

DESIGNER III

JOB SUMMARY:

Prepare complex manufacturing modeling and drawing solutions of various types of boilers and ancillary equipment utilizing Autodesk Inventor.

ESSENTIAL JOB DUTIES AND RESPONSIBILITIES:

- Modify existing parts, assemblies, details and bills of materials without supervision.
- Create new standards and proposal drawings as directed.
- Verify accuracy of models, details and bills of materials of work for self and others.
- Identify and solve complex design problems.
- Structure models, details and BOM in a clear standard for others to understand.
- Other assignments, tasks or special projects as needed to support department efficiency and productivity.

COMPETENCIES:

- Strong written and verbal communication abilities
- Ability to manage multiple priorities and projects.
- Excellent time management and organizational skills
- Demonstrated critical thinking and problem solving.
- Flexibility and adaptability to changing priorities.
- Creative thinker who can develop innovative solutions.
- Detail-oriented with commitment to accuracy and quality.
- Analytical approach with data-driven decision making.
- Ability to guide Level I&II when asked questions.
- Ability to estimate time based on assignment understanding
- Strong mathematical skills using Trigonometry.

EDUCATION AND EXPERIENCE:

- Minimum 10+ years of experience in Manufacturing Design with advanced operational knowledge of departmental tools.
- Minimum 5+ years of piping experience with Inventor. Tube and Pipe Inventor Add-On is a plus.
- Must be able to visualize mechanical systems and be able to produce manufacturing drawings and details.
- Must be able to interpret drawings, sketches, and verbal descriptions to produce the required models, details, and bill of materials.
- Ability to follow written and oral instructions from supervisors as well as peers.
- Must be motivated and willing to learn new designs and software.

- Must be flexible and willing to adapt to changing drawing assignments and schedules.
- Must be able to perform work within the allotted time.

PHYSICAL DEMANDS:

- Must be able to sit, stand, walk, reach, bend, occasionally lift light objects, and able to operate a computer using a keyboard and mouse.
- Must be able to occasionally move about inside the office to access file cabinets and office equipment, etc.