

HVAC MECHANIC

CLASS SUMMARY

Under general supervision coordinates and performs skilled electrical and mechanical work in the installation, maintenance and repair of refrigeration, heating, ventilating and air conditioning equipment; directs and coordinates the work of assigned District personnel and outside contractors; and does other related maintenance work as required.

RESPONSIBILITIES

Inspects and examines refrigeration and air conditioning equipment to locate defects in operation; disassembles units and restores to operating condition; repairs or replaces condensers, compressors, pumps and other parts; refills or adds refrigerant as required; does service and preventive maintenance on cooling towers and evaporative condensers; does water treatment and testing on open and closed systems; inspects and tests refrigeration systems, safety devices and controls for efficiency of operation and compliance with safety practices, laws and regulations; troubleshoots and takes necessary corrective action for malfunctions and breakdowns of refrigeration and air conditioning units, subsystems and component parts; does welding; reads and interprets blueprints; changes filter media on a regular basis; orders parts and supplies as needed; does related work on heating and exhaust systems; directs and coordinates the work of assigned Skilled Maintenance Workers, Maintenance/Utility Workers on HVAC projects; inspects equipment, buildings, utility systems or other facilities needing heating and cooling work; estimates time, materials and cost involved; develops and maintains preventive maintenance procedures, records and reports; performs other duties as required.

ORGANIZATIONAL RELATIONSHIPS

This position reports to the Plant Manager.

DESIRABLE QUALIFICATIONS GUIDE

Training and Experience

Equivalent to graduation from high school, completion of apprenticeship and two (2) years of experience as a journey-level refrigeration; air conditioning mechanic.

Knowledge and Abilities

Knowledge of: Design, operation, maintenance, control and repair of refrigeration and air conditioning systems; instruments and equipment used in repair of refrigeration and air conditioning equipment; existing laws relating to operation of refrigeration and air conditioning

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systems; standard safety regulations; calibration, thermostat adjustments, damper adjustments, unit balancing, contractors, and relays; control systems including pneumatic, electric, electronic, and fluidic; basic installation and alteration of electrical systems related to HVAC; basic plumbing; proper methods, materials, tools, and equipment used in the HVAC trade as well as maintenance trades in general.

Ability to: Perform, direct, and coordinate skilled work in installation, maintenance, and repair of refrigeration, heating, ventilation and air conditioning equipment; interpret and work from plans, diagrams, specifications and established procedures; follow verbal and written directions; read and write at the level required for successful job performance; direct and coordinate the work of others; work effectively with others; provide leadership and direction to employees; perform math at a level applicable to this mechanical trade; maintain written records; maintain tools and equipment in clean working order and insure security; assess the job and accomplish the duties without direct and continual supervision; adjust to changes in work loads and assignments; respond to emergency calls and report for duty at other than assigned hours.

Physical Requirements

Performs heavy mechanical labor with strength to lift, carry and/or push 100 pounds with frequent lifting and/or carrying of objects weighing up to 50 lbs; climb stairs and ladders.

License(s) Required: Possession of a valid California driver's license with a driving record that meets minimum standards established by the District's insurance carrier.