

CAD/BIM Designer

Job Description

Drafting of mechanical, electrical, plumbing, and fire protection 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. Reports daily to the CAD/BIM Operations Coordinator and receives specific work assignments and direction from firm engineers.

Qualifications

- 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 AEC industry and MEPFP drawing standards and symbols is a plus.
- Relevant degree/certification (i.e. BIM Management, Engineering Technology) is a plus.
- Candidate must live in the Chicagoland area or be willing to relocate.

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 in compliance with Elara Drawing Standards.
- Manage digital organization of drawing related documentation for projects assigned.
- Draft/model and assist in the design of MEPFP 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.
- Troubleshooting within AutoCAD and Revit as required to assist firm engineers.
- Continue developing knowledge of MEPFP engineering and CAD/BIM software.
- Train existing and new employees in the operation of CAD/BIM software and utilization of Elara Drawing Standards and Conventions.
- 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 Elara offices.



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Opportunities

- Work directly with firm engineers supporting a wide variety of markets including K-12, Higher Education, Pharmaceutical/Healthcare, Commercial, Developer, and Multifamily Residential.
- Ability to develop drafting/modeling and engineering knowledge of all relevant trades.
- Continual development of engineering knowledge facilitated by firm Principals, Project Engineers, and Engineers.
- Continual development of expertise related to AutoCAD and Revit facilitated by the CAD/BIM Operations Coordinator.
- Assist in creation and enforcement of Elara Drawing Standards and Conventions.
- Mentorship and quarterly goal-setting with CAD/BIM Operations Coordinator and other firm leaders to facilitate continual professional development and career growth.
- Ability to develop leadership skills through CAD/BIM Management on a project basis and gain expertise in training firm engineers on AutoCAD/Revit use and compliance with Elara Drawing Standards and Conventions.



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.