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Class Specifications
for the Class:

AIR CONDITIONING MECHANIC I

Duties Summary:

Performs preventive maintenance, repair, minor overhaul, and operation of a variety of air conditioning, refrigeration, and ventilation equipment; and performs other related duties as assigned.

Distinguishing Characteristics:

This is the fully competent worker in the series.

This class differs from the Air Conditioning Mechanic II in that the Air Conditioning Mechanic I maintains, repairs, performs minor overhaul, and operates a variety of air conditioning, refrigeration, and ventilation equipment; whereas, the Air Conditioning Mechanic II, in addition to performing skilled air conditioning mechanic work for a substantial amount of time, supervises, as a continuing work assignment, the work of fully competent air conditioning mechanics; or in addition to performing skilled air conditioning mechanic work, plans, assigns, supervises, instructs, reviews, and evaluates the work of an inmate workline.

Examples of Duties:

Performs preventive maintenance, repairs, performs minor overhaul, and operates air conditioning, refrigeration and ventilation systems which include compressors, starters, motors, blowers, fans, pumps, air handlers, condensers, piping, cooling towers, heat exchangers, pressure switches, temperature controls, remote indicating systems and automatic controls; conducts operational tests to obtain optimum performance of the air conditioning systems; periodically inspects all air conditioning and refrigerating machinery such as water towers, air cooled central and package air conditioning systems, walk-in reefers, ice making machinery, water coolers and cold storage refrigeration plants/units; lubricates machinery, adjusts and/or changes belts, checks pressure, tests for freon leaks, cleans and defrosts equipment, removes scale and rust and repaints equipment, replaces motors, oxyacetylene and electric soldering

and welding on refrigerating and air conditioning systems; locates and isolates malfunctions, and estimates materials, parts and labor needed to repair equipment; reads plans, specifications, manuals and instructions applicable to air conditioning and refrigerating systems; supervises trades helpers and/or laborers as assigned.

Knowledge and Abilities Required:

Knowledge of: Methods and procedures used in the operation, preventive maintenance and repair of air conditioning and refrigeration systems; servicing requirements, tools, chemicals and testing equipment relating to the operation and maintenance of air conditioning and refrigerating systems; principles of air conditioning and refrigeration; basic safety procedures that are applicable to the work.

Ability to: Identify malfunctions and defects and take corrective action; maintain, service, and repair air conditioning and refrigeration systems; use and maintain tools and equipment used in the trade; read plans and specifications; estimate time, labor and material requirements; understand and follow oral and written instructions.

This is a change in title and an amendment to the specification for the class AIR CONDITIONING MECHANIC approved on July 22, 1970.

DATE APPROVED: 3/28/90

ALFRED C. LARDIZABAL
Director of Personnel Services