

Plan Requirements:

Plumbing permit applications

Overview

The Department of Licenses and Inspections (L&I) reviews plans submitted with plumbing applications for new installations, additions, and alterations to existing plumbing systems and fixtures. Not all scopes of work may require the submission of plans. Review the information below before submitting any 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.

Minimum requirements

- Plan layouts for each floor showing water distribution and drain-waste-vent piping and all details, and pipe sizes with fixture unit load. Identify method of water pipe sizing used.
- Floor plans should include room names/numbers for each floor.
- On one-story or more buildings, provide isometric diagrams or schematic riser diagrams for supply and waste/vent piping, and clearly identify risers. Show where riser base terminations connect to the building drain (along with all interconnected piping on each floor plan). All pipe sizes must be clearly defined.
- Include interceptors as applicable (grease, oil, lint, acid, or sand) and size by flow rate, manufacturer, and model number.
- Include fixture and equipment schedule showing fixture number, detailed, description, hot/cold water, waste, and vent connection sizes, and other related information.
- Identify all fixtures on floor plan and on riser diagram.
- Show water, sanitary drain-waste-vent piping and storm leaders/drains, indicating sizes and materials for above and below grade installations.
- Indicate slope of horizontal sanitary and storm drains.
- Indicate roof drains and emergency roof drains/scuppers with the areas they impact where required.
- Site plans must:
 - Be submitted for residential development of three or more homes, and all other new construction.
 - Show domestic water, fire, and irrigation services.
 - Show the location of water meters.
 - Show backflow protection location and type and include a CP-100 form from the Philadelphia Water Department (PWD).
 - Show the sanitary sewer service from building to point of disposal as approved by PWD (or the Health Department for private sewage).
- For uses that include food preparation:
 - Show locations of grease traps or interceptors, hand washing sinks, garbage grinders, and mop water discharge.
 - Separations or barriers used to protect food-contacted surfaces from potential sources of contamination.

Professional engineer signature and seal

All plans must be signed and sealed by a PA-licensed engineer unless:

- Cost of work does not exceed \$25,000.

Prerequisite approvals

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