



## **COMPANY SUMMARY:**

Founded in 2008, REV's sole focus is electrical power, its generation, distribution, control, protection and safe utilization. REV is acknowledged throughout our industry as a leader in safety.

**COMPANY NAME:** REV Engineering Ltd.

**POSITION TITLE:** Mechanical Switchgear Designer

**DEPARTMENT:** Manufacturing

**REPORTS TO:** Electrical Engineering Manager

## **POSITION SUMMARY:**

The Mechanical Switchgear Designer is responsible for designing the electrical and structural requirements of products to meet customer and code requirements in a timely manner. The Mechanical Switchgear Designer is authorized to make decisions relating to the design and will have them approved by the Electrical Engineering Manager. The Mechanical Switchgear Designer possesses technical proficiency in the specification and design of electrical switchgear; prepares detailed design calculations and drawings with little supervision.

## **POSITION DUTIES / RESPONSIBILITIES:**

- Prepare detailed design drawings including:
  - General arrangement drawings for electrical Distributions
  - Detail parts and assemblies using SolidWorks
  - Create traveler packages and shop drawings
  - Prepare detailed bill of materials for projects
  - Create programs for production machines
- Create / modify drawings using SolidWorks and AutoCAD
- Estimate materials used and complete material charge sheets
- Responsible for guiding shop personnel with assembly of completed designs
- Responsible for preparing calculations for bus and enclosure design (bracing and conductor sizing) to ensure compliance with CSA C22.2-31 switchgear requirements
- Ensure all project documents are organized and kept as required within REV's document management system

- Collaborate directly with project managers, clients, electrical utilities and regulatory agencies (Electrical Safety Authority, municipalities, etc.) to ensure that designs comply with all customer and regulatory requirements
- Occasional site visits will be required to acquire information for design and installation of new equipment and retrofits
- Other duties and tasks as assigned by management to ensure REV's goals and objectives are met
- Performs all duties so as to meet the responsibilities listed in REV's Safety and Human Resources Policy Manual
- Performs duties according to REV's quality system procedures and work instructions

**POSITION QUALIFICATIONS:**

- A post-secondary degree or diploma in Electrical Engineering or Mechanical Engineering, or equivalent education/training from an accredited Canadian institution is required
- In depth knowledge of construction methods and installation details related to electrical equipment and with codes and standards: CSA, IEEE
- Minimum 5 years of relevant construction experience
- In depth knowledge of construction methods and installation details related to the Canadian Electrical Code (CSA C22.1)
- Experience with design of Industrial Control Panels (CSA C22.2 No. 14) is considered an asset
- Experience in the Mechanical and Electrical design of LV/MV switchgear is considered an asset
- Drafting/Design experience in industrial project environments (minimum 2 years)
- Good knowledge of SolidWorks (minimum 1 year)
- Knowledge of AutoCAD is considered an asset
- Previous steel design experience (preferred)
- Strong computer proficiency and knowledge with Microsoft Office
- Ability to work effectively under pressure, with changing priorities and deadlines
- Reliable collaborator with a professional and positive approach
- Well organized with a strong attention to detail
- Excellent written and verbal English communication skills
- Ability to communicate and interact with others in a positive and constructive manner while simultaneously building credibility and rapport in relationships
- Possesses strong interpersonal skills with the ability to work independently, as well as in a team environment

**LOCATION:** Calgary, AB

**START DATE:** As Soon As Possible

**WAGE / SALARY:** Competitive Wages & Comprehensive Benefit Package

**DURATION:** Full-Time

**ITEMS TO INCLUDE IN APPLICATION:** Resume / Cover Letter

**APPLICATION CLOSING DATE:** Position will remain open until suitable candidate is found.

If you feel that you are uniquely qualified for this position please submit your resume and cover letter for review to <https://www.fitzii.com/apply/63466>.

We thank all applicants for their interest in this position; however, only those who most closely match REV's requirements will be contacted.

All information submitted to REV will be reviewed and remains in strict confidence.

For more information on REV please visit our company website: [www.reveng.ca](http://www.reveng.ca)

This job description is intended as a summary of the primary responsibilities and qualifications for this position. The job description is not intended as inclusive of all duties an individual in this position might be asked to perform or of all qualifications that may be required either now or in the future.