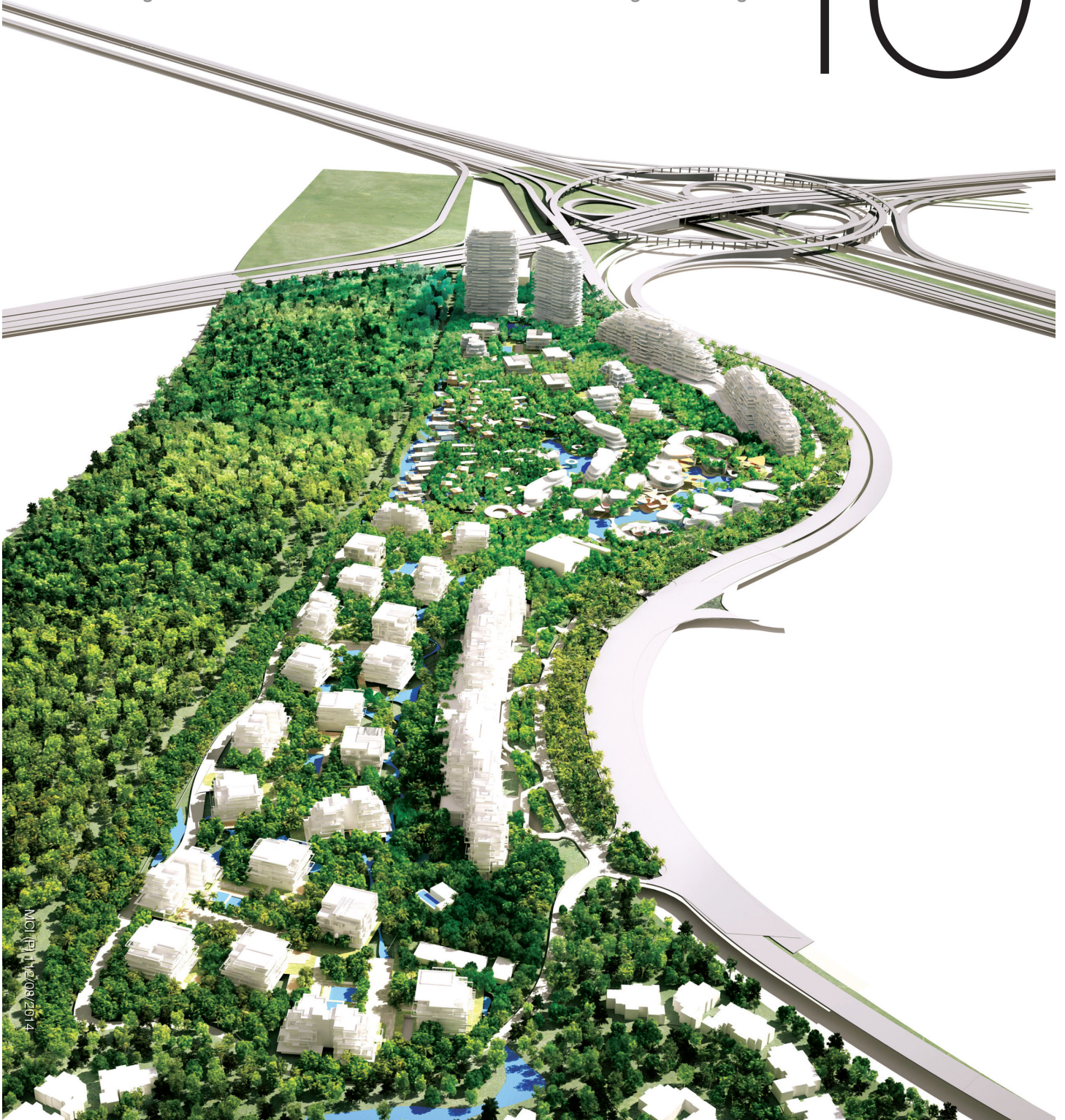


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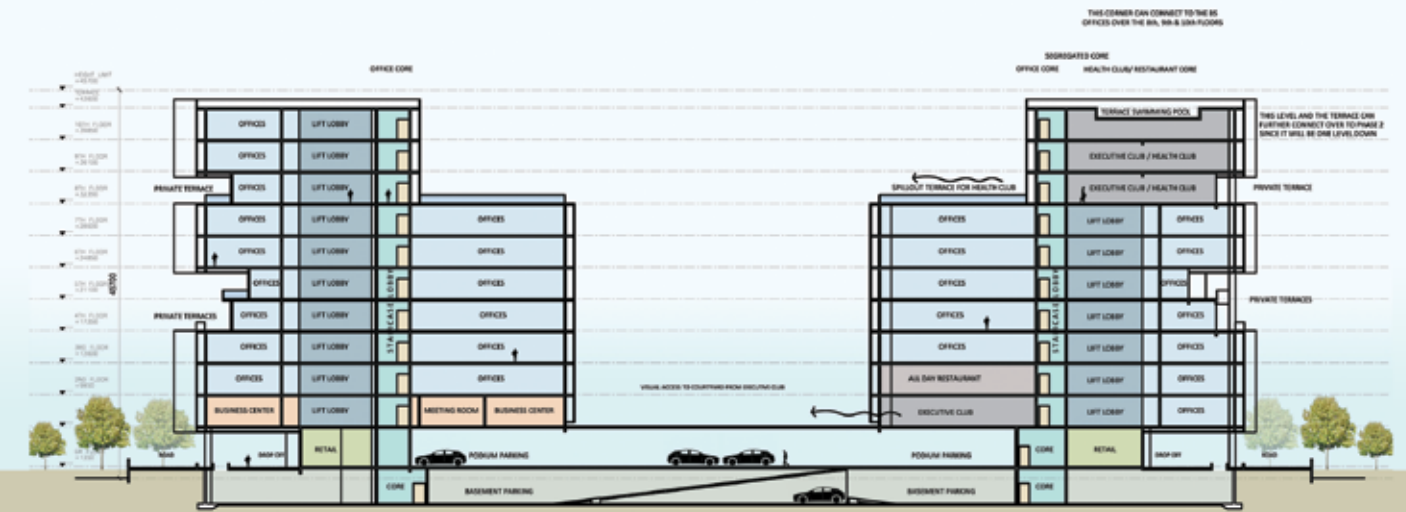
Exterior perspective



Aerial view



Perspective view



Section
Site plan



BOMBAY SWEETS

DHAKA | BANGLADESH

Bombay Sweets sits on a trapezoidal site, in a prime business zone, and within the vicinity of Dhaka International Airport. The complex, once completed, will be rented out to multinational corporate brands. A flexible design is needed to take into account possible future expansion as well as to accommodate different services and building management systems.

Creating an internal microclimate is necessary, considering Dhaka's hot and humid weather, in addition to its immense annual rainfall. As such, the building is screened off on the east and west sides by a modern interpretation of the traditional Islamic mesh screen to avoid direct solar glare. A central courtyard is carved out from the massing, and runs across the north-south axis to facilitate wind circulation through the site. Entrances are aligned to capture the prevailing winds.

Other features of the complex include open-air terraces within building levels as a result of the stacking of building volumes. Vehicular movement is relegated to the periphery of the site, while car park spaces are placed at the ground-level podium and basement.

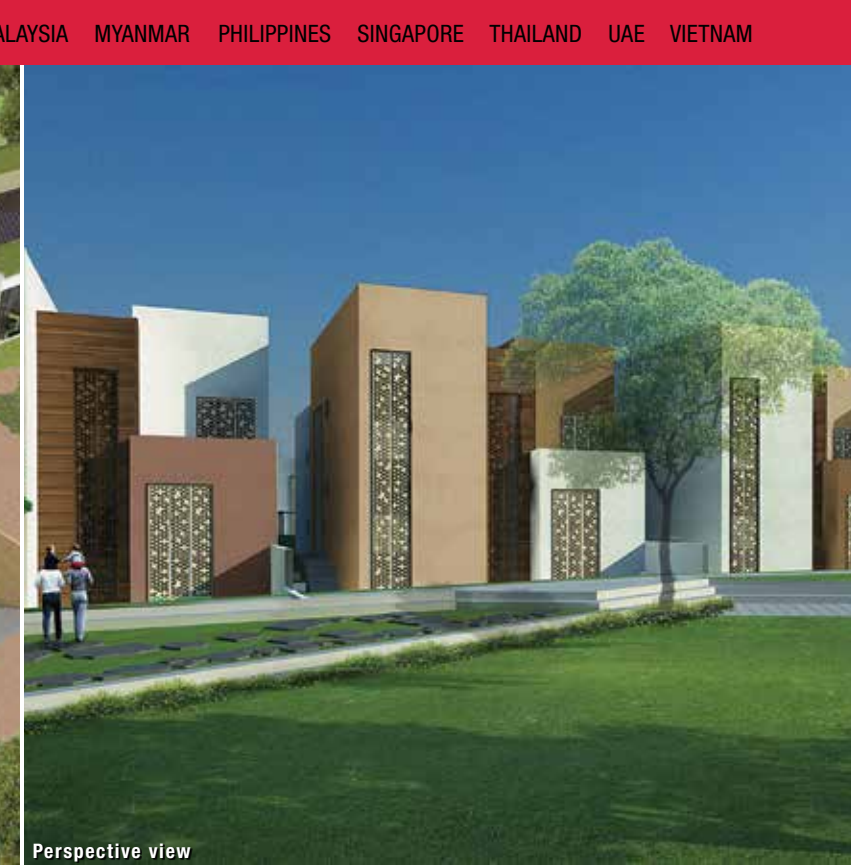
- Project Name** Bombay Sweets
- Location** Dhaka, Bangladesh
- Client** Bombay Sweets
- Architecture Firm** Morphogenesis
- Principal Architects** Mani Rastogi; Sonali Rastogi
- Site Area** 47,348 square metres
- Gross Floor Area** 185,806 square metres
- Building Height (metres)** 45.72
- Building Height (storeys)** 10 (above ground)
- Superstructure Construction Start Date** March 2015
- Scheduled Completion** April 2017



Perspective view



Aerial view



Perspective view



Interior section

Site plan

UMAID BHAWAN PALACE FOOTHILLS

JODHPUR | RAJASTHAN | INDIA

Project Name Umaid Bhawan Palace Foothills
Location Jodhpur, Rajasthan, India
Client Jodhana Developers Pvt Ltd
Architecture Firm Morphogenesis
Principal Architects Mani Rastogi; Sonali Rastogi
Mechanical & Electrical Engineer Apostle Studio
Civil & Structural Engineer Apostle Studio
HVAC & Plumbing Apostle Studio
Structural Vintech Consultants
Landscape Burt Hill
Site Area 76,890 square metres
Gross Floor Area 474,813 square metres
Building Height (feet) 36
Building Height (storeys) NA
Superstructure Construction Start Date April 2015
Scheduled Completion May 2017

The development comprises a cluster of luxury villas located on the foothills of the Umaid Bhawan Palace in Jodhpur, Rajasthan. The site belongs to the royal family, and each villa is positioned such that it has unobstructed views to the palace. The project intends to maximise the commercial potential of the site, while serving as a showcase for Rajasthani culture.

Courtyard designs and external finishes reflect the local heritage through art and stone carvings. The incorporation of *jaalis*, perforated latticed screens, further illustrates the use of traditional design elements in the architecture. *Jaalis* have the added advantage of acting as a double skin or thermal buffer, whilst also allowing daylight entry into the villas. To overcome the harsh desert-like climate, local horticulturalists have advised to include a sustainable and water-efficient landscape that could also provide adequate shading facilities. A central green park is added to boost the green areas on the site. Pathways connecting the roads to the villas are shaded by pergolas, ensuring that the connections are green and pedestrian friendly.

