

Specifications
for the Class:

ELECTRICIAN I

Distinguishing Characteristics

This class reflects the fully competent worker level in the series.

An Electrician I independently performs a variety of skilled electrical work in the repair, maintenance and installation of electrical systems and equipment as a regular and continuing assignment, and may supervise one or more helpers assisting in the work.

This class differs from the Electrician Helper which performs duties that are essentially routine and repetitive, as well as manual and semi-skilled, and assists, under the supervision of a licensed electrician, in the repair, maintenance and installation of electrical systems and equipment.

This class differs from the Electrician II in that the Electrician I performs skilled electrical work in the repair, maintenance and installation of electrical systems and equipment and may occasionally lead the work of other skilled Electricians but mainly confines supervision to electrician helpers and other semi-skilled or unskilled workers; whereas the Electrician II, in addition to performing skilled electrical work as the major work assignment, supervises the work of skilled electricians as a continuing work assignment including setting the pace and quality of work.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all of the duties that may be assigned. The omission of specific statements does not preclude the assignment of such duties if they are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

Installs conduits, transformers, traffic signals, airport signaling systems, pull boxes, and switches from drawings and blueprints; services and repairs pumps, motors, generators, switchboards, oil circuit breakers, and various other types of electrical equipment and apparatus; repairs and replaces broken or defective parts in motors, switches, and fixtures; tests, locates, and repairs trouble in electrical circuits and equipment; replaces fuses and incandescent and fluorescent lights; plans electrical installations; traces and diagrams wiring circuits; inspects traffic signal, street lighting, and airport lighting systems; reads blueprints and compiles materials list; may assign

tasks to electricians and supervise the work of helpers; may assist in other related trades when not utilized as an electrician.

Minimum Qualification Requirements

License Required: Applicants must possess a valid State of Hawaii Journey Worker Electrician License, Journey Worker Industrial Electrician License, Supervising Electrician License, or Supervising Industrial Electrician License.

Knowledge of: Practices and methods used in the electrical trade, including safety procedures and electrical code; tools, equipment and materials used in the electrical trade.

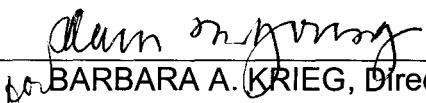
Ability to: Use hand and power tools common to the electrical trade; read and interpret blueprints, sketches, manuals and other materials; recognize hazards typical of the work; estimate time and materials needed to complete a job; understand and follow oral and written instructions; perform heavy lifting, moving and other manual work typical of the class.

Physical and Medical Requirements

Applicants must be able to perform the essential functions of the position effectively and safely, with or without reasonable accommodation.

This is an amendment to the specifications for the class ELECTRICIAN I, which were approved on November 9, 1993.

DATE APPROVED: 7/16/2012



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Department of Human Resources Development