



School District of Philadelphia

Title: Mechanical Mechanic 'B'

Department: Facilities Management and Services

Reports To: Trades Planner, Scheduler and Facilities Area Coordinator

Job Summary

Entry level steam fitting, machinist and ironwork: installs, maintains and repairs heating and ventilating systems, machinery and equipment; fabricates, erects and repairs articles made from iron and sheet metal; installs, maintains and repairs radiators, steam lines, fittings, bent and straight tubes in heater tube boilers, and internal feed lines in boiler drums; cuts, threads and welds pipes and materials for repair. Work involves assignments of increasing scope and complexity as the employee gains familiarity with the work environment.

Essential Functions

- Installs, maintains and repairs School District heating and ventilation systems; proficient in arc and gas welding.
- Works from blueprints in the installation, repair, and/or replacement of radiators, steam lines, fittings, bent and straight tubes in heater tube boilers, steam drums, mud drums, sections of cast iron sectional boilers, and internal feed lines in boiler drums.
- Disassembles and repairs built-in, recessed, or convactor type radiators.
- Prepares material for steam-fitting jobs by cutting, threading and welding pipes and other material.
- May test new equipment for performance; recommends methods of correction in cases of malfunction.
- Checks mechanical equipment and modifications to insure that safety standards are met.
- Repairs metal doors and frames only when welding or burning are required.
- Operates machine shop equipment such as lathes, milling machines, shapers, planer, radical drill press, surface grinder, band-saw, etc.
- Works with various types of pumps and compressors, reciprocating and centrifugal, for air vacuum, water and steam.
- Performs work including straightening iron fencing, securing and replacing fences as needed, and welding iron post braces and intermediate bars.
- Performs all types and phases of sheet metal work including the design, layout, fabrication or installation of cyclone fences, gates, iron duct plates, iron landing steps, elevator floors, iron grading, exterior hand rails, and air in-take doors.
- Repairs existing duct lines, floor ventilators, exhaust lines, air washer pans, aluminum windows, and stainless steel kitchen equipment.'
- Maintains safety standards.
- Oversees the work of trainees in the trade.
- May estimate, order and transport material and equipment to complete work order(s) at assigned location.

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Other Functions

- Performs incidental work as required.

Minimum Requirements

- Education equivalent to the completion of the twelfth school grade.
- Three years of experience in the appropriate trades area.

Knowledge, Skills and Abilities

- Considerable knowledge of the standard practices, methods, and materials of the trades.
- Considerable knowledge of the use of the tools of the trades.
- Thorough knowledge of the occupational hazards of and safety precautions utilized in the trades.
- Skill in the care and use of the tools, materials, equipment and power machinery utilized in the trades.
- Ability to interpret and work from blueprints, sketches, drawings and specifications.
- Ability to keep records and prepare reports of completed work assignments.
- Ability to accurately follow written and verbal directions.
- Ability to establish and maintain effective working relationships with associates and superiors.

Disclaimer

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified.

Certificates/Licenses

Possession of a proper class license valid to operate a motor vehicle in the Commonwealth of Pennsylvania prior to appointment and during tenure of appointment.

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HR Use Only	
Title Code	7058
Salary Grade	2438/7438
Bargaining Unit	Local 32BJ
Date of Establishment	1/65
New Format	10/14
Analyst	JAG