

## **PLUMBER**

**DISTINGUISHING FEATURES OF THE CLASS:** Under general supervision of supervisory level personnel, an incumbent of this class performs skilled work in applying the techniques of the trade in the assembly, installation, and repair of pipes, fittings, and fixtures of heating, water, and drainage systems according to specifications and codes requiring a thorough knowledge of the trade. Work is performed under general supervision with leeway allowed for independent judgment. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Measures cuts, threads, bends, installs and repairs and replaces a variety of pipes, pipe fittings, valves, connections, conveyances for water, gas, air, waste and steam distribution systems to repair or prevent leaks and clogs, to prevent weakening, and to ensure the most efficient operation of the system;

Operates welding equipment, torches, pipe threads, pipe bending and other machinery to cut, bend, fit and install pipes and plumbing fixtures;

Reads blueprints, sketches, drawings and detailed instructions to determine pipe size, location, angles of bends, etc;

Installs, repairs and maintains furnaces, air conditioners, pumps, fans, plumbing fixtures, toilets, showers, drains, sinks, radiators, and other equipment ensuring that they function efficiently and effectively;

Installs, repairs and replaces thermostats, terminal boxes, switch boxes, meters, and other monitoring devices, both mechanical and automated;

Installs, repairs and troubleshoots computerized direct digital control systems for HVAC and related equipment;

Participates in the installation of sewage connections to ensure that work is performed in accordance with trade standards;

Insures that work areas kept in a clean, orderly and safe condition;

Operates snow and ice control vehicles, as necessary;

Participates in other types of repair or installations as a member of a maintenance/repair team;

Performs a variety of routine and emergency maintenance and related custodial duties as required.

### **FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of the standard practices, procedures, materials and safety precautions of the plumbing and pipe-fitting trades;

Thorough knowledge of the tools, techniques and terminology associated with the plumbing and pipe-fitting trade;

Thorough knowledge of the accident and safety precautions of the plumbing and pipe-fitting trade;

Ability to anticipate maintenance and repair needs, to plan plumbing repair and installation projects in the most economical and efficient manner, and to estimate cost and manpower requirements;

Ability to work from plans and specifications and to follow rough sketches and oral instructions;  
Ability to work effectively with others in carrying out work projects;  
Resourcefulness in troubleshooting plumbing problems;  
Initiative in seeking new and improved work methods;  
Dependability;  
Ability to perform in a reasonable manner the essential functions of the position;  
Physical condition to commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

Graduation from high school or possession of an equivalency diploma and four years of experience under a master-level Plumber which provided training equivalent to that given in a journey-level program and one year of commercial or industrial plumbing trade experience at the journey-level.

NOTE: Journey-level training in the plumbing trade or training obtained by the completion of technical courses in the plumbing trade at a school, institute or branch of the Armed Services may be substituted for the above experience on a year for year basis up to four years.