



SHARPE ENGINEERING & EQUIPMENT, LLC

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AMHERST, WI 54406
(715) 824-7224

JOB DESCRIPTION

JOB TITLE	Senior Drafter / P&ID Designer
REPORTS TO	Mechanical Engineering Manager
OFFICE LOCATION	Madison, WI
TRAVEL	30%
FLSA STATUS	Exempt

Position Summary

The Senior Drafter / P&ID Designer role is critical to delivering accurate, high-quality process and piping documentation for complex food and beverage capital projects. The successful candidate will be responsible for leading the creation of process and instrumentation diagrams (P&IDs), overseeing drafting standards, and mentoring a small team of drafters. The role requires strong technical expertise, leadership capability, and the ability to translate field conditions into accurate design deliverables.

Key Responsibilities

- Lead the development, modification, and maintenance of AutoCAD P&ID drawings for process and packaging projects
- Create, review, and update P&IDs, general arrangements, and detailed fabrication drawings that meet Sharpe and customer standards
- Conduct site visits to review existing installations, collect field data, and convert plant piping and equipment into accurate drawings
- Coordinate with process, mechanical, and controls engineers to ensure drawings reflect functional and operational requirements
- Provide oversight and guidance to a team of up to 4 drafters, ensuring accuracy, consistency, and adherence to company standards
- Manage drawing libraries, templates, and CAD standards to support project efficiency and quality
- Support the implementation and integration of AutoCAD Plant 3D where applicable
- Participate in project reviews and client meetings to represent drafting deliverables
- Ensure compliance with industry codes, food safety regulations, and customer-specific standards
- Travel to client sites for field verification, data gathering, and project support

Work Conditions & Physical Demands

All the above duties and responsibilities are essential to successfully perform this job. The work conditions and physical demands listed below are representative of the knowledge, skill and/or ability required to perform this job. Reasonable accommodations may be made to enable individuals with disabilities to perform these essential functions.

- Overtime may be required as workload or project dictates. This may include nights, weekends and/or holidays.
- Be physically able to participate in training sessions, presentations, meetings and make site visits as required
- Job will generally be performed in an office environment, but regularly requires travel to a client's office, production facility or industrial/construction job site. Conditions will vary at each location.
- May be assigned to work at client's office, facility, or site for extended periods. Specific terms will be discussed prior to scheduling. When performing outside Sharpe Engineering's office, appropriate safety training and equipment will be provided by Sharpe Engineering and/or the client as required.
- While performing the duties of this position, you may be required to occasionally stand, walk, sit, reach with hands and arms, climb or balance, stoop or kneel, talk and hear, use fingers and hands to feel objects, tools or controls
- Noise levels will vary in each location; however, noise levels are usually loud in production facilities and at industrial/construction sites

Qualifications

Education & Experience

- 10+ years of drafting and P&ID design experience in process industries, preferably food & beverage manufacturing. Minimum 7 years of progressive experience in electrical engineering, industrial automation, and controls integration
- Proven ability to manage multiple projects, prioritize deliverables, and meet deadlines
- Prior experience supervising or mentoring junior drafters

Technical Skills

- Expert proficiency with AutoCAD P&ID; working knowledge of AutoCAD Plant 3D
 - Experience or proficiency in other design programs (SolidWorks, Rev-It) is preferred
- Demonstrated ability to take field measurements and convert existing plant layouts into accurate drawings
- Strong understanding of process equipment, piping layouts, valves, instrumentation, and material handling systems
- Strong communication skills with ability to collaborate across engineering, project management, and customer teams

Certifications & Requirements

- Valid U.S. driver's license (required)
- Ability to obtain a passport for international travel if required