



## Planning and Community Development Department

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### ELECTRICAL PLAN REVIEW

#### WHEN IS IT REQUIRED?

Electrical Plan Review is required per WAC 296-46B-900, for work in educational, institutional, or health care facilities/buildings.

#### Is the proposed work taking place in a building of the following occupancy?

See WAC 296-46B-900 for definition of occupancies.

Educational..... ☐ YES ☐ NO

Institutional..... ☐ YES ☐ NO

Health care facilities/buildings..... ☐ YES ☐ NO

If you checked no to all of the above, the permit application will be processed over the counter as subject to field inspection; electrical plan review is not required. **Note:** Plans and/or diagrams may be required on-site during the inspection process depending on scope of work per WAC rules.

If you checked yes to any of the above, electrical plan review is required for all new or altered electrical projects, unless you meet an exemption below. Electrical plan review must be completed prior to permit issuance and commencement of work. **Note:** Electrical plans must comply with WAC 296-46B-900. All electrical plans for educational facilities, hospitals, and nursing homes must be prepared by, or under the direction of, a consulting engineer registered under chapter 18.43 RCW, and chapters 246-320, 180-29, and 388-97 WAC and stamped with the engineer's mark and signature.

#### If work is taking place in an education, institutional or health care facility/building, does the proposed work meet an electrical plan review exemption?

(i) Low voltage systems..... ☐ YES ☐ NO

(ii) Lighting specific projects that result in an electrical load reduction on each feeder involved in the project ..... ☐ YES ☐ NO

(iii) Heating and cooling specific retrofit projects that result in an electrical load reduction on each existing feeder involved in the project, provided there is not a corresponding increase in the available fault current in any feeder ..... ☐ YES ☐ NO

(iv) Stand-alone utility fed services that do not exceed 250 volts, 400 amperes where the project's

distribution system does not include: **(A)** Emergency systems other than listed unit equipment per NEC 700.12(F); **(B)** An essential electrical system defined in NEC 517.2; or **(C)** A required fire pump system.

..... ☐ YES ☐ NO

(v) Modifications to existing electrical installations where all of the following conditions are met: **(A)** Service or distribution equipment involved is rated not more than 400 amperes and does not exceed 250 volts or for lighting circuits not exceeding 277 volts to ground; **(B)** Does not involve emergency systems other than listed unit equipment per NEC 700.12(F); **(C)** Does not involve branch circuits or feeders of an essential electrical system as defined in NEC 517.2; and **(D)** Service and feeder load calculations are increased by 5% or less..... ☐ YES ☐ NO

If you checked yes to one of the above, electrical plan review is not required. **Note:** For installations outlined in items (ii), (iii), and (v) above to be considered, the following must be available to the electrical inspector before the work is initiated: **(A)** A clear and adequate description of the project's scope; **(B)** A load calculation(s); **(C)** What the load changes are, providing both before and after panel schedules as needed; and **(D)** Provide information showing that the service and feeder(s) supplying the panel(s) where the work is taking place has adequate capacity for any increased load and has code compliant overcurrent protection for that supply.

Please visit [WAC 296-46B-901 General-Electrical work permits and fees. Permit - Requirements for. \(7\)](#) for a list of electrical work exempt from permits.