

# The Esse at Sukhumvit soi 36

client Hong Kong Land + Singha Estate

period 2014-2017

GFA 38,000m<sup>2</sup>

architect SOM with Tandem

height 177m

floors 43

contractor Frametek + Bouygues Thai

residential

unitized curtain wall

gfrc

structural glass

The development consists of a tower sitting on a podium containing amenities facilities manual and auto parking. The typical units facade is a fully unitized curtainwall system with metallic finish concave extruded fins of two widths and concave solid aluminium spandrel panels with a dark low-gloss powder-coated finish.

The unitized system has many panel widths and incorporates balconies, glass balustrades, louvers, operable windows, and grilles. At corners the panels are L-shaped with a slender reinforced corner element that maximizes views from the corner units.

The double glazing includes a grey tint and Low-E coatings to give good heat rejection and neutral colour while minimising external reflectivity and maintaining a uniform appearance with the dark matt spandrels.

The sill of the unitized system is about 600 mm above the floor level creating a solid low level band around the rooms in order to increase the robustness of this zone thin autoclaved lightweight concrete block (ALC) was integrated into part of the spandrel of the curtain wall, allowing for the strength and brittleness of the

block and the movement requirements of the unitized panels.

At the center of the short sides of the tower the facade changes systems to floor-to-ceiling sliding doors and cantilever glass balustrades with white composite cladding.

The manual and auto car parking of the podium is clad with a concave formed grill panel consisting of different depth vertical aluminium fins of three different metallic shades. No parking extends away from the tower to the north and is clad with floor to floor height concave shape GFRc panels with a subtle beige limestone effect matt paint finish.

The language of the facade continues into the upper floors where double height steel reinforced semi unitized systems carry the same fins and glazing detailing as the curtain wall panels below, giving a seamless appearance to the tower. The upper levels also contain glass louver slats that help merge the MEP spaces into the overall massing.

The ground levels include tall 4 meter entrance swing doors and a glazed glass fin supported library volume surrounded by ponds.

