



# Building Engineering Services

Our building services division includes professionals with demonstrated experience in assessment and inspection of structural systems, building envelope, life safety, roofing, environmental, geotechnical, pavement, site development, surveys, and building materials along with a full service material testing laboratory. The team is proud to include Boston Pizza, Sobeys, CB Richard Ellis, Walmart, City of Thunder Bay, Target, Canadian Pacific Rail, Vale Inc., Marriot Hotels, Thunder Bay Telephone, Hampton Inn, City of Toronto, and the Ministry of Natural Resources as clients that we have served in the above stated capacities.

## EXPERTISE



### STRUCTURAL ENGINEERING

- Commercial, Institutional, Industrial Buildings
- Concrete, Steel, Wood, Masonry, Precast Structures
- Static and Dynamic Structural Analysis
- Structural Design for New Buildings and Renovations to Existing Buildings
- Building Permit and Construction Drawings
- Shallow and Deep Foundations
- Construction Specifications

### FEASIBILITY STUDIES & REPORTS

- Construction Cost Estimates
- Value Engineering
- Geotechnical Investigation
- Structural Inspection
- Field Review Reports
- Scope and Feasibility Assessment
- Constructability Study

### ENVIRONMENTAL & CIVIL ENGINEERING

- Storm water Management Reports
- Site Servicing and Grading Plans
- Site Drainage Review and Design
- Functional Servicing Reports
- Pavement Design
- Construction Material Testing & Inspection
- Pile Driving Inspection
- Land Development Studies
- Subdivision & Zoning
- Sanitary and Storm Sewer Investigation
- Topographic Surveys
- GIS
- Environmental Planning & Impact Study
- Site Assessment and Remediation
- Transportation Design
- Traffic Studies
- Capital Asset Integrity Audits
- Asset Management Plans

### BUILDING ASSESSMENT & AUDITS

- Condition Assessment and Pre-Renovation Audits
- Code Compliance Review
- Building Materials Testing and Research
- Structural Failure Investigation
- Forensic Audits and Claim Validation
- Environmental and Hazard Assessments
- Energy Efficiency and Consumption Audits
- Building Code Consultation
- Building Envelope Evaluation
- Foundation Audits and Soil Reports

### CONTRACT ADMIN

- Planning and Scheduling
- Construction Supervision
- Quality Assurance and Product Control
- Shop Drawing Reviews and Multiple Trade Coordination
- Risk Analysis, Assessment and Management
- Construction and Certification Reviews
- Bid Reviews and Negotiation
- Budget Control and Quantity Tracking

*From Testing Through to Consultation,  
We Are Your "Down to Earth" Consultants*

[www.tbte.ca](http://www.tbte.ca)