MTR Choi Hung Park & Ride Development, Hong Kong

Wind Engineering Study

Image Credit: Ronald Lu & Partners (H.K.) Ltd.

Client	*Structural Engineer*	*Architect*
Maunsell Structural Consultants Ltd.	Maunsell Structural Consultants Ltd.	Ronald Lu & Partners (H.K.) Ltd.
Height	*Year Tested*	*Model Scale*
Car-Park – 42 m	2003	1:400

The Project

The MTR Choi Hung Park & Ride Development in Hong Kong, consists of a 40-storey tower connected to an 11-storey car-park low-rise. Only the car-park structure was tested. The site is located in San Po Kong District and is bounded by Clear Water Bay Road.

The Wind Tunnel Studies

The wind engineering studies for MTR Choi Hung Park & Ride Development included a topographic study and a study of the wind-induced structural loads and responses.

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

The Boundary Layer Wind Tunnel Laboratory

Western

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