

ELECTRICAL PLAN REVIEW REQUIREMENTS

CITY OF RENTON
Development Services Division
1055 South Grady Way, Renton WA 98057
Phone: (425) 430-7200

Plan review required for: Service over 400 Amps, Hospitals, Schools, Institutions, Nursing Homes, and Assisted Living Facilities.

ITEMS REQUIRED FOR ELECTRICAL PLAN REVIEW SUBMITTAL

- 1. **Completed Electrical Permit Application** with two full sets of electrical plans, a written description of the full scope and nature of electrical installation.
- 2. Indicate building use (or portion of) per WAC 296-46B-900-(1).
- 3. Professional Engineer's stamp and signature shall be on all plan sheets for the following types of facilities: Educational, Hospitals, Institutional, Nursing Homes, and other medical facilities that require review by the Department of Health.
- 4. Symbol legends.
- 5. Circuit connecting lines with home runs shown for all equipment, lighting, and receptacle symbols.
- 6. One line riser diagram to Service Point. Identify all service and feeder conductors, including conductor size, material, insulation, and overcurrent protection. Conduit size, number, and type. Also show location of all items on the one-line/riser diagrams. Show transformer primary/secondary voltage and KVA size.
- 7. Provide panel and switchboard schedules showing overcurrent protection, conductor size, insulation, type, and branch circuit loads.
- 8. Provide load calculations for all panel boards and other distribution equipment affected by the electrical work being done. Include total connected load, demand factors, and calculated loads.
- 9. Provide available fault current at service equipment, equipment AIC ratings, let through current rating, and equipment bracing.
- 10. Provide accurate name, phone number (including area code), and email address for contact person for electrical plan review questions.
- 11. Verify the street address (inspection address) for this project.
- 12. Floor plan views including lighting schedule and energy code switching requirements (occupancy sensors, daylighting, automatic shut off controls, photosensors) of electrical installation or alteration.
- 13. Adequate capacity and rating shall be indicated when existing service feeder has additional loads added.
- 14. Indicate if service or feeder is to be altered or installed.