



MECHANICAL INSPECTOR II

Occupational Code: 2159

Salary Range: 29A

Status: Classified

FLSA: Exempt

Established: 2/74

Revised: 12/88 6/96

NATURE OF WORK:

This is highly skilled inspections and enforcement work to ensure compliance with the South Florida Building Code and other applicable codes and regulations as it relates to mechanical systems.

An employee in the classification shall conduct inspections and may supervise field inspectors to ensure compliance with laws and regulations pertaining to all type of mechanical systems, i.e., boilers, elevators, air conditioning and refrigeration systems, amusement rides, etc. This position is supervised by the Section Chief or designee through periodic conferences.

ESSENTIAL FUNCTIONS: (The examples of work listed in this class specification are not necessarily descriptive of any one position in the class. The omission of specific statements does not preclude management from assigning specific duties not listed herein if such duties are a logical assignment for the position. Examples of work performed are not to be used for allocation purposes.)

Conducts inspection of elevators, escalators, and other lifts by examining cables, safety devices, safety electrical contacts in connection with safety interlocks, cable shackles and the connections and overhead construction.

Conducts inspections of fire pressure vessels with pressure in excess of fifteen (15) pounds per square inch; performs internal and external inspections of the vessels; takes measurements, makes hydrostatic tests, and checks safety valves and steam gauges, pumps and injectors; calculates safe working pressure, using safety factors based on general age and efficiency.

Conducts inspections of existing and new installations of fuel gas lines, pipes, storage tanks, and appliances for code compliance.

Conducts inspections of large ventilating and air conditioning installations, refrigeration systems, ductwork, heating systems and similar installations to insure compliance with the existing laws and building codes.

Reviews and checks blueprints, plans and sketches prior to issuance of building permits of proposed mechanical installations (**residential only**).

Performs joint inspections, Certificate of Use inspections and follows up on complaints.

Inspects and makes final decision, in conjunction with the Section Chief, for specialized functions.

Maintains comprehensive files and records relative to fees collected, and investigations and inspections conducted; prepares reports and summaries of activities for review by a superior.

Interprets code and ordinance requirements and assists inspectors in preparing and presenting cases in court.

Prepares monthly reports for the section, as requested.

Has a role in the administration of collective bargaining agreements and exercises judgment and discretion in their applications to bargaining unit employees.

Performs other related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS: (The knowledge, abilities and skills identified in this class specification represent those needed to perform the duties of the class. Additional knowledge, abilities and skills may be applicable for individual positions in the employing departments.)

Considerable knowledge of the South Florida Building Code and all other applicable codes, standards and regulations pertaining to mechanical systems and fire safety.

Considerable knowledge of general construction methods and procedures, as they pertain to mechanical systems, i.e., elevators, boilers, air conditioning, refrigeration and fuel gas systems, appliances and installations.

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

Ability to prepare and maintain complete and accurate records and to make effective reports concerning work performed.

Ability to plan, assign and supervise the work of others in a manner conducive to full performance and high morale.

REQUIREMENTS:

Must meet the requirements as stipulated under the South Florida Building Code and the Florida Statutes, if applicable, as a Mechanical Plans Examiner (residential) and two years as a Mechanical Inspector I with a performance evaluation rating of 3.3 or greater for the two most recent years. A valid Florida Driver's License.

Note: Special requirements or exceptions may be necessary depending upon needs of the City, however, they must be in accordance with the requirement of the South Florida Building Code and Florida Statutes.

TOOLS AND EQUIPMENT:

Personal computer, including word processing and permitting software; calculator; pencil; ruler; drills; hand tools; screwdrivers; copy machine; phone; two-way radio.

PHYSICAL DEMANDS: (The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

Work is performed mostly in office settings. Some outdoor work is required in the inspection of various land use developments, construction sites or during field supervision, as necessary. Hand-eye coordination is necessary to operate computers and various pieces of office equipment.

While performing the duties of this job, the employee is very frequently required to sit, stand, talk, hear; use hands to finger, handle, feel or operate objects, tools or controls; and reach with hands and arms; read and write in English. The employee is occasionally required to lift up to 14 lbs, climb stairs, reach above and below shoulders; work outside, exposed to dust or fumes, vibrations, high temperatures; walk and bend.

WORK ENVIRONMENT: (The work environment characteristics described here are representative of those employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

The noise level in the work environment is usually quiet in the office, and moderate to loud in the field.