Salek Malik, P.Eng.

Structural Engineer

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Education

UNIVERSITY OF CALGARY, AB **2020**

Schulich School of Engineering - Bachelor of Science, Civil Engineering

Experience

ROAR ENGINEERING **2022– PRESENT**
Structural Engineer

Assessment of property damage relating to fire, wind load, vehicle impact, and fallen tree impact.

Prepare engineering reports to document damages, identify the cause of damage, and propose repairs to the damaged property.

Assess and document damage to the buildings and infrastructure through detailed site visits.

Complete designs for repairs, renovations, and new construction of buildings using structural steel, reinforced concrete, and engineered wood.

ELEMENT FORENSIC ENGINEERING **2021**
Engineer-In-Training – Structural

Completing on-site assessments and restoration designs for damaged structural elements in residential buildings, including wooden beams, columns, floors, and roofs.

Routinely prepared Building Permit drawings for construction projects using Revit for multiple clients.

Collaborated with colleagues under the supervision of Professional Engineers to meet weekly project deadlines while providing a high-quality product.

Assisted in training of new EIT team members for site assessments and site sketching in addition to teaching Revit.

ADEM ENGINEERING INC. **2019**
Engineering Intern

Completed design and analysis of different structural elements for new construction projects, including steel stud walls and connections, steel columns and pile foundations.

Provided post-tension cable and roof anchor testing for residential and industrial buildings.

Supervised and managed various new construction projects with clients; developed professional communication and project management skills.

Worked in a small yet dynamic team completing structural and geotechnical design work while reporting directly to the owners of the firm.

CORE COMPETENCIES & TECHNICAL SKILLS

Proficient in completing structural member design and analysis for residential and industrial construction projects.

Great experience with independent on-site structural assessments.

Team player, with experience in project management and quality control.

Understanding and working knowledge of National and Provincial Building Codes.

Superior organization and project management skills, ability to be versatile and handle pressure.

Strong written and oral communication skills, excellent people skills – ability to interact professionally.

Software: AutoCAD, Revit, S-Frame, SAFI, and MS Office Suite.

PROFESSIONAL DEVELOPMENT & AFFILIATIONS

Professional Engineers Ontario - EIT Designation / Member

Workers Health and Safety Centre (WHSC) - Working at Heights / Member

Concrete Preservation Alliance | Bridge Preservation Seminar