



City of Phoenix

PLUMBING/MECHANICAL INSPECTOR II

JOB CODE 60420

Effective Date: 2/17

DISTINGUISHING FEATURES OF THE CLASS:

The fundamental reason this classification exists is to inspect and evaluate new and existing plumbing, heating, ventilating and cooling systems for compliance with approved plans, City Construction Code and related requirements. Inspection assignments primarily involve nonresidential buildings. Compliance is ordered when violations are discovered. Employees work independently in the field and are responsible for making decisions requiring technical discretion, sound judgment and familiarity with a variety of installation and repair problems. The experience and knowledge necessary to inspect more complex objects distinguish this class from Plumbing/Mechanical Inspector I. Work is performed under general supervision and is subject to review by a Plumbing/Mechanical Inspections Field Supervisor or the Plumbing/Mechanical Inspections Supervisor.

ESSENTIAL FUNCTIONS:

- Inspects plumbing systems including gas piping systems and mechanical systems in residential buildings, such as multistory residential buildings and hotels and nonresidential buildings and structures of any size or height such as office buildings, manufacturing plants, health care facilities, retail stores, and schools to determine that installations, systems, and materials comply with approved plans and/or applicable codes and ordinances;
- Requires corrections to be made when deficiencies are discovered and assists builders and owners in determining how such corrections may be made to achieve code conformance;
- Gives out information on Plumbing and/or Mechanical Codes and other building regulatory requirements;
- Monitors an assigned geographical area to identify construction being performed without a permit or for dangerous conditions;
- Issues notices of violation where unsafe or illegal conditions exist and conducts follow-up inspections to ensure corrections are made;
- Advises contractors and other customers regarding various construction problems as they relate to the plumbing and mechanical codes, standards, and regulations;
- Investigates alleged violations of the Construction Code and related ordinances;
- Performs inspections in accordance with approved plans and all disciplines;



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- Maintains regular and reliable attendance.
- Demonstrates superior seamless customer service, integrity, and commitment to innovation, efficiency, and fiscally responsible activity.

Required Knowledge, Skills and Abilities:

Knowledge of:

- The methods and practices involved in installing, repairing, and maintaining a variety of plumbing and mechanical systems and equipment.
- Fundamental mechanical principles as they apply to heating, cooling, ventilating, and exhaust systems.
- Stages of construction when possible violations and defects may most easily be observed and corrected.
- Uniform plumbing and mechanical codes and associated rules, regulations, and standards.
- Mathematical principles required to perform related technical calculations.

Ability to:

- Detect possible defects and faults in plumbing and mechanical systems and recommend or stipulate appropriate remedial measures.
- Accurately read and comprehend construction plans.
- Use standard testing devices to detect possible defects in plumbing and mechanical systems.
- Objectively interpret and consistently apply code requirements and related standards in accordance with department policies.
- Work cooperatively with other City employees and the general public.
- Communicate in the English language by phone or in person in a one- to-one setting.
- Produce written documents in the English language with clearly organized thoughts using proper sentence construction, punctuation, and grammar.
- Keep accurate records.
- Measure distances using a tape measure.
- Use graphic instructions, such as blueprints, schematic drawings, layouts or other visual aids.
- Comprehend and make inferences from written material.
- Perceive the full range of the color spectrum, such as when inspecting electrical wires.
- Bend and stoop repeatedly or continually.
- Ascend and descend ladders or unfinished stairs without handrails and work at heights greater than 10 feet.



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- Travel over rough, uneven, or rocky surfaces, and maneuver around scaffolding, bracing or unfinished construction elements.
- Work safely without presenting a direct threat to self or others.

Additional Requirements:

- Obtaining a combination of discipline specific commercial certifications or licenses may be required for some positions depending on department or section assignment.
- All positions require the use of personal or City vehicles on City business. Individuals must be physically capable of operating the vehicles safely, possess a valid driver's license and have an acceptable driving record. Use of a personal vehicle for City business will be prohibited if the employee is not authorized to drive a City vehicle or if the employee does not have personal insurance coverage.
- Some positions will require the performance of other essential and marginal functions.

ACCEPTABLE EXPERIENCE AND TRAINING:

Two years of experience inspecting and evaluating plumbing, heating, ventilating, and cooling systems for compliance with approved plans, Phoenix Construction Code and related requirements (two years at the level of Plumbing/ Mechanical Inspector I), and certifications as noted above. Other combinations of experience and education that meet the minimum requirements may be substituted.