



Design Engineer

TURF is looking for full-time design engineer with a minimum of 1-3 years of industry experience in the field of architecture, product and/or industrial design. We are an architectural product company, focused on acoustic ceilings. The ideal candidate is flexible, technically-oriented and has a general understanding of manufacturing processes. They work with design and production teams in the of manufacturing of custom architectural solutions. They create spec drawings that reference client-supplied drawings and ultimately produce a production-ready design for CAM manufacturing.

This role includes architectural/product design and some project management skills.

Scope of Responsibilities:

- **Convert** shop drawings, specs, and working project geometry into production ready-cut files.
 - Responsible for nesting parts for jobs to ensure accuracy in shop
- **Control** the quality of productions and solutions moving through the shop
 - Execute quality control measures at several checkpoints
 - Review Shop Drawings for accuracy
 - Check nested cut files
 - Review initial ZUND cut results for large jobs
 - Review first parts as they become assembled
 - Review entire job quality prior to packaging
 - Inspect the packaging of job prior to it being sealed
- **Produce** paperwork
 - Produce pack-lists for each job
 - Produce digital copies of nested cut files
- **Work** closely with Production and Project Management to ensure project is executed per our agreed-upon contract with client.

Crucial for Success:

- Consistency of Method – we are documenting and updating our processes daily, striving for consistency
- Push back or revise anything from designers that is not properly organized – this is the only way to eliminate sloppy habits
- Sense of Urgency – quantity and quality are equally important.

- Getting jobs through the PE process as quickly as possible is critical to keeping our commitment to lead times and providing Production with consistent work.

Experience:

- Minimum 1-3 years in architecture with a directed concentration in Digital Fabrication.
- Comfortable in high tolerance CAD/CAM production via CNC as well as the production of relevant shop drawings.
- Experience with digital fabrication techniques as well as CNC and/or prototyping experience is a must.

Education: Degree in Architecture, Industrial Design or a related field. MA preferred, but not required.

Knowledge & Competencies: Ability to read and translate construction documents, ideation and form development, knowledge of materials and manufacturing process, hands-on experience in mock-ups, prototyping & mechanical aptitude.

Skills: High proficiency in Rhino 3D **required**. Experience with Grasshopper/Dynamo, Revit/AutoCad a plus.

This position is Mon – Fri, 8-5, located in the Elgin office. Reports to Dustin H. Salary commensurate with experience & skill level. Full benefits package including medical, dental/vision, 401(k).