



## PERSONNEL COMMISSION

**Class Code: 0137**  
**Salary Range: 31 (C2)**

### WELDER

#### JOB SUMMARY

Under general supervision, to weld, cut, braze and fit a variety of metals including stainless steel, aluminum, and cast iron metals in the shop or in the field; to work metal with various hand and power tools; and to perform related duties as required.

#### EXAMPLES OF DUTIES

*The classification specification does not describe all duties performed by all incumbents within the class. This summary provides examples of typical tasks performed in this classification.*

- Plan work and coordinate with other maintenance shops or a District site. ***E***
- Determine the types of material most appropriate for the job to be performed. ***E***
- Weld metal parts, using gas or electric welding equipment as specified by layout, welding diagram or oral instructions. ***E***
- Lay out, cut, sharpen, bend, draw out, shape and fit various metals for welding; prepare angles and joints for proper fit-ups. ***E***
- Position parts in jigs or fixtures on bench or floor or clamp together; weld such items as boiler tubing, gas and steam pipe, trailer parts, handrails, tanks, pipe sections, fabricated metal parts and frames; inspect welds for porosity and degree of penetration; clean, peen and grind completed welds. ***E***
- Hardface special parts such as power shovel or backhoe teeth and cutting tools and hammers. ***E***
- Operate a variety of power machine tools such as drill press, pedestal grinder, power sheer, hacksaw, brake, power roller, punch, and trip hammer; use hand tools such as chip hammer, level and file. ***E***
- Set up, regulate, maintain, and make repairs to welding equipment. ***E***
- Estimate costs of a job as directed; order and buy materials and supplies. ***E***
- Keep records of time and materials for various jobs. ***E***
- Operate a District vehicle. ***E***

*Note: At the end of some of the duty statements there is an italicized "E" which identifies essential duties required of the classification. This is strictly for use in compliance with the Americans with Disabilities Act.*

#### DISTINGUISHING CHARACTERISTICS

A Welder is a certified journey-level worker who welds a variety of metals such as

stainless steel, cast iron and aluminum in both fabrication and repair work. An incumbent generally receives work in the form of drawings, sketches or oral instructions and usually works with little supervision. A Welder frequently works in awkward positions.

**EMPLOYMENT STANDARDS****Knowledge of:**

Standards and practices of the American Welding Society.  
Reading drawings, diagrams, blueprints, sketches and plans.  
Gas welding equipment and materials used in mig, tig, brazing and soldering.  
Electric welding equipment.  
Symbols of the American Welding Society.  
Properties and composition of ferrous, non-ferrous and alloy metals.  
Safe operation of welding and related shop equipment.  
Types of welds, joints, and welding rods and materials.  
Proper storage of materials and supplies.  
Fabrication and use of templates.  
Mathematics applicable to the welding trade.

**Ability to:**

Plan and coordinate work.  
Read and understand drawings, sketches, blueprints, diagrams and plans.  
Fabricate and repair metal products and equipment.  
Weld ferrous and non-ferrous metals and alloys.  
Safe operation of welding equipment.  
Safe operation of a variety of power and hand tools in the shop and in the field.  
Keep records of time and materials.  
Requisition supplies and materials.  
Estimate cost and time for jobs.  
Follow oral and written directions.  
Operate a vehicle observing legal and defensive driving practices.  
Establish and maintain effective working relationships with others.

**Training:**

Equivalent to graduation from high school.

Completion of a recognized apprentice training program or at least four years of experience as an assistant to a combination welder during which the individual would have had the opportunity to acquire the ability to demonstrate the possession of all required skills, knowledge and abilities necessary to perform such work.

**Experience:**

Four years welding at the journey level may be substituted for the required training.

Any other combination of training and/or experience, which demonstrates that the applicant is likely to possess the required skills, knowledges and abilities, may be considered.

**SPECIAL REQUIREMENTS**

License as a certified welder for structural steel issued by the City of Los Angeles Department of Building and Safety prior to appointment.

Possession of a valid class C California Driver's License is required at the time of appointment and evidence of a safe driving record is required.

An applicant for this class will be required to obtain, at his/her own expense, and submit his/her motor vehicle driving record at the time of appointment. The record must meet and be maintained at the district's safe driving record standard. Failure to meet this requirement will result in the disqualification and/or rejection of the eligible regardless of any other standing.

Incumbents are subject to pertinent provisions of the General Industry Safety Orders of the California Code of Regulations regarding protective equipment when exposed to hazardous materials, including, but not limited to, asbestos and lead. Incumbents in this class are required to wear protective clothing, gear, and equipment as required by law and provided by the District.

**WORKING ENVIRONMENT**

Outdoors occasionally in inclement weather; indoors in District facilities; welding shop; tight spaces; roofs; attics, boiler rooms, trenches, tunnels; exposure to fumes and smoke and radiant heat.

**PHYSICAL DEMANDS**

Lifting up to 70 pounds; climb ladders and scaffolds; reaching overhead above the shoulders; kneeling and bending; dexterity of fingers and hands to operate hand and power tools and equipment.

*AMERICANS WITH DISABILITIES ACT*

Persons with certain disabilities may be capable of performing the essential duties of this class with or without reasonable accommodation, depending on the nature of the disability.

**APPOINTMENT**

In accordance with Education Code Section 45301, an employee appointed to this class must serve a probationary period of six (6) months during which time an employee must demonstrate at least an overall satisfactory performance. Failure to do so shall result in the employee's termination.

PCA: 9/1/1964

Revised: 7/1991

Revised: 3/2/2000

Revised: 4/23/2020