



# Plan Requirements: Fire suppression permit applications

## Overview

The Department of Licenses and Inspections (L&I) reviews plans submitted with permit applications for new installations, extensions, alterations, removals, and replacement of wet, dry, or chemical fire suppression systems. Review the information below before submitting plans for review.

## Plan sheet size and material

- Minimum Sheet Size: 18 in. x 24 in.
- Maximum Sheet Size: 36 in. x 48 in.
- Print plans on white, standard-weight, bond type paper.

## Acceptable drawing scales

- Architectural Scale: ¼ in. = 1 ft.-0 in.
- Larger scales may be used. If a smaller scale is used, the plans examiner may reject your plans.

## Minimum requirements

- Must be of professional quality and drawn to scale. Free-hand sketches will **not** be accepted.
- Printed plans must be in ink and in grayscale. Pencil drawings will **not** be accepted.
- Include a title block with sheet number and project address.
- Floor plan layout must be consistent with any associated building permit approval.
- System layout, design areas, remote heads, and hydraulic nodes consistent with calculations.
- Pipe materials and sizes, including diameter and length.
- Head types and locations, including table summary of quantity, manufacturer, model, and K-factor.
- Riser diagram.
- Pump information (if applicable).
- Standpipe sizes, locations, and connections (if applicable).
- Fire Department connections.
- Backflow devices.
- Building section with heights above and below ground.

## Design professional signature and seal

The signature and seal of a PA-licensed professional engineer is always required on fire suppression plans.

## Prerequisite approvals

Plans included with your fire suppression permit application package may require approvals from other departments or agencies.

### L&I Permit and License Center

1401 John F. Kennedy Blvd., Municipal Services Building, Public Service Concourse  
Open 8 a.m. to 3:30 p.m., Monday through Friday. Offices close at noon on the last Wednesday of each month.