

国际协同创新区北区N-05项目建筑方案设计（不含地下方案设计）

ARCHITECTURAL SCHEME DESIGN (EXCLUDING UNDERGROUND SCHEME DESIGN) OF N-05 PROJECT IN NORTH AREA OF INTERNATIONAL COLLABORATIVE INNVATION ZONE

业绩图册（正本）

CAPOL 華陽國際 NIKKEN

投标人名称：深圳市华阳国际工程设计股份有限公司、株式会社日建设计

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KYOTO RESEARCH PARK (KRP)

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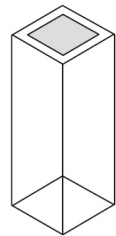




HD 现代国际R&D中心

HD HYUNDAI GLOBAL R&D CENTER

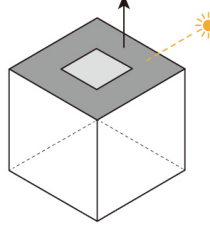
典型高层建筑
Typical High-rise Building



>
Expansion of
Rooftop space
扩充屋顶空间

立方体
CUBE Shape

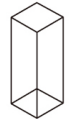
太阳能板设置空间
solar panel space



典型高层建筑构成
Typical High-rise Building Configuration

60m × 60m × 200mH

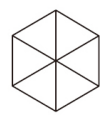
体量
Volume



729,000

≡

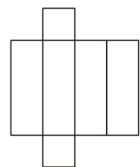
90m × 90m × 90mH



729,000

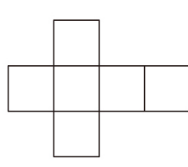
±0%

表面积
Surface area



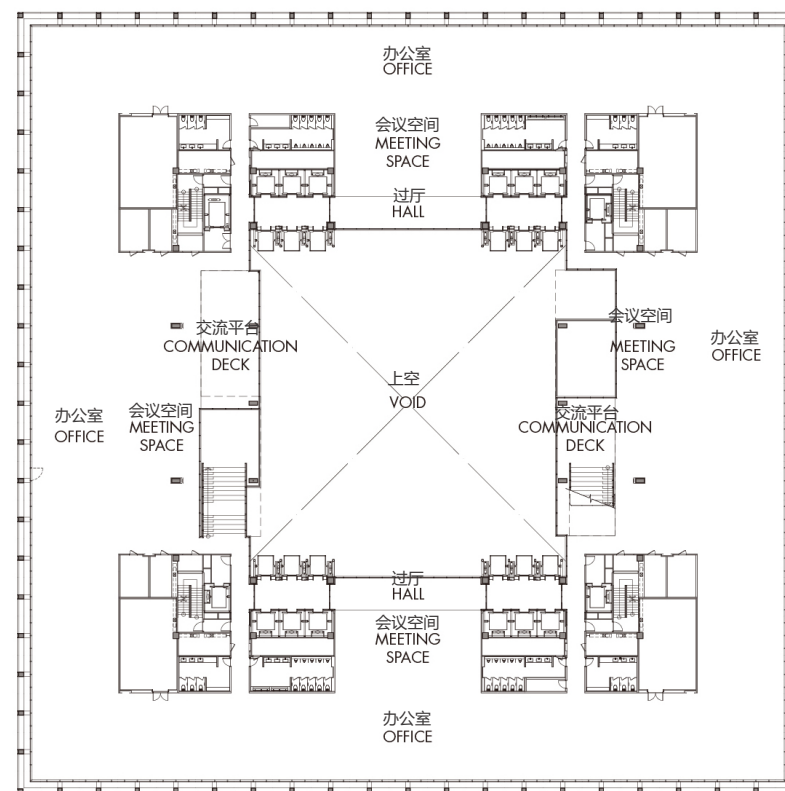
55,200

>

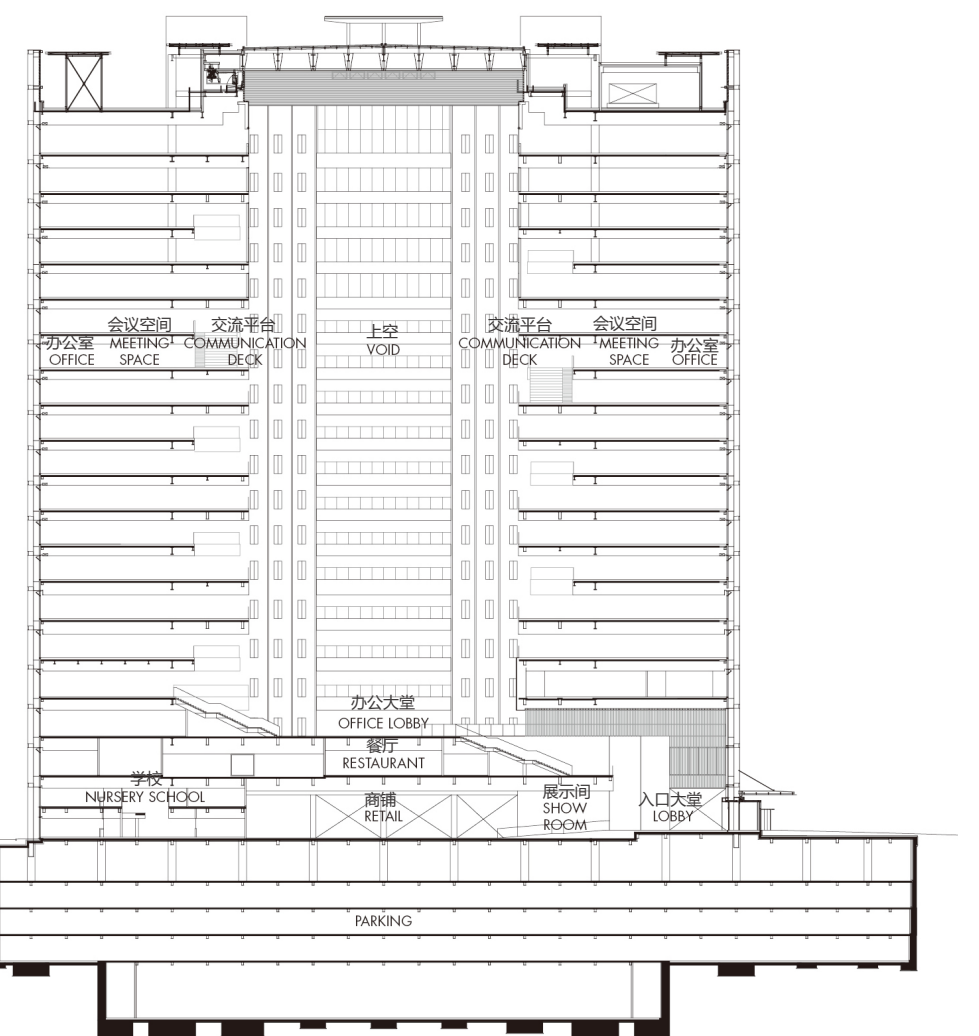


48,600

▲12%



标准层平面图
Standard floor plan



剖面图
Section plan



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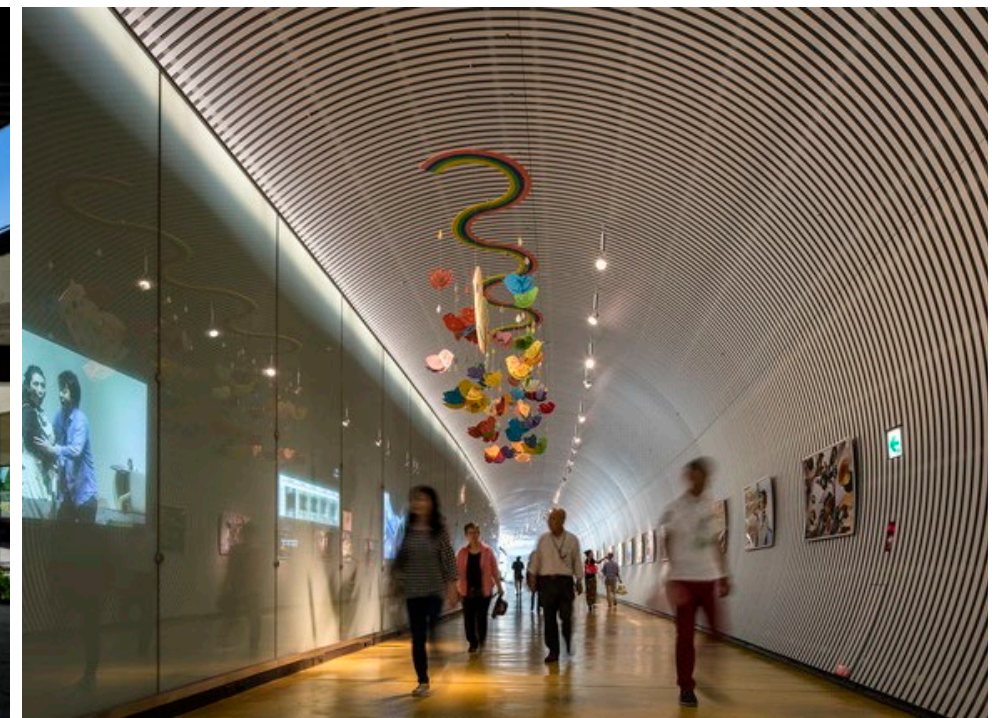
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深圳清华大学研究院新大楼
NEW BUILDING OF RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN

深圳清华大学研究院新大楼

NEW BUILDING OF RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN



“进阶的南山”

“Advanced Nanshan”

深圳清华大学研究院新大楼

New Building of Research Institute of Tsinghua
University in Shenzhen

项目地点：深圳，南山区

用地面积：15,047.58 m²

总建筑面积：181,904.4 m²

设计单位：深圳市华阳国际工程设计股份有限公司

项目荣誉：

1. 第九届广东省建筑设计奖·建筑方案奖 公建类 三等奖
2. 荣获美国LEED 绿色建筑预认证最高等级- 铂金级
3. 荣获美国IDA 国际设计大奖- 荣誉奖
4. 深圳建筑设计奖- 一等奖
5. 第十九届深圳市优秀工程勘察设计奖- 优秀BIM 应用专项

深圳清华大学研究院新大楼

NEW BUILDING OF RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN



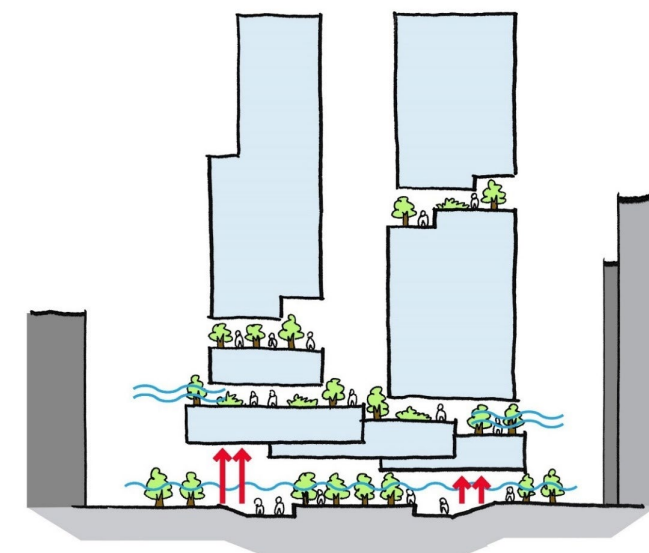
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NEW BUILDING OF RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN



项目采用双塔布局，最大化利用建筑高度，让出更多地面空间，缓解城市密度压力。同时，双塔采用对角线布局，避免互相对视，同时避让周边建筑，形成良好的视线通廊和城市空间格局。

The project adopts a dual tower layout, maximizing the use of building height, freeing up more ground space, and alleviating urban density pressure. At the same time, the twin towers adopt a diagonal layout to avoid mutual eye contact and avoid surrounding buildings, forming a good visual corridor and urban spatial pattern.



深圳清华大学研究院新大楼

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在建筑的垂直方向，设计了一系列绿化平台、生态花园、绿植阳台，为使用者提供了良好的、亲近自然的工作环境，倡导“高效的科研、快乐的创业”理念。与此同时，垂直方向的生态绿化为建筑提供了被动式节能手段，体现了当今绿色低碳的环保理念，创造智慧型绿色建筑。

In the vertical direction of the building, a series of green platforms, ecological gardens, and green balconies are designed to provide users with a good and natural working environment, advocating the concept of "efficient scientific research and happy entrepreneurship". At the same time, vertical ecological greening provides passive energy-saving means for buildings, reflecting the current green and low-carbon environmental protection concept, and creating smart green buildings.

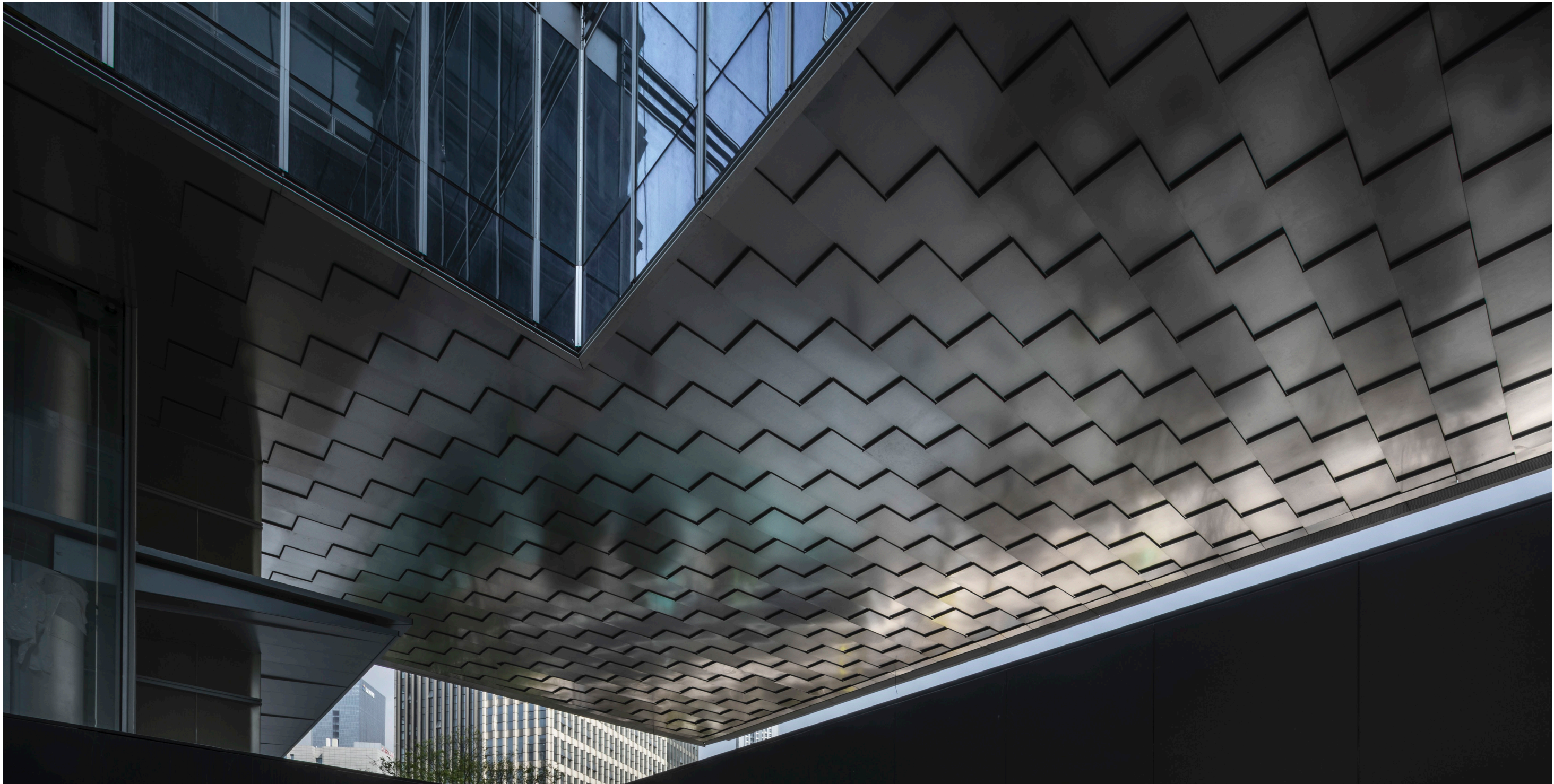
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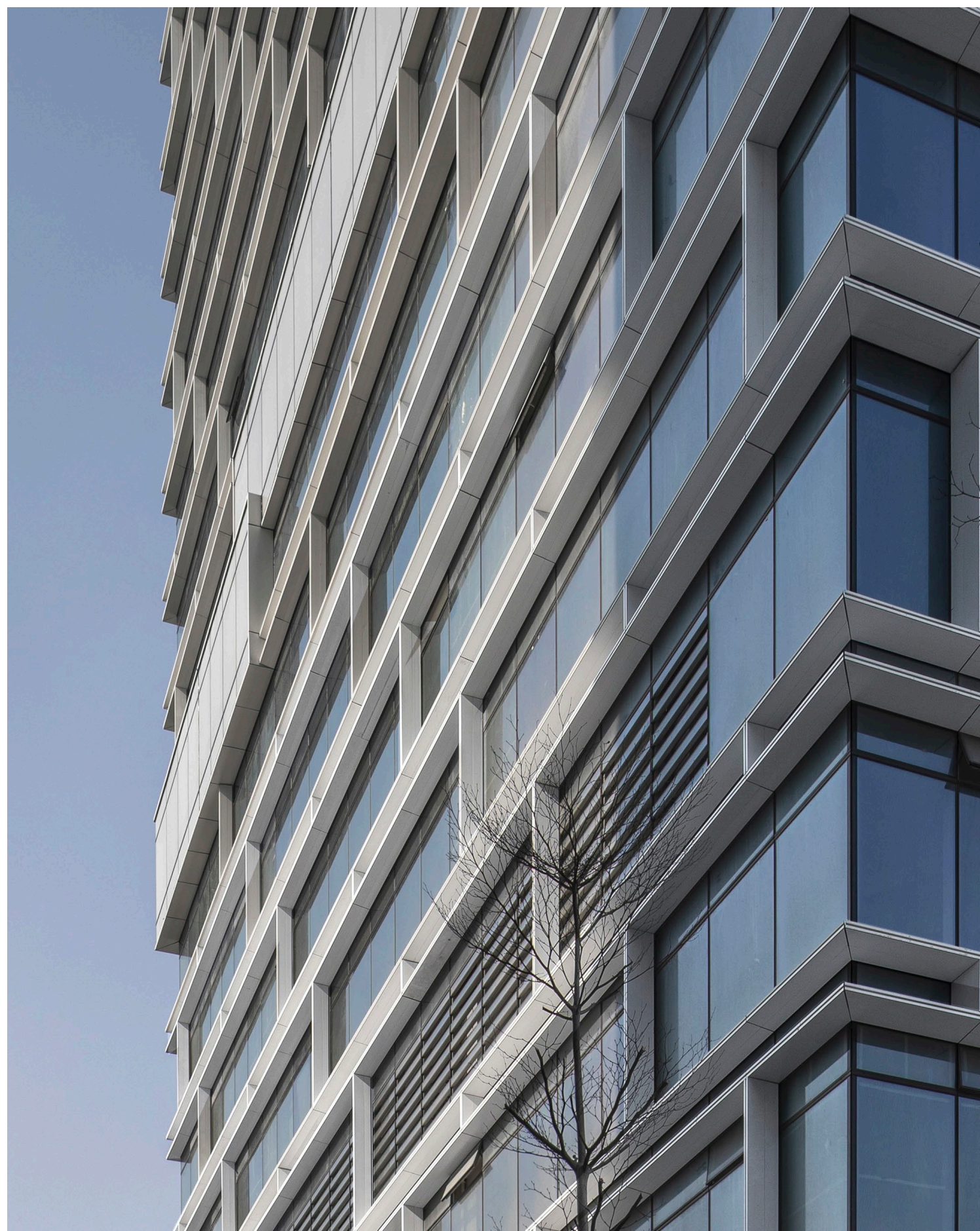


裙楼科研实验空间层高6~7 米，满足不同实验类型的空间需求。科研实验空间室内公共走道采用调光玻璃，既能满足科研成果的保密要求又能满足展示参观的需求。塔楼科研空间每三层设置通高中庭，有利于跨楼层的共享活动，也能提供学术交流空间。

The research and experimental space in the podium has a height of 6-7 meters, meeting the spatial needs of different types of experiments. The indoor public walkway of the scientific research experimental space adopts dimming glass, which can meet the confidentiality requirements of scientific research achievements and the needs of display and visit. The research space in the tower is equipped with a high rise atrium every three floors, which is conducive to shared activities across floors and also provides a space for academic exchange.

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建筑外立面采用三银Low-E中空玻璃，具有独特的膜层结构，兼顾高透光、低传热的节能性能，最大程度的减少夏季供电负荷，降低空调运行的能耗。空调系统采用溶液除湿新风系统，温湿度独立控制，节能且室内空气质量好。

The exterior facade of the building is made of three silver Low-E hollow glass, which has a unique membrane structure and combines high transparency and low heat transfer with energy-saving performance, minimizing summer power supply load and reducing energy consumption during air conditioning operation. The air conditioning system adopts a solution dehumidification fresh air system, with independent temperature and humidity control, energy-saving, and good indoor air quality.

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环境分析

ENVIRONMENTAL ANALYSIS



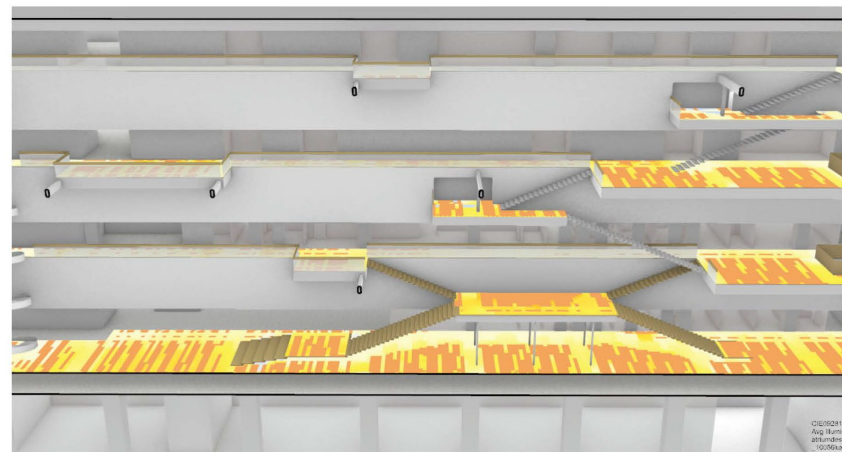
热分析

■ Heat Analysis



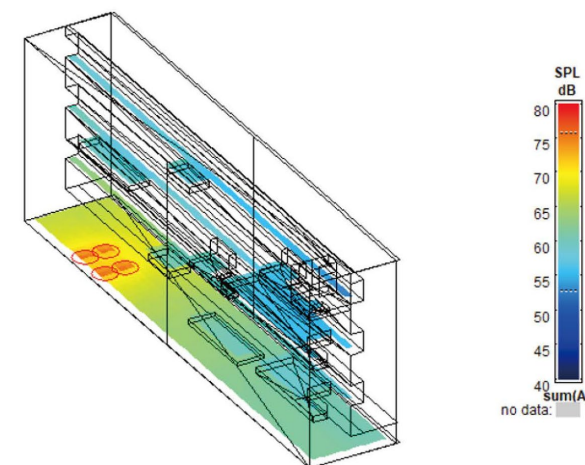
日照分析

■ Daylighting Analysis



声学分析

■ Acoustics Analysis



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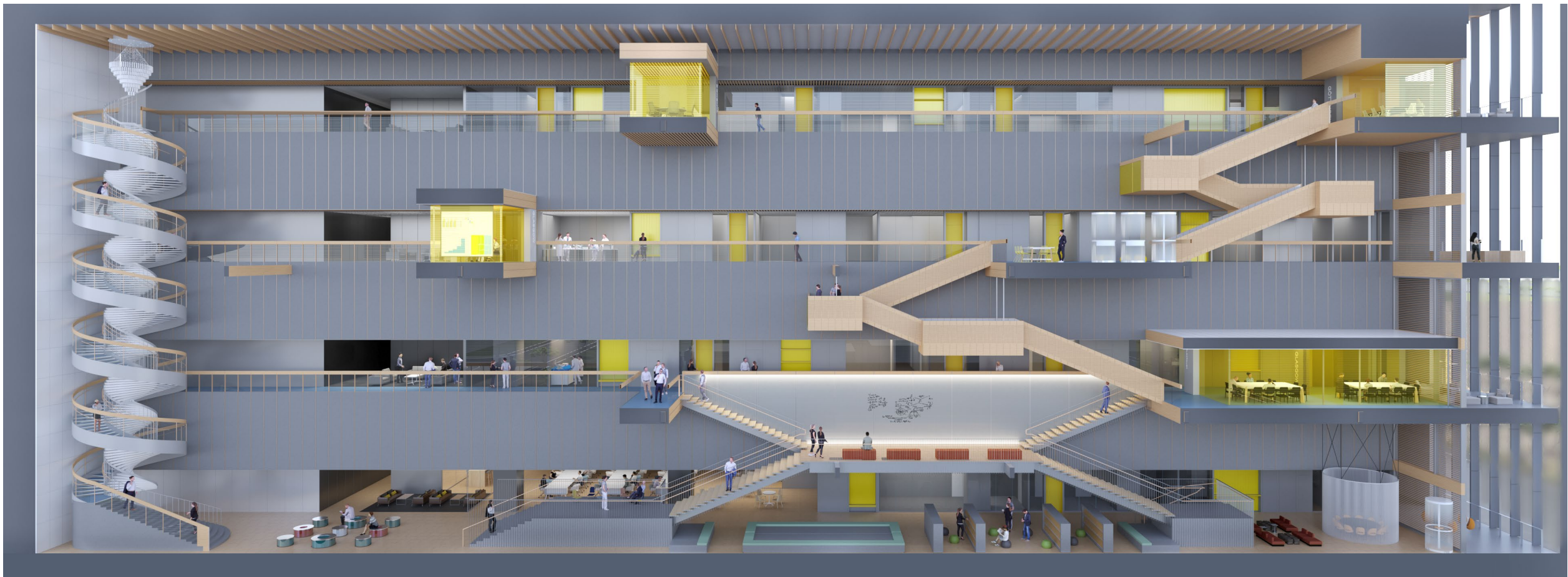
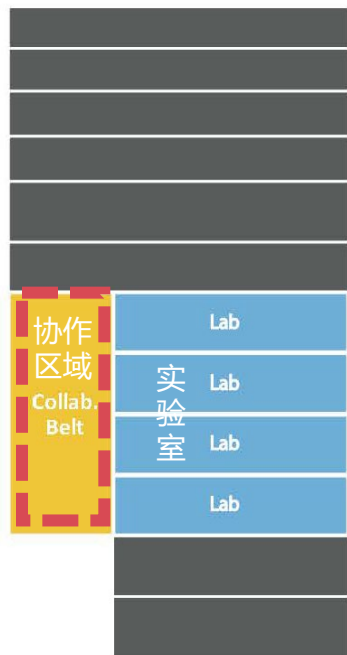


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协作区域
■ Collaboration Belt

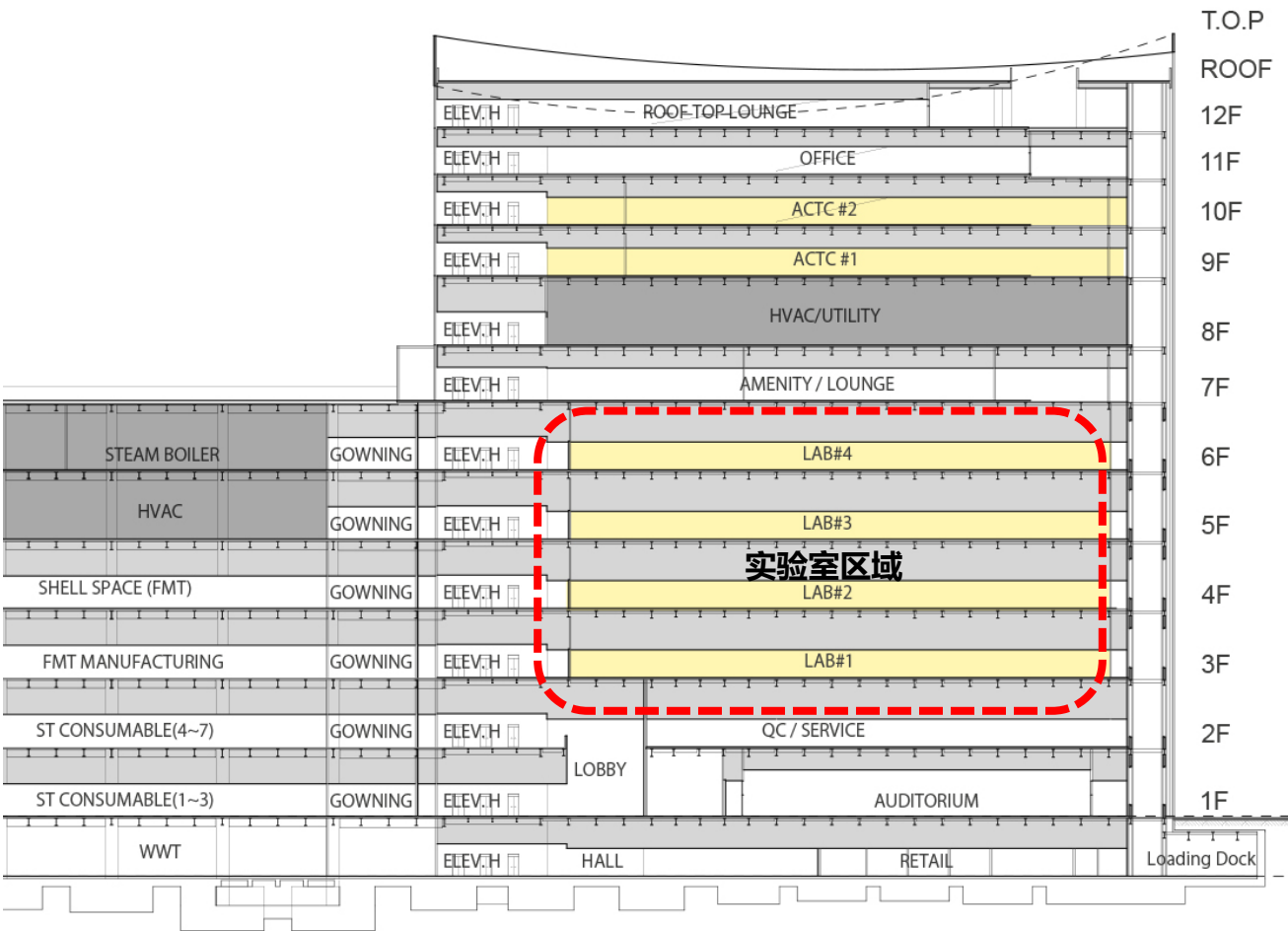


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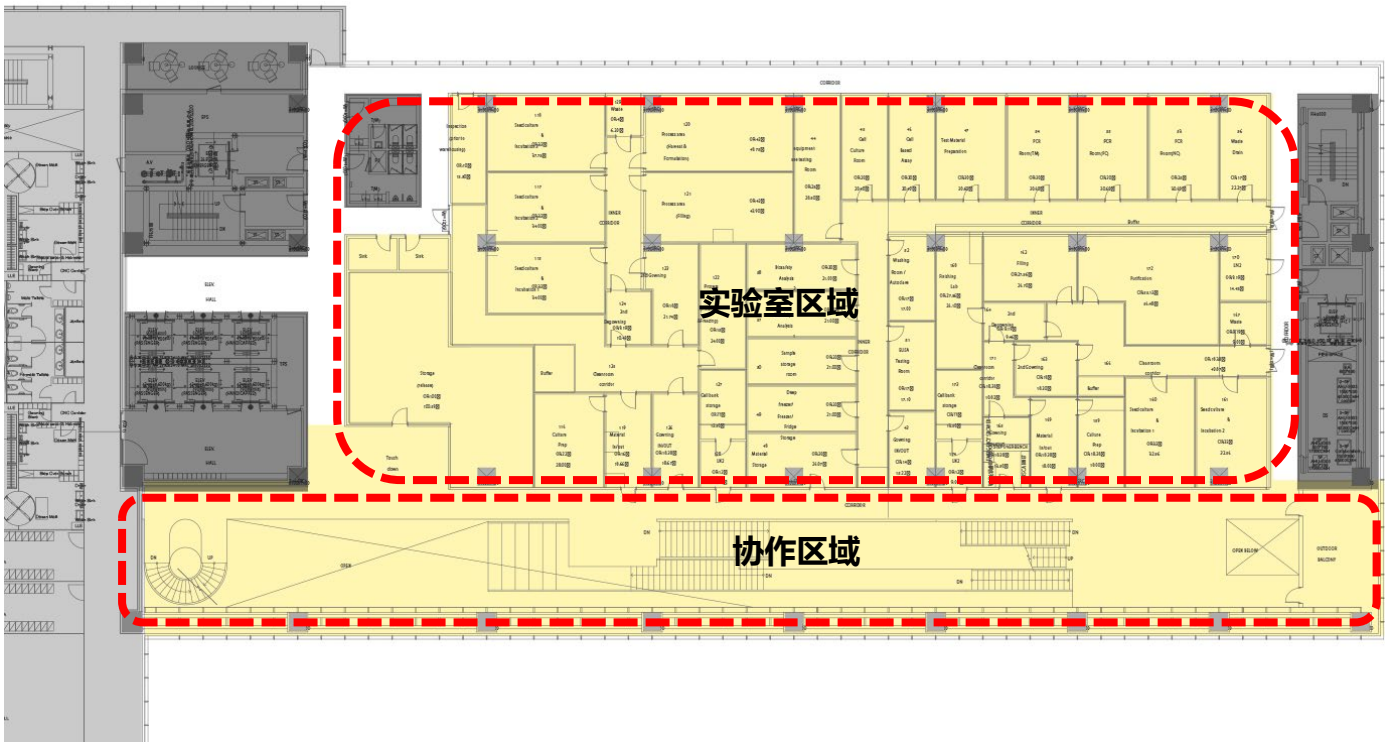
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建筑剖面-多功能塔楼
Building Section – Multi-Use Tower



标准层平面-多功能塔楼
Typical Plan – Multi-Use Tower



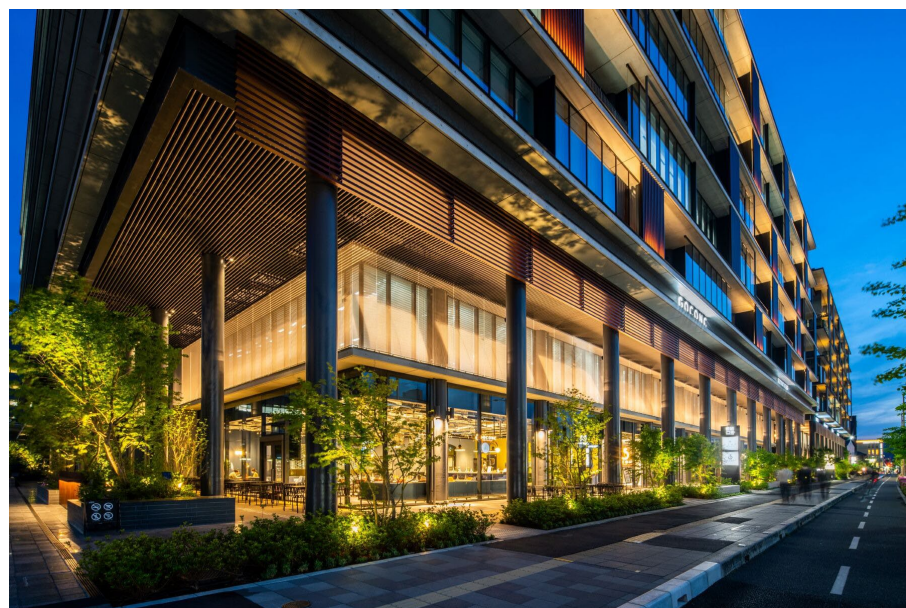
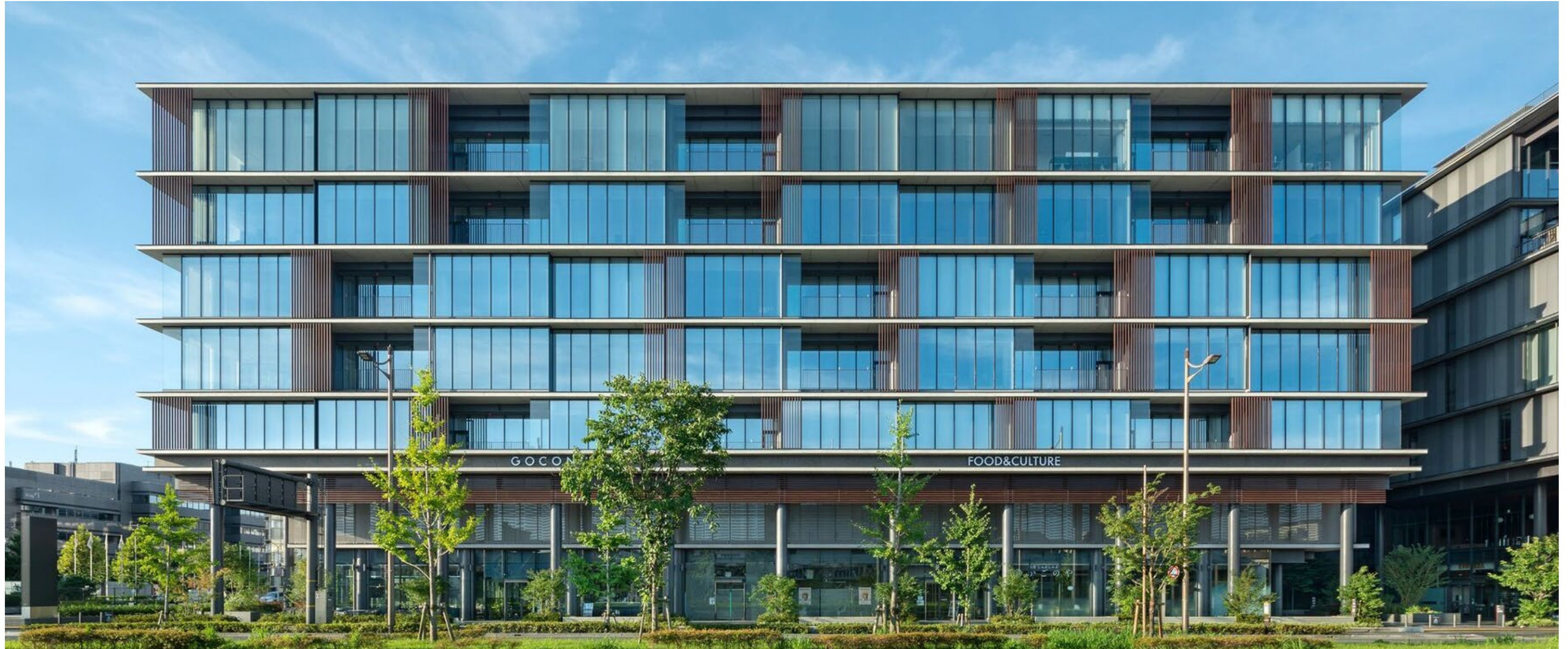
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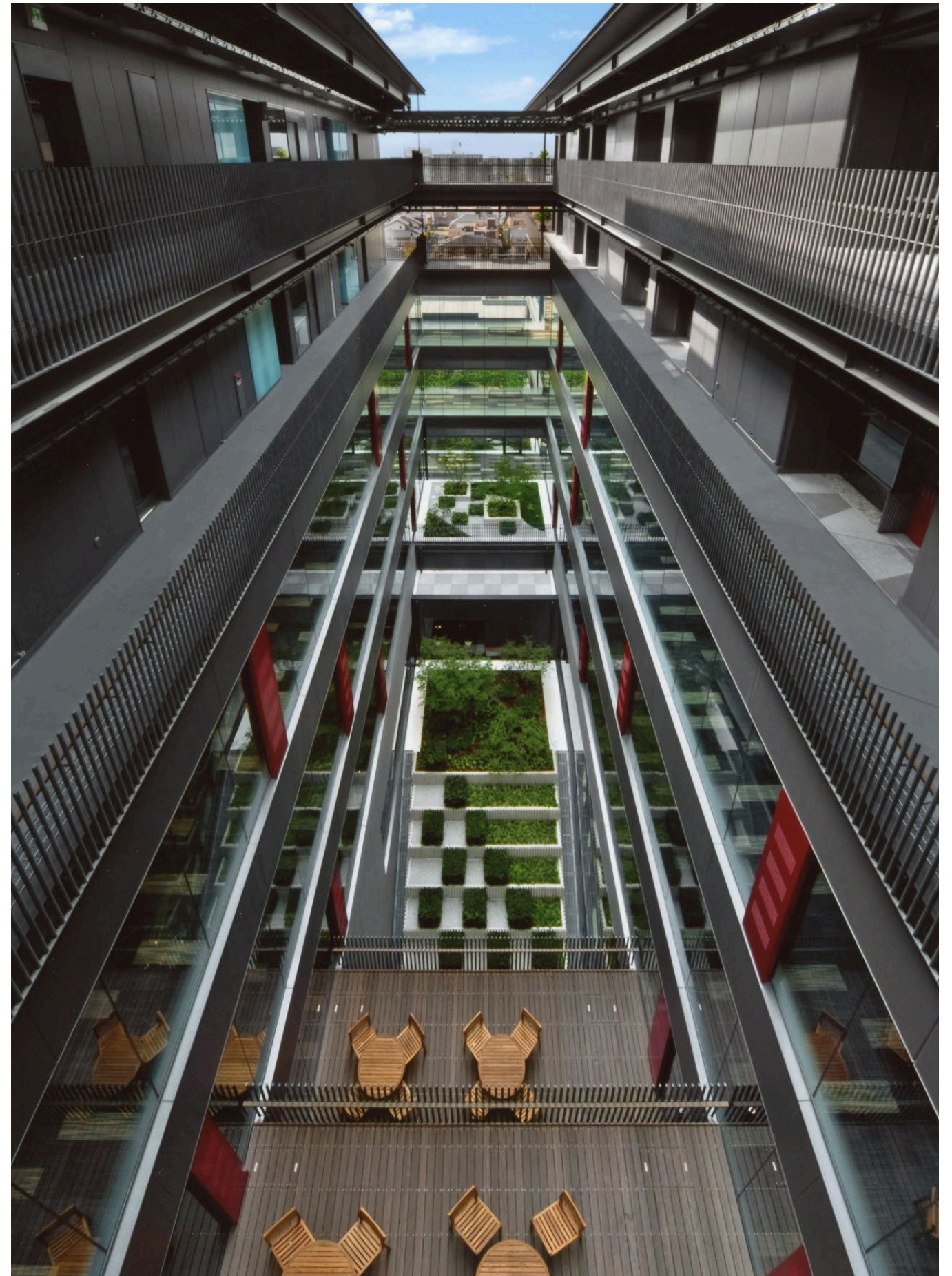


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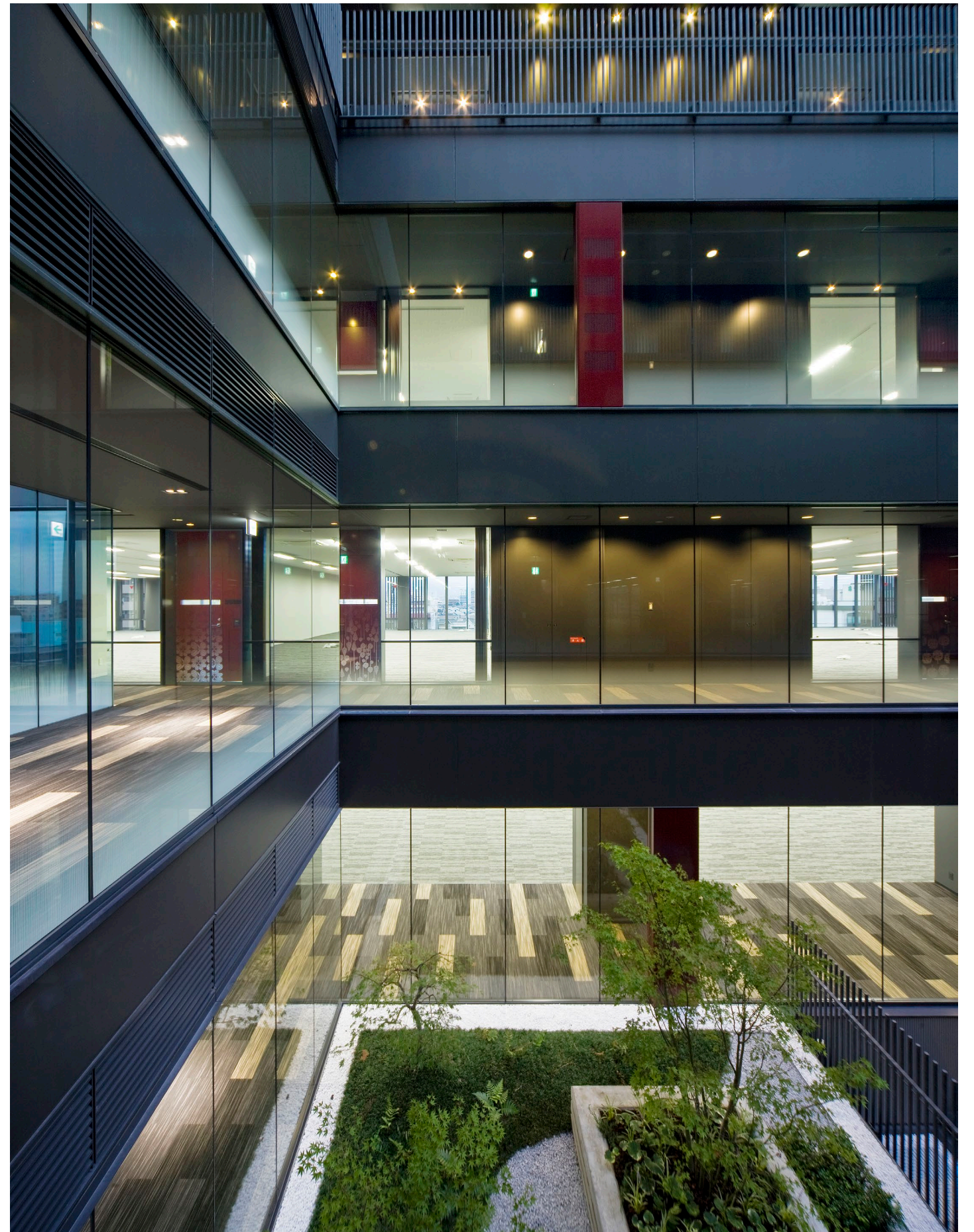
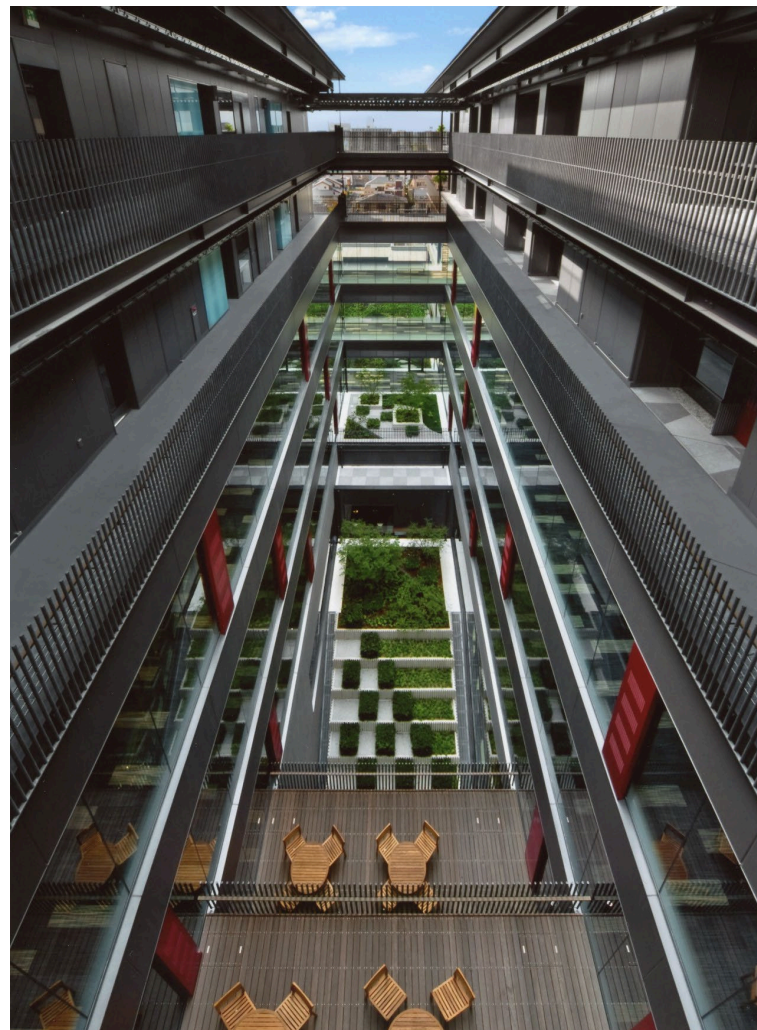
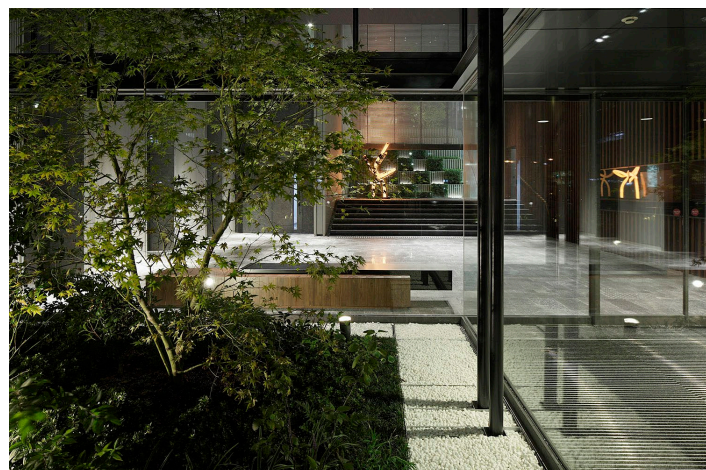
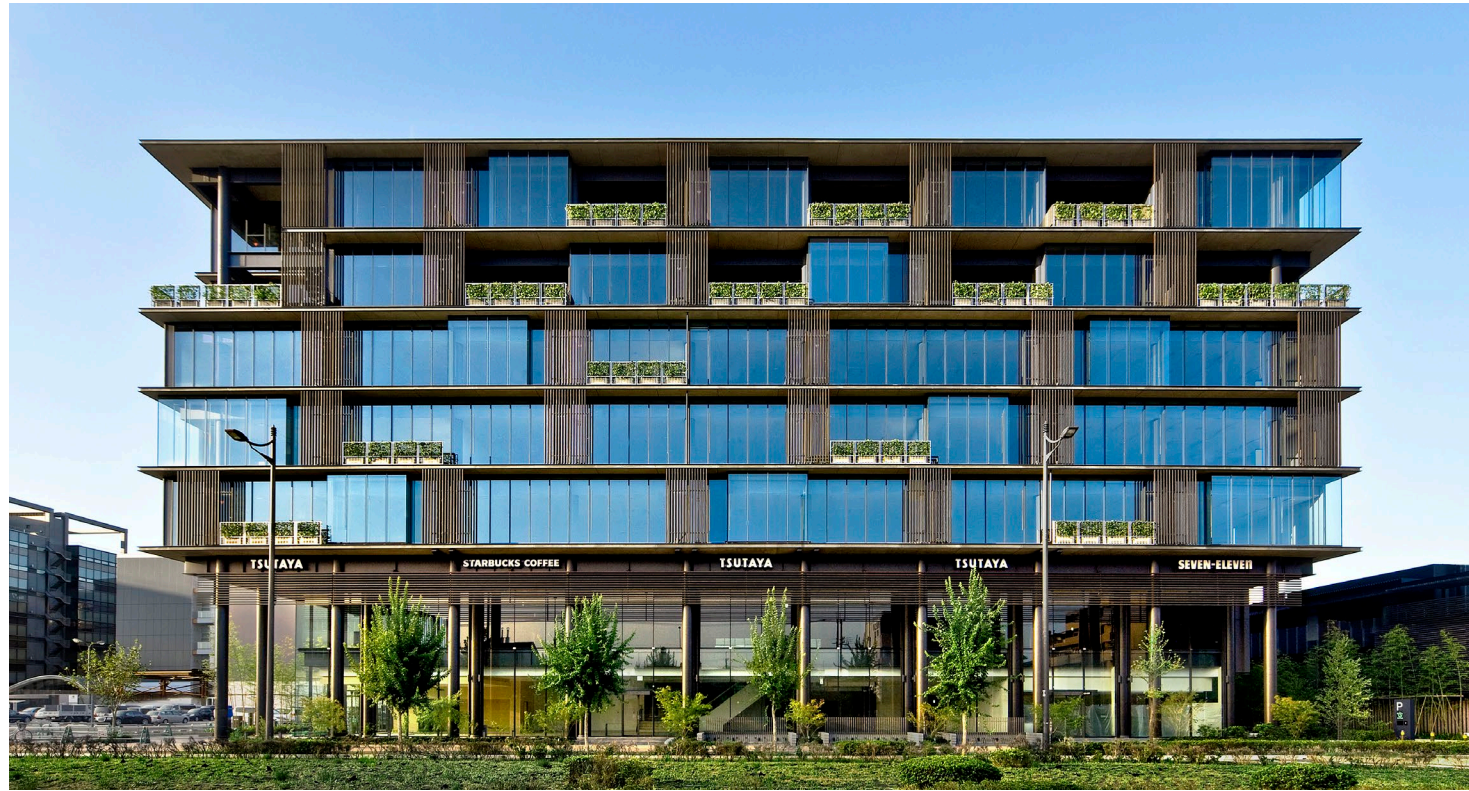
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