



**Elevator Equipment Corporation**

*“Simplicity in Motion”*

**Job Title:** Elevator Design Engineer

**Job Location:** Los Angeles, CA

Design, develop, and test elevator systems and components for new and existing structures based on the company’s Group One System configurations. Review project proposals and plans for elevator system construction and consult with clients and management to confirm design specifications, project budgets and timelines, and compliance with building codes and regulations. Work with the Engineering Manager to develop elevator system designs and create layout drawings, sketches, and 3D models of hydraulic components using AutoCAD and SolidWorks. Perform static stress and flow analysis using SolidWorks and ANSYS and calculate stress tolerance for complex assemblies and sub-assemblies. Develop Bills of Materials for projects and work with manufacturers and suppliers to ensure designs are compatible with the fabrication process. Generate and implement engineering change orders (ECOs) to adjust designs according to manufacturing and material specifications. Oversee the installation of elevator systems and test components to ensure appropriate functionality. Simulate desired oil flow rates and modify mechanical valve controls to regulate flows within hydraulic components. Document calculations, design iterations, change orders, and production issues to inform future development and identify value-adding processes. Research, design, and develop new hydraulic elevator equipment and components and stay abreast of the latest technological advancements in the elevator design industry.

**Required Skills and Qualities:**

The position requires a Master’s degree in Mechanical Engineering and one year of experience in the job offered or a related position. The position requires skills and knowledge in AutoCAD, SolidWorks, ANSYS, Six Sigma and Lean Methodologies, ASME A17.1 Elevator and Escalator Safety Code, Hydraulic Systems, and Design for Manufacturability (DFM).

40 hours/week. Job Interview Site: Los Angeles, CA

Email Resume to: Elevator Equipment Corporation at: [MAbella@eecomail.com](mailto:MAbella@eecomail.com).