

## Sheet Metal Mechanic

---

### **DEFINITION**

This is journeyman level work in the trade of Sheet Metal Mechanic.

Work of this class involves pattern development, fabrication and assembly or installation of sheet metal fixtures, and related materials used in lieu of sheet metal, in shops or various on site locations. This includes the alteration, repair, maintenance and testing of existing components and materials. Incumbents operate various power tools in the cutting, shaping, forming and joining operations, including soldering, arc-welding and oxyacetylene equipment. Responsibilities include supervision and direction of apprentices or semi-skilled helpers as required. Assignments are received orally or through written work orders and may be accompanied by blueprints, detailed plans, sketches, etc. Work is performed independently with considerable latitude for determining specific job methods, within established procedures and guidelines. Priorities are established by the foreman, and work is subject to inspection during progress and/or upon completion.

### **TYPICAL DUTIES\***

Lays outlines, reference points and dimensions on materials; takes job site measurements using tape measure, square, level and plumb bob.

Cuts, slots or notches workpieces using snips, shears, nibblers, band saws or other similar hand or power tools.

Shapes workpieces to specific configurations removing buckles and dents; bends, beads, edges, swages or crimps workpieces using hydraulic benders, press brakes, power brakes, bar folders, slip rolls and related equipment.

Joins sheet metal or related materials using lock seams, rivets or screws, pin spots, or by spot, arc or oxyacetylene welding.

Covers roofs with sheet metal; installs roof capping and flashing; installs skylights on roofs; assembles and installs eavestroughing and downspouts.

Assembles and installs ductwork and associated components of heating, ventilating, air-conditioning or dust collecting systems.

Balances air flow in duct systems according to design specifications using manometer, velometer or similar equipment.

Tests duct systems for air leaks; seals leaks as required using duct tape or sealer and brush.

Prepares sketches and diagrams; estimates material requirements for specific jobs; recommends gauge of sheet metal.

Keeps minor records and performs simple administrative tasks.

Performs related duties as required.

**KNOWLEDGE, ABILITIES AND SKILLS**

Considerable knowledge of the standard methods, practices, materials, tools and equipment of the Sheet Metal Mechanic trade.

Knowledge of the occupational hazards and safety precautions of the trade.

Familiarity with the work of related trades.

Ability to understand and execute oral and written instructions and to interpret blue prints, and detailed plans.

Ability to maintain simple records.

Skill in the use and care of a variety of hand and power tools and equipment of the trade.

**TRAINING AND EXPERIENCE REQUIREMENTS****Job Level**

Certified Alberta Journeyman in the trade of Sheet Metal Mechanic. Possession of a Class 5 Alberta Motor Vehicle Operator's License.

*\* This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

---

Salary Plan	<u>10M</u>	<u>10A</u>	<u>10B</u>	<u>10C</u>
Job Code	0076			
Last Updated:	1990-08 (qualifications updated)			
Previous Updates:				
Originated:	1980-12			