

The Parq, Rama 4

client Kasemsubsiri
period 2016-2020
GFA 157,000m²
height 77m
floors 16
architect Palmer & Turner (Thailand)
contractor Peterson 1990

mixed-use office retail
unitised curtain wall semi-unitised cable net



The Office levels are enclosed in a fully-unitised curtain wall system designed by Facade Associates to accommodate the subtly twisting and sloping forms on the south and east elevations. The facade gradually morphs from vertical to sloped back to sloped out without using any pre-bent framing or glazing, all the while maintaining the straight lines of the horizontal and vertical fins with integrated lighting, and level sill trims internally.

Facade Associates proved that the twisted curtain wall wall could be implemented without any hot bending of glass or aluminium, and avoid overstress in silicone glazing and metal joint seals, and that the necessary slight 'cold-bending' of the panels on site could be easily achieved without overstressing glazing or framing.

Vertical cable nets and a long-span fritted point-fixed glazed canopy with concealed gutters enclose the wide main lobby area, and the 3 floors of retail space use a structurally-glazed faceted steel-reinforced semi-unitized glazing system which supports an undulating aluminium cladding screen.

At the retail podium levels faceted semi-unitised steel reinforced stick systems wrap the perimeter and support an offset screen

of undulating aluminium tubes of various depth and width integrated lighting.

The parapets at the top of the facade are at various heights supported from secondary steel roof structures with integrated walkways and a continuous offset metal rail to allow for maintenance access for cleaning.

In the centre of the building a slot divides the building into two halves and introduces further light to the office spaces, the soffit and glazing created are maintained from integrated overhead soffit rails.

At the north side of the building a large terrace is bordered by cantilevered glass balustrades.

The facade design is a showcase for what can be achieved with unitised curtain wall without resorting to complex forming methods such as glass bending and aluminium rolling and welding.

