



Career Service Authority

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Plumber

GENERAL STATEMENT OF CLASS 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:

Guidelines, Difficulty and Decision Making Level:

Guidelines are generally but not always clearly applicable, requiring the employee to exercise judgment in selecting the most pertinent guideline, interpret precedents, adapt standard practices to differing situations and recommend alternative actions in situations without precedent.

Duties assigned are generally complex and may be of substantial intricacy. Work assignment is performed within an established framework under general instructions but requires simultaneous coordination of assigned functions or projects in various stages of completion.

Employee is responsible for determining time, place and sequence of actions to be taken. Unusual problems or proposed deviations from guidelines, practices or precedents may be discussed with the supervisor before being initiated.

Level of Supervision Received and Quality Review:

The employee has personal accountability for carrying out an assigned function, program or project within the scope of established guidelines and objectives and is expected to resolve problems that arise in the normal course of the work. Completed work is generally reviewed for soundness of judgment, conclusion, adequacy and conformance to policy.

Interpersonal Communications and Purpose:

Contacts with the public or employees where explanatory or interpretive information is exchanged, defended, gathered and discretion and judgment are required within the parameters of the job function.

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.

Performs other related duties as assigned or requested.

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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.
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MINIMUM QUALIFICATIONS

Competencies, Knowledges & Skills:

Integrity/Honesty – Contributes to maintaining the integrity of the organization; displays high standards of ethical conduct and understands the impact of violating these standards on an organization, self, and others; is trustworthy.

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.

Attention to Detail – Is thorough when performing work and conscientious about attending to detail.

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.

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

Teamwork – Encourages and facilitates cooperation, pride, trust, and group identity; fosters commitment and team spirit; works with others to achieve goals.

Diversity – Is sensitive to cultural diversity, race, gender, and other individual differences in the workforce.

Interpersonal Skills – Shows understanding, courtesy and tact to others; develops and maintains effective relationships with others; may include effectively dealing with individuals who are difficult or distressed.

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.

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 maintaining and organizing files, records and documents.

Skill in filling out forms and completing paperwork related to the work assignment.

Skill in preparing working sketches.

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

Skill in independently adapting, interpreting, and applying written guidelines, precedents, and standardized work practices to a variety of unprecedented and problematic situations.

Skill in exercising initiative, judgment and decision making in solving problems and meeting organizational objectives.

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.

Physical Demands:

Standing: Remaining on one's feet in an upright position.

Walking: Moving about on foot on uneven surfaces

Lifting: Raising or lowering an object from one level to another.

Lifting: Raising or lowering an object 25 - 50 pounds.

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

Pushing: exerting force upon an object so that the object is away.

Pulling: Exerting force upon an object so that the object is away.

Climbing: Ascending or descending objects
Balancing: maintaining body equilibrium to prevent falling over.
Stooping: Bending the body by bending spine at the waist.
Kneeling: bending legs to come to rest on one or both knees.
Crouching: bending body downward and forward by bending legs.
Reaching: extending the hand(s) and arm(s) in any direction.
Handling: seizing, holding, grasping, or otherwise working with hand(s)
Fingering: Picking, pinching, or otherwise working with fingers.
Talking: Expressing or exchanging ideas by means of spoken words
Hearing: Perceiving the nature of sounds by the ear
Repetitive Motions: Making frequent movements with a part of the body
Eye/Hand/Foot coordination: Performing work through using two or more.
Vision Requirements:
Far Acuity: Ability to see clearly at 20 feet or more.
Near Acuity: Ability to see clearly at 20 inches or less.
Depth Perception: ability to judge distance and space relationships
Field of Vision: ability to see peripherally.
Accommodation: ability to adjust vision to bring objects into focus.
Color Vision: ability to distinguish and identify different colors.

Working Environment:

Extreme Cold: temperature cold enough to cause marked bodily discomfort.
Extreme Heat: temperature hot enough to cause marked bodily discomfort
Wet: Frequent contact with water or other liquid.
Hazards: Conditions where there is danger to life, body, and/or health
May be exposed to hazardous chemicals.
Exposed to hazardous anesthetic agents, body fluids and wastes.
Exposed to hazards from electro/mechanical/power equipment.
Exposed to housekeeping/cleaning/chemicals.
Exposed to infection from disease-bearing specimens.
Exposed to odorous chemical and specimens.
Subject to burns and cuts
Subject to injury from moving parts of equipment.
Subject to many interruptions.
Subject to varying and unpredictable situations.
Works in confined, uncomfortable or awkward locations.
Works in precarious or high locations (ladders, scaffolding, etc.)

Education Requirement:

Graduation from high school or possession of GED Certificate required.

Experience Requirement:

Completion of a state recognized apprentice program for plumbers.

Licensure and/or Certification:

All positions, possession of a valid Journey Plumber's License issued by the State of Colorado at the time of application.

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.

By position, possession of a valid driver's license at the time of application. Possession of a valid Colorado Class "R" Driver's License prior to the end of probation.

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

CLASS DETAIL

FLSA CODE: Non-Exempt

ESTABLISHED DATE: 09/16/95

REVISED DATE: 09/01/97
11/11/07

REVISED BY: 1997, Lori Brown; 2007, Paul Wiberg

CLASS HISTORY 11/11/07. Format changed. Distinguishing Characteristics section and Competencies statements added. By position, requirement for certification as a Certified Cross-Connection Control Technician added.