



**BCA CONSULTANTS Inc.**

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# PROFILE



BCA Consultants Inc. (BCA) is a consulting engineering firm that specializes in building structures and building science. BCA serves real estate developers, builders, architects, property managers, institutions and private individuals on construction projects, building evaluations, and building expertise of virtually all sizes and configurations. Founded in 1985, BCA's head office is located in Montreal, with full-service offices in Toronto and Vancouver. Although the majority of BCA's projects are located across Canada, it has also consulted on projects in the U.S.A. and overseas.



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BCA is proud to have been involved in several LEED™ (*Leadership in Environmental and Energy Design*) certified buildings, and is expanding its expertise in the use of recycled materials and sustainable construction. BCA's proactive approach and drive for innovative solutions encourages them to challenge the status quo by working with new material technologies and techniques, such as the design of structures made with *Ultra High Performance Concrete*, along with the reinforcing of existing structures with the use of *carbon-fiber composites*.

BCA's belief in innovation was the motivation behind its creation of a dedicated BIM (Building Information Modeling) Department. This has enabled BCA to offer its services with Revit® and other BIM based software. This sophisticated software environment provides superior project coordination, and also presents the opportunity of being part of an entirely new and exciting collaborative working environment.

*BCA believes that it is crucial for its prospective clients to engage those consultants that best understand the project objectives, and that have the expertise as well as the experience to achieve them. With a reputation for value engineering and strategic thinking, BCA's success is based on a team-oriented approach, and the willingness to commit all its resources to successfully attain all project objectives.*



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# SERVICES

## Full structural engineering services for new construction and renovations including:

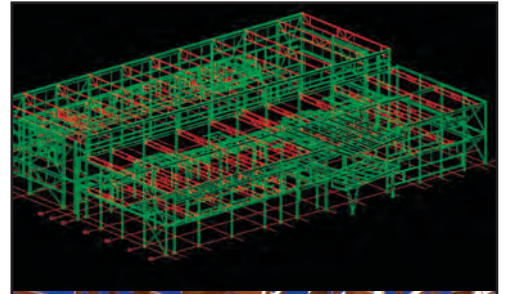
- o Advisory and pre-construction
- o Structural design as per relevant codes and standards
- o Preparation and coordination of drawings (Revit® or AutoCAD®) for permit, tender, and construction
- o Shop drawing review
- o Jobsite visits with detailed field review reports
- o Payment review and recommendations
- o Certificates for substantial completion and conformity of work

## Concrete Rehabilitation

- o Safety assessments
- o Non-destructive and destructive testing
- o Preparation of scope of work including drawings and specifications
- o Tender evaluations
- o Full services during construction including detailed field review reports
- o Certificates for substantial completion and conformity of work

## Building Science Expertise

- o Façade assessments and evaluations
- o Balcony safety assessments and evaluations
- o Parking garage assessments and evaluations
- o Detailed evaluations and testing programs
- o Preparation of tender documentation and tender evaluation
- o Full services during construction including detailed field review reports
- o Certificates for substantial completion and conformity of work



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