

SOUTHWESTERN COMMUNITY COLLEGE DISTRICT

CLASS TITLE: HVAC MECHANIC

BASIC FUNCTION:

Under the direction of the Maintenance Supervisor, perform skilled mechanical work in repair, inspection, servicing and alteration of District heating, ventilating, refrigeration and air conditioning systems and related equipment and facilities; assist in performing other skilled maintenance duties as assigned.

REPRESENTATIVE DUTIES:

Service, maintain and repair HVAC equipment including heating, ventilation, compressed air, air conditioning and refrigeration equipment such as steam and hot water boilers, forced air converter units and pumps. *E*

Locate and acquire parts necessary for repair or maintenance. *E*

Perform electrical, pneumatic and mechanical testing of equipment. *E*

Diagnose mechanical and electrical problems; repair or replace defective parts in units and equipment and controls. *E*

Check and replace generators and other equipment; clean and adjust pilots; repair pipes as necessary. *E*

Test water samples and adjust chemical feeding equipment for proper water treatment. *E*

Operate a variety of tools and power equipment including electrical, air, water, freon, and natural gas testing equipment. *E*

Rebuild pressure and temperature safety valves and water pumps as necessary.

Perform brazing, soldering and welding as necessary.

Assist in performing other skilled maintenance duties as assigned.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Manual and electrical tools and equipment applicable to HVAC trade.

Welding and soldering techniques.

Methods and use of test equipment.

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Ewing & Company

Health and safety regulations.
Record keeping techniques.
Technical aspects of field of specialty.

ABILITY TO:

Use a variety of tools and machines utilized in the basic trade.
Work from blueprints, shop drawings and sketches.
Work independently with little direction.
Understand and follow oral and written instructions.
Plan and organize work.
Maintain records and prepare reports.
Perform other skilled maintenance duties as assigned.
Operate a truck, observing legal and defensive driving practices.
Determine appropriate action within clearly defined guidelines.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: four years of training or experience which demonstrates journey-level skill in the assigned trade.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license and a safe driving record.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor environment.
Driving a vehicle to conduct work.

PHYSICAL ABILITIES:

Climbing ladders.
Standing for extended periods of time.
Lifting moderately heavy objects.
Hearing and speaking to exchange information.
Heavy physical labor.
Seeing to diagnose problems and make repairs.

HAZARDS:

Working at heights.