

ORLAND FIRE PROTECTION DISTRICT

SPRINKLER SYSTEM PLAN

SUBMITTAL CHECKLIST

This checklist is an effort to help provide a uniform approach for the design community and to provide owners and sprinkler system designers with complete sprinkler system design and submittal package requirements.

When submitting plans for review, all plan submittals must include this Sprinkler System Plan Submittal Checklist or they will not be accepted. By completing this checklist and including all of the information requested, it will provide 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. (Check the Village Code to find the current standards.) All plans that are rejected and resubmitted will have additional fees charged for plan review.

The installation, renovation, addition, and/or maintenance of any sprinkler system shall comply with the following:

IMPORTANT

- **No installation work shall be performed until the plans have been reviewed and approved.**
- **Expect up to ten (10) working days for plan reviews per submittal.**

CHECKLIST (All plans submitted must contain the following:)

- Proof of Contractor's License to be able to work within the city limits of Orland Park, Orland Hills, and unincorporated Orland Township.
- Must be licensed to install Sprinkler Systems with the Illinois Office of the State Fire Marshal.

SPRINKLER SYSTEM DRAWINGS

- Must submit Sprinkler System drawings to the Orland Fire Protection District, Fire Prevention Bureau, 9788 W 151 St, Orland Park, IL 60462-3110. Any questions please contact the Bureau at (708) 349-0074.
- **Must submit 4 complete sets of sprinkler systems drawings and one on CD in PDF format**, and cut sheet/product information. The scaled drawings must include the following:
 - Title block to include the following information: Property name and address, 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.

CALCULATIONS

- Hydraulic calculations shall 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

All pertinent information shall be highlighted on the sheet. Please provide cut sheets for all devices installed.

- All sprinklers, valves, etc shall be included on the cut sheets.

ROUGH INSPECTION

- A rough inspection of all sprinkler piping shall be done by the Orland Fire Protection District prior to the installation of drywall and/or ceiling materials.

TESTS

- A flush of the underground water mains must be made prior to the connection to the sprinkler system. All tests must be witnessed by the Orland Fire Protection District.
- All underground and overhead systems and piping should be hydrostatically tested with water at not less than 200 psi for two hours. This test must be witnessed by the Orland Fire Protection District.
- When the system is complete a 2-inch main drain test must be completed and must be witnessed by the Orland Fire Protection District.
- When the system is completed a wet system inspectors test must be completed and the inspectors test report must be provided to the Orland Fire Protection District.

FINAL INSPECTION

- No acceptance testing will be conducted prior to completion of construction. A minimum of two (2) working days is needed to schedule test.
- Final acceptance is subject to Field Inspection.
- Re-inspection fees will be charged for re-inspections needed due to incomplete systems and/or failure to follow the above rules.
- An appointment needs to be scheduled to have the final inspection completed.
- The contractor must provide the Orland Fire Protection District with a certificate stating that the fire protection systems are installed in full compliance with NFPA standards, IBC/IFC requirements, and that all acceptance tests have been conducted. This certificate must be presented to the Fire Inspector at the time of the final hydrostatic/acceptance test.