



**Village of
Oak Brook**

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Oak Brook, IL 60523-2255
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Administration
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FAX 630.368.5045

**Community
Development**
630.368.5101
FAX 630.368.5128

**Engineering
Department**
630.368.5130
FAX 630.368.5128

Fire Department
630.368.5200
FAX 630.368.5251

Police Department
630.368.8700
FAX 630.368.8739

**Public Works
Department**
630.368.5270
FAX 630.368.5295

**Oak Brook
Public Library**

600 Oak Brook Road
Oak Brook, IL 60523-2200
630.368.7700
FAX 630.368.7704

Oak Brook Sports Core

Bath & Tennis Club
700 Oak Brook Road
Oak Brook, IL 60523-4600
630.368.6420
FAX 630.368.6439

Golf Club
2606 York Road
Oak Brook, IL 60523-4602
630.368.6400
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The State of Illinois Law now requires that the attached Automatic Fire Sprinkler System Technical Submission Form be completed and returned with any building permit application for any work that is being done in a building that has a fire suppression system.

(225 ILCS 325/3) (from Ch. 111, par. 5203)

(d) A building permit for a building that requires a fire suppression system shall not be issued without the submission of a technical submission prepared and sealed by a licensed design professional.

Fire protection system layout documents do not require an engineering seal if prepared by a technician who holds a valid NICET level 3 or 4 certification in fire protection technology, automatic sprinkler system layout.

An authority having jurisdiction may not accept fire protection system layout documents in lieu of technical submissions. Fire protection system layout documents may be submitted as supporting documents to supplement technical submissions.

However, in the event the fire protection system layout documents materially alter the technical submissions, the authority having jurisdiction shall return both the fire protection layout documents and technical submissions to the licensed design professional for review.

Please **DO NOT** include Technical Submittals with Fire Protection submittals, they are associated with the Building Permit.

Fire Sprinkler Submittal License Requirements- Any Building with Fire Sprinklers

If the building has fire sprinklers, the Technical Submittal is required even if there is NO CHANGE in the system.

Please use the following table to verify the permitted signatories for the two documents: 1) Fire Sprinkler Technical Submittal (always required) and 2) Fire Protection System Layout Documents (Shop Drawings- if installing/changing).

License Document	Architect/P.E.	Licensed Fire Protection Engineer	NICET 3 or 4
Technical Submittal	Signature and Stamp	Signature and Stamp	NOT ALLOWED
Fire Protection System Layout Documents (Shop Drawings)	NOT ALLOWED	Signature and Stamp	Signature

(225 ILCS 325/) Professional Engineering Practice Act of 1989.

Sec. 3. Application of the Act; Exemptions.

(d) A building permit for a building that requires a fire suppression system shall not be issued without the submission of a technical submission prepared and sealed by a licensed design professional. Fire protection system layout documents do not require an engineering seal if prepared by a technician who holds a valid NICET level 3 or 4 certification in fire protection technology, automatic sprinkler system layout. **An authority having jurisdiction may not accept fire protection system layout documents in lieu of technical submissions.**

Fire protection system layout documents may be submitted as supporting documents to supplement technical submissions. However, in the event the fire protection system layout documents materially alter the technical submissions, the authority having jurisdiction shall return both the fire protection layout documents and technical submissions to the licensed design professional for review.

(f) No officer, board, commission, or other public entity charged with the enforcement of codes and ordinances involving a professional engineering project shall accept for filing or approval any technical submissions that do not bear the seal and signature of a professional engineer licensed under this Act.

If you do not have the proper credentials please do not incur additional plan review costs on yourself or your client by submitting improperly.

Completing the Automatic Fire Sprinkler System Technical Submission Form in Illinois involves several key steps. Here's a general guide to help you through the process:

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1. **Project Information:**
 - **Project Name and Address:** Provide the name and address of the project.
 - **Owner and Occupant Details:** Include the names and contact information of the owner and occupant.
2. **Design Professional Information:**
 - **Contact Information:** Provide the name, phone number, and email of the design professional responsible for the project.
3. **Applicable Codes and Standards:**
 - List the relevant codes and standards, such as the 2021 International Building Code (IBC), 2021 International Fire Code (IFC), and National Fire Codes NFPA 10-1194.
4. **Water Flow Test Information:**
 - **Date and Location:** Record the date and location of the water flow test.
 - **Pressure and Flow Data:** Include static pressure, residual pressure, and flow rates.
 - **Water Source and Adjustments:** Note the water source and any seasonal or local adjustments.
5. **Building Information:**
 - **Footprint and Height:** Provide the building footprint in square feet and the building height.
 - **Number of Stories and Floor Heights:** Include the number of stories and floor-to-floor heights.
 - **Basement Information:** Indicate if there is a basement.
6. **System Requirements:**
 - **Fire Pump and Back-up Power:** Specify if a fire pump is required, its GPM, and if back-up power is needed.
 - **Water Storage Tank and Standpipes:** Note if a water storage tank and standpipes are required.
 - **Hose Stations:** Include information about hose stations.
7. **System Type and Hazard Class:**
 - **System Type:** Indicate if the system is wet, dry, pre-action, antifreeze, or other.
 - **Hazard Class:** Describe the use of the area or hazard and its hazard class.
8. **Design Criteria:**
 - **Density and Sprinkler Head Information:** Provide the density, sprinkler head type (K-factor), and sprinkler temperature.
 - **Area and Spacing:** Include the area and spacing per sprinkler head.
9. **Additional Information:**
 - **Special Sprinklers and Commodity Classification:** Use a separate sheet to outline commodity classification, packaging, storage height, storage arrangement, and aisle size.
10. **Professional Signature:**
 - Ensure that all pages are signed, sealed, and dated by a licensed design professional.

For more detailed instructions and to access the form, you can visit the Office of the Illinois State Fire Marshal's website¹.



AUTOMATIC FIRE SPRINKLER SYSTEM TECHNICAL SUBMISSION

Project name _____
Project address _____
Owner _____
Occupant _____
Building Official _____
Fire Official _____

Year of Codes and Standards

NFPA 13 _____ ed. NFPA 13R _____ ed. NFPA 13D _____ ed. Building Code _____
NFPA 14 _____ ed. NFPA 20 _____ ed.
Local amendments applied _____ NFPA 72 _____ Other _____

Water flow test information

Date _____ Location _____ Witness _____
Static pressure _____ psi Residual pressure _____ psi Flow _____ GPM
Source _____ Seasonal or local adjustment _____
Water quality investigation (MIC or other) _____ Results _____
Building footprint _____ square feet Building height _____
Number of stories _____ Floor to floor height _____
Water supply _____ Same as domestic _____ Size _____

Type of pipe which can be used

Risers _____ Bulk main _____
Cross main _____ Branch lines _____

Type of fittings which can be used _____

Backflow device/s required _____

Fire department connection

Type _____ Location _____

Fire pump and controller

Size _____ gpm @ _____ psi Type of drive _____ Voltage _____

Location of service _____ Generator required _____

Water storage tank required _____ Type of tank _____

Location of tank _____ Size of tank _____

Standpipes required

Class _____ Type _____ Location/s _____

Required flows Top most outlet _____ Most remote _____ Total flow _____

Required valves 1 1/2 _____ 2 1/2 _____

1 1/2 " hose required _____

Length of hose _____

Other _____

Page _____ of _____

Signature, seal, date _____

Area # 1 Type of system _____

Description of use of area or hazard _____

Hazard classification _____ Commodity _____

Design criteria _____ gpm over _____ square feet

Area per sprinkler _____ square feet Stand pipe flow _____

Other water flow

Hose _____ gpm Outside hydrants _____ Special _____ gpm

In rack or special sprinklers _____ gpm Total flow required _____

Fire pump required _____ Submit graph sheet _____ gpm at _____ psi

Project name _____

Project address _____

Area # 2 Type of system _____

Description of use of area or hazard _____

Hazard classification _____ Commodity _____

Design criteria _____ gpm over _____ square feet

Area per sprinkler _____ square feet Stand pipe flow _____

Other water flow

Hose _____ gpm Outside hydrants _____ Special _____ gpm

In rack or special sprinklers _____ gpm Total flow required _____

Fire pump required _____ Submit graph sheet _____ gpm at _____ psi

Area # 3 Type of system _____

Description of use of area or hazard _____

Hazard classification _____ Commodity _____

Design criteria _____ gpm over _____ square feet

Area per sprinkler _____ square feet Stand pipe flow _____

Other water flow

Hose _____ gpm Outside hydrants _____ Special _____ gpm

In rack or special sprinklers _____ gpm Total flow required _____

Fire pump required _____ Submit graph sheet _____ gpm at _____ psi

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