POSITION DESCRIPTION

TITLE: PLC Technician

PRIMARY FUNCTION:

Applies electronic theory, principles of electrical circuits, electrical testing procedures, engineering mathematics, physics, and related knowledge to layout, build, test, troubleshoot, and repair production equipment.

ORGANIZATIONAL RELATIONSHIPS:

LINE: Works under minimum of technical supervision. Operationally reports directly to Maintenance Supervisor.

STAFF: Interfaces with other departments/personnel for the purpose of analyzing and/or supplying information to achieve processing/manufacturing requirements.

SPECIFIC RESPONSIBILITIES:

- Observes functioning of installed equipment to detect hazards, problems, and the need for service, repair and/or replacement of electrical, electronic and mechanical components.
- Discusses performance issues and improvement ideas with pertinent technical staff.
- Reads and understands electronic and electrical schematics; draws sketches to clarify design details and functional criteria of electronic units.
- Assembles experimental circuitry of complete prototype models according to engineering instruction, technical manuals, and knowledge of electronic systems and components and their functions.
- Recommends changes in circuitry of installation specifications to simplify assembly and maintenance.
- Required to maintain backups of programs from all electrical devices.
- Understands and is able to trouble-shoot and repair solid-state motor drives, solid-state temperature controllers, and computer-based controllers.
- Sets up standard test apparatus or contrives test equipment and circuitry; conducts functional and operational tests to evaluate performance and reliability of prototype or production models.
- Analyzes and interprets data from solid-state motor drives and controllers scope meters and other troubleshooting equipment.
- Adjusts, calibrates and aligns circuitry and components and records effects on unit performance.
- Must be able to check newly installed equipment to evaluate system performance under actual operating conditions.
- Must be able to obtain forklift and aerial lift platform licenses.
- Keeps work area clean and orderly and free of hazards.
COMPETENCIES:

- Application of Standards
- Continuous Improvement
- Formalization and Transmission of know-how
- Team Work
- Deployment and Monitoring of Key Indicators

REQUIREMENTS:

- Must be able to read, write, and comprehend the English language (i.e., the language of all plant directives) for required document control, equipment operation, and supervisor/peer instructions.
- Over five (5) years of experience within electronics field.
- Completion of an accredited apprenticeship.
- Associates degree in Electronics Technology or equivalent certification.
- Documented proficient working knowledge of Allen Bradley and Siemens plc's/controls/protocols platforms is required.
- Must be able to work other shifts and overtime to complete work as needed.
- Employee must be willing to be on call to support production needs.
- Must have computer skills, with the capability to use email, compile reports and spreadsheets for parts and project tracking.
- Must be able to prepare technical reports for documenting issues/changes to equipment.
- Must be able to manage projects for implementing changes and improvements.
- Employee is responsible for their own work, and must exercise care and compliance of all established safety procedures.
- Employee must adhere to company safety policies (safety shoes, glasses, etc.).
- May be required to work in somewhat disagreeable working conditions (dirt, fumes, lubricants, etc.).
- Must be able to handle physical heavy lifting of materials/tools up to 75 pounds. Heavier materials may require assistance.
- Must be able to work on aerial lift platforms up to 80 feet on a limited basis, 30 feet on average.

TOOL USAGE REQUIREMENTS:

- General hand tools.
- Various power tools such as, but not limited to, drill motors, saws all, band saw, hammer drill, power auger, pipe threading machine, etc.
- Shop Equipment: Horizontal band saw, drill Press, belt sanders, grinders, vertical band saw etc.

PHYSICAL REQUIREMENTS / ACTIVITY:

Percentage of time during the normal workday the employee is required to:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Sit</th>
<th>Stand</th>
<th>Walk</th>
<th>Lift</th>
<th>Squat</th>
<th>Bend</th>
<th>Twist</th>
<th>Crawl</th>
<th>Kneel</th>
<th>Climbing</th>
<th>Reach above shoulders</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0%</td>
<td>40%</td>
<td>10%</td>
<td>15%</td>
<td>5%</td>
<td>10%</td>
<td>0%</td>
<td>0%</td>
<td>5%</td>
<td>3%</td>
<td>2%</td>
</tr>
</tbody>
</table>
Maximum consecutive time during the normal workday for each activity in minutes:

- Sit: 0 minutes
- Lift: 1-2 minutes
- Twist: 0 minutes
- Riding: 10 minutes
- Stand: 20-30 minutes
- Squat: 1-2 minutes
- Crawl: 0 minutes
- Climb: 2 minutes
- Walk: 5-10 minutes
- Bend: 2-5 minutes
- Kneel: 10-15 minutes
- Reach above shoulders: 1 minute

THE WEIGHT TO BE LIFTED EACH NORMAL WORKDAY

(Occasionally 1-33%; Frequently 34-66%; Continuously 67-100%)

<table>
<thead>
<tr>
<th>Weight</th>
<th>Occasionally</th>
<th>Frequently</th>
<th>Continuously</th>
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</thead>
<tbody>
<tr>
<td>Up to 10 lbs.</td>
<td>X</td>
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<td></td>
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<tr>
<td>11 to 20 lbs.</td>
<td>X</td>
<td>X</td>
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<tr>
<td>21 to 35 lbs.</td>
<td>X</td>
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<td></td>
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<tr>
<td>36 to 50 lbs.</td>
<td>X</td>
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<td></td>
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<tr>
<td>51 to 75 lbs.</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>Over 75 lbs.</td>
<td></td>
<td>NOT WITHOUT HOIST OR ASSISTANCE</td>
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</tbody>
</table>

This data reflects the general duties and requirements considered necessary to describe the principle function of the job described and shall not be construed as a detailed definition of all work requirements that may be inherent in the job.

EMPLOYEE ___________________________ DATE

DEPT SUPERVISOR ____________________ DATE

DIVISION MANAGER ____________________ DATE

HUMAN RESOURCES ____________________ DATE