

FUNCTIONAL JOB DESCRIPTION

**JOB TITLE:** Fabricator

**DEPARTMENT:** Fabrication

# REPORTS TO: Foreman

# STATUS: Non-Exempt

**SUMMARY:** Is capable of performing a variety of functions dealing with fabrication. The individual should be familiar with, and capable of, using various types of fabrication machines. A fabricator is also required to perform other miscellaneous tasks, as supervision deems necessary.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

* Reads and interprets blueprints and machine drawings to determine specific requirements.
* Determine which machine to use and how to set up each job.
* Operates and tends machines such as shears, cutoff saws, brakes, punch press, and drill press, to cut and shape components to specified dimensions.
* Grinds welded joints, seams, and other irregular areas to smooth boiler surfaces.
* Selects torch, torch tip, filler rod and flux, according to welding chart specifications or type and thickness of metal.
* Hammers, chips, and grinds work piece to cut, bend and straighten metal.
* Performs light maintenance and repair to equipment used.
* Moves and positions materials at work site with help of other workers.
* Be able to move parts in and move finished product out of fab area.

**EDUCATION (OR EQUIVALENT EXPERIENCE):** Associate’s degree (A.A.) or equivalent from two-year college or technical school; or six months to one year related experience and/or training; or equivalent combination of education and experience.

**LICENSES OR CERTIFICATIONS:** Forklift training certification or the ability to receive it.

**SKILLS/KNOWLEDGE/ABILITIES REQUIRED:**

* Ability to read and interpret documents furnished in written, oral, diagram, or schedule form such as safety rules, operating and maintenance instructions, quality manuals and procedure manuals.
* Ability to deal with problems involving several concrete variables in standardized situations.
* Be able to read and interpret blueprints.
* Must be able to read a tape measure.
* Ability to perform simple shop math, convert decimals to fractional equivalents.
* Ability to interpret tolerances.
* Must be able to identify and measure material.

**PHYSICAL DEMANDS:**

* Day shift is 8 hours; night shift is 10 hours
* Stand-continuously (8-10 hours)
* Walk-continuously (8-10 hours)
* Lift to/from floor-50 lbs. occasionally (components), 10 lbs. frequently (components)
* Lift overhead-up to 20 lbs. rarely (components), 15 lbs. occasionally (components), 10 lbs. frequently (components)
* Lift waist level-up to 50 lbs. occasionally (components), 25 lbs. frequently (components)
* One or two hand carry-up to 30 lbs. for 5 feet occasionally (components), heavier items are moved with a hoist
* Push/pull-up to 50 lbs. force (total 92 lbs. force) with 2 employees to initiate movement of loaded carts, occasionally, loaded parts cart may take up to 40 lbs. force, occasionally
* Pull-bar stock off shelves from 12” above the floor to overhead may take up to 35 lbs. force, occasionally
* Elevated work (reaching)-rarely
* Forward reaching-frequently (to reach stock on various shelves from floor level to above shoulder level)
* Twist-rarely (to reach components)
* Bend-frequently (to reach when moving finished parts, using sawhorses or table, or working on a part on the floor)
* Squat-occasionally (to move raw steel or finished parts)
* Kneel or crouch-occasionally (working on low parts or on the floor)
* Stair climb-rarely (rolling parts)
* Ladder climb-rarely (to reach upper shelves)
* Balance-occasionally (walking around parts, machines)
* Manual dexterity-frequently (setting stops, handling small components)
* Firm grasp-frequently (using hand tools)
* Foot pedal operation-frequently (machine operation)

Lifting more **t**han 50 lbs. is performed by two employees or mechanical assistance is required

KEY:

Rarely 1-5% of day

Occasionally 6-33% of day

Frequently 34-66% of day

Continuously 67-100% of day

**ENVIRONMENTAL EXPOSURE:**

* May be inside 98% of day, outside 2% of day to get material, temperature exposure may be 70-100 degrees inside near ovens, and outside varies between -20 to 100 degrees + with high humidity in summer
* High elevations-slight
* Moving objects-slight (hoist, bridge cranes, rolling carts)
* Noise level-moderate
* Slippery surface-slight (wet floor, oil, coolant, sand/dirt on floor dragged in on forklift tires)
* Vibration-moderate (hand tools)
* Air pollution-slight (dust, welding smoke)

**VISION AND HEARING REQUIRED:**

* Near vision and depth perception-significant
* Far vision-moderate
* Hearing sensitivity-minimal

**PROTECTIVE EQUIPMENT:** Eye protection, safety shoes, protective clothing, and ear plugs.

**EQUIPMENT USED TO PERFORM JOB:** Hand tools, measuring equipment, drill press, saws, iron workers, hand grinder, cutting torch, overhead hoist, forklift, steel saw horse, carts, bridge crane, hand truck, broom.

\*Each employee should be aware that changes in this job description could occur at any time. Also this job description is not to be considered or construed to be a contract of employment.

**APPROVAL DATE**

Employee Signature Date

Foreman Signature Date