



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

OPERATIONS AND MAINTENANCE TECHNICIAN IV CARPENTER (Journey)

Group-Section: Water System Operations - Various	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Classification: Operations and Maintenance Technician Salary Grade: 41 Job #: T03A
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JOB SUMMARY

Utilizes journey level carpentry skills, experience and knowledge in the practices, procedures, and methods of building, repairing and renovating structures and their associated parts. Those skills include rough, finished and bench carpentry as well as rough cement placement and finishing and masonry.

Performs the general and advanced practices and procedures of installing, improving, maintaining and repairing a wide variety of rough and general carpentry services and products including formwork, rebar placement, concrete placement, finishing and masonry.

Builds, maintains, and improves a variety of structures and associated fixtures composed of wood and contemporary composites or other related materials. Supports the operational core of water and power reliability by effectively meeting or exceeding customer expectations through advanced carpentry practices applied to maintaining and improving the quality of working and operating environments within treatment plants, conveyance and distribution system and facilities, shops, offices, housing, outbuildings, and other occupied and unoccupied structures.

SUPERVISION:

Received:

Work is performed with minimal and at times intermittent on-site supervision. Broad direction is given in terms of operations and maintenance objectives that may require self-initiated work. Limited detailed guidance and advice is available which may result in the modification of work in varied situations. Performance may be measured by the quantity and quality of work and operations and maintenance objectives.

Receives oversight from the Team, Unit, Section, Assistant Group, or Group Manager.

Given:

As a lead may exercise technical and/or functional direction over assigned staff.

Specific attention is given to on-the-job training and development of O&M Technician I, II, and III-Carpenter employees, in order that those employees attain specialized knowledge and skills to advance to O&M Services Technician IV.

JOB DUTIES

1. Performs general and advanced carpentry and masonry PMs, CMs, and improvements related to construction, alteration, remodeling, repair and maintenance of building framing, partitions, walls, windows and casings, floors, stairways, mortar lining, concrete forms, placement and finishing, rebar placement, furniture, fences, doors, windows, cabinets, shelves, supports, signs and related carpentry services and finished products to support operational reliability and a quality work environment.
2. Completes general and advanced rough and finished carpentry in both shop and field environments by safely utilizing traditional hand as well as power tools such as drills, joinery equipment and pneumatic nailers and grinders as well as other forming, shaping and cutting equipment such as routers, sanders, planers, radial arm, table, miter, reciprocating and other types of saws and tools to effectively fabricate carpentry and masonry components from varied materials.
3. Performs improvement, PM and CM activities on a variety of carpentry related components such as locks, hinges, window and door tracks, works with building materials such as brick, tiles, and sheetrock to effectively complete carpentry projects and work. Performs rough and finished masonry.
4. Operates in conjunction with carpentry projects, necessary light equipment such as trucks, man lifts, forklifts or similar equipment to effectively complete work.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience:

High school diploma or GED in addition to a minimum of 6 years in a carpenter/masonry position.

OR

High school diploma or GED in addition to the attainment of journey level skills through completion of a recognized carpentry training program.

Experience and knowledge as demonstrated by practical application of techniques and practices specific to the carpentry/masonry trades. Skills necessary include rough and finished carpentry and masonry, and light equipment operation. Also requires journey-level skills in preventive and corrective maintenance practices related to carpentry generally obtained through applicable training and experience.

Required Knowledge of: Theories, practices, tools and materials of carpentry/masonry and their application to building construction, finish carpentry improvement, maintenance and repair work, ability to understand, read and interpret blueprints, schematics and drawings of new construction/building and renovation plans necessary to build, remodel, and repair structures or interior carpentry component systems, State and local building codes and other regulations for all phases of new building construction, renovation, remodeling and facility improvements related to carpentry, the installation of a variety of floor, wall and ceiling materials providing structural and interior integrity and quality, the installation of drywall and similar materials, doors and windows of various sizes and configurations, the construction of concrete forms, pouring and finishing concrete surfaces necessary to support and complete carpentry projects, the coating of rough, finished and assembled articles with different carpentry and masonry related finishes and on varied materials, safety practices and regulations for operating mechanical and

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Adopted: 01/29/08

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electrical equipment, as well as, assisting in the appropriate storage and disposal of hazardous materials and waste specific to the craft being performed.

Required Skills and Abilities to: Interpret complex instructions, manuals, operating and maintenance procedures and specifications related to carpentry and masonry, use and maintain electrical/mechanical, pneumatic and hydraulic tools and equipment normally and traditionally used in the carpentry and masonry trades in both a shop and field environment, State and local building codes and other regulations for all phases of new building construction, renovation, remodeling and facility improvements related to carpentry,.

CERTIFICATES, LICENSES and REGISTRATIONS REQUIREMENTS

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

- Valid Drivers license from state of residency equivalent to a California Class A, B, and/or C with appropriate commercial license endorsements
- Certificate for power/powder actuated tools
- Crane Certification
- Manlift Certification
- Forklift Certification

PHYSICAL DEMANDS/WORK ENVIRONMENT

Expectations of Hours of Service, Emergency and Stand-by Service:

Employees in this position may be required to work off-shift hours and/or stand-by services to address operational needs and emergencies as required. May be required to work extended periods away from the normal reporting location.

Physical Demands:

Heavy tasks may require lifting and carrying items weighing up to 50 pounds, with intermittent need to lift and carry materials and/or equipment weighing up to 100 pounds with assistance. Frequently requires pushing, pulling, turning and positioning parts, assemblies, equipment and tools weighing as much as 100 pounds with assistance. May be required to lift and move heavy items with the assistance of others and with lifting devices such as jacks, hoists and cranes of varied types and capacities. Physical effort includes frequent walking, stooping, bending, reaching, standing, kneeling, twisting and sitting for long periods of time. Required to work at various heights and in confined spaces. At times may be required to use respiratory filtration devices.

Work Environment:

May travel to various sites requiring overnight stay. Work is performed indoors and outdoors at large pumping, treatment, hydroelectric or control facilities or other assets under all types of conditions, including extreme temperatures, remote locations open and confined spaces ranging from crawl spaces to sub-structures as well as varied types of terrains. Job tasks may require working from heights and functioning from lifts, hoists, scaffolds, man baskets and bucket trucks and cranes over surfaces ranging from earthen materials to concrete, steel and water. Work activity may be frequently conducted in close proximity to exposed, electrically energized equipment including high voltage systems. The work environment frequently involves exposure to equipment and tools producing high levels of noise, as well as potentially dangerous materials and chemicals that require careful adherence to extensive safety precautions, rules and regulations.