



Classification Summary

Service and repair oil, gas, electric, or sawdust fired heating systems in assigned District buildings

Supervisory Relationships

Reports to the Maintenance Supervisor. May provide technical oversight of other District staff.

Distinguishing Characteristics

Distinguished from other maintenance technicians by the requirement for knowledge of the repair and fabrication of parts for boilers, burners, pneumatic and electric furnaces, and related heating systems.

Examples of Duties

1. Inspect, diagnose and repair equipment malfunctions such as leaking steam pipes, burners that won't fire, valves or couplers needing replacement, power supply breakdowns, and climate controls needing adjustment
2. Install, repair, or replace boilers, motors, bearings, coils, heating cores, valves, fans, line traps, pumps pneumatic controls, piping, and other components of the heating or ventilating system.
3. Adjust burners for maximum efficiency. Rebuild leaking circulating or condensate pumps.
4. Perform preventive maintenance; clean, align, and lubricate heating system parts; insulate pipes, ducts, and boilers; refasten loose dampers and ducts.
5. Conduct routine boiler and fire box inspections and surveys. Repair fire box bricking as required for safety.
6. Fabricate vents, dampers, and ducts from sheet metal
7. Prioritize and schedule work according to urgency and severity of problem.
8. Complete and submit purchase orders for required materials; maintain records of work performed and materials used.
9. Instruct Custodians in the care and cleaning of heating systems
10. Perform related work as required.

Required Knowledge, Skills and Abilities

1. Comprehensive knowledge of heating systems operations, fuels, and tools and techniques used to repair system malfunctions.
2. Ability to use hand tools, power tools, pipe threading machine, boiler combustion analyzers, volt meters, welding machines, and pneumatic test equipment.
3. Ability to read mechanical, structural, pneumatic, and electric schematics and blueprints.
4. Physical ability to perform required tasks.
5. Ability to communicate with District staff to determine heating system service needs.
6. Ability to apply safety standards in the operation, maintenance and repair of heating systems.

Minimum Qualifications for Class Entry

1. Considerable training or experience in the diagnosis and repair of heating systems malfunctions.
2. Possession of a valid State of Oregon driver's license.

Work Environment

Work is performed in a maintenance shop facility or in District buildings. Work may require lifting of pipes and equipment and working in awkward or tiring positions. May be required to perform emergency repairs during evening or weekend hours.