

Welder II

DEFINITION

This is basic foreman level supervisory and/or expert journeyman level work in the trade of Welder.

An employee of this class in addition to performing journeyman level work of the Welder trade, may organize, assign and supervise the duties of other journeymen engaged in the trade and several semi-skilled assistants. Work of this class involves welding repairs, fabrications, and modifications on a variety of equipment and structures including bridge decks, trucks and construction equipment, reinforcement ribs for tunnels, handrails, etc. Work is generally performed independently with considerable latitude for determining specific work methods; work priorities are determined in conjunction with the foreman. Assignments, in the form of oral and/or written instructions, may be accompanied by blueprints or other forms of documentation and are subject to inspection in progress and/or upon completion.

This class is distinguished from the Welder I class where the incumbent may:

- Supervise the work of other journeyman and/or semi-skilled assistants;
- Perform more complex Welder duties, such as those requiring a B Pressure ticket;
- Work in an environment where the support on technical aspects of the job is limited or non-existent and the incumbent performs the diagnosis, specifications and/or design for welding projects;
- Take charge of repair projects at specific job sites with a primary welding content, thus supervising the project or coordinating the work of other journeymen or semi-skilled assistants;
- complete welding projects from other operational areas due to the incumbent's expert level of skill and knowledge of the trade;
- preview jobs in order to determine approximate completion time and resources necessary to complete project; and/or
- Be primarily responsible for modification and redesign of manufactured products and components to meet a specific operational area's requirements.

TYPICAL DUTIES *

Organizes, supervises and participates in the work of other journeymen and apprentices involved in welding, cutting, soldering and brazing tasks on a variety of equipment and structures in the shop or on field job sites.

Orders materials and supplies for welding shop when instructed by foreman.

Operates acetylene and electrical welding equipment, band saws, sanders, hydraulic presses, pipe traders and various hand tools to prepare work pieces.

Heats, bends and straightens work pieces.

Fabricates specific items with/without specific blueprints and technical support

Cleans chips and grinds cracks and joints in work pieces, using solvents, wire brush, chisel and portable grinders.

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Chips and grinds off excess weld, slag, spatter, rough spots and burrs.

Keeps minor records and performs simple administrative tasks.

Performs other related duties as required.

KNOWLEDGE, ABILITIES AND SKILLS

Expert level knowledge of the standard methods, practices, materials, tools and equipment of the Welder trade.

Considerable knowledge of the science pertaining to metals, alloys, combustion gases, basic electricity and the effects of expansion and shrinkage on metal due to heat.

Considerable knowledge of the occupational hazards and safety precautions of the trade.

Ability to supervise and assign work to other journeymen, apprentices and labourers.

Ability to understand and execute oral and written instructions and to read blueprints and interpret plans and specifications.

Skill in the use and care of a variety of welding and cutting hand and bench tools and equipment.

TRAINING AND EXPERIENCE REQUIREMENTS

Job Level

Certified Alberta Journeyman in the trade of Welder, with a minimum of 5 years experience at the journeyman level.

For supervisory positions, demonstrated supervisory ability is required, along with completion of Level I Foremanship Training or an equivalent recognized by the City of Edmonton; incumbents must successfully complete the Leading People for Results program upon appointment.

Possession of a Class 5 Alberta Motor Vehicle Operator's License.

Drainage Services:

The City of Edmonton is required to meet Alberta Environment Wastewater Collection Certification requirements for Drainage Services positions under this classification. All employees are required to obtain Level I Wastewater Collection Certification under the Alberta Environment Certificate program within 2 years of appointment to a permanent position within this class. Once the required level of certification is attained, the employee will transfer to the certified job code for this class, with the commensurate rate of pay.

The Drainage Branch reserves the right to waive the certification requirement for:

- an individual employee after 2 unsuccessful attempts at attaining the certification in a 2 year time frame or for
- a posted Design & Construction Section vacancy, where specific circumstances warrant,

provided that such waiver does not jeopardize the branch's ability to meet Alberta Environment certification requirements. The following classifications in the Drainage Operations Section will continue to require certification and incumbents will not be eligible for waiver of the certification requirement under any circumstances - these classifications are: Drainage Supervisor, Drainage Trainer, Training & Safety Instructor, Drainage Leader II, Maintenance Repairman II, and Pumpwell Millwright II.

* *This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

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Salary Plan	10M	10A	10B	10C
Drainage Uncertified Grade	0149 045			
Drainage Certified Grade	2204 129			

Last Updated:
Originated: