

## **ASPECT AUTOMATION Position Description**

**Position Title:** Senior Designer  
**Department:** Engineering  
**Reports To:** Mechanical Engineering Manager

### **Primary Objective**

Under moderate direction, design and develop custom equipment from concept through delivery. This is accomplished using basic engineering calculations and advanced CAD techniques that support complex designs and difficult schedules.

### **Major Areas of Accountability**

#### **1. Design**

Effectively design custom equipment by applying engineering skills and experience. This is accomplished by utilizing engineering calculations and tools, specification and purchase of major equipment, sizing and selection of motive components, material and finishing selections, and the application of manufacturing practices per REI standards.

#### **2. Leadership**

Motivates self and delegates appropriately to others while effectively communicating the tasks and details of the design.

### **Essential Qualifications**

- A related two-year post high school diploma/certificate and a minimum of five years of relevant design experience or a one-year drafting certificate and a minimum of seven years of relevant design experience, or in lieu of a diploma/certificate, and equivalent combination of education and relevant experience.
- CAD proficient
- Demonstrated effective interpersonal and communication skills
- Demonstrated ability to produce engineering documentation including multi-level bills of materials
- Ability to perform basic engineering calculations (i.e., static, stress and strain analysis, etc.)

### **The most qualified candidate will also possess the following:**

- Working knowledge of SolidWorks
- Knowledge of Geometric Dimensioning and Tolerancing
- Ability to travel, including air, occasionally overnight

## **ADA Requirements**

### Office II

- Typically sits, grasps items and performs keyboarding for frequent operation of a computer
- Stand, walk, bend, reach or otherwise move about occasionally
- Lift, move or otherwise transfer items up to 30 lbs. occasionally
- Occasional exposure to typical machine shop physical hazards
- Travel by air or car occasionally