



Fire Sprinkler System Installation Checklist

Pre-Installation Planning & Permits

Activities related to planning, design review, and obtaining necessary approvals before any physical installation begins.

Project Start Date

Project Description & Scope of Work

Authority Having Jurisdiction (AHJ)

- ☐ Local Fire Marshal
- ☐ City Fire Department
- ☐ State Fire Marshal
- ☐ Other (Specify in LONG_TEXT)

Approved Sprinkler System Shop Drawings

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Permit Number

Enter a number...

Permit Status

- ☐ Applied For
- ☐ Approved
- ☐ Pending Review
- ☐ Rejected

Notes on Permit Approval/Rejection

Write something...

Site Preparation & Layout

Tasks involving site clearing, excavation, and initial layout for sprinkler system components.

Existing Utility Location Verification

Write something...

Sprinkler System Layout Marked on Site

 [Set My Current Location](#)



Elevation Difference for Pipe Slope (if applicable)

Enter a number...

Ground Condition Assessment (e.g., stable, unstable, rocky)

- ☐ Stable
- ☐ Unstable
- ☐ Rocky
- ☐ Sandy

Date of Site Survey/Layout Verification

Enter date...

Notes on Site Preparation (e.g., obstructions, access limitations)

Write something...

Pipe Installation & Support

Installation of piping, including cutting, threading, welding, and securing pipes with appropriate hangers and supports.

Pipe Diameter (inches)

Enter a number...

Pipe Material Thickness (schedule)

Enter a number...

Pipe Material Type

- ☐ Steel (Black)
- ☐ Steel (Galvanized)
- ☐ CPVC
- ☐ PEX
- ☐ Other (Specify in LONG_TEXT)

If 'Other' Pipe Material Selected, Please Specify:

Write something...

Number of Pipe Hangers Installed

Enter a number...

Hanger Spacing Verified?

☐ Yes

☐ No

If Hanger Spacing Not Verified, Explain:


Write something...

Pipe Alignment Verified?

☐ Yes

☐ No

Pipe Installation Photos

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Sprinkler Head Installation

Correct placement and securing of sprinkler heads, ensuring proper orientation and spacing.

Sprinkler Head ID (Sequential)

Enter a number...

Sprinkler Head Type

- ☐ Standard Spray
- ☐ Pendent
- ☐ Sidewall
- ☐ Concealed
- ☐ Upright

Sprinkler Head Orientation

- ☐ Upward
- ☐ Downward
- ☐ Horizontal

Sprinkler Head Temperature Rating (degrees F)

Enter a number...

Sprinkler Head Location (Grid Coordinates or Description)

 [Set My Current Location](#)



Manufacturer & Model Number

Write something...

Distance from Wall (inches)

Enter a number...

Sprinkler Head Condition (Post Install)

- ☐ Satisfactory
- ☐ Minor Defect - Notified
- ☐ Major Defect - Rework Required

Notes/Comments regarding installation

Write something...

Riser Installation

Installation of vertical piping (risers) connecting the water supply to the sprinkler system distribution.

Riser Pipe Diameter (inches)

Enter a number...

Riser Material Type

- ☐ Steel
- ☐ CPVC
- ☐ Galvanized Steel
- ☐ Other

Number of Risers Installed

Enter a number...

Riser Location (coordinates/description)

 Set My Current Location



Riser Installation Completion Date

Enter date...

Details of Riser Support System (type, spacing)

Write something...

Riser Insulation Type (if applicable)

- ☐ None
- ☐ Fiberglass
- ☐ Foam
- ☐ Other

Hydrostatic Test Pressure (PSI)

Enter a number...

Control Valve & Alarm Panel Installation

Installation and connection of the control valve, alarm panel, and related electrical components.

Control Valve Size (inches)

Enter a number...

Control Valve Type

- ☐ OS&Y
- ☐ Butterfly
- ☐ Gate
- ☐ Ball

Alarm Panel Model Number

Alarm Panel Wiring Diagram Verification Notes

Write something...

Alarm Panel Programming Completion Date

Enter date...

Supervisory Switch Settings (PSI)

Enter a number...

Tamper Switch Functionality Test Result

☐ Pass

☐ Fail

☐ NA

Control Valve Labeling Verification (Yes/No)

Write something...

Fire Department Connection (FDC)

Installation and testing of the FDC, ensuring proper connection and functionality.

FDC Connection Size (inches)

Enter a number...

FDC Valve Type

- ☐ Butterfly Valve
- ☐ Gate Valve
- ☐ Other (Specify)

If 'Other' valve type selected, specify:

Write something...

FDC Signage Present & Visible?

- ☐ Yes
- ☐ No

If 'No' signage present, provide explanation:

Write something...

Date of FDC Inspection

Enter date...

Time of FDC Inspection

FDC Pressure (PSI)

Upload Photo of FDC Installation

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System Testing & Flushing

Comprehensive testing of the system, including hydrostatic testing, flow testing, and flushing to remove debris.

Hydrostatic Test Pressure (PSI)

Hydrostatic Test Duration (Minutes)

Flow Test Pressure (PSI)

Flow Rate (GPM)

Flush Water Clarity

- ☐ Clear
- ☐ Slightly Cloudy
- ☐ Cloudy

Notes on Flush Water Clarity (if not Clear)

Write something...

Hydrostatic Test Date

Enter date...

Hydrostatic Test Time

Hydrostatic Test Record/Graph

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Documentation & As-Built Drawings

Creation and review of as-built drawings and all necessary documentation for system recordkeeping.

Original System Design Drawings

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Permit Documentation (Approved Plans, Inspection Reports)

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Description of Deviations from Original Design (if any)

Write something...

As-Built Drawings (Signed and Dated)

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Date of As-Built Drawing Completion

Enter date...

Hydrostatic Test Pressure (in PSI)

Enter a number...

Hydrostatic Test Duration (in minutes)

Enter a number...

Contractor Representative Signature

Owner/Client Representative Signature