

Job Description

An Equal Opportunity Employer

Job Title:	Engineering Technician, Building Mechanical Systems
Division:	Facilities
FLSA Classification:	Non-Exempt
Reports to:	Facilities Manager
Revision Date:	December 2018
Primary Purpose:	Executes museum-wide maintenance and repair program for facility equipment and components, to include but not limited to: HVAC building automation, HVAC equipment, refrigeration equipment, kitchen equipment, plumbing, electrical, and other equipment/components associated with the environmental systems and physical plant of the Museum's facilities.
Essential Functions:	<ul style="list-style-type: none"> • Repairs, inspects, overhauls and performs scheduled maintenance of heating, ventilating and air conditioning systems, refrigeration and food service equipment. • Maintains tight climate conditions in collection areas to ensure that environmental systems are functioning properly. • Installs, replaces, adjusts, and calibrates major components of refrigeration systems such as compressors, condensers, expansion valves, service valves, thermostats, coils, and drive assemblies. • Uses direct digital control (DDC) systems to monitor HVAC systems and operations from remote locations. • Checks, repairs and and/or replaces valves, motors, controls, switches, gauges, wiring, fans, pumps, compressors, condensers, cores, pipes and other functional components of the system. • Performs all work in accordance with established safety procedures and schedules. • Complies with safety and environmental procedures and all applicable codes and regulations of governmental agencies. • Participates in the Facilities on-call rotation. Responds quickly to emergency situations. • Performs other duties and assignments as required.
Knowledge, Skills and Abilities:	<ul style="list-style-type: none"> • Ability to read control drawings, wiring diagrams, and blue prints. • Understanding of micro processing controls and building management systems. • Ability to use computers or other electronic tools for trouble shooting and servicing HVAC systems, including air balancing and refrigeration equipment. • Strong knowledge of refrigeration tools and equipment, including but not limited to refrigeration gauges, vacuum pumps, torches, leak detector equipment, and velocity and cfm meters. • Demonstrated proficiency in troubleshooting HVAC controls, VFD controls, VAV and motor starters.

<p>Required Education/Experience:</p>	<ul style="list-style-type: none"> • High School/GED. • College or trade related courses preferred • 2-4 years' related experience servicing equipment and direct digital control building automation systems. • VA driver's license.
<p>Working Conditions:</p>	<p>Frequent work inside and outside, working in inclement weather conditions, including but not limited to heat, cold, precipitation, and humidity. May work in small, low height locations. May be exposed to noise, fumes or airborne particles, and vibration. Must be willing and able to wear Personal Protective Equipment as required by established Safety standards. Designated as essential personnel. In the case of an emergency, will be required to report to work, including in inclement weather.</p>
<p>Physical Requirements:</p>	<p>Regularly requires intermittent sitting, standing, walking, climbing, squatting, crawling, and kneeling. Requires constant use of hands and fingers to feel, handle or operate objects, tools, or controls, and reach with hands and arms. Must occasionally lift, push, pull and/or move up to 50 pounds or more with assistance, 25-50 without assistance. Specific vision required by this job includes close vision, distance vision, peripheral vision, color vision, and the ability to adjust focus.</p>