



Electrical Inspector 1

Category: Classified/Excluded
Pay Grade: C20
Job Code: 12110

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

This is entry level technical work inspecting building and structural electrical installations. An employee in this class inspects and tests electrical installations for adherence to approved plans and specifications, for compliance with county electrical codes and regulations, to protect the public against fire and other hazards caused by defective materials and workmanship in electrical systems. Duties require skilled technical examinations and the application of standard electrical trade practices to electrical inspections. Employees work in the field, throughout the unincorporated areas of the county and are supervised as the occasion requires. All work is subject to review by a superior through written and verbal reports and occasional re-inspections.

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 departure 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; makes re-inspection as directed; reports violations;
- Performs tests on equipment and materials as directed;
- Performs data entry and retrieval functions in researching violations and scheduling inspections;
- Performs other related job duties as assigned.

QUALIFICATIONS

Education and Experience:

High School diploma or an acceptable equivalency diploma (GED); and five (5) years of experience in the field of construction or a related field; or An equivalent combination of education, training, and experience that meets eligibility requirements according to one of the criteria of FS 468 to take the examination for certification as a Building Code Inspector.

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.

- Applicant must secure a valid certification as an Electrical Inspector within two (2) years of employment and maintain the required continuing education as required by Florida.
- Candidate to demonstrate more advanced proficiency, competency, and satisfactory completion of regularly assigned work in an independent manner. Appointing Authority retains discretion to employ an incumbent at this level or advance the incumbent non-competitively or competitively after a candidate meets the minimum qualifications to an in-line career ladder position within the same organization or department.
- Other highly desirable 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 secure an Electrician's Journeyman's License;
- Ability to obtain a provisional certification as an electrical inspector within ninety (90) days of employment;
- 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.
- **Hearing:** Perceiving the nature of sounds at normal speaking levels with or without correction. Ability to receive detailed information through oral communication, and to make the discrimination in sound.
- **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.
- **Mental Acuity:** Ability to make rational decisions through sound logic and deductive processes.
- **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.
- Repetitive Motion: Substantial movements (motions) of the wrist, hands, and/or fingers.
- Speaking: Expressing or exchanging ideas by means of the spoken word including the ability to convey detailed or important spoken instructions to other workers accurately and concisely.
- 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.
- 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.
- Visual Acuity: Have close visual acuity such as color differentiation, depth perception, and adequate field vision.
- 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 relatively safe, secure, and stable work environment.