

## **Civil-Structural Engineer**

### **QUALIFICATIONS:**

Candidate must have a **minimum of a BS degree in Civil Engineering and a minimum of 3 years experience, registration as a Professional Engineer is a plus. Candidate must have passed the Engineering Intern exam and have the ability to sit for the PE exam.** Preference will be given to candidates with engineering degrees from ABET accredited schools and candidates with advanced credentials. Minimum GPA of 3.0. Some background in construction or agricultural production facilities is helpful. Some travel will be required.

Candidate shall have knowledge of ACI, AISC, PCI, ASCE, NFPA, IBC and other applicable Codes and Standards essential to perform the job responsibilities. Candidate must have excellent written and oral communication skills and be able to lead and manage multiple, diverse projects. Knowledge of construction permit applications, soils, hydrology, SWPPP, utilities, and site grading plans are a strong plus. Knowledge of cold storage and low temperature buildings and bulk storage/material handling systems design is a strong plus.

### **JOB DUTIES:**

Candidate will design civil site plans for large and small scale industrial projects, participate or lead in the design of site layouts. Candidate will also work independently on smaller size structural and building system components of projects across a number of industries, including food processing, industrial and agricultural bulk storage, biofuels and agricultural processing. Candidate will develop and prepare construction documents and specifications for assigned projects and evaluate existing facilities for conformance to current building codes and requirements of their respective industries. Duties will include developing layouts and details of all aspects of the site and building system, coordinating with other staff and disciplines to ensure functional facility designs. Candidate shall direct EI and CAD staff in document preparation and specifications or prepare the drawings themselves. Candidate may be asked to perform as lead on certain projects.

Key elements of the position include, but are not limited to:

- Knowledge of Autodesk Revit, AutoCAD and Civil 3D software
- Knowledge of Excel, Word, or other office type software
- Knowledge of material handling and agricultural processing facility layout, meat processing, rendering, bulk storage and other similar facility types
- Knowledge of building envelopes and roofing systems, including cold storage
- Knowledge of structural design of concrete, steel, masonry, timber, cold formed steel, and tanks and silos for storage of granular/liquids
- Knowledge of NFPA and IBC standards related to Agri-Industrial facility design

- Knowledgeable of building applications, construction methods and relevant building codes
- Able to work independently

Requires interaction and coordination with other design disciplines to complete design tasks. Must be able to travel to client sites for gathering information, measurements or 3D scanning 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 team supporting duties which may be required.

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/benefits and opportunities for advancement.

Job Type: Full-time

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

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### **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.