

Singha Complex

client Singha Property

period 2013-2018

GFA 144,800m²

height 203m

floors 37

architect Kohn Pederson Fox with Tandem

contractor AAGC

office

retail

unitised curtain wall

GFRC

The complex consists of a central tower with retail podium and mechanical / car park ramp blocks on either side all linked together by a common architectural language of smooth continuous horizontal banding but differentiated by vertical and horizontal fin expressions.

The tower consists of two main unitised curtain wall systems, the first wraps the tower volumes with a subtle light gold solar selective glass and vertical champagne gold and bronze anodised fins, the second is a clean and simple neutral coloured structurally glazed curtain wall that highlights the volumes within the gold wrapping.

Both systems utilise high performance solar control glazing with similar thermal and mechanical performance but very different colour expression from outside.

The fins of the tower are also slightly rotated as the height increases. The extrusions are designed to allow for the rotation without an excessive number of individual extrusions.

The retail podium also uses a unitised curtain wall, but this time in a landscape format, with true curved corners and glazing and horizontal fins incorporating LED strip lighting. The unitised curtain wall is suspended from widely spaced vertical steel columns. Bracketry for the horizontal format unitised system is carefully concealed giving a clean long span facade.

Canopies at the Office Lobby and Retail main entrance are extensions of the building facades and seamlessly integrated. Structural supports are de-emphasised and carefully engineered to reduce any perception of bulk despite the very long spans of these elements.

The Office and VIP entrance lobbies use underfloor sliding door motors resulting in clean and minimal framing for the doors.

Wave pattern linear and curved GFRC cladding with integrated planters wraps the main parking zone at the rear of the building.

The entire upper perimeter includes access for cleaning and maintenance by ropes and gondolas.

