

**CLASS SPECIFICATION****04-25-2024****UTILITY STRUCTURAL STEEL FABRICATOR ASSOCIATE, 3626**

**Summary of Duties:** A Utility Structural Steel Fabricator Associate performs duties related to the fabrication, modification, installation, and construction of all types of structural members and buildings within the infrastructure of the Department of Water and Power.

**Class Characteristics:** Utility Structural Steel Fabricator Associates are appointed to positions which are designated as temporary training positions in accordance with Section 5.30 of the Rules of the Board of Civil Service Commissioners. As trainees, employment is limited to 48 months, during which time they must successfully complete an intensive specialized course curriculum with a written and practical exam to qualify for promotion to a journey-level position with a six month probationary period.

Utility Structural Steel Fabricator Associates may work in hazardous conditions, such as high voltage stations, and in remote locations.

**Examples of Duties:**

- Makes rough sketches of parts to be fabricated or repaired;
- Reads and interprets blueprints for fabrication of steel components associated with Department infrastructure;
- Fabricates, alters, repairs, and assembles structural steel members and shapes;
- Scribes and marks for subsequent fabrication the various members, shapes, and parts;
- Burns, welds, chips, grinds, shears, bends, drills, punches, and straightens plates, beams, channels, angles, tubes and bars;
- Fabricates, fits, and assembles steel trusses, columns, unloading devices, partition and door frames, stairways, fire escapes, railings, instrument panels, tower legs, and special pole and highline hardware, parts, and devices;
- Fabricates, assembles, and finishes truck frames, protective guards, steel booms, and special dollies;
- Repairs structural members of automotive equipment such as tow hooks and cables, pole derricks, and trailer tongues;
- Performs necessary heavy rigging, chipping, and grinding;
- Removes and installs metal doors, frames, gates, fences, guards, and fans, blowers, and other rigging operations under direction of the supervisor on the job;
- Splices wire rope, cables, and slings;
- Anchors metal to wood, concrete, machinery, masonry, and plaster;

- May use power grinders, hand tools, and pneumatic tools to repair equipment and structural members;
- Works in high voltage environments assembling structures and/or gantries to assist in placing steel cages into large diameter piers requiring heavy rigging and working with high capacity cranes;
- May be assigned to assist a supervisor; and
- May occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

**Requirements:**

1. One year of full-time paid experience assisting in the performance of metal or mechanical trades; or
2. One year of training in a metal trade at the high school or trade school level.

**License:**

- A valid California Driver's License is required.

**Physical Requirements:**

- Strength to perform average lifting up to 70 pounds;
- Arm, hand, and finger dexterity (with both hands) involved in activities such as reaching, handling, and feeling; and
- Good eyesight.

Persons with disabilities may be able to perform the essential duties of this class with reasonable accommodation. Such accommodation will be evaluated on a case by case basis and depend, in part, on the specific requirements for the job, the limitations related to the disability, and the ability of the hiring department to reasonably accommodate the limitations.

**As indicated in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory, and not restrictive. It is not intended to declare what all of the duties and responsibilities of any position shall be.**