

Overview

ESI Inc. of Tennessee, an employee-owned company, is seeking a talented **Civil/Structural Engineer** to join our team in Kennesaw, Georgia. This position requires a Bachelor of Science in Civil Engineering and ten to twenty years of experience in the design and construction of steam and power generation plants. Please see below for the key responsibilities and requirements for the Civil/Structural Engineer.

Civil/Structural Engineer, P.E.

Responsibilities:

- Coordinate engineering for steam and power generation projects
- Design large structural platforms, hangars, supports, frames, guides and concrete slabs for steam and power plants
- 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 competitive
- Assist in estimating and providing man-hour budgets for structural engineering design for all new projects
- Assist in preparing a drawing list to include the objective of each drawing, estimated man-hours, etc., at initiation of each contract
- Review all project contract documents to ensure that all structural work will be within conformance of the contract documents and codes
- Document all design calculations and pertinent discussions with vendors and subcontractors by routing copies of all items to the main company files
- Produce drawings that are clear, concise, and accurate
- Accomplish scheduled work on-time
- Ensure that 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
- Review pertinent vendor drawings for errors and omissions and to ensure compliance with the contract documents
- Review and formulate response or solution to all field questions or problems with regard to the structural discipline
- Assist in the maintenance of structural engineering standards and documentation manuals
- Review and update 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
- Ten to twenty years of experience in the design and construction of steam and power generation plants
- P.E. License required, S.E. License a PLUS
- Experience designing concrete and structural steel support systems for heavy industrial projects
- Experience using AutoCAD software
- Experience performing structural analysis using STAADPro, STRUDL, or a similar software package would be a plus
- Specific experience working for an EPC firm involved in steam and power projects would be a PLUS

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.