

Designer

Job Summary: The primary role of a Designer is to create fabrication drawings for pressure vessels, structural steel, piping, and P&ID's using Inventor and AutoCAD software. Serve as a mentor for other drafters and be responsible for the checking and accuracy of drawings produced for approval to the customer and fabrication shop.

Essential Responsibilities:

- Create 3D models and extract 2D fully dimensioned drawings with weld symbols and all other information to support fabrication
- Assist as checker to help with redlines and document control
- Compliant to ASME Y 14.7
- Support the Project from receipt of order, fabrication, and shipment
- Capable of overseeing multiple projects simultaneously
- Participate in design review in-house and with customer
- Continuously seek ways to improve the design process and communications
- Meeting Project timelines

Skills and Qualifications:

- Must have a high school diploma and extended education in drafting design and 3D software a plus
- Must be proficient in the use of Inventor, AutoCAD, Autodesk illogic and Vault
- Skilled at developing complete sets of complex designs which include structural designs, mechanical designs, ASME coded vessels, and piping designs
- Must have the ability to review and understand customer specifications
- Must have experience with ASME Section VIII DIV.1, AISC, SID, and OSHA
- Must have proven experience supporting fabrication shop with accurate details and bill of materials for constructability
- Ability to create conceptual designs through final design
- Have a strong understanding of welding symbols and application
- Ability to understand and use Compress calculations to create an ASME code vessel detail drawing
- Read and write English, communicating effectively with team members
- Be able to uphold Mueller Environmental Designs Core Values

Physical Requirements and other items to communicate:

The ability to lift 50 pounds. Work in a high pace manufacturing environment. Have the ability to multitask by sharing workspace with interruptions from others.

Employee Signature

Date

Supervisor Signature

Date

Human Resources Signature

Date