



Position Results Description

LGS Detailer

Industrialized Construction Solutions Inc. (ICS) is a pioneer and industry leader in the design, prefabrication, delivery and management of national building portfolios using advanced Industrialized Construction methods. We are currently seeking candidates for the position of LGS Detailer to carry out the development, design, engineering and delivery of high-performance component buildings.

Position Summary

This position is responsible for modeling and detailing of the structural systems utilized in ICS prefabricated construction activities to properly document for Construction Drawings and Production/Shop Drawings and manufacturing machine input files. Implementation challenges that the position entails will touch many areas of ICS's unique delivery model including but not limited to R&D, design, manufacturing, logistics, and ease and speed of installation. This is a pivotal position that will require innovative design & detailing skills and a keen sense of technical detail coupled with strong communication skills.

Job Responsibilities

- Model and draft structural LGS building components (including framed panels and trusses) as required to feed into FrameCAD, Arkitech, Howick, and other LGS manufacturing equipment.
- Generate structural component shop/production drawings and trade installation drawings for ICS prefabricated componentized buildings including structural LGS panel and truss systems leveraging FrameCAD, Arkitech, Howick, and other manufacturing systems.
- Work with in-house Structural Engineering and Architecture team to ensure all product, component, and system designs meet all project requirements including applicable building codes.
- Conduct quality control to ensure all product development and project deployment deliverables are upheld to ICS documentation standards.
- Assist with engineering studies and the preparation and presentation of reports to clients investigating alternative design approaches for maximum manufacturing and build efficiency.
- Work with cross-disciplinary design/AE, supply chain, logistics and construction teams to develop building systems and component designs encompassing best-in-class design for manufacturability and assembly (DFMA) techniques in support of cost effective and high quality structural component factory assembly and onsite installation.
- Effectively interact with cross-functional teams to identify opportunities to improve structural component field installation reliability and efficiency.



- Help develop and design, in conjunction with the A/E and Supply Chain teams and ICS's partner manufacturers, building systems and components around minimizing total cost to manufacture.
- Help develop and design, in conjunction with the A/E and Installation teams and ICS's partner installers, building systems and components around minimizing installation schedules and costs.
- Monitor, track, and support manufacturing activities.
- Continually monitor effectiveness of existing structural systems and components while helping to define requirements for new products.
- Work with the Product team in the production of Revit-based construction and production documents, details, and automated workflows.
- Work with cross-functional teams and software engineers to develop and implement efficient and automated workflows throughout the design to construction project phases.

Specific Skills and Experience Requirements

- Requires 4-6 years of modeling, detailing and documentation experience on prefabricated LGS structural building systems, with a preference for experience in Revit, FrameCAD, and/or MWF.
- Proficiency in manufacturing, logistics and erection processes related to offsite LGS construction.
- Technical Engineering degree and/or certification preferred but not required.
- Must possess strengths in verbal and written communications; ability to adapt communications/presentations and deliver clear and concise reports and analysis to senior management.
- Requires ability to meet deadlines and work in a fast-paced environment.
- Requires the ability to be self-motivated, work independently with minimal supervision, and manage a staff of offsite LGS Detailers on task-based work.
- Requires high degree of ethics and integrity.
- Requires occasional travel within the US.

Benefits and Compensation

- Salary is competitive and based upon relevant experience
- Substantially subsidized medical, dental, and vision insurance provided
- Paid holidays, PTO, and sick leave
- Subsidized continuing education and training
- Position will be based in our Bentonville AR office, however remote applicants near a major US airport will be considered
- US work visa sponsorship available

About ICS

Headquartered in Bentonville, AR, and with offices in San Francisco, CA, ICS has been revolutionizing the building industry since 2006 by applying technology and process to

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overcome the inefficiencies inherent to traditional construction. Originally formed as Project Frog and restructured to ICS in 2023, ICS is more than just a forward-thinking company. We are a team using each other's strengths and knowledge as resources to create bright, inspiring and efficient buildings and processes that are specifically designed to overcome labor and supply chain challenges plaguing the AEC industry. We are award-winning business professionals, researchers, architects, engineers, product designers and inventors as well as accomplished entrepreneurs and innovative builders who are looking for bright people to join our team. Our culture is collaborative, fun and results-focused while encouraging open exchanges of new ideas and innovation. For more information, visit www.ics-build.com.

Application Instructions

To apply for this position, please send us a cover letter and your resume to info@ics-build.com, with the job title, LGS Detailer, noted in the Subject field. Applicants must meet the above-mentioned qualifications. Due to the high volume of applications received, we are unable to comment on the status of an individual application. Your application will be reviewed and you will be contacted if you are chosen to move forward in our hiring process.