

# Dixie Tank Company

## Job Description

### *Design Engineer*

The candidate will be required to have knowledge in ASME tank design and a high degree of professional integrity, along with a positive and enthusiastic attitude. We are looking for an experienced Engineer who is a self-starter with excellent interpersonal and communication skills. Motivation and an eagerness to learn along with the ability to think outside the box and develop is a must.

#### **Major Duties for the ASME Design Engineer**

- Design and approval of ASME pressure vessels and piping systems.
- Project management
- Estimating, Design and utilization of AutoCAD to draw projects for manufacturing.
- Complete Bills of Materials as required for projects.
- Generate manufacturing, welding and testing requirements for projects and follow through to completion of the project.
- Help generate new manufacturing procedures to help with the efficiency of projects.
- Coordinate and oversee the creation and approval of the Drafting and Engineering documentation required to complete a project.
- Various Engineering assignments.
- Some physical survey of construction sites and the ability to design platforms and walkways as required to meet job site conditions, (travel will be limited).

#### **Job Requirements:**

- BS in Mechanical/Civil Engineering or equivalent with a minimum of 5 years' experience.
- Thorough knowledge in the design of Pressure Vessels and API tanks.
- Perform pressure vessel calculations in accordance with ASME Boiler and Pressure Vessel Code Section VIII.
- Good working knowledge of Pressure Vessel & pipe stress analysis software (e.g., Compress, APV, etc.)
- Familiarity with relevant industry codes and standards such as API, ASME, ANSI, NACE, BS and ISO standards.
- Manufacturing experience and/or operational support of pressure vessels and piping systems is preferred.
- Proficiency with AutoCAD & Inventor required and SolidWorks helpful
- Proficiency with Microsoft Word, Excel and Project.
- Understanding of Job Boss manufacturing software preferred but not required.