
FACILITIES SUBSECTOR COLLECTIVE AGREEMENT BENCHMARK

Job Family: Trades

Class Series: Mechanic

Grid: MA31

Class Title: Refrigeration/Air Conditioning (R/AC)
Mechanic

I. Level Definition

Positions at this level perform skilled heating, ventilation, air conditioning (HVAC), and refrigeration mechanic work at the journeyman level in the fabrication, installation, alteration, repair and/or service of a refrigeration/cooling or air handling system in compliance with applicable codes and regulations.

II. Typical Duties

- (1) Reviews work requests and consults with user departments regarding specifications and other project requirements; interprets blueprints, drawings and specifications to determine the required materials and equipment; calculates materials and labour in estimating the cost of projects and makes recommendations as required.
- (2) Prepares for work projects by performing operational and safety risk assessments, arranges work schedules with user departments, and assembles supplies, tools, and equipment.
- (3) Installs and repairs refrigeration systems such as fridges, freezers, coolers, and ice machines. Installs motors, controls and switches, and threads piping for gas and other fluids.
- (4) Installs and repairs heating, refrigeration/cooling or air handling systems by repairing and replacing components such as compressors, valves, supply and exhaust fans, chillers, heat pumps, and cooling towers. Troubleshoots and adjusts the system-related controls which may include the use of computer software.
- (5) Assigns work tasks to designated staff and provides related training and orientation.
- (6) Maintains an inventory of supplies, equipment and tools; completes related reports and records; recommends purchase of related supplies and equipment.
- (7) Installs, tests, maintains and repairs gas lines specific to HVAC equipment in accordance with the British Columbia Gas Safety Code.
- (8) Performs other related duties as assigned.

III. Qualifications

(1) Education, Training and Experience

Certificate of Apprenticeship or Trades Qualification Certificate as a journeyman Refrigeration and Air Conditioning Mechanic or equivalent Trade, Class B level Gas Fitter's Licence with an electrical endorsement recognized by the Province of BC. Two years' recent, related experience or an equivalent combination of education, training and experience.

(2) Skills and Abilities

- (i) Ability to communicate effectively both verbally and in writing.
- (ii) Ability to deal with others effectively.
- (iii) Physical ability to carry out the duties of the position.
- (iv) Ability to read and interpret blueprints, drawings and specifications.
- (v) Ability to organize work.
- (vi) Ability to operate related equipment.