

# Your Experienced Glazing Engineer

– Frank Y.H. Hua. M.Eng., P.Eng.

(Frank Hua Engineering Ltd.)



## Engineering Services:

- Glazing shop drawing review and stamping
- Calculation packages
- Site visits and letters of assurance

Frank Graduated with a Master's Degree in civil engineering from Southeast University in 1989. He joined Layton Consulting Ltd. (LCL) as a design engineer, after he graduated with honours from BCIT's Civil & Structural Engineering program in 2004. He has obtained his registered professional engineer licenses in British Columbia and Alberta since 2006. He started his own business, Frank Hua Engineering Ltd. (FHE), after he left LCL in May, 2017.

As the manager of commercial design in LCL, Frank focused on curtain wall, storefront, window wall, skylight, canopy and guardrail design for commercial buildings. He has gained great experience and has successfully completed unitized curtainwall and window wall designs for high end commercial and residential high-rise buildings across Canada.

Frank has designed many feature components including total vision glass walls with glass fins, glass floors and glass stair systems. He is also a specialty structural engineer for structural components, cladding and fall protection systems.

Over the past 20 years, frank has provided detailed engineering services over 1,000 projects in both Canada and US under the building codes for both simple and complex glazing systems with solid structural analysis.

Please contact Frank at FHE if you need help or have questions for your projects. He will work with you to find out practical solutions and meet your project requirements.

Please note that FHE carries \$1million Error & Omission Liability Insurance for its professional services.

## Contact:

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# Highlighted Projects

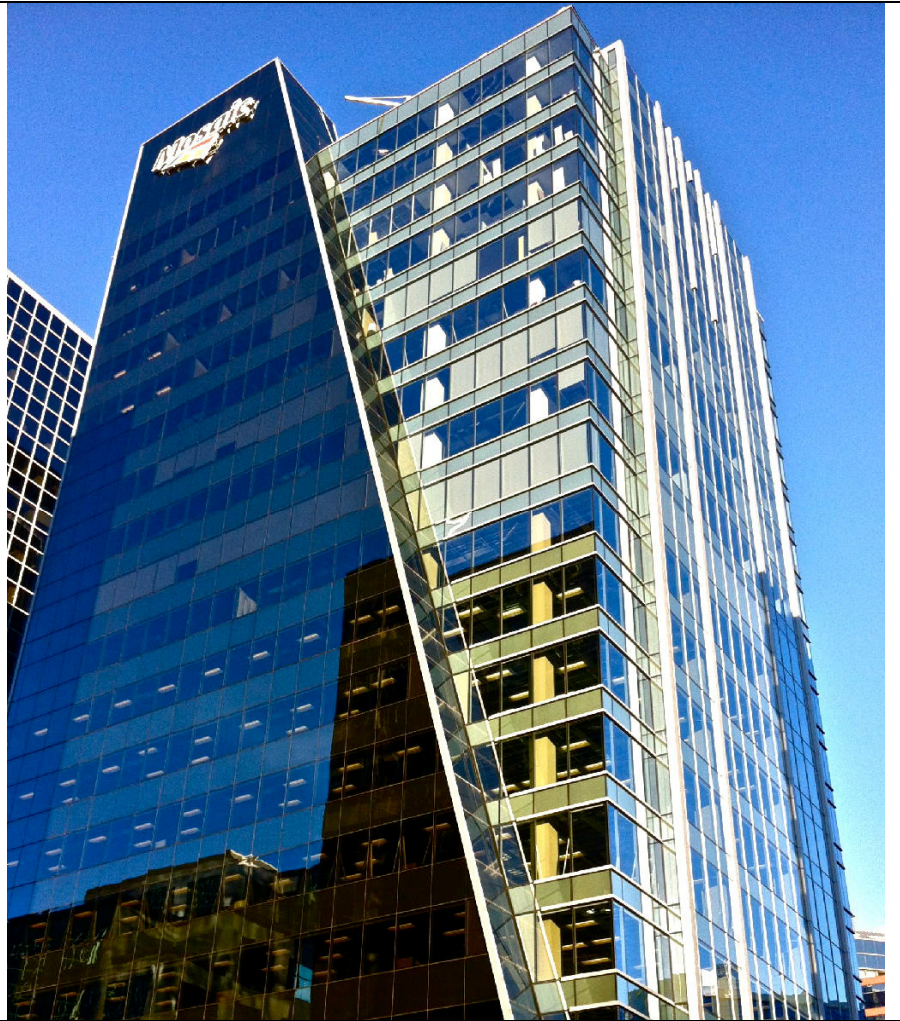
## Completed

### Hill Centre III

20 storey office tower, 1856 Hamilton Street, Regina, Saskatchewan (2012)

Highlights: Highrise, Structural embed, unitized curtainwall and sloped unitized curtainwall

Client: Inland Glass and Aluminum Ltd.



### Bow Valley College

Calgary AB (2011)

Highlights: Unitized curtainwall and terracotta wall cladding

Client: Aluminum Curtainwall Systems Inc.



**Transportation Management Centre,  
Coquitlam, BC (2012)**

Highlights: curtainwall, guardrails, wall panels, claddings, sunshades, metal roof

Client: Flynn Canada Ltd.



**Sovereign**

5988 Willingdon Avenue, Burnaby, BC  
(2012)

Highlights: embed, unitized curtainwall  
and window wall)

Client: Shenyang Yuanda Aluminum



**BC Place Glass Roof (2010)**

Highlights: structural design of roof  
glass on steel frame

Client: Glastech Glazing Contractor



**Metroplace**, 6461 Telford Avenue,  
Burnaby, BC (2012)

Highlights: embed, unitized curtainwall  
and window wall)

Client: Shenyang Yuanda Aluminum



**Canada Line Skytrain Stations**  
(Waterfront, Broadway, Langara-49<sup>th</sup>,  
Templeton, YVR Airport station),  
Vancouver, Richmond, BC (2009)

Highlights: SSG curtainwall, canopies  
and guardrails

Client: Glastech Glazing Contractors Ltd.



**Jack Bell Research Centre (2010)**

Highlights: Exterior curtainwall, feature sunshade

Client: Concept Aluminum



**Pier 27, Toronto, ON (2013)**

Highlights: Unitized curtainwall and exterior architectural features

Client: Shenyang Yuanda Aluminum



## King George Phase A

**Highlights:** podium curtainwall, wind screen and canopies

**Client:** Flynn Canada Ltd.



## Glass Cube

Highlights: structural glass cube without hardware connections and shipping design

Client: On Set Glass



**The Exchange** (31 storey office high-rise building) downtown Vancouver, BC (2013-2017)

Highlights: all exterior glazing system including embed, unitized curtainwall, guardrail, soffit, and podium

Client: Gamma Windows & Doors International

