

Bristol Kendall Fire Department
FIRE PREVENTION BUREAU

103 East Beaver Street
Yorkville, IL 60560-1704
Phone: 630-553-6186
Fax: 630-553-1482

FIRE PROTECTION APPLICATION FORM

Date Permit Number

TYPE OF SYSTEM:

Fire Alarm System Sprinkler System/ Type
Cooking Suppression System Other

Location of Installation:

Occupant Class Telephone
Address City St Zip
Contact Person

System Installer:

Company Telephone License#
Address City St Zip
Contact Person

General Contractor:

Company Telephone License#
Address City St Zip
Contact Person

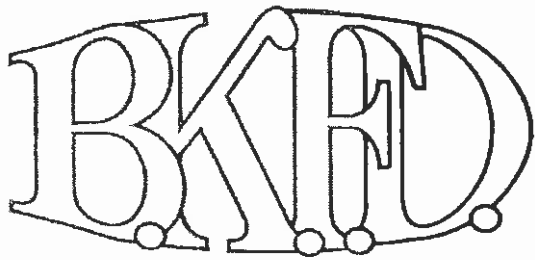
Plan submittals shall include the following information:

Two sets of detailed plans Plan review fee Manufacturer's cut sheets
Any additional information that may be required to complete the plan review

Inspection shall be scheduled with the Fire Prevention Bureau 48 hours in advance. All installing contractors shall be present with completed paperwork for testing and final acceptance. After the second failed inspection / plan review a fee as stated in the permit fee schedule will be charged and collected before continuing. Any work started before permit is issued the fees will be doubled.

OFFICE USE ONLY

Fee Collected \$ CK# BY Date Received



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INFORMATION REQUIRED FOR FIRE ALARM PLAN REVIEW

General Information for Fire Alarm Plan Submittals

To allow for the proper plan review, approval, and issuance of a fire alarm permit, the following minimum requirements must be submitted. The requirements listed below may not be all inclusive for all types of facilities. Additional materials may be requested. Any information listed on the list below that is not submitted initially, will cause a delay in the review time of submitted plans and may lead to disapproval of a plan.

Payment and submittal documents:

A Permit Application Form must be completed for every submittal. **All items must be filled in completely and accurately or plans will not be accepted.**

- A plan review fee must be paid at time of submission or plans will not be reviewed.
- Submit a separate set of plans for each non-contiguous facility.
- Provide a key plan indicating the area of work being performed.
- Provide a detailed description of the scope of the work being performed.
- Detailed drawings shall be completed by NICET III certified personnel.

Size and number of drawings:

- A minimum of two sets of paper drawings. (maximum of four sets)
- Two sets of specifications. One set of specifications shall be submitted on CD/R in PDF, or other common windows based format.
- All plans shall be drawn to scale and the preferred scale utilized shall be a minimum of 1/8 inch equals 1 foot.
- The preferred size of paper plans is 24" x 36"
- Once the plans have been reviewed and approved, one set of plans and one set of specifications will be stamped and returned, unless otherwise specified by the submitter. One other set of plans and the CD will be maintained on file in the Fire Marshal's office **The approved stamped set of plans and specifications must remain on the job site. All drawings must be readily available for inspection.**
- Shop drawings will include, to an extent commensurate with the extent of the work being performed:
 - Floor plan drawings
 - Riser diagrams (except for systems in single-story buildings)
 - Control panel wiring diagrams
 - Point-to-point wiring diagrams
 - Typical wiring diagrams as described below
 - A scope of work for the project.

All shop drawings will include on the drawing the following information:

1. Name of owner and occupant
2. Location, including street address, or physical address
3. Device legend
4. Date
5. If tying into an existing system, any information pertaining to existing fire alarm systems, including manufacturers specification sheets

Floor plan drawings should be drawn to an indicated scale and should include the following information:

1. Floor identification
2. Point of compass
3. Graphic scale
4. All walls and doors
5. All partitions extending to within 0.5 m (18 inches) of the ceiling
6. Room descriptions
7. Fire alarm device/component locations
8. Locations of fire alarm primary power connection(s)
9. Locations of monitor/control interfaces to other systems or building controls
10. Riser locations
11. Point to point wiring diagrams

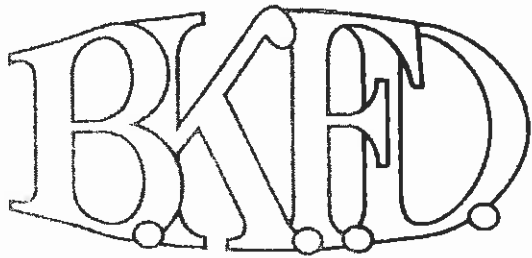
Fire alarm system riser diagrams will include the following information:

1. General arrangement of the system, in building cross-section
2. Number of risers
3. Type and number of circuits in each riser
4. Type and number of fire alarm system components/devices on each circuit, on each floor or level.

Control panel wiring diagrams should be provided for all control equipment (i.e., equipment listed as either a control unit or control unit accessory), power supplies, battery chargers, and annunciator and should include the following information:

1. Identification of the control equipment depicted
2. Location(s) (fire alarm or remote annunciator should be located within ten feet of the main fire department access.)
3. All field wiring terminals and terminal identifications
4. All circuits connected to field wiring terminals, and circuit identifications
5. All indicators and manual controls, including the full text of all labels
6. All field connections to supervising station signaling equipment, releasing equipment, and fire safety control interfaces

Approval of shop drawings is not intended to imply waiver or modification of any requirements of the State Laws or Rules, International Fire Code, the NFPA 72 Code or any other applicable criteria.



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FIRE SPRINKLER PERMIT SUBMITTAL REQUIREMENTS:

A fire sprinkler permit is required for the installation, addition or modification of any fire sprinkler system. Sprinkler systems shall comply with the International Fire Code and NFPA 13, 13R, 13D or other applicable standards.

- Submit **2** sets of plans and **1** set of hydraulic calculations and manufacturer's data sheets for components of the system for review by the Fire Prevention Bureau Office. **An additional set of plans with specifications shall be submitted on CD/R in PDF or other common window based format.**

Plans shall provide the following information:

- Business/Location Name and Street Address
- Property Owner/Rep Name and Contact Information
- Installation Contractor Contact Information and applicable License numbers
- Occupancy Classification(s), Building Construction Type
- Square footage of project area
- Number of risers
- System Type (Wet, dry, pre-action, deluge, antifreeze, etc.)
- Hazard Class
- Area of sprinkler operation and density
- Standpipes (type, location, etc.)
- Scale, date of plans, any revision dates, point of compass, designer information including minimum NICET Level III certification information.
- Location of all wall partitions, firewalls, floor openings, concealed spaces, etc. Clearly label each area/room as to its use or title.
- Site/plot plan indicating location of roads, fire lanes, parking, and building orientation, hydrants, underground piping and location of thrust blocks and valves, and FDC's. Access roads, fire lanes, etc. shall have width dimensions and slope indicated on site plan.
- Information on any backflow preventers or double-check detectors required by water purveyor.
- System design data at each design area. Hydraulic reference points shown on the plan shall correspond with comparable reference on the hydraulic calculations.
- Include full height cross-section and elevations. Include ceiling construction.

- Indicate location and type of inspector test. Show all control valves, switches, and alarm/flow devices.
- Indicate all duct work, ceiling layouts, lighting, diffusers, etc. which may affect the system coverage.
- Show size, type, piping, drainage, location and elevation of: risers, drains, hose outlets, etc.
- Show settings for pressure reducing valves at all levels.
- Legend shall clearly indicate the sprinkler type, temperature, manufacturer, etc. of each head.
- Indicate spacing of sprinklers and number of sprinkler in each story or fire area.
- Indicate type and location of hangers, sleeves, flexible couplings, and braces. Provide location spacing, direction, and calculations on loads for sizing of sway bracing.
- Water flow data that includes date of test, name of parties involved in flow testing, static, residual and flow available.

The above information is needed in order to submit an application for review. Depending on the scope of work, some items may not apply or may be combined. If you have a question on required items, please call (630) 553-6186 ext 119. Read each item carefully and provide all applicable information. **All site plans and civil drawings must be drawn to an engineering or architectural scale (1" = 20' or 1/4" = 1').**