

Job Title: Sr. Project/CAD Designer

Department: Engineering

Reports To: Design & Drafting Manager / Engineering Manager

SUMMARY

The position has responsibility for coordination and execution of technical layouts, detail drawings, assemblies, and bills of material as assigned and coordinated by Project Engineers. Detail drawings include structural components, piping components and sub-assemblies, electrical wiring diagrams, instrumentation connections, welding maps, and assembly instructions.

The drawings may vary from 2-D AutoCad drawings to 3-D Inventor models. Reference drawings are often provided in standard equipment, but this position must be able to create and design equipment and piping assemblies from initial concept through completed system. This Designing position works closely with multiple project managers, so an aptitude for multi-project coordination and organizational skills are essential.

The Sr. Project/CAD Designer is an essential role in projects meeting deadlines and customers overall satisfaction with Generon products; so a professional and positive attitude can lead to growth and advancement within the company.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Follows established technical specifications to prepare drawings and assists in design drafting.
- Consults with engineers regarding model accuracy, design, and drafting standards.
- Layout, design, and detail components and assemblies to project requirements in a timely manner.
- Layout structural drawings with weld callouts and weld maps for certified project requirements.
- Assemble component drawings for General Arrangement drawings, including overall dimensions, work space restrictions, and securing and lifting requirements.
- Maintain an organized log or directory of project drawings, including back-ups, revision levels, and supporting documentation for final project release to Project Manager.
- Be responsive to Manufacturing changes and update drawings to reflect "As Built" changes to final drawings.
- Candidates will be expected to gain a working knowledge of GENERON'S ISO quality program and ensure that all drawings adhere to same.

EXPERIENCE

6+ years

SUPERVISORY RESPONSIBILITIES

This job has no supervisory responsibilities.

QUALIFICATIONS

- Associate's degree or its equivalent education or relative work experience in the Drafting /Designing discipline.
- Proficient in using recent versions of Autodesk Inventor and AutoCAD.
- Basic computer skills in the Microsoft Suite.
- Experience with industry standards and codes, such as ATEX, IEC, NEC, ASME, ANSI, CE is beneficial.
- Able to conduct field verification of designs prior to, during, and after construction.
- Experience in working with multiple tasks or projects.
- Pre-employment drug and alcohol screening.
- Background screening includes previous employment, education, and criminal history.
- A safety-minded awareness is required along with a positive willingness-to-learn attitude.

EDUCATION

Associate's degree or its equivalent education