

**Purpose:**

Installs, maintains, and repairs pipes and fixtures associated water distribution, and sanitation systems in residential and commercial structures. Inspects drainage and other plumbing systems for compliance with local and national regulations

Duties & Responsibilities

Interprets blueprints and building specifications to map layout for pipes, drainage systems, and other plumbing materials

Installs pipes and fixtures, such as sinks and toilets, for water, gas, steam, air, or other liquids

Installs supports for pipes, equipment, and fixtures prior to installation

Assembles fittings and valves for installation

Modifies length of pipes, fixtures, and other plumbing materials as needed for a building

Uses saws and pipe cutters as necessary

Installs heating including water heaters

Collaborates with contractors, construction workers, electricians, pipefitters, and steamfitters in installing and repairing plumbing

Tests plumbing systems for leaks and other problems

Analyses problem and identifies appropriate tools and materials for repair

Chooses plumbing materials based on budget, location, and intended uses of building

Follows health and safety standards and complies with building codes

Writes report documenting the problem and summary of actions taken

Performs inspections of plumbing systems to identify and replace worn parts



Oversees apprentices

Knowledge skills & Abilities:

Read blueprints and other technical documents to assess building needs and pipe/plumbing fixture plans

Work with contractors to assess client needs and plan plumbing layout

Determine materials needed for each new project

Install, assemble, maintain, and repair pipes and plumbing fixtures

Affix clamps, screws, brazing, soldering, welds, etc. to pipes and tubes

Measure and modify pipes accordingly by cutting, threading, or bending pipes by using specialized tools

Install and/or repair household appliances like dishwashers, water heaters, toilets, sinks, etc.

Diagnose plumbing problems and work to resolve any issues

Repair or replace damaged parts

Locate and repair water line leaks and remove clogs

Train new apprentices in proper plumbing techniques and practices

Confirm pipe system is air/watertight by performing pressure tests

Keep detailed notes and create work reports documenting projects

Test plumbing and other installed fixtures to ensure proper functioning

Educate clients on and install “green” fixtures like grey water systems, reduced water flow faucets, low-flush toilets, etc.

Follow state laws and regulations and adhere to local building codes

Minimum Job requirements

High school diploma or GED equivalent

Proof of completed apprenticeship



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Vocational certification or associate degree preferred

4 + years' relevant trade experience

Experience reading technical designs and blueprints

Proficiency using plumbing tools, materials, and equipment

Expert knowledge in piping and ventilation systems

Understands and follows state regulations

Available to work on call and respond immediately to plumbing emergencies

CONDITIONS OF EMPLOYMENT:

Successful candidate must submit to post offer, pre-employment physical examination/medical history check.

Possession of a valid Florida driver's license is a requirement for this job.

WORKING CONDITIONS AND PHYSICAL EFFORT:

Work involves almost constant exposure to unusual elements, such as extreme temperatures, toxic chemicals, biohazardous materials, dirt, dust, fumes, smoke, and/or loud noises.

Considerable physical activity. Requires heavy physical work; heavy lifting, pushing, or pulling required of objects up to 80-100 pounds. Physical work is a primary part (more than 70%) of job.

Work environment involves exposure to potentially dangerous materials and situations that require following extensive safety precautions and may include the use of protective equipment.



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