

CAD/BIM Designer

Job Description

Drafting of mechanical, electrical, plumbing, fire protection and information technology systems designed by firm engineers utilizing AutoCAD (2D) drafting software and Revit (3D) building information modeling (BIM) software. This includes file management, plotting, and coordination with internal/external team members. Receive specific work assignments and direction from engineering staff with workload coordinated by the CAD/BIM Operations Coordinator.

Qualifications

- Candidate must live in the Chicagoland area or be willing to relocate at their own expense.
- Candidate must have a minimum 2 years relevant experience using 2D drafting or 3D modeling software.
- Must be proficient in the use of Microsoft Office 2007 or later.
- Must have the ability to work on multiple projects at the same time.
- Must exhibit personal drive and responsibility, be of outstanding character, self-motivated, and have a desire to work in a team-based environment.
- Must possess a strong attention to detail and the ability to problem-solve both independently and as part of a team.
- Practical experience using AutoCAD and/or Revit is a plus.
- Practical experience using Bluebeam or other PDF markup software is a plus.
- Familiarity with MEPFPIT system drawing standards and symbols is a plus.

Responsibilities

- Review existing building drawings and extract necessary information.
- Perform site visits to obtain field measurements and verify as-built conditions so that existing conditions can be drafted or modeled.
- Generate AutoCAD and Revit drawings to Elara drawing standards.
- Manage digital organization and filing of drawing related documentation for specific projects assigned.
- Draft/model and assist in the design of MEPFPIT building systems.
- Coordinate update of AutoCAD and Revit drawings with internal project teams and external consultants.
- Revise AutoCAD and Revit drawings for all disciplines under the direction of firm engineers.
- Coordinate with other disciplines and external contact (i.e. architects) for project specific information.
- Troubleshooting within AutoCAD and Revit as required to assist firm engineers.
- Continue developing knowledge regarding MEPFPIT engineering and CAD/BIM software.
- Train existing and new employees in the operation of CAD/BIM software and utilization of Elara drawing standards.



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Responsibilities (continued)

- Use Microsoft Office (Excel, Word, Powerpoint) for general office or project specific documentation.
- When not actively drafting new designs, responsibilities will include developing, organizing and standardizing engineering tools, resource libraries, etc.
- Additional responsibilities may include general support of the day-to-day operations of the office.

Benefits

- Medical, Dental and Vision insurance
- Long Term Disability Insurance
- Life insurance
- 401K Plan
- Paid vacation, personal/sick and volunteer time
- Paid holidays
- Mentorship Program and Volunteer Program
- Bonus based on personal and company performance

Note: Travel outside the Chicagoland area is rarely required.

