

MAINTENANCE III – WELDER

DEFINITION

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

ESSENTIAL DUTIES

- inspects, reviews, and examines materials to be welded
- follows specifications and chips or grinds out cracks or holes in materials to be welded
- positions, fits, and welds machinery frames, gates, fences, and a variety of other equipment and materials
- plans, lays out, assembles, and welds, applying knowledge of property of metals, effect of heat, and allowances for thickness and weld shrinkage
- may use a jib, vice or other equipment preparatory to welding and straightening bent pieces of material
- chips or grinds off excess weld, inspects and examines weld for bead size and penetration
- cleans and applies flux as necessary to assist in the brazing process
- maintains a variety of simple production records and files
- requisitions needed parts and material, and assists in maintaining an adequate inventory of supplies and material
- estimates project labor and material costs
- coordinates and directs the work of helpers
- drives a service vehicle to and from work sites

QUALIFICATIONS

Knowledge of: Materials, tools, and procedures used in performing skilled journeyman level maintenance welding tasks; basic metal properties, heat treatment and straightening techniques, and metal fabrication techniques and procedures; building code requirements and the requirements of the state pertaining to school facility maintenance, repair, and construction, specifically pertaining to welding functions and activities; safe working methods and procedures.

Ability to: Skillfully utilize oxygen-acetylene and arc welding equipment and other tools pertaining to welding and metal fabrication functions; plans, organizes, and lays out welding and metal fabrication tasks; accurately estimates labor and material costs; works from diagrams, blueprints, shop drawings, sketches, and material samples; maintains records and prepares complete and concise reports; understands and follows oral and written directions; establishes and maintains cooperative working relationships.

PHYSICAL DEMANDS

The physical requirements indicated below are examples of the physical aspects that this 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
- exposure to hot, cold, wet, humid, or windy conditions caused by weather may occasionally be experienced

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

EXPERIENCE AND EDUCATION

Experience: Two years of experience as a journeyman level welder.

Education: Verification of a High School diploma, a GED certificate, or a higher degree, supplemental course work or training in welding, metal fabrication, and other related trade areas is desirable.

License Requirement: Possession of a valid California Motor Vehicle Operator's License.

Condition of Employment: 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.**