



Village of Orland Park

14700 S. Ravinia Avenue

Orland Park, IL 60462

Building Division

(708)-403-5300, Fax (708)-403-6215

Automatic Sprinkler System Plan Review Submittal Information

By completing this checklist and including all of the information requested, it will provide an efficient and appropriate turnaround time of the plans submitted. It is the responsibility of the installer/designer to assure that all applicable code requirements are followed. The installation, renovation, addition, and/or maintenance of any sprinkler system shall comply with the following:

Plan Reviews:

- No work shall be performed until the plans have been reviewed and approved.
- Checklist (All plans submitted must contain the following)
 - A contractor's License to be able to work within the city limits of Orland Park.
 - The contractor must be licensed to install the sprinkler system with the Illinois Office of the State Fire Marshal.
- Sprinkler System Drawings:
 - Submit sprinkler system drawings to the Village of Orland Park, Building Division, 14700 Ravinia Avenue, Orland Park, IL 60462-3110.
 - Submit 4 complete sets of sprinkler systems drawings and cut sheet / product information. The scaled drawings must include the following:
 - Title block to include the following information: property name and address, construction type, use group, square footage, number of stories, building height, current codes, sprinkler company name / contractor name, address and phone number, date of drawing with space for revision dates, classification of the system per NFPA 13, who drew the drawing, and a detailed scope of work.
 - All hydraulic node points shall be shown clearly on the drawing.
 - The specific type and quantity of sprinklers shall be provided on every page.
 - All ceiling information including soffits, heights, construction type, slope, etc. shall be shown and noted with cross section detailed on the plans.
 - Specific code sections and storage information shall be provided for all design densities over an Ordinary Group II.
 - Provide a scaled site plan clearly showing the building fire department connection location and fire hydrant locations.

- Drawings need to be clear, legible and understandable. Drawings must be of a sprinkler system design only.
 - Plans for the addition of seven (7) sprinkler heads or more, or the relocation of twenty-one (21) sprinkler heads or more should show piping and all existing sprinkler head locations.
 - Provide an owners certificate in accordance with section 4.3, NFPA 13, 2002.
- As built sprinkler plans shall be submitted for the following:
 - All renovated systems relocating twenty (20) sprinkler heads or less.
 - All renovated systems adding six (6) sprinkler heads or less.
- Calculations:
 - Hydraulic calculations should reflect the required and available pressures on the system, all applicable remote areas, as well as indicating a safety factor, clearly show the friction loss for the backflow preventer and include a graph curve sheet.
 - Fire hydrant flow test information shall be dated and less than one (1) year old.
- Specification Sheets:
 - Component cut-sheets to include sprinkler heads with current SIN#, valves, piping, hose connections, check valves and pressure reducers.
- Plan review questions should be forwarded to the Building Division at (708) 403-6224.