

LLOYD G. SHORT, P. ENG.
Structural Design Inc. – President
Suite 306, Terrace On The Square
P.O. Box 23098, 10 Rowan Street
St. John’s, NL A1B 4J9



EDUCATION:

- Pre-Engineering Diploma (1971) Memorial University of Newfoundland
- Bachelor of Civil Engineering (1974) Nova Scotia Technical College

PROFESSIONAL MEMBERSHIP:

- Professional Engineers and Geoscientists of Newfoundland and Labrador
- Association of Professional Engineers of Nova Scotia
- Association of Professional Engineers and Geoscientists of New Brunswick
- American Concrete Institute
- Board Member, Civil Advisory Committee, Cabot Institute
- Past Board Member, Consulting Engineers of Newfoundland & Labrador

EXPERIENCE:

- 1999-Present: President – Structural Design Incorporated**
St. John’s, NL
- 1982 - 1999: Vice-President - Structural Consultants Limited**
St. John’s, NL
- 1979 - 1982: Partner - Sheppard/Burt/Pratt/Short Ltd.**
St. John’s, NL
- 1977 - 1979: Design Engineer, Shawmont Engineering**
St. John’s, NL
- 1975 - 1977: Structural Engineer, George Brandy’s & Associates**
Halifax, NS
- 1974 - 1975: Design Engineer, Provincial Department of Public Works**
Halifax, NS

TYPICAL PROJECTS:

Offshore Projects:

- Structural Investigation T06 Terra Nova.
- Engineering Manager for Module T06 Remedial Program, Terra Nova Project.
- Material Handling Procedures for Terra Nova Project.
- Lift Study, Far East Project for Terra Nova.
- Flare tower investigation for Terra Nova project.
- Vinland support platform installation frames for Hibernia project.
- Engineered and co-coordinated fabrication/certification activities for various lifting frames including HP Motor, Electric Chlorinator, Flare Tips.
- Review Trim & Stability book for completeness with respect to structural compliance.
- Tote Tank replacement program.

Industrial Projects:

- **Various large Industrial Buildings**
 - Voisey's Bay Project
 - Designed and detailed 5000t Structural Steel at Voisey's Bay Project
- **Various in-plant projects, Iron Ore Company Canada, NL**
 - Conveyors, platforms, tanks, crane bridges.
 - Reinforced and upgraded garage building to increase crane capacity from 30t to 70t. Reinforced girder system.
 - Designed temporary bridge system for 100t. lift.
- **Cowhead Building F, 3700m² fabrication facility, 26m High with 2-50 tonne overhead cranes.**
- **Various in-plant projects, North Atlantic Refining Limited, Come By Chance, NL**
 - Foundations for hydrogen refractor.
 - Platforms.
 - Substation extension.
 - Elevators.
 - Procedures for heavy lifts
 - Shutdown upgrading
 - Boiler reinforcement.
 - Heater 1101 sootblowers.
 - Heater 1102 rebuild.
 - Heater 1301/1302 panel replacement.
 - Heater 1503 Sootblowers and Platforms.

- **Marystown Shipyards, major overhaul to ship repair building.**
 - Increased existing crane capacity from 25 tonne to 40 tonne.
 - Reinforced existing building structure to accommodate increased crane capacity.
 - Realigned building structure.
 - Reinforced crane girders.

Government and Related Projects:

- Sir Humphrey Gilbert Building, St. John's, NL. Alterations and renovations - 13,500m², 7-storey office building. Structural steel with 2 levels reinforced concrete.
- Janeway Hospital Complex, St. John's, NL - 40,000m² of Reinforced Structural Concrete.
- RCMP Detachment Headquarters Building, St. John's, NL - 12000m², 4-storey office building, reinforced concrete structure.
- Grand Falls Courthouse, Grand Falls, NL - 1000m², Single-storey steel structure.

Commercial Projects:

- Terrace On The Square, St. John's, NL - 8000m² shopping mall. Structural steel.
- Extension to Avalon Mall, St. John's, NL. One-storey, 8000m², structural steel.
- Murray Premises, St. John's, NL. Structural investigation and design of 6400m² building, heavy timber construction.
- Bank of Montreal, St. John's, NL. Two-storey extension to existing building structural steel.

Offices:

- Newfoundland Telephone Building, St. John's, NL. Six-storey, 22000m² office building reinforced concrete and structural steel.
- Remax Building, St. John's, NL - 2000m² office building, structural steel.
- 211 LeMarchant Road, St. John's, NL. Three-storey, 1000m² office building, structural steel and load bearing masonry.

Educational:

- School of Music, Memorial University, St. John's, NL – Two-storey, 4000m² Music School, Structural Steel.
- Beachy Cover Elementary School, Portugal Cove-St. Philips, NL – Single-storey, 3200m², steel structure with gymnasium.
- School for the Deaf, St. John's, NL. Two-storey complex 9400m², structural steel.

Apartments/Hotels:

- Journey's End Hotel, St. John's, NL. Seven-storey hotel complex including underground parking. Reinforced concrete.
- Riverhead Towers, St. John's, NL. Six-storey, 5000m² apartment complex. Lift slab construction.
- Summerville Condominiums, St. John's, NL. Four-storey apartment/retail complex. Steel frame construction.

Design/Build:

- Extension to Avalon Mall, St. John's, NL. One-storey, 8000m², structural steel.
- Engine Testing Facility, Sheet Harbour, NS - 2500m², engine testing facility, structural steel 15m high with 100 tonne overhead cranes.
- J V Building, St. John's, NL. Two-storey, 2000m², office building, steel.
- Several strip malls.

Site Development/Site Services:

- YMCA Parking Lot, New Cove Road, St. John's, NL. Including storm water retention system.
- Metalfab Building, 2500m² plant with 2000m² parking. Storm, sanitary and water services including septic system.

Investigations and Appraisals:

- Canadian Salfish Corporation, Southside, St. John's, NL. Investigation, report, preparation of repair solutions, monitoring of repairs for partial collapse of pre-engineered building under snow load.
- Devon Row, St. John's, NL. Structural investigation and report on structural integrity of building and condition of exterior walls. Report was used in court case.
- Parking Structures, St. John's, NL. Feasibility study - Duckworth Street / Prescott Street Area.
- Centrac Building, Donovan's, NL - Joist investigation.
- Several Schools, Joist investigation.
- Forest Manor, St. John's, NL - Brick wall collapse.
- Hangars 7 and 8, Goose Bay, NL - Investigation report.
- Aquarena Roof Structure, St. John's, NL - Stabilization report.