



Summary

Job Title
CAD Designer

Department
Fabrication

The **CAD Designer** position uses CAD systems to support the Fabrication Department by creating solid models, detail drawings, and assembly drawings from provided original engineering drawings. A new designer may make routine decisions, but will refer most questions/problems to the department leader until the necessary amount of experience is acquired. It is critical to have a solid understanding of drafting techniques and familiarity with engineering terminology and 3D surfacing. Mechanical aptitude and the ability to complete basic mathematical calculations, in addition to some familiarity with CAD/CAM equipment and the relationship of CAD to CAM, is preferred.

Reports To: VP of Fabrication

Key Responsibilities

RESULTS

Work Quality	20%
<ul style="list-style-type: none">· Works efficiently and independently with minimal supervision· Works at a reasonable pace and within defined quality standards to ensure timely completion· Produces high quality part and product designs and generates detailed engineering drawings, free of errors, to be shared with fabricators and/or vendors· Proactively identifies issues to minimize potential for scrap materials and rework of parts	
Throughput	20%
<ul style="list-style-type: none">· Completes all assigned tasks according to CAD team schedule of deliverables· Identifies the most efficient way to complete scheduled assignments and maintain a high level of productivity· Displays reliable attendance and schedules time-off with advance notice· Schedules adequate time for testing, team/customer feedback, and design fixes	
Job Knowledge	20%
<ul style="list-style-type: none">· Seeks out opportunities to build new skills and develop work quality· Seeks out and uses technical resources in the appropriate format· Able to modify parts and assemblies to rapidly adjust designs· Identifies appropriate materials and tolerances to manage or reduce manufacturing costs of parts and products	

Safety & Organization	15%
<ul style="list-style-type: none"> · Always correctly uses the proper personal protective equipment · Maintains safe work habits and performs required safety training according to company procedures · Aware of safety sensitive nature of our work and surroundings and actively contributes to avoiding potential hazards or dangerous situations for self and others · Maintains safe, clean, and orderly conditions in assigned work area · Organizes all supplies and equipment for easy accessibility to maximize efficiency 	
Systems Knowledge	15%
<ul style="list-style-type: none"> · Tracks time appropriately in Harvest and adds detailed descriptions · Proficiently uses systems to communicate project needs with other team members, maintain relevant compliance data, and monitor task completions · Navigates AirCorps' online and physical libraries to access part drawings, manuals, and other resources · Proactively notifies customers and team of any delays, changes in scope, or design issues 	
Continuous Improvement	10%
<ul style="list-style-type: none"> · Studies issues identified during fabrication and by customers to improve existing designs · Identifies and suggests ways for the company to improve the efficiency and quality of production · Effectively assists with implementing and supporting improvements and change efforts 	
Total	100%
CORE VALUES	
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Teamwork	20%
<ul style="list-style-type: none"> • Places the importance of the team's common goals above their individual achievement • Contributes to an environment of free flowing communication that helps us collaborate • Works well with others and supports the people on their team 	
Integrity	20%
<ul style="list-style-type: none"> • Does the right thing, even when no one is looking • Honors commitments and accepts responsibility for their actions • Demonstrates personal accountability to co-workers by fulfilling their role on the team 	
Excitement	20%
<ul style="list-style-type: none"> • Displays energy, passion, and enthusiasm for their work • Shows a strong desire to learn new things and improve their professional skill set • Seeks out and uses new technology or ideas to improve the effectiveness of their work 	
Stewardship	20%
<ul style="list-style-type: none"> • Embraces a responsibility to preserve history, honor veterans, and serve our community • Completes work in a responsive manner to ensure our customers receive reliable and dependable services • Focuses on customer-oriented actions that will build strong, long-term relationships 	
Quality	20%
<ul style="list-style-type: none"> • Does their part to maintain world class craftsmanship and service for our customers • Does not cut corners or take shortcuts; completes the job right the first time • Takes pride in their work and holds themselves to a very high standard of performance 	
Total	100%

Requirements

PROFESSIONAL RESPONSIBILITIES

- Work at a reasonable pace and within defined quality standards to ensure timely completion
- Adapt to changing tasks and project requirements on short notice
- Learn new skills and take on additional responsibilities as needed
- Complete and maintain all required paperwork, records, and documentation
- Consistently be at work and on time
- Contribute to building a positive team spirit
- Seek new ways to improve personal productivity and shop systems as company grows

REQUIREMENTS

- Job knowledge through suitable education or prior work experience
- Maintain clean and orderly conditions in assigned work area
- Follow and comply with all safety and work rules and regulations, including drug & alcohol testing policies
- Be able to read, write and speak English clearly
- Be able to read and understand dated two dimensional drawings
- Proficiency with modern CAD/CAM systems (Solidworks)

EXPERIENCE

Must have at least 5 years experience with Solidworks. Must be able to provide photos or drawings of past experiences and projects showing the skills that can be provided to AirCorps Aviation.