

INSPECTION REPORT

Property Information

Name Camden Yard (Maryland Stadium Authority) Date 7/24/17-7/26/17
 Address 555 Russel St Work Order 366370
 City,State,Zip Baltimore MD 21230
 Contact Rick Basi Onsite POC Carlos
 Phone/Email Office - 410-347-9302, 410-576-0300, Cell - 410-387-5809 Phone # 240-688-6492

Annual FA	Annual SP	Quarterly	Quarterly	Quarterly
		X		

Other:

Elevator	Audio/Vis

Monitoring Information

Company Camden Station ONLY
 Phone 1-888-746-7539
 Account #119-1730 Password _____

Fire Alarm Control Panel Information

System Simplex / Siemens
 Make/Model _____
 Software Rev. _____

Device Information

Alarm Initiating Devices	Quantity
Manual Fire Alarm Boxes	
Ion Smoke Detectors	
Photo Smoke Detectors	
Duct Detectors	
Heat Detectors	
Waterflow Switches	89
System Counts	Quantity
Wet System(s)	
Dry System(s)	
Praction(s)	
Fire Pump(s)	
Hydrants(s)	
Backflow(s)	
Other (Specify)	

Supervisory Initiating Devices	Quantity
Fire Pump Fault	3
Fire Pump Run	3
Generator Run	
Tamper Switches	138
Supervisory Switches	7
Alarm Notification Appliances	Quantity
Bells	
Bells/Strobes	
Chimes	
Speakers	
Speakers/Strobes	
Horn	
Horn/Strobes	
Strobes	

PRIOR TO TESTING

Condition of Panel Upon Arrival:
 (clear or trouble - if trouble, explain)

CLEAR of all sprinkler related devices on all 3 fire alarm panels

Notifications Made	Yes	No	Contact	Time
Monitoring Company			Camden Station ONLY	
Building Occupants				
Building Management	X		Rick Basi	
Other:				

IN ALL SECTIONS BELOW: Y=YES, N=NO, N/A=NOT APPLICABLE

(EXPLAIN ALL "NO" ANSWERS ON THE DEFICIENCY OVERVIEW PAGE)

A. CONTROL EQUIPMENT	Y/N/N/A		Y/N/N/A
Was the Fire Alarm Control Panel in an accessible location?	Y	Was the Control Panel supervision test acceptable?	N/A
Was the test of lamps and LEDs in the Control Panel satisfactory?	N/A	Did the remote annunciator test satisfactorily?	N/A
Were audible, visible & alarm signals in the Control Panel tested satisfactorily?	N/A	Was the test of interface equipment satisfactory?	N/A
Was the off-premises transmission tested satisfactorily? (Monitoring Co/Base Dispatch)	N/A	Were the duct detector control output tests acceptable?	N/A

B. INITIATING DEVICES	Y/N/N/A		Y/N/N/A
Were the manual fire alarm box tests acceptable?	N/A	Were the smoke detector control output tests acceptable?	N/A
Were the smoke detector inspection/tests acceptable?	N/A	Were the alarm verification tests satisfactory?	N/A
Were the duct smoke detector tests acceptable?	N/A	Were the waterflow alarm devices connected to the fire alarm system?	N/A
Were non-restorable heat detectors inspected and in satisfactory condition?	N/A	Were the supervisory control valves connected to the fire alarm system?	N/A
Were restorable heat detector tests acceptable?	N/A		

C. AUDIBLE / VISIBLE DEVICES	Y/N/N/A		Y/N/N/A
Were audible alarms tested and operating properly?	N/A	Are visible strobes synchronized?	N/A
Were visible alarms tested and operating properly?	N/A	Is Audible/Visible notification coverage adequate?	N/A

D. ELECTRICAL	Y/N/N/A		Y/N/N/A
Was the fire alarm system power connected to a dedicated branch circuit of the house panel?	N/A	Was the battery charging circuit in the Control Panel operating correctly & at the proper voltage?	N/A
Was the fire alarm system power disconnect location clearly identified in writing at or on the control panel?	N/A	Was the test of the secondary power source (e.g. batteries) satisfactory?	N/A
Was the test of the primary power source satisfactory?	N/A		

E. VOICE EVACUATION SYSTEM	Y/N/N/A		Y/N/N/A
Was the Fire Command Center operating properly?	N/A	Were phone sets tested satisfactorily?	N/A
Was the call-in signal silence function correct?	N/A	Were handset system voice quality & clarity acceptable?	N/A
Was the off-hook indicator verified?	N/A	Were the speakers tested and operating properly?	N/A
Were phone jacks tested satisfactorily?	N/A		

IN ALL SECTIONS BELOW: Y=YES, N=NO, N/A=NOT APPLICABLE

(EXPLAIN ALL "NO" ANSWERS ON THE DEFICIENCY OVERVIEW PAGE)

A. SPRINKLER SYSTEM PIPING	Y/N/NA		Y/N/NA
Is sprinkler coverage provided throughout the building?	Y	Have there been any changes or repairs to the sprinkler system since the last inspection?	Y
Is all visible sprinkler piping free of corrosion and external loading?	DNT	Are the areas that are protected by wet systems heated, and maintained above 40°F?	Y
Are all piping hangers, braces and supports in place and free from damage?	DNT	Has all sprinkler piping been internally inspected in the past 5 years? If so, when?	N

B. SRINKLER HEADS	Y/N/NA		Y/N/NA
Are all sprinkler heads free of damage, corrosion, paint, and external loading?	DNT	Have all dry sprinklers been in service for less than 10 years? (Less than 5 years for sprinklers outside.)	DNT
Is proper clearance provided above, below and beside all sprinkler heads?	DNT	Are the appropriate number of spare sprinkler heads maintained on site?	DNT
Have all standard response sprinkler heads been installed for less than 50 years?	DNT	Does the spare sprinkler head box contain the correct head wrench for each type of sprinkler on site?	DNT
Have all quick response sprinkler heads been installed for less than 20 years?	DNT	Does the spare sprinkler head box contain 2 spare sprinklers for each type of sprinkler on site?	DNT

C. FIRE DEPARTMENT CONNECTIONS	Y/N/NA		Y/N/NA
Are the Fire Department Connections visible and easily accessible?	Y	Do the connection swivels rotate freely?	Y
Are the caps and gaskets in place and undamaged?	Y	Is the dall-drip drain in place and operational?	Y
Is the internal piping free of debri and corrosion?	Y	Is proper signage in place and visible?	N

D. ANTIFREEZE SPRINKLER SYSTEMS	Y/N/NA		Y/N/NA
Is the type of antifreeze that is being used known? If so, what type?	N/A	Is the antifreeze slouion's freeze point acceptable for the area it's located in.	N/A
Was the antifreeze solution specific gravity measured during this inspection?	N/A	Are antifreeze system placards in place and properly filled out?	N/A

Camden Yard
333 W. Camden St.



Main Drain Test Results - Ball Park

Test Pipe Location	Size of Test Pipe	Location of Valve	Static	Resid.	Static	NOTES
Service Lvl	2"	Pump Room Standpipe "A" "B""C"	80	75	80	
Service Lvl	2"	Pump Room Standpipe "D" to "G"	80	75	80	
Main Concourse	2"	Main Concourse- Column E27B	70	65	70	Right Dry System
Main Concourse	2"	Main Concourse- Column E27A	70	65	70	Left Dry System
Press Level	1 1/2"	2nd Floor- Lower Press Stadium	60	55	60	Dry System
Club Level	2"	4th Floor - Private Box MER-7	140	45	140	Dry System
Upper Concourse	2"	5th Floor - Section C3-26A	150	40	130	Dry System
Upper Concourse	2"	5th Floor - Section E27A	150	40	130	Dry System
Service Lvl	1 1/2"	Service Level - Kiosk	DNT	DNT	DNT	Dry System - Unable to flow without hose

Main Drain Test Results - Camden Station

Location	Size of Test Pipe	System	Static	Resid.	Static	NOTES
Attic	1 1/4"	Clock Tower Dry System	50	45	50	
Attic	2"	2" FI Museum Preaction System	50	42	50	
Basement	2"	Main Riser Wet System	70	65	70	
Basement	1 1/4"	Archive Preaction System	75	65	75	

Inspector(s): CD, DW

Date: 7/24 - 7/26/17

FIRE DEPARTMENT CONNECTION (FDC)

Type	Size	FDC. Location	Visual Insp	Functional Insp	Outlet Size	NOTES
Wall Mount	6"	Ball Park - On Russell Street	FAIL	PASS	2 1/2"	3 outlet manifold, chrome finish
Wall Mount	6"	North Warehouse - Front of Bldg	PASS	PASS	2 1/2"	4 outlet manifold with chrome finish
Siamese Pedestal	4"	Camden Station - On Eutaw St	FAIL	PASS	2 1/2"	Brass Finish. Missing singage

Inspector(s): CD, DW

7/24/17 - 7/26/17

**Sprinkler Devices
Ball Park**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
BALL PARK SPRINKLER DEVICES						
Tamper Switch	M3-3086	Service Lvl- FP Bypass #1	Pass	Pass	Pass	
Tamper Switch	M3-2985	Service Lvl- FP Bypass #2	Pass	Pass	Pass	
Tamper Switch		Service Lvl- FP Test Header	Pass	Pass	Pass	
Tamper Switch	M3-3064	Service Lvl- FP Suction	Pass	Pass	Pass	
Tamper Switch	M3-3085	Service Lvl- FP Discharge	Pass	Pass	Pass	
Supervisory	M3-2794	Service Lvl- FP Run	Pass	Pass	Pass	
Supervisory	M3-2792	Service Lvl- FP Fault	Pass	Pass	Pass	
Tamper Switch	M3-3062	Standpipe "A" "B" "C"	Pass	Pass	Pass	Preaction Standpipe
Pressure Switch	M3-2842	Standpipe "A" "B" "C"	Pass	Pass	Pass	Preaction Standpipe
Tamper Switch	M3-3063	Standpipe "D" to "G"				Preaction Standpipe
Pressure Switch	M3-2843	Standpipe "D" to "G"				Preaction Standpipe
Tamper Switch	M3-3051	Service Lvl- MER #5 Standpipe	Pass	Pass	Pass	Service Level Corridor - Outside AHU Room
Tamper Switch	M3-2956	Service Lvl- Column E31B	Pass	Pass	Pass	Outside Mechanical Room
Flow Switch		Service Lvl- Column E31B	Pass	Pass	Pass	
Tamper Switch	M3-2955	Service Lvl- Column E33	Pass	Pass	Pass	Outside exit stair
Flow Switch	M3-2771	Service Lvl- Column E33	Pass	Pass	Pass	
Tamper Switch	M3-2925	Service Lvl- Elevator 5	Pass	Pass	Pass	
Tamper Switch	M3-2924	Service Lvl- Hose Valve Riser	Pass	Pass	Pass	By Freight Elevator
Tamper Switch	M3-2712	Service Lvl MLB IR	Pass	Pass	Pass	
Tamper Switch	M3-2923	Service Lvl- Zn 3 Standpipe	Pass	Pass	Pass	At Loading dock
Tamper Switch	M3-2922	Service Lvl- Zn 3 G Sprinkler	Pass	Pass	Pass	
Flow Switch	M3-2768	Service Lvl- Zn 3 Loading Dock	Pass	Pass	Pass	
Tamper Switch	M3-2954	Service Lvl- Zn 3 Kiosk	Pass	Pass	Pass	Dry Piping
Flow Switch	M3-2845	Service Lvl- Zn 3 Kiosk	Pass	Pass	Pass	Dry Piping
Tamper Switch	M3-2981	Main Concourse- Column E27B	Pass	Pass	Pass	Dry Piping, Right concourse
Flow Switch	M3-2980	Main Concourse- Column E27B	Pass	Pass	Pass	Dry Piping
Tamper Switch	M3-2983	Main Concourse- Column E27A	Pass	Pass	Pass	Left Concourse Dry Piping
Flow Switch	M3-2982	Main Concourse- Column E27A	Pass	Pass	Pass	Left Concourse Dry Piping, Accelerator out of service
Tamper Switch	M3-3009	2nd Floor- Lower Press Stadium	Pass	Pass	Pass	Dry Piping
Flow Switch	M3-3008	2nd Floor- Lower Press Stadium	Pass	Pass	Pass	Dry Piping
Tamper Switch	M3-3027	3rd Floor- Upper Press Column E27	Pass	Pass	Pass	
Flow Switch	M3-3026	3rd Floor- Upper Press Column E27	Pass	Pass	Pass	
Tamper Switch	M3-3059	4th Floor- Private Box Column E27A	Pass	Pass	Pass	Above ceiling in booth by elevators
Flow Switch	M3-2814	4th Floor- Private Box Column E27C	Pass	Pass	Pass	Above ceiling in booth by elevators
Tamper Switch	M3-3058	4th Floor- Private Box Column E27B	Pass	Pass	Pass	Above ceiling in booth by elevators
Flow Switch	M3-2812	4th Floor- Private Box Column E27D	Pass	Pass	Pass	Above ceiling in booth by elevators
Tamper Switch	M3-2735	Zn 2 Upper Press CNTL RM Feed	Pass	Pass	Pass	
Tamper Switch	M3-2858	Zn 2 Upper Seating	Pass	Pass	Pass	Elevator
Tamper Switch	M3-2856	Zn 2 Upper Concourse- C3-26A	Pass	Fail	Fail	Dry Piping @ section 338/342 - Failed to report
Flow Switch	M3-2769	Zn 2 Upper Concourse- C3-26A	Pass	Pass	Pass	Dry Piping
Tamper Switch	M3-2855	Zn 2 Upper Concourse- E27A	Pass	Fail	Fail	Dry Piping @ section 338/342 - Failed to report
Flow Switch	M3-2767	Zn 2 Upper Concourse- E27A	Pass	Pass	Pass	Dry Piping 40/35 Main Drain
Tamper Switch	M3-2854	Zn 2 Upper Concourse- Column 27	Pass	Pass	Pass	Elevator
Tamper Switch	M3-2969	Zn 2 Upper Concourse- Column E4A	Pass	Pass	Pass	
Tamper Switch	M3-2952	4th Floor Zn 1- Private Box MER-7	Pass	Pass	Pass	Dry Piping
Flow Switch	M3-2762	4th Floor Zn 1- Private Box MER-7	Pass	Pass	Pass	Dry Piping
Tamper Switch	M3-2971	Zn 1 Upper Seating Penthouse	Pass	Pass	Pass	elevator #1
Tamper Switch	M3-2967	Zn 1 Upper Concourse Elev. Lobby	Pass	Pass	Pass	elevator #1
Tamper Switch	M3-2972	Zn 3 Upper Seating	Pass	Pass	Pass	freight elevator
Tamper Switch	M3-2968	Zn 3 Upper Concourse Elev. Lobby	Pass	Pass	Pass	freight elevator
Tamper Switch	M3-2886	Zn 4 Outfield Dry System	Pass	Pass	Pass	

**Sprinkler Devices
Ball Park**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
Flow Switch	M3-2828	Zn 4 Outfield Dry System	Pass	Pass	Pass	
Tamper Switch	M3-3052	Zn 2 Service LVL Ball Mascot	Pass	Pass	Pass	Service Level Corridor
Tamper Switch	M3-3068	Standpipe A to D	Pass	Pass	Pass	Service Level Corridor
Tamper Switch	M3-3060	Zn 2 service LVL Stair	Pass	Pass	Pass	Service Level Corridor - Inside janitors closet
Tamper Switch	M3-2957	Zn 3 Service LVL "F"	Pass	Pass	Pass	Service Level Corridor
Tamper Switch	M3-2738	Zn 2 Upper press CNTL Rm P/A	Pass	Pass	Pass	Preaction System
Flow Switch	M3-2737	Zn 2 Upper press CNTL Rm P/A	Pass	Pass	Pass	Preaction System
Pressure Switch	M3-2739	Zn 2 Upper press CNTL Rm P/A	Pass	Pass	Pass	Preaction System
Tamper Switch	M3-3061	Elevator 2,3,4 "D" Shaft	Pass	Pass	Pass	Service Level Inside Elevator Lobby, Above Ceiling
Tamper Switch	M3-2880	Main Concourse Column D16	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2894	Main Concourse Column D14	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2896	Main Concourse Column D12	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2895	Main Concourse Column D10	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2898	Main Concourse Column D2B	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2897	Main Concourse Column D18	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2974	Main Concourse Column D20	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Tamper Switch	M3-2897	Main Concourse Column D4	Pass	Pass	Pass	40' Elevation. Need Boom Lift - Fall Protect. Required
Flow Switch		Ball Park Pump Rm- On PRV piping	Fail	Fail	Fail	Remove from main PRV loop piping. Vain 10"
		Ball Park Pump Rm Check Valves	Pass	Pass	N/A	Discharge and Bypass- 10" Wafer Checks.
		Ball Park Pump Rm Backflow	Pass	Pass	N/A	10" Hersey Detector Check
		Ball Park Loading Dock Sys Check	Pass	Pass	N/A	Central Model 90 Grooved 4"

DEFICIENCIES AND RECOMENDATIONS SUMMARY		
Date:	7/24/17 - 7/26/17	Quarterly Sprinkler Inspection
		Inspector: Chuck Dwyer
Deficiencies: Work Order #344906		
**Main Concourse - Column E27A dry system accelerator is out of service.		
**Upper Concourse - C3-26A dry system tamper failed to report to the fire alarm panel.		
**Upper Concourse - E27A dry system tamper failed to report to the fire alarm panel.		
**Upper Concourse dry systems air compressor is running frequently and needs to have the air lines checked for leaks.		
**Service Level Fire pump room - the water flow switch installed on the main pressure relief discharge piping serves no use at that location and should be relocated to the main system piping.		
**Service Level Fire pump room - There are 4 water gauges that are due for replacement or calibration inside the fire pump room. Two of the gauges are the fire pump liquid filled gauges.		
**Service Level - The Kiosk dry system gauges are due for replacement. Need to replace 1 water and 1 air gauge.		
**Main concourse - the hose valve located on the side of the ticket kiosk building failed the annual inspection and has not been replaced yet. Need to replace the 2 1/2" hose valve that is not operational.		
**Main concourse - the hose valve at the freight elevator lobby is missing the hose valve handle. Need to replace the valve handle or the entire hose valve.		
**Service level - the hose valve located in the corridor by the Compressed Gas Rm is missing the hose valve handle. Need to replace the valve handle or the entire hose valve.		
**Main concourse - both dry pipe valves for the main concourse need to have the gauges replaced. The 2 water and 3 air gauges are due for replacement.		
**FDC found with 3 missing swivels and caps.		
Recommendations:		

**Sprinkler Devices
South Warehouse**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
SOUTH WAREHOUSE SPRINKLER DEVICES						
Tamper Switch	M2-94	Warehouse S 8th E Stair 1	Pass	Pass	Pass	Top of riser gauge 2016
Flow Switch	M2-93	Warehouse S 8th East Stair 1	Pass	Pass	Pass	
Tamper Switch	M2-63	Warehouse S 7th East Stair 1	Pass	Pass	Pass	
Flow Switch	M2-62	Warehouse S 7th East Stair 1	Pass	Pass	Pass	
Tamper Switch	M2-33	Warehouse S 6th East Stair 1	Pass	Pass	Pass	
Flow Switch	M2-32	Warehouse S 6th East Stair 1	Pass	Pass	Pass	
Tamper Switch	M2-4	Warehouse S 5th East Stair 1	Pass	Pass	Pass	
Flow Switch	M2-3	Warehouse S 5th East Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-193	Warehouse S 4th East Stair 1	Pass	Pass	Pass	
Flow Switch	M1-192	Warehouse S 4th East Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-163	Warehouse S 3rd East Stair 1	Pass	Pass	Pass	
Flow Switch	M1-162	Warehouse S 3rd East Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-136	Warehouse S 2nd East Stair 1	Pass	Pass	Pass	
Flow Switch	M1-135	Warehouse S 2nd East Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-102	Warehouse S 1st East Stair 1	Pass	Pass	Pass	
Flow Switch	M1-101	Warehouse S 1st East Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-4	Warehouse S Basement Stair 1	Pass	Pass	Pass	
Flow Switch	M1-3	Warehouse S Basement Stair 1	Pass	Pass	Pass	
Tamper Switch	M1-6	Warehouse S Basement Stair 1	Pass	Pass	Pass	Standpipe
Flow Switch	M1-5	Warehouse S Basement Stair 1	Pass	Pass	Pass	Standpipe
Tamper Switch	M2-149	Warehouse S Penthouse Stair 2	Pass	Pass	Pass	
Flow Switch	M2-148	Warehouse S Penthouse Stair 2	Pass	Pass	Pass	
Tamper Switch	M2-121	Warehouse S 8th F Stair 3	Pass	Pass	Pass	Top of riser gauge 2014
Flow Switch	M2-120	Warehouse S 8th F Stair 3	Pass	Pass	Pass	
Tamper Switch	M2-76	Warehouse S 7th F Stair 3	Pass	Pass	Pass	
Flow Switch	M2-75	Warehouse S 7th F Stair 3	Pass	Pass	Pass	Recalled Upright Sprinkler in Stairwell
Tamper Switch	M2-48	Warehouse S 6th F Stair 3	Pass	Pass	Pass	
Flow Switch	M2-47	Warehouse S 6th F Stair 3	Pass	Pass	Pass	
Tamper Switch	M2-17	Warehouse S 5th F Stair 3	Pass	Pass	Pass	
Flow Switch	M2-16	Warehouse S 5th F Stair 3	Pass	Pass	Pass	Recalled Upright Sprinkler in Stairwell
Tamper Switch	M1-205	Warehouse S 4th F Stair 3	Pass	Pass	Pass	
Flow Switch	M1-204	Warehouse S 4th F Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-180	Warehouse S 3rd F Stair 3	Pass	Pass	Pass	
Flow Switch	M1-179	Warehouse S 3rd F Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-153	Warehouse S 2nd F Stair 3	Pass	Pass	Pass	
Flow Switch	M1-152	Warehouse S 2nd F Stair 3	Pass	Pass	Pass	Hose Valve Handle Missing Securing Nut
Tamper Switch	M1-120	Warehouse S 1st F Stair 3	Fail	Fail	Fail	Not Reporting.. 3' Grublock butterfly valve, grooved
Flow Switch	M1-119	Warehouse S 1st F Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-79	Warehouse S Bsmt Stair 3	Pass	Pass	Pass	
Flow Switch	M1-80	Warehouse S Bsmt Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-81	Warehouse S Bsmt Stair 3	Pass	Pass	Pass	Riser
Flow Switch	M1-82	Warehouse S Bsmt Stair 3	Pass	Pass	Pass	Riser
Tamper Switch	M1-49	Warehouse S Bsmt Corridor	Pass	Pass	Pass	Hose Valve Riser. Reports as Stair F. Reprogram
Tamper Switch	M1-53	Warehouse S Bsmt Stair 2	Pass	Pass	Pass	Riser
Flow Switch	M1-54	Warehouse S Bsmt Stair 2	Pass	Pass	Pass	

**Sprinkler Devices
North Warehouse**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
NORTH WAREHOUSE SPRINKLER DEVICES						
Tamper Switch	M4-53	Warehouse N 8th Floor Stair A	Pass	Pass	Pass	
Flow Switch	M4-52	Warehouse N 8th Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M4-4	Warehouse N 7th Floor Stair A	Pass	Pass	Pass	Top of riser- Gauge 2016 No valve
Flow Switch	M4-3	Warehouse N 7th Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M3-63	Warehouse N 6th Floor Stair A	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M3-62	Warehouse N 6th Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M3-4	Warehouse N 5th Floor Stair A	Pass	Pass	Pass	
Flow Switch	M3-3	Warehouse N 5th Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M6-103	Warehouse N 4th Floor Stair A	Pass	Pass	Pass	OSY valve leaks.
Flow Switch	M6-102	Warehouse N 4th Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M6-54	Warehouse N 3rd Floor Stair A	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M6-53	Warehouse N 3rd Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M6-4	Warehouse N 2nd Floor Stair A	Pass	Pass	Pass	
Flow Switch	M6-3	Warehouse N 2nd Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M5-171	Warehouse N 1st Floor Stair A	Pass	Pass	Pass	
Flow Switch	M5-170	Warehouse N 1st Floor Stair A	Pass	Pass	Pass	
Tamper Switch	M5-2	Warehouse N Basement Stair A	Pass	Pass	Pass	Standpipe
Flow Switch	M5-1	Warehouse N Basement Stair A	Pass	Pass	Pass	Standpipe
Tamper Switch	M5-4	Warehouse N Basement Stair A	Pass	Pass	Pass	1 1/4 drain line leaking shoulder nipple
Flow Switch	M5-3	Warehouse N Basement Stair A	Pass	Pass	Pass	
Tamper Switch	M4-82	Warehouse N 8th Floor Stair C	Pass	Pass	Pass	Riser gauge expired. No valve.
Flow Switch	M4-81	Warehouse N 8th Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M4-18	Warehouse N 7th Floor Stair C	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M4-17	Warehouse N 7th Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M3-83	Warehouse N 6th Floor Stair C	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M3-82	Warehouse N 6th Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M3-25	Warehouse N 5th Floor Stair C	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M3-24	Warehouse N 5th Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M6-116	Warehouse N 4th Floor Stair C	Pass	Pass	Pass	
Flow Switch	M6-115	Warehouse N 4th Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M6-68	Warehouse N 3rd Floor Stair C	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M6-67	Warehouse N 3rd Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M6-19	Warehouse N 2nd Floor Stair C	Pass	Pass	Pass	
Flow Switch	M6-18	Warehouse N 2nd Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M5-155	Warehouse N 1st Floor Stair C	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M5-154	Warehouse N 1st Floor Stair C	Pass	Pass	Pass	
Tamper Switch	M5-60	Warehouse N Basement Stair C	Pass	Pass	Pass	Standpipe
Flow Switch	M5-59	Warehouse N Basement Stair C	Pass	Pass	Pass	Standpipe
Tamper Switch	M5-58	Warehouse N Basement Stair C	Pass	Pass	Pass	
Flow Switch	M5-57	Warehouse N Basement Stair C	Pass	Pass	Pass	
Tamper Switch	M6-27	Warehouse N 8th Floor Elev Shaft	Pass	Pass	Pass	
Tamper Switch	M4-135	Warehouse N 8th Floor Stair D	Pass	Pass	Pass	
Flow Switch	M4-134	Warehouse N 8th Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M4-37	Warehouse N 7th Floor Stair D	Pass	Pass	Pass	Hose valve no pin. 3" OSY leaking excessively
Flow Switch	M4-36	Warehouse N 7th Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M3-94	Warehouse N 6th Floor Stair D	Pass	Pass	Pass	
Flow Switch	M3-93	Warehouse N 6th Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M3-44	Warehouse N 5th Floor Stair D	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M3-43	Warehouse N 5th Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M6-153	Warehouse N 4th Floor Stair D	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin

**Sprinkler Devices
North Warehouse**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
Flow Switch	M6-152	Warehouse N 4th Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M6-87	Warehouse N 3rd Floor Stair D	Pass	Pass	Pass	PSI Reducing Hose Valve- Missing Set Pin
Flow Switch	M6-86	Warehouse N 3rd Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M6-41	Warehouse N 2nd Floor Stair D	Pass	Pass	Pass	
Flow Switch	M6-40	Warehouse N 2nd Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M5-121	Warehouse N 1st Floor Stair D	Pass	Pass	Pass	
Flow Switch	M5-120	Warehouse N 1st Floor Stair D	Pass	Pass	Pass	
Tamper Switch	M5-101	Warehouse N Basement Stair D	Pass	Pass	Pass	Standpipe
Flow Switch	M5-102	Warehouse N Basement Stair D	Pass	Pass	Pass	Standpipe
Tamper Switch	M5-103	Warehouse N Basement Stair D	Pass	Pass	Pass	
Flow Switch	M5-104	Warehouse N Basement Stair D	Pass	Pass	Pass	
Tamper Switch	M4-92	Warehouse N 8th Floor Elev Shaft	Pass	Pass	Pass	
Tamper Switch	M4-64	Warehouse N 8th Floor Stair B	Pass	Pass	Pass	
Flow Switch	M4-63	Warehouse N 8th Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M4-13	Warehouse N 7th Floor Stair B	Pass	Pass	Pass	
Flow Switch	M4-12	Warehouse N 7th Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M3-72	Warehouse N 6th Floor Stair B	Pass	Pass	Pass	
Flow Switch	M3-71	Warehouse N 6th Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M3-15	Warehouse N 5th Floor Stair B	Pass	Pass	Pass	
Flow Switch	M3-14	Warehouse N 5th Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M6-112	Warehouse N 4th Floor Stair B	Pass	Pass	Pass	3" OSY valve stem leaks excessively
Flow Switch	M6-111	Warehouse N 4th Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M6-63	Warehouse N 3rd Floor Stair B	Pass	Pass	Pass	
Flow Switch	M6-62	Warehouse N 3rd Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M6-12	Warehouse N 2nd Floor Stair B	Pass	Pass	Pass	3" OSY valve stem leaks
Flow Switch	M6-11	Warehouse N 2nd Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M5-159	Warehouse N 1st Floor Stair B	Pass	Pass	Pass	OSY Tamper not set properly. File deep tamper grv
Flow Switch	M5-158	Warehouse N 1st Floor Stair B	Pass	Pass	Pass	
Tamper Switch	M5-13	Warehouse N Basement Stair B	Pass	Pass	Pass	Standpipe
Flow Switch	M5-14	Warehouse N Basement Stair B	Pass	Pass	Pass	Standpipe
Tamper Switch	M5-15	Warehouse N Basement Stair B	Pass	Pass	Pass	
Flow Switch	M5-16	Warehouse N Basement Stair B	Pass	Pass	Pass	
		Warehouse N Basement Elev. Pit	Pass	Pass	N/A	Control Valve - Chain and Locked Open
		Warehouse N Basement Elev. Pit	Pass	Pass	N/A	Control Valve - Chain and Locked Open
		Warehouse N Basement Elev. Pit	Pass	Pass	N/A	Control Valve - Chain and Locked Open
Tamper Switch	M5-33	Warehouse N Basement Dry Sys	Pass	Pass	Pass	
Flow Switch	M5-32	Warehouse N Basement Dry Sys	Pass	Pass	Pass	
Pressure Switch	M5-34	Warehouse N Basement Dry Sys	Pass	Pass	Pass	
Tamper Switch	M5-42	Warehouse N Basement Pump Rm	Pass	Pass	Pass	FP Suction
Tamper Switch	M5-41	Warehouse N Basement Pump Rm	Pass	Pass	Pass	FP Discharge
Tamper Switch	M5-46	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Backflow #1
Tamper Switch	M4-45	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Backflow #2
Tamper Switch	M5-43	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Bypass #1
Tamper Switch	M5-44	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Bypass #2
Monitor	M5-37	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Fire Pump Run
Monitor	M5-38	Warehouse N Basement Pump Rm	Pass	Pass	Pass	Fire Pump Fault
		Warehouse N Basement Pump Rm	Pass	Pass	N/A	Jockey Pump Discharge Control Valve
		Warehouse N Basement Pump Rm	Pass	Pass	N/A	Jockey Pump Suction Control Valve
		Warehouse N Basement Pump Rm	Pass	N/A	N/A	Spare Head Box - 19 Spares with wrenches

DEFICIENCIES AND RECOMENDATIONS SUMMARY		
Date:	7/24/17 - 7/26/17	Quarterly Sprinkler Inspection
		Inspector: Chuck Dwyer
Deficiencies: Work Order #344906		
**The pressure reducing hose valves inside the stairwells are missing the pressure regulating set pins in the following location:		
6th Floor Stair A		
3rd Floor Stair A		
7th Floor Stair C		
6th Floor Stair C		
5th Floor Stair C		
3rd Floor Stair C		
1st Floor Stair C		
7th Floor Stair D		
5th Floor Stair D		
4th Floor Stair D		
3rd Floor Stair D		
The set pins need to be replaced or the entire hose valve needs to be replaced. National Fireman is the hose valve manufacturer		
**4th Floor Stair A - Floor isolation control valve leaks excessively when operated. Need to replace the 3" OSY flanged valve. 4 bolt flange pattern		
**Basement Stair A - the 1 1/4" drain line piping leaks at the shoulder nipple piece of pipe on the riser drain side of the floor drain. Need to replace the leaking section of pipe.		
**8th Floor Stair C - top of sprinkler system riser gauge is due for replacement. Need to replace 1 water gauge and install an isolation valve.		
**7th Floor Stair D - Floor isolation control valve leaks excessively when operated. Need to replace the 3" OSY flanged valve. 4 bolt flange pattern		
**4th Floor Stair B - Floor isolation control valve leaks excessively when operated. Need to replace the 3" OSY flanged valve. 4 bolt flange pattern		
**2nd Floor Stair B - Floor isolation control valve leaks excessively when operated. Need to replace the 3" OSY flanged valve. 4 bolt flange pattern		
**1st Floor Stair B - Floor isolation control valve tamper switch groove is not filed deep enough to allow for the tamper switch to operate properly. Need to file the OSY stem and retest the tamper switch.		
**8th Floor elevator shaft E and F tamper switch is located above the ceiling and needs to have a sign added to identify it's location.		
**8th Floor elevator shaft B and D tamper switches are located above the ceiling and needs to have signs added to identify there locations.		

**Sprinkler Devices
Camden Station**



Device Type	Device Address	Fire Panel Description	Visual Insp	Functional Insp	Ann	NOTES
CAMDEN STATION SPRINKLER DEVICES						
Flow Switch	M1-5	Lower Lvl - Main Incoming	Pass	Pass	Pass	Inside of wall in office across from FACP
Tamper Switch	M1-6	Lower Lvl - Main Incoming	Pass	Pass	Pass	Inside of wall in office across from FACP, No control valve sign
Tamper Switch	M1-7	Lower Lvl Valve Room	Pass	Pass	Pass	Backflow #1 Missing control valve sign
Tamper Switch	M1-7	Lower Lvl Valve Room	Pass	Pass	Pass	Backflow #2 Missing control valve sign
Flow Switch	M1-29	Lower Lvl Valve Room	Pass	Pass	Pass	
Tamper Switch	M1-9	Lower Lvl Stair 2	Pass	Pass	Pass	
Flow Switch	M1-8	Lower Lvl Stair 2	Pass	Pass	Pass	Gauge out of date no three way
Tamper Switch	M1-11	Lower Lvl Preaction	Pass	Pass	Pass	Archive PreAction,
Pressure Switch	M1-11	Lower Lvl Preaction	Pass	Pass	Pass	Archive PreAction, High/Low, Water gauge out of date
Flow Switch	M1-12	Lower Lvl Preaction	Pass	Pass	Pass	Archive PreAction
Tamper Switch	M1-27	Lower Lvl Stair 2	Pass	Pass	Pass	
Flow Switch	M1-26	1st Floor Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-36	2nd Floor Stair 3	Pass	Pass	Pass	
Flow Switch	M1-35	2nd Floor Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-47	3rd Floor Stair 3	Pass	Pass	Pass	
Flow Switch	M1-46	3rd Floor Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-68	Mezzanine Lvl Stair 3	Pass	Pass	Pass	
Flow Switch	M1-67	Mezzanine Lvl Stair 3	Pass	Pass	Pass	
Tamper Switch	M1-158	2nd Floor Archive Preaction System	Pass	Pass	Pass	Rm 00-03-03 - Victaulic FireLock FirePac w/ Panel
Pressure Switch	M1-158	2nd Floor Archive Preaction System	Pass	Pass	Pass	High/Low
Flow Switch	M1-157	2nd Floor Archive Preaction System	Pass	Pass	Pass	
Tamper Switch	M1-62	Mezzanine Clock Tower System	Pass	Pass	Pass	Rm 04-05-02 - Victaulic FireLock FirePac Dry System
Pressure Switch	M1-62	Mezzanine Clock Tower System	Pass	Pass	Pass	High/Low
Flow Switch	M1-63	Mezzanine Clock Tower System	Pass	Pass	Pass	
Supervisory	M1-73	Mezzanine Fire Pump Run	Pass	Pass	Pass	
Supervisory	M1-74	Mezzanine Fire Pump Fault	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Fire Pump Suction	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Fire Pump Discharge	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Fire Pump Bypass #1	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Fire Pump Bypass #2	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Jockey Pump Suction	Pass	Pass	Pass	
Tamper Switch	M1-64	Mezzanine Jockey Pump Discharge	Pass	Pass	Pass	
Tamper Switch	M1-34	Lower level elev machine room	Pass	Pass	Pass	
Tamper Switch	M1-28	Lower Lvl Elevator Mach Rm	Pass	Pass	Pass	Missing control valve sign

DEFICIENCIES AND RECOMENDATIONS SUMMARY		
Date:	7/24/17 - 7/26/17	Quarterly Sprinkler Inspection
		Inspector: Chuck Dwyer
Deficiencies: Work Order #344906		
**Mezzanine Clock Tower Victaulic FireLock FirePac (w/ Panel) dry system digital gauges need to be calibrated. There are 2 water and 1 air digital gauges that are due for calibration. The pilot line water digital gauge display is not operating properly and may need to be replaced.		
**2nd Floor Archive Preaction System that is located on the attic level, the digital gauges need to be calibrated. There are 2 water and 1 air digital gauges that are due for calibration.		
**Attic/Mezz level - the sprinkler system gauge is due for replacement. Need to replace 1 water gauge.		
**The fire department connection is missing signage to identify "Automatic Sprinkler System". Need to add wall signage to the brick wall behind the FDC or add a 4" collar sign to the FDC piping.		
**Basement Stair 3 - sprinkler system gauge is due for replacement. Need to replace 1 water gauge and an isolation valve.		
**Basement level sprinkler valve room - the 6" back flow preventer for the fire protection system is due for an annual inspection.		
**Basement level sprinkler valve room - the 2" main drain needs to be piped into the floor drain to prevent flooding of the room and activation of the rooms floor leak detector system.		
**Basement level sprinkler valve room - the sprinkler system gauges need to be replaced. Need to replace 2 water gauges.		
**Basement level sprinkler valve room - the backflow #1 control valve has a loose flange bolt that needs to be tightened.		
**Basement level sprinkler valve room - the 6" main incoming strainer is due to be flushed. The 2" drain is currently plugged and does not have a valve installed. Need to install a 2" valve and flush the strainer.		
**Basement level Archive preaction system gauges are due for replacement and calibration. Need to replace 1 water and 1 air gauge and calibrate the 2 water and 1 air digital display gauges.		
**Sprinkler system check valves and alarm valve need to be internally inspected. There are 3 3", and 2 4" check valves inside the stairwell and 1 6" alarm valve inside the sprinkler valve room.		
**The test header valve on the front of the building is missing a 1 1/2" cap. Replace 1 1/2" Cap.		
Recommendations:		



Work Order #366370

Property	Customer Info
Service Location: MARYLAND STADIUM AUTHORITY	Customer: MARYLAND STADIUM AUTHORITY
Address: 333 W. CAMDEN ST. SUITE 500	Main Phone: (410)223-4130
City, State, Zip: BALTIMORE MD 21201	Billing Phone:
Contact: BART SHIFLER	Address: 333 W. Camden St. Ste., 500
Contact Phone: (410)223-4130	City, State, Zip: Baltimore MD 21201

Description of Service
Quarterly and FIRE PUMP Inspections at Camden Yards, Camden Yard

Work Order Details	
Call Type: Test & Inspect	WO # / FCO #: 366370
Problem Type: DCM Sprinkler/Suppression Inspection	Alt WO#:
Job Status: Open	Customer PO #: D28B4400013
Date Scheduled: 7/26/2017	Job Number:
Technician: Dwyer,Charles	Date Created: 4/4/2017

Work Order Items		
Date	Description	Technician
Labor		
7/24/2017	Technician hours	Williams;Demonta
7/21/2017	Technician hours	BOYD; ROBERT OWEN
7/21/2017	Technician hours	HEVERLING; MICHAEL
7/21/2017	Technician hours	Malcolm; David
7/25/2017	Technician hours	Dwyer;Charles
7/24/2017	Technician hours	Dwyer;Charles
7/25/2017	Technician hours	Malcolm; David
7/25/2017	Technician hours	Williams;Demonta
Agreements		
7/21/2017	DCM Spk Test & Inspect	BOYD; ROBERT OWEN

Work Order Comments
<p>Date: 7/21/2017, Entered By: Malcolm; David, Subject: Ballpark pump test Completed Ballpark fire pump test.</p> <p>Date: 7/25/2017, Entered By: Dwyer;Charles, Subject: RedHawks will be on site at 3 a.m. to begin testing of Warehouse Security will provide access to premises</p> <p>Date: 7/25/2017, Entered By: Dwyer;Charles, Subject: Upon arrival and departure panel was in trouble with ground fault for warehouse</p> <p>Date: 7/25/2017, Entered By: Dwyer;Charles, Subject: Upon arrival and departure panel was clear for stadium</p> <p>Date: 7/26/2017, Entered By: Dwyer;Charles, Subject: Upon arrival and departure panel for ballpark in trouble with disabled for flow switch upper Concourse</p> <p>Date: 7/26/2017, Entered By: Dwyer;Charles, Subject: Upon arrival and departure panel for warehouse was in trouble with open circuit and ground fault</p>

Work Order Equipment

Equipment Type: Sprinkler Description: Model Number: Manufacturer:	Serial Number: Model Number: Location: Install Date:
---	---

Customer Signature

Signature		Signed By		Date	7/26/2017
------------------	---	------------------	--	-------------	-----------



Work Order
#366370

Property	Customer Info
Service Location: MARYLAND STADIUM AUTHORITY	Customer: MARYLAND STADIUM AUTHORITY
Address: 333 W. CAMDEN ST. SUITE 500	Main Phone: (410)223-4130
City, State, Zip: BALTIMORE MD 21201	Billing Phone
Contact: BART SHIFLER	Address 333 W. Camden St. Ste., 500
Contact Phone: (410)223-4130	City, State, Zip Baltimore MD 21201

Description of Service
Quarterly and FIRE PUMP Inspections at Camden Yards, Camden Yard

Work Order Details	
Call Type: Test & Inspect	WO # / FCO #: 366370
Problem Type: DCM Sprinkler/Suppression Inspection	Alt WO#:
Job Status: Open	Customer PO #: D28B4400013
Date Scheduled: 7/21/2017	Job Number:
Technician: Dwyer,Charles	Date Created: 4/4/2017

Work Order Items		
Date	Description	Technician
Labor		
7/21/2017	Technician hours	BOYD; ROBERT OWEN
Agreements		
7/21/2017	DCM Spk Test & Inspect	BOYD; ROBERT OWEN

Work Order Comments

Work Order Equipment	
Equipment Type: Sprinkler	Serial Number:
Description:	Model Number:
Model Number:	Location:
Manufacturer:	Install Date:

Customer Signature			
Signature		Signed By Rick Blasi	Date 7/21/2017

FIRE PUMP PERIODIC TEST REPORT

Location: Camden Yard - Ballpark

Inspection Contract # _____

Date: 7/21/2017

This inspection is (check one): weekly monthly bimonthly quarterly annual

EQUIPMENT TO BE INSPECTED

Date of Annual Pump Test <u>7/21/2017</u>		Suction Pressure (PSI) <u>72</u>
Pump room temperature <u>75</u> (Min 40 F)		Discharge Pressure (PSI) <u>72</u>
DRIVER		
Manufacturer <u>US Electric Motors</u>	PUMP	ELECTRIC MOTOR <u>US Electric Motors</u>
Model <u>445T</u>	Manufacturer <u>ITT A-C Pump</u>	Model <u>445T</u>
Serial No. <u>H022T12T275R056M</u>	Model/Type <u>8100</u>	Serial No. <u>H022T12T275R056M</u>
Rated H.P. <u>200</u>	Serial No. <u>911-82634-01-01</u>	Rated Voltage <u>460</u>
Rated RPM <u>1775</u>	Rated GPM <u>2500</u>	Rated Amps <u>229</u>
	Rated Head/Pressure <u>100</u>	Rated RPM <u>1775</u>
	Rated RPM <u>1785</u>	Rated H.P. <u>200</u>
CONTROLLER		
Manufacturer <u>Joslyn Clark</u>	FIRE PUMP	JOCKEY PUMP
Model <u>C8C234-4</u>	Start PSI <u>135</u>	Start PSI <u>145</u>
Serial No. <u>C150123-01</u>	Stop PSI <u>155</u>	Stop PSI <u>165</u>

	Yes	N/A	No
A. Pump			
1 Are stuffing box glands at proper tightness and packings discharging proper amount of water?	X		
2 Does water pass freely through circulating relief valve when pump is running?	X		
3 Does relief valve properly reset?	X		
4 Suction, discharge and bypass valve in proper position?	X		
5 Was piping inspected for leaks?	X		
6 Does water supply appear normal & reservoirs full?	X		
B. Diesel Engine Systems			
1 Was engine operated for 30 min. minimum?		X	
2 Was pump's automatic start pressure set properly?		X	
3 Was pump started by dropping sensing line pressure? Start PSI Setting _____ PSI		X	
4 Was pump running alarm transmitted to central monitoring station?		X	
5 Was fuel tank full?		X	
6 Was controller selector switch in AUTO position?		X	
7 Were voltages for batteries normal?		X	
8 Were charging currents for batteries normal?		X	
9 Were pilot lights on for batteries?		X	
10 Was battery electrolyte normal?		X	
11 Were battery terminals free of corrosion?		X	
12 Were all alarm pilot lights off?		X	
13 Was oil level in right angle drives normal?		X	
14 Was crankcase oil level normal?		X	
15 Was coolant water level normal?		X	
16 Was water jacket heater operating?		X	
17 Was time to crank observed?		X	
18 Record clock hours for engine: Start _____ Stop _____		X	

FIRE PUMP PERIODIC TEST REPORT

Inspection Contract #: _____
Date: 7/21/2017

	Yes	N/A	No
C. Electrical System			
1 Was controller power on illuminated? _____	X		
2 Was transfer switch normal light on? _____		X	
3 Was phase reversal indicator normal? _____	X		
4 Was oil level in vertical motor sight glass normal? _____		X	
5 Was time for motor to accelerate to full speed at <u>1785</u> RPM observed? _____	X		
6 Were all pumps left in full automatic starting mode at end of testing and was Power "on" lamp illuminated? _____	X		
7 Were circuit breaker fuses visually checked for proper position of breaker switch? _____	X		
8 Was pump operated for 10 min. minimum? _____	X		
9 If equipped with an auto-shut down timer, did it activate properly & are settings correct? _____		X	
D. Jockey Pump			
1 Was jockey pump "on" tested? PSI Setting: <u>145</u> _____	X		
2 Was jockey pump "off" setting tested? PSI Setting: <u>165</u> _____	X		
3 Were all system components, valves, switches and alarms returned to normal position and/or condition? _____	X		

E. Explain any "no" answers and comments [see addendum(s) attached if checked] _____
The fire pump run timer is not set to turn off the fire pump after running for 10 minutes when automatically started from a pressure loss. There is on site security to monitor the fire sprinkler systems and alarms, but they are not properly trained or familiar enough with the fire pump to turn it off in the event that it is automatically started when engineering personnel are not on site. Setting or adding the fire pump run timer is highly recommended to prevent the fire pump from running for an extended period of time, which could severely damage the fire pump.

F. Adjustments or corrections made during this inspections: _____

G. This inspection was performed substantially in accordance with NFPA Standard: 25 () 20() Although these comments are not the result of an engineering review, the following desirable improvements are recommended [see addendum(s) attached if checked]
****The fire pump test header piping has a leak located directly above the fire pump motor. Need to replace a leaking 10" groove coupling.**
****There is a cracked and leaking hose valve on the fire pump test header. Need to replace the far left 2 1/2" chome hose valve.**
****The fire pump liquid filled gauges on the suction and discharge sides of the pump need to be replaced or sent out to be recalibrated and certified. Gauges are required to be calibrated or replaced every 5 years. The discharge side gauge is currently sprung and showing an incorrect pressure reading.**

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: Red Hawk Fire and Security

Rick Blasi _____
(Print Name) (Signature)

David M, Mike H, Rob B _____
Technician

7/21/2017 _____
Date

Fire Pump Performance/Acceptance Test

Location: Camden Yard - Ballpark

Test Date: 7/21/2017

Inspection #: _____

Part A: Pump Information

PUMP	TYPE OF TEST: <input checked="" type="checkbox"/> ANNUAL PERFORMANCE TEST <input type="checkbox"/> ACCEPTANCE TEST						PUMP LOCATION OR NO. Bsmt/Service Lvl			
	TYPE OF PUMP: <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL IF VERTICAL, INDICATE <input type="checkbox"/> STATIC WATER LEVEL <input type="checkbox"/> PUMPING WATER LEVEL									
	MANUFACTURER ITT A-A Pump			MODEL 8100		SERIAL NO. 911-82634-01-01		<input checked="" type="checkbox"/> UL LISTED <input checked="" type="checkbox"/> FM APPROVED		
RATED CAPACITY 2500		RATED HEAD OR PRESSURE (PSI) CHURN 119 100% 100 150% 84			RATED RPM 1785					
DRIVER	MANUFACTURER US Electric Motors			MODEL 445T		SERIAL NO. H022T12T275R056M		<input checked="" type="checkbox"/> UL LISTED <input checked="" type="checkbox"/> FM APPROVED		
	<input checked="" type="checkbox"/> ELECTRIC MOTOR		RATED VOLTAGE 460		RATED AMPS 229		RATED RPM 1775		RATED H.P. 200	
	<input type="checkbox"/> DIESEL MOTOR <input type="checkbox"/> Other				RATED H.P.		RATED RPM		BATTERY SETS <input type="checkbox"/> 1 <input type="checkbox"/> 2	
								BATTERIES INSULATED <input type="checkbox"/> YES <input type="checkbox"/> NO		
POWER SUPPLY		OVERHEAD <input checked="" type="checkbox"/> PROTECTED UNPROTECTED <input type="checkbox"/> UNDERGROUND			LIGHTING PROTECTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		COMMENTS			
FUEL SUPPLY		<input type="checkbox"/> ABOVE GROUND <input type="checkbox"/> BELOW GROUND			SUPPLY DURATION <input type="checkbox"/> 8 HR <input type="checkbox"/> OTHER		COMMENTS			
CONTROLLER	MANUFACTURER Joslyn Clark			MODEL C8C234-4		SERIAL NO. C150123-01		<input checked="" type="checkbox"/> AUTOMATIC <input checked="" type="checkbox"/> UL LISTED <input type="checkbox"/> NONAUTOMATIC <input checked="" type="checkbox"/> FM APPROVED		
	START PRESSURE 135 PSI STOP PRESSURE 155 PSI RUN TIME Not in service MIN									
	POWER SUPPLY <input checked="" type="checkbox"/> OVERHEAD <input type="checkbox"/> UNDERGROUND			PUMP HOUSE/ROOM HEATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			SPRINKLERED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
JOCKEY PUMP		START PRESSURE 145 PSI STOP PRESSURE 165 PSI			CAPACITY _____ GPM					
WATER SUPPLY		<input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> PRIVATE <input type="checkbox"/> TANK SIZE _____ GPM <input type="checkbox"/> Other			TANK HEIGHT _____ FT.		STATIC PRESSURE 72 PSI			

Part B: Pump Test

NOZZLE		OBSERVED							PUMP PRESSURES			CORRECTED TO RATED RPM		PERCENT(%)	
NO.	SIZE	Pitot PSI	Flow GPM (Total)	Speed RPM	Volts	Amps			Discharge PSI	Suction PSI	Net Head PSI	Net Head PSI	Flow GPM	Net Head PSI	Rated Capacity GPM
			Churn	1789	475	99	98	99	190	70	120				
6	1.75"	22	2508	1786	472	105	105	107	164	64	100				
6	1.75"	4-39, 2-50	3752	1782	471	113	112	115	135	54	81				
	Pump Rating		Churn								119				
	Pump Rating		100%								100				
	Pump Rating		150%								84				