

## SHEET METAL WORKER

### DEFINITION

Performs journey-level sheet metal work that includes detailing, pattern layout, cutting, forming, bending, grinding, riveting, spot welding, soldering, and seaming various metal components.

### TYPICAL DUTIES

Fabricates, installs, and repairs serving tables, steam tables, sinks, ventilating systems (including nonmetallic ductwork), water-proof pans, gutters, downspouts, drain and vent pipes, flashings, window security grilles, metallic-sash windows, and ornamental iron work, using a variety of metals, including black iron, galvanized iron, stainless steel, copper, brass, and aluminum. Installs, repairs, and alters school lockers, metal racks, and metal shelving. May assist in preparing material lists, estimating job costs, preparing job records, and performing surveys. Performs related duties as assigned.

### DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Sheet Metal Worker performs sheet metal work that includes layout, fabrication, installation, and repair.

A Senior Metal Worker investigates, plans, estimates, and schedules or assists in the supervision of the fabrication, repair, sheet metal work construction, and installation of metallic facilities in one or more geographic areas, and may act as an Area Metal Work Supervisor during absences.

An Area Metal Work Supervisor supervises and inspects the design, fabrication, repair, construction, and installation of all metal work projects in a Maintenance and Operations District or Central Shops.

### SUPERVISION

General supervision is received from a craft supervisor or manager. Work direction may be exercised over Maintenance Workers.

### CLASS QUALIFICATIONS

#### Knowledge of:

Methods, materials, tools, and equipment used in the sheet metal trade  
Radial line development, parallel line development, and triangulation methods for pattern layout and detailing  
Common sheet metal seams and their applications  
Safety regulations and practices of the sheet metal trade  
Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) standards for the fabrication of various sheet metal building components  
Principles of design, fabrication, installation, and maintenance of a variety of metal ~~and bar~~ processes

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Ability to:

- Manual dexterity and strength to use tools of the trade
- Make working patterns and perform skilled sheet metal work from sketches
- Make detailed measurements and serviceable sketches of typical sheet metal work
- Follow oral and written instructions
- Read and interpret blueprints, plans, drawings, and specifications
- Work effectively with administrators, other District personnel, and the public
- Operate a computer and associated peripheral equipment

Special Physical Requirement:

- Ability to stand, walk, bend, crawl, climb, reach overhead, crouch, kneel, balance, push, pull, and safety lift up to 100 pounds
- Ability to work safely in confined spaces
- Ability to work safely at heights, including use of ladders, scaffolding, and other related equipment

ENTRANCE QUALIFICATIONS

Education:

Graduation from high school or evidence of equivalent educational proficiency.

Experience:

Successful completion of a recognized apprenticeship program in sheet metal work, or five years of experience of sheet metal work in the building trades, of which one year must have been at the journey-level.

Special:

A valid driver's license to legally operate a motor vehicle in the State of California and use of a motor vehicle.

SPECIAL NOTE(S):

Employment is subject to medical clearance.  
Positions in this classification are subject to pertinent provisions of the General Industry Safety Orders of the California Code of Regulations regarding protective equipment when exposed to hazardous materials, including, but not limited to, asbestos and lead.

This class description is not a complete statement of essential functions, responsibilities, or requirements. Entrance requirements are representative of the minimum level of knowledge, skill, and abilities. To the extent permitted by law, management retains the discretion to add or change typical duties of a position at any time, as long as such addition or change is reasonably related to existing duties.

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