

ELECTRICAL INSPECTOR

NATURE OF WORK

This is responsible technical enforcement work in the inspection of new and existing electrical installations and systems to determine and secure compliance with municipal and county electrical codes and ordinances.

Work involves responsibility for the inspection of a variety of electrical installations in order to enforce adherence to municipal and county codes and regulations, and to regulate electrical construction and installation work. Work also involves technical examinations and the application of standard trade practices to inspection work. Inspections are conducted independently, but in accordance with departmental regulations and established technical standards. Supervision is received through oral and written instructions and work is reviewed through reports submitted and occasional re-inspections by a technical or an administrative superior.

EXAMPLES OF WORK PERFORMED

Inspects new and existing wiring and electrical installations in residential, business, commercial and other buildings to enforce adherence to municipal and county codes; ensures compliance with safety and other requirements of the electrical code.

Examines plans and specifications for new installations and remodeling of existing electrical systems in residential, commercial and industrial buildings; checks for compliance with safety and other requirements of the electrical code.

Investigates complaints of defective electrical installations which are reported as fire and other hazards; notifies responsible persons of defects and issues oral and written instructions for correction; makes re-inspections.

Advises electricians, builders, property owners, contractors and architects on electrical problems; confers with supervisor to interpret codes, standards and departmental regulations.

Prepares reports of inspections performed covering conditions found, action taken and recommendations made for further action.

Maintains an up-to-date record of all electrical inspections for documentation and reference purposes.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of the materials, methods and practices involved in constructing, installing and operating a variety of electrical installations, equipment and appliances.

Considerable knowledge of possible defects and faults in electrical wiring and appliances, of standard testing devices and of effective corrective measures.

Ability to detect and locate defective electrical wiring in construction and to ascertain the stage of installation when defects are most easily found and remedied.

Ability to read and interpret wiring diagrams and specifications for electrical systems and installations and to recognize deviations from such plans in the construction process.

Ability to enforce codes and regulations firmly, tactfully and impartially.

Ability to establish and maintain effective working relationships with contractors, property owners, municipal officials and the general public.

Ability to communicate effectively both orally and in writing.

Ability to use a computer for research and information retrieval.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from a senior high school or equivalent and considerable experience in the electrical trade at the journey, supervisory or contractor level.

MINIMUM QUALIFICATIONS

Graduation from a senior high school or equivalent and experience in the electrical trade at the journey, supervisory or contractor level; or any equivalent combination of training and experience that provides the desirable knowledge, abilities and skills.

NECESSARY SPECIAL REQUIREMENTS

Possession of a State of Nebraska Electrical Contractors license as issued by the State of Nebraska, prior to completion of probationary period.

Possession of a valid nationally recognized Electrical Inspector's Certification prior to completion of the probationary period.

Possession of a valid driver's license when operating a vehicle is necessary to the satisfactory performance of assigned duties.