

CAD Manager / Envelope Specialist

QUALIFICATIONS

Function as a structural/plant layout designer, department lead and act as building envelope specialist. This involves working closely with engineers or in a small team designing large and medium sized projects or multiple small projects. Provide quality control and ensure completeness and accuracy of all drawings produced from the CAD department. Lead office wide standards and QA/QC standards development. Draft new or modifications to existing buildings and other structures for industrial manufacturing, processing, and storage facilities. Perform other duties related to project deliverables as directed by Managers or Executives. Candidate shall have at least 10 years of relevant experience with at least 5 years experience with Revit. Key elements of the duties include:

- Prepare plant layout, structural and mechanical drawings to produce finished drawings under the supervision of a licensed professional engineer.
- Evaluation of building leaks or structural issues, structural design, repairing, replacing or designing building cladding or roofing systems, thermal analysis and performing air and water leak testing on existing buildings and design of the building envelope in new construction projects.
- Make revisions to drawings as directed by professional engineer during the design and construction phase of the project
- Produce drawings in accordance with Facility Engineering Services' engineering and CAD standards and industry standards.
- Provide QA/QC over office drawing production including ensuring completeness and accuracy of documents.
- Work with management and professional engineers in the development of standards.

As a minimum, applicants must have an Associate's Degree in CAD design/drafting curriculum or similar technical program or equivalent. Key requirements of the candidate qualifications are:

- Extensive knowledge of Autodesk Revit and AutoCAD software.
- Knowledge of material handling and agricultural processing facility layout, meat processing, rendering, bulk storage and other similar facility types.
- Knowledge of structural drafting of all major materials of construction.
- Knowledgeable of structural steel detailing, concrete/rebar layout and detailing
- Knowledge of plant layout
- Aptitude for visualizing in 3-D
- Experience with industrial drawings
- Knowledgeable of building applications, construction methods and relevant building codes
- Functional knowledge of Excel, Word, or other office type software.

JOB DUTIES:

Requires interaction and coordination with other design disciplines to complete design tasks. Must occasionally travel to client sites for gathering information and measurements of existing facilities. Must be able to trouble-shoot computer software problems when they arise. The above description shall not be construed as a complete listing of all miscellaneous, incidental or similar duties which may be required from day to day.

Although the work is performed within an office environment, there are occasional site visits that require ladder, stair and scaffold climbing in manufacturing and/or process structures. Must be able to respond to both audible and visible plant alarms. Must be able to tolerate seasonal extremes in temperature or humidity on site visits. May occasionally require working near hazardous equipment and machinery and exposure to noise, dust, gas or fumes during site visits; must wear PPE, including fall protection harness at times and these items, along with routine safety training will be provided.

Our employees are valued and an integral part of our business. We offer a flexible, team-based environment, competitive wages and opportunities for advancement.

Job Type: Full-time

Pay: Competitive and commensurate with experience and education. Profit sharing and retirement plan after vesting period.

Application Questions

We have requested that Indeed ask candidates the following questions:

- How many years of Civil Engineering experience do you have?
- What is the highest level of education you have completed?
- Are you authorized to work in the following country: United States?
- How is your previous experience relevant to this role?
- When are you available for an interview or phone screen? Please list 2-3 dates and times or ranges of times.