

Sr. Structural Design Engineer

Job Description

About the Company and Position:

Starling Madison Lofquist Inc. is a structural and forensic engineering firm located in Phoenix, Arizona who have been providing structural engineering services to the southwest United States for nearly 40 years. They provide design and consulting services for projects including commercial, industrial, and residential construction, as well as structural failure investigation and analysis, and a long-term commitment to supporting a variety of sectors in the solar industry. The continued and growing success of Starling Madison Lofquist Inc. is the result of a commitment to providing quality engineering services that exceed the expectations of their clients. If you're passionate about creating a meaningful impact to an already thriving team, they want to speak to you!

They are seeking a Sr. Structural Design Engineer to design and engineer a variety of projects using masonry, wood, cold rolled steel, concrete, and other materials. Projects may include retrofits to existing buildings and structures in residential, commercial, and industrial applications. Projects often include applying the IBC and ASCE 7 to several commercial sectors; building enclosure (fenestration) systems analysis, architectural metals, but may also include retrofits to existing buildings and structures in residential, commercial, and industrial applications.

You Will:

- Design and engineer a variety of projects, including but not limited to residential remodel (masonry and concrete), pools, parking structures, and more.
- Provide structural damage assessments and repairs for concrete structures through field observations.
- Analyze structural data sets using Excel (Visual Basic), Risa 3D, and MathCAD.
- Support other project managers and engineers with their projects as needed.
- Present progress and status updates, integrating feedback from key stakeholders as needed.
- Communicate with clients, vendors, and other stakeholders to ensure that company quality of work is maintained.
- Seek opportunities to strengthen existing client relationships and develop new client relationships.
- Maintain and update all process-related documents, resources, procedures, and policies as needed.
- Learn and adhere to company policies and standards, using appropriate checklists to ensure quality and consistency.

You Are:

- Seeking to join a small and close-knit team dedicated to delivering high quality projects through collaboration, communication, and constant improvement.
- An assertive and driven professional who knows how to solve problems and move projects forward while overcoming obstacles.
- Someone who can manage their time to ensure your project is on time and on budget.
- A reliable communicator who proactively keeps the client (and other team consultants as needed) appropriately informed and updated of the project status.
- Write technical reports providing detailed and accurate information on completed projects.
- Consistently communicate and document your communication with clients to provide timelines and updates.
- Provide excellent customer service to company internal and external customers.
- Conduct special structural inspections including concrete, masonry, structural steel, and various special cases, such as drilled piers and post-installed anchors.
- Design and engineer a variety of projects, including but not limited to residential remodel (masonry, concrete, steel, aluminum, and wood), commercial/industrial structures, and solar structures.
- Support other project managers and engineers with their projects as needed.
- Present progress and status updates, integrating feedback from key stakeholders as needed.
- Communicate with clients, vendors, and other stakeholders to ensure that company quality of work is maintained.
- Seek opportunities to strengthen existing client relationships and develop new client relationships.
- Learn and adhere to company policies and standards, using appropriate checklists to ensure quality and consistency.

What You Bring to the Team:

- Bachelor's degree in Civil, Mechanical, Structural Engineering or related engineering discipline.
- PE License as an active Professional Engineer (P.E.) in the state of Arizona. SE License preferred.
- 10 – 20 years' experience in masonry, wood, concrete, and a variety of other design projects. Working knowledge of residential and/or commercial construction, building codes and structural design.
- Strong computer skills a plus including experience with AutoCAD, MathCAD, Excel (Visual Basic), and RISA.
- Experience working on multiple projects while prioritizing effectively, managing competing expectations, and meeting deadlines.
- Impeccable attention to detail and delivery of high-quality, error-free work in a fast-paced environment.
- Strong sense of ownership and accountability
- Excellent communication and interpersonal skills

- Effective working independently with minimal supervision, while interacting well with others.

Physical Requirements:

This role requires time spent outside the office gathering information from the field such as: photographs, measurements and performing condition assessments. Approximately 10% of the hours worked will be spent outside the office performing tasks in the greater Phoenix valley. Therefore, we believe the ideal candidate will be able to perform these physical tasks:

- Frequently required to stand on one's feet for prolonged periods of time.
- Frequently required to lift and/or move objects weighing up to 40 LBS.
- Frequently required to climb onto first and second story roofs, ascend/descend ladders, stairs, scaffolding, ramps, etc.
- Frequently required to balance, stoop, kneel, crouch or crawl.
- Frequently required to reach with arms and hands.
- Frequently required to use hands to finger, handle or feel.
- Frequently required to drive a vehicle for extended periods of time.

What The Company Brings to You:

- An opportunity to play a significant role in the community designing new and retrofitting existing structures.
- Growth, development, learning, and advancement opportunities.
- A flexible environment where your voice, thoughts, and ideas are valued and heard.
- Licensing and continuing education opportunities paid for by SML.
- Professional development and external training.
- Excellent benefits (company-paid and voluntary): Health / Dental / Vision / 401(k) with 3% No Matching Requirement / Paid Time Off / Paid Life Insurance, long-term and short-term disability!
- 8.5 paid holidays
- 15 days of PTO/Sick Leave, 20 days after 5 years and 25 days after 10 years

Target Compensation Range:

\$140,000 - \$180,000 base salary depending on experience.

About The Company:

Starling Madison Lofquist Inc. is a structural and forensic engineering firm located in Phoenix, Arizona. They have been providing structural engineering services to the southwest United States for nearly 40 years. As a widely diversified engineering firm of 9 licensed professional engineers (3 SE), 3 EIT's, and a very experienced design, drafting, and support staff they provide design and consulting services for projects including commercial, industrial, and residential construction and structural failure investigation and analysis. The continued and growing success of Starling Madison Lofquist Inc. is the result of a

commitment to providing quality engineering services that exceed the expectations of their clients.

They believe in and encourage their team to bring their authentic selves to work to strengthen the company as a whole. They're dedicated to creating an inclusive workplace - one that values and promotes diversity and fosters an empowered workforce—allowing all employees to succeed in their jobs.

They are committed to equal employment opportunity and value the unique contributions that you can bring in terms of your education, opinions, culture, ethnicity, race, sex, gender identity and expression, nation of origin, age, languages spoken, veteran's status, color, religion, disability, sexual orientation, and beliefs.

Want to hear more?

If you're interested in applying for the position, we would love to get in touch with you! Send us an email or give us a phone call so we can talk more about this opportunity!

Please contact us using the information below:

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