



Lavi Industries Architectural Railing System Exceeds Stringent Ontario Building Code Requirements — Withstands Hurricane Force Winds.

Hotel X Toronto is the latest and most luxurious urban resort in Downtown Toronto. Situated squarely on the iconic Exhibition Place grounds overlooking the Lake Ontario waterfront, it is perfectly located near the region's most popular attractions.

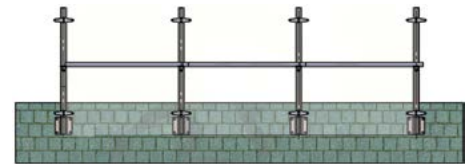
Designed with a focus on the vibrant Toronto community, its construction was driven by environmentally sustainable practices and eco-friendly initiatives to offer a modern hotel experience in the heart of Toronto's most historic and iconic location.



In order to differentiate from other luxury hotels in the Toronto area, Hotel X needed to embody a modern flagship hotel experience with unprecedented accommodations. Hotel X obtained this aesthetic through NORR Architects of Toronto, Canada.

The architects specified a low maintenance, attractive, yet easy to install outdoor stainless steel guardrail that had to meet current Ontario Building Requirements (OBC 2012). Lavi Industries and State Window Corp. of Canada presented a Pre-Fabricated 316-grade stainless steel guardrail system that offers an elegant look while adhering to the performance requirements.

Hotel X is uniquely situated at the Lake Ontario Shores where strong winds can create a venturi effect of hurricane strength winds between buildings. EXP Services Inc., a testing laboratory in Ontario, Canada tested the Lavi Industries Stainless Steel railing system which included all the components and glass infill panels. The railing system was tested successfully to wind loads of 169 mph, equivalent to a Category 5 Hurricane.



“ The Hotel X guardrail configuration was tested successfully to wind loads of up to ± 3.5 [KPa] (± 73.1 psf).

This level of loads translates to 169 mph wind speed* which is experienced in a Level 5 Hurricane.** ”



ABOUT LAVI INDUSTRIES

For over 35 years, Lavi Industries has provided Architects, Contractors, and Installers premium architectural railing systems and components for both commercial and residential installations. Our ever-expanding line of prefabricated railing systems and modular components in brass and stainless steel provide our customers with innovative, precision-engineered solutions that are integral to the aesthetic and practical success of their projects.

* Formula for Wind Pressure of Basic Speed ** Saffir-Simpson scale