

FIRE ALARM PLAN SUBMISSION REQUIREMENTS

Effective immediately the following items and information shall be submitted with all fire alarm plans. Any plans that do not comply with these requirements will not be accepted for review. No work shall be performed on the fire alarm system until plans have been reviewed and a permit has been issued.

1. Three sets shall be submitted for review and one set on a pdf file prior to issuing a permit.
 - a. Fire Marshal's Office will retain one set on pdf.
 - b. The Fire Alarm Contractor shall retain one set of approved plans.
 - c. The Fire Alarm Tech shall have one set of approved plans on the jobsite.
 - d. The Fire Alarm Contractor shall provide the business owner on set that will be kept in an as-built cabinet at the fire alarm panel.
2. If you want the three set sent back to you via USPS please provide a self addressed stamped envelop.
3. Plan review application with all of the required information supplied.
4. Floor plan showing:
 - a. The Arkansas Fire Prevention Code being used.
 - b. The applicable NFPA Codes being used. (The most current edition shall be used)
 - c. The address of the installation. (Physical address not area)
 - d. All plans shall be scaled $1/8" = 1'$.
 - e. Identify the circuit classification and style.
 - f. Rooms (identified for use), walls and partitions.
 - g. Mounting heights of initiating devices and indicating appliances.
 - h. Candela rating for strobes.
 - i. Source of primary power (dedicated branch circuit with proper identification and secure from tampering).
 - j. Location of EOLR if used, stating size and capacity of EOLR.
 - k. Wiring arrangement and relays for elevator capture, HVAC shut down, or other system interfaces.
 - l. Minimum and maximum air velocities for HVAC units to determine compatibility with duct mounted smoke detectors.
 - m. Interconnections of fire alarm control panel with offsite transmission of signal.
 - n. A scaled cross-section representation of detector mounting location for door closure service.
 - o. Number and location of phone lines used.
 - p. Location of all FACP, annunciator panels, digital communicator, or other offsite reporting devices.
 - q. A fire alarm matrix and the required "reset" procedures.
 - r. A single line zone riser diagram indicating the zone, number of devices per initiating zone or circuit, and EOLR size and capacity.
 - s. Voltage drop calculations.
 - t. Battery calculations when batteries are used as secondary power supply indicating the total standby duration and alarm duration.
 - u. Sources of secondary power other than battery if used.
5. Manufacturers cut sheets:
 - a. Make, model and type of FACP.
 - b. Make, model, and type of annunciator panels.
 - c. Make, model, and type of all automatic detection devices.
 - d. Make, model, and type of manual pull stations.