

DRAFT

SENIOR PLUMBER

DEFINITION

To lead and perform skilled plumbing in the construction, maintenance and repair of City facilities and buildings and related structures; install, maintain, repair, and service all types of fixtures and equipments; to provide functional and technical lead guidance to subordinate staff; and to perform related work as assigned.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey or lead level class in the Plumber series. Incumbents perform the full range of duties as assigned and receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit. Employees in this class are distinguished from the Plumber class in that the Senior level provides technical and/or functional guidance over assigned staff.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from an assigned supervisor. Exercises technical and functional guidance over assigned staff.

ESSENTIAL FUNCTIONS – Functions may include, but are not limited to, the following:

To lead and perform a wide variety of plumbing and related craftwork in the construction, maintenance and repair of City buildings, park and recreational facilities, and related structures.

Assist in the establishment of schedules, equipment inventory tracking, recurring regulatory inspection, testing and maintenance and methods related to the installation, modification, maintenance, repair, overhaul and adjustment of various city water, wastewater, and gas piping, including iron, cooper, and plastic pipe and related projects; schedule staff to make repairs and equipment replacements; notify departments when making major repairs.

Monitor work in progress at the work site; provide technical assistance to staff and direct corrections and modifications as appropriate.

Install, maintain, and replace water, wastewater, and gas piping, including iron, cooper, and plastic pipe; install and repair fixtures and cut into existing piping.

Train and instruct the Plumber(s), new and less experienced employees in proper work methods, tools, equipment, and safety precautions; ensure safety of work sites by utilizing appropriate safety methods, equipment and devices.

Assist in the assignment and layout of work for staff including conducting pre-job inspections.

Provide functional and technical information to staff on plumbing systems and their operation; hold informal training as needed.

Discuss job assignments with staff to assess status and provide guidance where needed.

Maintain and forecast supply budget for equipment replacement and upgrades, staffing requirements, vehicles and expendables; prepare cost estimates for minor and major repairs and Capital Improvement Projects as needed.

Maintain records involving time, labor and material for plumbing shop assignments; estimate materials, tools and equipment needed for work assignments; prepare reports of time material expended.

Inspect and maintain air and water heating systems, and gas fired heaters and boilers; install and maintain circulatory, return line, and vacuum pumps.

Inspect and test-plumbing systems to determine need for repairs; install and repair piping systems, toilets, fountains, drains and other plumbing fixtures lay, caulks, and joins pipe.

Troubleshoot operating problems; prepare and maintain a preventive maintenance program.

Plan, design, and lay out craft assignments; read and interpret plans, blueprints, and specifications; estimate materials, tools and equipment needed for work assignments; prepare cost estimates for larger jobs.

Order and pick up materials and supplies from outside vendors as appropriate.

Operate and maintain a wide variety of hand and power tools, shop tools and other equipment used in the trade.

Observe safe work methods and safety precautions related to the work; cone and flag work sites to secure from traffic; use appropriate safety equipment and devices; attend safety meetings; inspect and repair safety hazards encountered in the course of the work.

Provide technical guidance to the Plumber(s) and less experienced staff; instruct and train staff in proper work methods and job safety.

Assist in developing specifications for contract work; inspect contract work for conformity to specifications; recommend work as necessary.

Assist other trades on major jobs.

Keep work related records using a computer.

Operate City vehicles with attachments skillfully and safely.

In the absence of the supervisor, assume responsibilities as needed.

Build and maintain positive working relationships with co-workers, other City employees and the public using principles of good customer services.

Perform other related duties as assigned.

MINIMUM QUALIFICATIONS

Knowledge of:

Principles and techniques of water and wastewater supply and drainage plumbing using galvanized, copper, and PVC pipe.

Principles, techniques, tools and materials used in the plumbing trade.

Operation and maintenance of a wide variety of hand, power and shop tools, test equipment and other equipment common to the field of plumbing.

Pertinent rules, laws, codes and policies related to area of assignment.

Safe work methods and safety regulations pertaining to the work including the use of personal protective equipment.

Principles and practices of conflict resolution.

Computer equipment and software applications related to assignment.

English usage, spelling, grammar, and punctuation.

Ability to:

Operate and maintain specialized tools used in plumbing and related building trades.

Measure and calculate angles, lengths and volumes.

Estimate necessary materials and equipment to complete assignments.

Read and interpret manuals, specifications, drawings, plans and blueprints.

Basic mathematical computations.

Use and operate tools and equipment related to assignment, including personal protective equipment.

Keep work related records and prepare reports using a computer.

Work effectively at remote locations without direct supervision.

Operate City vehicles observing legal and defensive driving practices.

Train and instruct others in proper work methods, processes and techniques.

Follow oral instruction; read, interpret, follow and explain written instructions, construction sketches and equipment manuals.

Use initiative and sound independent judgment within established guidelines.

Communicate clearly and concisely, both orally and in writing.

Work overtime and off-hours shifts when necessary because of an emergency or in the interest of the efficiency of the department, and on-call on a rotation basis.

Establish and maintain effective working relationships with those contacted in the course of work.

Work with various cultural and ethnic groups in a tactful and effective manner.

Experience and Training

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Four years of responsible plumbing experience in a governmental agency or a commercial, industrial or residential organization.

Training:

Equivalent to the completion of the twelfth grade supplemented by specialized training in the installation, repair and maintenance of plumbing systems.

License or Certificate

Possession of a valid California driver's license.

PHYSICAL DEMANDS

On a continuous basis, sit, stand, bend, climb ladders (up to 40 feet), stoop, kneel, crouch, crawl and twist for varying periods in the course of work; use hands and fingers to grasp tools; make repetitive hand and body motions; twist and reach below and above shoulder; lift or carry objects weighing up to 50 pounds without assistance and 100 pounds with assistance; to communicate with co-workers using a two-way radio; use telephone, and write or use a keyboard to communicate through written means; see in the normal vision range with or without correction to read computer screen, blueprints, and drafting plans; hear in the normal range with or without correction.

WORKING ENVIRONMENT

Work is performed both indoors and outdoors environments. Some work is performed with exposure to low to loud noise level; frequent fieldwork is required with exposure to a variety of weather conditions and the external environment; tasks may require working in tightly enclosed spaces and the use of ladders or other safety equipment to gain access to hard to reach locations; some work is performed in crawl spaces, attics or on rooftops. Some work may require exposure to unpleasant and potentially hazardous substances and high voltage.

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