



POSITION: Design Engineer

ACCOUNTABLE TO: Vice President Engineering

DEPARTMENT: Engineering

PRIMARY OBJECTIVE OF POSITION:

To provide engineering analysis and design for established standard products and/or new product concepts for sales proposals and manufacturing needs.

POSITION RESPONSIBILITIES:

1. Develops conceptual sketches/schematic drawings showing major product characteristics in response to customer inquiries generated by sales representatives for cost estimate information.
2. Analyze the mechanical/physical parameters of products to assure sound design and adequate function. Uses mathematical, intuition, and computer aided methods.
3. Applies product knowledge, company experience, and design recall in the development of equipment characteristics to fill customer needs.
4. Requisitions unusual non-stock parts for production orders and may assist others in product design and common parts utilization.
5. Works with Manufacturing on fabrication optimization as well as production simplification from a design standpoint.
6. Works with Drafting to ensure that customer specifications and expectations are met.
7. Other duties as assigned.

SPECIAL OR OCCASIONAL RESPONSIBILITIES:

1. Keeps up to date on engineering and industry developments, including applicable codes and standards.
2. Attends company, industry, and department meetings as assigned.
3. Travels to customer facilities as necessary

QUALIFICATIONS:

1. Bachelor of Science in Engineering from an accredited college/university.
2. Ability to use mathematics and computers at an advanced level is required.
3. An aptitude for accuracy, attention to detail, and ability to work independently.
4. Strong computer and office technology skills, including but not limited to: computer networks, Microsoft Excel, Microsoft Word, and Microsoft Outlook.
5. Capable of multi-tasking.
6. Ability to communicate effectively orally and in writing.
7. Ability to project a positive and professional image to vendors and customers.
8. Ability to establish and maintain effective working relationships.
9. Exempt employees are expected to work the hours necessary to complete their job duties. (Usually 45- 50 hours per week.)
10. Entry Level Position