Job Description: Ironworker

Alternative Titles: Journeyman Ironworker, Re-steel Ironworker I, II, III

Revised: December 2012

Business Unit: Construction
Employee Type: Hourly
Reports To: Foreman

Purpose: Installs, erects, reinforce, repairs, and dismantles structural metalwork for various construction activities as well as directing and training ironworker helpers to do the same.

Work Schedule: Varies by location. Must have open availability any time any day of the week. Length of employment is limited to job assignment and/or project duration.

Essential Skills (may include but are not limited to the ability to)
- Determine number, sizes, shapes and location of reinforcing rods from blueprints, sketches or oral directions.
- Sets up hoisting equipment for raising and placing of structural-steel members to desire positions.
- Sets up framework of building by positioning steel girders or other structural elements and then bolting them into place or prepares them for permanent bolting and/or welding.
- Verifies vertical and horizontal alignment of members.
- Ensure that all reinforcing material is in its proper position so that it receives its intended structural load.
- Read blueprints, drawings or pictures and understand how they would look as solid objects with height, width or depth.
- Visualizes objects in three-dimensions from plans and drawings.
- Work with in precise limits and standards of accuracy.
- Follow oral and written directions.
- Perform other duties as assigned by the supervisor as needed.

Essential Qualifications
- Three (3) years minimum Field experience in trade, with a Red Seal Trade Certificate
- Ability to work with others to achieve job goals
- Read, write and communicate using English language sufficient to perform job functions (other preferences will be given for special language skills where there is a business need)
Physical Requirements

- Stand or walk for long periods of time
- Use arms and hands to reach for, handle or manipulate objects
- Lift and carry materials weighing up to 50 pounds; occasionally lift items weighing more than 50 pounds with assistance
- Climb up and down ladders, scaffolds and other objects
- Stoop, kneel, crouch and crawl
- See well (naturally or with correction)
- Eye-hand coordination
- Good physical fitness
- Good sense of balance
- Work at great heights

Environment: Construction Workers perform physically demanding work including lifting and carrying heavy objects, stooping, kneeling, crouching or crawling in awkward positions. Some work at great heights, or outdoors in all weather conditions. Some jobs expose workers to harmful materials or chemicals, fumes, odors, loud noise, or dangerous machinery. Some workers may be exposed to lead-based paint, asbestos, or other hazardous substances during their work especially when working in confined spaces. To avoid injury, workers in these jobs wear safety clothing, such as gloves, hardhats, protective chemical suits, and devices to protect their eyes, respiratory system, or hearing. While working in underground construction, Construction Workers must be especially alert to safely follow procedures and must deal with a variety of hazards.