

M. Ishaque Noory, P. Eng

Structural Engineer

Memberships:

Registered Professional Engineer, P. Eng.

Association of Professional Engineers of New Brunswick (APEGNB), Association of Professional Engineers of Ontario (PEO)

Education:

Bachelor of Science in Civil Engineering, University of New Brunswick, 2004 with Co-op Program.

PhD Researcher and teaching assistant with University of New Brunswick Hybrid Construction Group, 2006-to 2011

Experience:

Noory Engineering Inc.,
Structural Engineer/Principal
Fredericton, NB, 2012-Present

EXP. (ADI), Structural Engineer
Fredericton, NB, 2008-2012

Brun-way Group, Bridge Design
Engineer, Fredericton, NB, 2005-
2008

Department of Transportation-
Design Branch, Fredericton, NB,
2003-2004

Awards:

APEGNB Advance Studies
Scholarship – Doctorate, 2009

Graduate Merit Award, 2011

UNB/NSERC Award 2006-08

Deans List, 2003-2005; First
Division Standing; 7 UNB
scholarships.

Profile:

Ishaque Noory, is a structural engineer working on a wide variety of structural design projects as a Professional Engineer. He established his own firm Noory Engineering Inc. providing structural engineering services. His recent 2015-2016 project highlights include ten storey building located in downtown Fredericton by the waterfront. His previous employers include the Structures Group of the Public Works Division of ADI Limited, currently known as Exp. His responsibilities include structural and foundation design of industrial, commercial, residential buildings and bridge structures and site construction observation. He has experience in structures constructed from structural steel framing, concrete, masonry and timber.

His Brun-way background has given him extensive experience in highway/bridge design and construction, PPP Project management and working with contractors and designers. He is respected and active within the academic circles of University of New Brunswick leading the Hybrid Construction Research Group. He is a recipient of various scholarships and research awards and published several papers. He is fluent in English, Arabic and Persian (Dari) and French (Beginner).

Ishaque was a member of 'The Cultural Centre' Board of Directors 2015, 2016 and Chaired the Building Committee division. His responsibilities include structural renovations of building to accommodate different occupancies and, building structural maintenance. He was also a member (co-owner) of 'Design Right Canada' Board of Directors. His roles and responsibilities included structural engineering services in developing a patentable product for modular construction of mid-rise buildings in Canada.

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Academic Posts:

UNB Teaching Assistant and Load-Path Project Researcher, 2006-2011

Publications:

'System behavior in light frame buildings' at CWC/Forintek, Montreal, Quebec, Canada – Code committee meeting, 2006

'Static load test of a low-rise wood building' and 'Shear wall test' 10th World Conference in Timber Engineering, Miyazaki, Japan, 2008

'Static load test of a low-rise wood building' and 'Shear wall test' CSCE Annual Conference, Quebec, Canada, 2008

Research Team hosted CIB-W18 and submitted code related papers – International Council for research and innovation in building and construction, Timber Structures, held in Saint Andrews, Canada, 2009

'Load-path of low-rise wood light frame buildings' CSCE Annual Conference, St. John's, Newfoundland, Canada, 2009.

'Tests and numerical models for shear walls with various layers' 11th World Conference in Timber Engineering, Trento, 2010.

Others:

Teaching Martial Arts:
3rd Dan Black Belt – Taekwondo
2nd Dan Black Belt – Hapkido

Ishaque's project portfolio includes:

Institutional/Nursing Homes/Schools & Colleges

Doaktown School, New Brandon, NB
Nashwaaksis Memorial School, Fredericton, NB
Moncton High School, Moncton, NB
Lincoln Elementary Community School, Lincoln, NB
Community Colleges: Fredericton, NB and in Edmundston, NB
Nursing Homes: Nashwaaksis, NB, Grandmaan, NB

Bridges/Transportation

Clair Fort Kent International Bridge, Fort Kent, NB
Blackville River Bridge steel superstructure, Miramichi, NB
One-Mile House Bridge/Overpass, Saint John, NB
Welsford Falls By-pass, Welsford, NB
4 Separate Sign Support Truss Structures, Saint John, NB

Power/Industrial

Point Lepreau Nuclear Power Plant Refurbishment, NB
CNRL Barriers, Ft. McMurray, AB
Tuft Cove Generating Station – Wharf: Halifax, NS
Rambler Metals and Mining Ltd., Baie Verte, NF
AV Naakawic drum debarker and log deck, NB
Copper Concentrate Industrial Building, Saint Leonard, NF
68% Solids Black Liquor Storage, Petro Storage Tank Foundation, Baie Verte, NF

Commercial

Fredericton West End Development – Ten storey Tower, Fredericton, NB
FEED Bldg. – Seven storey Office Tower, Fredericton, NB
1748 Woodstock Road – 5 storey structure, Fredericton, NB
345 and 343 Argyle Street – Two, 5 storey structure, Fredericton, NB
323 and 325 Connaught Street – Two, 5 storey structure, Fredericton, NB
YMCA and North End Community Center, Fredericton, NB
The Courtyard, 110 Woodside Lane and 252 Brunswick Street, Fredericton, NB
110 Woodside Lane, Fredericton, NB
The Cultural Centre, Fredericton, NB
Yurt Structures, Fredericton, NB

Municipal Wastewater

Several Wet Well Pump Stations, Cranston and Fredericton, NB
GTI Kamloops gas collection cover project
Anaerobic wastewater treatment system for Calsa, Tacuman, Argentina

Project Management/Contract Admin. (Public-Private Partnership PPP)

Brunway Group, Fredericton, NB (\$500M)

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Contact Information:
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Representative Project Profile

The following recent projects highlight Ishaque's role as being solely undertaking structural design, foundation design, project management, co-ordination and CAD drawings from conceptual stage of project to its completion. Projects involved architectural services, engineering package preparation, building code compliance, co-ordination with Architect, Developer and Contractors and site inspections.

- **The Cultural Centre**, school structure, Fredericton, NB, \$2 M (2017, 2018). Major structural renovations of the old school for various occupancies. Design-Build 8 squash courts to classrooms via designing/building steel floor assembly; Design/build steel floor assembly over pool for additional classrooms and commercial Kitchen.
- **65 Greenfield Street**, five (5) storey structure, Fredericton, NB, \$6 M (2018). Structure type: Concrete garage floor, 4 storeys timber construction.
- **215 Main Street**, Two storey (2) storey structure, Fredericton, NB, \$5 M (2017). Structure type: commercial floor, 16 apartments upper floor.
- **Fredericton West End Development** – Mill Site Complex, Fredericton, NB, \$20 M (2015): Structure type: 10 storey concrete structure.
- **345 and 343 Argyle Street**, Two (2), five (5) storey structures, Fredericton, NB, \$6 M each (2015-2016). Structure type: Concrete underground parking with first floor on metal deck supported on steel beams. Rest is timber construction.
- **323 Connaught Street**, Three (3) storey structure, Fredericton, NB, \$6 M (2016). Structure type: Concrete Garage and 2 storey on top of timber construction.
- **252 Brunswick Street**, 4 storey structure, Fredericton, NB, \$5 M (2014). Structure type: Timber construction.
- **1748 Woodstock Road**, 3 storey structure, Fredericton, NB, \$5 M (2014). Structure type: Timber construction.
- **The Courtyard**, 3 storey structure, Fredericton, NB, \$5 M (2014). Structure type: Concrete basement, rest of building timber construction.
- **Naashwaaksis Memorial School Renovation**, Fredericton, NB, \$1 M (2014). Structural Design for installation of two elevators in building. This included reinforcing floor system to allow for elevator shaft. Structure type: Steel framing with metal deck supported on steel beams floor system.
- **UNB Central Heating Plant** (2014): Enlarging of overhead door. Involved structural design of girts and their relocation.
- **110 Woodside Lane**, 3 storeys Commercial structure, Fredericton, NB, \$5 M (2013). Structure type: Concrete basement, LVL beams and columns, rest of structure is timber construction. One side of structure retaining 13' of fill, retaining wall, design was innovative using tire fill.
- **Doaktown School** (2013). Interior renovation of steel structure. Provided structural services to accommodate various occupancies in structure.
- **Tuft Cove Generating Station** (2013) – Wharf: Halifax, NS: Structural Design and Inspection of formworks for concrete (including underwater).
- **CNRL Barriers**, Ft. McMurray, Alberta (2013) – Structural Design of several steel blast protection barriers.

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The following projects are completed via a team of several engineers. Ishaque role and responsibilities in each project is as listed. Projects represent those worked with ADI/EXP

- **Moncton High School**, Moncton, NB, \$40 M (2012): Foundation and Structural Design of Multi-blocks structure, one storey, two and three storey. Structure type: Steel framing with steel braces.
- **New Brunswick Community College Fredericton Campus**, Fredericton, NB, \$10 M (2009): Structural analysis (under wind loading) and foundation design. Structural steel design for two storey steel buildings in accordance with the 2005 National Building Code of Canada.
- **New Facility, New Brunswick Community College**, Edmundston, NB, \$25 M (2009): Structural design and analysis (under wind loading), design and detailing of base plates and anchor rods design in accordance with the 2005 National Building Code of Canada.
- **Clair Fort Kent International Bridge**, Fort Kent, NB, \$11 M (2010): Design of South and North Abutments.
- **One- Mile house Bridge/Overpass**, Saint John, NB (2010): Design of Pier cofferdam support structures.
- **Town of St-Leonard**, St-Leonard, NB, (2010): Design of mat foundation, masonry walls, and ceiling diaphragm of water filtration plant building.
- **Welsford Falls Bypass**, Welsford, NB (2010): Design of reinforced concrete arch and its footings located below 20 m of fill.
- **Rambler Metals and Mining Ltd.**, Baie Verte, NF (2010): Design of building and equipment foundation and of steel structure.
- **Point Lepreau Nuclear Generating Station**, Point Lepreau, NB (2009): Main Steam Piping WEAR Restraint Project. Analyzed existing Turbine Building structural steel framing to verify strength and stiffness requirements for new pipe restraints and designed new support steel.
- **Fredericton East End Development Office Tower**, Fredericton, NB, \$69 M (2008-2009): Seismic design, detailing, review of design note for a seven storey concrete building in accordance with the 2005 National Building Code of Canada.
- **Cranston Station Wet well** (2009): Concrete Wet well design
- **Blackville River Bridge steel superstructure rehabilitation**, Miramichi, NB, (2008): Design check of Steel Superstructure deck rehabilitation.
- **Boiestown - Doaktown Community School**, New Bandon, NB, \$12.5 M (2008): Foundation and Structural Design: Steel frame with masonry shear wall infill structure.