

Piping Designer

Duties & Responsibilities:

- Develop general equipment arrangement drawings that show equipment location and floor access from a 3D model
- Generate 3D models of equipment from mechanical engineering drawings
- Generate 3D structural steel models from structural engineering drawings
- Work closely with other engineering disciplines (process, project, structural and mechanical and vessel design) in developing equipment and structural drawings that meet general arrangement drawings requirements
- Route 3D piping using CADWorx in accordance with process and equipment drawing requirements
- Locate instrumentation and hand valves within piping model meeting process and accessibility requirements
- Work with pipe stress engineer to develop optimum routing of large/hot piping
- Generate and issue a piping bid package including piping bill of materials isometric drawings, pipe support details and piping arrangement drawings
- Generate and issue a piping construction package including piping bill of materials, isometric drawings, pipe support details and piping arrangement drawings
- Participate in meetings with project team members and clients.

Requirements & Qualifications:

- Bachelor's degree in mechanical engineering is preferred.
- Minimum of 5 years of previous work-related experience.
- A thorough knowledge of mechanical equipment, design, basic drafting techniques, field engineering and devotion to complex process systems
- Proficiency in using CADWorx, AutoCAD, Navisworks, Microsoft Word & Excel
- Knowledge of ASME codes
- Aptitude for mathematics.
- Excellent verbal and written communication skills.
- Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems
- Needs to be a creative thinker with superior attention to detail and have the ability to work both independently and as part of a team.

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