CONTROLS TECHNICIAN

NATURE OF WORK

This is technical and skilled work in the maintenance and repair of heating, ventilation, and air conditioning control systems in the University.

Work involves the maintenance and repairs to pneumatic, electric, and electronic controls and equipment related to heating, ventilation, and air conditioning systems. Work is carried out under the general supervision of the Mechanical Systems Supervisor; however, independent judgment may be exercised in determining the extent of repair work required and work procedures to be adopted. Work is reviewed by observation of results obtained.

ILLUSTRATIVE EXAMPLES OF WORK

Maintains, repairs, and calibrates a variety of pneumatic, electric, and electronic controls and equipment related to heating, ventilating, and air conditioning systems; reviews work of contractors with the installation of new heating, ventilating, and air conditioning systems and controls.

Repairs and replaces parts in control systems and equipment.

Operates a variety of precision hand and power tools including soldering irons, drill presses, and saws; fabricates control panels.

Maintains a supply of parts as required.

Performs related work as required.

REQUIREMENTS OF WORK

Considerable work in the maintenance, repair, and calibration of a variety of pneumatic, electric, and electronic controls and systems related to heating, ventilating, and air conditioning systems; graduation from high school supplemented by successful completion of courses in electronics and related subjects from an institution of technology or trades school; or any equivalent combination of experience and training which provides the following knowledge, abilities and skills:

Considerable knowledge of the University's heating, ventilating, and air conditioning systems and their location on University property.

Considerable knowledge of the methods, materials, and tools used in the maintenance and repair of pneumatic, electric, and electronic controls.

Knowledge of the occupational hazards and proper safety precautions of the work.

Knowledge of the operation and uses of testing equipment, ultrasonic cleaner, pneumatic pilot positioner, climatic controls, and solid state current valves.

Ability to plan and maintain a controls maintenance program.

Ability to read and interpret control and system diagrams.

Skills in the use of tools of the trade.

1125
1995.05.06
Revised: 2004.01.05