

## CONSTRUCTION INSPECTOR I

### **PURPOSE AND NATURE OF WORK**

Positions in this classification are responsible for enforcement of local and national codes and regulations governing pre-completion building construction, plumbing, electrical, and/or air conditioning installation. Work involves on-site inspections at each of several phases of construction of both commercial and residential structures. Incumbents in this class work independently on field inspections and must make decisions requiring technical judgment, but consult with a supervisor on more difficult or unusual cases. Work is supervised by a Chief Construction Inspector.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Depending of area of assignment inspects new construction, alterations, major repairs and additions to commercial and residential buildings and other structures for compliance with building codes and approved plans and specification requirements. Checks soil conditions for footing, size of excavation, setbacks, foundation walls, vents, structural columns and beams; location and layout of steel reinforcing; structural steel sections, wood trusses and roof braces, partitions, firebrick and fireplaces.

Inspects installations of sewer systems, ventilations, storm drains, water systems and fixtures, gas systems, hot water heaters, boilers, backflow preventors and heat equipment.

Conducts interior and exterior inspections of all electrical systems in commercial and residential structures, at different phases of construction.

Conducts interior and exterior inspections of refrigeration and air conditioning installations. Checks for access to equipment.

Checks for proper materials, design and sizes. Ensures that workers at a construction site are properly permitted. Prepares and maintains necessary records and reports daily. Performs courtesy inspections for homeowners. Occasionally inspects blueprints, plans and sketches for compliance with codes. Offers advice to contractors and homeowners and recommends new products or methods. Responds to questions and complaints from citizens and contractors.

Performs related work as required.

### **NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS**

Considerable knowledge of the methods, materials and techniques related to construction, repair and alteration of new and existing structures.

Considerable knowledge of possible defects and flaws in construction and of effective corrective measures.

Considerable knowledge of applicable code regulations and laws.

Ability to understand and work from plans, drawings and diagrams.

Ability to detect and locate defective installations.

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

Ability to establish and maintain effective working relationships with other employees, building owners, contractors and the public.

### **DESIRABLE TRAINING AND EXPERIENCE**

Graduation from a standard high school and experience in a wide variety of skilled residential and commercial construction; or any equivalent combination of training and experience. For positions conducting plumbing inspection, journeyman level plumbing certification is desired.

### **APPRENTICESHIP**

Positions in this class are assigned to an apprenticeship as defined by Civil Service Rule IV, Section 6. This requires the employee to complete certification as a Residential and Commercial Building Codes Enforcement Officer as required by the State of within one (1) year for continued employment.