

BUILDING 894 FIRE ALARM SYSTEM TEST CHECKLIST

FIRE ALARM CONTROL PANEL (FACP)

Transmitter: 0894	Area: TA1	MAXIMO #: 1111368	Maint. Zone: 2	NO ACTION Phone #: 284-9649
FACP Bldg: 894	Power Development Lab			AC Ckt. #: LA-12
Building(s): 894				Primary Phone: 284-0227
Mfgr./Model: EST QS4-12		App. Software Rev.: 2.5		Secondary Phone: 284-0228
Configuration: Addressable		O/S Software Rev.: 2.5		FARS Number: FA1206 894
FACP Location: NE main entrance			Annunciator?	FACPs Networked?
Battery Mfgr/Model: Power-Sonic PS-12120 F2	AH: 12		AES IntelliNet?	Voice Evacuation?
Battery Mfgr. Date: 12/10	Batt. Age (yr): 1.15			

MAXIMO PM WORK ORDER NUMBER: 20120134336

TESTED BY: KP, RO, JLO, RM

TEST DATE(S): 5/3 / 2/2/12

FIRE PROTECTION ENGINEER REVIEW: PR5

DATE: 3-17-12

MAINTENANCE INSTRUCTIONS

DISABLING FACP INPUTS/OUTPUTS

NACs: SW1 - NAC Disable
 HVAC Controls: SW2 - HVAC Controls Disable
 Elevator Controls: SW3 - Elevator Controls Disable
 Misc. Controls: SW4 - Door Holder Disabled

Waterflow Devices: M130 - North Mechanical Room 100 Riser #1 Water Flow Switch
 M193 - Print Shop Room 126 Riser #2 Water Flow Switch
 M189 - Shipping Room 133K Riser #3 Water Flow Switch
 M180 - Parachute Lab Room 145 Riser #4 Water Flow Switch
 M199 - Room 152 Riser #5 Water Pressure Switch
 M128 - North Mechanical Room 100 Riser #6 Water Flow Switch
 M145 - Dry Room 112 Riser #7 Water Pressure Switch
 M158 - Dry Room 112 Viking Panel Alarm

Tampers: M129 - North Mechanical Room 100 Riser #1 OS&Y Tamper
 M131 - Print Shop Room 126 Riser #2 Water Flow Switch
 M190 - Shipping Room 133K Riser #3 OS&Y Tamper
 M181 - Parachute Lab Room 145 Riser #4 OS&Y Tamper
 M200 - Room 152 Riser #5 OS&Y Tamper
 M131 - North Mechanical Room 100 Riser #6 OS&Y Tamper
 M146 - Dry Room 112 Riser #7 Low Air Pressure
 M136 - Dry Room 112 Riser #7 OS&Y Tamper
 M196 - Dry Room 112 Riser #7 OS&Y Tamper
 M192 - Dry Room 112 Viking Panel Trouble

SPECIAL INSTRUCTIONS

Contact Larry Moya before testing duct detectors D011, D012 in Dry Room 112.

Duct detectors D003, D004, D028 are located in unsafe location to access on top of duct work. D039 duct detector is inaccessible due to pipes from new boiler system.

RISER #7A PREACTION SYSTEM:

Low Air Alarm - 7 psi

SPRINKLER SYSTEM AIR COMPRESSOR:

Location: Room 114 Mechanical Room (MAXIMO# 1120883)
 AC Circuit: Panel 1PL2, Ckt.# 32

FIRE ALARM SYSTEM IMPAIRMENT INSTRUCTIONS

ANNUAL MAINTENANCE:

1. Put FACP in "NO ACTION".
2. Activate SW1 to disable NAC circuits.
3. After initial verification of AHU shutdown, activate SW2 to disable HVAC shutdown.
4. After initial verification of elevator controls, activate SW3 to disable elevator controls.
5. After initial verification of door release, activate SW4 to disable door release.
6. Perform maintenance per the requirements on MAXIMO Job Plan and document results on the test checklist.

7. After maintenance, restore all disabled points and NAC circuits to operation and take FACP off of "NO ACTION".

INSPECTION / TEST CHECKLIST

FACP INSPECTION / SUPERVISION TESTS

Accurate LCD Date/Time: PASS FAIL NA
 Transient Suppressors: PASS FAIL NA
 Lamps / LED Test: PASS FAIL NA
 Firmware (CPU) Software Rev. 2.5
 Ground Fault Monitoring: PASS FAIL
 Trouble Signals Generated: PASS FAIL
 AC Power Loss Supervision: PASS FAIL
 DC Power Loss Supervision: PASS FAIL
 Remote Annunciator(s): PASS FAIL NA
 Voice Evacuation System: PASS FAIL NA

120 VAC POWER SOURCE

Correct Fuse Size: YES NO
 (QuickStart: 5A fuse; NOTIFIER: 10A Slo-Blow fuse)
 AC Input Voltage: 119.5

BATTERY POWER SOURCE

Battery Condition: PASS FAIL
 Battery Mfg. Date: 2/11
 Bus Volts: 27
 Battery #1 Volts: 13.4
 Battery #2 Volts: 13.6
 Air Temperature (F): 67
 Load Voltage Test: PASS FAIL

INITIATING DEVICES

1. Verify at FACP if any addressable smoke detectors are dirty prior to performing functional tests. Replace any smoke detector that is dirty prior to performing tests.
 Number of dirty smoke detectors replaced: 0

PASS FAIL NA

QuickStart QS1, QS4 panels: [Main Menu - 2) Reports] >>> [Reports Menu - 1) Maintenance] >>> [Maintenance - 1) Dirty > 80%] >>> Panel # >>> ENTER >>> [Report Output - 1) Display]. Replace smoke detectors that appear as > 80% Dirty.

Notifier NFS-640 PD-80 Display: Press ENTER key, press M key. Enter 1 or 2 to specify SLC loop and enter detectors three digit address and press ENTER key. Use + and - buttons to view next or previous detector on the SLC. Replace photo smoke detectors with a compensation Comp:093%=93 or greater.

Notifier NFS-640 NCA Display: Select READ STATUS from menu. Enter device address NxxxLyyDzzz or press ACCEPT key to display default device displayed. Use soft keys "NEXT POINT" AND "PREVIOUS POINT" to scroll through list of detectors. Select soft key "ACCEPT" to display detector details. Line 13 (ACTION/STATUS) indicates status of detector. If ACTION/STATUS=NEEDS CLEANING or NEEDS IMMEDIATE CLEANING, replace the smoke detector. Select "BACK" key to return to detector list.

2. Functionally test 100% of all initiating (input) devices to FACP.
 3. Verify each ALARM signal input activates proper NAC output.
 4. No obstructions exist for access to fire alarm manual pull stations.

PASS FAIL
PASS FAIL
PASS FAIL

FIRE SAFETY FUNCTIONS

Elevator Recall: PASS FAIL NA HVAC Shutdown: PASS FAIL NA
 Elevator Shunt Trip: PASS FAIL NA Fire Damper Activation: PASS FAIL NA
 Magnetic Door Release: PASS FAIL NA Smoke Control System: PASS FAIL NA

FIRE ALARM SIGNAL TRANSMISSION TESTS

1. Disconnect secondary DACT phone line circuit. Verify signal receipt at Phoenix alarm monitoring station over primary circuit. Reconnect secondary phone circuit. PASS FAIL NA
 2. Disconnect primary DACT phone line circuit. Verify signal receipt at Phoenix alarm monitoring station over secondary circuit. Reconnect primary phone circuit. PASS FAIL NA
 3. Verify receipt of ALARM signal at the fire alarm monitoring station. PASS FAIL
 4. Verify receipt of SUPERVISORY signal at fire alarm monitoring station. PASS FAIL
 5. Verify receipt of TROUBLE signal at fire alarm monitoring station. PASS FAIL

BUILDING 894 FIELD INITIATION DEVICE INPUTS

ALM = ALARM SPV = SUPERVISORY TBL = TROUBLE NAC = BELLS/STROBES ACTIVATED

Fire alarm signals generated during tests are received and documented in the fire alarm monitoring station's software.

Detection - Duct Smoke Detectors

INPUT ID	POINT/ZONE DESCRIPTOR	FIELD DEVICES	PHOENIX SIGNAL	ZONE	ALM	SPV	TBL	NAC
D003	D003 AHU 10 Supply Duct	Duct Smk	Duct Smoke	003	XXX	✓	XXX	XXX
D004	D004 AHU 10 Return Duct	Duct Smk	Duct Smoke	004	XXX	✓	XXX	XXX
D006	D006 Room 894Q Unit #2 Duct Smk	Duct Smk	Duct Smoke	006	XXX	✓	XXX	XXX
D011	D011 112 Dry Rm AHU	Duct Smk	Duct Smoke	011	XXX	✓	XXX	XXX
D012	D012 112 Dry Rm AHU	Duct Smk	Duct Smoke	012	XXX	✓	XXX	XXX
D028	D028 SE. Mech Rm 150G AH #19 Duct	Duct Smk	Duct Smoke	028	XXX	✓	XXX	XXX
D031	D031 894Q Dry Room AHU Duct Det.	Duct Smk	Duct Smoke	031	XXX	✓	XXX	XXX
D038	D038 Facilities Equipt. Rm AH18	Duct Smk	Duct Smoke	038	XXX	✓	XXX	XXX
D039	D039 Facilities Equipt. Rm AH18	Duct Smk	Duct Smoke	039	XXX	✓	XXX	XXX
D047	D047 SE. Mech Rm 150G AH #19 Duct	Duct Smk	Duct Smoke	047	XXX	✓	XXX	XXX

Detection - Miscellaneous Inputs

INPUT ID	POINT/ZONE DESCRIPTOR	FIELD DEVICES	PHOENIX SIGNAL	ZONE	ALM	SPV	TBL	NAC
M156	M156 Room 132 FireLite Panel Alarm	CT2	Fire	156	✓	XXX	XXX	✓
M157	M157 Room 132 FireLite Panel Trouble	CT2	Sensor Trouble	157	XXX	XXX	✓	XXX

Detection - Pull Stations

INPUT ID	POINT/ZONE DESCRIPTOR	FIELD DEVICES	PHOENIX SIGNAL	ZONE	ALM	SPV	TBL	NAC
M132	M132 North Mech 100A South Exit	Pull	Pull Station	132	✓	XXX	XXX	✓
M133	M133 North Mech 100 South Exit	Pull	Pull Station	133	✓	XXX	XXX	✓
M137	M137 North Mech North Exit Pull	Pull	Pull Station	137	NA	XXX	XXX	NA
M138	M138 North Mech 100B East Door	Pull	Pull Station	138	✓	XXX	XXX	✓
M139	M139 North Exit by Rm 111A Pull	Pull	Pull Station	139	✓	XXX	XXX	✓
M140	M140 2nd Floor South Stair Pull	Pull	Pull Station	140	✓	XXX	XXX	✓
M141	M141 2nd Floor Room 201-3	Pull	Pull Station	141	✓	XXX	XXX	✓
M142	M142 2nd Floor N.E. Stair Pull	Pull	Pull Station	142	✓	XXX	XXX	✓
M144	M144 112 Dry Rm Main Entrance	Pull	Pull Station	144	✓	XXX	XXX	✓
M147	M147 Room 117 North Electrical	Pull	Pull Station	147	✓	XXX	XXX	✓
M148	M148 112 Dry Rm North Exit	Pull	Pull Station	148	✓	XXX	XXX	✓
M149	M149 112 Dry Rm South Electrical	Pull	Pull Station	149	✓	XXX	XXX	✓
M150	M150 Hall by IDR 112G Pull	Pull	Pull Station	150	✓	XXX	XXX	✓
M155	M155 Room 145 S.E. Exit	Pull	Pull Station	155	✓	XXX	XXX	✓
M160	M160 Outside Storage 134F	Pull	Pull Station	160	✓	XXX	XXX	✓
M161	M161 West O.S. Storage 134E	Pull	Pull Station	161	✓	XXX	XXX	✓
M162	M162 Outside Storage 134D	Pull	Pull Station	162	✓	XXX	XXX	✓
M164	M164 Hall West Exit by Rm 134C	Pull	Pull Station	164	✓	XXX	XXX	✓
M165	M165 Hall West Exit by Rm 136A	Pull	Pull Station	165	✓	XXX	XXX	✓
M166	M166 Room 138C3 Pull Station	Pull	Pull Station	166	✓	XXX	XXX	✓
M167	M167 Room 140D Pull Station	Pull	Pull Station	167	✓	XXX	XXX	✓
M168	M168 Room 133 I Pull Station	Pull	Pull Station	168	✓	XXX	XXX	✓
M169	M169 Room 133K Pull Station	Pull	Pull Station	169	✓	XXX	XXX	✓
M170	M170 Room 151E Pull Station	Pull	Pull Station	170	✓	XXX	XXX	✓
M171	M171 Room 151 Pull Station	Pull	Pull Station	171	✓	XXX	XXX	✓
M172	M172 Ultrasonic Lab 157 Pull	Pull	Pull Station	172	✓	XXX	XXX	✓
M173	M173 Hall Exit by Rm 165 Pull	Pull	Pull Station	173	✓	XXX	XXX	✓
M174	M174 Room 156 Pull Station	Pull	Pull Station	174	✓	XXX	XXX	✓
M176	M176 Southeast Mech. 150G	Pull	Pull Station	176	✓	XXX	XXX	✓

Transmitter 0894

M178	M178 Southeast Mech. 150G	Pull	Pull Station	178	✓	XXX	XXX	✓
M179	M179 East Exit by Room 150 Pull	Pull	Pull Station	179	✓	XXX	XXX	✓
M182	M182 Parachute Lab 145 North	Pull	Pull Station	182	✓	XXX	XXX	✓
M183	M183 Parachute Mez. 145 W. Pull	Pull	Pull Station	183	✓	XXX	XXX	✓
M184	M184 Parachute Mez. 145 E. Pull	Pull	Pull Station	184	✓	XXX	XXX	✓
M186	M186 Hall East Exit by Rm 139C	Pull	Pull Station	186	✓	XXX	XXX	✓
M187	M187 Room 137 Pull Station	Pull	Pull Station	187	✓	XXX	XXX	✓
M188	M188 West Mech. 894Q	Pull	Pull Station	188	✓	XXX	XXX	✓
M191	M191 Rm 133-3A Pull Station	Pull	Pull Station	191	✓	XXX	XXX	✓
M195	M195 Print Shop 122 Pull Station	Pull	Pull Station	195	✓	XXX	XXX	✓
M197	M197 Hall by Office 107A Pull	Pull	Pull Station	197	✓	XXX	XXX	✓
M198	M198 Hall by Vault 111H Pull	Pull	Pull Station	198	✓	XXX	XXX	✓

Detection - Smoke Detectors

INPUT ID	POINT/ZONE DESCRIPTOR	FIELD DEVICES	PHOENIX SIGNAL	ZONE	ALM	SPV	TBL	NAC
D002	D002 Main Entry Fire Panel Smoke	Smk	Smoke	002	✓	XXX	XXX	✓
D033	D033 Room 158B Ceiling Smoke	Smk	Smoke	033	✓	XXX	XXX	✓
D035	D035 Room 140D Smoke Detector	Smk	Smoke	035	✓	XXX	XXX	✓
D036	D036 IDR Room 140B Smoke Det.	Smk	Smoke	036	✓	XXX	XXX	✓
D037	D037 Room 140D Smoke Detector	Smk	Smoke	037	✓	XXX	XXX	✓
D040	D040 Room 151C Smoke Detector	Smk	Smoke	040	✓	XXX	XXX	✓
D041	D041 Telephone Room Smoke	Smk	Smoke	041	✓	XXX	XXX	✓
D042	D042 Room 158B Under Floor Smk.	Smk	Smoke	042	✓	XXX	XXX	✓
D043	D043 Room 158B Under Floor Smk.	Smk	Smoke	043	✓	XXX	XXX	✓
D044	D044 Room 158B Under Floor Smk.	Smk	Smoke	044	✓	XXX	XXX	✓
D045	D045 Room 158B Under Floor Smk.	Smk	Smoke	045	✓	XXX	XXX	✓
D046	D046 Room 158B Ceiling Smoke	Smk	Smoke	046	✓	XXX	XXX	✓
D048	D048 SE Mechanical Rm Smoke Det.	Smk	Smoke	048	✓	XXX	XXX	✓
D052	D052 IDR Rm 112G Smoke Detector	Smk	Smoke	052	✓	XXX	XXX	✓
D053	D053 IDR Rm 112G Smoke Detector	Smk	Smoke	053	✓	XXX	XXX	✓

FACP Disable/Control Switches

INPUT ID	POINT/ZONE DESCRIPTOR	FIELD DEVICES	PHOENIX SIGNAL	ZONE	ALM	SPV	TBL	NAC
SW1	SW1 - NAC Disable	SL30	NAC Disable	901	XXX	✓	XXX	XXX
SW2	SW2 - HVAC Controls Disable	SL30	Control Disable	902	XXX	✓	XXX	XXX
SW3	SW3 - Elevator Controls Disabled	SL30	Control Disable	903	XXX	✓	XXX	XXX

BUILDING 894 NAC POWER SUPPLY (PS) OUTPUTS
894-PS1

Location: NE Entry by FACP

Mfr/Model: Wheelock PS-12/24-8

MAXIMO #: 1111367

Install Date: 11/13/04

Comments:

Input (CBE): 0270

AC Ckt. #:

Battery Mfr/Model: Yuasa NP7-12

Supervisory:

AH: 7

Battery Mfr. Date: 01/10

Batt. Age (years): 2.07

 Battery Condition: PASS FAIL

 Transient Suppressors: PASS FAIL NA

 Ground Fault Monitoring: PASS FAIL NA

 Trouble Signals Generated: PASS FAIL

 AC Power Loss Supervision: PASS FAIL

 DC Power Loss Supervision: PASS FAIL

 Battery Manufacture Date: 5/10

 Bus Volts: 27

 Battery #1 Volts: 13.5

 Battery #2 Volts: 13.5

 Air Temperature (F): 69

 Load Voltage Test: PASS FAIL

Transmitter 0894**894-PS2**

Location: Chase S of fire wall, N of battery room
 Mfr/Model: Wheelock PS-12/24-8
 MAXIMO #: 1005783 Install Date: 11/13/04
 Comments:

Input (CBE): M154

Supervisory:

AC Ckt. #:

Battery Mfr/Model: Yuasa NP7-12

AH: 7

Battery Mfr. Date: 07/08

Batt. Age (years): 3.57

Battery Condition: PASS FAIL
 Transient Suppressors: PASS FAIL NA
 Ground Fault Monitoring: PASS FAIL NA
 Trouble Signals Generated: PASS FAIL
 AC Power Loss Supervision: PASS FAIL
 DC Power Loss Supervision: PASS FAIL

Battery Manufacture Date:

Bus Volts:

Battery #1 Volts:

Battery #2 Volts:

Air Temperature (F):

Load Voltage Test:

PASS FAIL**894-PS3**

Location: North of Parachute lab on fire wall
 Mfr/Model: Wheelock PS-12/24-8
 MAXIMO #: 1005781 Install Date: 11/13/04
 Comments:

Input (CBE): M185

Supervisory:

AC Ckt. #:

Battery Mfr/Model: Yuasa NP7-12

AH: 7

Battery Mfr. Date: 07/09

Batt. Age (years): 2.57

Battery Condition: PASS FAIL
 Transient Suppressors: PASS FAIL NA
 Ground Fault Monitoring: PASS FAIL NA
 Trouble Signals Generated: PASS FAIL
 AC Power Loss Supervision: PASS FAIL
 DC Power Loss Supervision: PASS FAIL

Battery Manufacture Date:

Bus Volts:

Battery #1 Volts:

Battery #2 Volts:

Air Temperature (F):

Load Voltage Test:

PASS FAIL**BUILDING 894 RELAY OUTPUTS CHECKLIST****Controls - Door Release**

OUTPUT ID	DESCRIPTOR	DEVICE	ZONE	CBE INPUTS	RELAY OPERATED?	
M135	M135 Dry Room Dr. Holder CR	CR	135	M156	<u>YES</u>	NO

Controls - HVAC

OUTPUT ID	DESCRIPTOR	DEVICE	ZONE	CBE INPUTS	RELAY OPERATED?	
M126	M126 Dry Room Unit #2 Relay	CR	126		<u>YES</u>	NO
M127	M127 AHU 10 Shutdown Relay	CR	127	D003, D004	<u>YES</u>	NO
M134	M134 AHU by IDR 112G CR	CR	134		<u>YES</u>	NO
M143	M143 Facilities Mech. Rm AH18 CR	CR	143	D038, D039	<u>YES</u>	NO
M159	M159 Dry Rm Mech AH Shut Down CR	CR	159	D031	<u>YES</u>	NO
M175	M175 SE. Mech. 150G AH19 CR	CR	175	D028, D047	<u>YES</u>	NO
M177	M177 SE. Mech. 150G. AH19 CR	CR	177	D028, D047	<u>YES</u>	NO
M201	M201 Dry Rm 113 AHU Shutdown	CR	201	D011	<u>YES</u>	NO
M202	M202 Dry Rm 113 AHU Shutdown	CR	202	D012	<u>YES</u>	NO

FIRE-LITE ALARMS, INC. MRP-4424 PANEL

Panel Type: Misc. Control Panel

FACP Alarm Input: M156

Location: Room 132

FACP Spv. Input: M157

Mfg/Model: Fire-Lite Alarms, Inc. MRP-4424

AC Ckt. #:

MAXIMO #: 1135510

Install Date:

Battery Mfg/Model:

Ah:

Design Basis: The Fire-Lite Fire Alarm Panel "A" in Room 132, the lithium battery lab, has two zones connected to the panel, one for the pullstations in the room and 1 for the smoke detectors in the room. The Fire-Lite panel has a 30 second delay that allows the room occupants to either acknowledge the alarm or access the situation before the alarm is sent to the EST QuickStart by module M156. There are audible devices in the room connected to the Fire-Lite panel. The Fire-Lite panel is not being used as a release panel, but as a means to delay the transmission of alarm signals to the building fire alarm control panel. The sprinkler system in the room has been deactivated due to the damage that would occur if water should come into contact with the lithium.

PANEL INSPECTION / TEST CHECKLIST

AC Power Loss Supervision: PASS FAIL

DC Power Loss Supervision: PASS FAIL ☒ M157 "Room 132 Fire-Lite Panel Trouble"

Ground Fault Monitoring: PASS FAIL

LED / Lamps Test: PASS FAIL N/A

Battery Corrosion/ Leakage: PASS FAIL

Battery Load Voltage Test: PASS FAIL *in engine*

Battery Manufacture Date: 11-7 (replace batteries over 5 years old)

Battery Bus Volts: 27.4 Battery #1 Volts: 13.7 Battery #2 Volts: 13.6 Air Temperature: 78°

INITIATING DEVICES:

NOTE: Disable NAC output to local bells at Fire-Lite panel prior to testing smoke detectors.

Room 132 Smoke Detectors (total of 11): ☒ ALARM TO FIRE-LITE ☒ ALARM TO FACP MODULE M156 ☐ Sec. Time Delay

Fire-Lite trouble sends TROUBLE signal to QuickStart Module M157: PASS FAIL

Fire-Lite Audible/Visual Notification Appliances operate: PASS FAIL

Enable Fire-Lite NAC output to local bells: YES NO

Replaced batteries new date 12/11

VIKING MODEL B-1 PAR-3 PANEL

Panel Type: Sprinkler Preaction Panel FACP Alarm Input: M158
 Location: In the Dry Room Addition equipment room FACP Spv. Input: M192
 Mfg/Model: Viking Model B-1 PAR-3 AC Ckt. #: 1PL3-36
 MAXIMO #: 1121807 Install Date: 02/17/05 Battery Mfg/Model: Elk Ah: ###

Design Basis: The sprinkler system in the Dry Room Addition is a double interlock system, which admits water to sprinkler piping upon operation of BOTH detection devices (heat detectors) and automatic sprinklers. The Viking PAR-3 Release Control Panel is used to trip the solenoid for the deluge valve for the preaction sprinkler system in the Dry Room Addition to Building 894. There are nine (9) conventional Chemetronics Model 601 fixed heat/ROR 135F heat detectors installed throughout the Dry Room Addition connected to Zone 1 of the Viking panel. Upon activation of any heat detector, the solenoid will be activated to open the deluge valve to charge the system. The sprinkler piping is pressurized by air provided by an General Air Products air compressor. Upon activation of a sprinkler, the air will escape from the piping and water discharged for suppression of the fire.

PANEL INSPECTION / TEST CHECKLIST

AC Power Loss Supervision: PASS FAIL
 DC Power Loss Supervision: PASS FAIL ____ M192 "Room 112 Dry Room Viking Panel Trouble"
 Ground Fault Monitoring: PASS FAIL
 LED / Lamps Test: PASS FAIL N/A
 Battery Corrosion/ Leakage: PASS FAIL
 Battery Load Voltage Test: PASS FAIL
 Battery Manufacture Date: 11-08 (replace batteries over 5 years old)
 Battery Bus Volts: 27.5 Battery #1 Volts: 13.6 Battery #2 Volts: 13.8 Air Temperature: 63°

INITIATING DEVICES:

NOTE: Disconnect solenoid for the deluge valve to prevent filling dry room sprinkler piping with water before testing heat detectors.

Dry Room 112 Heat Detectors (9 each 135F/ROR): ☒ ALARM TO VIKING PANEL ☒ ALARM TO FACP MODULE M158

NOTE: Pressing ACTIVATE ALARM button in panel will generate a panel alarm.

VIKING Panel trouble sends TROULBE signal to QuickStart Module M192: PASS FAIL

Reconnect solenoid for deluge valve: YES NO

COMMENTS / DEFICIENCIES

① Replaced batteries in
 Room 132 Firelite panel
 new date 12/11

SIGNAL REPORT
2/2/2012 08:00 - 2/2/2012 15:00

Date	Time	Area	Signal	Zone	Name/Description
Transmitter: Bldg 894 Mail Office/Battery Lab (0894)					
02/02/2012	10:16:54		begin N/A	-1	MARKER RECORD
02/02/2012	10:23:00	:00	AC Loss	000	MARKER RECORD
02/02/2012	10:23:04	:00	restoral	000	MARKER RECORD
02/02/2012	10:23:42	:00	Telco 1 Tro	000	MARKER RECORD
02/02/2012	10:23:47	:00	Battery Tes	000	MARKER RECORD
02/02/2012	10:24:36	:00	restoral	000	MARKER RECORD
02/02/2012	10:24:40	:00	Battery Tes	000	MARKER RECORD
02/02/2012	10:24:45	:00	restoral	000	MARKER RECORD
02/02/2012	10:24:49	:00	Output Disa	902	SW2 - Disable HVAC Controls
02/02/2012	10:24:54	:00	NAC Disable	901	SW1 - Disable NACs
02/02/2012	10:24:58	:00	Output Disa	903	SW3 - Disable Elevator Controls
02/02/2012	10:25:03	:00	restoral	901	SW1 - Disable NACs
02/02/2012	10:25:07	:00	restoral	902	SW2 - Disable HVAC Controls
02/02/2012	10:25:12	:00	restoral	903	SW3 - Disable Elevator Controls
02/02/2012	10:25:16	:00	Output Disa	902	SW2 - Disable HVAC Controls
02/02/2012	10:25:21	:00	restoral	902	SW2 - Disable HVAC Controls
02/02/2012	10:25:25	:00	NAC Disable	901	SW1 - Disable NACs
02/02/2012	10:25:58	:00	Telco 2 Tro	000	MARKER RECORD
02/02/2012	10:27:59	:00	Bell 1 Trou	270	MARKER RECORD
02/02/2012	10:28:26	:00	restoral	000	MARKER RECORD
02/02/2012	10:28:31	:00	restoral	270	MARKER RECORD
02/02/2012	10:28:35	:00	Bell 1 Trou	270	MARKER RECORD
02/02/2012	10:29:25	:00	restoral	270	MARKER RECORD
02/02/2012	10:31:34	:00	restoral	000	MARKER RECORD
02/02/2012	10:32:30	:00	Bell 1 Trou	270	MARKER RECORD
02/02/2012	10:36:36	:00	restoral	270	MARKER RECORD
02/02/2012	10:36:41	:00	restoral	901	SW1 - Disable NACs
02/02/2012	10:42:35	:00	Sensor Trou	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:43:17	:00	Sensor Trou	185	M185 Elect Rm Wheelock PS3 Signal Module
02/02/2012	10:44:01	:00	restoral	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:45:25	:00	Sensor Trou	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:45:29	:00	restoral	185	M185 Elect Rm Wheelock PS3 Signal Module
02/02/2012	10:45:34	:00	restoral	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:46:37	:00	Sensor Trou	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:52:26	:00	NAC Disable	901	SW1 - Disable NACs
02/02/2012	10:52:30	:00	restoral	154	M154 Mech Chase Wheelock PS2 Signal Mod
02/02/2012	10:58:22	:00	Pull Statio	197	M197 Hall by Office 107A Pullstation
02/02/2012	10:58:27	:00	Pull Statio	198	M198 Hall by Vault 111H Pullstation
02/02/2012	10:59:11	:00	Pull Statio	139	M139 North Exit by Room 111A Pull
02/02/2012	10:59:16	:00	Pull Statio	142	M142 2nd Floor NE Stairs Pullstation
02/02/2012	11:00:12	:00	Pull Statio	140	M140 2nd Floor South Stair Pullstation
02/02/2012	11:01:03	:00	Pull Statio	150	M150 Hall by IDR Rm 112G Pullstation
02/02/2012	11:01:07	:00	Pull Statio	149	M149 112 Dry Rm South Electrical Rm Pull
02/02/2012	11:02:28	:00	Pull Statio	147	M147 117 Dry Rm North Electrical
02/02/2012	11:03:56	:00	Pull Statio	188	M188 West Mech Rm 894Q Pullstation
02/02/2012	11:04:36	:00	Pull Statio	160	M160 Outside Storage 134F Pullstation
02/02/2012	11:05:11	:00	Pull Statio	161	M161 W Outside Storage 134E Pullstation
02/02/2012	11:05:45	:00	Pull Statio	162	M162 Outside Storage 134D Pullstation
02/02/2012	11:06:13	:00	Pull Statio	164	M164 Hall West Exit by Room 134C Pull
02/02/2012	11:07:12	:00	Pull Statio	165	M165 Hall West Exit by Room 136A Pull
02/02/2012	11:07:55	:00	Pull Statio	166	M166 Room 138-C3 Pullstation
02/02/2012	11:11:53	:00	Pull Statio	173	M173 Hall Exit by Room 165 Pullstation
02/02/2012	11:12:40	:00	Pull Statio	174	M174 Room 156 Pullstation
02/02/2012	11:13:23	:00	Pull Statio	176	M176 Southeast Mech Rm 150G Pullstation

02/02/2012 15:00:11

Page 1

SIGNAL REPORT
2/2/2012 08:00 - 2/2/2012 15:00

Date	Time	Area	Signal	Zone	Name/Description
02/02/2012	11:13:56	:00	Pull Statio	179	M179 East Exit by Rm 150 Pullstation
02/02/2012	11:16:47	:00	Pull Statio	182	M182 Parachute Lab 145 East Pullstation
02/02/2012	11:16:51	:00	Pull Statio	184	M184 Parachute Mezz 145 East Pullstation
02/02/2012	11:19:03	:00	Pull Statio	186	M186 Hall East Exit by Rm 139C Pull
02/02/2012	11:20:34	:00	Pull Statio	169	M169 Room 133K Pullstation
02/02/2012	11:20:39	:00	Smoke	002	D002 Main Entry Fire Panel Smoke Det
02/02/2012	11:21:53	:00	Pull Statio	191	M191 Room 133-3A Pullstation
02/02/2012	11:23:56	:00	Smoke	053	D053 IDR Room 112G Smoke Detector
02/02/2012	11:24:00	:00	Smoke	052	D052 IDR Room 112G Smoke Detector
02/02/2012	11:25:28	:00	Pull Statio	132	M132 N Mech Rm 100A South Exit Pull
02/02/2012	11:26:08	:00	Pull Statio	133	M133 N Mech Rm 100 South Exit Pull
02/02/2012	11:27:33	:00	Smoke	036	D036 IDR Room 140B Smoke Detector
02/02/2012	11:32:06	:00	Smoke	041	D041 Telephone Room Smoke Detector
02/02/2012	11:35:35	:00	Smoke	048	D048 SE Room 150G Smoke Detector
02/02/2012	11:40:45	:00	restoral	002	D002 Main Entry Fire Panel Smoke Det
02/02/2012	11:40:50	:00	restoral	036	D036 IDR Room 140B Smoke Detector
02/02/2012	11:40:54	:00	restoral	041	D041 Telephone Room Smoke Detector
02/02/2012	11:40:59	:00	restoral	048	D048 SE Room 150G Smoke Detector
02/02/2012	11:41:03	:00	restoral	052	D052 IDR Room 112G Smoke Detector
02/02/2012	11:41:08	:00	restoral	053	D053 IDR Room 112G Smoke Detector
02/02/2012	11:41:12	:00	restoral	132	M132 N Mech Rm 100A South Exit Pull
02/02/2012	11:41:17	:00	restoral	133	M133 N Mech Rm 100 South Exit Pull
02/02/2012	11:41:21	:00	restoral	139	M139 North Exit by Room 111A Pull
02/02/2012	11:41:25	:00	restoral	140	M140 2nd Floor South Stair Pullstation
02/02/2012	11:41:30	:00	restoral	142	M142 2nd Floor NE Stairs Pullstation
02/02/2012	11:41:34	:00	restoral	147	M147 117 Dry Rm North Electrical
02/02/2012	11:41:39	:00	restoral	149	M149 112 Dry Rm South Electrical Rm Pull
02/02/2012	11:41:43	:00	restoral	150	M150 Hall by IDR Rm 112G Pullstation
02/02/2012	11:41:48	:00	restoral	160	M160 Outside Storage 134F Pullstation
02/02/2012	11:41:52	:00	restoral	161	M161 W Outside Storage 134E Pullstation
02/02/2012	11:41:57	:00	restoral	162	M162 Outside Storage 134D Pullstation
02/02/2012	11:42:01	:00	restoral	164	M164 Hall West Exit by Room 134C Pull
02/02/2012	11:42:06	:00	restoral	165	M165 Hall West Exit by Room 136A Pull
02/02/2012	11:42:10	:00	restoral	166	M166 Room 138-C3 Pullstation
02/02/2012	11:42:15	:00	restoral	169	M169 Room 133K Pullstation
02/02/2012	11:42:19	:00	restoral	173	M173 Hall Exit by Room 165 Pullstation
02/02/2012	11:42:20		delete N/A	-1	MARKER RECORD
02/02/2012	11:42:24	:00	restoral	174	M174 Room 156 Pullstation
02/02/2012	11:42:28	:00	restoral	176	M176 Southeast Mech Rm 150G Pullstation
02/02/2012	11:42:33	:00	restoral	179	M179 East Exit by Rm 150 Pullstation
02/02/2012	11:42:37	:00	restoral	182	M182 Parachute Lab 145 East Pullstation
02/02/2012	11:42:42	:00	restoral	184	M184 Parachute Mezz 145 East Pullstation
02/02/2012	11:42:46	:00	restoral	186	M186 Hall East Exit by Rm 139C Pull
02/02/2012	11:42:51	:00	restoral	188	M188 West Mech Rm 894Q Pullstation
02/02/2012	11:42:55	:00	restoral	191	M191 Room 133-3A Pullstation
02/02/2012	11:43:00	:00	restoral	197	M197 Hall by Office 107A Pullstation
02/02/2012	11:43:04	:00	restoral	198	M198 Hall by Vault 111H Pullstation
02/02/2012	11:43:09	:00	Smoke	041	D041 Telephone Room Smoke Detector
02/02/2012	11:43:13	:00	restoral	901	SW1 - Disable NACs
02/02/2012	11:43:18	:00	NAC Disable	901	SW1 - Disable NACs
02/02/2012	11:44:15	:00	restoral	041	D041 Telephone Room Smoke Detector
02/02/2012	11:50:07	:00	restoral	901	SW1 - Disable NACs
02/02/2012	12:50:42		begin N/A	-1	MARKER RECORD
02/02/2012	12:53:24	:00	NAC Disable	901	SW1 - Disable NACs
02/02/2012	13:05:09	:00	Pull Statio	141	M141 2nd Floor Room 201-3 Pullstation
02/02/2012	13:08:22	:00	Smoke	035	D035 Room 140D Smoke Detector

02/02/2012 15:00:11

Page 2

SIGNAL REPORT

2/2/2012 08:00 - 2/2/2012 15:00

Date	Time	Area	Signal	Zone	Name/Description
02/02/2012	13:09:08	:00	Smoke	037	D037 Room 140D Smoke Detector
02/02/2012	13:09:48	:00	Pull Statio	167	M167 Room 140D Pullstation
02/02/2012	13:10:35	:00	restoral	035	D035 Room 140D Smoke Detector
02/02/2012	13:10:40	:00	restoral	037	D037 Room 140D Smoke Detector
02/02/2012	13:10:44	:00	restoral	141	M141 2nd Floor Room 201-3 Pullstation
02/02/2012	13:10:49	:00	restoral	167	M167 Room 140D Pullstation
02/02/2012	13:15:10	:00	Smoke	040	D040 Room 151C Smoke Detector
02/02/2012	13:15:15	:00	Pull Statio	183	M183 Parachute Mezz 145 West Pullstation
02/02/2012	13:15:53	:00	Pull Statio	171	M171 Room 151 Pullstation
02/02/2012	13:17:42	:00	Pull Statio	170	M170 Room 151E Pullstation
02/02/2012	13:19:59	:00	Smoke	046	D046 Room 158B Ceiling Smoke Det.
02/02/2012	13:20:38	:00	restoral	040	D040 Room 151C Smoke Detector
02/02/2012	13:20:43	:00	restoral	170	M170 Room 151E Pullstation
02/02/2012	13:20:47	:00	restoral	171	M171 Room 151 Pullstation
02/02/2012	13:20:52	:00	restoral	183	M183 Parachute Mezz 145 West Pullstation
02/02/2012	13:20:56	:00	restoral	046	D046 Room 158B Ceiling Smoke Det.
02/02/2012	13:21:24	:00	Output Disa	902	SW2 - Disable HVAC Controls
02/02/2012	13:21:28	:00	Smoke	033	D033 Room 158B Ceiling Smoke Detector
02/02/2012	13:21:57	:00	Pull Statio	172	M172 Ultrasonci Lab Rm 157 Pullstation
02/02/2012	13:24:26	:00	Smoke	045	D045 Room 158B Under Floor Smoke Det.
02/02/2012	13:25:22	:00	Smoke	042	D042 Room 158B Under Floor Smoke Det.
02/02/2012	13:26:40	:00	Pull Statio	187	M187 Room 137 Pullstation
02/02/2012	13:27:36	:00	Smoke	044	D044 Room 158B Under Floor Smoke Det.
02/02/2012	13:28:33	:00	Pull Statio	168	M168 Room 133I Pullstation
02/02/2012	13:29:12	:00	Smoke	043	D043 Room 158B Under Floor Smoke Det.
02/02/2012	13:32:38	:00	restoral	033	D033 Room 158B Ceiling Smoke Detector
02/02/2012	13:32:42	:00	restoral	042	D042 Room 158B Under Floor Smoke Det.
02/02/2012	13:32:47	:00	restoral	043	D043 Room 158B Under Floor Smoke Det.
02/02/2012	13:32:51	:00	restoral	044	D044 Room 158B Under Floor Smoke Det.
02/02/2012	13:32:56	:00	restoral	045	D045 Room 158B Under Floor Smoke Det.
02/02/2012	13:33:00	:00	restoral	168	M168 Room 133 I Pullstation
02/02/2012	13:33:05	:00	restoral	172	M172 Ultrasonci Lab Rm 157 Pullstation
02/02/2012	13:33:09	:00	restoral	187	M187 Room 137 Pullstation
02/02/2012	13:39:04	:00	Pull Statio	195	M195 Print Shop Room 122 Pullstation
02/02/2012	13:40:33	:00	restoral	195	M195 Print Shop Room 122 Pullstation
02/02/2012	13:43:20	:00	Pull Statio	138	M138 N Mech Rm 100B East Exit Pull
02/02/2012	13:43:47	:00	restoral	138	M138 N Mech Rm 100B East Exit Pull
02/02/2012	13:44:39	:00	Pull Statio	178	M178 SE Mech Rm 150G Pullstation
02/02/2012	13:46:08	:00	restoral	178	M178 SE Mech Rm 150G Pullstation
02/02/2012	13:47:17	:00	restoral	902	SW2 - Disable HVAC Controls
02/02/2012	13:49:17	:00	Duct Smoke	028	D028 SE Mech Rm 150G AHU #19 Duct Smoke
02/02/2012	13:49:45	:00	restoral	028	D028 SE Mech Rm 150G AHU #19 Duct Smoke
02/02/2012	13:50:14	:00	Duct Smoke	047	D047 SE Mech Rm 150G AHU-19 Duct Smoke
02/02/2012	13:50:19	:00	restoral	047	D047 SE Mech Rm 150G AHU-19 Duct Smoke
02/02/2012	13:51:29	:00	Pull Statio	155	M155 Room 145 SE Exit Pullstation
02/02/2012	13:51:57	:00	restoral	155	M155 Room 145 SE Exit Pullstation
02/02/2012	13:58:21	:00	Duct Smoke	006	D006 Room 894Q Unit #2 Duct Smoke Det
02/02/2012	13:58:49	:00	restoral	006	D006 Room 894Q Unit #2 Duct Smoke Det
02/02/2012	14:01:14	:00	Duct Smoke	031	D031 Dry Room AHU Duct Detector
02/02/2012	14:01:19	:00	restoral	031	D031 Dry Room AHU Duct Detector
02/02/2012	14:02:57	:00	Duct Smoke	003	D003 AHU-10 Supply Duct Smoke Detector
02/02/2012	14:03:52	:00	restoral	003	D003 AHU-10 Supply Duct Smoke Detector
02/02/2012	14:04:38	:00	Duct Smoke	004	D004 AHU-10 Return Duct Smoke Detector
02/02/2012	14:04:43	:00	restoral	004	D004 AHU-10 Return Duct Smoke Detector
02/02/2012	14:17:15	:00	Duct Smoke	038	D038 Facilities Equip Rm AHU-18 Duct Smk
02/02/2012	14:18:02	:00	restoral	038	D038 Facilities Equip Rm AHU-18 Duct Smk

02/02/2012 15:00:11

Page 3

SIGNAL REPORT
2/2/2012 08:00 - 2/2/2012 15:00

Date	Time	Area	Signal	Zone	Name/Description
------	------	------	--------	------	------------------

02/02/2012	14:18:32	:00	Duct Smoke	039	D039 Facilities Equip Rm AHU-18 Duct Smk
02/02/2012	14:18:36	:00	restoral	039	D039 Facilities Equip Rm AHU-18 Duct Smk
02/02/2012	14:20:44	:00	restoral	901	SW1 - Disable NACs
02/02/2012	14:21:43		delete N/A	-1	MARKER RECORD

SIGNAL REPORT
2/3/2012 08:00 - 2/3/2012 10:00

Date	Time	Area	Signal	Zone	Name/Description

Transmitter: Bldg 894 Mail Office/Battery Lab (0894)					
02/03/2012	08:22:23		begin N/A	-1	MARKER RECORD
02/03/2012	08:30:15	:00	NAC Disable	901	SW1 - Disable NACs
02/03/2012	08:33:23	:00	Pull Statio	148	M148 112 Dry Rm North Exit Pull
02/03/2012	08:34:02	:00	Pull Statio	144	M144 112 Dry Rm Main Entrance Pull
02/03/2012	08:34:38	:00	restoral	144	M144 112 Dry Rm Main Entrance Pull
02/03/2012	08:34:43	:00	restoral	148	M148 112 Dry Rm North Exit Pull
02/03/2012	08:48:26	:00	System Trou	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:48:30	:00	restoral	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:49:33	:00	Valve Tampe	196	M196 112 Dry Rm Sprinkler Valve Tamper
02/03/2012	08:50:11	:00	System Trou	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:50:16	:00	restoral	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:50:51	:00	Duct Smoke	011	D011 Rm 112 Dry Room AHU Duct Smoke Det.
02/03/2012	08:51:19	:00	restoral	011	D011 Rm 112 Dry Room AHU Duct Smoke Det.
02/03/2012	08:52:30	:00	System Trou	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:54:47	:00	Duct Smoke	012	D012 Rm 112 Dry Room AHU Duct Smoke Det.
02/03/2012	08:54:51	:00	restoral	012	D012 Rm 112 Dry Room AHU Duct Smoke Det.
02/03/2012	08:57:02	:00	restoral	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	08:58:11	:00	Valve Tampe	146	M146 112 Dry Rm Sprinkler Low Pressure/!!! NOTIFY MAINTENANCE IMMEDIATELY !!!
02/03/2012	08:59:14	:00	restoral	146	M146 112 Dry Rm Sprinkler Low Pressure/!!! NOTIFY MAINTENANCE IMMEDIATELY !!!
02/03/2012	08:59:58	:00	Valve Tampe	136	M136 112 Dry Rm Sprinkler Valve Tamper
02/03/2012	09:00:02	:00	restoral	136	M136 112 Dry Rm Sprinkler Valve Tamper
02/03/2012	09:02:13	:00	fire	156	M156 Dry Room Fire Panel Alarm Input
02/03/2012	09:03:23	:00	restoral	156	M156 Dry Room Fire Panel Alarm Input
02/03/2012	09:10:23	:00	System Trou	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:10:28	:00	restoral	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:12:22	:00	System Trou	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:12:26	:00	restoral	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:13:30	:00	System Trou	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:19:14	:00	restoral	192	M192 112 Dry Rm Viking Panel Trouble
02/03/2012	09:26:02	:00	Pull Statio	158	M158 112 Dry Rm Viking Panel Alarm
02/03/2012	09:26:07	:00	Sprinkler F	145	M145 112 Dry Rm Spklr Press Sw.-Riser #7
02/03/2012	09:27:12	:00	Sprinkler F	130	M130 N Mech Rm 100 Sprinkler Waterflow
02/03/2012	09:28:04	:00	Valve Tampe	146	M146 112 Dry Rm Sprinkler Low Pressure/!!! NOTIFY MAINTENANCE IMMEDIATELY !!!
02/03/2012	09:28:51	:00	restoral	130	M130 N Mech Rm 100 Sprinkler Waterflow
02/03/2012	09:28:56	:00	restoral	145	M145 112 Dry Rm Spklr Press Sw.-Riser #7
02/03/2012	09:33:33	:00	restoral	158	M158 112 Dry Rm Viking Panel Alarm
02/03/2012	09:34:21	:00	System Trou	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	09:36:07	:00	restoral	157	M157 Dry Room Fire Panel Trouble Input
02/03/2012	09:42:08	:00	Pull Statio	197	M197 Hall by Office 107A Pullstation
02/03/2012	09:42:57	:00	restoral	197	M197 Hall by Office 107A Pullstation
02/03/2012	09:44:48	:00	restoral	146	M146 112 Dry Rm Sprinkler Low Pressure/!!! NOTIFY MAINTENANCE IMMEDIATELY !!!