

Terra Shimbashi, MAIBC, MAAA, LEED AP

118 – 3989 Henning Drive, Burnaby, BC V5C 6P8

Terra Shimbashi

Terra Shimbashi founded Elemental Architecture and Interiors Inc. (EAI) in 2009 after gaining over 25 years of industry experience working with prominent national architectural and engineering firms across Canada. For the past 9 years, Terra has consulted with prominent building envelope consulting firms designing and rehabilitating buildings that experienced premature failure due to water ingress. As Principal of EAI, Terra has integrated her technical skills with her passion for designing and rehabilitating structures to assist our clients realize economical yet sustainable solutions for their facilities. By partnering her clients with industry leaders in sustainable design and facilitating applications for grants and financial assistance, Terra assists our clients manage capitol expenditures for building upgrades with savings in energy and maintenance costs.

Professional Memberships

Architectural Institute of British Columbia
 Alberta Association of Architects
 BC Building Envelope Council
 Canadian Green Building Council

Education: University of Waterloo

Bachelors of Environmental Studies
 Bachelor of Architecture 1983

Representative Experience

Richmond Speed Skating Oval Terra acted as building envelope professional to the prime architect, Cannon Design, managing the design, evaluation and specification of all the building envelope materials. Designed and developed the building envelope details for the roof and wall assemblies. Researched and evaluated innovative cladding materials such as the polycarbonate wall panels and PVC single ply roofing membranes. This evaluation and recommendations for innovative materials provided significant savings to the overall project costs. The project was completed with all systems commissioned for to the City of Richmond on schedule.

Killarney Community Pool while employed at Morrison Hershfield, Terra acted as building envelope professional for the design and construction of the building which featured curtainwall, concrete block walls, and metal panels.

Killarney Ice Rink provided building envelope professional services to Acton Ostry Architects on the building envelope design and detailing for this tilt up concrete ice rink which was constructed for the City of Vancouver. This project was designed to meet LEED silver as part of the municipality's ongoing stewardship towards environmental protection.

Professional History

2009 - present	Principal, Elemental Architecture and Interiors Inc.
2007 - 2009	Sr. Architect Building Envelope Specialist, JRS Engineering Ltd.
2000 - 2007	Sr. Architect, Associate, Morrison Hershfield Ltd.
1991 - 2000	Principal, Shimbashi Architect
1989 - 1991	Intermediate Architect, James Cheng Architects
1985 - 1989	Intern Architect, Young + Wright Architects, Toronto, Ont.
1984 - 1985	Intern Architect, Jones and Kirkland Architects, Toronto, Ont.

Facility Audits, Litigation Reports & Building Envelope Investigations

Terra has completed facility audits for the Fairmont Hotels across Alberta and BC and long-term health care facilities for the BC Ministry of Health. Her more recent envelope investigations include:

- Deer Lake Centre, Burnaby
- Trinity Western University Buildings
- Fairmont Hotels, Chateau Lake Louise and Banff Springs Hotel
- Charles Hayes Secondary School, Prince Rupert B.C.

Current & Recent Building Envelope Rehab & Reno Projects In The Lower Mainland

Working with CMHC, MVHC, BC Housing, School Boards, Stratas Corporations and Housing Cooperatives, Terra managed the design and construction of the following projects:

- The Brambles Housing Coop.
- The Paloma Housing Coop
- Harbourside Terrace
- Charles Hays Secondary School
- Northwest Building
- Harwood Terrace
- Seventh Day Adventist Church
- Buena Vista
- Mayfair Place
- Sunridge Estates
- False Creek Elementary
- Central City Lodge
- The Vicinia, Vancouver

New Construction – Building Envelope

Terra consults with architectural clients developing envelope details designed to withstand the extreme weather conditions in the west coast climate while respecting the desired aesthetic intent of the Architect. Her background in architectural design and superior technical knowledge supports our architectural clients. Terra consults with several prominent Vancouver Architects:

- Olympic Speed Skating Oval, Richmond, BC. Cannon Design
- Merrill Gardens Kirkland WA.
- The Levo Towers Coquitlam B.C. Bernard DeCosse Architects
- Killarney Community Pool, Vancouver. HCMA Architects
- Killarney Ice Rink -Community Centre, Vanc. Acton Ostry Architects
- Trinity Western Music Practice Facility, TWU, Sitelines Architects

Architectural Projects

As project architect at prominent National Architectural Firms, Terra participated in the design and construction of the following buildings:

- Mississauga Civic Centre – Jones and Kirkland Architects
- University of Guelph Entomology Lab Young + Wright Architects
- Domed Stadium, Toronto – Robbie Young + Wright Architects
- Royal Bank of Canada Branch , Orillia, Ontario–Young + Wright
- Bowmanville Law Office/Apts – Young + Wright Architects
- 1500 Alberni Condominium– James Cheng Architects

Professional Development

Ongoing commitment to professional development - provides our clients with current and state of the arts technical solutions.

- AIBC Building Envelope Engineering Course Modules I, II, III, IV
- Monthly BCBECE Seminars
- Facilitation- Integrated Design Process