Torre Reforma, Mexico City, Mexico

Wind Engineering Study

Image Credit: LBR&A, Arquitectos (2008)

Client	*Structural Engineer*	*Design Architect*
Fondo Hexa SA de CV, Mexico City	Arup, Los Angeles, CA	L.B. Romano & Associates, Mexico City
Height	*Year Tested*	*Model Scale*
244 m (800 ft)	2008	1:400

The Project

The project is located on the northeast corner of Paseo de la Reforma and Rio Elba in Mexico City, Mexico. The tower is 56 storeys in height. A former BLWTL project, Torre Mayor, is located across the street on the northwest corner.

The building features a unique bevelled top with a large 2-storey opening to accommodate the mechanical floors and possibly wind turbines.

The bottom of the building is mainly open to the third floor and supported at the perimeter on two sides by an L-shaped foundation wall. Access to the building from ground level is via escalators.

The Project (continued)

The interior of the building features a 2-storey atria at every second floor for the first 22 storeys and a 3-storey atria at every third floor to the top of the building

The Wind Tunnel Studies

The study will provide information on wind-induced structural loads and cladding loads.

Optional studies include evaluation of pedestrian-level winds and assistance on effectiveness of wind turbines at roof level.

The Boundary Layer Wind Tunnel Laboratory

Western

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