

Job Title: Design Engineer- Window & Door SF
Department: Product Management
Reports To: Director, Design Engineering

Shift: 1
Location: Sioux Falls
FLSA Status: Exempt

Position Purpose

- Drives AmesburyTruth's success in the Sliding Window & Patio Door product categories through delivery of Engineered solutions to internal and external customers
- Provides functional support for planning, control, and implementation of engineering projects
- Acts as technical interface with customers, manufacturing, quality, purchasing, sales, and suppliers

Essential Duties & Responsibilities

- Ability to understand product requirements and develop solutions
 - o In a team environment
 - o In accordance with cost targets
 - o In the timeframe required
 - o Through utilization of the AmesburyTruth Product Development Process
- Leads innovation efforts in the research and development of new Window and Door products
- Develops new specifications for Window and Door hardware products
- Provides innovative solutions for complex customer hardware requests
- Reduces product risk using DFMEA and FEA during the design process
- Ensures product manufacturability by driving Design for Manufacture (DFM) and Lean/Six Sigma exercises during product design
- Ensure products adhere to applicable industry/business standards and code requirements
- Identifies alternative and high performing materials for use in window and door products which will differentiate AmesburyTruth in the market
- Recommends unique new window and door hardware products and product improvements
- Identifies new methods of evaluating for products being developed

Knowledge / Skills / Abilities

- Strong technical proficiency with good breadth and depth of engineering knowledge
- Proven track record of bringing new innovation to market
- Solid understanding of manufacturing methods and production equipment for roll-forming, stamping, injection molding, and die-casting processes
- Ability to work independently as a strong self-starter
- Strong communication and interpersonal skills

Qualifications / Prior Experience

- 5+ years of experience in Mechanical Engineering Design
- Education: BS degree in Mechanical Engineering
- 1-2 years of experience in Design or Applications Engineering in the Fenestration Industry desired
- Exposure to Lean Six Sigma principles desired

Work Environment / Other Requirements

- Work is typically performed in a climate-controlled facility with moderate noise levels that are within OSHA limits
- Ability to utilize tools/equipment in R&D lab to build/test product prototypes
- Must be able to travel domestically & internationally
- Must be able to lift 25-50lbs occasionally