



## RADIUS TRACK CORPORATION

For inquiries about current positions available please contact and send Resume / CV & Portfolio to:

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**Job Title: Design Technologist** (Design and Technology including 3D/BIM and design to fabrication)

### About Us:

Radius Track Corporation is the expert in curved light-gauge steel framing design and fabrication. We offer multiple solutions including prefabricated components, unitized solutions, hand-formable products and steel-bending tools. We have a passion for making attainable what may otherwise be unattainable. We do this by focusing on our niche of providing cost effective, constructible framing solutions that honor the design intent. We make challenging design ideas practical through a proven process which includes technologically advanced integrated design and fabrication processes and structurally engineered solutions.

We are a small, family-oriented company, where teamwork and collaboration are key to our success. We have a lot of fun while getting our work done and believe every employee is vital to the success of our company.

We are looking for someone who can share in our Company's Core Values, which are:

- Highly Skilled, Passionate Professional
- Elevate Others
- Collaboration & Creativity
- Do the Right Thing
- Customer Fanatic

### Job Description

**Summary:** Analyze architectural/engineering proposals and develop initial design, work plans, detailed drawings, and 3D models for conversion of design data to fabrication data for pre-curved cold-formed steel framing. Applications may include:

Curved, Compound, and Non-Curved (folded/faceted) Complex Interior and Exterior Surfaces Including:

- Walls
- Ceilings
- Soffits
- Canopies
- Roofs
- Trusses



Domes (interior & exterior)  
Headers  
Façades and Exterior Wall Systems

**Essential Duties and Responsibilities include the following. Other duties may be assigned.**

1. Analyze data, drawings and proposed project specifications to determine feasibility of project proposal.
2. Develop framing design, conferring with other company personnel when necessary to resolve problems.
3. Consult with customers to clarify project specifications and provide value engineering ideas.
4. Prepare 3D models, shop drawings and diagrams for use in conversion of design data to fabrication data during design development and fabrication / construction.
5. May be involved in directing or coordinating fabrication of building components.
6. Evaluate results for future applications.
7. May be involved in the development and advancement of automation of design and fabrication processes

**Core Competencies Required** (see below for additional core competencies)

Knowledge of Design AND Construction  
Advanced 3D Modeling/BIM (Rhino/Grasshopper strongly preferred)  
Advanced knowledge/understanding of complex geometry  
Detailing  
Hand Sketching  
Project Coordination  
Project Management (depends on experience)

**Competencies Recommended**

Computational Design  
Programming Languages / Coding and Scripting  
Structural and/or Mechanical Engineering  
Additional Software Packages (Autodesk Products, Catia, Digital Project, SolidWorks, Adobe, Microsoft, etc.)  
CFS Framing Design and Material Properties  
Design to Fabrication

**Additional Core Competency:** (see above for additional core competencies)

To perform the job successfully, an individual should demonstrate the following competencies:

- Analytical - Synthesize complex or diverse information; Use intuition and experience to complement data.
- Design - Generate creative solutions; Translate concepts and information into images; Use feedback to modify designs; Apply design principles; Demonstrate attention to detail.



- **Problem Solving** - Identify and resolve problems in a timely manner; Gather and analyze information skillfully; Develop alternative solutions.
- **Customer Service** - Respond promptly to customer needs; Solicit customer feedback to improve service; Respond to requests for service and assistance; Meet commitments.
- **Oral Communication** - Listen well and ask for clarification when needed; Respond well to questions.
- **Team Work** - Contribute to building a positive team spirit; Support everyone's efforts to succeed.
- **Quality Management** - Look for ways to improve and promote quality; Demonstrate accuracy and thoroughness.
- **Ethics** - Treat people with respect; Inspire the trust of others; Work with integrity; Uphold organizational values.
- **Adaptability** - Manage competing demands; Able to deal with frequent change, delays, or unexpected events.
- **Dependability** - Follow instructions, respond to management direction; Keep commitments; Commit to long hours of work when necessary to reach goals; Complete tasks on time or notifies appropriate person with an alternate plan.
- **Innovation** - Display original thinking and creativity; Meet challenges with resourcefulness; Generate suggestions for improving work; Develop innovative approaches and ideas; Present ideas and information in a manner that gets others' attention.
- **Planning/Organizing** - Prioritize and plan work activities; Use time efficiently.
- **Professionalism** - Approach others in a tactful manner; React well under pressure; Treat others with respect and consideration regardless of their status or position; Accept responsibility for own actions; Follow thru on commitments made.
- **Quality** - Demonstrate accuracy and thoroughness; Monitor own work to ensure quality.
- **Quantity** - Complete work in timely manner; Strive to increase productivity;

#### **Qualifications:**

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, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

#### **Education / Experience:**

Minimum of an Associate's Degree in Mechanical and/or Architectural Design; or three (3) to seven (7) years related experience and/or training; or equivalent combination of education and experience. College degree preferred.

Commercial design/construction background and cold-formed steel framing knowledge highly desired.

#### **Math Ability:**

Ability to comprehend and apply principles of algebra and geometry is essential.

#### **Reasoning Ability:**

Ability to visualize in 3 dimensions when analyzing problems and generating solutions is required.



Ability to interpret drawings, diagrams, charts, tables and other sources of information. Ability to deal with a variety of abstract variables.

**Computer Skills:**

Proficiency with 3D design software, (i.e. SolidWorks, Rhino, Catia, Digital Project, or Revit) is required. Proficiency with programming and coding / scripting is highly desired (i.e. Grasshopper and/or Dynamo, C#, Python, VB.Net, Java, Processing, etc.). An individual should also have knowledge of; Word Processing software (Word); Spreadsheet software (Excel); Graphics software (Adobe products – Photoshop/Illustrator/InDesign); PDF creation and editing software (Acrobat / Bluebeam).

**Additional Language Ability (beyond English):**

None required.

**Certificates and Licenses:**

None required.

**Supervisory Responsibility:**

This job may develop into supervisor responsibilities.