



Office of Human Resources
Plumber - CJ2571
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General Statement of Duties

Performs full performance skilled plumbing in the maintenance, repair, testing, installation and alteration of various types of electrical and mechanical plumbing systems and fixtures.

Distinguishing Characteristics

This class is distinguished from Maintenance Technician and Facilities Maintenance Technician. Some positions in those job classes may perform semi-skilled and skilled, unlicensed plumbing work. The Plumber class performs full performance, skilled plumbing work that requires a journey plumber's license. This class is also distinguished by the following characteristics:

Level of Supervision Exercised

By position, performs leadwork.

Essential Duties

Performs preventative maintenance, maintenance and repair work on all plumbing systems and fixtures in accordance to agency or department standards and code requirements.

Installs or alters new or upgraded plumbing systems and fixtures for the purpose of construction, tenant finishing or remodeling according to diagram specifications and code requirements.

Responds to plumbing service or trouble calls, troubleshoots and provides problem resolution.

Inspects, maintains and repairs various types of fire protection systems.

Maintains, tests and installs devices for the prevention of backflow, back siphonage or cross connection. Prepares working sketches and works from blueprints, written, or verbal instructions.

Maintains records and prepares daily activity reports.

Estimates materials, labor and equipment costs.

Assists in the maintenance and repair work in a variety of skilled trades areas.

By position, participates in snow removal duties as assigned.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Arithmetic – Performs computations such as addition, subtraction, multiplication, and division correctly using whole numbers, fractions, decimals, and percentages.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading – Understands and interprets written material, including technical materials, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.

Self Management – Sets well-defined and realistic personal goals; displays a high level of initiative, effort, and commitment towards completing assignments in a timely manner; works with minimal supervision; is motivated to achieve; demonstrates responsible behavior.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies system malfunctions to determine the source and cause of the problem.

Knowledge & Skills

Knowledge of plumbing sufficient to be able to identify appropriate construction, installation, and alteration of new or existing plumbing, and/or the operation of related systems.

Knowledge of wet and dry fire protection systems sufficient to be able to maintain in proper working condition.

Knowledge of standard practices, methods, tools and materials used in several trades areas sufficient to be able to make minor repairs to facilities and equipment.

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish a safe work environment for self and others.

Skill in using hand and power tools and equipment common to the plumbing trade.

Skill in reading and interpreting work orders, plans, sketches, blue prints, and/or schematics.

Skill in estimating the cost of materials and equipment.

Skill in preparing working sketches.

Skill in maintaining, testing, and installing devices for the prevention of backflow, back siphonages, or cross connection.

Education Requirement

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

Experience Requirement

Completion of a state recognized apprentice program for plumbers.

Education & Experience Equivalency

None

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

By position, requires a valid Commercial Driver's License (CDL "B") with appropriate endorsements by the end of probation.

Require a valid Journey Plumber's License issued by the State of Colorado at the time of application.

Licensure in another state with reciprocity may be accepted in lieu of this requirement, provided that the applicant has Colorado licensure at completion of probation.

By position, additional licenses or certifications that are legally required to perform a specific position's duties and responsibilities may be required at the time of application or by the end of probation depending on the staffing needs of the hiring department or agency.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Atmospheric Conditions: conditions that affect the skin, eyes or respiratory system.

Potential exposure to cold weather conditions (indoor/outdoor)

Potential exposure to conditions that affect the skin or respiratory system

Potential exposure to hazardous anesthetic agents, body fluids, and bio-wastes

Potential exposure to hazardous conditions where there is a danger to life, body, and/or health

Potential exposure to hazardous/toxic chemicals

Potential exposure to hazards from electro/mechanical/power equipment.

Potential exposure to hazards of steam and heat

Potential exposure to heat temperatures, hot enough to cause bodily discomfort

Potential exposure to hot and humid work environment

Potential exposure to housekeeping/cleaning agents/chemicals.

Potential exposure to humid conditions with high moisture content to cause bodily reactions

Potential exposure to infection from disease-bearing specimens.

Potential exposure to infections and contagious diseases

Potential exposure to odorous chemicals

Potential exposure to the risk of blood borne diseases.

Potential exposure to temperature changes: variations in temperature from hot to cold

Potential exposure to toxic chemicals.

Handles emergency or crisis situations

Noise sufficient to cause distraction

Occasional pressure due to multiple calls

Personal Safety: aware of surroundings, people, and events

Pressure due to multiple calls and inquiries

Subject to burns and cuts

Subject to electrical and radiant energy hazards

Subject to injury from moving parts of equipment or vehicles

Subject to many interruptions

Subject to vibrations and strain on the body to cause bodily harm if endured daily

Temperature Changes: variations in temperature from hot to cold.

Works in confined, uncomfortable or awkward locations

Works in precarious or high locations.

Level of Physical Demand

3-Medium (20-50 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Agility: bends, stretches, twists, or reaches out with the body, arms or legs.

Balancing: maintaining body equilibrium to prevent falling over.

Carrying: transporting an object, usually by hand, arm, or shoulder.

Climbing: ascending or descending objects.

Color vision: ability to distinguish and identify different colors.

Crawling: moving about on hands and knees or hands and feet.

Crouching: bending body downward and forward by bending legs.

Depth Perception: ability to judge distances and space relationships.

Eye/Hand/Foot Coordination: performing work through the use of two or more.

Feeling: perceiving attributes of objects by means of skin receptors.

Feeling: perceiving attributes of objects by means of spoken word.

Field of Vision: ability to adjust vision to bring objects into focus.

Field of Vision: ability to see peripherally.

Fine Dexterity: coordinator eye-hand to operate a vehicle, reach, hold, grasp and turn objects

Fingering: picking, pinching, or otherwise working with fingers.

Handling: seizing, holding, grasping, or otherwise working with hand(s).

Handling: seizing, holding, grasping, or otherwise working with fingers.

Hazards: conditions where there is danger to life, body and/or health.

Hearing/Talking: hear and determine direction of sound.

Hearing: perceiving the nature of sound by the ear.

Kneeling: bending legs to come to rest on one or both knees.

Lifting: raising or lowering objects weighing no more than 50 pounds, from one level to another.

Mathematical reasoning:

Memorization:

Mental Demands: mathematical reasoning, memorization, oral comprehension, spatial orientation, and written comprehension.

Neck Flexion: moving neck upward/downward.

Oral comprehension:

Physical Strength: exerts maximum muscle force to lift, push, pull or carrying objects and performs laboring work.

Pulling: exerting force upon an object so that it is moving to the person.

Pushing: exerting force upon an object so that it is moving from the person.

Reaching: extending the hand(s) and arms(s) in any direction.

Repetitive motions: making frequent movements with a part of the body.

Sitting: remaining in the normal seated position.

Stamina: exerts oneself physically over long periods of time without tiring. (which may include performing repetitive tasks such as hammering or lifting objects).

Standing: remaining on one's feet in an upward position.

Stooping: bending the body by bending the spine at the waist.

Talking: expressing or exchanging ideas by means of spoken words.

Vision Far Acuity: ability to see clearly at 20 feet or more.

Vision Near Acuity: ability to see clearly at 20 inches or less.

Vision: to observe animal behavior, read signs, and reading colors.

Walking: moving about on foot on uneven surfaces.

Walking: moving about on foot.

Written Comprehension.

Background Check Requirement

Criminal Check
Licenses/Certification

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: J-620

FLSA Code: N

Established Date: 9/21/2018

Established By: LS

Revised Date: 6/29/2020

Revised By: BM

Class History: Updated licensure to add reciprocity for out-of-state licenses in line with state of Colorado requirements.