

LANCASTER COUNTY
MAINTENANCE ELECTRICIAN

4871

NATURE OF WORK

This is skilled electrical work in the maintenance, repair and installation of electrical systems, appliances and equipment.

Work involves responsibility for the performance of skilled electrical work including repairing, maintaining and installing electrical systems and equipment; performing electrical testing and analysis to determine voltage, amperage and related test data using a variety of instruments to determine electrical requirements and any malfunctions; maintaining and repairing motors, pumps, compressors, air handling and related electrical equipment; and maintaining and repairing ovens, fans, kitchen equipment and related electrical appliances. Work also involves modifying existing power supply systems to install new electrical circuitry for power outlets, computer systems, light fixtures, alarms systems, call lights and related items. An employee in this class is expected to comply with all applicable electrical code and safety requirements pertaining to the electrical work performed. General supervision is received from a technical or administrative superior with work being reviewed in the form of periodic inspections and compliance with accepted safety standards.

EXAMPLES OF WORK PERFORMED

Modify existing power supply systems to install new electrical circuitry, light fixtures and alarm systems; relocate outlets; install new electrical panels with circuit breakers; and run new circuits to support computer systems/hardware.

Perform skilled electrical maintenance and repair on lighting and door alarm systems, call and paging systems, energy monitoring systems and electrical appliances; remove and replace outlets, switches, light fixtures and related electrical services; add additional circuits; and install capacitors for power function correction.

Diagnose electrical malfunctions of all mechanical systems; repair or remove mechanical systems for contract repair; reinstall repaired motors, making electrical connections as required.

Perform preventive maintenance on electrical related equipment; ensure emergency electrical power availability.

Inspect and verify operation of all fire extinguishers as scheduled; coordinate arrangements for repair/recharge as needed.

Perform general building maintenance and repair functions as assigned.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of approved methods and practices of general maintenance, repair and installation of electrical systems, appliances and equipment.

Considerable knowledge of current national and city electrical code requirements and specifications.

Considerable knowledge of the occupational hazards associated with electrical work and precautionary measures to prevent accidents and injury.

Some knowledge of first aid measures for victims of electrical shock.

Ability to perform heavy lifting.

Ability to read and work from electrical drawings and blueprints.

Ability to establish and maintain effective working relationships with co-workers and the general public.

Skill in the use of tools and equipment used in the maintenance, repair and installation of electrical systems, appliances and equipment.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from a senior high school or equivalent with considerable experience in the maintenance, repair and installation of electrical systems, appliances and equipment at the journeyman level.

MINIMUM QUALIFICATIONS

Graduation from a junior high school or equivalent and some experience as a journeyman level electrician or any equivalent combination of training and experience which provides the desirable knowledge, abilities and skills.

NECESSARY SPECIAL REQUIREMENTS

Must possess Class A licensed journeyman electrician certification with the City of Lincoln or the State of Nebraska.

Dependent upon work assignment, travel to other building sites may be necessary. Possession of a valid driver's license when operating a County vehicle is required.

11/12

PS4871