

Position Description

To perform this job successfully, an individual must be able to perform the essential job functions satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary job functions herein described. Since every duty associated with this position may not be described herein, employees may be required to perform duties not specifically spelled out in the job description, but which may be reasonably considered to be incidental in the performing of their duties just as though they were actually written out in this job description.

Job Title: Energy/Security Technician
Pay Table: Support
Pay Grade: 12
FLSA Status: TBD
Job Code: 553
Reports to: Lead Energy/Security Technician

JOB SUMMARY

Under the general supervision of the Lead Energy/Security Technician, the Energy/Security Technician installs, sets up, adjusts and repairs electronic energy management and security systems. Also requires the incumbent to design and build components of systems and complete electrical installation required for system power.

ESSENTIAL JOB FUNCTIONS

- Designs and customizes layout of energy maintenance and security systems.
- Analyzes blueprints and integrates energy management and security systems to existing building control systems.
- Compiles and requests material for fabrication of facility management systems.
- Installs energy and security control systems in buildings (Note: required to work with building voltages of 120 to 480 volts.).
- Connects field relays to AC panels, motors, lights, fans, etc.
- Pulls wire while connecting systems in buildings (from panels to fan rooms, boiler rooms, doors, etc.).
- Runs telephone wire, connecting equipment to telephone equipment.
- Designs and fabricates control panels, consisting of control relays, fuses, termination breaks, switches, power supplies, overcurrent protection, etc.
- Fabricates relay panels with wire gutter, relay track, terminal strips, etc.
- Fastens electrical and electronic components to walls in buildings (i.e. wire gutters, junction boxes, security door contacts, motion detectors, temperature sensors, sump alarms, override key switches).
- Runs conduit from panels to boxes to controlled equipment. Installs control relays for fans, boilers, pumps, air coolers, exhaust fans, etc.
- Connects equipment to phone lines for 24-hour communication.
- Connects control points to building HVAC systems, including indoor and outdoor building lighting, utility metering systems, etc.
- Connects building electricity to installed equipment and systems.
- Tests and maintains energy control systems. Goes to buildings as called to

troubleshoot and repair systems.

- Inspects new construction projects for appropriate setup.
- Programs panel parameters to network with main energy/security.
- Calibrates temperature analogs via parameter programming.
- Completes daily reports of work progress.
- Installs damper motors in swamp coolers.
- Is on call for after-hour emergencies.
- May oversee the Security/CCTV network, including installing, maintaining, repairing and replacing all hardware and software components of digital and analog video surveillance systems.
- May provide training to district administration and community law enforcement regarding monitoring cameras, searching video timelines, recording and saving classified video segments for use in policy infraction on law enforcement issues.

MINIMUM REQUIREMENTS

- Completion of journeyman apprentice program or equivalent training and experience.
- Four (4) years of experience related to the above tasks, knowledge, skills and abilities or an equivalent combination of education and experience.
- Drivers license.
- Journeyman certificate desirable.

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of electrical construction.
- Thorough knowledge of energy and security control systems.
- Basic knowledge of HVAC systems, fire alarm systems, electric and pneumatic controls.
- Basic computer skills.
- Ability to use highly technical computer applications.
- Ability to use or repair small, medium and heavy equipment.

PHYSICAL DEMANDS

Medium work: Exerting up to 50 pounds of force occasionally, and/or up to 30 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects. The work also requires the following physical abilities in order to perform the essential job functions: balancing, climbing, crawling, crouching, feeling, fingering, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity and walking.

WORKING CONDITIONS

Employees in this position work in a dynamic environment that requires them to be sensitive to change and responsive to changing goals, priorities, and needs.

The Davis School District has the right to revise this position description at any time.