



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**
- ◆ **General Gas 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, 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, mixing boxes).
- ◆ Repairs reverse osmosis water processing, medical gas systems, 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, 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, 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.

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 CSA Infection Control Standards (hoarding).**

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: June 05, 2013