



# **BLUTH** ENGINEERING

Providing Innovative and Forward-Thinking Solutions





## MISSION STATEMENT

BLUTH ENGINEERING UTILIZES OUR GROUP'S EXPERIENCE AND SYNERGY TO PROVIDE OUR CLIENTS WITH INNOVATIVE AND UNIQUE SOLUTIONS. WE STRIVE TO DELIVER EFFICIENT AND ECONOMIC DESIGNS.

## CORE VALUES

### CONSISTENCY

We take pride in continuously providing high quality work and maintaining healthy team relationships.

### EFFICIENCY

Our Company strives to deliver our services within the designated schedule.

### INTEGRITY

We are an honest and ethical company, keeping our commitments and treating others with respect and trust.

### SAFETY

Our belief is to maintain a healthy workplace and ensuring that we do our best to preserve the environment.

Throughout the past six years our team has had the opportunity to work and grow together as a cohesive unit. Over many projects we have developed a strong group dynamic, always proud of the work we put forward. We pride ourselves in completing projects on time while maintaining a strong focus on a detailed end product.

## SELECTED PROJECT EXPERIENCE

- Roncalli Elementary School Structural Design (DBA Consulting)
- Stoney Trail Steel Bridge Preliminary Design (AECOM)
- Shell MRM Debottlenecking Phase III (Fluor Canada)
- Mallard Cottage Preliminary Structural Design (DBA Consultants)
- Siemens 20t Crane Load Design (Tiller Engineering)
- 52<sup>nd</sup> Street Concrete Bridge Design (AECOM)
- Reclamation of Mildred Lake (North American Construction)

# OUR TEAM

## Robyn O'Donnell



709.727.6581

Robyn is currently completing her last academic term in the Civil Engineering program at Memorial University. Through her work term opportunities she was able to gain valuable experience in structural design and analysis. Through both work experience and extra curricular activities her strong leadership skills are evident along with her ability to quickly learn new concepts in an efficient manner.

### NOTABLE WORK EXPERIENCE

- Preliminary design of Roncalli Elementary School and the MIX Condominium Building located in St. John's, NL, as well as other structural members
- Preliminary design of Gibraltar Office Building including timber, concrete, and steel member design and analysis
- Structural analysis and modeling using software such as S-Frame, S-Steel, and STAAD as well as other structural suits
- Drafting and editing using AutoCAD.

## Vanessa Walsh



709.728.1690

Vanessa is a senior Civil Engineering student at Memorial University. Her work terms in Alberta have allowed her to gain diverse valuable experience in areas such as structural design, construction, and project management. In addition to her design experience, reviewing shop drawings and producing quantity take offs and cost estimates for various bridges were also major components of her work terms.

### NOTABLE WORK EXPERIENCE

- Preliminary and detailed design of steel and concrete bridges for the outer ring road located in Calgary, AB.
- Weekly Bridge inspections for multiple steel and concrete bridges in the Calgary region
- Field Engineer responsible for concrete inspections and contract administration in Banff National Park, AB.
- Structural analysis and modeling using software such as S-Frame, STAAD, and AutoCAD.

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# OUR TEAM

## Ryan Roberts



709.727.6581

During his time with the co-op civil engineering program at Memorial University, Ryan has worked in many fields of engineering such as structural design, municipal engineering, and the oil and gas industry. This experience has brought him to gain valuable knowledge in programs such as S-Frame, STAAD and AutoCAD Civil 3D. Ryan's strength lies in his ability to work with others and his excellent work ethic.

### NOTABLE WORK EXPERIENCE

- Performed structural analysis and design of structures and beams for multiple projects using STAAD and S-Frame.
- Drafting and design using AutoCAD Civil 3D and AutoTURN for the Crowfoot Crossing shopping center located in Calgary, AB.
- Worked with the FES for damage assessment of municipal property after hurricane Igor.
- Experience in construction offers knowledgeable background in

## Sarah Kean



709.769.6174

Throughout her career as a Civil Engineering student at Memorial University, Sarah has gained a broad range of work experience in structural, municipal, and management areas of the industry. She has a working knowledge of AutoCAD, SmartPlant Review, and RISA3D programs. From obtaining both office and site experience, one of her major strengths is communicating well with colleagues, contractors, and site tenants to complete a job or come to an agreement.

### NOTABLE WORK EXPERIENCE

- Completed structural analysis and design of steel structures using SmartPlant Review.
- Created and edited drawings of Civil/Municipal works using AutoCAD
- Responsible for tender packages, and generating both cost estimates and quantity calculations
- Acting site inspector on multiple civil work construction sites

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