

Livingston & Haven



QMS Document Number	LHQMS-S3JDF1.1.5
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Job Title	Controls Engineer	Supervisor	N/A
Department	S3 Engineering	Manager	Engineering Manager

POSITION SUMMARY

Type of Position	Hours Per Week	Tax Status
<input checked="" type="checkbox"/> Full Time <input type="checkbox"/> Part Time <input type="checkbox"/> Temporary <input type="checkbox"/> Contractor	40	<input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt

GENERAL DESCRIPTION

As a member of the S3 Engineering Team, the Controls Engineers focus is to provide design guidance to S3 Engineering for the selection and application of electrical automation products.

PRIMARY RESPONSIBILITIES

- Assist programmers when required
- Prepare schematics, outline drawings and Bill of Materials required for manufacturing
- Interpret customer specifications and act as a technical resource for Manufacturing
- Assist in cost estimating by providing labor estimates and Bill of Materials for enclosures and wiring devices required for electro hydraulic and mechanical systems
- Assist in populating the CAD libraries
- Read and understand the implications of Technical Specifications as related to industrial machine controls
- Familiar with UL 508 electrical panel standards
- Perform calculations necessary to verify or predict the requirements for heating and cooling in enclosures
- Prepare schematics, outline drawings and Bill of Materials required for manufacturing using quotation documents and specifications for industrial machine control
- Act as technical resource for manufacturing
- Coordinate with Project Managers.
- Coordinate with Programmers
- Maintain high quality standards
- Maintain profitability through design and innovation
- Maintain professional working relations with Associates and Customers

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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION

- Minimum education required is an Associate's degree (A. A.) or equivalent from two-year college or technical school
 - Will consider combination of minimum of High School Diploma plus experience
 - Bachelor's degree in Electrical Engineering is preferred
- Continuing education studies within a related field

EXPERIENCE
<ul style="list-style-type: none"> • 2 years in an electrical controls preferred • Systems manufacturing environment preferred but not required
SKILLS
<ul style="list-style-type: none"> • Proficiency with use of Microsoft Office software tools: Word, Excel, Outlook, PowerPoint, Visio • Ability to learn and master the L&H web based Sales Order, Work Order and Manufacturing Scheduling tools, upon permanent employment • Proficient with AutoCAD (Electrical) or similar CAD software • Read and understand the implications of Technical Specifications as related to electro-mechanical systems • Perform Calculations necessary to verify or predict performance of Electrical Systems • PLC Programming experience is a plus
TRAINING
<ul style="list-style-type: none"> • General and specific knowledge automation systems for industrial applications • Relative knowledge of components and their application – (relays, plc’s, starters, power supplies, etc.) • Discipline and product specific training – • Automation Specialist training and certification • Familiar with industry standard specifications such as IEC, NFPA, JIC, ANSI B31 & Y32, ISO 1219 and SAE J533

WORKING CONDITIONS	RELATED DOCUMENTS
<p>This is a salaried position with potential variable bonuses based upon personal as well as corporate performance. A 90 day evaluation period must be completed. The candidate should reside within a 50-mile radius of the facility, which is located in Charlotte, NC. All employees must conform and adhere to all policies reflected in the Associate Handbook. This is a smoke and drug free work place.</p>	

REVIEWED BY Sumpter Smith	TITLE Engineering Manager	DATE 3/13/14
APPROVED BY	TITLE	DATE