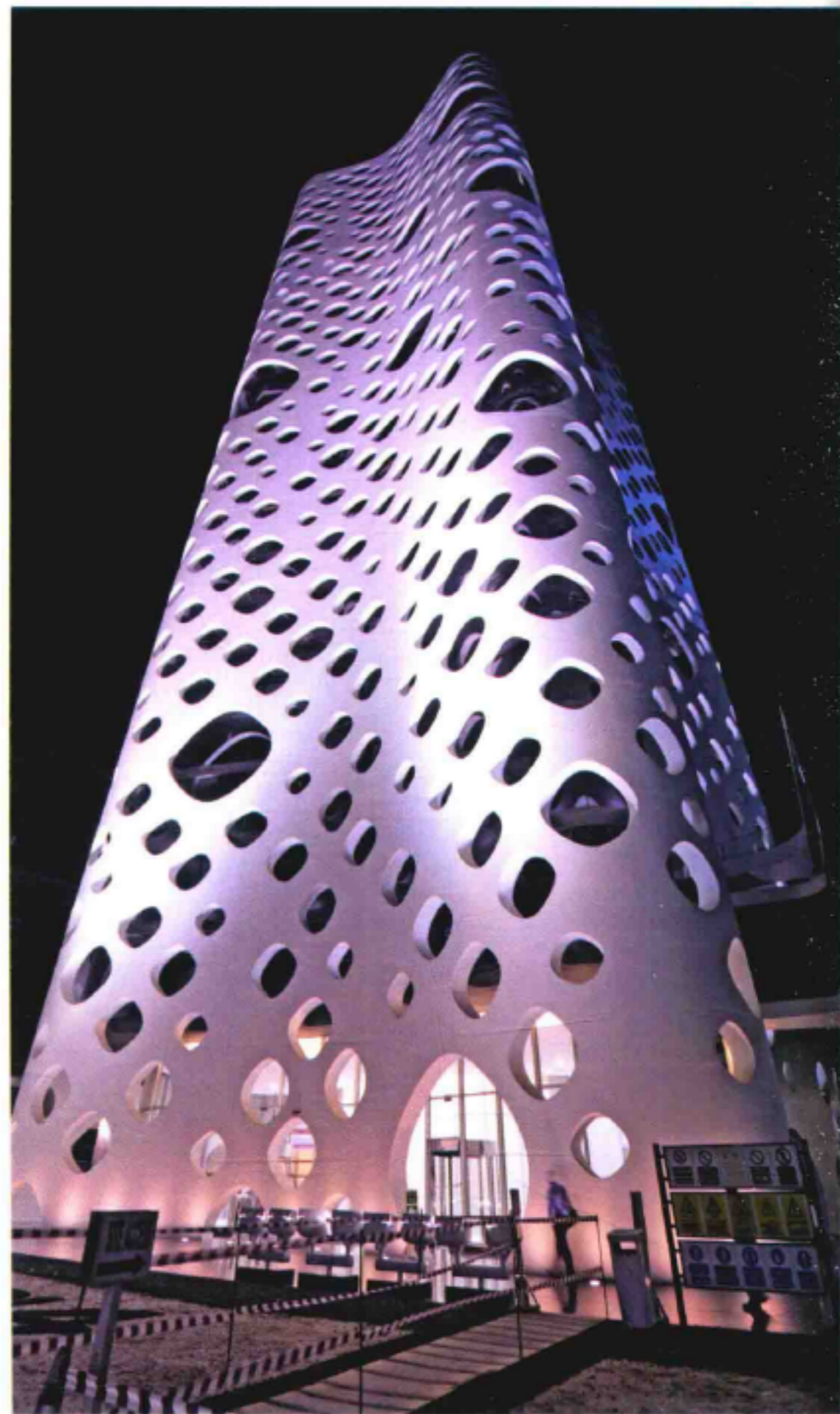




建筑外墙 Façade



夜景 Night view

0-14

Located along the extension of Dubai Creek, occupying a prominent location on the waterfront esplanade, 0-14, a 22-storey-tall commercial tower perched on a two-storey podium, broke ground in February 2007, and comprises over 300,000 square feet of office space for the Dubai Business Bay. The concrete shell of 0-14 provides an efficient structural exoskeleton that frees the core from the burden of lateral forces and creates highly efficient, column-free open spaces in the building's interior. By moving the lateral bracing for the building to the perimeter, the core, which is traditionally enlarged to receive lateral loading in most curtain wall office towers, can be minimised for only vertical loading, utilities and transportation. Additionally, the typical curtain-wall tower configuration results in floor plates that must be thickened to carry lateral loads to the core, yet in 0-14 these can be minimised to only respond to span and vibration. Consequently, the future tenants can arrange the flexible floor space according to their individual needs.

The main shell is organised as a diagrid, the efficiency of which is wed to a system of continuous variation of openings, always maintaining a minimum structural member, adding material locally where necessary and taking away where possible. This efficiency and modulation enable the shell to create a wide range of atmospheric and visual effects in the structure without changing the basic structural form, allowing for systematic analysis and construction.

0-14办公楼

0-14办公楼选址在迪拜河沿岸，22层的商业建筑“栖息”在两层的基座上，总面积达27871平方米，于2007年二月开工建设。水泥外壳构成了主体框架，使得中央结构免受侧面压力，同时营造了无廊柱的室内空间。侧面支撑结构被移到四周，这样进一步减轻了中央结构的压力。此外，幕墙结构的使用助于租户根据需要改变空间格局。

建筑正面幕墙为斜肋构架，与连续变换的开口系统相互呼应。十足的功能性以及可调制特色使其在不改变基础结构的同时，便可营造出不同的氛围及视觉效果。

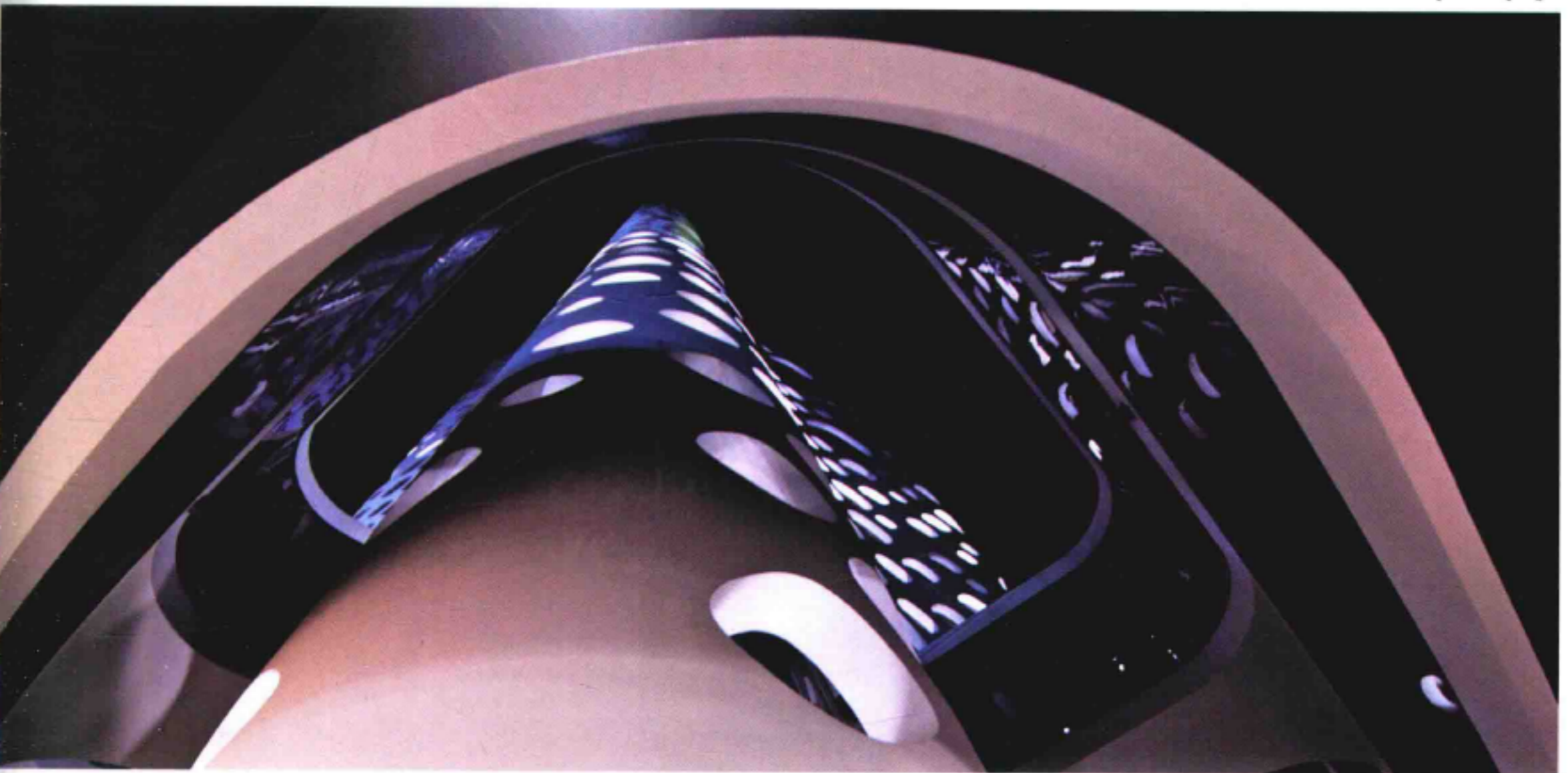


1. rooftop garden
2. mechanical
3. prayer room
4. offices
5. landscape
6. offices
7. interior bridges
8. drop-off
9. parking entrance

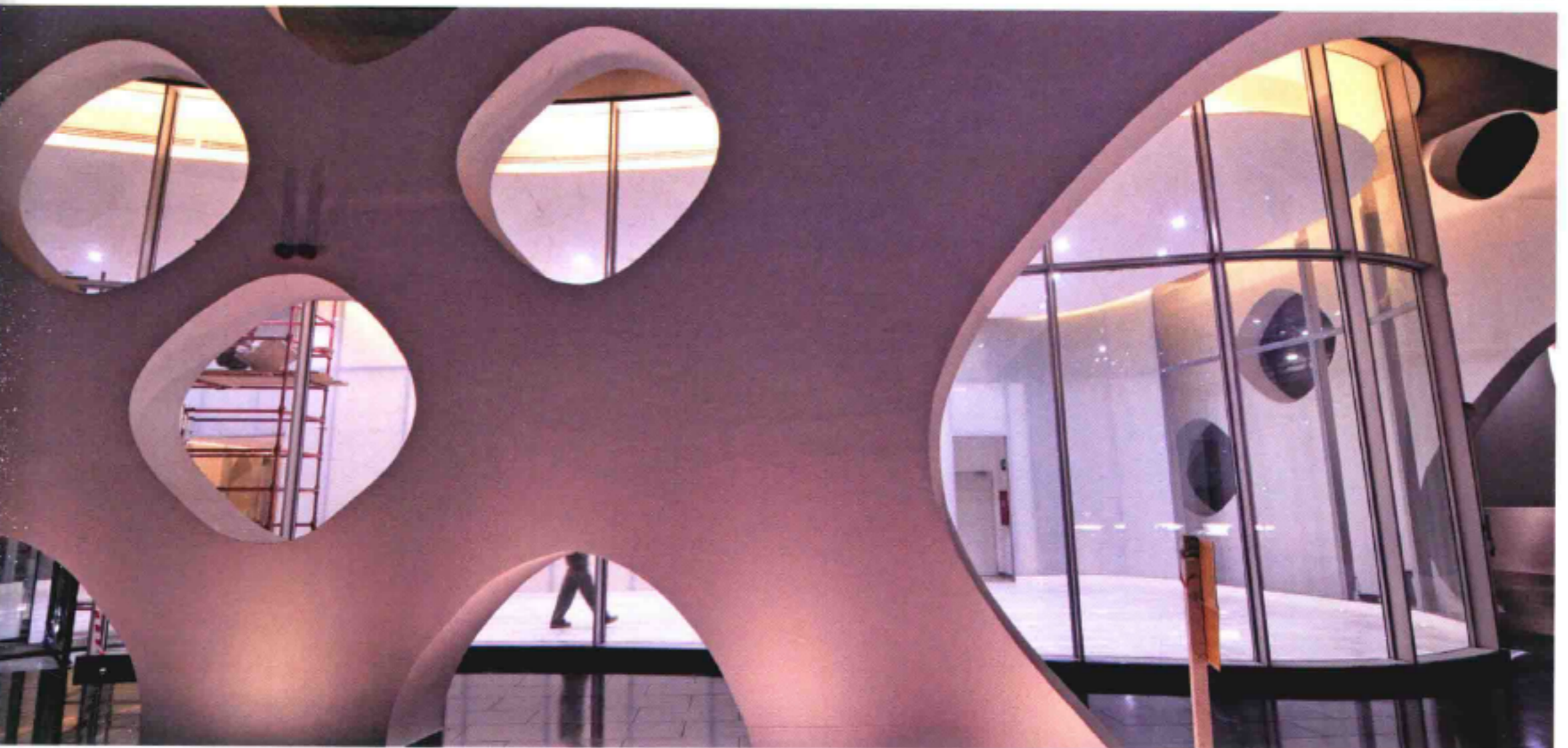
1. 屋顶花园
2. 机械结构
3. 祈祷室
4. 办公室
5. 景观
6. 办公室
7. 室内廊桥
8. 下降区
9. 停车场入口



夜間鳥瞰圖 Bird's eye view by night



外牆細節 Façade details



外牆細節 Façade details

Photo: Reiser + Umemoto (1st photo), and Sebastian Opitz (photos 2-5, night photos)

Architect: Principals, Jesse Reiser + Nanako Umemoto; Design Team, Mitsuhsa Matsunaga, Kutan Ayata, Jason Scroggin, Cooper Mack, Michael Overby, Roland Snooks, Michael Young; Assistants and Interns, Tina Tung, Raha Talebi, Yan Wai Chu

Corporate

Completion Date: 2010