



## Sheet Metal Mechanic

**Work Hours:** 7:00 – 5:30 (Monday through Thursday)

**Job Description:** Plans, lays out, fabricates, assembles, installs and repairs sheet metal parts, equipment and products utilizing knowledge of working characteristics of metallic and nonmetallic materials, machining and layout techniques, using hand tools, power tools, machines and equipment. Reads and interprets blueprints, sketches or product specifications to determine sequence and methods of fabricating, assembling and installing sheet metal products. Selects gauge and type of sheet metal according to product specifications. Lays out and marks dimensions and reference line on material, using scribes, dividers, squares and rulers; applying knowledge of shop mathematics and layout techniques to develop and trace patterns of product or parts or using templates. Sets up and operates fabricating machines such as shears, brakes, presses, forming rolls and routers to cut, bend, block and form or straighten materials. Shapes metal material over anvil, block or other form using hand tools. Trims, files, grinds, deburrs, buffs and smooths surfaces using hand tools and portable power tools. Welds, solders, bolts, rivets, screws, clips, caulks or bonds component parts to assemble products using hand tools, power tools and equipment. Installs assemblies in supportive framework according to blueprints, using hand tools, power tools and lifting and handling devices. Inspects assemblies and installation for conformance to specifications, using measuring instruments such as calipers, scales, dial indicators, gauges and micrometers. Repairs and maintains sheet metal products. May operate laser beam cutter or plasma arc cutter to cut patterns form sheet metal.

### **Job Requirements:**

- Experience in planning and laying out sheet metal assemblies
- Experience in fabbing and installing sheet metal assemblies
- Experience in reading and interpreting blueprints relative to sheet metal installations.

### **Working Conditions:**

Vary from plant to plant – may be hot, humid, cold, etc. Work may be high, off ladders, scaffold. Noise levels may be high.

### **Equipment/Machines:**

Sheet metal hand tools, power tools, brakes and other S.M. equipment.

## **Physical Requirements:**

- Climbing – Occasionally
- Fingering – Occasionally
- Feeling – Occasionally
- Hearing – Occasionally
- Visual – Occasionally
- Stooping – Frequently
- Reaching – Frequently
- Handling – Frequently
- Near Acuity – Frequently
- Depth Perception – Frequently
- Stand 10 hours or more – knowledge of body mechanics
- Lift 80lbs and carry 50lbs