



- ### FIRE ALARM NOTES
1. CONNECT NEW DEVICES TO EXISTING FIRE ALARM SYSTEM. EXISTING FIRE ALARM PANEL IS LOCATED IN "ELEC. ROOM B."
  2. NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
  3. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING FIRE ALARM SYSTEM AND A FULLY OPERATIONAL SYSTEM AT THE COMPLETION OF THE JOB.
  4. DIAGRAM IS NOT INTENDED TO SHOW EXACT WIRING. REFER TO FIRE ALARM MANUFACTURER'S WIRING DIAGRAM.
  5. SEE SPECIFICATIONS FOR EQUIPMENT AND DEVICES.
  6. NEW NAC POWER PANELS SHALL BE A DEDICATED 20A/1P BREAKER. THE BREAKER SHALL BE PAINTED RED AND LOCKABLE.
  7. MANUAL PULL STATIONS, BREAK GLASS TYPE IS NOT AN OPTION.
  8. SMOKE DETECTORS SHALL BE THE PHOTOELECTRIC TYPE.
  9. SMOKE AND HEAT DETECTORS SHALL BE PROTECTED DURING DUSTY/DIRTY CONSTRUCTION CONDITIONS.
  10. DETECTORS SHALL NOT BE INSTALLED WITHIN 36" FROM SUPPLY REGISTERS.
  11. DETECTORS SHALL NOT BE INSTALLED WITHIN 36" FROM THE TIP OF THE BLADE OF A CEILING FAN.
  12. DUCT DETECTORS SUPPLIED, INSTALLED AND WIRED BY FIRE ALARM CONTRACTOR (TYPICAL).
  13. INSTALL REMOTE TEST SWITCH FOR DUCT DETECTORS IN ACCESSIBLE LOCATION. FIRE ALARM CONTRACTOR TO VERIFY LOCATION ON SITE.
  14. FIRE ALARM WIRING SHALL BE IN EMT CONDUIT WHEREVER IT IS EXPOSED BELOW 15' AFF.
  15. E.C. SHALL COORDINATE POWER REQUIREMENTS FOR EXPANSION MODULES WITH FIRE ALARM CONTRACTOR DURING FIRE ALARM SYSTEM INSTALLATION.
  16. DELAYED EGRESS DOORS SHALL UNLOCK.
  17. A SURGE ARRESTER SHALL BE INSTALLED ON ANY FIRE ALARM CIRCUIT EXTENDING OUTSIDE THE BUILDING ENVELOPE.
  18. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. SUPERVISION OF THE SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY THE OWNER.

- ### FIRE ALARM SYSTEM SYMBOL LEGEND
- FIRE ALARM MANUAL PULL STATION
  - FIRE ALARM SMOKE DUCT DETECTOR (SEE MECHANICAL FOR LOCATIONS)
  - SMOKE DETECTOR
  - HEAT DETECTOR
  - SYNCHRONIZED FIRE ALARM A/V DEVICE (SPEAKER/STROBE) WITH SELECTABLE CANDELA UNLESS OTHERWISE SPECIFIED. NOTE: IF SPEAKER/STROBES REQUIRE A 4"x4"x1-1/2" BOX WITH A 1-1/2" EXTENSION COORDINATE WITH E.C.
  - WHITE CEILING MOUNTED SYNCHRONIZED FIRE ALARM A/V DEVICE (SPEAKER/STROBE) WITH SELECTABLE CANDELA UNLESS OTHERWISE SPECIFIED.
  - WHITE CEILING MOUNTED FIRE ALARM STROBE (VISUAL ONLY) WITH SELECTABLE CANDELA UNLESS OTHERWISE SPECIFIED
  - FIRE ALARM STROBE (VISUAL ONLY) WITH SELECTABLE CANDELA UNLESS OTHERWISE SPECIFIED
  - WEATHERPROOF FIRE ALARM A/V DEVICE (SPEAKER/STROBE). NOTE: IF SPEAKER/STROBES REQUIRE A 4"x4"x1-1/2" BOX WITH A 1-1/2" EXTENSION COORDINATE WITH E.C.
  - MAGNETIC DOOR HOLDER
  - RELAY
  - INDIVIDUAL ADDRESSABLE MODULE
  - REMOTE ANNUNCIATOR

### SEQUENCE OF OPERATIONS

SYSTEM INPUTS	SYSTEM OUTPUTS			
	CONTROL UNIT ANNUNCIATION	NOTIFICATION	MONITORING	
MANUAL PULL STATION	X	X	X	X
SMOKE DETECTORS	X	X	X	X
IN-DUCT SMOKE DETECTORS	X	X	X	X
HEAT DETECTORS	X	X	X	X
POWER MONITORING	X	X	X	X
WATERFLOW	X	X	X	X
FIRE ALARM AC POWER FAILURE	X	X	X	X
FIRE ALARM SYSTEM LOW BATTERY	X	X	X	X
OPEN CIRCUIT	X	X	X	X
GROUND FAULT	X	X	X	X
NOTIFICATION APPLIANCE CIRCUIT SHORT	X	X	X	X
ALARM SIGNAL SILENCE	X	X	X	X

## GROUND FLOOR FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

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**Drawing Title**  
**BLDG. #2 - GROUND FLOOR FIRE ALARM PLAN**  
**Approved Project Director**

**Project Title**  
**CONSTRUCT NEW DIETETICS**  
DEPARTMENT OF VETERAN AFFAIRS  
MEDICAL CENTER  
**Location**  
2401 WEST MAIN STREET, MARION, IL 62959  
**Date**  
12-29-2015  
**Checked**  
D.L.S.  
**Drawn**  
P.J.E.

**Project Number**  
657A5-10-101  
**Building Number**  
Building #2  
**Drawing Number**  
**E4**  
Dwg 18 of 21  
**Office of Construction and Facilities Management**  
Department of Veterans Affairs