

# Winner Fact Sheets

CONSULTING ENGINEERS OF BRITISH COLUMBIA

## Category 1 Building Engineering



**One Wall Centre**  
Vancouver, B.C.

*Consultant*  
**Glotman Simpson  
Consulting Engineers**

*Owner*  
**Wall Financial Corporation**

*Client*  
**Wall Financial Corporation**

## Award of Excellence

In 1996, the Wall Financial Corporation proposed building the highest tower in Vancouver. Using a team of consultants to design a building that would mesh with both their own multi-faceted objectives and the City of Vancouver's requirement to maintain its protected view corridors, the result is a slender glass tower, with a 70-foot wide elliptical footprint and a 7:1 height to width ratio that is one of the world's unique tall towers. This project was selected as 2001 skyscraper of the year by an independent vote through [skyscrapers.com](http://skyscrapers.com).

Achieving a safe and comfortable environment for occupants became a significant challenge during the design of this project. To control building motion from wind buffeting, a unique solution was required. The result was the design and use of the world's first *Tuned Liquid Column Damper* to be used in a building structure. A grand-scale frame was combined with outrigger beams connecting the tower core to the outer columns at four levels throughout the tower. The many structural challenges presented by this landmark building resulted in several construction firsts developed by Glotman Simpson.

Glotman Simpson Consulting Engineers are proud to have been the consulting structural engineer on the project.

### ***For more information***

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