



Code: 2164
Family: Construction, Maintenance, and Skilled Labor
Service: Health and Welfare
Group: Inspectional
Series: Building Inspection

CLASS TITLE: IRON INSPECTOR

CHARACTERISTICS OF THE CLASS

Under general supervision, inspects architectural/ornamental ironwork and structural steel construction to ensure conformance with the construction and structural steel requirements of the municipal building code, and performs related duties as required

ESSENTIAL DUTIES

- Inspects structural steel construction of new buildings and existing structures under rehabilitation to ensure compliance with approved construction plans and permits
- Inspects structural steel columns and beams for proper reinforcement, condition of materials, and structural safety of buildings
- Ensures welding, rigging, and bolting is sufficient and complies with structural steel requirements of the municipal building code
- Conducts annual inspections of ornamental iron work and exposed metal structures (e.g., canopies, marquees, fire escapes, revolving doors) to ensure proper maintenance
- Interprets and explains code requirements to contractors, engineers, and building owners to ensure compliance with the construction and structural steel requirements of the municipal building code
- Issues code violations and conducts re-inspections to ensure violations are corrected
- Testifies at administrative hearings regarding violation notices issued
- Maintains records and prepares reports of inspections conducted

NOTE: *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

MINIMUM QUALIFICATIONS

Education, Training, and Experience

- Successful completion of a US Department of Labor registered iron worker apprenticeship training program and journeyman status; or an equivalent combination of education, training, and experience

Licensure, Certification, or Other Qualifications

- A valid State of Illinois driver's license is required
- Must have the permanent use of an automobile that is properly insured, including a clause specifically insuring the City of Chicago from accident liability

WORKING CONDITIONS

- Exposure to outdoor weather conditions
- Exposure to hazardous conditions (e.g., construction sites, heavy machinery)
- Exposure to loud noise, fumes or dust
- Work performed in cramped or confined locations
- Work performed above or below ground level

- Work performed using scaffolds and ladders

EQUIPMENT

- Personal protective equipment (e.g., hard hat, shoes, glasses, gloves, vest, pads)
- Measuring tools (e.g., tape measure, ruler, calipers, measuring wheel)
- Two-way radio

PHYSICAL REQUIREMENTS

- Ability to walk for extended periods of time
- Ability to quickly bend, stretch, twist, or reach out with one's body, arms, and/or legs
- Ability to access difficult to enter spaces (e.g., roofs, basements, tanks, field equipment, cramped quarters)
- Ability to tolerate heights while working

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS

Knowledge

Moderate knowledge of:

- *principles, methods and procedures applicable to the structural ironwork and/or architectural ironwork trade
- *applicable safety practices and code standards specific to structural steel construction, including OSHA standards
- *equipment and materials specific to the fabrication and installation of structural and architectural iron

Some knowledge of:

- *repair and maintenance procedures applicable to structural steel construction
- use of safety equipment and protective gear

Knowledge of applicable City and department policies, procedures, rules, regulations, and ordinances

Skills

- *ACTIVE LISTENING - Give full attention to what other people are saying, take time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- *CRITICAL THINKING - Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems
- MONITORING - Monitor and assess performance of one's self, other individuals, or organizations to make improvements or take corrective action
- *JUDGMENT AND DECISION MAKING - Consider the relative costs and benefits of potential actions to choose the most appropriate one

Abilities

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences

- SPEAK - Communicate information and ideas in speaking so others will understand
- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- WRITE - Communicate information and ideas in writing so others will understand
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong
- REASON TO SOLVE PROBLEMS - Apply general rules to specific problems to produce answers that make sense
- WORK WITH NUMBERS - Add, subtract, multiply, or divide quickly and correctly
- VISUALIZE - Imagine how something will look after it is moved around or when its parts are moved or rearranged

Other Work Requirements

- PERSISTENCE - Persist in the face of obstacles on the job
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks
- INDEPENDENCE - Develop own ways of doing things, guide oneself with little or no supervision, and depend mainly on oneself to get things done
- INNOVATION - Think creatively about alternatives to come up with new ideas for and answers to work-related problems
- ANALYTICAL THINKING - Analyze information and using logic to address work or job issues and problems

All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

* May be required at entry.

City of Chicago
Department of Human Resources
(Valtera Corporation)

Date: June, 2010