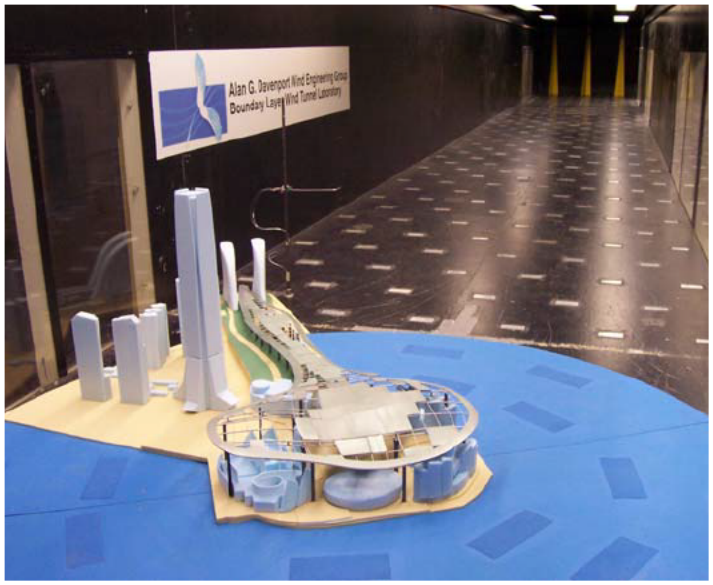
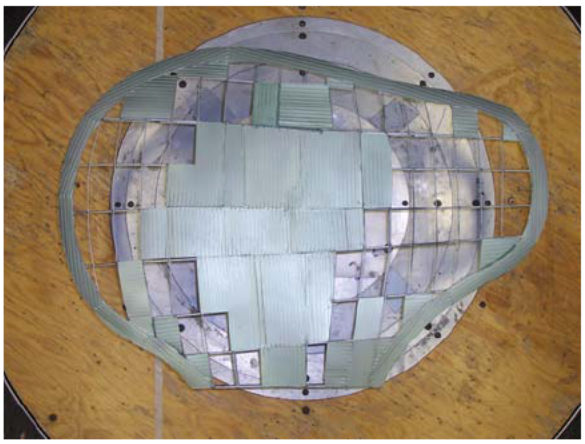
West Kowloon Cultural District Canopy, Hong Kong

Wind Engineering Study





Client	Structural Engineer	Architect
Henderson Real Estate Agency Ltd.	Leslie E. Robertson Associates R.L.L.P	Dennis Lau & WG Man Architects & Engineers
Length/width/Height	*Year Studied*	*Model Scale*
1367m/517m/128m	2005	1:700

The Project

The West Kowloon Cultural District Canopy is a concept canopy design envisioned to cover the entire proposed development location.

The Wind Tunnel Studies

The wind engineering studies for the West Kowloon Cultural District included a study of the wind-induced structural loads and responses on the canopy and pedestrian level wind study in and around the buildings with and without the proposed canopy.

The study of overall structural loads and responses were determined using the force balance technique.

A study of pedestrian level winds was carried out for 19 measurement locations distributed over the site.

Alan G. Davenport Wind Engineering Group

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