



Provincial Job Description

TITLE:
(142) Steamfitter - Pipefitter

PAY BAND:
16

FOR FACILITY USE:

SUMMARY OF DUTIES:

Installs, maintains and repairs piping systems and their components.

QUALIFICATIONS:

- ◆ **Journeyman Steamfitter - Pipefitter certification**
 - ◆ **Domestic Gasfitter License**
 - ◆ **General Gasfitter License**

KNOWLEDGE, SKILLS & ABILITIES:

- ◆ **Basic computer skills**
- ◆ **Ability to work independently**
- ◆ **Communication skills**
- ◆ **Organizational skills**
- ◆ **Interpersonal skills**
- ◆ **Valid driver's license**

EXPERIENCE:

- ◆ **Previous:** Nine (9) months post-ticket experience in an industrial/institutional/commercial maintenance environment.

KEY ACTIVITIES:

A. Preventative Maintenance

- ◆ Participates in preventative maintenance program and assists in its on-going development.
- ◆ Performs filter changes on hydronic heating systems, control air and air-handling units.
- ◆ Lubricates mechanical equipment (e.g., pumps, compressors and various equipment bearings).
- ◆ Assists HVAC personnel with service of HVAC systems.
- ◆ Aligns pump motor to pump shaft.
- ◆ Cleans condensate traps and equipment strainers.
- ◆ Checks fluid levels, temperature and pressure within heating/cooling systems.
- ◆ Adjusts steam station pressure-reducing valves.
- ◆ Maintains correct glycol concentration in freeze-protected heating systems.

B: Repair

- ◆ Troubleshoots and repairs plumbing systems, boilers, hydronic heating systems, humidifiers, kitchen equipment, equipment fillers and strainers, natural gas appliances, steam stations and steam operated equipment, and all related controls.
- ◆ Repairs and/or diagnoses cooling system issues.
- ◆ Assists in the repair of ventilation equipment (e.g., exhaust fans, air handlers and mixing boxes).
- ◆ Repairs reverse osmosis water processing, medical gas systems and specialty piping (e.g., lab and home dialysis).
- ◆ Find or fabricate suitable substitutions for obsolete parts.

C. Installation

- ◆ Installs new mechanical equipment (e.g., pumps, compressors, air dryers, converters, heat exchangers, relief valves, pressure-reducing valves, condensate tanks, recirculation pumps, booster pumps, pneumatic controls, coils, isolation valves, 3-way valves and condensate traps).
- ◆ Designs layout and installs low, medium, and high pressure steam systems, hydronic heating systems, cooling systems and associated controls; ensures they meet code requirements.
- ◆ Fabricates and welds piping/equipment supports, brackets and guides.
- ◆ Fits up and prepares piping requiring welded joints.
- ◆ Liaises and collaborates with other trades, contractors, consultants and suppliers.
- ◆ Inspects new construction/renovation projects.
- ◆ Researches and recommends new and replacement equipment.
- ◆ Researches and orders parts and materials for installation.
- ◆ Obtains quotes from vendors and suppliers.

D. Related Key Work Activities

- ◆ Maintains accurate records for provincial license requirements.
- ◆ Updates blueprints (as-built drawings) with equipment locations as required.
- ◆ Organizes shutdowns (both planned and emergency) with those it affects.
- ◆ Communicates with provincial inspectors to ensure compliance with code requirements.
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Processes work orders, maintains documentation and records.
- ◆ Ensures all work complies with Infection Prevention and Control Standards (hoarding).
- ◆ Maintains inventory and orders supplies.

E. Project Coordination

- ◆ Plans, coordinates and monitors building, HVAC, renovation and construction projects.

The above statements reflect the general details considered necessary to describe the principal functions of the job and shall not be construed as a detailed description of all related work assignments that may be inherent to the job.

Validating Signatures:

CUPE:

SEIU:

SGEU:

SAHO:

Date: January 18, 2023