
Job Title: MECHANICAL ENGINEER/PIPING DESIGNER – BALL GROUND, GA

SUMMARY: Design and Layout Cryogenics Piping Systems including: detailed general arrangement Isometric drawings, Bill of Materials (BOMs) and 2D fabrication drawings. Must have experience in drafting standards and be proficient in AutoCAD. This position supports outside sales, technical design, and in-house production.

ESSENTIAL DUTIES AND RESPONSIBILITIES- include the following. Other duties may be assigned.

- Design Vacuum Jacketed Piping (VJP) systems IAW ASME B31.3 & ASME B31.12.
- Understanding P&IDs and converting to dimensioned isometric drawings
- Knowledge of pipe stress analysis, thermal analysis, fluid flow analysis, expansion joints, and pipe supports.
- Experience in AutoCAD to create 2D Isometric general arrangement drawings and 2D Isometric fabrication drawings creating piping designs, pipe routings and detailing components utilizing AutoCAD
- Create and review Bill of Materials (BOMs) after customer has approved drawing. Must have strong knowledge of pipe & pipe fittings.
- Review Isometric general arrangement and fabrication drawings in AutoCAD
- Produces AutoCAD spool drawings for shop to build by; this entails figuring parts used, cut lengths and details
- Generate mechanical piping take-offs
- Work needs to be completed in a timely manner in conjunction with production schedule

SUPERVISORY RESPONSIBILITIES

This job has no supervisory responsibilities.

QUALIFICATION

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily within production schedule. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

- Bachelor's Degree in Mechanical Engineering or Piping Design with 2-5 years' experience; or equivalent combination of education and experience;
- Experience with AutoCAD (Version >2016). SolidWorks knowledge helpful.
- Knowledge of Mechanical Piping System and components required; Cryogenic Piping and VJP experience helpful.
- Demonstrated ability to manage multiple projects and deadlines.

MATHEMATICAL SKILLS:

Ability to work with mathematical concepts such as fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

REASONING ABILITY:

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical diagram form and deal with several abstract and concrete variables.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit; use hands to finger, handle, or feel; and talk or hear. The employee frequently is required to reach with hands and arms. The employee is occasionally required to stand and walk. Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Send resumes to:
Acme Cryogenics, Inc.
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"Acme Cryogenics is an Affirmative Action/Equal Employment Opportunity Employer" "Acme values the service Veterans and their family members have given to our country. Acme supports the hiring of returning Service Members and military spouses."