



JT ENGINEERING

Building Solutions

Job Title: Structural Engineer (PE)

Summary :

Performs structural engineering duties in planning and designing of commercial and residential building structures

Duties and Responsibilities :

1. Inspect project sites and evaluate contractor work to detect design malfunctions and ensure conformance to design specifications and applicable codes.
2. Coordinate and direct projects, making detailed plans to accomplish goals and direct the integration of technical activities.
3. Prepare project status reports and works to ensure plans adhere to contract specifications.
4. Communicate directly with contractors and designers concerning project cost, staffing, and scheduling.
5. Provide technical advice regarding design, construction, or program modifications and structural repairs to other project members and contractors.
6. Develop construction documents that include structural framing plans, foundation and superstructure detailing, notes, specifications and typical construction details.
7. Develop gravity and lateral design loads using commercial and residential building codes (IBC 2015 & ASCE 7-10).
8. Design and detailing of building structures utilizing wood, steel, concrete and masonry construction materials.
9. Develop structural analysis model (2D & 3D) utilizing RAM Steel and Ram Elements analysis software.
10. Drafting of plans and details for building structures, based on preliminary concepts, sketches, engineering calculations.
11. Performs other engineering related duties

Skills :

Oral Communication Skills
Written Communication Skills
Technical Communication
Organizational Skills
Computer Literacy
Professionalism
Critical Thinking
Project Management
Advanced Knowledge of Building Construction
Computer-Aided-Drafting (CAD)
Computer Aided Analysis & Design Software

Education/Experience :

Bachelor's Degree in Civil Engineering
4+ years of structural engineering experience
Strong Knowledge of Statics, Mechanics of Materials and Structures Analysis
Must have strong proficiency in Microsoft Office and Autodesk AutoCAD software
Professional Engineer licensed REQUIRED

Computer Skills :

AutoCAD Proficient
Enercalc Engineering Software
RAM Steel Analysis Software
RAM Elements Finite Elements Modeling

Physical demands and work environment :

Office work environment
Must able to lift 10 pounds

Please send resumes to: careers@jt-pe.com