

Position Summary

CRB is looking for an energetic, self-motivated, pro-active, organized, innovative, and well-rounded individual that has a basic understanding of the technical aspects of mechanical engineering and design, including HVAC, plant / process utilities, plumbing, and compressed gas systems design. The successful candidate shall possess the skills required to successfully handle multiple simultaneous complex tasks, execute project tasks, have a strong work ethic and drive to deliver for customers, and be a collaborative team player. This person will work closely with mid and senior level mechanical engineers and assist in the development of design documents including P&ID's, plant / process utility distribution plans, utility consumption summaries, airflow diagrams, pressurization plans, ductwork/piping plans, temperature/humidity control calculations, and equipment/construction specifications. This person will be expected to execute work on one or more projects simultaneously as delegated by the Project Leads. Project work may include all levels of design such as feasibility studies, conceptual and schematic design, as well as construction documentation and construction administration. Project sizes will vary and consist primarily of pharmaceutical, biotechnology, or industrial process projects including both existing building improvements and new construction. Multiple development paths are available, including the areas of HVAC and critical utility piping.

Qualifications

- Bachelor of Science Degree in Mechanical , Architectural, or Chemical Engineering
- 0-2 years of experience, preferably in a design firm setting
- Experience with AutoCAD and Revit required
- FE registration or completion preferred
- LEED Accredited professional or pursuit preferred
- Excellent leadership, communication, and computer skills required
- Ability to travel as required for client development and project execution

Responsibilities

- Assisting in the development of HVAC, plant and clean utility, plumbing, and compressed gas system philosophies.
- Developing project documents (e.g., calculations, reports and construction drawings and specifications, etc.) for clients according to regulatory and industry standards.
- Coordinating with other disciplines and other internal and external team members (e.g. vendors, clients, and contractors).
- Researching mechanical / utility materials and methods as required.
- Assisting with design development and coordinating with the design team at the direction of the Lead Mechanical Engineer.
- Developing Mechanical equipment and construction specifications.
- Developing temperature / humidity control calculations, airflow diagrams, pressurization plans, and classification plans.
- Sizing and developing layouts for ductwork and piping plans.
- Assisting with development of the building management system (BMS) control philosophy, details, and plans with I&C engineers.
- Developing utility consumption summaries for clean and plant utilities.
- Developing P&ID's, equipment plans, plant / process utility distribution plans, and system details.
- Performing construction assistance in the form of submittal reviews, RFI responses, and field visits to verify construction of I&C scope is proceeding per the intent of the design.

- Participating in discipline related internal and external project communication and coordination.
- Setting goals and executing them concerning professional development.

Position Type

This is a full-time position

Benefits

CRB offers a complete and competitive benefit package designed for individuals and families.

CRB is an Equal Opportunity Employer – M/F/D/V