

Overview

ESI, an employee-owned company, is seeking a talented **Civil/Structural Engineer, S.E.** to join our team in Kennesaw, Georgia. This position requires a Bachelor of Science in Civil Engineering (Structural Focus), an S.E. License, and a minimum of 5 years of experience in heavy industrial structural design.

Civil/Structural Engineer, S.E.

Responsibilities:

- Design steel buildings and equipment support frames and platforms, hangers and guides and concrete foundations and slabs for steam and power generation projects
- Maintain structural engineering design technical library with all applicable design standards, codes, etc. to ensure all designs meet current codes and practices
- Investigate and analyze applicability of new design methods, technologies, standards, etc. to ensure ESI designs remain current and competitive
- Assist in developing project design basis for structural design aspects
- Assist in estimating and providing man-hour budgets for structural engineering design for all new projects
- Assist in preparing the project preliminary drawing list to include the objective of each drawing and estimated engineering man-hours for each drawing at the beginning of every project
- Assist in coordinating structural engineering with other ESI disciplines for steam and power generation projects
- Review all project contract documents and design basis to ensure that all structural work will be within conformance of the contract documents and design basis
- Document all design calculations and pertinent discussions with clients, vendors, subcontractors, etc. by routing copies of all items to the main company files
- Assist in producing design drawings that are clear, concise and accurate
- Accomplish scheduled work on-time
- Assist in producing project structural bid packages scope of work documents and specifications
- Ensure that project structural bid drawings are completed in time to allow thorough checking prior to issuance to bidders
- Review project schedule on a weekly basis to ensure that deadlines are met
- Perform accurate material take-offs of project structural designs
- Review pertinent vendor drawings for errors and omissions and to ensure compliance with the contract documents and project design basis
- Review and formulate responses or solutions to all structural field questions
- Assist in the maintenance of structural engineering department standards and documentation manuals
- Review and update structural CAD Standards for accuracy and constructability
- Travel to the field as needed throughout the duration of the project

Requirements:

- Bachelor of Science in Civil Engineering (Structural Focus)
- A minimum of 5 years of experience in heavy industrial structural design
- S.E. License
- Experience designing concrete and structural steel support systems for heavy industrial projects
- Experience using AutoCAD software
- Experience performing structural analysis using STAADPro, Robot or other similar software package

Company



ESI Inc. of Tennessee is a design engineering and construction firm that specializes in steam and power generation facilities. We are the **Steam & Power SPECIAL FORCES[®]** providing clients with innovative, cost-effective, and environmentally-friendly solutions.

For additional information, please visit our website at www.esitenn.com.

ESI is an employee-owned company that offers competitive salaries, a complete benefits package, 401K matching, educational reimbursement, and works only a half-day on Fridays.