

The Maryland-National Capital Park and Planning Commission

TITLE: Welder  
SERIES: Building Trades

GRADE: T03 CODE: 5170  
DATE: 3/28/02  
FLSA: Non-Exempt

Class Definition

Under general supervision, performs skilled welding work involving moderate responsibility, complexity, and variety. Performs simple projects or assists on major projects to fabricate, modify, rebuild, and repair various types of metal and alloy parts, equipment, and systems at Commission buildings, structures, and property. May guide activities of Trades Trainees and Park/General Maintenance Workers who support skilled trades workers. Work is checked by Inspectors, Trades Shop Supervisors, Lead, and Senior Welders. Performs other related duties as assigned.

Examples of Important Duties:

1. Receives work orders for welding projects. Reads and interprets building plans, blueprints, schematic drawings, and sketches to perform routine welding work.
2. Uses a variety of manual and power tools to perform simple projects or assist Senior Welders on major projects to manufacture, modify, assemble, and repair ferrous and non-ferrous assemblies, structures, and equipment. Performs related trade procedures such as measuring, brazing, soldering, surface hardening, annealing, metal spraying, and flame and arc-cutting, incidental to welding work.
3. Completes required administrative paperwork and recordkeeping.
4. Drives motor vehicles to carry workers and haul tools, equipment, materials, and supplies. Loads and unloads tools, equipment, supplies, and materials. Sets up equipment and tools for safe operation at job sites. Provides routine maintenance of vehicles and equipment. Takes assigned vehicles to garage for maintenance and repairs
5. May guide and check work of Trades Trainees and Park/General Maintenance Workers who support skilled trades workers. Provides instruction on proper procedures and safety.

Important Worker Characteristics:

Knowledge of: (1) standard welding practices and methods; (2) OSHA, MOSH, fire, and building codes; (3) composition and properties of various metals; (4) Commission policies and procedures;\* and (5) hazardous materials.

Skill in operation of: (1) Tig, Mig, gas welding, and arc welding equipment; (2) various welding hand and power tools; (3) shop metal-working equipment; (4) motor vehicles; and (5) light construction equipment (e.g., forklift).

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Important Worker Characteristics: (Cont=d)

Ability to: (1) understand and apply principles to solve practical problems; (2) calculate fractions, decimals, and percentages; (3) read and understand manuals, blueprints, sketches, and drawings; (4) complete work orders and other work related paperwork;\* (5) distinguish different colors; (6) lift up to 100 pounds; (7) acquire CPR and first aid certification;\* and (8) work at heights.

\* Developed primarily after employment.

Minimum Qualifications:

1. H.S. Diploma or GED; and
2. Completion of an approved welding apprentice program or four years of progressively responsible welding experience; or
3. An equivalent combination of education and experience.
4. Valid driver's license.
5. Valid Commercial Driver's License (CDL) with appropriate endorsements may be required.
6. Pass Commission medical examination.

Working Conditions

Indoor/outdoor, exposure to varied weather conditions, confined spaces, heights, dirt, sparks, flames, explosive gases, and chemical odors. Must be available to work during emergencies.