

WELDER/SHEETMETAL WORKER

DEFINITION

Under supervision of Utilities Supervisor perform skilled work in the repair, fabrication, maintenance, and replacement of a variety of metal work systems; to accomplish a variety of skilled sheet metal work and welding throughout the district.

TYPICAL DUTIES

Performs journey level sheet metal work, including some pattern layout, cutting, forming, bending, riveting, soldering, sweating and seaming; fabricates, repairs and performs preventive maintenance on instructional and non-instructional equipment, gates, fences, structures, ventilating systems, gutters, downspouts, drain and vent pipes and flashing using a variety of metals, and/or related materials. Order, receive, and inventory materials of the trade. Safely operate forklift, power and hand tools, and shop machinery. May assist or direct other workers on assigned projects; performs related work as required.

Perform journey-level welding responsibilities of the position; prepare objects for welding using approved industry standards; set up and adjust acetylene and electric arc welding equipment; fabricate or repair metal articles such as brackets, pipe hangers, braces, mower blades, tools, and automotive parts and machinery; perform electric arc and acetylene welding on equipment, including pipe, tanks, machine parts, metal structures, gates, fences, structures, fixtures, and fittings; cut and braze non-ferrous metals; inspect, brush and grind welds; design, lay out, fabricate, erect, and repair steel work of structural or ornamental nature, involving the use of special equipment, including power shears, brakes, and drill press; sharpen tools as required; read and interpret blueprints, diagrams, sketches, and job specifications; maintain equipment and a clean and safe work environment. Perform minor repairs on welding equipment; perform prime coat painting as necessary.

QUALIFICATIONS

EXPERIENCE

Equivalent to completion of apprenticeship in welding/sheet metal trade; four years of journeyman-level experience performing skilled welding/sheet metal work.

EDUCATION

Completion of course necessary to obtain forklift operator certificate or qualify for certificate within six months of hire.

SPECIAL REQUIREMENTS

Within six months of hire obtain a forklift operator certificate. After six months of hire, must maintain a valid forklift operator certificate. Possess and maintain a valid welder's license. Possess and maintain a valid California Driver's License in compliance with Los Rios Board Regulation R-8343; employment is contingent upon meeting the requirements of Los Rios Board Regulation R-8343. This position may require operating a District or personal vehicle in order to complete assigned work within the scope of the position duties. Any offer of employment is contingent upon the successful completion of a medical evaluation.

KNOWLEDGE OF

Acetylene, electric arc welding and brazing of a variety of metals for repairs, alterations, and fabrication; thoroughly familiar with standard industry practices, materials and processes of the welding and sheet metal trade; methods, tools and equipment used in sheet metal trade; blueprint reading and simple pattern layouts; hazards and safety precautions of the trade.

ABILITY TO (Essential Functions)

Perform the basic functions of the position; perform preventive maintenance associated with the trade; make working patterns and perform skilled sheet metal work from sketches; estimate job cost for material and labor; follow instructions; work effectively with others; read and write at the level required for successful job performance; ensure proper placement of ductwork, gutters, downspouts; communicate with co-workers/faculty/staff and students; assist and coordinate work with other trades; prepare records and service reports of materials and time expended; occasionally required to work beyond normal business hours; perform other related duties as required.

Physical and Environmental Factors: May perform hard labor in high and low temperatures; frequent exposure to the sun; occasional contact with oil and grease; works more than 12 feet above ground (frequent climbing on ladders in ceilings, attics, and roofs); frequently works in confined or cramped spaces; works around loud noises and pronounced vibration; regularly works with hazardous materials (may include lead solder, flux, other acids, degreasing cleansers, etc.); frequent exposure to allergens; lifts heavy objects with and without assistance (objects are sometimes elevated from floor levels to above the shoulders); frequently maneuvers, carries, reaches, bends, and crawls in performing daily duties.