FRESNO UNIFIED SCHOOL DISTRICT
Position Description

TITLE: Metal Trades II REPORTS TO: Vehicle and Metal Shop Supervisor
DEPARTMENT: Maintenance CLASSIFICATION: Classified
FLSA: Non-Exempt WORK YEAR: 261 Days
BOARD APPROVAL:

SALARY: Crafts Salary Schedule/
90% Union Scale

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:

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.

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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 work load.
- 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.

APPROVALS:

Deberie L. Gomez, Associate Superintendent
Division of Human Resources

Charles E. McCully
Superintendent
METRLPD.BMH.05/15/96

8/5/96 Date

May 1996
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