

## SCOPE OF WORK PROVISIONS

### CRAFT/CLASSIFICATION

Sheet Metal Worker

### ID

830-166-2

### LOCALITY

Mariposa County

### ADVISORY SCOPE OF WORK

Please note that this advisory scope of work does not apply for metal roofing systems work in the counties where we have issued prevailing wage rates for the Metal Roofing Systems Installer. Please refer to the statewide general prevailing wage determinations for the Metal Roofing Systems Installer on pages 2J to 2J-15.

### SCOPE OF WORK

The information in this packet is not based on a collective bargaining agreement.

Dictionary of Occupational Titles, Fourth Edition, Revised 1991

### **804.281-010 SHEET-METAL WORKER (any industry) alternate titles: sheet-metal mechanic**

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 handtools, 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, such as galvanized iron, copper, steel, or aluminum, or nonmetallic material, such as plastics or fiberglass, according to product specifications. Lays out and marks dimensions and reference lines 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 [SHEET-METAL LAY-OUT WORKER (any industry) 809.281-010] 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 handtools. Trims, files, grinds, deburrs, buffs, and smooths surfaces, using handtools and portable power tools. Welds, solders, bolts, rivets, screws, clips, caulks, or bonds component parts to assemble products, using handtools, power tools, and equipment. Installs assemblies in supportive framework according to blueprints, using handtools, 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 computer-aided-drafting (CAD) equipment to develop scale drawings of product or system. May operate laser-beam cutter [LASER-BEAM-MACHINE OPERATOR (welding) 815.682-010] or plasma arc cutter [ARC CUTTER, PLASMA ARC (welding) 816.364-010] to cut patterns from sheet metal. May be designated by type of metal as Coppersmith (any industry); Tinsmith (any industry); or according to type of activity as Fabricator, Special Items (any industry); Model Maker, Sheet-Metal (any industry); Product-Development Worker (any industry); Roofer, Metal (construction); Sheet-Metal Installer (any industry); Sheet-Metal Worker, Maintenance (any industry); Shop Mechanic (any industry).

*GOE: 05.05.06 STRENGTH: M GED: R4 M4 L3 SVP: 7 DLV: 88*

## **89132 Sheet Metal Workers**

### **Definition**

Fabricate, assemble, install, and repair sheet metal products and equipment, such as control boxes, drainpipes, and furnace casings. Work may involve any of the following: Set up and operate fabricating machines to cut, bend, and straighten sheet metal; shape metal over anvils, blocks, or forms using hammer; operate soldering and welding equipment to join sheet metal parts; inspect, assemble, and smooth seams and joints of burred surfaces.

### **Tasks**

1. Sets up and operates fabricating machines, such as shears, brakes, presses, and routers, to cut, bend, block, and form materials.
2. Welds, solders, bolts, rivets, screws, clips, caulks, or bonds component parts to assemble products, using hand tools, power tools, and equipment.
3. Shapes metal material over anvil, block or other form, using hand tools.
4. Trims, files, grinds, deburrs, buffs, and smooths surfaces, using hand tools and portable power tools.
5. Installs assemblies in supportive framework according to blueprints, using hand tools, power tools, and lifting and handling devices.
6. Lays out and marks dimensions and reference lines on material, using scribes, dividers, squares, and rulers.
7. Determines sequence and methods of fabricating, assembling, and installing sheet metal products, using blueprints, sketches, or product specifications.
8. Selects gauge and type of sheet metal or nonmetallic material, according to product specifications.
9. Inspects assemblies and installation for conformance to specifications, using measuring instruments, such as calipers, scales, dial indicators, gauges, and micrometers.