

**WAC 296-127-01323 Inside wireman electrician.** For the purpose of the Washington state public works law, chapter 39.12 RCW, inside wireman electricians plan the layout, install and repair conduit, wiring, electrical fixtures, apparatus, and control equipment in buildings and adjacent yards to provide electricity for power and lighting.

(1) They assemble, install and maintain all electrical lighting, electric heating and cooling equipment, standby motor generators, electric heat pumps, under-floor duct and luminous ceilings.

They install, repair and maintain highway and street lighting systems and highway and street traffic signal systems.

The work includes, but is not limited to:

- The handling and moving of any electrical materials, equipment and apparatus on the job site.

- Welding, burning, brazing, bending, drilling and shaping of all copper, silver, aluminum, angle iron and brackets to be used in connection with the installation and erection of electrical wiring and equipment.

- Measuring, cutting, bending, threading, forming, assembling and installing of electrical conduit, using such tools as hacksaw, pipe threader and conduit bender.

- Pulling wiring through conduit.

- The installation of conduit and interduct raceways for fiber optic cable and the pulling of fiber optic cable through these raceways, except telephone conduit and cable.

Cutting holes in floors and walls for electrical conduit:

- With point and hammer.

- Core-drilled.

- Chasing and channeling necessary to complete any electrical work, including the fabrication and installation of duct and manhole forms incidental to electrical installation.

- Splicing wires by stripping insulation from terminal leads with knife or pliers, twisting or soldering wires together and applying tape or terminal caps.

- Installation and maintenance of lighting fixtures.

- Connecting wiring to lighting fixtures and power equipment.

Assembling and installing of conduit switches, relays, junction boxes, circuit breaker panels, and related accessories and controls.

- Testing continuity of circuit to insure electrical compatibility and safety of components.

- All cleanup required in connection with electrical work.

(2) The following power line construction classifications may assist journeymen wireman in the installation, repair and maintenance of highway and signal lighting systems and highway and street traffic signal systems:

(a) Groundmen.

- Performs the following tasks:

- Manual digging of pole holes, anchor holes and trenches.

- Assembles and erects fixtures.

- Assists in framing of poles, pulling guys.

- Tamping and compacting.

- Driving of 1/2 or 3/4 ton pickup truck.

(b) Head groundman.

- Performs the following tasks:

- Manual digging of pole holes, anchor holes and trenches.

- Assists in framing of poles, pulling guys.

- Assembles and erects fixtures.

- Tamping and compacting.

- Driving of 1/3 or 3/4 ton pickup truck for materials or man haul.

(c) Line equipment operators. Operate caterpillars, trucks equipped with winch and/or boom, hydraulically operated backhoes with or without front end loaders, mounted booms, and any other equipment that does not come within the scope of heavy equipment operators.

(d) Heavy line equipment operators. Operate any piece of equipment which, in accordance with manufacturer's recommended specifications is capable of operating with one hundred or more aggregate feet of boom, be it crane, backhoe or clam shell, drag line, or shovel.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.270 and 43.22.051. WSR 00-15-077, § 296-127-01323, filed 7/19/00, effective 7/19/00.]