



RIALTO UNIFIED SCHOOL DISTRICT CLASSIFIED

WELDER

DEFINITION:

Under the direction of an assigned Administrator or Supervisor, perform skilled journey-level work in the repair of worn or damaged fabricated, machined, cast, forged, or welded parts; perform skilled work using electric arc, and oxygen-acetylene welding equipment; assist other maintenance personnel by performing semiskilled or skilled duties in other maintenance trade areas; perform other job-related work as required and/or as assigned.

ESSENTIAL DUTIES:

- Repair, alter, fabricate, install and maintain various types of metal, parts and equipment utilizing oxyacetylene and electric arc welding, soldering and brazing processes; ensure compliance with established safety guidelines and regulations.
- Inspect, review, and examine materials to be welded; follow specifications and chips or grinds out cracks or holes in materials to be welded.
- Perform brazing, cutting, soldering and welding of various structures, fences, tools, parts, gates, machinery, school and office furniture and other metal items.
- Determine and utilize appropriate metals and materials needed for welding, priming, soldering, cutting, brazing or fabricating.
- Position, fit, and fabricate weld machinery frames, gates, fences, and a variety of other equipment and materials.
- Plan, lay out, assemble, and weld materials applying knowledge of property of metals, effect of heat, and allowances for thickness and weld shrinkage.
- May use a jig, vice or other equipment preparatory to welding, straightening bending pieces of material.
- Chip or grind/sand off excess weld, inspects and examines weld for bead size and penetration.
- Clean and apply flux as necessary to assist in the brazing process.
- Operate a variety of maintenance and construction tools and equipment including drills, grinders and impact wrenches.
- Operate and maintain a variety of welding and metal fabrication equipment.
- Operate heavy equipment, forklifts, telescoping truck and tractors.
- Estimate labor, material, parts and equipment needed for assigned welding projects; monitor inventory levels of parts, supplies and equipment; requisition, receive and store parts, supplies and equipment as directed.
- Maintain various records related to work orders and assigned activities.
- Communicate with personnel and various outside agencies, contractors to exchange information and resolve issues or concerns.
- Maintain shop and work areas in a safe, clean and orderly condition.
- Train, coordinate and provide work direction to assigned maintenance personnel.
- Drive a service vehicle to various sites to conduct work.
- Perform other job-related duties as assigned and/or as required.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

- Materials, tools, and procedures used in performing skilled journeyman level maintenance welding and metal fabrication tasks.
- Basic metal properties, heat treatment, and straightening techniques, and metal fabrication techniques and procedures.
- Applicable building code requirements and the requirements of the state pertaining to school facility maintenance, repair, and construction, specifically pertaining to welding functions and activities.
- Proper methods of storing equipment, materials and supplies.
- Oral and written communication skills.
- Training principles and techniques.
- Recordkeeping techniques.
- Safe working methods and procedures.

ABILITY TO:

- Perform journey-level welding and metal fabrication work in the repair, alteration, fabrication, installation and maintenance of designated equipment and facilities.
- Utilize oxygen-acetylene and arc welding equipment and other tools pertaining to welding and metal fabrication functions.
- Plan, organize, and lay out welding and metal fabrication tasks.
- Estimate labor and material costs accurately.
- Work from diagrams, blueprints, shop drawings, sketches, and material samples.
- Understand and follow oral and written directions.
- Train, coordinate, organize and direct the work of other maintenance personnel.
- Establish and maintain cooperative working relationships.
- Observe health and safety regulations and procedures.
- Communicate effectively, both orally and in writing.
- Work independently with little direction.
- Maintain various records related to work performed.

EDUCATION AND EXPERIENCE:

EDUCATION:

Verification of a High School diploma, a GED certificate, or a higher degree.

EXPERIENCE:

Two years of experience as a journeyman level welder. Recent job-related experience within the last five years is required.

LICENSES, CERTIFICATIONS, AND OTHER REQUIREMENTS:

- Verification of a valid California Motor Vehicle Operator's License.
- Insurability by the District's liability insurance carrier may be required. Finalists scheduled for an interview must provide a current DMV printout (not more than 30 days old) prior to the interview.

PREFERRED QUALIFICATIONS:

Supplemental course work or training in welding, metal fabrication, and other related trade areas is preferred, but not required.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment. Driving a vehicle to conduct work. Noise from equipment operation.

PHYSICAL ELEMENTS:

The physical requirements indicated below are examples of the physical aspects that the position classification must perform in carrying out essential job functions.

- Will frequently exert 75 to 100 pounds of force to lift, carry, push, pull, or otherwise move objects.
- Will involve walking or standing for extended periods of time, and may involve ascending and descending ladders, stairs, scaffolding, and ramps.
- Must possess the ability to hear and perceive the nature of sound.
- Must possess visual acuity and depth perception.
- Must be capable of providing oral information, both in person and over the telephone.
- Must possess the manual dexterity to operate equipment and use hand tools, and handle and work with various objects and materials.

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the job.

POTENTIAL HAZARDS:

Working around and with machinery having moving parts. Working at heights. Regular exposure to fumes, excessive noise, dust and odors. Sparks, hot ashes and hot metals from welding and fabrication. Exposure to hot, cold, wet, humid, or windy conditions caused by weather may occasionally be experienced.

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