

## **Duties and Responsibilities for Senior Façade Structural Engineer**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skills and /or ability required. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

- Supervise and review structural calculations prepared by the Engineering Department for structural members in aluminum, steel and glass.
- Apply department and industry standards to oversee the preparation of calculations and project shop drawings.
- Review glazing system shop drawings for structural and Code compliance. Shop drawings to include building floor plans and elevations, glazing system floor plans and elevations, and glazing system installation details to supporting structures
- Glazing systems include sliding glass doors and windows, fixed windows, storefronts, swing doors, casements, curtainwall, railings, canopies, etc.
- Read and interpret architectural and structural drawings including floor plans, elevations, sections, dimensions, general notes, design criteria, etc.
- Read, interpret, and use adequately Product Approval Documents (NOA and One Time Approval or Florida State Product Approvals).
- Interact and collaborate effectively with internal and external team members to assure needs of the company are met.
- Communicate with administrative staff and clients to provide timelines and project updates on a consistent basis.
- Prioritize and manage multiple projects within project requirements, budgets, etc.
- Perform other related duties as assigned by management.

## **Qualifications for Glazing Structural Engineer**

- Over four (4) years of experience working with structural calculations (glazing specialty is a plus) in South Florida's High Velocity Hurricane Zone requirements including Product Approvals, impact resistance, etc.
- Attention to detail and ability to produce quality documents in compliance with company standards
- Dependable and able to work with minimal supervision
- Excellent written and verbal communication skills as well as interpersonal skills
- Demonstrated ability to plan and organize projects
- Proven ability to handle multiple projects and meet deadlines
- Good judgement with the ability to make timely and sound decisions
- Adaptability and problem-solving capacity
- A self-motivator and the ability to thrive on challenges and able to work with a high level of efficiency
- Working knowledge and understanding of the principles, theories, concepts, and practices in structural engineering
- Experience with structural engineering software

- Civil Engineering, Structural Engineering or Mechanical Engineering graduate preferred
- Preferred certifications: Engineer in Training (EIT) or Professional Engineer (PE)