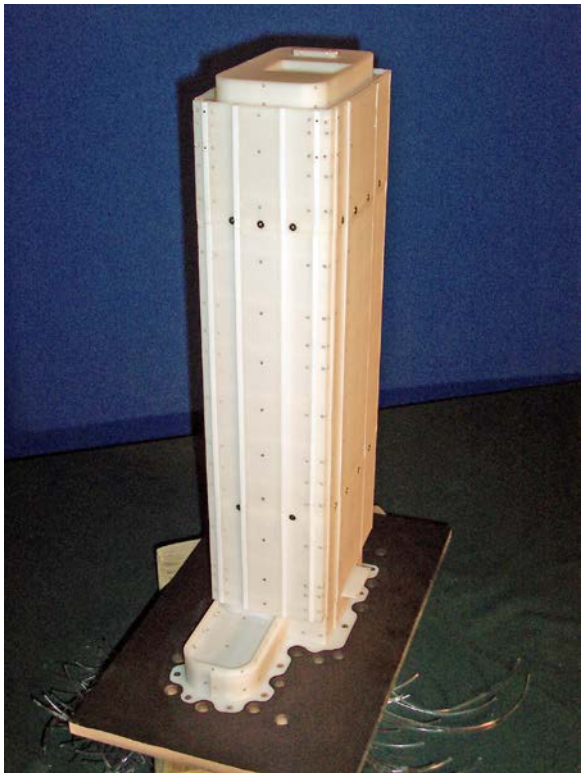
353 North Clark (formerly 351 N Clark), Chicago, IL, USA

Wind Engineering Study



Client	Structural Engineer	Architect
A. Epstein and Sons International Inc.	A. Epstein and Sons International Inc.	Lohan Anderson, LLC and A. Epstein and Sons International Inc.
Height	**Year Tested**	**Model Scale**
617.5 feet	2006	1:400

The Project

353 North Clark, Chicago, Illinois is a retail/office tower located in downtown Chicago just north of the Chicago River. The project is located on a one-half block site bordered by Kinzie Street on the north, Dearborn Street on the east, Clark Street on the west and Quaker Tower and the Westin Hotel on the South.

The retail/office tower is a joint project between Mesirow Financial and Jenner & Block LLP who will occupy 70% of the available space.

The Wind Tunnel Studies

The wind engineering studies for 353 North Clark included a study of the wind-induced structural loads and responses, local cladding pressure loads and pedestrian level winds.

The study of overall structural loads and responses was determined for the tower using the force balance technique.

A study of wind-induced cladding pressures was carried out for 564 measurement locations distributed over the tower and podium.

A study of pedestrian level winds was carried out for 19 measurement locations around the base of the tower and podium.

The Boundary Layer Wind Tunnel Laboratory

Western

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