EL DORADO IRRIGATION DISTRICT
Class Specification

CLASS TITLE: Building Trades Technician

DEFINITION

Under general supervision performs various skilled tasks associated with the construction, maintenance, and repair of District buildings and facilities which include general carpentry work, painting, plumbing, installation of doors and windows, and/or pouring and finishing concrete. Standard trade practices and skills to prepare and paint various types of interior and exterior surfaces in District owned facilities. May be required to assist with minor welding and fabrication jobs to various vehicles and construction equipment during the installation and repair of equipment at hydroelectric plants, recreational areas, water and wastewater booster stations, treatment plants, and distribution systems.

DISTINGUISHING CHARACTERISTICS

This is a single level class where employees within this class perform the full range of skilled maintenance and construction tasks. Employees at this level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from a higher level supervisor or manager. May receive technical and functional supervision from the Senior Layout and Fabrication Welder.

EXAMPLES OF ESSENTIAL DUTIES: the duties specified below are representative of the range of duties assigned to this class and are not intended to be an inclusive list.

Constructs, repairs and makes alterations to District facilities; erects scaffolds, platforms, and framework; ensures compliance with building codes.

Identifies and follows up on need for maintenance and repair work.

Installs composition and tin roofing.

Builds cabinets; installs and repairs fixtures of wood, wallboard, masonry block, and concrete.

Receives and reviews work orders; prioritizes and schedules jobs; plans jobs including ordering of necessary supplies and materials; prepares necessary paperwork. Estimates labor and material needs and completes request orders for supplies and equipment.

Paints surfaces with brushes, rollers, conventional sprayers and airless spray applications; maintains and repairs spray equipment. Applies paint, varnishes, stains, lacquers, epoxy, urethanes, and enamels. Prepares, primes, and finishes piping, tanks, equipment, and fabricated metal and steel. Cleans and maintains brushes, tools, and other painting equipment.
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Performs surface preparation work using a variety of hand and power tools including water blasters, sand blasting equipment, power and hand tools; paints surfaces using a variety of applications; installs, repairs, and paints/stuccos sheetrock.

Prepares surfaces for welding; removes slag from weld line; smooths weld using power grinder, file, cutting torch, chipper, hammer and chisel.

Installs, maintains, repairs water and irrigation systems at District facilities; designs systems and purchases materials.

Safely operates and maintains equipment necessary for the performance of duties, including operating and maintaining a wide variety of hand, power and shop tools and equipment related to painting trade; maintains shop area in neat and safe condition.

Works collaboratively with outside vendors and contractors in identifying unusual problems and/or maintaining and repairing District facilities and buildings.

Inspects and evaluates District buildings for dry rot; makes necessary repairs.

Constructs forms and chutes for pouring concrete; pours and finishes concrete slabs and steps.

Monitors and keeps records of hazardous waste materials.

Leads paid and volunteer workers, individually and in crews, in the construction, improvement and maintenance of District buildings, equipment and facilities.

Builds and maintains positive working relationships with co-workers, other District employees and the public using principles of good customer service.

Performs related duties as assigned.

QUALIFICATIONS

Knowledge of:
Principles and practices used in the performance of a variety of skilled building trades work, involving carpentry, plumbing, general construction, electric, concrete and painting. Techniques for designing and installing water and irrigation systems. Techniques for applying paint and coatings to a variety of surfaces. Occupational hazards and safety rules and regulations of the trade. Welding, fabrication, installation and repair work related to metal components and structures is desirable.

Scaffolding assembly and personnel lift operation. Tools and equipment used in a variety of building construction and maintenance trades. Use and purpose of general construction tools and equipment. Basic computer skills related to data entry and retrieval. Basic principles and practices of record keeping. Local and State building codes.
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Skill/Ability to:
Perform semi-skilled and skilled work in the maintenance and repair of District buildings, equipment, and related facilities. Safely and effectively operate a variety of hand tools necessary to complete duties. Operate a computer as necessary to perform job duties, including data entry and retrieval. Read blueprints and work from rough sketches; prepare rough sketches. Maintain records related to work activities. Oversee and direct individuals and groups in safe and effective maintenance, repair and improvement activities. Effectively prioritize, plan and schedule projects. Establish and maintain effective working relationships with those contacted in the course of work. Communicate clearly and concisely, both orally and in writing. On a continuous basis, know and understand operations and observe safety rules; intermittently analyze problem equipment; identify and locate maintenance issues; interpret work assignments; remember tasks and daily assignments; and explain maintenance issues to other staff. Intermittently, sit while preparing reports; bend, squat, climb, kneel and twist when performing maintenance on a facility; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 65 pounds or less.

Experience and/or Education:
Any combination of experience and training that would provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

Experience:
Three years of responsible experience performing skilled building maintenance, concrete, painting or general construction repair work. Successful completion of an approved apprenticeship program or accredited training program may substitute for (2) years experience.

Education:
Equivalent to completion of the twelfth grade; course work or training in one or more of the building trades is highly desirable.
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SPECIAL QUALIFICATIONS

License and Certificate:
Possession of, or ability to obtain, a valid California driver’s license at the time of appointment. Individuals who do not meet this requirement due to physical disability will be reviewed on a case-by-case basis.

Possession of, or ability to obtain, a valid California Class B driver’s license may be required for some positions.

Possession of, or ability to obtain, a confined space certification.

Possession of, or ability to obtain, a respirator certificate.

Incumbents who use scaffolding as defined in this class specification, must receive scaffolding-qualified person training in accordance with CCR, Title 8, Section 1637.

Director of Human Resources

Date

Established: 08/18/2009
Revised: 06/28/2010
FLSA: Non-Exempt
Unit: Safety