# Design Engineer Intern

**Owatonna, MN and Sioux Falls, SD**

**POSITION PURPOSE:**
- This position will provide technical engineering interface with customers, manufacturing, quality assurance, purchasing, sales, and suppliers.
- Under the general direction of the Engineering Supervisor perform a wide range of window and door product design applications, feasibility studies for users/customers and preparing detailed product specifications.

**ESSENTIAL DUTIES & RESPONSIBILITIES:**
- Work with Sales, Customer Service and Engineering to determine feasibility of development programs by gathering relevant customer information to facilitate development of product proposal.
- Support design projects through the creation new product designs and modification current product designs.
- Risk assessment and mitigation using DFMEA/PFMEA and FEA analysis.
- Create well-written product documentation, application notes, and specifications to communicate key information to internal and external customers efficiently and clearly.
- Play a key role in knowledge transfer by assisting with development of internal standards.
- Assist the Sales Department by supporting promotion of new products.
- Maintain responsibility for generating and following up on Engineering Change Notices (ECN).
- Contribute to projects using project management and communication tools.
- Assist with cross functional Engineering duties as required.
- Perform testing on products as needed for development and customer needs.
- Work with production to modify tooling to optimize productivity.

**KNOWLEDGE / SKILLS / ABILITIES:**
- Must be proficient in 3D CAD.
- Ability to present detailed project plans.
- Basic understanding of manufacturing methods, processes, flows, layout, and production equipment.
- Ability to work independently as a strong self-starter.
- Strong Customer Service Skills.
- Problem Analysis and Problem resolution methodology at both a strategic and functional level.
- Must be proficient in Microsoft Excel and Word.
- Excellent communication and positive teamwork skills.

**QUALIFICATIONS / PRIOR EXPERIENCE:**
- Education: Working toward BS or MS degree in Mechanical, Industrial, or Manufacturing Engineering.
- Understanding of LEAN or Six Sigma desired.
- Experience with complex multiple components assemblies a plus.

*The above statement reflects the general details considered necessary to describe the principal functions of the job identified, and shall not be construed as a detailed description of all the work requirements that may be inherent in the job.*

**Interested applicants, please submit resumes to careers@amesburytruth.com**