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## FACILITIES SUBSECTOR COLLECTIVE AGREEMENT BENCHMARK

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**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.