

**DESCRIPTION:** Under general to limited supervision, performs skilled journey-level plumbing work in the installation, alteration, repair, and maintenance of plumbing and related systems. Performs assigned work independently or as a member of a plumbing crew; performs related work as assigned.

**DISTINGUISHING CHARACTERISTICS:** (A position is assigned to this class based on the scope and level of work performed as outlined below.)

Positions assigned to this class perform the full range of skilled journey-level plumbing duties and responsibilities as the primary and predominate kind of work assigned. Level of skilled work performed may require possession of plumber's license depending on local governmental ordinances or codes. May serve as technical lead and oversee workers engaged in various installation and maintenance projects involving water, sewage, gas, steam, air, oil, and fire suppression systems. This class is used throughout the classified system.

**EXAMPLES OF WORK:** (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Installs, alters, troubleshoots, repairs, and maintains pipe systems designed to conduct flow of hot and cold water, sewage, gas, steam, air, oil, and fire suppression systems.

Installs and maintains pipe systems located above, under, and on the ground; and in, on, and between walls, floors, and ceilings.

Installs, alters, repairs, and maintains plumbing fixtures such as heating devices, sinks, lavatories, toilets, tubs, showers, water heaters, faucets, drains, hydrants, water coolers, and laundry and kitchen equipment.

Installs, alters, repairs, and maintains devices such as traps, vents, drains, siphons, and pumps integral to plumbing systems, meter fittings, couplings, and unions.

Installs, alters, repairs, and maintains fire protection sprinkler systems, water treatment plants, and sewage plants.

Adjusts and repairs steam pumps and regulators, water pumps and heaters, air compressors, and fuel storage tanks and pumping systems.

Fits valves, couplings, shock arrestors, and other fittings to pipe sections; adjusts connections and pipe circuitry to correct such conditions as air lock, water hammer, expansion, contraction, and friction.

Performs preventative maintenance inspections of plumbing fixtures and systems, and initiates work orders to prevent breakdowns and to correct deficiencies.

Cleans, repairs, and maintains all tools and equipment used in the plumbing trade.

Sketches plumbing layouts, reads and interprets blueprints and specifications, and determines dimensions and quantities of materials required to complete a job.

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Estimates time, cost, and materials required for the completion of work orders, and orders materials as necessary.

Advises supervisor or management during the selection, requisition, and storage of plumbing materials, equipment, and hardware; shares information with others as needed.

Monitors contractors or instructs helpers in plumbing work; conducts informal apprenticeship training.

**KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:** (These are needed to perform the work assigned.)

Knowledge of: the practices, materials, tools, equipment, and techniques of the plumbing trade; the occupational hazards and safety precautions of the plumbing trade; preventative maintenance on plumbing systems; the installation, operation, and repair of water, gas, and waste systems; the use and design of various plumbing fixtures and connections; types, sizes, and uses of plumbing materials such as pipes, valves, fittings, metals, caulking, packing, and gaskets; the maintenance of water, gas, and interior waste distribution and collection systems; applicable plumbing codes; material and equipment costs.

Skill in: installing and repairing plumbing fixtures and systems.

Ability to: read and interpret blueprints, sketches, layout designs, and specifications; use, operate and care for tools and equipment used in the plumbing trade; understand and follow written and oral instructions; perform complex plumbing installations and repairs; determine appropriate installation and repair procedures; make accurate estimates of time, cost, and materials required to complete a work order; requisition materials, supplies, and equipment needed for plumbing jobs.

**MINIMUM QUALIFICATIONS:** (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Training and experience in the plumbing trade.

**SPECIAL NOTES:**

Certain positions may require possession of current Journeyman Plumber license according to local ordinances or occupational/work codes.

Certain positions may require possession of a valid driver's license.

State agencies are responsible to evaluate each of their positions to determine their individual overtime eligibility status as required by the Fair Labor Standards Act (FLSA).