



Office of Human Resources
Electrical Inspector - CJ2514
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General Statement of Duties

Inspects the installation and operations of electrical systems and fire alarms to ensure compliance with related codes within the Denver Building Code and Amendments related to the National Electric Code and the National Fire Protection Association, Article 72.

Distinguishing Characteristics

This class is distinguished from other trades inspector classes (Public Safety Inspector, Plumbing Inspector, Construction Inspector, and Mechanical Inspector) that inspect other specific, licensed and/or certification trades areas. The Electrical Inspector is distinguished from the Chief Trades Inspector class that performs supervisory work over trades inspectors engaged in the enforcement and compliance of related codes within Denver Building Code, Amendments, and other codes related to the specific trades area.

Essential Duties

Performs complex on-site inspections of new and existing electrical and fire alarm installations and operations in all classes and occupancies of buildings to ensure and enforce compliance with the Denver Building Code and Amendments related to the National Electric Code and the National Fire Protection Association, Article 72.

Determines compliance or non-compliance with code requirements and recommends appropriate corrections, enforcement, and/or compliance action to remedy the compliance issue(s).

Investigates complaints of code violations, recommends appropriate corrective and/or enforcement action which may include issuing "stop work" orders, summons, and/or canceling permits; and reinvestigates to verify code compliance.

Interprets and explains rules, regulations, ordinance, and standards to property owners, contractors, and the public.

Prepare written reports and maintains records of inspections performed.

Complies with standard safety rules and procedures common to the trade.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Attention to Detail - Is thorough when performing work and conscientious about attending to detail.

Decision Making - Specifies goals and objectives to achieving those goals, generates alternatives, considers risks, and evaluates and chooses the alternative in order to make a determination, draw conclusions, or solve a problem.

Interpersonal Skills - Shows understanding, friendliness, courtesy, tact, empathy, cooperation, concern, and politeness to others and relates well to different people from varied backgrounds and different situations.

Reading - Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs or tables; applies what is learned from written material to specific situations.

Self-Management – Sets well-defined and realistic personal goals; displays a high level of initiative, effort, and commitment towards completing assignments in a timely manner; works with minimal supervision; is motivated to achieve; demonstrates responsible behavior.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

Knowledge & Skills

Knowledge of the principles and practices of inspection work sufficient to be able to monitor and enforce compliance. Refers to specialized knowledge that is acquired through formal training or extensive on-the-job experience.

Skill in conducting investigations to ensure compliance with applicable rules, regulations, standards, and codes.

Level of Supervision Exercised

By position, performs lead work.

Education Requirement

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

Experience Requirement

Three (3) years of experience as a journeyman or master electrician.

Education & Experience Equivalency

Additional appropriate education may be substituted for the minimum experience requirements.

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

Requires a valid Journeyman Electrician's License or Master Electrician License issued by the State of Colorado at the time of application.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Atmospheric Conditions: conditions that affect the skin, eyes or respiratory system.

Potential exposure to cement dust.

Potential exposure to cold weather conditions (indoor/outdoor).

Potential exposure to dust.

Potential exposure to extreme temperature changes.

Potential exposure to hazards from electrical/mechanical/power equipment.

Potential exposure to hazards of steam and heat.

Potential exposure to heat temperatures, hot enough to cause bodily discomfort.

Potential exposure to heat, wetness, odors in kitchen and/or patient areas.

Potential exposure to hot and humid work environment.

Potential exposure to housekeeping/cleaning agents/chemicals.

Potential exposure to odors in animal areas.
 Potential exposure to odors in kitchen and animal areas
 Potential exposure to odors in kitchen and/or patient areas.
 Potential exposure to temperature changes: variations in temperature from hot to cold.
 Potential exposure to varying degrees of kitchen elements.
 Handles absentee replacement on short notice.
 Handles emergency or crisis situations.
 Noise: sufficient noise to cause distraction.
 Personal Safety: aware of surroundings, people, and events.
 Pressure due to multiple calls and inquiries.
 Subject to hazards of flammable or explosive gases.
 Subject to injury from moving parts of equipment or vehicles.
 Subject to long, irregular hours.
 Subject to many interruptions.
 Subject to precarious or high locations.
 Subject to pressure for multiple calls, inquiries, and interruptions.
 Subject to varying and unpredictable situations.
 Subject to: traffic, roadways, and pedestrians.
 Subject to: vibrations and strain on the body to cause bodily harm if endured daily.
 Temperature Changes: variations in temperature from hot to cold.
 Temperature Changes: Variations in temperature from hot to cold when works in the field.
 Wet: frequent contact with water or other liquid.
 Wet: frequent contact with water, liquid, chemicals, or sanitary sewage.
 Works in confined, uncomfortable or awkward locations.

Level of Physical Demand

3-Medium (20-50 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Agility: Ability to move quickly and easily.
 Balancing: Maintaining equilibrium.
 Carrying: Transporting or moving an object.
 Climbing: Ascending or descending an object or ladder.
 Color vision: Ability to distinguish and identify different colors.
 Crawling: Moving about in a low or crouched position.
 Crouching: Positioning body downward and forward.
 Depth Perception: Ability to judge distances and space relationships.
 Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.
 Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.
 Field of Vision: Ability to sharply detect or perceive objects peripherally.
 Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.
 Fingering: Picking and pinching, through use of fingers or otherwise.
 Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.
 Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.
 Hearing: Perceiving and comprehending the nature and direction of sounds.
 Kneeling: Assuming a lowered position.
 Lifting: Moving objects weighing no more than 50 pounds from one level to another.
 Neck Flexion: Perceiving objects located above or below.
 Oral Comprehension: Ability to discern the meaning of oral speech.

Physical Strength: Exerts force to transport objects of 50 pounds or more.
Pulling: Exerting force upon an object so that it is moving to the person.
Pushing/Pulling: Transport and control traps and cages, animal foods, equipment.
Pushing: Exerting force upon an object so that it moves away from the person.
Reaching: Extending the hands and arms or other device in any direction.
Repetitive motions: Making frequent or continuous movements.
Sitting: Remaining in a stationary position.
Standing: Remaining in a stationary position.
Stooping: Positioning oneself low to the ground.
Talking: Communicating ideas or exchanging information.
Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.
Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.
Vision: Ability to perceive animal behavior, comprehend signs, and detect color.
Walking: Ability to move or traverse from one location to another.
Written Comprehension: Ability to discern the meaning of written words.

Background Check Requirement

Criminal Check
Employment Verification
By position, Motor Vehicle Record
Licenses/Certification

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: J-621
FLSA Code: N
Established Date: 9/21/2018
Established By: LS
Revised Date:
Revised By:
Class History: