

# DISTRICT SCHOOL BOARD OF PASCO COUNTY

## JOB DESCRIPTION

### Air Conditioning Chiller Mechanic

<b>Department:</b> Maintenance and Facilities Services	<b>Job Code:</b> 5197
<b>FLSA:</b> <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Non-Exempt	<b>Salary Schedule:</b> 23B + applicable supplement
<b>Reports To:</b> Crew Chief of HVAC Services	<b>Work Days:</b> 245 Days
<b>Board Approved Date:</b> February 21, 2017	<b>Work Hours:</b> 8.0 hrs/day

**JOB GOAL:** Responsible for performing journeyman level work in the heating, ventilation, and air conditioning trade involving, diagnosis and repair of chillers, pneumatics, electric motors, and electronic and computerized control systems.

#### ESSENTIAL DUTIES & 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.*

1. Maintain, inspect, and repair pneumatic and electronic, electric, and Direct Digital Control (DDC) HVAC system controls.
2. Use Testing, Adjusting, and Balancing (TAB) techniques to perform diagnostic and troubleshooting functions and determine appropriate resolution.
3. Examine systems to verify compliance with plans and specifications to detect malfunctions in component parts and equipment during annual inspections.
4. Study building system design, as-built blueprints, HVAC systems diagrams, technical specifications, and system configurations.
5. Plan and schedule installation and repair of chiller and HVAC systems.
6. Order appropriate materials, components, and equipment necessary for efficient system operation.
7. Assist other maintenance staff on more difficult chiller repairs.
8. Repair, replace, and remove large motors and other related equipment as needed to ensure proper working order of HVAC and chiller systems.
9. Perform other duties as assigned.

***This position is subject to OTETA drug and alcohol testing required under the United States Department of Transportation Regulations.***

#### MINIMUM REQUIREMENTS:

*Requirements are representative of minimum levels of knowledge, skills and/or abilities. To perform this job successfully, the incumbent will possess the abilities or aptitudes to perform each duty successfully. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.*

#### KNOWLEDGE, SKILLS & ABILITIES:

- Considerable knowledge of the HVAC trade
- An extensive knowledge of chiller operations including knowledge of automated control systems and components
- Knowledge of the test and diagnostic equipment and instruments and hand and power tools used in this work
- Operating knowledge of computer programs, including email, word processing, spreadsheets, and databases
- Ability to communicate effectively with a variety of audiences, orally and in writing, including electronic media
- Ability to organize, prioritize, manage and carry out duties efficiently and within established timeframes
- Ability to establish and maintain collaborative working relationships with all stakeholders
- Job requires, on occasion, work beyond normal duty hours in support of emergency or high priority work.
- New hires must meet physical requirements of Post Offer Employment Testing (POET); current employees are not required to have this screening

#### EDUCATION, TRAINING & EXPERIENCE:

- High school diploma or equivalent.
- Experience in the HVAC trade as a service/maintenance technician or under an apprenticeship/vocational training program with a minimum of four years hands on chiller repair, service, and maintenance
- Experience with automated system controls  
OR
- Any equivalent combination of education and experience which provides the required knowledge, skills, and abilities to perform the essential duties and responsibilities of the position

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### CERTIFICATES, LICENSES, & REGISTRATIONS:

- Appropriate valid Florida driver's license
- EPA approved Universal Type Refrigerant Recovery Certificate

### PREFERRED QUALIFICATIONS:

- Completion of a trade school or equivalent program in air conditioning and refrigeration.
- Five years or more experience diagnosing and repairing HVAC systems with a focus on chillers, large pumps, and motors.

**SUPERVISORY RESPONSIBILITY:** none

### PHYSICAL REQUIREMENTS *(Describes physical conditions of this position):*

<input type="checkbox"/>	Sedentary Work	Exerting up to 10 pounds of force occasionally and/or a negligible amount of force frequently to lift, carry, push, pull or move objects. Sedentary work involves sitting most of the time. Jobs are sedentary if walking and standing are required only occasionally and all other sedentary criteria are met.
<input type="checkbox"/>	Light Work	Exerting up to 20 pounds of force occasionally and/or up to 10 pounds of force frequently. If the use of arm and / or leg controls require exertion of forces greater than that for sedentary work and the worker sits most of the time, the job is rated as Light Work.
<input type="checkbox"/>	Medium Work	Exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently and/or up to 10 pounds of force constantly to move objects.
<input checked="" type="checkbox"/>	Heavy Work	Exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects.
<input type="checkbox"/>	Very Heavy Work	Exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

### PHYSICAL ACTIVITY:

*(Physical activities of the job are listed below and are with or without accommodations for disabilities for this position. Frequency of each applicable activity is noted according to the following: R = Regularly; F = Frequently; O = Occasionally, S = Seldom)*

F	Sitting	Resting with the body supported by the buttocks or thighs.
F	Standing	Assuming an upright position on the feet particularly for sustained periods of time.
F	Walking	Moving about on foot to accomplish tasks, particularly for long distances.
R	Climbing	Ascending or descending ladders, stairs, scaffolding, ramps, poles, etc. using feet and legs and/or hands and arms.
R	Balancing	Maintaining body equilibrium to prevent falling when walking, standing or crouching on narrow, slippery or erratically moving surfaces.
F	Bending	Lowering the body forward from the waist.
F	Stooping	Bending body downward and forward by bending spine at the waist through the use of the lower extremities and back muscles.
R	Kneeling	Bending legs at knee to come to a rest on knee or knees.
F	Crouching	Bending the body downward and forward by bending leg and spine.
R	Crawling	Moving about on hands and knees or hands and feet
F	Twisting	Moving body from the waist using a turning motion.
F	Reaching	Extending hand(s) and arm(s) in any direction
R	Pushing	Using upper extremities to press against something with steady force in order to thrust forward, downward or outward.
R	Pulling	Using upper extremities to drag, haul or tug objects in a sustained motion.
F	Lifting	Raising objects from a lower to a higher position or moving objects horizontally from position- to-position through the use of the upper extremities and back muscles.
F	Finger Dexterity	Picking, pinching, typing or otherwise working primarily with fingers rather than with the whole hand or arm.

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R	Grasping	Applying pressure to an object with the fingers and palm.
O	Feeling	Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips
F	Repetitive Motions	Substantial and continuous movements of the wrists, hands, and/or fingers.
F	Talking	Expressing or exchanging ideas by means of the spoken word. Those activities in which detailed or important spoken instructions must be conveyed accurately, loudly or quickly.
R	Hearing Acuity	The ability of perceive speech and other environmental sounds at normal loudness levels.
F	Visual Acuity	The power to see at a level which allows reading of numbers and text, operations of equipment inspection of machines, etc.

### WORKING CONDITIONS:

*(Conditions the worker will be subject to in this position with or without accommodations for disabilities. Indicate all that apply to the position with an "X". Please note that there can be more than one condition.)*

<input type="checkbox"/>	Outdoors	The worker is subject to outside environmental conditions. There is not effective protection from weather conditions such as wind, moisture, sunlight, extreme temperature changes, etc.
<input type="checkbox"/>	Indoors	The worker is subject to inside environmental conditions. There is protection from weather conditions but not necessarily from temperature changes.
<input checked="" type="checkbox"/>	Indoors and Outdoors	The worker is subject to both environmental conditions. Activities occur inside and outside.
<input checked="" type="checkbox"/>	Cold	The worker is subject to extreme cold. Temperatures are below 32 degrees for periods of more than one hour.
<input checked="" type="checkbox"/>	Heat	The worker is subject to extreme heat. Temperatures are above 100 degrees for periods of more than one hour.
<input checked="" type="checkbox"/>	Noise	The worker is subject to noise. There is sufficient noise to cause the worker to shout in order to be heard above the ambient noise level.
<input checked="" type="checkbox"/>	Vibration	The worker is subject to vibration. There is exposure to oscillating movements of the extremities or whole body.
<input checked="" type="checkbox"/>	Hazards	The worker is subject to hazards. This includes a variety of physical conditions, such as proximity to moving mechanical parts, electrical current, working on scaffolding and high places and exposure to high heat or chemicals.
<input checked="" type="checkbox"/>	Atmospheric Conditions	The worker is subject to atmospheric conditions. One or more of the following conditions affect the respiratory systems or the skin: fumes, odors, mists, gases or poor ventilation.
<input checked="" type="checkbox"/>	Oils	The worker is subject to oils. There is air and/or skin exposure to oils and other cutting fluids.
<input type="checkbox"/>	Respirator	The worker is required to wear a respirator.
<input type="checkbox"/>	None	The worker is not substantially exposed to adverse environmental conditions (such as in typical office or administrative work).
<input type="checkbox"/>	Other	

### MACHINES, TOOLS, EQUIPMENT:

*(Machines, tools, equipment, electronic devices, vehicles, etc, used in this position.)*

General office equipment, including personal computers, fax machines, copiers, telephones, etc. All brands of Chillers HVAC Control systems which may include, but are not limited to, Allerton, KMC, Johnson, Honeywell, Trane Tracer, Carrier and Delta.

*Pasco County School District will provide reasonable accommodations to qualified individuals with disabilities to allow them to perform the essential functions of the job when such individuals request an accommodation.*