

FRESNO UNIFIED SCHOOL DISTRICT

Position Description

TITLE:	Metal Trades II	REPORTS TO:	Assigned Supervisor
DEPARTMENT:	Maintenance	CLASSIFICATION:	Classified
FLSA:	Non-Exempt	WORK YEAR:	261 Days
BOARD APPROVAL:	May 19, 2021	SALARY:	IAMAW Crafts Hourly Salary Schedule Grade M-60

Basic Function:

Perform journey-level skilled machine shop work and metal fabrication work in the design, construction, alteration, repair, and maintenance projects of District buildings, vehicles, facilities, furniture, appliances and equipment; repair worn or damaged fabricated, machined, cast forged, or welded parts.

REPRESENTATIVE DUTIES: (Persons employed in this position may perform any combination of the essential functions shown below. This position description is not intended to be an exhaustive list of all duties, knowledge or abilities with this classification, but is intended to accurately reflect the principal job elements.)

Perform journey-level skilled machine shop work and metal fabrication work in the design, construction, alteration, repair, and maintenance projects of District buildings, vehicles, facilities, appliances and equipment. *E*

Repair worn or damaged fabricated, machined, cast, forged, or welded parts. *E*

Repair and service industrial arts equipment, collection systems and other equipment. *E*

Lay out and assemble steel or other metals from scratch or existing segments; apply knowledge of property of various metals and applications. *E*

Fabricate metal parts such as security chains, braces, carts, locks, floor braces, bleacher parts, floor drains, and others. *E*

Repair, modify and maintain lockers and related equipment; fabricate braces; repair damaged doors, locks and hinges. *E*

Repair and maintain grounds maintenance tools and equipment; sharpen mower reels; repair gear boxes, rollers and bed knives, frames, bushings and others. *E*

Repair automotive metal parts, including door locks, hinges, and others. *E*

Perform skilled work using electric arc, Tungsten Ignition System (TIG), helium and oxygen-acetylene welding equipment. *E*

Communicate with District departments and personnel concerning maintenance and repair needs. *E*

Work directly with vendors for parts and equipment needed. *E*

Operate a variety of specialized equipment and tools. *E*

Perform related duties as assigned.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school and training equivalent to metal fabrication apprenticeship program and/or machine shop apprenticeship and five years of journey-level metal fabrication, machine shop and/or welding experience.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license; successfully pass a Class B physical exam.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Materials, tools, and procedures used in performing skilled journey-level maintenance and metal fabrication.

Metal properties including heat convection, electrical conductance and corrosion resistance.

Properties of gases and burning temperatures.

Skilled safety practices and procedures in all areas.

State building codes and other requirements pertaining to District facility maintenance, repair, and construction.

Electric arc, Tungsten Ignition System (TIG), helium and oxygen-acetylene welding and equipment.

ABILITY TO:

Comply with safe practices and procedures.

Operate a vehicle, observing legal and defensive driving practices.

Work cooperatively with those contacted in the course of work.

Plan, organize, and lay out metal fabrication tasks of all types.

Operate and maintain a variety of specialized equipment, vehicles and hand and power tools.

Work from diagrams, blueprints, shop drawings, and sketches.

Prepare and maintain records and prepare report.

Maintain work pace appropriate to given workload.

Utilize electric arc, Tungsten Ignition System (TIG), helium and oxygen-acetylene welding equipment and other tools associated with metal fabrication.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor, outdoor and shop environment; driving a vehicle to conduct work.

PHYSICAL ABILITIES:

Climbing ladders; standing for extended periods of time; dexterity of hands and fingers to operate a variety of specialized welding, hand and power tools and equipment; reaching overhead, above the shoulders and horizontally to perform job; standing for extended periods of time; bending at the waist; lifting heavy objects; pushing and pulling steel.

HAZARDS:

Extreme heat and possible minor burns associated with welding; potential electrical shock exposure to associated chemicals including acetone and other cleaning agents; exposure to various fumes, odors and gases; working on or around machinery having moving parts.

Fresno Unified School District is an Equal Opportunity Employer and reasonable accommodations are made under the Americans with Disability Act as required by law.

E = Essential Functions