

WELDER

DEFINITION

Under general supervision, provides work in the repair of ferrous and non-ferrous parts, tools and equipment using basic welding and fabrication techniques.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from Equipment Supervisor. This class does not exercise supervision.

DISTINGUISHING CHARACTERISTICS

Welder is the working-level class in the Combination Welder series. Incumbents operate a variety of hand and electric tools to repair ferrous and non-ferrous parts and equipment using basic welding and fabrication techniques. This class is distinguished from Combination Welder in that incumbents of the latter perform welding and fabrication of complex projects with minimal supervision.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

May include, but are not limited to, the following:

Cleans parts, tools, and equipment using proper methods as necessary to prepare for welding, repair and fabrication.

Selects proper welding equipment and settings, electrode type, materials and preheat for making acceptable welds.

Welds and brazes ferrous and non-ferrous metals using appropriate equipment, such as oxy-acetylene, MIG and TIG.

Performs functions such as fabricating eyebolts, braces, and angle brackets; adds appropriate steel/metal to tools, parts and equipment.

Operates a variety of hand and electric tools, and equipment in performing metal preparation, cutting, forming, fitting, welding and brazing.

Fabricates bumpers, tow bars, ladder racks, tool boxes, and pipe railings from sketches, drawings or as instructed.

Preheats, lays out, cuts, and fits materials for welding per industry standards.

Straightens and repairs bent and damaged parts, equipment and tools.

Drives truck with portable welding equipment to outside projects.

Maintains records and reports on work progress and status.

Performs routine maintenance on welding and fabrication equipment; assists with cleaning shop and work areas.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

Standard practices, methods, materials, and proper use of tools and equipment used in the preparation, welding, brazing, forming, cutting of ferrous and non-ferrous metals.

Occupational hazards, safety precautions, and CAL/OSHA requirements of the trade, including handling of hazardous materials.

Ability to:

Understand and carry out instructions, both in oral and written form.

Read and work from sketches and drawings.

Understand and perform related measurements and mathematical computations.

Establish and maintain effective working relationships with those contacted in the performance of assigned duties.

Skills to:

Operate welding/brazing equipment.

Safely operate a motor vehicle.

Use and maintain tools and equipment common to the welding trade.

Operate modern office equipment including computer equipment and applicable software applications for basic data entry for completion of assigned duties.

