



# Bristol Kendall Fire Department

## FIRE PREVENTION BUREAU

103 East Beaver Street  
Yorkville, IL 60560-1704  
Phone: 630-553-6186  
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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.
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- 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').**