

Position: Mechanical/Piping Designer
Reports To: Design Supervisor

Minimum Requirements/Qualifications:

- Associate degree, technical trade school certification, or equivalent work experience
- 5+ years of piping & equipment layout design at industrial facilities; relevant work experience considered
- Proficiency in using AutoCAD, release 2016 or newer
- Working knowledge of 3D piping design software, preferably AutoCAD Plant 3D; Navisworks, AutoCAD MEP and working with point clouds a plus
- Working knowledge of pipe, pipe fittings, valves, piping support, piping material specifications, pipe stress analysis and equipment installation
- Field work experience in a heavy industrial environment
- Working knowledge in obtaining detailed field dimensions for fabrication and arrangement drawings
- Ability to handle multiple concurrent projects under tight time constraints
- Working knowledge of requirements for incorporating safety, maintainability, and operation into designs
- Good oral and written communication skills with an aptitude for mathematics
- Creative thinker with superior attention to detail and have the ability to work both independently and as part of a team
- Strong working knowledge with Windows & various Microsoft Office products

Basic Function:

- Responsible for a wide range of industrial design activities. Reports to the Design Supervisor.

Major Duties and Responsibilities:

- Design refinery systems to meet industry and safety standards
- Work closely with engineers to develop 2D/3D piping & mechanical designs associated with refinery improvements
- Prepare and issue construction packages; including bill of materials, plans and sections, isometrics, pipe support details, and P&ID drawings
- Provide field supervision and support for maintenance and construction projects
- Conduct equipment and piping inspections during construction and maintenance to ensure mechanical integrity

Other:

- The individual filling the position will join a staff of 16 other engineers/designers in the projects/engineering department who perform refinery engineering, design construction and inspection activities. Process areas of support include crude distillation, hydrotreating, naphtha reforming, isomerization, asphalt blending, sulfur recovery, tankage, marine facilities and refinery utility systems.