

San Diego Community College District

CLASSIFICATION DESCRIPTION

Title: Plumber - I
Unit: Maintenance & Operations

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Job Code: E1344
Original Date: 11/1985
Last Revision: 01/2016
Staff Type: Classified
FLSA status: Non-exempt
Salary Range: 29

DEFINITION

Under the direction of the District Facilities Supervisor-Building and Grounds or the Plumber-II, perform semi-skilled and skilled work and assist the Plumber-II and HVAC Mechanics in performing skilled plumbing installation, repair, and maintenance on a variety of plumbing and HVAC systems and equipment.

DISTINGUISHING CHARACTERISTICS

This is the journey level classification of the plumber series. Incumbents perform semi-skilled to skilled work independently and assist the Plumber-II in the performance of skilled work as assigned. The more difficult or complex work is assigned to the Plumber-II who also functions as the lead person.

EXAMPLE OF DUTIES

1. Install, maintain, and repair plumbing and HVAC equipment and fixtures; repair water, gas, and sewer systems; install and maintain steam and hot water heating systems; repair broken valves, hydrants, and fire sprinkler systems; service pipes and drinking fountains.
2. Operate pipe cutters, reamers, threading machines, sewer tapes, cables, and other plumbing tools and equipment.
3. Work from sketches, drawings, and blueprints to install, connect, and repair equipment, such as Heating-Venting-and-Air-Conditioning equipment, dish and clothes washing machines, vacuum breakers, backflow devices, gas safety appliances, steam tables, lavatories, floor and chemistry sinks, drains, sump and circulatory pumps, hot water heaters and tanks, showers, swimming pools, gas ranges, valves, fittings, and appurtenances, and copper, lead, brass, iron, steel, tile, and other pipes and their fittings.
4. Repair air and welding systems.
5. Estimate labor and material costs; prepare job progress reports and maintain records.
6. Requisition materials and supplies; assure proper inventory levels.
7. Inspect gas heaters, safety devices, HVAC equipment, and plumbing facilities for proper operation.
8. Provide work direction and guidance to helpers.
9. Perform related duties as assigned.

DESIRABLE QUALIFICATIONS

Knowledge:

- Basic principles of electricity as related to HVAC equipment.
- Methods of design, construction, installation, repair, and maintenance of plumbing fixtures, HVAC equipment, and appliances.
- Modern practices, materials, and tools of the plumbing trade.
- Oral and written communications skills.

Record-keeping techniques.
State and local plumbing codes and safety precautions.
Technical aspects of field of specialty.

Skills and Abilities:

Communicate effectively both orally and in writing.
Establish and maintain effective working relationships with others.
Install, repair, and maintain all types of plumbing and HVAC fixtures and equipment.
Interpret and work from penciled sketches, drawings, plans, and blueprints.
Maintain records and prepare reports.
Make simple arithmetic calculations.
Plan and direct the work of assigned helpers.
Safely perform plumbing and HVAC repairs.
Understand and follow oral and written directions.
Use hand and power machine tools of the plumbing trade.

License:

Valid California driver's license.

Training and Experience:

Any combination of training and experience equivalent to: five years in the trade, including one year journey level experience including plumbing and HVAC repairs.

WORKING CONDITIONS

Physical Requirements:

Category I

Environment:

May include less desirable extremes. Hazards may include electricity, sewage, and wet and slippery conditions.