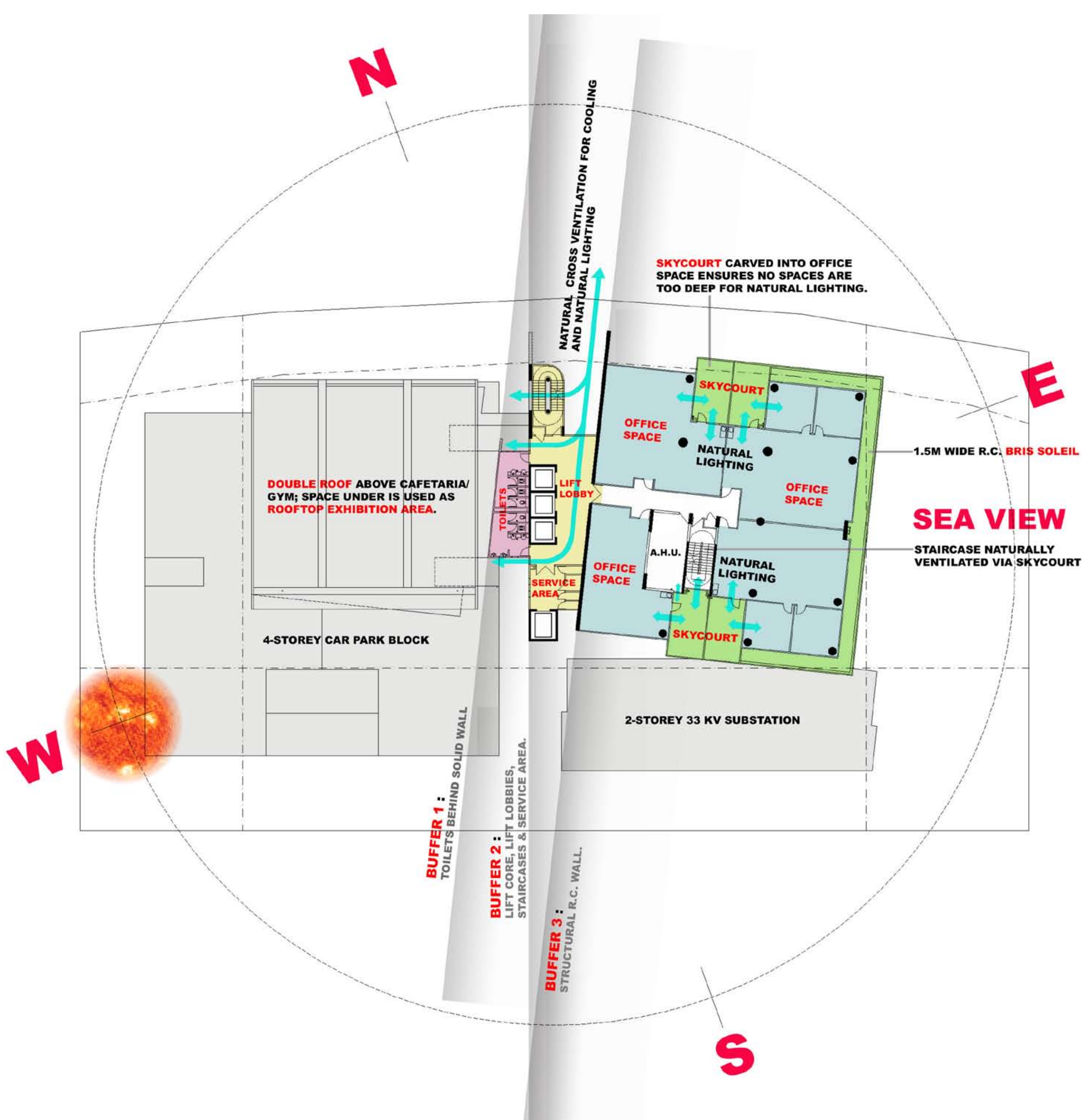
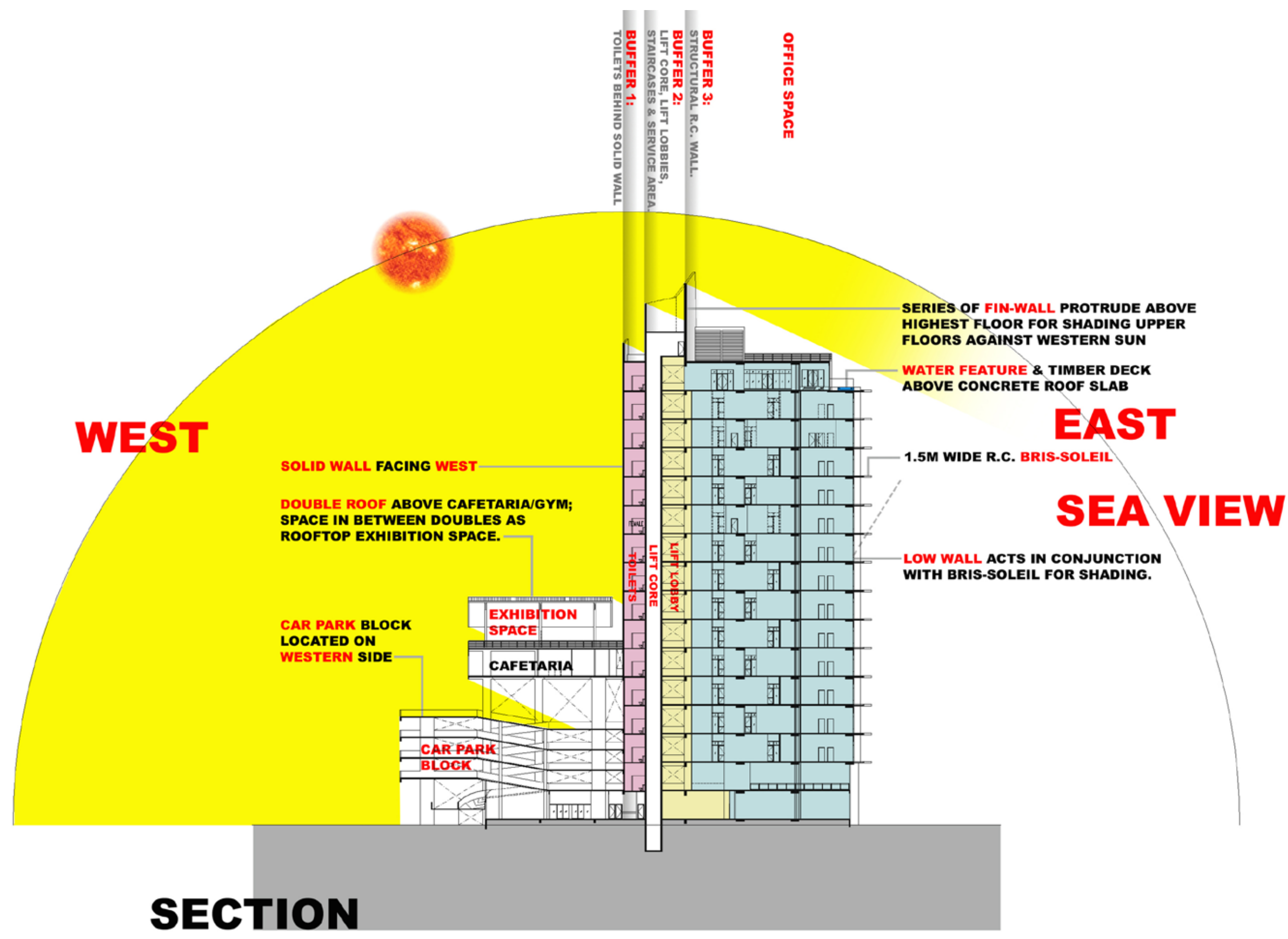




## MENARA IJM, PENANG

The project is part of the Jelutong Expressway Project, a waterfront city development by IJM in Penang. The brief required a sixteen storey office block which will provide state of the art corporate office space for both local and multinational companies. The design brief involved resolving the strategic space planning, form and building elements while achieving natural ventilation, lighting and shading while taking advantage of views towards the sea.

In reconciling the issues of natural ventilation and lighting the design strategically located the car park block, toilets, lift core and lift lobbies respectively to form several layers of buffer zones against the hot western sun in order to shield the habitable spaces. These spaces were defined by a series of fin walls which are also structural, their shape and configuration and height is intended to provide further shading and natural cooling. The lift lobbies are naturally cooled by directing prevailing breezes by the fin walls to achieve cross ventilation.

A Bris-Soleil, created through the one and a half metre protruding reinforced concrete slabs, acts in conjunction with low horizontal walls provide shading from eastern sun. The slabs also double as maintenance access for external window cleaning. A canopy roof top shades the spaces below and provides cover for usage as an exhibition space while the rooftop reflective pool provides cooling and lowers the ambient temperature.

The double height sky-court draws its inspiration from traditional Penang shop house courtyards and provides the opportunity for vertical landscaping. This semi-out-door space ensures that no habitable spaces are too deep in order to maximize natural lighting and ventilation and to link recreational spaces to habitable spaces.

architecture 1999

edmond khoo

senior associate architect

Edmond Khoo Boo Hean is a Senior Associate for Arkitek LLA Sdn Bhd, Penang. Established in 1983, Arkitek LLA has distinguished itself through numerous projects involving architecture, urban design, planning, conservation, interior design & landscape design covering assignments in every aspect - residential, commercial, recreational & industrial. The firm, with offices in Penang and Kuala Lumpur, has built up an impressive reputation, garnering numerous design awards.

penang, malaysia

