

PUEBLO SCHOOL DISTRICT 60
CLASSIFIED JOB DESCRIPTION

Job Title: HVAC/R Technician
Prepared Date: 4/7/2004
Revised Date: 10/15/2018
Work Year: 261 days
Department: Facilities
Reports To: Trades Foreman
Salary Range: Licensed/Certified/Journey Trades – ACME Negotiated Agreement
Benefits: Fringe Benefits based on ACME Negotiated Agreement
Status: Non-Exempt

SUMMARY OF FUNCTIONS:

The primary responsibility of the HVAC/R technician is to perform skilled mechanical and electrical work in the inspection, service, installation, repair, and alteration of heating, ventilation, air conditioning, and refrigerant systems and related equipment under the supervision and direction of the HVAC/R Project Leader and Trades Foreman.

QUALIFICATIONS:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. The physical demands, work environment factors, and mental functions described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

REQUIRED:

- High School Diploma or equivalent
- Previous and applicable journey level HVAC-Refrigerant experience
- Valid Colorado driver's license. Employee will be required to drive one or more District vehicles. Employee must be insurable by the District's insurance carrier
- Section 608 Technician Certification, or obtained within 6 months of employment
- Ability to pass District designated post-offer lift test
- Employee must complete a fingerprint-based criminal background check and must be cleared by the Office of Human Resources
- Must be able to communicate effectively in English, both orally and in writing, using proper grammar and vocabulary

PREFERRED:

SKILLS AND KNOWLEDGE:

- Excellent interpersonal and communication skills.

- Knowledge of the principles, practices, methods, techniques, materials, tools, equipment, layouts, and set-ups used in HVAC/R systems and operations
- Knowledge of electronics, including microprocessor operations and digital controls
- Knowledge of energy management and conservation systems including remote computer aided access
- Basic knowledge of construction, carpentry, electrical, and plumbing concepts, practices, and techniques
- Knowledge of the uses and purposes of general maintenance, hand and power tools and equipment
- Knowledge of pertinent Federal, State, and local laws, codes, and regulations in area of specialization
- Sufficient math skills to record and compute detailed measurements and calculate load factors
- Ability to perform all of the essential duties in the area of specialization at the journey level with minimal supervision
- Ability to use and maintain all of the tools, equipment, and vehicles used during routine performance of duties
- Ability to plan and schedule maintenance and system operations to maximize energy efficiency while responding to the needs of the customers
- Ability and initiative to independently develop methods and techniques in the interest of effectiveness and efficiency
- Ability to interpret plans and specifications

ESSENTIAL DUTIES AND RESPONSIBILITIES:

The following statements of duties and responsibilities are intended to describe the general nature and level of work being performed by individuals assigned to this position. These statements are not intended to be an exhaustive list of all duties and responsibilities required of all personnel within this position. This organization believes that every individual makes a significant contribution to our success. That contribution should not be limited to assigned responsibilities. Therefore, this position description is designed to define primary duties, qualifications and job scope but should not limit the incumbent nor the organization to the work identified. It is our expectation that every employee will offer his/her services wherever and whenever necessary to ensure the success of the District's/department's goals. Actual duties, responsibilities, frequency, and percentages may vary depending upon building assignments and other factors.

- Perform preventive maintenance on high voltage switch gear, walk-in freezers, and cafeteria equipment, as they relate to HVAC or related equipment.
- Assists with fabrication and installation of duct work, airflow systems, condensers, refrigeration. Removes old equipment and refrigerants according to applicable laws and safety standards.
- Clean evaporators, condensers, drain lines, and motors that contribute to efficient energy management

- Perform a variety of electrical repair and maintenance duties. Install, adjust, repair or replace, motors, heaters, transformers, dampers and other electrical apparatus. Operate electrical equipment.
- Maintain air handlers at optimal levels. Tighten, adjust, repair, replace, and calibrate boilers, chillers, cooling towers, variable frequency drives, motor control contactors, pumps, etc. Perform tune-ups and preventive maintenance on chillers.
- Operate, maintain, inspect, and repair heating, air conditioning refrigeration, water treatment, co-generation, heat reclamation, thermal energy storage, ventilation and air compressor equipment used with HVAC.
- Test, adjust, and calibrate boiler and air conditioning machinery and mechanical, electrical, and digital control instruments. Test and, as required, chemically treat boiler, condenser and cooling tower water and water from other systems.
- Respond to reports of heating or cooling problems, suspicious odors, electrical problems, refrigeration problems, and other urgent situations. Maintain, inspect, diagnose and make emergency repairs to natural gas, water, refrigeration, and air distribution systems.
- Administers building energy management systems by assisting with installation of computer-aided controls, digital building HVAC equipment controllers, drives and volume boxes, data communications cabling, and other devices.
- Interpret load factors to ensure adequate cooling and heating of occupied space, including air distribution system plenums, economizers, electrical loads, and exhaust fans.
- Trouble shoot and repair motor controllers, pumps.
- Read, interpret, and maintain up-to-date blueprints, maps, schematic wiring diagrams and specifications.
- Access and retrieve work orders using the automated work order system. May enter time and materials information associated with work performed on orders.
- Respond to emergency or critical incidents in order to confine, resolve, and/or prevent environmentally hazardous conditions
- Maintain up-to-date knowledge of indoor air quality standards and compliance requirements. Confer with others to recommend and evaluate heating, ventilation, air conditioning, and energy management infrastructure for new and remodeled facilities.

NON-ESSENTIAL DUTIES:

- Perform any and all other duties as assigned by Trades Foreman, Maintenance and Operations Supervisor, or the Executive Director of Facilities.

The physical demands, work environment factors, and mental functions described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

PHYSICAL DEMANDS:

Every facilities employee must be able to pass a lift test required by the District. While performing the duties of this job, the employee is required to stand; walk; sit; use hands and

fingers to handle or feel. The work requires the use of telephone and using fingers to operate computer keyboards. The employee is continually hearing and speaking to exchange information. The employee is required to reach with hands and arms; climb or balance; and stoop, kneel, crouch, or crawl.

In an 8-hour workday, this job requires:

R – Rarely (Less than .5 hr per day)

F – Frequently (2.5 – 5.5 hrs per day)

NA – Not Applicable

O – Occasionally (.5 – 2.5 hrs per day)

C – Continually (5.5-8 hrs per day)

Physical Requirements	NA	R	O	F	C
Sitting				X	
Stationary Sitting			X		
Walking (level surface)				X	
Walking (uneven surface)			X		
Crawling		X			
Crouching (bend at knees)				X	
Stooping (bend at waist)				X	
Twisting (knees/waist/neck)			X		
Turn/Pivot			X		
Climbing (stairs)			X		
Climbing (ladder)			X		
Reaching overhead				X	
Reaching extension				X	
Repetitive use arms				X	
Repetitive use wrists				X	
Repetitive use hands grasping				X	
Repetitive use hands squeezing				X	
Fine manipulation				X	
Using foot control			X		
*Pushing/Pulling Maximum weight: 100 lbs.			X		
Lifting Maximum weight: 100 lbs.			X		
Carrying Maximum weight: 75 lbs.			X		

WORK ENVIRONMENT:

The noise level in the work environment is usually moderate but a technician may be exposed to very loud noises that can damage hearing without proper protection. The technician may work inside and outside in all different weather conditions including extreme cold and extreme heat. The technician may be exposed to unpleasant sights and smells. He/she may at times be exposed to dangerous and/or toxic substances and must take necessary precautions to protect eyes, nose, and skin from irritation and infection. Regularly exposed to the possibility of receiving cuts and serious injuries and risk of electrical shock while performing work using power tools and systems