Refrigeration Mechanic

JOB PURPOSE

Installs, maintains, and repairs refrigeration equipment, central air systems, and various HVAC systems.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Installs, troubleshoots, repairs, and replaces chillers, central air systems, window air conditioners, chillers, and refrigeration equipment. Adjusts or replaces worn or defective mechanisms and parts and reassembles repaired systems.

Adjusts valves according to specifications and charges system with proper type of refrigerant by pumping the specified gas or fluid into the system.

Brazes or solders parts to repair defective joints and leaks.

Cuts, bends, threads, and connects pipe to functional components and water, power, or refrigeration system.

Dismantles malfunctioning systems and test components, using electrical, mechanical, and pneumatic testing equipment.

Drills holes and installs mounting brackets and hangers into floor and walls of building. Fabricates and assembles structural and functional components of refrigeration system, using hand tools, power tools, and welding equipment.

Installs expansion and control valves, using acetylene torches and wrenches.

Installs wiring to connect components to an electric power source.

Works as a team with heat mechanics in maintaining, servicing, and repairing HVAC equipment and boiler equipment including water treatment.

Services, repairs, and rebuilds pumps and compressors.

Performs other general building maintenance as needed.

Performs some other cross-functional electrical work.

Drives vehicle as needed.
Participates in the training of apprentices and/or other workers as needed.

**KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of and ability to use materials, methods/principles and tools specific to the needs of the Refrigerator Mechanic trade.

Ability to read and interpret drawings, blueprints and/or schematics.

Knowledge of applicable building codes, regulations or ordinances.

Ability to work in safe and efficient manner.

Ability to operate computer.

**MINIMUM REQUIREMENTS**

**Education:** High school diploma or GED.

**Experience:** Certificate in relevant DOL apprenticed trade OR five (5) years verifiable journey level experience.

**Licenses:** Valid driver’s license with ability to be insured by Indiana University. May be required to acquire and maintain a material-specific abatement certification, supervisor certification or other required certifications.

**PHYSICAL REQUIREMENTS**

Sitting, standing, walking, driving, climbing ladders, squatting/kneeling, reaching, grasping, pushing/pulling, twisting/bending, lifting/carrying up to 50 lbs and 75 lbs occasionally multiple times per shift, fingering, talking, hearing, and seeing.

**WORKING CONDITIONS**

Spends time both indoors and outdoors with possible exposure to extreme hot or cold temperatures for one hour plus. Possible exposure to distracting/uncomfortable noise levels. Risk of bodily injury from mechanical parts, electricity, etc. Possible exposure to fumes, odors, etc. that may affect respiration and skin.

The intent of this job specification is to provide a representative summary of the types of duties and responsibilities that will be required of positions given this title and shall not be construed as a declaration of the specific duties and responsibilities of any particular position. Employees may be requested to perform job-related tasks other than those specifically presented in this specification.
A person with a disability who is pursuing employment opportunities with Indiana University and wishes to discuss minimum requirement accommodations should contact the campus HR office.