50 East Chestnut Street, Chicago, IL, USA

Wind Engineering Study

Client	Structural Engineer	Architect
Halvorson and Partners, Chicago	Halvorson and Partners, Chicago	SCB & Associates, Inc., Chicago
Height	**Year Tested**	**Model Scale**
150 m (492 ft)	2005	1:400

The Project

The project is located at 50 East Chestnut Street in Chicago, Illinois.

The project consists of a 33-storey condominium tower which is situated above a 5-storey parking garage. There is a pedestrian terrace on the roof of the parking garage.

The Wind Tunnel Studies

The study provided information on wind-induced cladding pressures, structural loads and pedestrian wind speeds.

The structural wind loads and responses were determined from the integration of simultaneously measured pressures.

The Boundary Layer Wind Tunnel Laboratory

Western

The Boundary Layer Wind Tunnel Laboratory
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