

Description

We are looking for a Senior Structural Engineer with a minimum of 5 years of experience, who wants to work as a team player within our progressive firm. The ideal candidate will be a licensed structural engineer with outstanding experience in the design of steel, concrete and wood commercial and institutional buildings.

Responsibilities

We are looking for a Senior Structural Engineer with a minimum 5 years of experience, who wants to work as a team player within our progressive firm. The ideal candidate will be a licensed structural engineer with outstanding experience in the design of steel, concrete and wood commercial and institutional buildings. This position will be based out of Hoboken, NJ.

- You will work alongside our structural teams to generate the solar industry's best structural design, analysis, and calculation packages.
- Perform structural analysis, design, and detail on variety of large-scale commercial building projects.
- Collaborate with electrical engineers, developers, and contractors to provide high quality and well-organized set of structural packages.
- Manage a team of engineers, designers, and drafters to execute structural designs.
- Develop proposals, RFP responses and other marketing support activities.
- Manage profitability of projects and maintain a working relationship with clients.
- Perform on-site structural inspections and gather information on as-built conditions.
- Work cross functionally with other teams within and outside the engineering department to ensure clients' needs and internal deadlines are met.
- Other tasks as assigned.

Requirements

- Master's degree in Structural Engineering.
- 5+ years of relevant structural design experience.
- Willing and able to conduct site visits to gather information on existing structures up to 60% of the time.
- Active Professional Engineering license.
- Outstanding experience with various structural software packages for analysis and design such as RAM Connection, TEDDS, ETABS, SAP and SAFE.
- Proficiency with AutoCAD, Revit, or any other commercial CAD software.
- Solid background of solar PV system structural related analysis.
- Extensive knowledge in steel design, concrete design, aluminum design and cold formed steel framing system analysis and design, and different types of foundation design.
- Expertise in local building code requirements (IBC) and live loads (wind, snow, etc.).
- Geotechnical engineering knowledge and experienced in interpreting geotechnical reports, analysis of soil-structure interaction, soil corrosion, bearing capacity, swell/settlement, expansive soil, earth pressures, pavement section design, frost heave, slope stability, underpinning, and shoring design.

- A background in surveying and coordinate systems.
- Familiarity with, and eventual mastery of, solar racking manufacturer's designs and specifications.
- Analysis and design of buildings and multi-level parking garages.
- Excellent interpersonal skills with the ability to work in a dynamic fast pace environment.
- Valid driver's license.