Overview
The Department of Licenses and Inspections (L&I) reviews plans submitted with permit applications for installation of new and modified existing electrical systems, including fire alarms, fire pumps, generators, solar panels, and low-voltage telecommunication wiring. 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.
- All rooms and spaces shall be labeled with their uses (e.g., bedroom, kitchen, office, utility, storage, etc.).
- Sizes and locations of all rooms, doors, windows, stairways, corridors, etc., must be shown.
- Ceiling types/ratings and height of the rooms must be shown.
- Wall and partition types/ratings and locations must be identified (e.g., 8 in. cement masonry block wall, plaster ceilings, etc.).
- Panel schedules.
- Load calculations.
- Locations of all receptacles and devices.
- For Fire Alarm Systems:
  - Detailed single line plan with device settings, equipment and device specifications, and circuiting conductor sizes and types.
- For Generators:
  - Transfer switch details.
- For Fire Pumps
  - Service connection details, pressure maintenance pump with detail, and conductor size and type.
- For Solar Panels
  - Detailed single line plan, equipment and overcurrent devices and sizes, conductor size and type, interconnection detail, and label detail.

Professional engineer signature and seal
When the work in your plan meets any of the following conditions, they must be signed and sealed by a PA-licensed engineer:
- Any installations where the connected load is 100 kw or 400 amps or more.
- When upgrading service in existing building when load is 100 kw or 400 amps or more.
- Alterations that involve a change in occupancy class or a change in the path of egress. Hospitals, gasoline stations, and special occupancies, including Articles 490 & 500-503 – when the connected load is 50 kw and/or 200 amps or more.

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