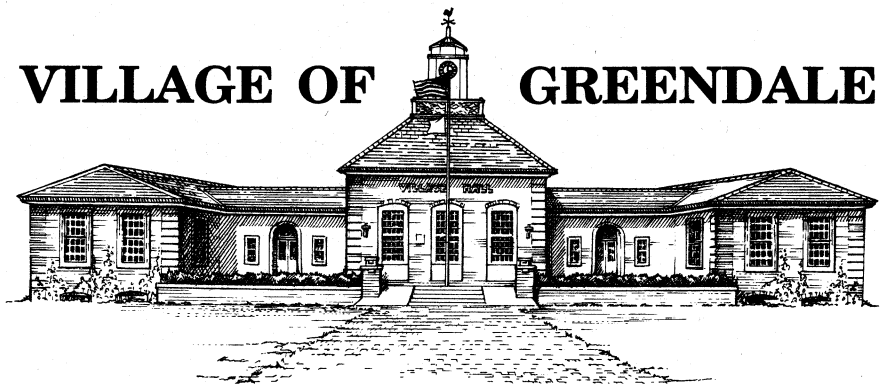




# VILLAGE OF GREENDALE



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P.O. BOX 257  
GREENDALE, WI 53129-0257  
414-423-2100  
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## Fire Protection Plan Review Submittal Notice & FAQ's

The Village of Greendale (Village) is delegated by the Wisconsin Department of Safety & Professional Services for fire protection system plan review and inspection of any size building located in the Village. The Village utilizes Fire Safety Consultants, Inc. (FSCI) as a "third party" agency to conduct **plan review and inspection** for fire protection systems installed in all buildings located in the Village. The plan review procedures listed below shall apply to all fire protection systems except for the following work:

1. Alteration or addition of twenty or fewer sprinkler heads to an existing automatic fire sprinkler system;
2. Alteration or addition of twenty or fewer alarm devices to an existing fire alarm system.
3. Any size project involving work on a hospital, nursing home, hospice facility or Community Based Residential Facility (CBRF). Such reviews shall be done by the Office of Plan Review and Inspection (OPRI) with the State of Wisconsin Department of Health Services (<https://www.dhs.wisconsin.gov/regulations/plan-review/index.htm>).

**NOTE: YOU ARE NOT REQUIRED TO SUBMIT YOUR PLANS TO THE STATE OF WISCONSIN DEPARTMENT OF SAFETY & PROFESSIONAL SERVICES (DSPS). EXCEPT AS NOTED ABOVE, ALL FIRE PROTECTION PLANS SHALL BE SUBMITTED TO FSCI. FSCI SHALL ALSO BE CONTACTED TO CONDUCT ALL INSPECTIONS ASSOCIATED WITH FIRE PROTECTION SYSTEMS THEY REVIEW FOR THE VILLAGE OF GREENDALE.**

Fire protection systems as identified in 1. & 2. above shall be submitted directly to the Village of Greendale Department of Inspection Services for both plan review and inspection.

**All other fire protection project plans shall be submitted directly to:**

**Fire Safety Consultants, Inc.**  
2420 Alft Lane  
Elgin, IL 60124  
(847) 697-1300 (office)  
(847) 697-1310 (fax)  
info@firesafetyfsci.com  
<http://www.firesafetyfsci.com/fire-protection-submittals/>

**NOTE: A MINIMUM OF FOUR (4) COMPLETE SETS OF CONSTRUCTION DOCUMENTS (SCALED DRAWINGS, EQUIPMENT DATA SHEETS AND CALCULATIONS) SHALL BE SUBMITTED TO FSCI ALONG WITH A COMPLETED/SIGNED DSPS SBD-118 PLAN REVIEW APPLICATION (<http://www.greendale.org/SBD118.pdf>).**

**What are the Fee's charged for reviews and what do the fees include?**

Fees charged for plan reviews are based on the current fee schedule approved by the Village which are itemized on the Greendale Plumbing (sprinklers) and Electrical (alarms) Permit Applications **plus** fees charged by FSCI. Please contact FSCI to receive a quote for fees on your project. Greendale permit applications are available at [www.greendale.org](http://www.greendale.org).

Fees charged by FSCI include four (4) field inspection trips. Additional trip(s) will be charged as a reinspection fee as described on the Plumbing Permit form. Please contact FSCI directly to schedule field acceptance tests. Allow sufficient lead time when scheduling field tests. **NOTE: FSCI requires a minimum of 72 hours notice.**

Applicants are advised that plans will not be reviewed until the plan review fee has been received by FSCI. **Typical review time is 7-10 working days.** If requested, an expedited review can be performed for twice the normal fee. Expedited reviews should be completed within three (3) working days.

**Where should plan submittal be sent?**

Submittals shall be sent directly to Fire Safety Consultants at the following address:

**Fire Safety Consultants, Inc.**  
2420 Alft Lane  
Elgin, IL 60124

**What should be done after the plans are approved by FSCI?**

Return three (3) copies of the FSCI approved plans to the Village along with the Plumbing Permit Application (sprinklers) or Electrical Permit Application (alarm/detection systems) along with proper fees. Two (2) copies of the FSCI approved plans will be returned to the applicant along with the approved permit.

## **What should be included in the submittal package?**

Submittal drawings and specifications shall include the following items:

### **1. Underground Submittals**

All design submittals for underground fire service water supply systems shall include information outlined in NFPA 13 (2013) chapter 24, NFPA 24 (2013) chapter 4, IFC (2015) section 501.3 and Appendix B or hydraulic calculations to provide a minimum of 1,250 GPM with a residual pressure of 20Psi whichever is greater. Hydraulic calculations shall include a water flow test report from the Village of Greendale Water Utility using the low water deduction.

**NOTE: The location of all private fire hydrants shall be approved by the Village of Greendale Fire Chief prior to plan submittal to FSCI.**

### **2. Aboveground Fire Sprinkler System Submittals**

All design submittals for aboveground fire sprinkler systems shall include all required information outlined in NFPA 13 (2013) and the Wisconsin Commercial Building Code (2015 ICC Codes).

**NOTE: The location of the Fire Department Connection shall be approved by the Village of Greendale Fire Chief prior to plan submittal to FSCI**

### **3. Fire Alarm System Submittals**

All submittals for fire alarm systems shall be designed in accordance with NFPA 72 (2013) as referenced by the Wisconsin Commercial Building Code (2015 ICC Codes).

**NOTE: The alarm panel locations must be approved by the Village of Greendale Fire Chief prior to plan submittal.**

### **4. Commercial Kitchen Wet Chemical System Submittals**

Commercial kitchen Wet Chemical submittals shall include all of the required information as outlined in NFPA 17A (2013) chapter 6 as referenced by the Wisconsin Commercial Building Code (2015 ICC Codes).

### **5. Clean Agent Gas Suppression System Submittals**

All submittals for a Clean Agent Gas Suppression system shall be designed in accordance with NFPA 2001 (2015) as referenced by the Wisconsin Commercial Building Code (2015 ICC Codes).

### **6. Other Fire Protection Systems**

All other fire suppression and/or detection systems shall be designed in accordance with the applicable NFPA Standard and the Wisconsin Commercial Building Code (2015 ICC Codes).

**7. Are there any special requirements for sprinkler systems?**

- a) Inside hose connections for storage buildings are to be placed at the main doors that lead directly to the outside. The hose system is not required to be calculated but shall be designed with 1½" pipe and the GPM requirements shall be accounted for in the hydraulic calculations.
  
- b) Building standpipe systems shall be of the wet manual design. Standpipe systems are not required to be calculated. However, the water supply requirements for such systems shall be included in the underground capacity calculation and the sprinkler system demand and calculations.

Revised 4/27/18