SQUARE POST

Glass Spider Railing System





Hurricane-strength, marine-grade railing posts are prefabricated to make installation a breeze.

The modern look of our 316-grade stainless steel glassspider railing system is ideal for both indoor and outdoor applications. Heavy-duty posts have been certified for wind loads up to ± 3.5 [KPa] which is what is experienced in a Level 5 Hurricane. Our prefabricated glass-spider system is an attractive, low maintenance, and easy-to-install railing option for residential or commercial applications. It is extremely durable and allows for beautiful, unimpaired views. Available in 2" square with choice of mount style. All work with glass infill that is 1/2" to 3/4" thick.



1. . \odot : Floor Mount Core Mount Fascia Mount





FLOOR MOUNT POSTS FOR GLASS/SPIDER, 2"



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	PART	POST HEIGHT	POST DIA.	MOUNT	POSITION	FINISH	DIM A	DIM B	DIM C
	GS/S2/EN/42/EC/FL/RT	42"	2"	Floor	Right End	Satin	28.5"	42.0"	46.0"
	GS/S2/EN/42/EC/FL/LT	42"	2"	Floor	Left End	Satin	28.5"	42.0"	46.0"
	GS/S2/CN/42/EC/FL	42"	2"	Floor	Center	Satin	28.5"	42.0"	46.0"
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FASCIA MOUNT POSTS FOR GLASS/SPIDER, 2"



PART	POST HEIGHT	POST DIA.	MOUNT	POSITION	FINISH	DIM A	DIM B	DIM C
GS/S2/EN/42/EC/FM/RT	42"	2"	Fascia	Right End	Satin	28.5"	42.0"	46.0"
GS/S2/EN/42/EC/FM/LT	42"	2"	Fascia	Left End	Satin	28.5"	42.0"	46.0"
GS/S2/CN/42/EC/FM	42"	2"	Fascia	Center	Satin	28.5"	42.0"	46.0"



CORE DRILL POSTS FOR GLASS/SPIDER, 2"



PART	POST HEIGHT	POST DIA.	MOUNT	POSITION	FINISH	DIM A	DIM B	DIM C
GS/S2/EN/42/EC/CD/RT	42"	2"	Core Drill	Right End	Satin	28.5"	42.0"	46.0"
GS/S2/EN/42/EC/CD/LT	42"	2"	Core Drill	Left End	Satin	28.5"	42.0"	46.0"
GS/S2/CN/42/EC/CD	42"	2"	Core Drill	Center	Satin	28.5"	42.0"	46.0"

2" GLASS SPIDER POSTS









Fascia Mount, Center

Core Drill, End



CASE STUDY Prefabricated Glass-Spider Railing HOTEL X, Toronto

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.



Lavi Industrie

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.



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 Railings Corp. of Canada presented a Pre-Fabricated 316-grade stainless steel guardrail system that offers an elegant look while adhering to the performance requirements.





Lavi Industries Architectural Railing System Exceeds Stringent Ontario Building Code 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.

Our system was put to the test and found to withstand hurricane force winds.

EXP Services Inc., a testing laboratory in Ontario, Canada extensively tested two different railing configurations, effectively simulating horizontal loading conditions equivalent to high-force winds. Resistance was applied gradually from 0 to maximum by means of either spreader beams or large pieces of plywood to all sections of each configuration during the testing process:

- **1. Guardrail type RL-5** (Face Mount): 7 independent tests were performed on various parts of the configuration, including each post, the infill and the handrail.
- **2. Guardrail type RL-14** (Top Mount): 5 independent tests were performed on various parts of the configuration, including each post, infill and handrail.

TEST RESULTS:

The Hotel X guardrail system 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.**

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

