

G&W Engineering Corporation: *Structural Engineer*

G&W is seeking a qualified Structural Engineer to join our team and work alongside other professional and talented engineers, designers, and support staff. This individual is one who is able embrace our core values of Guidance - Initiative - Vision - Empowerment – Service (G.I.V.E.S.).

G&W Engineering Corporation was founded in 1992 as a full-service Mechanical, Electrical, Plumbing, and Fire Protection design firm. As G&W has evolved over the past 31 years, we have expanded our services to include Facilities Condition Assessments, Enclosure Consulting, Commissioning & Retro-Cx, Transportation, Municipal, Structural and Site Civil Engineering. In addition, G&W has developed an extensive project portfolio portraying our work in 47 states on a variety of project types. G&W has grown tremendously over the years, but the one thing that has not changed is the constant drive to provide quality documents and satisfied clients.

Responsibilities of this role include::

1. **Structural Analysis:** Conduct comprehensive structural analyses using engineering software and tools to assess the load-carrying capacity, stability, and safety of structures.
2. **Design Development:** Develop drawings, layouts, and detailed structural designs based on project specifications, considering materials, building codes, implementation procedures, and environmental factors. Optimize designs for efficiency and cost-effectiveness.
3. **Code Compliance:** Ensure that all structural designs comply with relevant building codes, regulations, and safety standards. Stay informed about code changes and updates affecting structural engineering.
4. **Collaboration:** Work closely with architects, contractors, and other engineering disciplines to integrate structural elements into overall project plans. Collaborate with multidisciplinary teams to address project requirements. Support both administrative and design engineering activities as assigned by supervisor.
5. **Problem Solving:** Conduct inspections to gather field data. Identify and address structural challenges that may arise during the design or construction phase. Propose effective solutions to ensure the structural integrity of the project.
6. **Documentation:** Prepare and maintain comprehensive project documentation, including calculations, design reports, drawings, specifications, budgets, and project schedule. Ensure accurate and organized documentation for future reference.
7. **Quality Assurance:** Conduct thorough reviews of structural designs to ensure accuracy and compliance with industry standards and standard of care engineering practices. Implement quality assurance processes to maintain high standards in structural engineering.

Qualifications of this role include a bachelor's degree in Civil (Structural) Engineering, P.E. Registration (preferred), with a minimum of 4 years of project experience in Structural Engineering.

Skills and Abilities of this individual include strong problem-solving skills in order to identify and resolve complex system issues, be detail-oriented, technically proficient, flexibility in handling changing project scopes and clear communication in both verbal and written forms.

Expectations of this role include active participation in industry related organizations for technical and professional development, proficiency in MS Office (Word – Excel - Outlook), RAM, RISA 3D, Ansys, STAAD, Enercalc, and Bluebeam. Preferences include a working knowledge of AutoCAD and Revit.

Compensation package for this individual includes competitive salary (commensurate with experience level), medical/health, dental, and vision insurance, Section 105 Reimbursements, Life and AD&D insurance, Short-term and Long-term disability insurance, Flexible Spending Accounts, 401k (with company matching), PTO, Paid Company Holidays, Paid Birthday Holiday, Longevity Bonus with sabbatical and more.