

FIRE ALARM SYMBOLS:

- CM CONTROL MODULE
- MM MONITOR MODULE
- LMM MONITOR MODULE FOR EXISTING SYSTEM 1
- NAC NOTIFICATION APPLIANCE CIRCUIT PANEL
- FACP FIRE ALARM CONTROL PANEL
- FACPC FIRE ALARM CONTROL PANEL FOR EXISTING SYSTEM 1
- GCC GRAPHIC COMMAND CENTER
- ANN ANNUNCIATOR
- DACT DIGITAL DIALER
- PHOTOELECTRIC SMOKE DETECTOR
- MASS NOTIFICATION STROBE DEVICE
cd - INDICATES CANDELA RATING
- MASS NOTIFICATION STROBE DEVICE
cd - INDICATES CANDELA RATING
C - INDICATES CEILING MOUNTED
- SPEAKER / STROBE COMBINATION DEVICE
cd - INDICATES CANDELA RATING
- SPEAKER / STROBE COMBINATION DEVICE
cd - INDICATES CANDELA RATING
C - INDICATES CEILING MOUNTED

FIRE ALARM AND MASS NOTIFICATION GENERAL NOTES

1. PROVIDE FIRE ALARM AND MASS NOTIFICATION SYSTEM DEVICES IN THE RENOVATED RESTROOMS. THE SYSTEM SHALL BE FULLY ADDRESSABLE AND POINT REPORTING TYPE USING AN EST 3 PANEL.
2. FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED TO MEET THE REQUIREMENTS OF NFPA 70 AND NFPA 72.
3. CONTRACTOR SHALL PROVIDE ADEQUATE NOTIFICATION DEVICES TO MEET AUDIBILITY AND INTELLIGIBILITY REQUIREMENTS OF NFPA 72 IN THE RENOVATED RESTROOM AREAS.
4. CONTRACTOR SHALL PROVIDE FINAL SYSTEM LAYOUT DRAWINGS INCLUDING BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS AND OBTAIN APPROVAL OF THE FIRE MARSHAL AND ALL AUTHORITIES HAVING JURISDICTION.
5. INSTALLING CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL AND OTHER TRADES TO FACILITATE INSTALLATION THAT IS COORDINATED AND CONSISTENT WITH BUILDING DESIGN, USE AND INTENT.
6. COORDINATE FINAL SYSTEM TESTING WITH OTHER CONTRACTORS TO PROVIDE FULL SYSTEM OPERATION AT TIME OF TESTING.
7. PROVIDE ALL INITIATION, SIGNALING AND CONTROL WIRE IN CONDUIT. CONDUIT SHALL BE A MINIMUM 0.5 INCH OR AS SPECIFIED BY THE FIRE ALARM MANUFACTURER, OR AS SHOWN ON ELECTRICAL DRAWINGS WHICHEVER IS GREATER.
8. CONDUIT PERCENTAGE OF FILL TO BE DETERMINED BY INSTALLING CONTRACTOR AND SHALL COMPLY WITH ALL APPLICABLE STANDARDS AND SYSTEM MANUFACTURER'S REQUIREMENTS.
9. FIRE ALARM WIRING SHALL NOT BE INSTALLED IN THE SAME CONDUITS OR JUNCTION BOXES AS LIGHTING, POWER OR OTHER WIRING.
10. CONNECT ALARM INITIATING DEVICES TO SIGNALING LINE CIRCUITS, CLASS B IN ACCORDANCE WITH NFPA 72.
11. CONNECT ALARM NOTIFICATION APPLIANCES TO NOTIFICATION APPLIANCE CIRCUITS, CLASS B IN ACCORDANCE WITH NFPA 72.
12. THE PATHWAY SURVIVABILITY LEVEL WILL BE 0 (ZERO) IN ACCORDANCE WITH NFPA 72.
13. PROVIDE AND INSTALL BOOSTER PANELS FOR NOTIFICATION APPLIANCES AS NECESSARY TO MEET POWER NEEDS.
14. ALL ADDRESSABLE CONTROL MODULES AND ADDRESSABLE MONITOR MODULES SHALL BE LOCATED WITHIN 10 FEET OF THE DEVICES BEING MONITORED.
15. MASS NOTIFICATION SYSTEM AND FIRE ALARM SYSTEM TO BE A COMBINED SYSTEM WITH SHARED SPEAKERS AND SEPARATE STROBES. FIRE ALARM STROBES SHALL BE WHITE/CLEAR AND LABELED "FIRE." MASS NOTIFICATION STROBES SHALL BE AMBER AND LABELED "ALERT".
16. MASS NOTIFICATION STROBES ARE TO BE PROVIDED BUT NOT PLACED IN SERVICE.
17. NEW FIRE ALARM CONTROL PANEL WILL MONITOR THE EXISTING FIRE ALARM CONTROL PANEL FOR ALARM CONDITIONS AND ACTIVATE STROBES AND SPEAKERS ACCORDINGLY.
18. EXISTING FIRE ALARM CONTROL PANEL IS TO MONITOR NEW PANEL FOR FIRE ALARM CONDITION AND ACTIVATE NOTIFICATION DEVICES ACCORDINGLY.
19. NEW FIRE ALARM CONTROL PANEL IS TO BE CONNECTED TO A NEW GRAPHICS SYSTEM (COMPUTER AND MONITOR).

SEQUENCE OF OPERATIONS - BATHROOM RENOVATION AREAS ONLY

AREA SMOKE DETECTOR	X	X	X	X					
FIELD WIRING OR SYSTEM COMPONENT FAULT	X	X			X				
LOSS OF PRIMARY AC POWER	X	X				X			
OPEN CIRCUIT	X	X			X				
NAC SHORT	X	X			X				
LOW BATTERY	X	X			X				
EXISTING FIRE ALARM CONTROL PANEL ALARM SIGNAL*	X	X	X	X				X	

* EXISTING DEVICES ON EXISTING PANELS TO FUNCTION AS CURRENTLY INSTALLED.

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DISPLAY AND SOUND EVENT AT CONTROL PANEL DISPLAY AND REMOTE ANNUNCIATOR
 DISPLAY AND SOUND EVENT AT FIREWORKS GRAPHIC CONTROL PANEL
 ACTIVATE FIRE ALARM STROBES
 SEND ALARM SIGNAL TO CENTRAL STATION
 SEND SYSTEM TROUBLE TO CENTRAL STATION
 SEND SUPERVISORY SIGNAL TO CENTRAL STATION
 ACTIVATE SPEAKERS FOR AUDIBLE NOTIFICATION
 SEND ALARM SIGNAL TO EXISTING FIRE ALARM CONTROL PANELS

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WEST VIRGINIA STATE CAPITOL
CAPITOL RESTROOMS
RENOVATIONS/RESTORATIONS

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REV. DESCRIPTION	DATE	BY

Designed by: AFW	Date: 3/21/12	Rev.:	Project No. 117579	
Drawn by: JAC	Cut by:	Drawing code: -	File name:	
Reviewed by:			Plot date: 3/21/12	
Submitted by:			Plot scale:	

WEST VIRGINIA STATE CAPITOL
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FIRE ALARM GENERAL
NOTES, SYMBOLS AND
SEQUENCE OF OPERATIONS

Sheet reference
number:
FA-001