



Code: 4765

Family: Construction, Maintenance, and Skilled Labor

Service: Operation and Construction

Group: Building Maintenance and Operation

Series: Steamfitter and Plumbing Trades

CLASS TITLE: SPRINKLER FITTER

CHARACTERISTICS OF THE CLASS

Under supervision, performs journey-level sprinkler fitting work in the installation, repair, inspection, testing and maintenance of automatic fire sprinkler systems and related piping, and performs related duties as required

ESSENTIAL DUTIES

- Reads blueprints, specifications, and work orders to assess work required and to determine installation and repair methods to use
- Removes damaged, defective, or obsolete sprinkler systems
- Ensures adequate supplies of tools, equipment, and materials needed to complete jobs at work sites
- Uses tools (e.g., pipe cutters, threaders, welding equipment) to measure, cut, bend, and fabricate hangers and overhead piping
- Uses mandated methods and certified gauges to inspect and test fire systems
- Measures and marks areas where pipes will be installed and connected
- Installs new fire sprinkler systems or extensions to existing systems
- Inspects and tests systems to ensure sprinklers are working properly and are in compliance with safety and municipal standards
- Repairs and maintains sprinkler systems and related equipment
- Connects piping with adhesive or by soldering
- Operates specialized equipment and tools (e.g., saws, pipe threading and grooving machines)
- Prepares work activity reports
- Loads, transports, and unloads equipment and supplies, as required
- Cleans equipment and work site after completion of work, as required
- Cleans and maintains fire hoses and extinguishers to ensure proper operation, as required

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 sprinkler fitter 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

WORKING CONDITIONS

- Exposure to outdoor weather conditions

- Exposure to loud noise, fumes or dust, oily or wet environment
- Exposure to hazardous conditions (e.g., construction sites, heavy machinery)
- Work performed in cramped or confined locations
- Work performed above or below ground level using scaffolds, hydraulic lifts and ladders

EQUIPMENT

- Hand and power tools (e.g., hammer, wrench, pneumatic tools)
- Personal protective equipment (e.g., hard hat, shoes, glasses, vest, gloves, pads)
- Safety devices or equipment (e.g., cones, barricades, metal plates, scaffolding, harnesses, ropes)
- Measuring tools (e.g., tape measure, ruler, calipers, measuring wheel)
- Standard tools and equipment of the sprinkler fitter trade (e.g., pipe cutters, threaders, welding equipment, rodding equipment, torches)

PHYSICAL REQUIREMENTS

- Heavy lifting (up to 100 pounds) is required
- Ability to walk and stand for extended or continuous periods of time
- Ability to quickly bend, stretch, twist, or reach out with one's body, arms, and/or legs
- Ability to climb staircases, ladders, and/or step stools
- Ability to access difficult to enter spaces (e.g., roofs, basements, tanks, field equipment, cramped quarters)
- Ability to operate applicable hand tools, power tools, and equipment of the trade

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS

Knowledge

Good knowledge of:

- *principles, theory, and methods of the sprinkler fitter trade
- *repair and maintenance procedures of the sprinkler fitter trade
- *use and application of related tools, safety equipment and protective gear
- *applicable computer software packages and applications
- applicable municipal code requirements relative to the installation and inspection of fire sprinkler systems

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

Skills

- *ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- *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
- COORDINATION WITH OTHERS – Adjust actions in relation to others' actions

- EQUIPMENT MAINTENANCE – Perform routine maintenance on equipment and determine when and what kind of maintenance is needed
- INSTALLATION – Install equipment, machines, wiring or programs to meet specifications
- REPAIRING – Repair machines or systems using the needed tools
- TROUBLESHOOTING – Determine causes of operating errors and decide what to do about it

Abilities

- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing and technical drawings
- 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

Other Work Requirements

- INITIATIVE - Demonstrate willingness to take on job challenges
- STAMINA - Demonstrate energy and stamina to accomplish work tasks
- COOPERATION – Be pleasant with others on the job and display a good-natured, cooperative attitude
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks

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
January, 2015