

Plumber

SUMMARY/PURPOSE

To perform skilled plumbing work on plumbing, heating, air-conditioning, and irrigation systems.

SUPERVISION RECEIVED

For both one-of-a-kind and repetitive tasks, the supervisor makes specific assignments that are accompanied by clear, detailed, and specific instructions. Incumbents work as instructed and consult with the supervisor.

SUPERVISION GIVEN

Does not supervise.

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Perform skilled plumbing work in the installation, maintenance, and repair of plumbing, heating, air-conditioning, and irrigation systems.
2. Install, maintain, and make repairs to plumbing, heating, water, and sewer systems in City structures.
3. Install, maintain, and make repairs to all plumbing and related appurtenances.
4. Install washbasins, urinals, toilet bowls, and toilet tanks.
5. Perform all types of piping joints and hanger welding.
6. Review and interpret blueprints.
7. Install and make repairs to lawn sprinkler systems.
8. Determine modifications required when obstructions are met while installing plumbing/heating systems.
9. Maintain and make repairs to ventilation systems.
10. Ensure a safe work environment.
11. Prepare seasonal plumbing systems by winterizing as required.
12. Operate power hand tools and motorized equipment.
13. Install, maintain, and make repairs to steel fence and guardrails.
14. Maintain and make repairs to equipment and tools.
15. Attend related training sessions.
16. Assist other journeypersons as necessary.
17. Be an effective team member by exhibiting self-motivation, supporting other employees in handling tasks, interacting effectively and respectfully with others, showing a desire to contribute to the team effort, accepting assignments willingly, and completing tasks within agreed upon timelines.
18. Other duties may be assigned.

JOB REQUIREMENTS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed are representative of the knowledge, skills, and abilities required.

1. Education & Experience Requirements
 - A. A minimum of three (3) years of verifiable professional experience as a licensed Journeyperson Plumber which includes experience in operation, maintenance, and repair of plumbing systems and fixtures, steam and hot water heating systems, and oil and gas warm air heating systems.
2. License Requirements
 - A. Possess and maintain a valid Minnesota Journeyperson Plumber license.
 - B. Possess and maintain a valid Minnesota Class D driver's license or privilege.
3. Knowledge Requirements
 - A. Knowledge of Minnesota plumbing codes.
 - B. Knowledge of all other laws and rules regulating sanitary plumbing practices.
 - C. Knowledge of the tools, equipment, and materials used in the plumbing trades.

- D. Knowledge of hydraulics as related to flow rates, pipe sizes, and water pressure.
 - E. Knowledge of wiring involved with heating and cooling controls.
 - F. Knowledge of pneumatic controls.
 - G. Knowledge of heating, ventilation, and air-conditioning systems and associated pumps.
 - H. Knowledge of the methods used in the installation, operation, and maintenance of irrigation systems.
 - I. Knowledge of sheet metal and ducting.
 - J. Knowledge of applicable safe work practices and procedures.
 - K. Knowledge of problem-solving and conflict-resolution techniques.
 - L. Knowledge of applicable safety requirements.
 - M. Knowledge of, or the ability to learn, City policies and procedures.
4. Skill Requirements
- A. Skill in the operation and maintenance of plumbing systems and fixtures.
 - B. Skill in the operation and maintenance of steam and hot water heating systems.
 - C. Skill in the operation and repair of oil and gas warm air heating systems.
 - D. Skill in the operation and maintenance of aquatic pools, including filtration systems, circulation pumps, injection pumps, and related equipment.
 - E. Skill in the operation and maintenance of decorative fountains.
 - F. Skill in the operation of large compressors (up to 1000 CFM), generators, and power threading equipment.
 - G. Skill in the operation of office equipment including, but not limited to, general computer systems, job required software applications, the internet, and modern office equipment.
 - H. Skill in managing one's own time.
 - I. Skill in completing assignments accurately and with attention to detail.
5. Ability Requirements
- A. Ability to read and interpret blueprints, diagrams, and manuals.
 - B. Ability to weld/braze.
 - C. Ability to perform mechanical work.
 - D. Ability to erect ladders and scaffolding in a safe manner.
 - E. Ability to use power hand tools.
 - F. Ability to recognize safety hazards and to take appropriate precautions.
 - G. Ability to create and maintain a positive working environment that welcomes diversity, ensures cooperation, and promotes respect by sharing expertise with team members, fostering safe work practices, and developing trusting work relationships.
 - H. Ability to communicate and interact effectively with members of the public.
 - I. Ability to communicate effectively both orally and in writing.
 - J. Ability to understand and follow instructions.
 - K. Ability to problem-solve a variety of situations.
 - L. Ability to set priorities and complete assignments on time.
 - M. Ability to attend work as scheduled and/or required.

Physical Demands

The work requires considerable and strenuous physical exertion such as frequent climbing of tall ladders, lifting heavy objects over 50 pounds, crouching or crawling in restricted areas.

Work Environment

The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress requiring a range of safety and other precautions (e.g., working at great heights under extreme outdoor weather conditions, or in similar situations in which conditions cannot be controlled).

HR: LD	Union: Basic	EEOC: Skilled Craft Workers	CSB: 03/01/2022	Class No: 5204
WC: 5183	Pay:	EEOF: Housing	CC:	Resolution:

PLUMBER

Plumber

SUMMARY/PURPOSE:

To perform skilled plumbing work on plumbing, heating, air-conditioning and irrigation systems.

FUNCTIONAL AREAS:

1. SUPERVISION RECEIVED

For both one-of-a-kind and repetitive tasks, the supervisor makes specific assignments that are accompanied by clear, detailed, and specific instructions. Incumbents work as instructed and consult with the supervisor.

SUPERVISION GIVEN

Does not supervise.

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Perform skilled plumbing work in the installation, maintenance, and repair of plumbing, heating, air-conditioning, and irrigation systems.
2. * A. Install, maintain, and make repairs to plumbing, heating, water, and sewer systems in City structures.
3. * B. Install, maintain, and make repairs to all plumbing and related appurtenances.
4. * C. Install wash basins, washbasins, urinals, toilet bowls, and toilet tanks.
5. * D. Perform all types of piping joints and hanger welding.
6. * E. Review and interpret blueprints.
7. * F. Install and make repairs to lawn sprinkler systems.
8. * G. Determine modifications required when obstructions are met while installing plumbing/heating systems.
9. * H. Maintain and make repairs to ventilation systems.
10. * I. Ensure a safe work environment.
11. * J. Prepare seasonal plumbing systems by winterizing as required.
12. * K. Operate power hand tools and motorized equipment.

2. Perform related work.

13. * A. Install, maintain, and make repairs to steel fence and guardrails.
14. * B. Maintain and make repairs to equipment and tools.
15. * C. Attend related training sessions.
16. * D. Assist other journeypersons as necessary.
17. Be an effective team member by exhibiting self-motivation, supporting other employees in handling tasks, interacting effectively and respectfully with others, showing a desire to contribute to the team effort, accepting assignments willingly, and completing tasks within agreed upon timelines.
18. Other duties may be assigned.

JOB REQUIREMENTS

1. LICENSE:

- * A. Possession of a State of Minnesota Journeyperson Plumber license.
- B. Ability to obtain a Minnesota 2nd Class Engineer license if required by the Employer.
- * C. Possession of a Minnesota Class "D" driver's license or privilege by the date of appointment and thereafter.

~~D. Ability to obtain a Minnesota Class "B" driver's license or privilege if required by the Employer.~~

~~2. EXPERIENCE:~~

~~* Two (2) To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed are representative of the knowledge, skills, and abilities required.~~

~~1. Education & Experience Requirements~~

~~A. A minimum of three (3) years of verifiable professional experience as a licensed Journey person Plumber which includes experience in operation, maintenance, and repair of plumbing systems and fixtures, steam and hot water heating systems, and oil and gas warm air heating systems.~~

~~3. KNOWLEDGE:~~

~~2. * A. License Requirements~~

~~A. Possess and maintain a valid Minnesota Journey person Plumber license.~~

~~B. Possess and maintain a valid Minnesota Class D driver's license or privilege.~~

~~3. Knowledge Requirements~~

~~A. Knowledge of Minnesota plumbing codes.~~

~~B. B. Knowledge of all other laws and rules regulating sanitary plumbing practices.~~

~~C. Knowledge of the tools, equipment, and materials used in the plumbing trades.~~

~~D. D. Knowledge of hydraulics as related to flow rates, pipe sizes, and water pressure.~~

~~E. E. Knowledge of wiring involved with heating and cooling controls.~~

~~F. F. Knowledge of pneumatic controls.~~

~~G. * G. Knowledge of various types of pumps involved in plumbing, heating, and cooling ventilation, and air-conditioning systems and associated pumps.~~

~~H. H. Knowledge of the methods used in the installation, operation, and maintenance of irrigation systems.~~

~~I. I. Knowledge of sheet metal and ducting.~~

~~J. * J. Knowledge of applicable safe work practices and procedures.~~

~~4. SKILLS:~~

~~K. * A. Knowledge of problem-solving and conflict-resolution techniques.~~

~~L. Knowledge of applicable safety requirements.~~

~~M. Knowledge of, or the ability to learn, City policies and procedures.~~

~~4. Skill Requirements~~

~~A. Skill in the operation and maintenance of plumbing systems and fixtures.~~

~~B. * B. Skill in the operation and maintenance of steam and hot water heating systems.~~

~~C. * C. Skill in the operation and repair of oil and gas warm air heating systems.~~

~~D. D. Skill in the operation and maintenance of aquatic pools, including filtration systems, circulation pumps, injection pumps, and related equipment.~~

~~E. E. Skill in the operation and maintenance of decorative fountains.~~

~~F. F. Skill in the operation of large compressors (up to 1000 CFM), generators, and power threading equipment.~~

~~5. ABILITIES:~~

- G. * ~~A. Skill in the operation of office equipment including, but not limited to, general computer systems, job required software applications, the internet, and modern office equipment.~~
- H. Skill in managing one's own time.
- I. Skill in completing assignments accurately and with attention to detail.

5. Ability Requirements

- A. Ability to read and interpret blueprints, diagrams, and manuals.
- B. ~~B. Ability to weld/braze.~~
- C. * ~~C. Ability to perform mechanical work.~~
- * ~~D. Ability to understand and follow oral and written instructions.~~
- D. * ~~E. Ability to erect ladders and scaffolding in a safe manner.~~
- E. * ~~F. Ability to use power hand tools.~~
- F. * ~~G. Ability to recognize safety hazards and to take appropriate precautions.~~
- G. * ~~H. Ability to ~~establish~~create and maintain ~~effective~~a positive working environment that welcomes diversity, ensures cooperation, and promotes respect by sharing expertise with team members, fostering safe work practices, and developing trusting work relationships ~~with co-workers and the general public.~~~~
- H. * ~~I. Ability to stand, walk, kneel, crouch, stoop, communicate and crawl as needed to perform plumbing activities interact effectively with members of the public.~~
- I. * ~~J. Ability to lift and transport (usually by carrying) supplies, tools, communicate effectively both orally and equipment in writing.~~
- J. Ability to understand and follow instructions.
- K. Ability to problem-solve a variety of situations.
- L. Ability to set priorities and complete assignments on time.
- M. Ability to attend work as scheduled and/or required.

Physical Demands

The work requires considerable and strenuous physical exertion such as ~~a power threader weighing 90~~ frequent climbing of tall ladders, lifting heavy objects over 50 pounds, crouching or crawling in restricted areas.

* ~~Essential functions, or job requirements necessary on the first day of employment.~~

Work Environment

The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress requiring a range of safety and other precautions (e.g., working at great heights under extreme outdoor weather conditions, or in similar situations in which conditions cannot be controlled).

HR: <u>LD</u>	Union: Basic	EEOC: Skilled Craft Workers	CSB: <u>20020806</u>	Class No: 5204
WC: 5183	Pay: <u>29</u>	EEOF: Housing	CC: <u>20020909</u>	Resolution: <u>02-0604R</u>