



# Peoria Fire Department



## Plan Review Guide for Fire Alarm Systems

*This Plan Review Guide is designed as a baseline contents checklist prior to a detailed fire plan review for the City of Peoria ONLY. It is subject to changes at any time. Fire alarm plan submittals shall be in accordance with the standard plan submittal as provided by the Arizona Automatic Alarm Association. It is designer's responsibility to design the systems complying with the related codes and standards.*

The following items shall be included on the submittals.

### GENERAL INFORMATION ABOUT THE PROJECT

1. \_\_\_\_\_ One copy of Fire Protection Contractor's Business Permit (Issued by Peoria Fire Department).
2. \_\_\_\_\_ One copy of approved site plan and approved engineering design document.
3. \_\_\_\_\_ Indicate if this is a new system/an existing system
4. \_\_\_\_\_ Indicate the design standards
5. \_\_\_\_\_ Square footage of the project
6. \_\_\_\_\_ Occupancy/Usage
7. \_\_\_\_\_ Special occupancy, such as flammable/combustible liquids, aircraft hanger, oxidizers, etc)

### GENERAL PLANS INFORMATION

1. \_\_\_\_\_ Name of owner or occupant
2. \_\_\_\_\_ Name, address and license number(s) of contractor
3. \_\_\_\_\_ Location, including correct street address
4. \_\_\_\_\_ Date of plans (Note: Each revision should be dated)
5. \_\_\_\_\_ Point of compass
6. \_\_\_\_\_ Location of partitions
7. \_\_\_\_\_ Location of fire walls
8. \_\_\_\_\_ Occupancy class/usage of each area or room
9. \_\_\_\_\_ Drawing scale on all plans including reference key
10. \_\_\_\_\_ A legend list with descriptions.
11. \_\_\_\_\_ Conductor and conduit schedules
12. \_\_\_\_\_ Conductor identification
13. \_\_\_\_\_ Matrix of operation
14. \_\_\_\_\_ Standby power, line resistance, and voltage drop calculations
15. \_\_\_\_\_ Cut sheets for all equipment used on the system
16. \_\_\_\_\_ Devices data, such as manufacturer, make and model

### FLOOR PLAN

1. \_\_\_\_\_ Dimensions on floor plan
2. \_\_\_\_\_ Match lines, if applicable
3. \_\_\_\_\_ Locations of walls and doors
4. \_\_\_\_\_ All partitions extending to within 18 inches of the ceiling
5. \_\_\_\_\_ Location of all fire alarm components
6. \_\_\_\_\_ Location of power connections
7. \_\_\_\_\_ Location of control interfaces
8. \_\_\_\_\_ Location of risers
9. \_\_\_\_\_ Location of junction boxes
10. \_\_\_\_\_ Highlight ceiling heights exceeding 10 feet
11. \_\_\_\_\_ Highlight ceiling geometries other than flat
12. \_\_\_\_\_ Type of devices and appliances

### RISER AND WIRING DIAGRAMS

1. \_\_\_\_\_ Building cross section
2. \_\_\_\_\_ Number of risers
3. \_\_\_\_\_ Type and number of circuits in each riser
4. \_\_\_\_\_ Type and number of fire alarm components on each floor
5. \_\_\_\_\_ Riser junction box detail
6. \_\_\_\_\_ Identification and location of all control equipment

7. \_\_\_\_\_ Identification and location of all external power supplies
8. \_\_\_\_\_ Identification and location of all annunciators
9. \_\_\_\_\_ Identification and location of all digital alarm communicator transmitters
10. \_\_\_\_\_ All field wiring terminals and terminal identification
11. \_\_\_\_\_ all circuits connected to field wiring terminals with circuit identification
12. \_\_\_\_\_ All field connections to supervising station signaling equipment, releasing equipment, and fire safety control interfaces
13. \_\_\_\_\_ Typical wiring diagrams for all components