

**Job Title:** Fabricator/Fitter

**Job Description:**

Lays out, prepares and assembles structural steel according to structural steel plans and drawings.

**Duties:**

Performs some or all of the following:

1. Study engineering drawings and blueprints, determines the materials required, plan the sequence of tasks to cut metal most efficiently.
2. Constructs patterns and templates as guides for layouts.
3. Layout reference points and patterns on heavy metal according to component specifications.
4. Rig, hoist and move materials within the worksite.
5. Assemble and fit metal sections and plates to form complete units of subunits using tack welding, bolting, riveting or other methods.
6. Set up and operate heavy duty metal-working machines such as break presses, shears, cutting torches, grinders and drills equipment to cut, bend, form, punch, drill or otherwise form heavy metal components. Future requirement: Computer Numerical Control (CNC) knowledge.
7. Install fabricated components in final products.

**Education:** Some college/vocational or technical training.

**Credentials:** Steel Fabrication (Fitter) Red Seal Certificate or equivalent

**Type of Equipment:** Brakes and presses, Cutting torches, Grinders, Drills

**Area of Specialization:** Structural metal or steel

**Major Work Area:** Fabrication, Assembly, Fitting

**Welding Techniques:** Tack, MIG, TIG

**Specific Skills:** Lay out reference points and patterns, Assemble and fit plates and section to form structure, Weld or bolt section together, Set up and operate heavy duty metal-working machines, construct pattern and templates.

**Essential Skills:** Must be able to read engineering drawings/blueprints. Reading text, Document use, Numeracy, Writing and Oral Communication, Working with others, Problem Solving, Critical Thinking, Job task planning and organizing, Significant use of memory, Finding information and continuous learning.