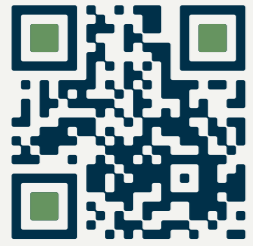




Engineering Consulting Services

Solutions With  
You in Mind

abenre.com



# Our Story

ABE&RE Canada was founded on a principle that should be standard in engineering but rarely is: that clients deserve a firm as invested in their success as they are. Established in Edmonton, Alberta, ABE&RE was created to fill a genuine gap in the market, offering seamless, end-to-end multidisciplinary engineering services under one roof, with a level of client care that carries through from the first conversation to the final deliverable.

The mission that guided our firm from day one continues to define it today. ABE&RE Canada exists to deliver exceptional engineering solutions that drive meaningful progress, uphold the highest standards of safety, quality, and sustainability, and create lasting value for every client and community we serve. This is not simply a technical undertaking. It requires listening carefully, understanding the full scope of what a project demands, and bringing the kind of seasoned expertise that transforms complex problems into efficient, well-considered solutions.

Whether the work involves a new development, a building under investigation, a structural assessment, or a large-scale restoration, ABE&RE Canada brings the same standard of rigour and commitment to every engagement.



## Our Locations

ABE&RE Canada operates from seven locations across Canada, Vancouver, Kelowna, Edmonton, Calgary, Winnipeg, Toronto, and Ottawa, giving our firm the geographic reach to serve clients in every major market across the country while maintaining the local knowledge and relationships that make a real difference on the ground. That national presence, built steadily and deliberately, reflects the confidence that clients, communities, and industry partners have placed in ABE&RE Canada since its founding.





# Why Us?

What distinguishes ABE&RE Canada in a competitive market is not only the breadth of our disciplines but the way those disciplines work together. Clients benefit from a single, coordinated team that understands how structural decisions affect envelope performance, how building science outcomes influence sustainability targets, and how all three disciplines must align to deliver a building that truly performs. That integration is what makes us a genuinely different kind of engineering firm.

Since its modest beginnings, our firm has grown into one of Canada's emerging multidisciplinary engineering practices, recognized by leading industry associations and staffed by licensed professionals whose credentials reflect the depth of knowledge they bring to every file. That growth has not changed our firm's character. The same client-focused dedication that defined us from the start remains the standard by which every project, in every office, is measured.

The work ABE&RE Canada does is grounded in a straightforward conviction: that buildings should perform, endure, and serve the people who depend on them, not just today, but for the generations that follow. Our projects are "Engineered For Generations". That conviction is what this firm was built on, and it is what drives the work we do from coast to coast every day.

## Our Commitment

At ABE&RE, fostering long-term relationships with our clients is at the heart of what we do. Your satisfaction is our top priority, and we aim to exceed your expectations on every project.

# High Value

In today's competitive real estate market, adaptability is everything. Whether you are a developer, builder, or investor, responding to shifts in buyer demands, construction costs, and market conditions is essential to staying ahead.

We deliver competitive pricing powered by the latest technology to help your properties thrive. By leveraging our engineering expertise, we provide smart solutions that optimize construction processes, reduce waste, and unlock significant cost savings.

Our streamlined approach accelerates timelines, reduces construction risk, and elevates build quality. We help you stand out by integrating sustainable practices and future-ready designs that today's buyers and tenants are actively seeking. The result is stronger property value, increased buyer satisfaction, and new development opportunities ready for the taking.



## Construction

By ensuring the right materials are used the right way and, just as importantly, avoiding the wrong ones or unnecessary ones, construction costs are reduced without compromising quality.

## Labour

We ensure proper construction the first time. Reducing contractor mistakes and decreasing the risk of costly corrections.

## Energy

Our projects incorporate energy-efficient designs and materials, reducing utility costs over the building's lifetime. By optimizing insulation, air barriers, and moisture management systems, you benefit from lower energy consumption and increased sustainability.

## Warranty

Having an Engineer on your project reduces the risk of construction issues. This proactive approach lowers warranty costs and allow you to negotiate insurance on your terms, as insurance companies recognize the reduced likelihood of defects.

## Lifespan

Ongoing maintenance designed to maximize economic lifespan. A scientifically engineered design and construction approach ensures buildings stand the test of time, delivering greater value and extending the building life for achieving a stronger return on investment.

# Building Science



Building Science sits at the heart of what we have always done. Our firm's building science team specializes in building envelope and roof engineering, a discipline that is fundamental to how a structure performs, endures, and retains its value over time. The building envelope governs how a building manages heat, moisture, and air movement. When it underperforms, the consequences compound quickly. Energy costs rise, occupant comfort suffers, and what begins as a manageable concern can develop into significant and costly liability. Our building science team understands this from the ground up, which is why their work spans the full lifecycle of a building, from design consultation and construction review through assessment, investigation, restoration, and long-term capital planning.



## Services

- › Building Envelope Design & Specification Review
- › Detailed Building Envelope Construction Site Review
- › Building Energy Modelling
- › Facade Engineering
- › Product Submittal Review
- › Consultation on Waterproofing Systems
- › Curtain Wall Design Peer Reviews and Inspection
- › Heritage Building Review
- › Roof Drawing Review
- › Roof Construction Review
- › Roof Condition Assessment
- › Roof Replacement & Restoration
- › Plaza Deck Waterproofing Replacement
- › Building Envelope Restoration
- › Curtain Wall Replacement
- › Window Replacement
- › Balcony Restoration & Waterproofing
- › Sealant Replacement
- › Traffic Deck Coating Review
- › Contract Administration Tendering
- › Insurance Claim Support
- › And More...

# Structural Engineering



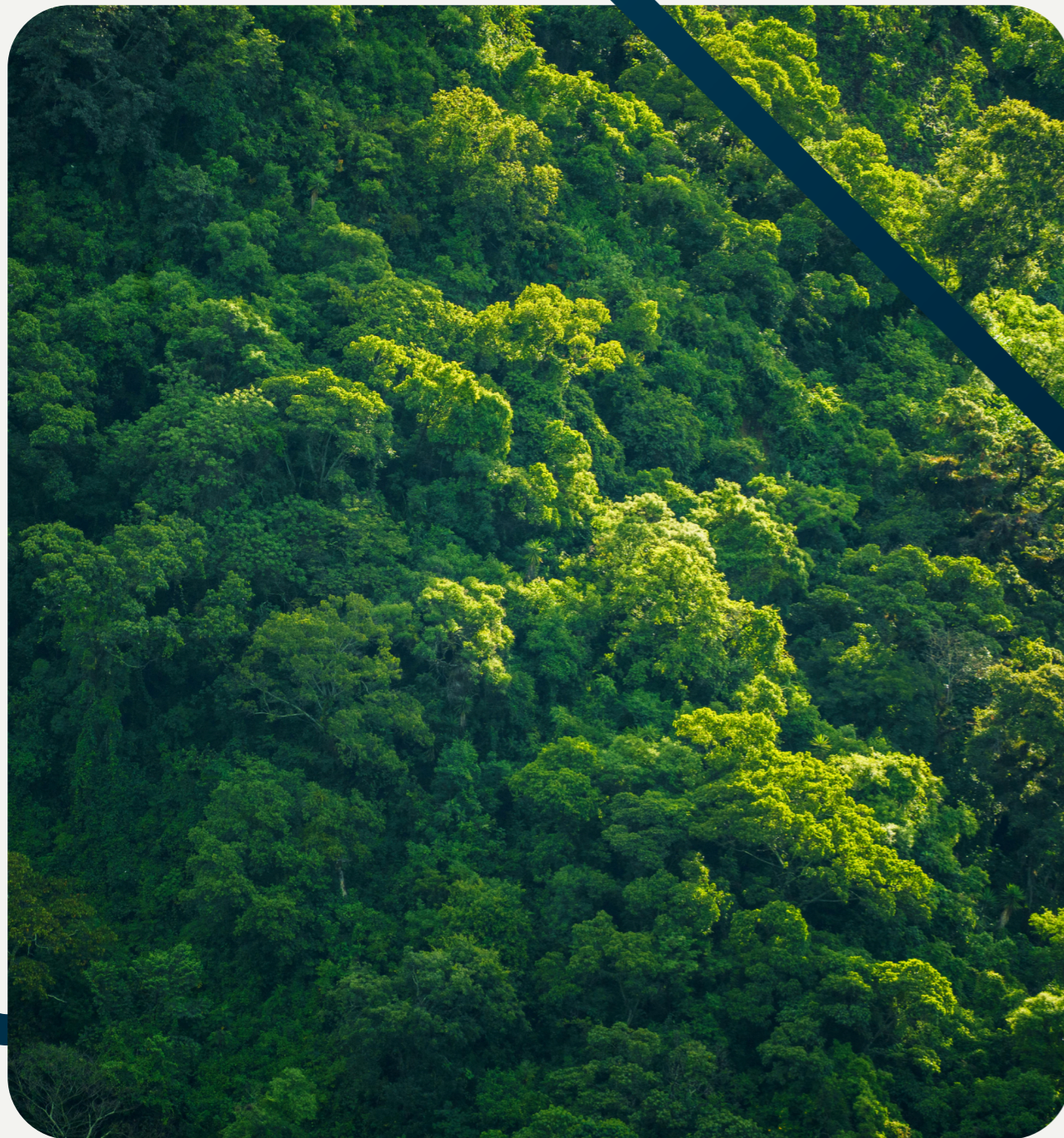
Structural Engineering brings a critical layer of technical depth to our multidisciplinary offering. The structural team provides precise, code-compliant design and analysis for residential, commercial, and industrial projects at every stage of development. We integrate creativity and practicality into every structural design to optimize results for our clients. From early-stage feasibility and concept design through to construction support and post-occupancy review, the structural team works closely with every client to ensure that each project is built on a foundation of sound engineering judgment. Their work encompasses new structure design, structural assessments, retrofit and repair solutions, and peer review services, delivered with the attention to detail and accountability that complex projects demand.



## Services

- › Drafting & Production in 2D (AutoCAD)
- › 3D Building Information Modeling (BIM, Revit)
- › Construction Administration
- › Structural Calculations & System Design (RISA 3D and ADAPT)
- › Cost Estimation
- › Inspection Services
- › Commissioning
- › Feasibility Studies
- › Renovation
- › New Construction
- › Site Inspections & Assessments
- › Forensic Structural Engineering
- › Load Capacity Analysis
- › Conceptual & Preliminary Design
- › Detailed Structural Design
- › Renovation & Remodeling
- › Construction Support Services
- › Post-Construction Assessments
- › Repair & Rehabilitation
- › As-Built Documentation
- › And More...

# Sustainability Engineering



Sustainability Engineering reflects ABE&RE's long-standing commitment to responsible practice and its vision for the future of the built environment. The sustainability team helps clients meet increasingly demanding energy codes, pursue green building certifications, and make informed decisions that protect the long-term performance and value of their assets. Through energy modeling, carbon reduction strategies, net-zero planning, and support for programs such as LEED and WELL, ABE&RE's sustainability engineers work to ensure that every project contributes to a more resilient and environmentally responsible built environment. This is not a service added for appearances. It is woven into how our firm thinks about engineering at every level.



## Services

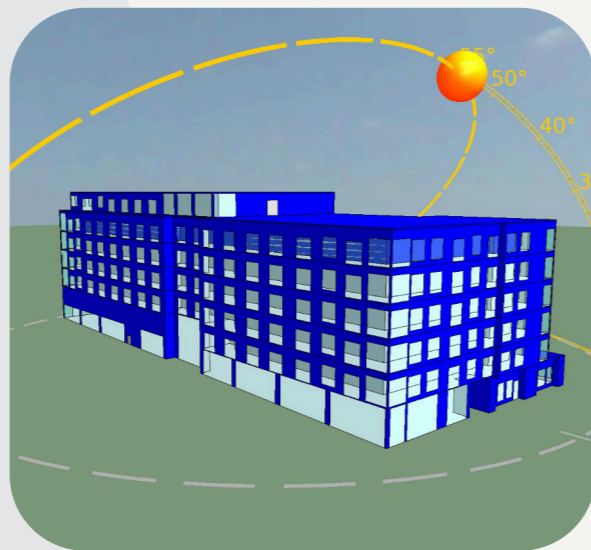
- › Integrated Energy Consulting (White-Glove Consulting)
- › Energy Modelling
- › Air-Tightness Testing
- › Lighting Simulations
- › Lighting Design
- › Solar Modelling
- › Energy Measurement & Verification
- › Energy & Water Audits
- › Commissioning, Retro-Commissioning, System Optimization
- › Building Control System Optimization
- › NECB & Energy Efficiency Target Consulting
- › Thermal Modelling
- › Energy Efficiency Business Plans & Planning
- › Energy Efficiency Designs (Privately Financed Energy Efficiency Projects)
- › Real Estate Portfolio Assessments & Strategic Planning
- › And More...



## Shaunessy Heights

Shaunessy Heights is a six-storey wood-frame mixed-use development located in the heart of Vancouver. ABE&RE Canada is to provide building science and sustainability engineering services throughout design & construction, conducting architectural drawing reviews, product submittal review, thermal bridge report & quality assurance site reviews to deliver a durable, well-detailed building envelope for this low-rise urban project.

Vancouver, BC



Edmonton, AB

West Windsor is a 172-unit, 140,758 sq ft residential development in Edmonton's Windsor neighbourhood, comprising a mix of four-, five-, & six-storey wood-frame buildings. ABE&RE Canada provided building science engineering services throughout design & construction, conducting architectural drawing reviews & quality assurance site reviews to ensure a consistent, well-detailed building envelope across all three building heights.

West Windsor





## Landra on Allard

Landra on Allard is a 286-unit, multiphase wood-frame residential development in southwest Edmonton, comprising a five-storey & four-storey building. ABE&RE Canada provided building science engineering services throughout construction, conducting architectural drawing reviews & quality assurance site reviews to advise on the delivery of a durable, consistently detailed building envelope across both structures of this growing southwest Edmonton community project.

Edmonton, AB



## Cochrane, AB

Greystone Apartments is a six-storey, twin wood-frame residential development over a shared underground parkade in Cochrane, Alberta. ABE&RE Canada is to provide building science & sustainability engineering services throughout design & construction, conducting design meetings, architectural drawing reviews, specification review, product submittal review, thermal bridging analysis, framing ratio calculations, tendering meetings, & quality assurance site reviews to deliver a durable, high-performing building envelope across both structures.

## Greystone Apartments

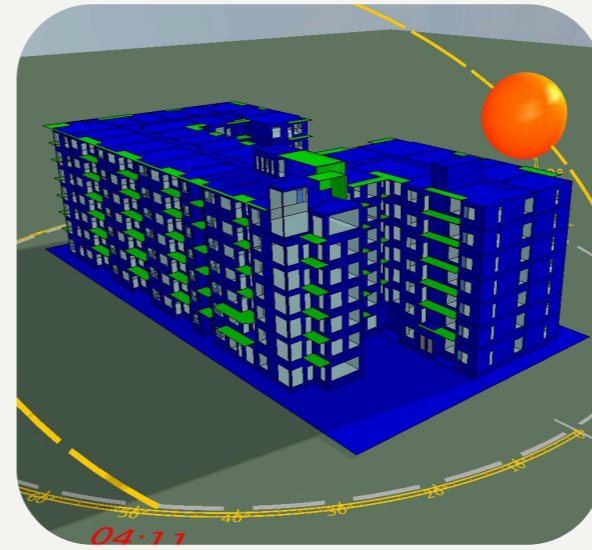




## Cyrville Residential

Cyrville Residential is a 288-unit, 255,000 sq ft six-storey wood-frame multifamily development nestled in one of Ottawa's most welcoming & established residential neighbourhoods. ABE&RE Canada is to provide building science engineering services throughout design & construction, conducting architectural drawing reviews & quality assurance site reviews to deliver a durable, consistently detailed building envelope across the full scope of this significant low-rise residential project.

Ottawa, ON



Edmonton, AB

Lilac Park is a 239-unit, seven-storey metal-frame mixed use development in downtown Edmonton, including 108 dedicated student housing units, situated steps from Norquest College & the O-day'min Park. ABE&RE Canada is to provide building science & sustainability engineering services throughout design & construction, conducting architectural drawing reviews, quality assurance site reviews, & energy modelling report to deliver a durable, high-performing building envelope for this vibrant urban community project.

Lilac Park





## Jen Col Building

Jen Col Building is a commercial office building of metal-frame construction in Acheson. ABE&RE Canada conducted a vehicle impact condition assessment, performing a detailed condition assessment of the damaged curtain wall system & providing repair & replacement recommendations to restore the building envelope to its original performance standard.

Acheson, AB



Calgary, AB

Bridgeland Apartments is a 140-unit, 149,000 sq ft six-storey wood-frame mixed-use development nestled in Calgary's established & walkable Bridgeland neighbourhood. ABE&RE Canada is to provide building science engineering services throughout design & construction, conducting architectural drawing reviews & quality assurance site reviews to deliver a durable, well-detailed building envelope for this urban infill project.



## Bridgeland Apartments

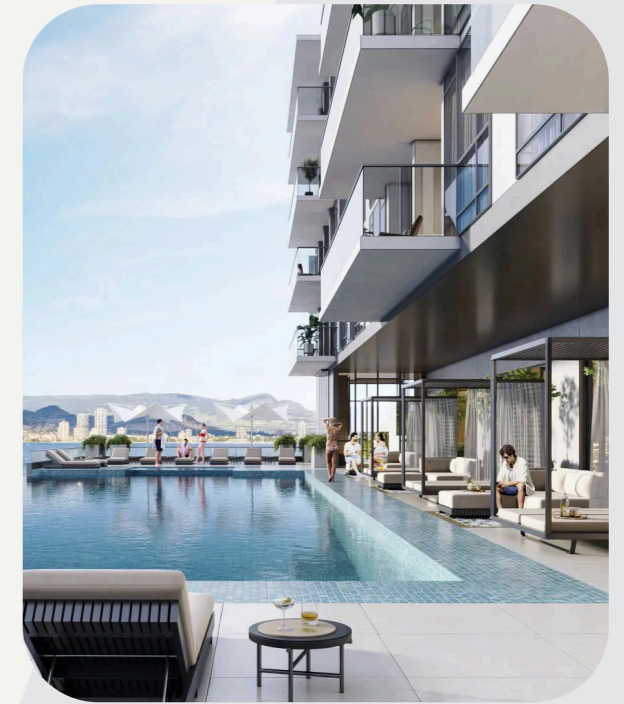
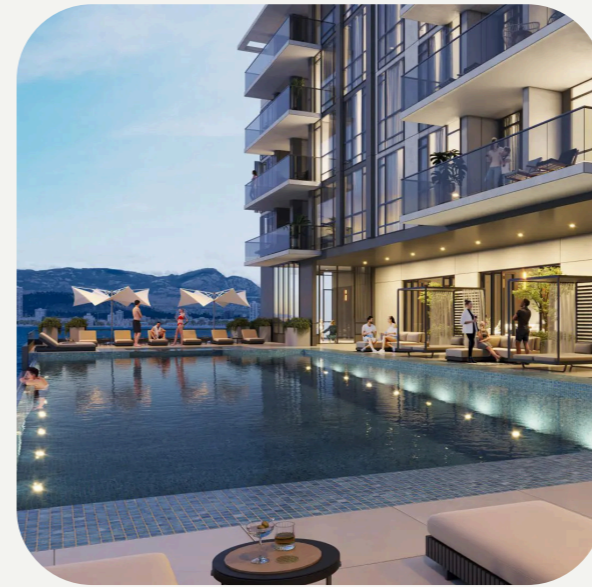




## Gill Manor

Gill Manor is a 272-unit, four-storey wood-frame residential development comprising three buildings over a shared underground parkade in Edmonton. ABE&RE Canada is to provide building science engineering services throughout construction, conducting product submittal reviews & quality assurance site reviews focused on the plaza deck to deliver a durable, well-detailed common space across all three structures of this multifamily development.

Edmonton, AB



## Kelwona, BC

Westrich Bay Tower is an eight-storey luxury condominium of concrete & steel construction situated on the lakeshore in West Kelowna, on Westbank First Nation lands. ABE&RE Canada is to provide building science engineering services throughout design & construction, conducting architectural drawing reviews, product submittals & quality assurance site reviews to deliver a durable, well-detailed building envelope befitting this landmark waterfront development.

## Westrich Bay Tower





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