



## **Electrical Inspector 2**

**Category:** Classified  
**Pay Grade:** C24  
**Job Code:** 12120

*To perform this job successfully, an individual must be able to perform the essential job functions satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary job functions herein described. Since every duty associated with this position may not be described herein, employees may be required to perform duties not specifically spelled out in the job description, but which may be reasonably considered to be incidental in the performing of their duties just as though they were actually written out in this job description.*

### **JOB SUMMARY**

Performs journeyman level technical work inspecting building and structural electrical installations; inspects and tests electrical installations for adherence to approved plans and specifications for compliance with County Electrical Codes and regulations; protects the public against fire and other hazards caused by defective materials and workmanship in electrical systems.

### **ESSENTIAL JOB FUNCTIONS (examples, not all inclusive)**

- Makes technical inspections of the installation of new electrical systems or modification of old electrical wiring systems, motors, equipment, and related electrically operated apparatus;
- Ensures that all electrical work conforms to adopted County electrical codes as installed;
- Checks each project for defects, omissions, violations, and other departures from correct procedures, issues notice of non-compliance where work is not correct, and directs to the attention of the Chief Electrical Inspector;
- Inspects all work upon completion and signs permit giving final approval for the County that the work is safe for life and property;
- Conducts field inspections of signs erected for compliance with electrical codes;
- Makes routine and periodic patrols and inspections of areas assigned to check for violations and hazardous conditions;
- Investigates complaints of defective electrical installations reported as fire hazards, re-inspects as directed, and reports violations;
- Performs electrical tests on equipment and materials as directed;
- May assist in the initial training of lower level Electrical Inspectors;
- May perform data entry and retrieval functions in researching violations and scheduling inspections;
- Answers phones in office or field and speaks with contractors and homeowners;
- Performs other related job duties as assigned.

### **QUALIFICATIONS**

#### **Education and Experience:**

Must possess valid certification as an Electrical Inspector as recognized by the State of Florida (Certificate) and five (5) years of experience as a trades foreman, contractor, or at a similar supervisory level, or three (3) years as an electrical inspector; or a certification and an Associate's degree in an engineering, planning, construction, or related field, or completion of a two-year vocational or technical diploma or certification in a related field and three (3) years as an electrical inspector; or a certification and a Bachelor's degree in electrical engineering, construction, or related field and one (1) year as an electrical inspector; or an equivalent combination of education, training, and/or experience.

**Special Qualifications** (May be required depending on area of assignment):

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Employee to maintain designated certifications and continuing education as required by Florida.
- Other knowledge, skills, abilities, and credentials required for a specific position.

**Knowledge, Skills and Abilities:**

- Knowledge of the methods and practices involved in constructing, installing and operating a variety of electrical installations, equipment, signs, and appliances and of standard electrical testing devices;
- Knowledge of possible defects and faults in electrical wiring and appliances and of effective corrective measures;
- Knowledge of the regulations governing electrical installations, equipment, and appliances effective in the unincorporated areas of the County;
- Ability to apply computer applications and software;
- Ability to read and interpret diagrams and specifications for electrical installations;
- Ability to diagnose defects and hazards in old and new electrical installations, equipment, and appliances and enforce specifications and regulations firmly, tactfully, and impartially;
- Ability to express oneself clearly and concisely, orally and in writing;
- Ability to keep records and to prepare and submit reports;
- Ability to complete the continuing education required by the state.

**PHYSICAL/MENTAL DEMANDS**

The work is light work which requires exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force to move objects. Additionally, the following physical abilities are required:

- **Balancing:** Maintaining body equilibrium to prevent falling while walking, standing or crouching on narrow, slippery, or erratically moving surfaces. The amount of balancing exceeds that needed for ordinary locomotion and maintenance of body equilibrium.
- **Climbing:** Ascending or descending ladders, stairs, scaffolding, ramps, poles and the like, using feet and legs and/or hands and arms. Body agility is emphasized.
- **Crawling:** Moving about on hands and knees or hands and feet.
- **Crouching:** Bending the body downward and forward by bending leg and spine.
- **Feeling:** Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips.
- **Fingering:** Picking, pinching, typing, or otherwise working, primarily with fingers rather than with the whole hand as in handling.
- **Grasping:** Applying pressure to an object with the fingers and palm.
- **Handling:** Picking, holding, or otherwise working, primarily with the whole hand.
- **Kneeling:** Bending legs at knee to come to a rest on knee or knees.
- **Lifting:** Raising objects from a lower to a higher position or moving objects horizontally from position to position. Occurs to a considerable degree and requires substantial use of upper extremities and back muscles.
- **Pulling:** Using upper extremities to exert force in order to draw, haul or tug objects in a sustained motion.
- **Pushing:** Using upper extremities to press against something with steady force in order to thrust forward, downward or outward.
- **Reaching:** Extending hand(s) and arm(s) in any direction.
- **Visual ability:** Sufficient to effectively operate office equipment including copier, computer, etc.; and to read and write reports, correspondence, instructions, etc.
- **Hearing ability:** Sufficient to hold a conversation with other individuals both in person and over a telephone; and to hear recording on transcription device.
- **Speaking ability:** Sufficient to communicate effectively with other individuals in person and over a telephone.
- **Mental Acuity:** Ability to make rational decisions through sound logic and deductive processes.

- Talking: Expressing or exchanging ideas by means of the spoken word including those activities in which they must convey detailed or important spoken instructions to other workers accurately, loudly, or quickly.
- Repetitive Motion: Substantial movements (motions) of the wrist, hands, and/or fingers.
- Standing: Particularly for sustained periods of time.
- Stooping: Bending body downward and forward by bending spine at the waist. Occurs to a considerable degree and requires full motion of the lower extremities and back muscles.
- Walking: Moving about on foot to accomplish tasks, particularly for long distances or moving from one work site to another.

#### **WORKING CONDITIONS**

Work is performed in a dynamic environment that requires sensitivity to change and responsiveness to changing goals, priorities, and needs.