

HVAC TECHNICIAN

DEFINITION:

Under general direction, to perform skilled work in the maintenance, installation and repair of building heating, ventilation, and air conditioning systems and controls; and to perform other related work as required.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Depending on the assignment, duties may include but are not limited to the following.

Installs, maintains and repairs heating, air conditioning and ventilation systems and equipment, including but not limited to compressors, evaporators, dryers, thermal expansion, valves, fans and strainers.

Maintains heat pumps, electric heating systems, refrigerators and freezers.

Establishes and maintains records of preventative maintenance programs and other records of work performed.

Inspects and tests heating systems, repairs pneumatic, electric or electronic control systems.

Overhauls pumps, motors, fans and related air handling and distribution equipment.

Repairs thermostats, temperature control valves, damper operating devices, boiler controls, and safety devices.

Repairs and installs HVAC metal louvers.

Operates, tests and repairs gas piping systems and appliances.

Lays out work, interprets blueprints and updates blueprints as necessary.

Directs the work of assigned help.

Does arc and acetylene welding, tests boiler water, covers pipe and boiler with insulation.

Performs sheet metal layout and fabrication.

Performs combustion analysis; adjusts burners and controls accordingly.

Maintains swimming pool boiler and pump systems when needed.

QUALIFICATIONS:

Knowledge of:

Safe work practices including OSHA regulations, as they relate to the position;

Building codes and regulations as they relate to the position;

The proper operation of tools, materials, and equipment used in the HVAC trades;

Procedures used in the maintenance and repair of heating and ventilation equipment, water systems and drains;

Computerized energy management systems.

Ability to:

Estimate the scope of each work assignment and secure necessary tools and equipment to complete the assignment;

Work from sketches, drawings and blueprints;

Read and write English at a level sufficient to successfully perform the duties associated with the position;

Identify workplace hazards and/or unsafe conditions and take appropriate action to correct same;

Perform heavy physical labor including but not limited to the ability to lift up to 50 lbs. without assistance and up to 100 lbs. with proper tools or assistance;

Understand and carry out oral and written directions;

Establish and maintain cooperative working relationships with those contacted in the course of work.

Education: Combination of training and experience equivalent to completion of a full four-year apprenticeship program in the heating, ventilation and air-conditioning trades.

Experience: One year of journey-level experience installing, maintaining, inspecting and repairing standard heating, ventilation and air-conditioning equipment.

LICENSES AND CERTIFICATES:

Possession of EPA Refrigerant Transition and Recovery Certification, Type 1 and Type 2 minimum is a continuous requirement.

Possession of a valid California driver's license with no restrictions which would preclude driving on the job is a continuous requirement.

OTHER CONDITIONS OF EMPLOYMENT:

In accordance with California law and the Education Code, position incumbents must maintain a conviction free Dept. of Justice background record which is relevant to the position.

Salary Range: 81

N: 01/80, R: 03/80, R: 11/85, R: 11/91, R: 10/98