

# **ELEVATOR CONSTRUCTOR**

## **(Milwaukee Public Schools)**

**THE PURPOSE:** The person in this position repairs and maintains various types of elevators and chairlifts in school buildings and central service sites.

### **ESSENTIAL FUNCTIONS:**

- ◆ Repairs and maintains elevators (Dover, Otis, and others) and chairlifts.
- ◆ Performs machine, bench and hand tool work.
- ◆ Makes, rebuilds, repairs, assembles, installs, operates, and maintains various types of machinery and mechanical equipment.
- ◆ Erects and works from scaffolding and ladders.
- ◆ Reads blueprints, diagrams, schematics, and catalogs.
- ◆ Uses measuring equipment to perform tests, diagnose problems, and make any necessary repairs on all equipment, including computer-related controls.
- ◆ Performs other functions as assigned.

**NOTE:** Elevator Constructors are expected to be available on a 24-hour basis in case of emergencies and may be called in at any time. Incumbents are expected to climb ladders in elevator penthouses, ride on top of elevators, and walk considerable distances.

### **MINIMUM REQUIREMENTS:**

1. Knowledge and skills to perform Elevator Constructor functions at a journey worker level.
2. Valid driver's license and availability of a properly insured personal automobile in which tools and equipment can be carried from job to job at time of appointment and throughout employment (car allowance provided).
3. Residence in the City of Milwaukee within six months of appointment and throughout employment.

### **KNOWLEDGE, SKILLS, ABILITIES, AND OTHER CHARACTERISTICS:**

- Knowledge of the Safety Code for Elevators and Escalators, ANSI/ASME A17.1, 1990.
- Knowledge of the Wisconsin Administrative Elevator Code, Register, January, 2000, No. 459, Chapter COM 18.00.
- Knowledge of and ability to safely perform the essential functions of this position with a minimum of supervision.
- Knowledge of chairlift and passenger and freight elevator equipment and systems and repair techniques and methods.
- Knowledge of safety, load, and speed tests for elevators and drop tests for safety devices.
- Knowledge of alloy qualities and uses.
- Knowledge of and skill in mechanical drawing and in reading plans, blueprints, diagrams, schematics, and catalogs.
- Knowledge of and skill in using tools and measuring equipment to perform tests, diagnose problems, and make any necessary repairs and adjustments to insure proper and safe operation of all equipment.
- Skill in erecting and working from scaffolding and ladders and in safely accessing tops of elevators and elevator pits and penthouses and working parts of escalators.
- Skill in troubleshooting complex equipment, including computer controls.
- Skill in performing hand tool, machine, and bench work, including gas welding and brazing, and operating grinders, drill presses, and band saws.
- Skill in making, rebuilding, repairing, assembling, installing, operating, and maintaining various types of pumps, compressors, and other machinery and mechanical equipment.
- Skill in making mathematical computations.
- Ability to physically perform the essential functions of this position.
- Skill in interpersonal relations and in working with the public.

**THE CURRENT SALARY RANGE (FF41) IS: \$35.36 per hour.**

#07-052—MMC (SM) 04/24/07