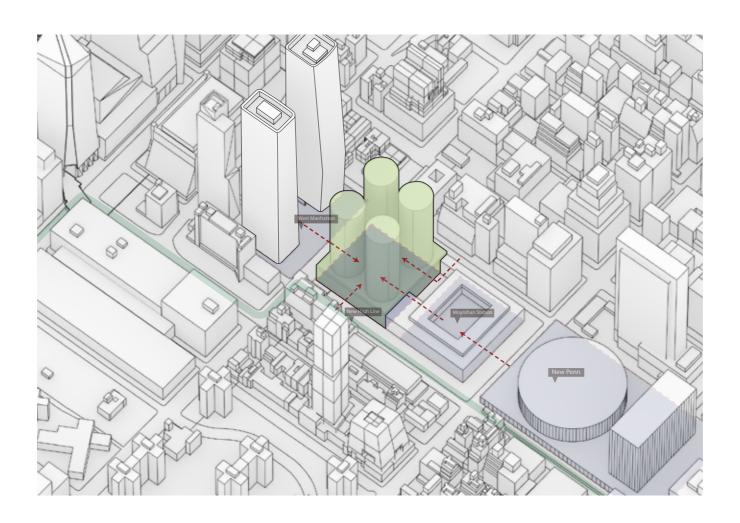
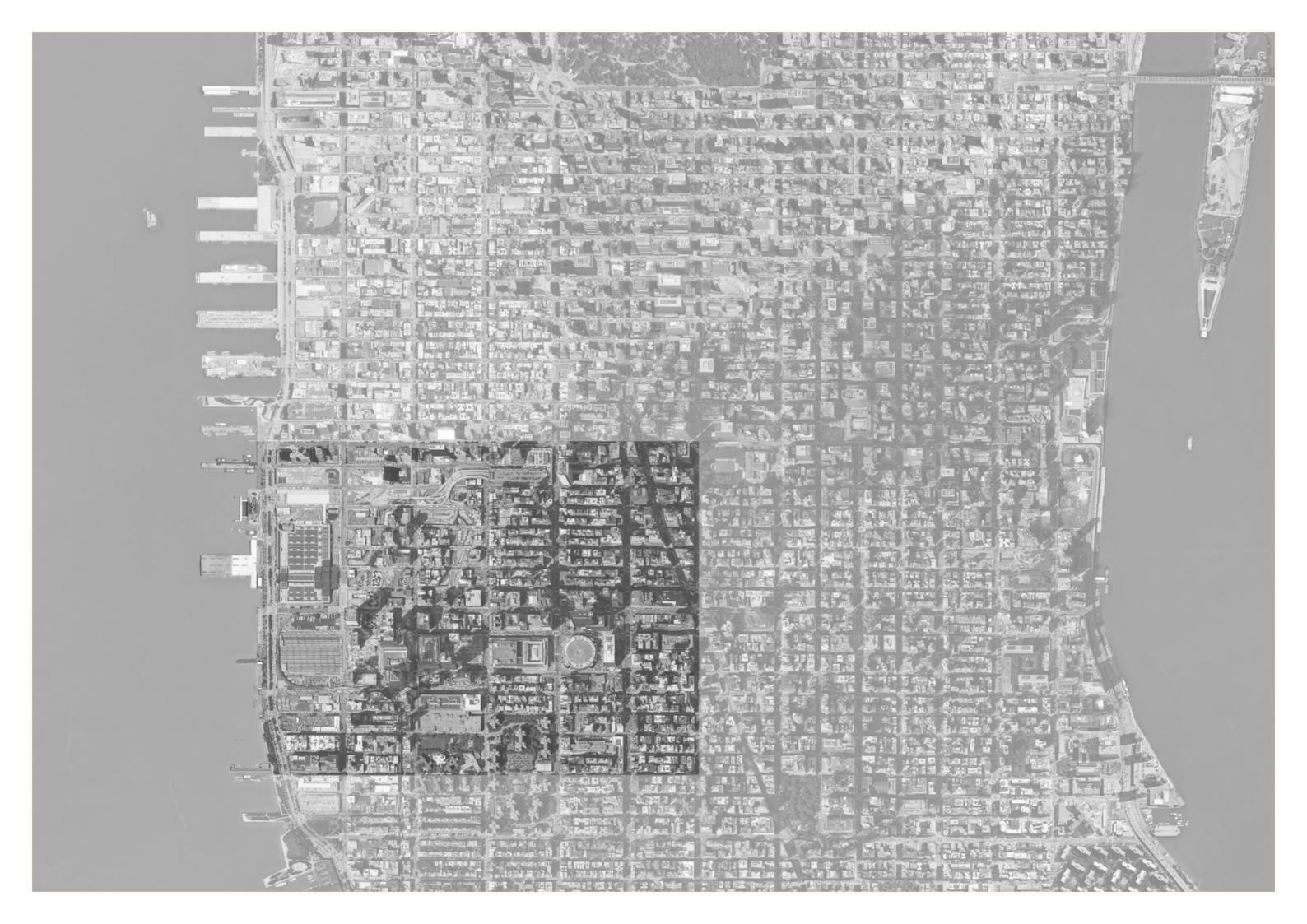
## **NY WONDERLAND**

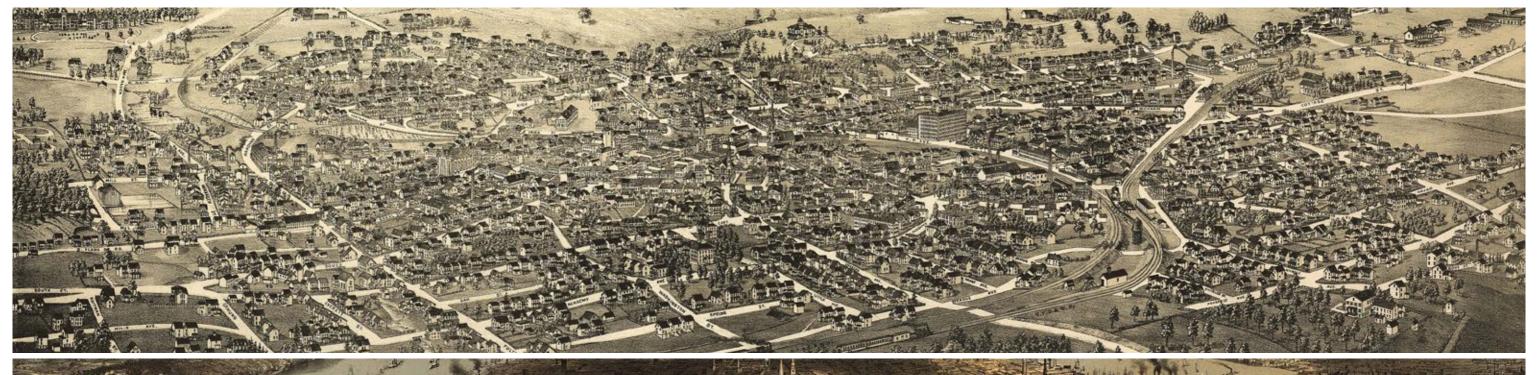
Reconstruction of Farley Building, New York Manhattan

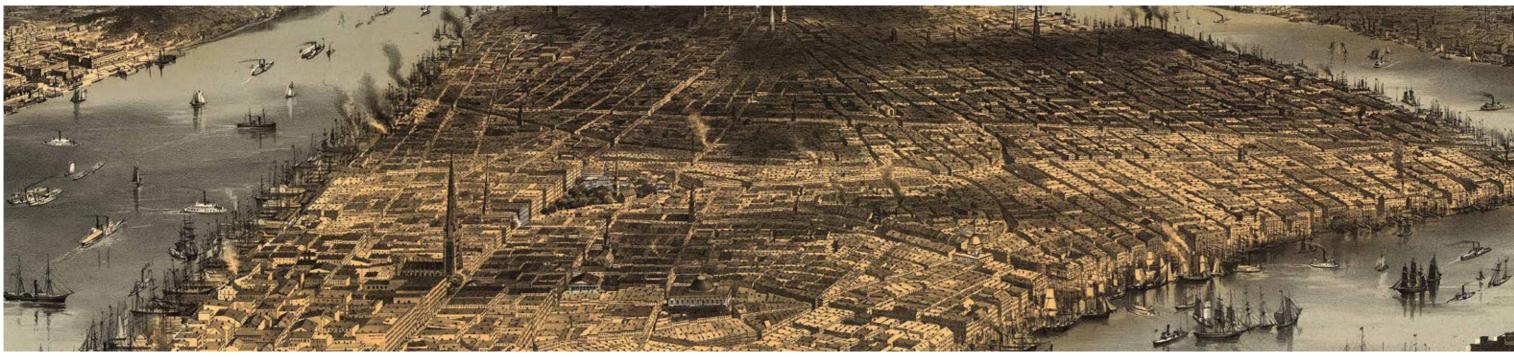




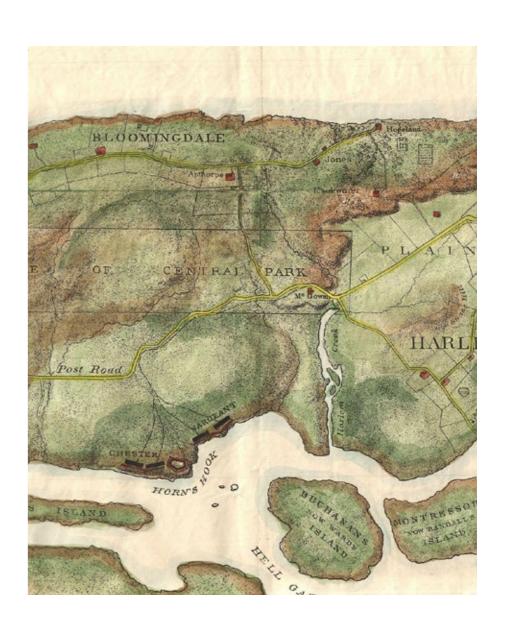
Zhuyan Shan 4924215 P5.0 Jun 2021



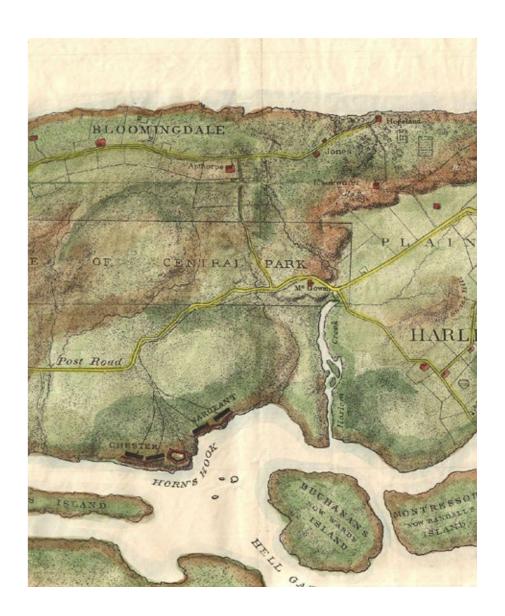




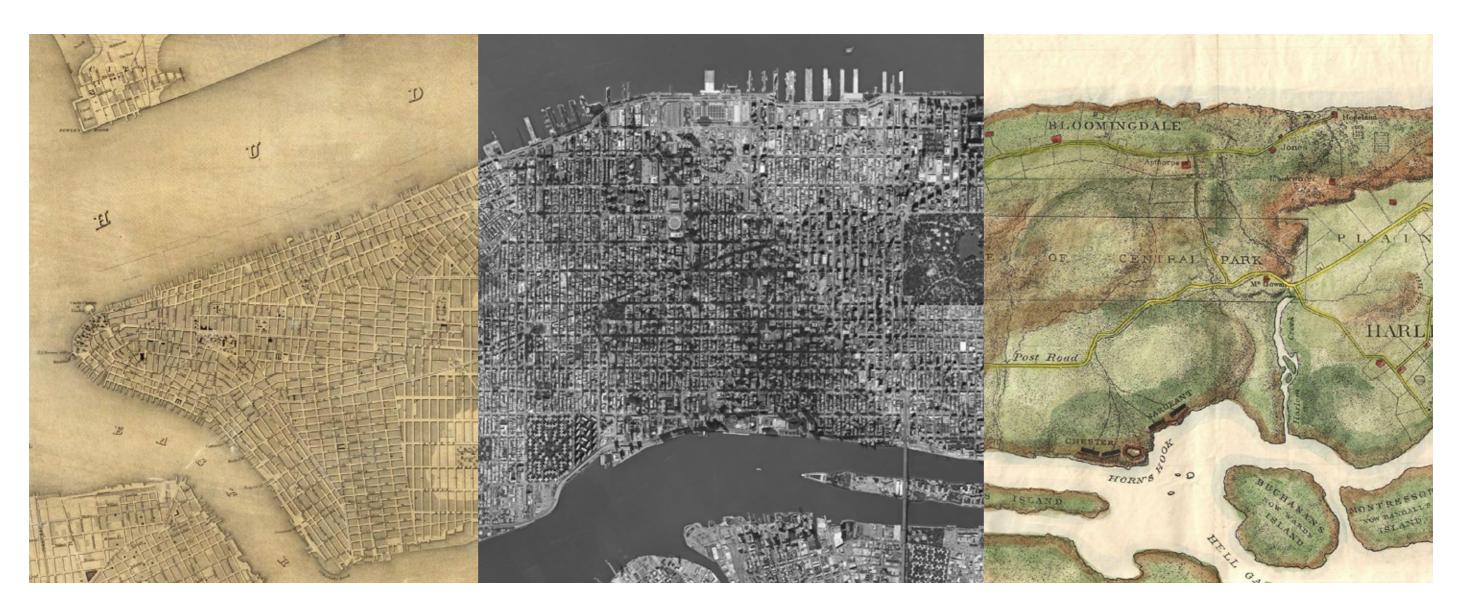




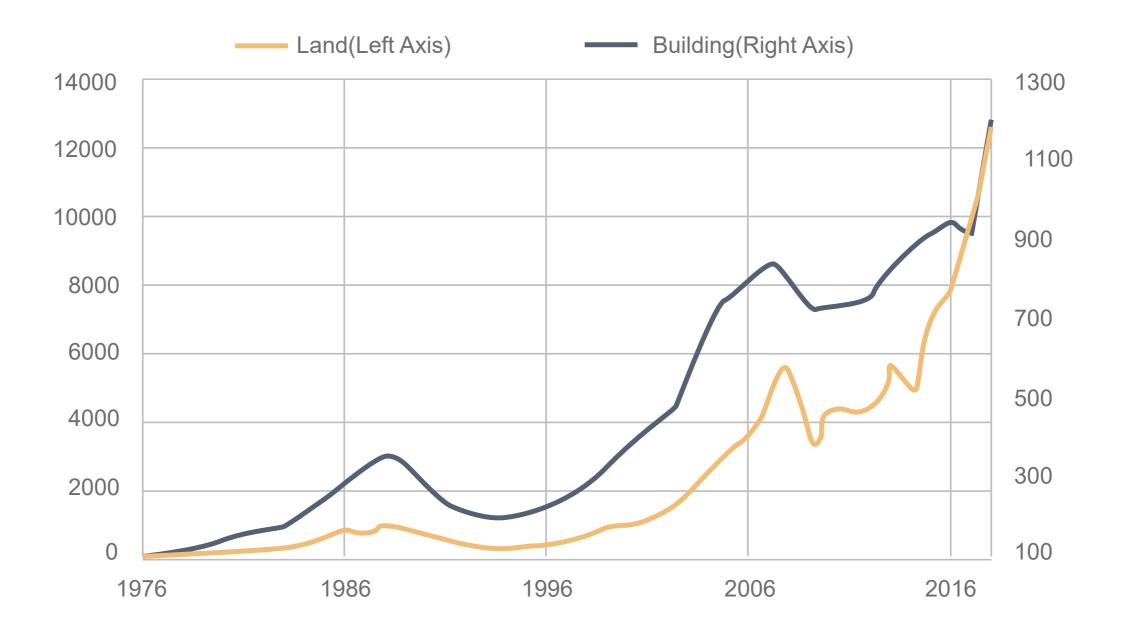




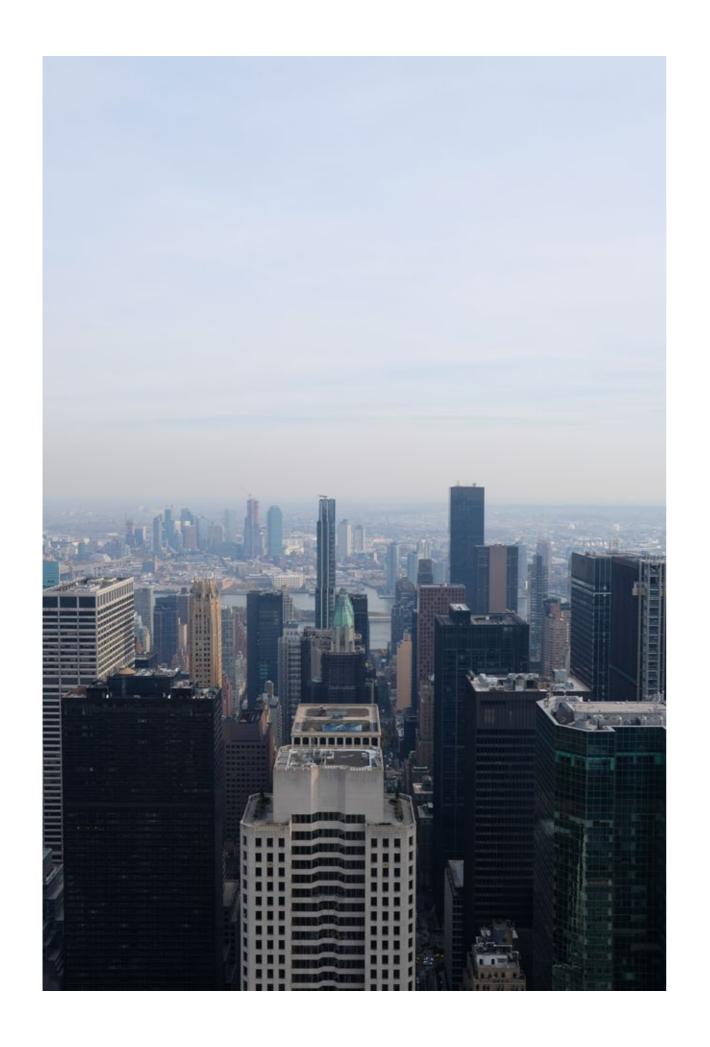
1836 1776

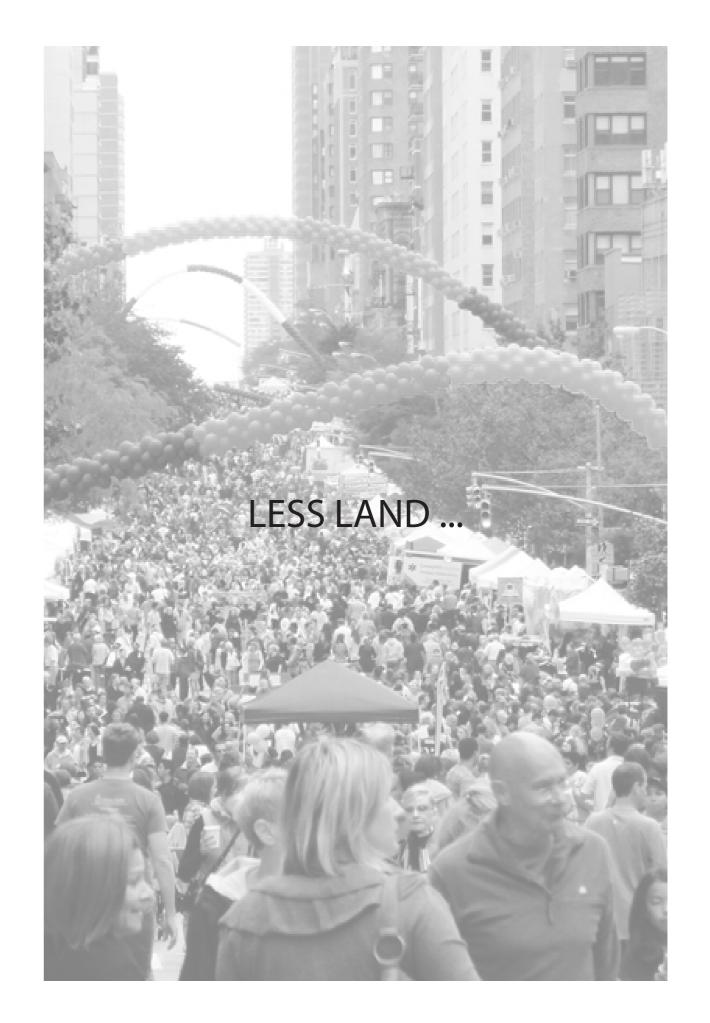




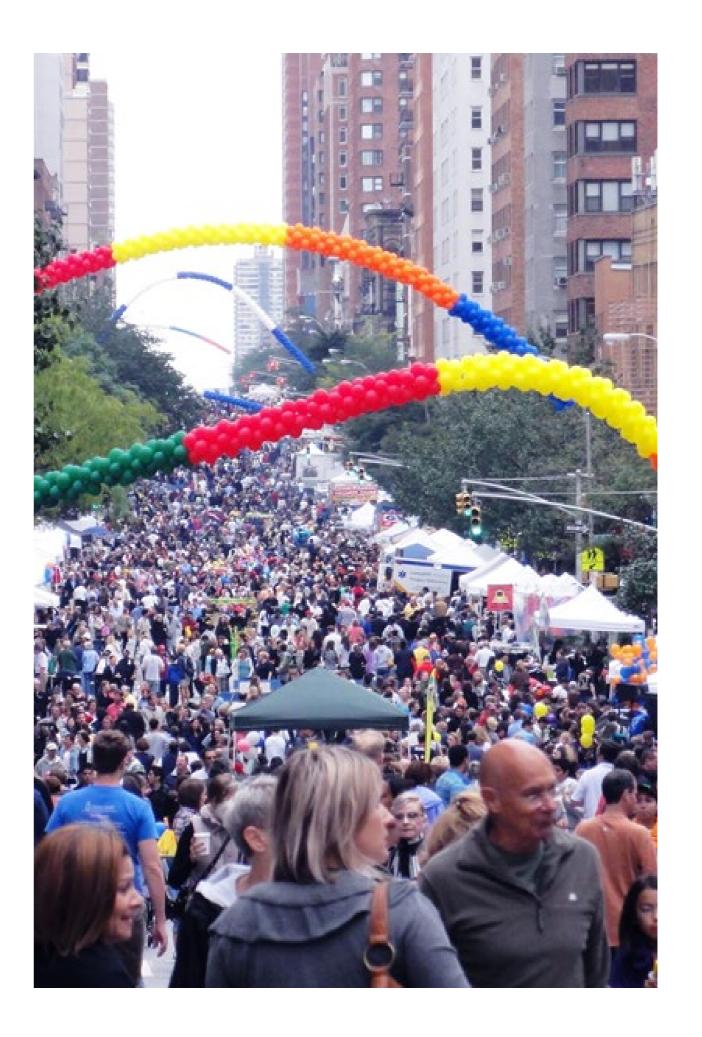


LAND VALUE AND BUILDING VALUE IN NY







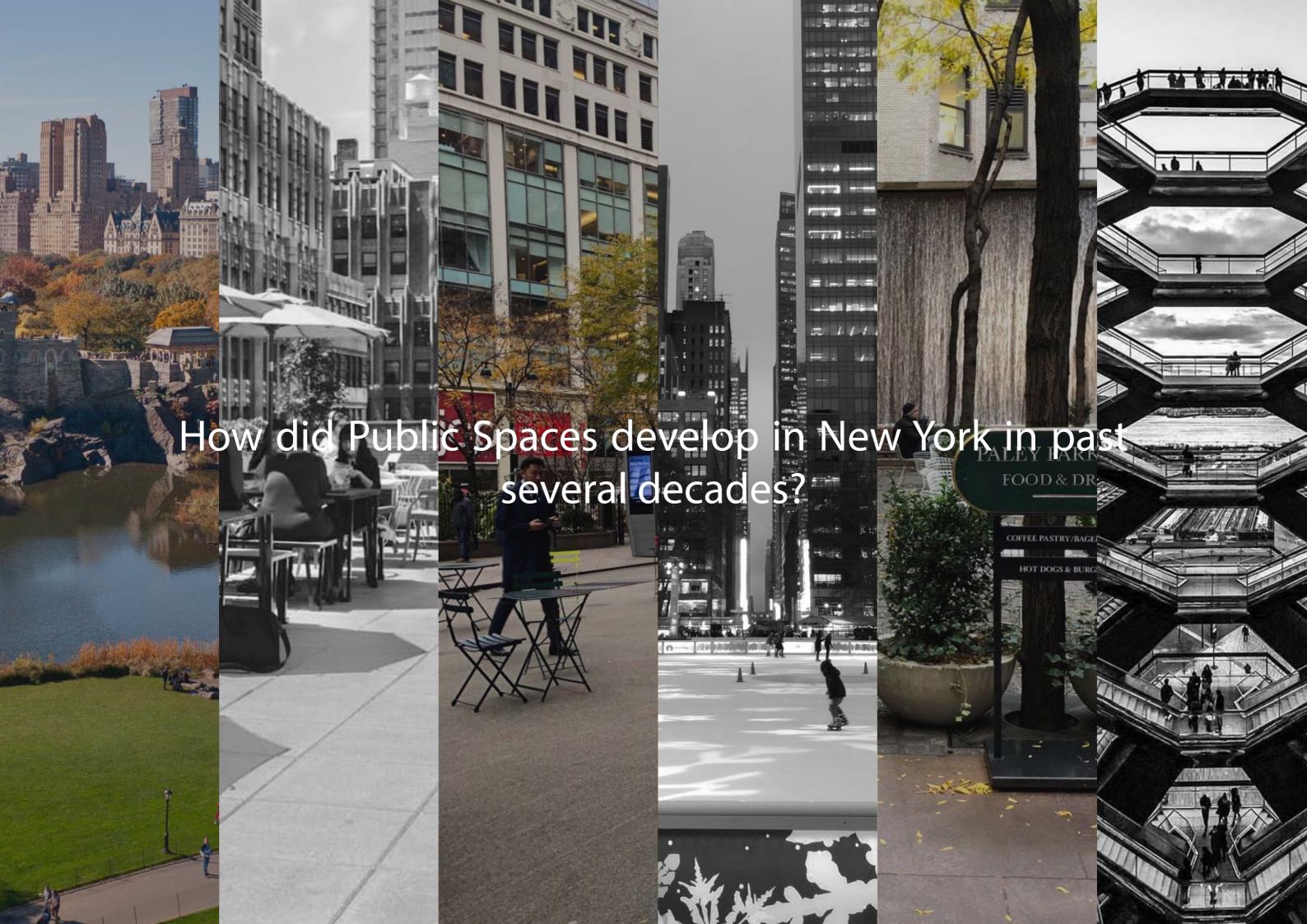


## Research Question

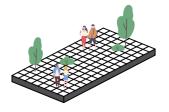
How and where can public spaces be integrated in the future city, considering the highly densified urban environment such as New York?

## **RESEARCH & ANALYSIS**



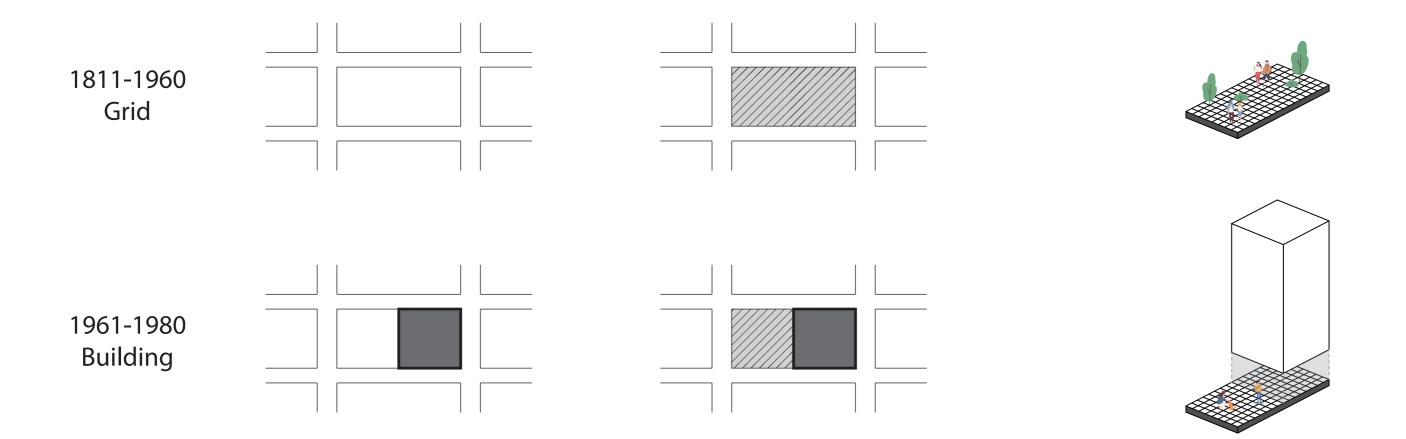


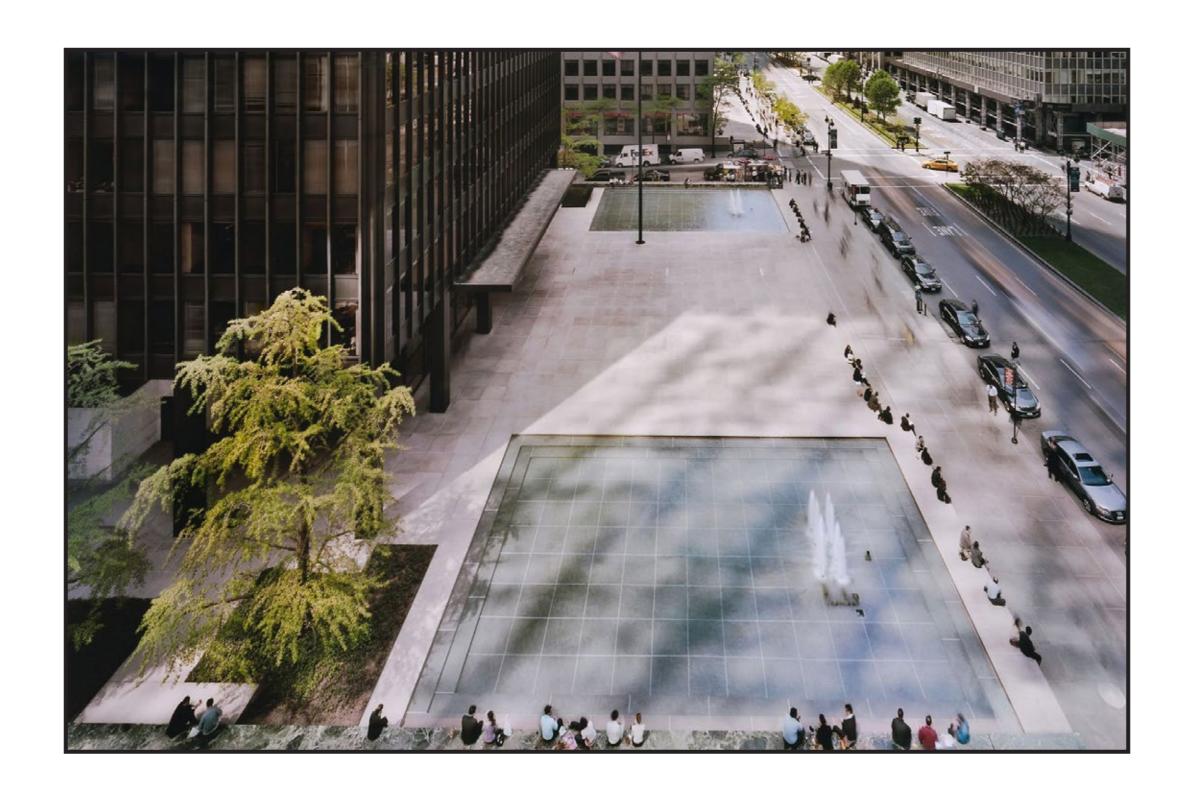




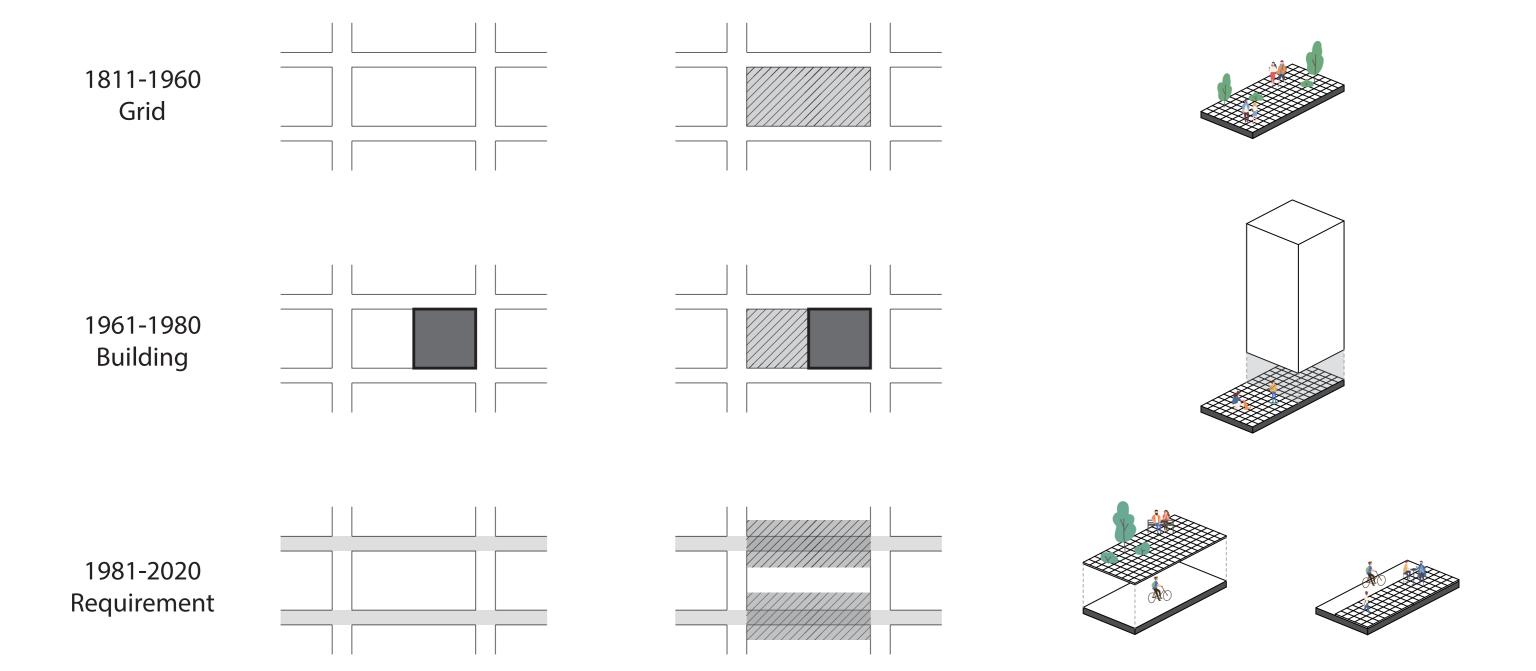


Central Park 1850



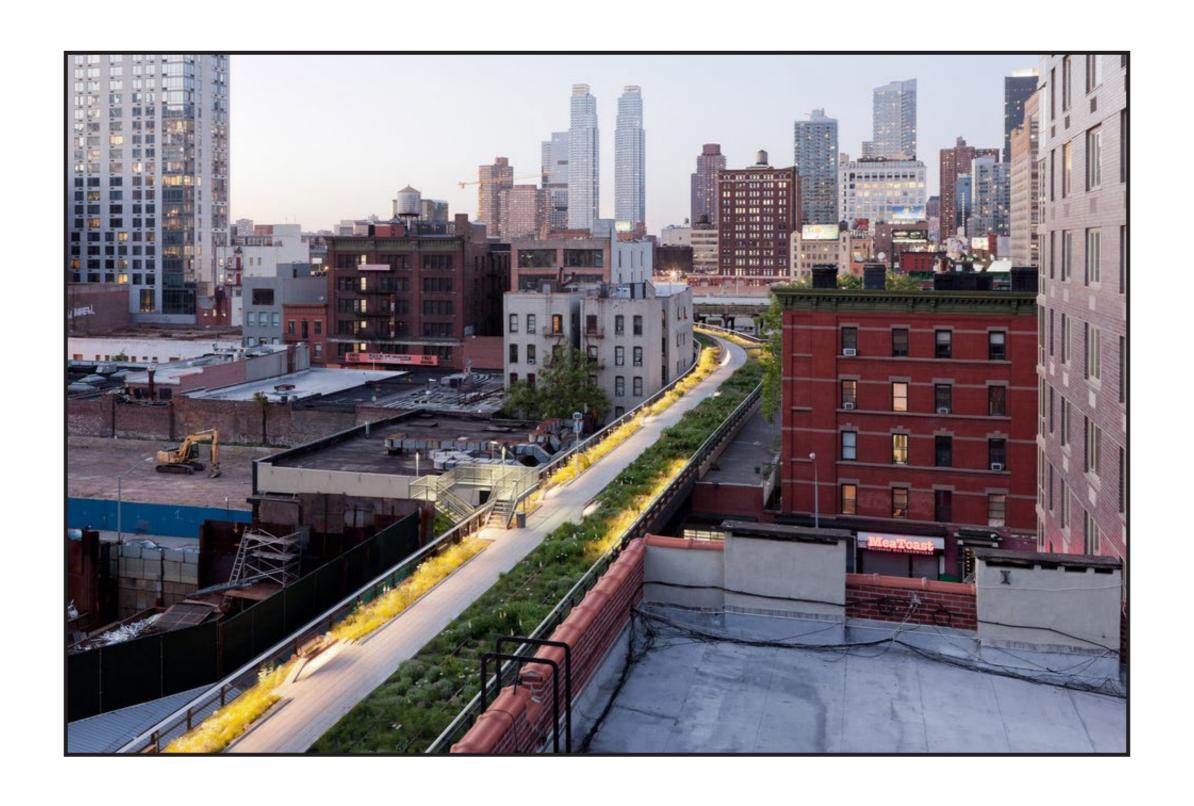


Seagram Building Square 1958

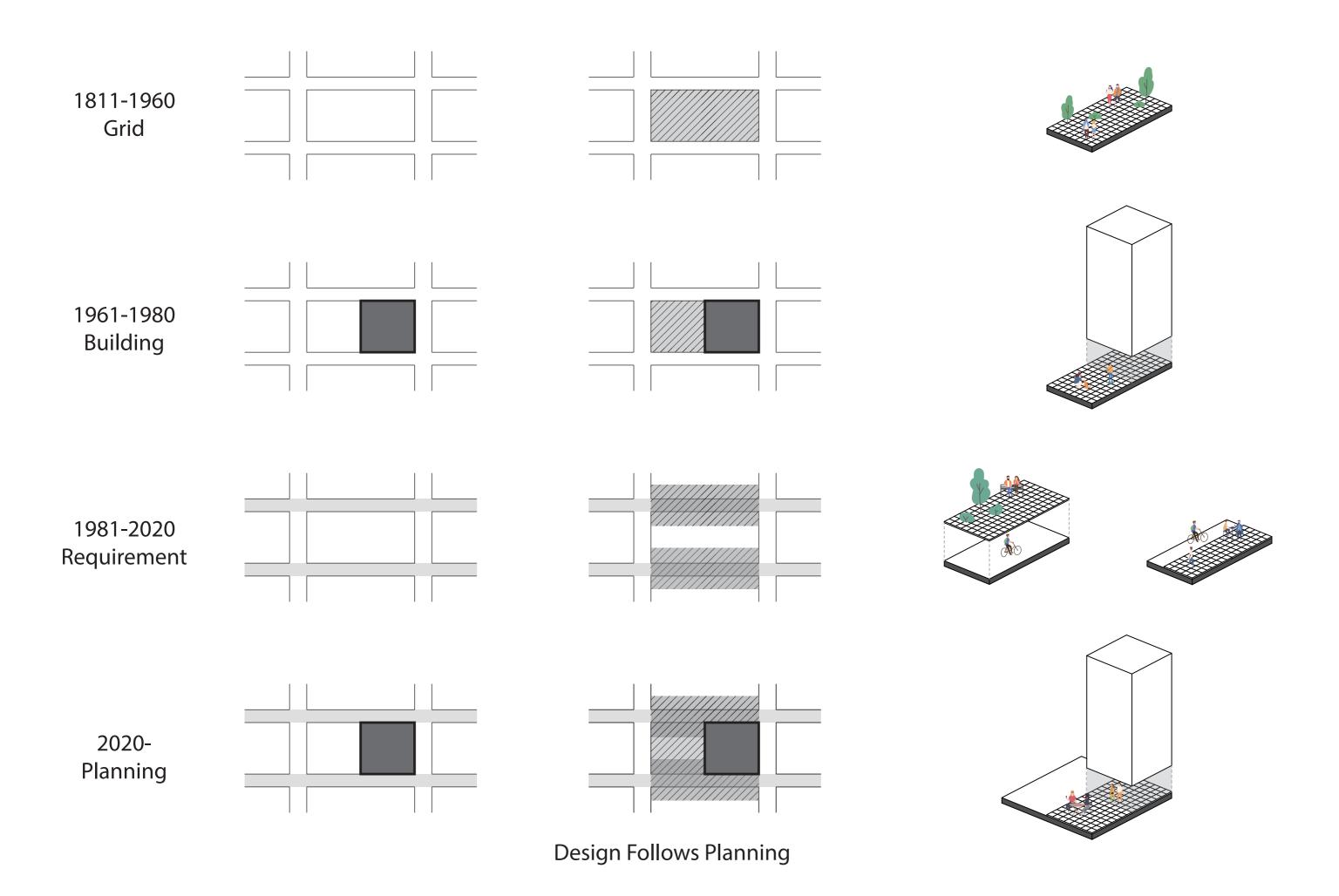




High Line Before Renovation 1985

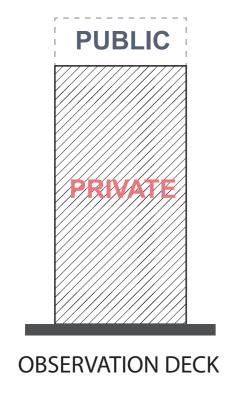


High Line After Renovation 2012

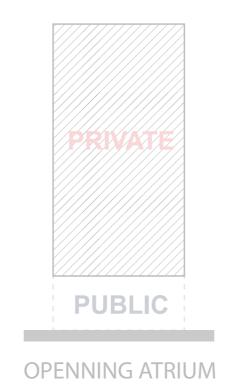




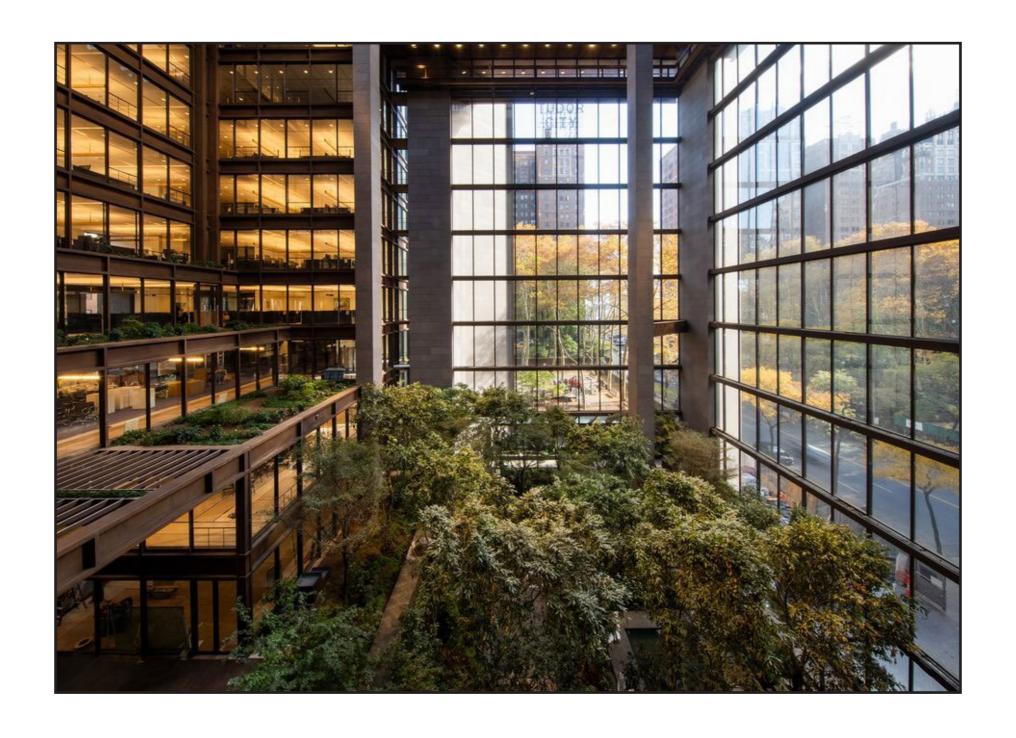
ROCKFELLER CENTER



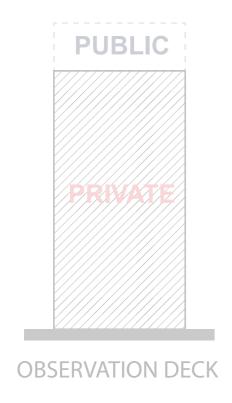
Since Skyscraper

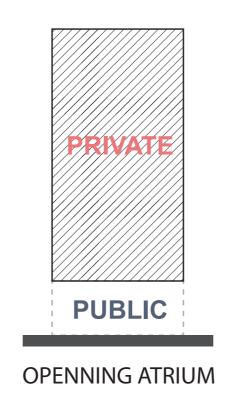






FORD FOUNDATION BUILDING







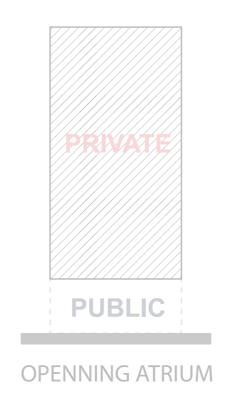
**PUBLIC** 

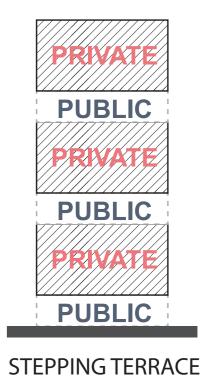
Since 1960

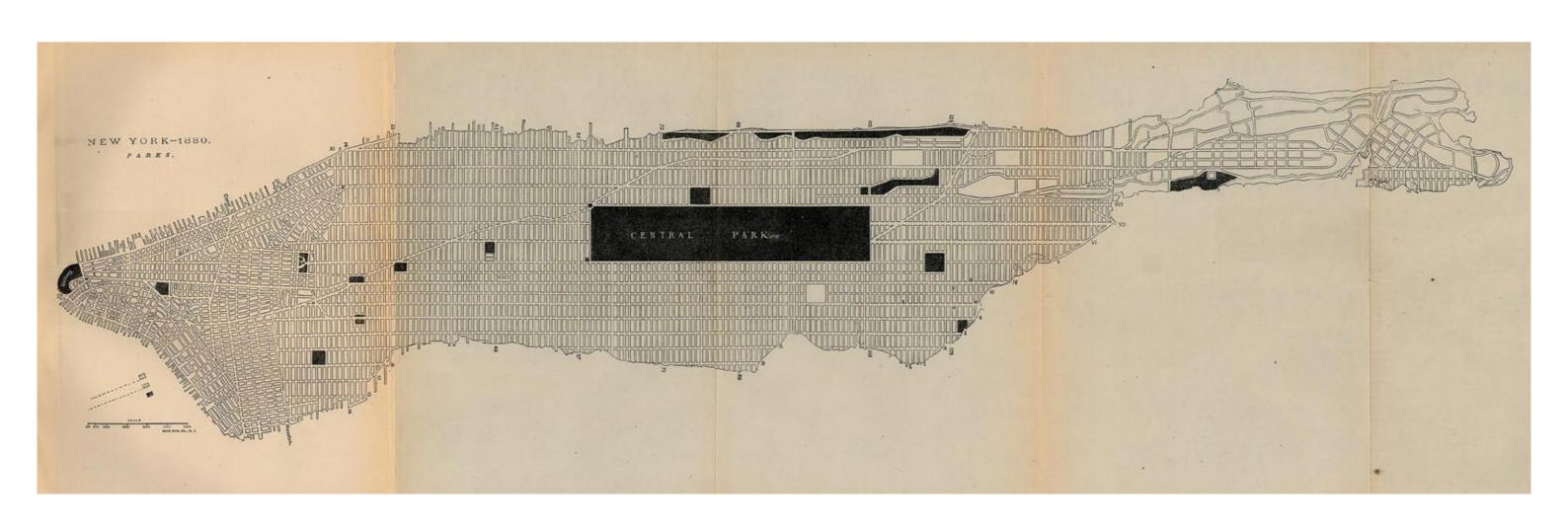


2 WORLD TRADE CENTER, BIG

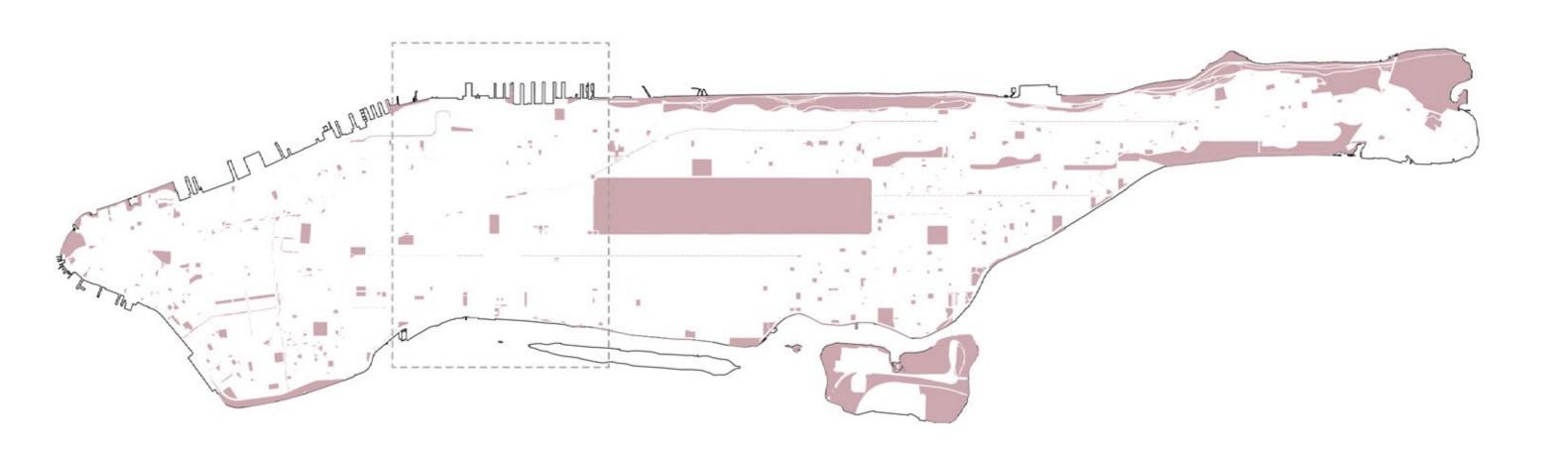




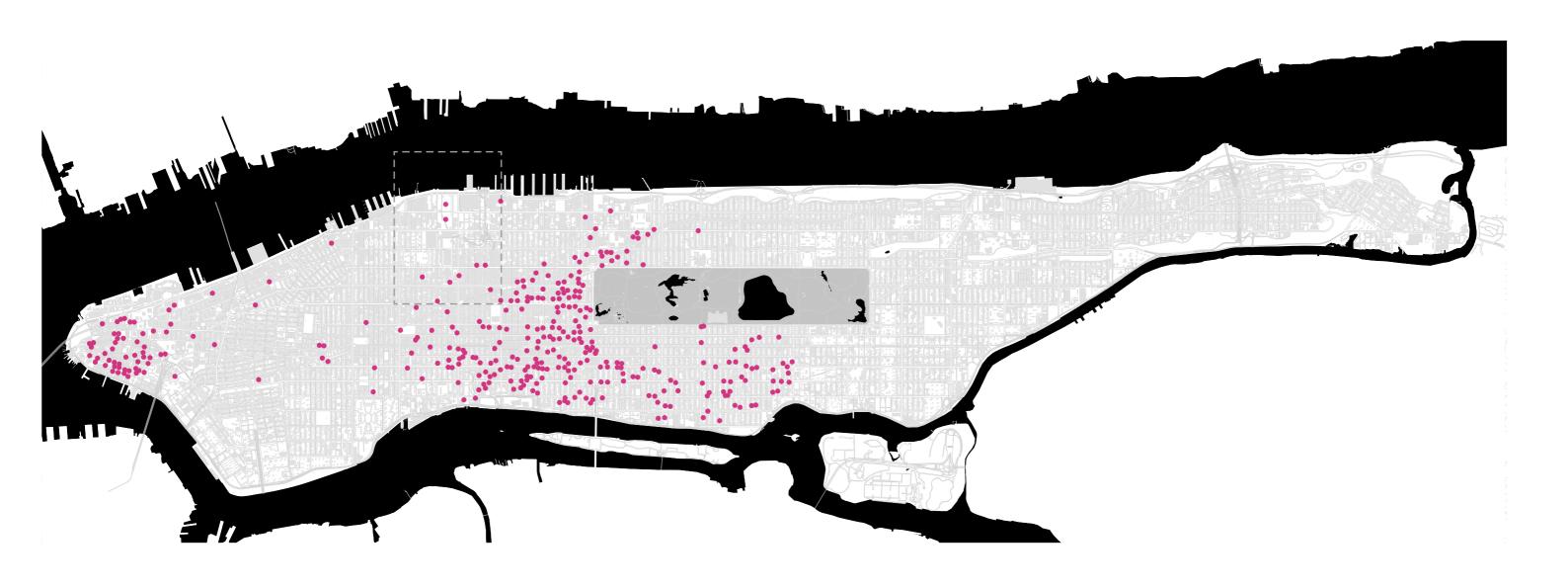




New York Parks Mapping 1880



New York Public Space Mapping 2019



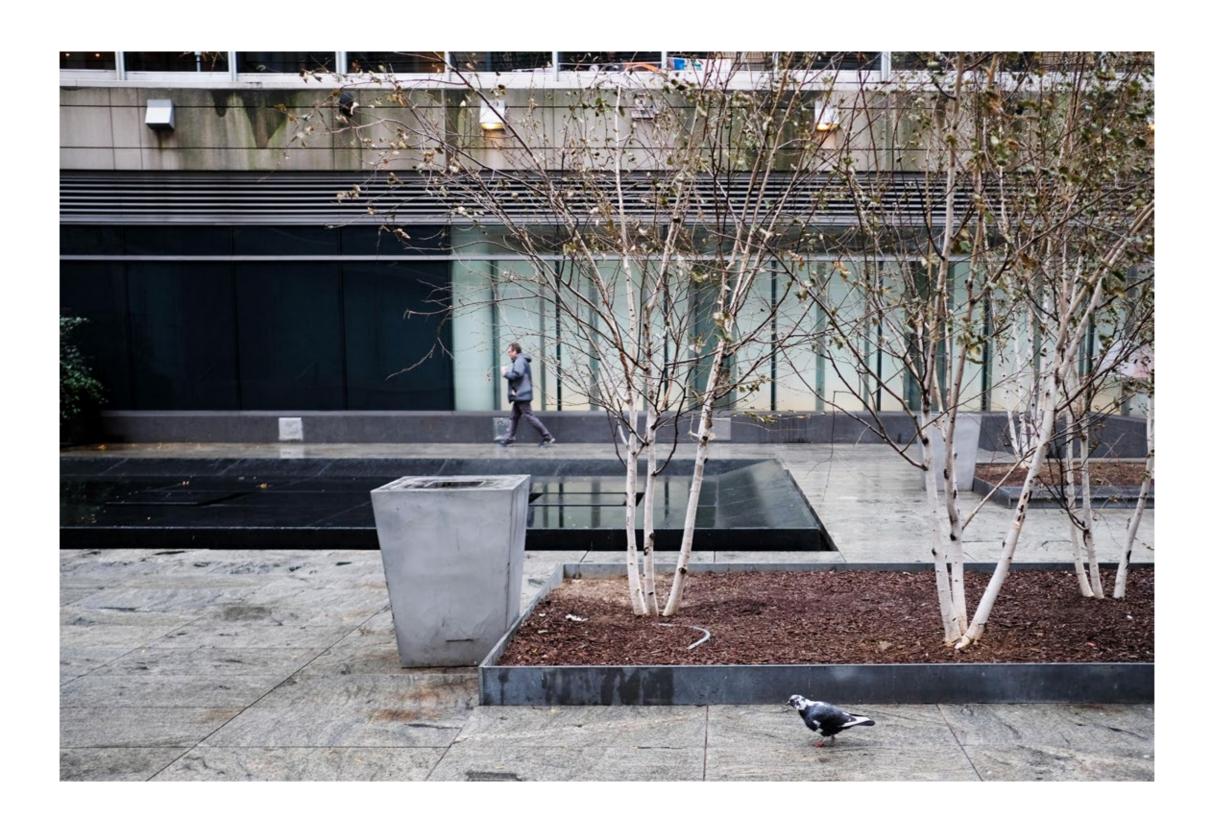
New York POPS Mapping 2019

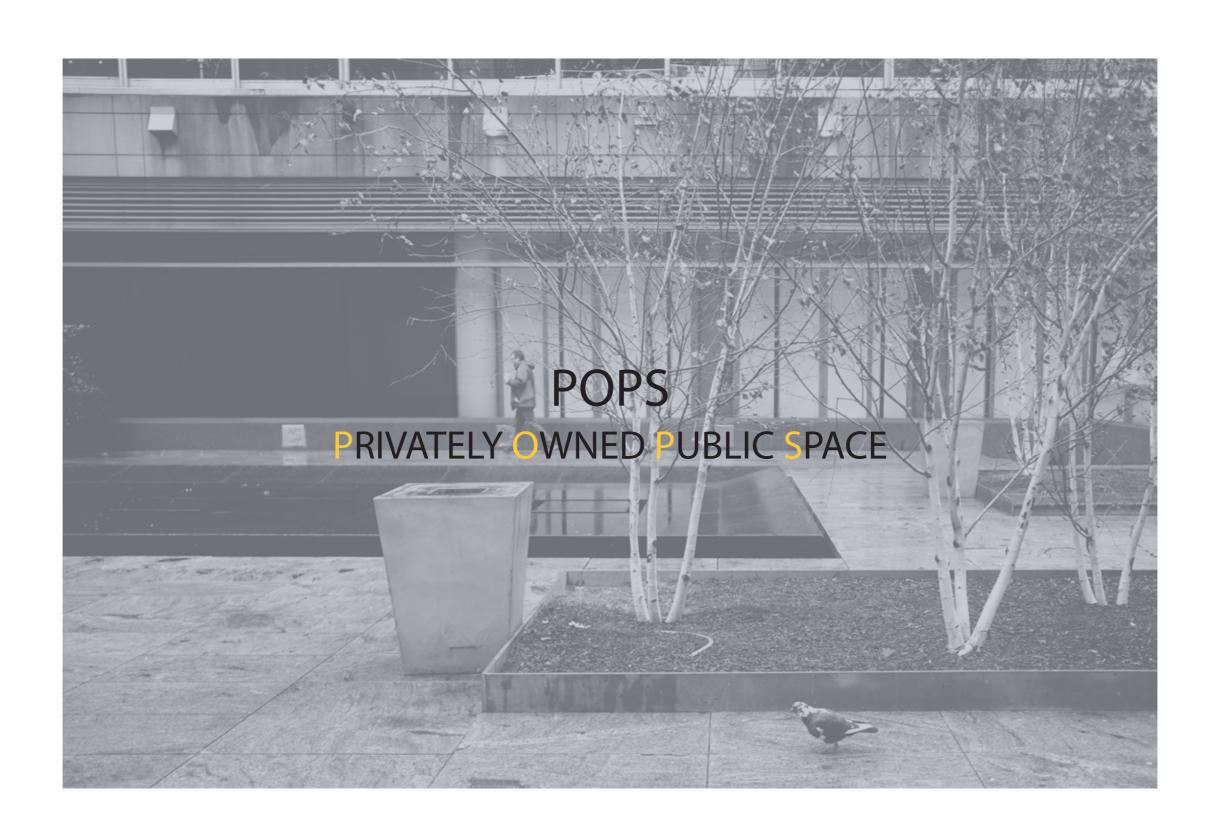
## Conclusion

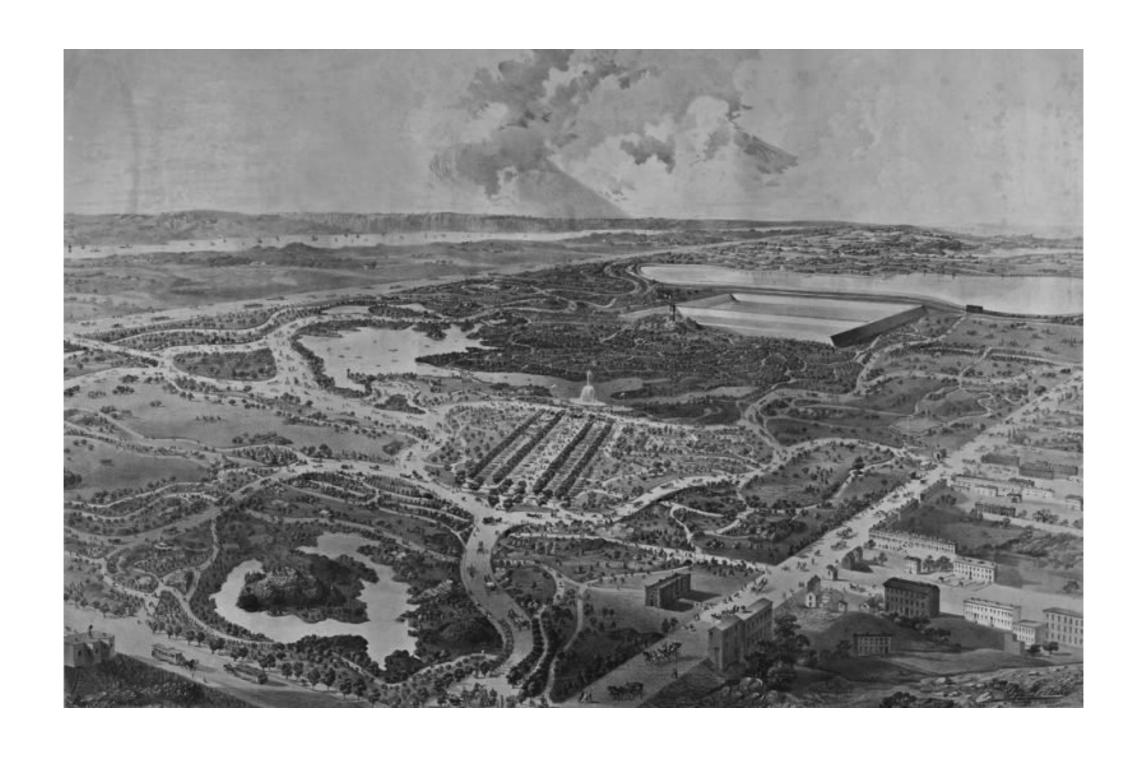
POPS will be the the most important type of public spaces in future New York.



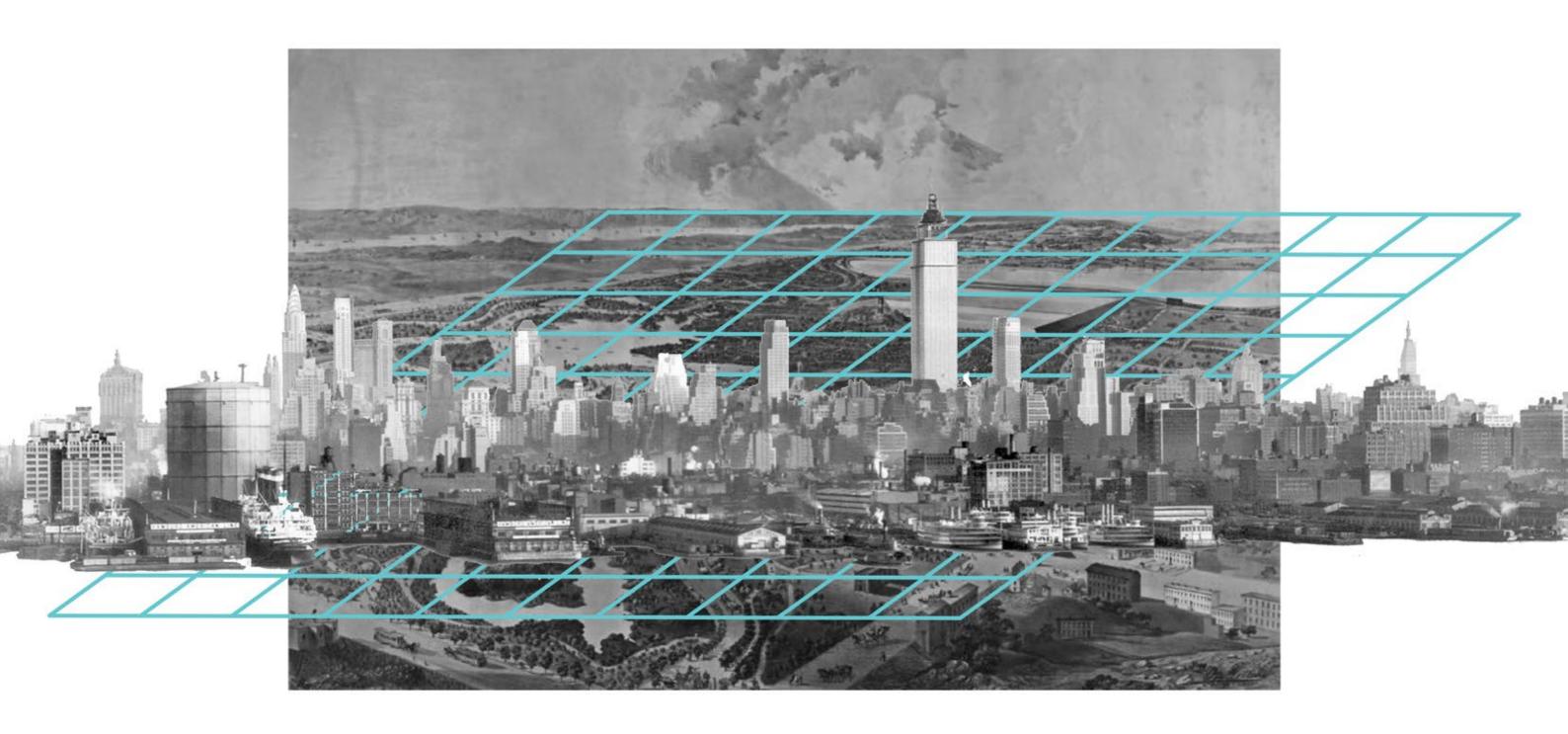
**POPS** 



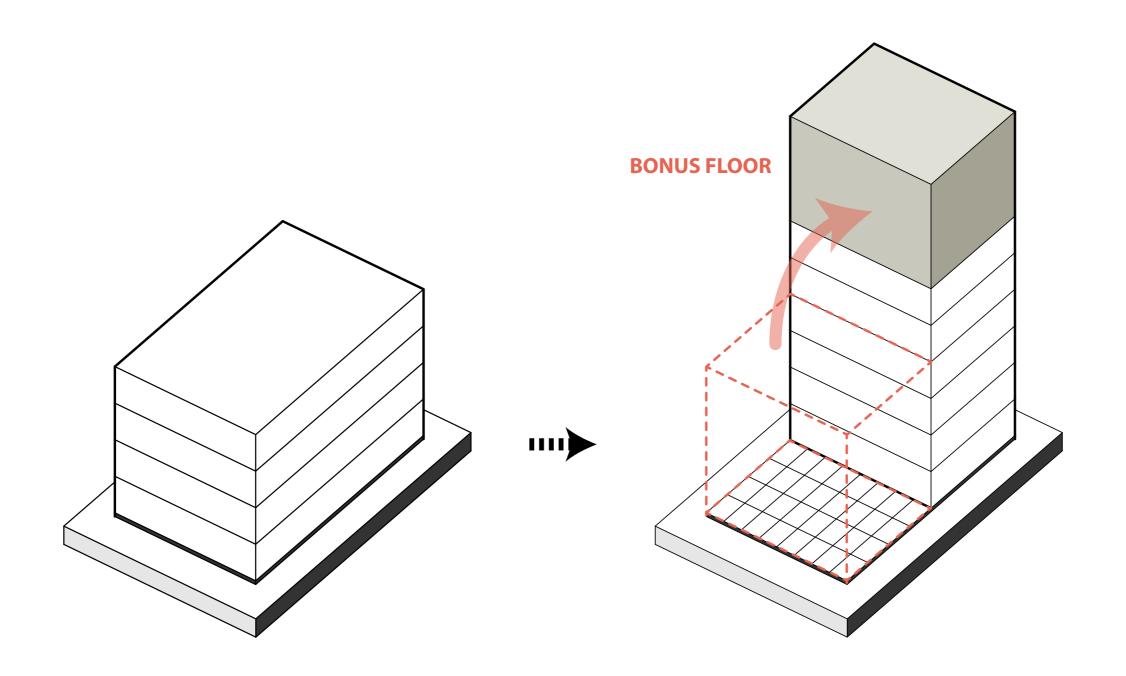




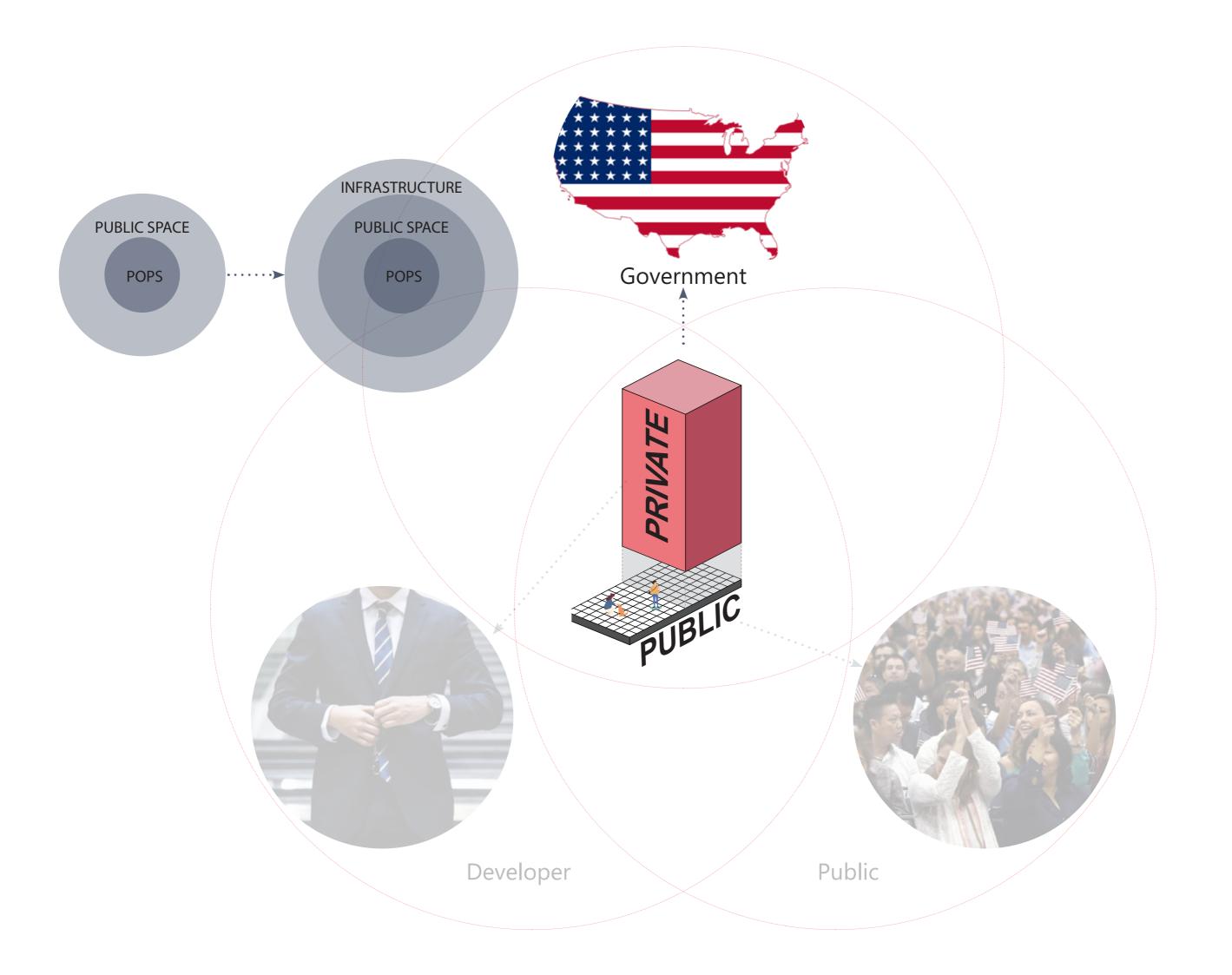
How did POPS appear?

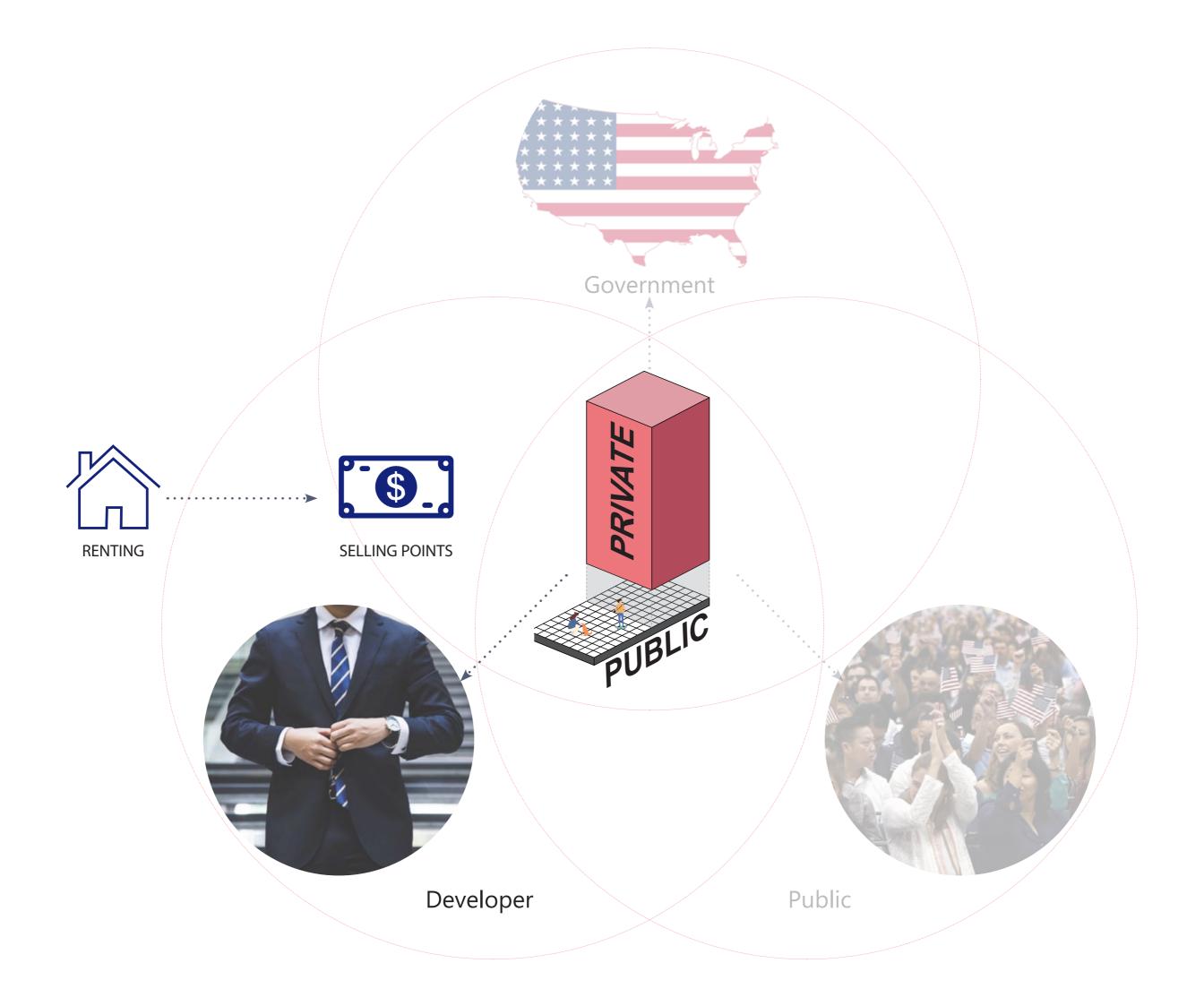


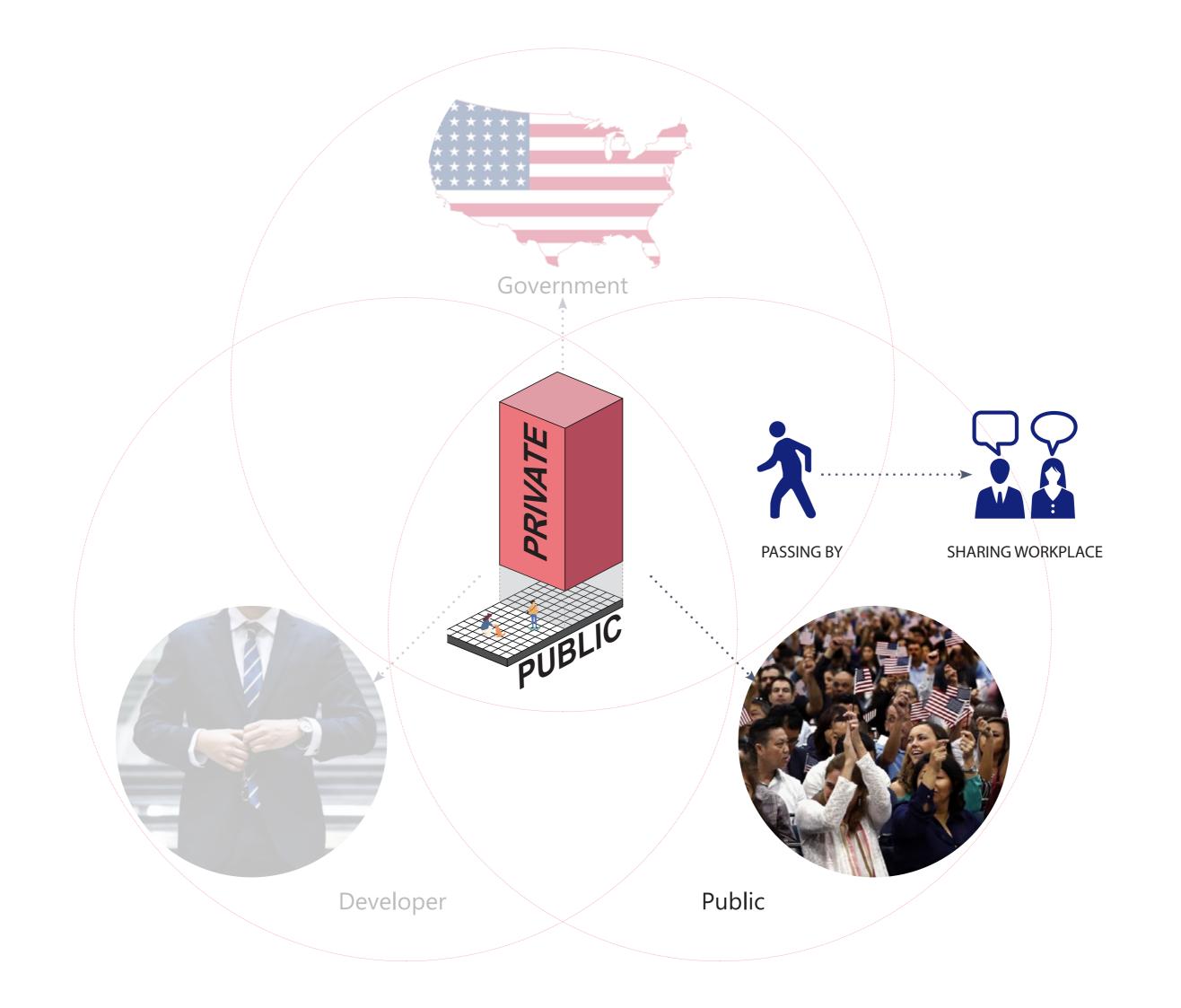
Urban Planning+Privatization

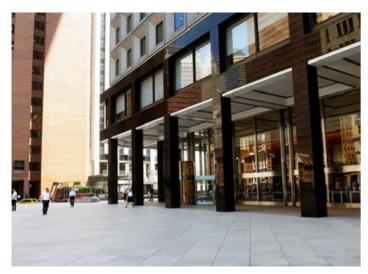


Zoning









New York Plaza: An as-of-right plaza

permitted elements such as flagpoles, driveways, and garage entrances.

1961

1968-1975 1975<del>+</del>1977



240 East 47th Street: Residential plaza, built in 1982 and modified in 2003

open air concourse, sidewalk widening, and the urban plaza the residential plaza

1980-1990 2000



Spruce St: An urban plaza, built in 2006 and modified in 2010 in greater accordance with the current standards

new design standards (called "public plaza" standards facilitate the design and construction of high quality public spaces



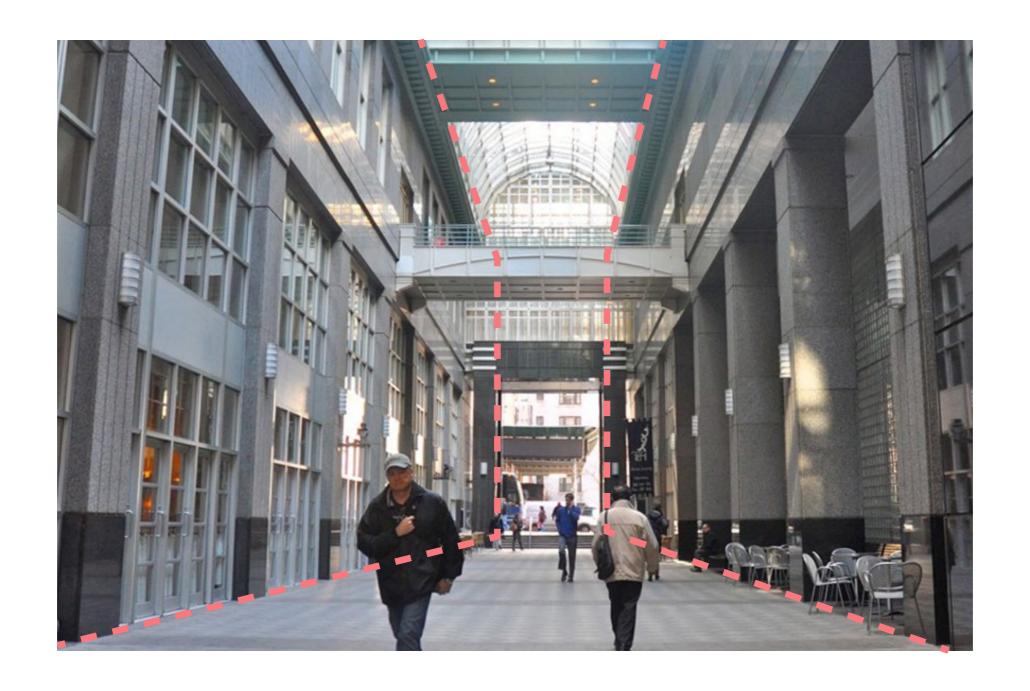
Madison Avenue: A covered pedestrian space originally built in 1982 and modified in 1995

elevated and sunken plazas, through block arcades; covered pedestrian spaces; and open-air concourses



Astor Place: An open space required by special permit, built in 2012

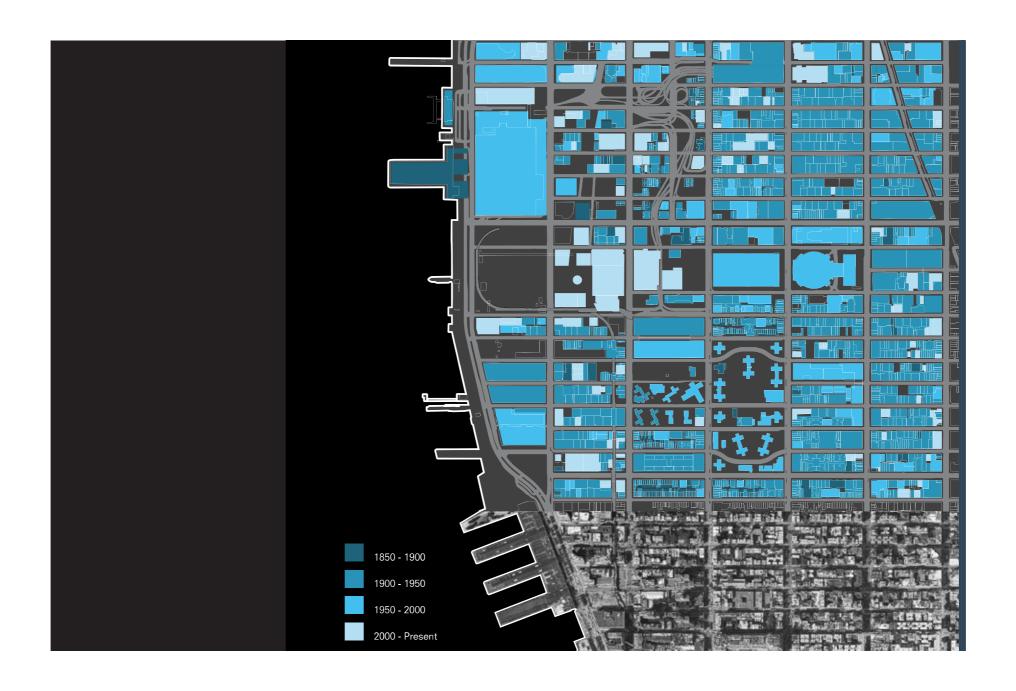
Special Midtown District



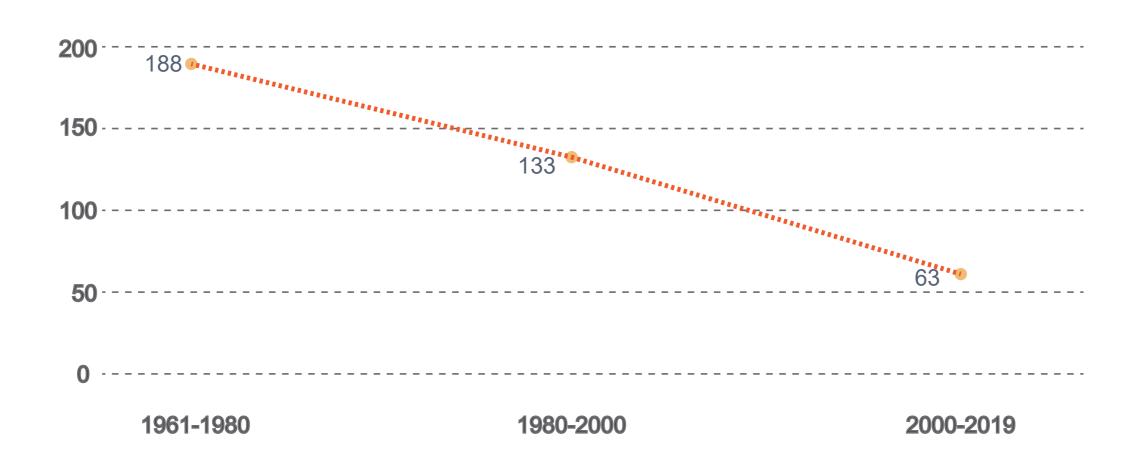
BOUNDARY



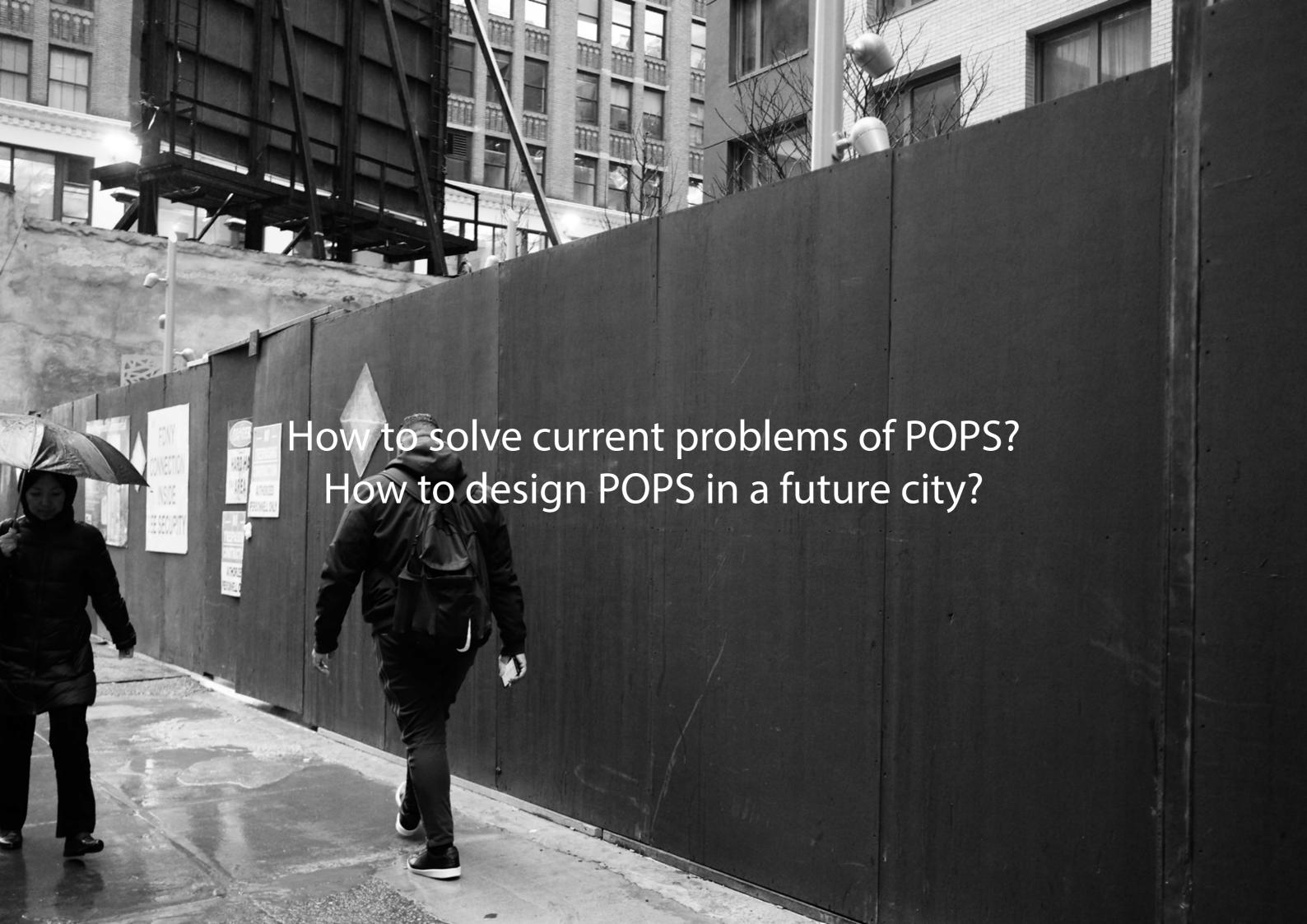
Vacant



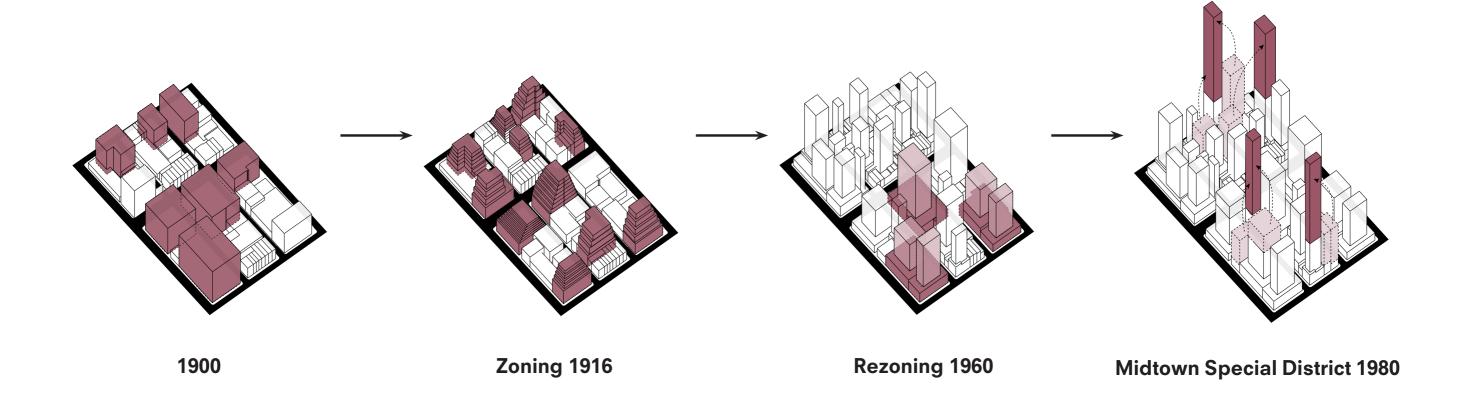
No Extra Land



## **COMPLETED POPS IN NY**

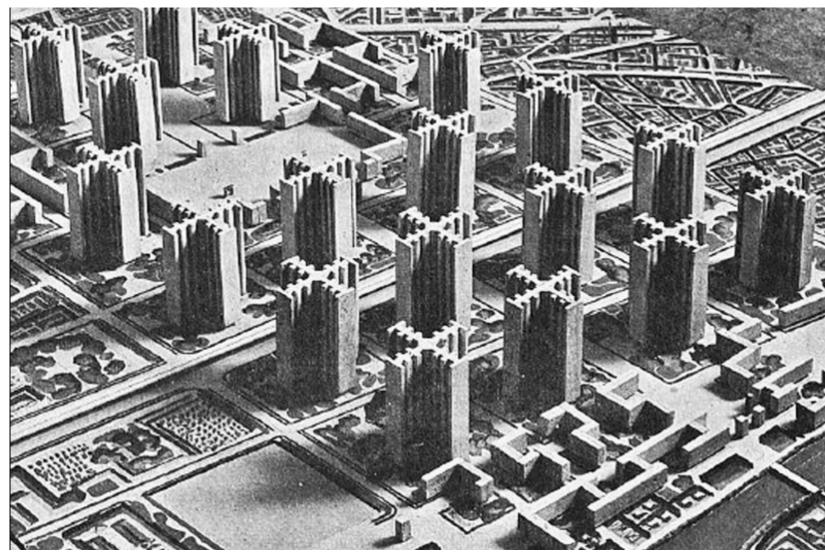






**Building Morphology** 



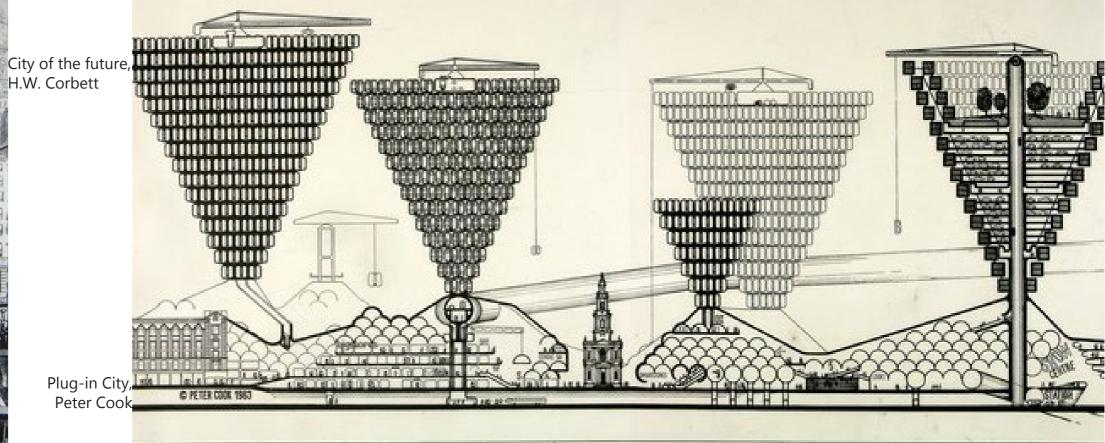


Ville Radieuse, Le Corbusier



Metabolism, Metabolists





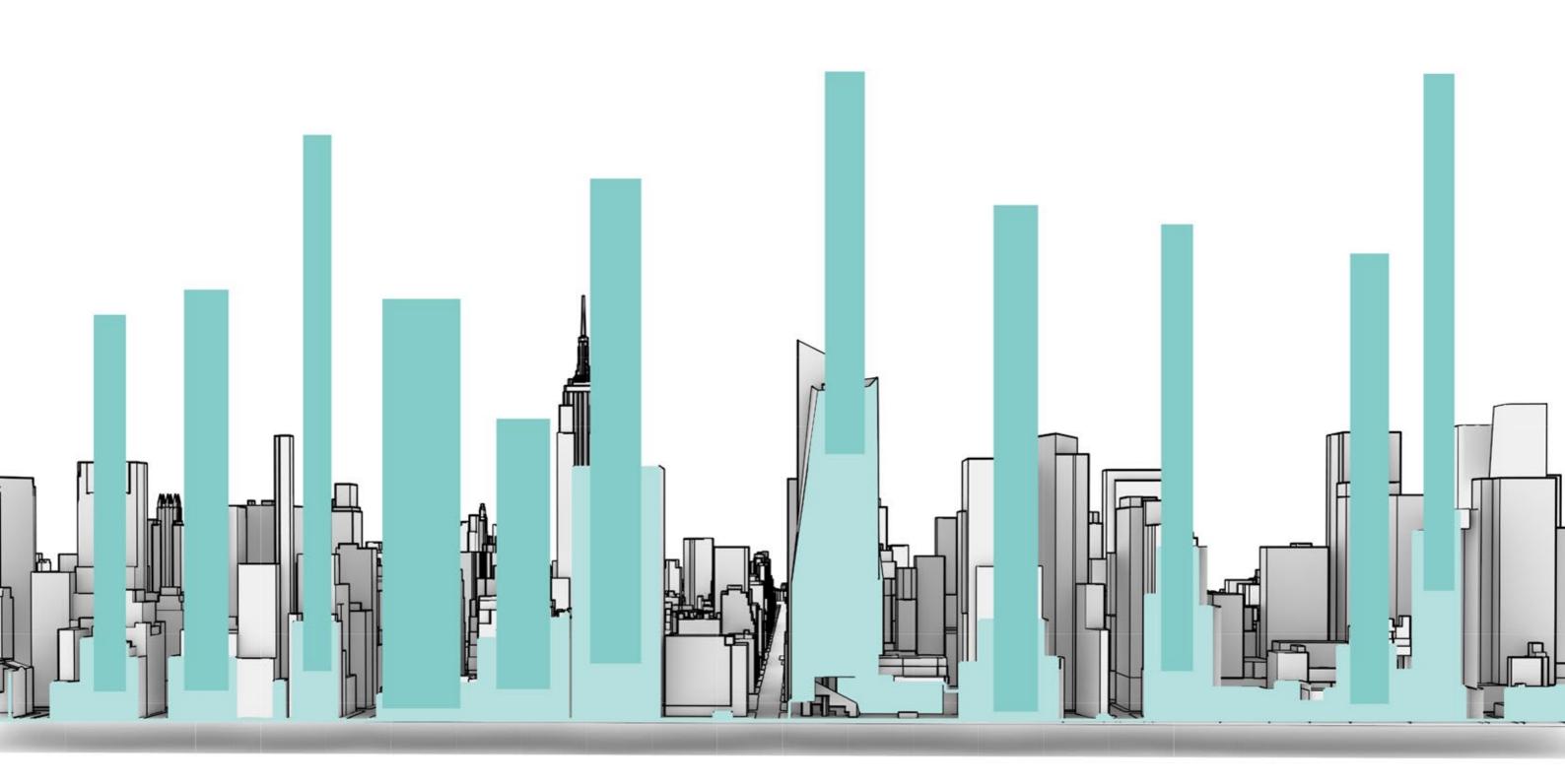
Peter Cook

Re-organise

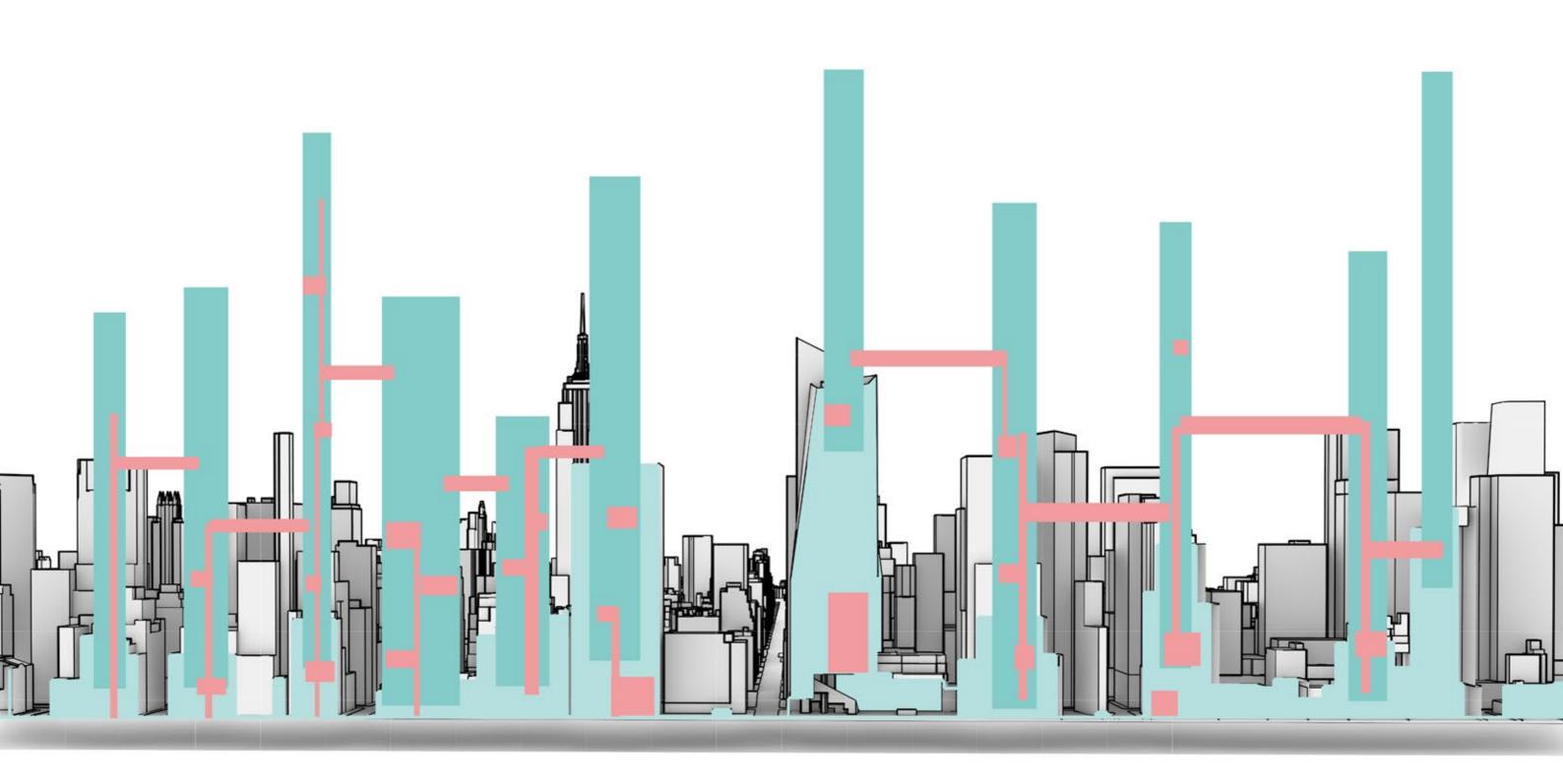


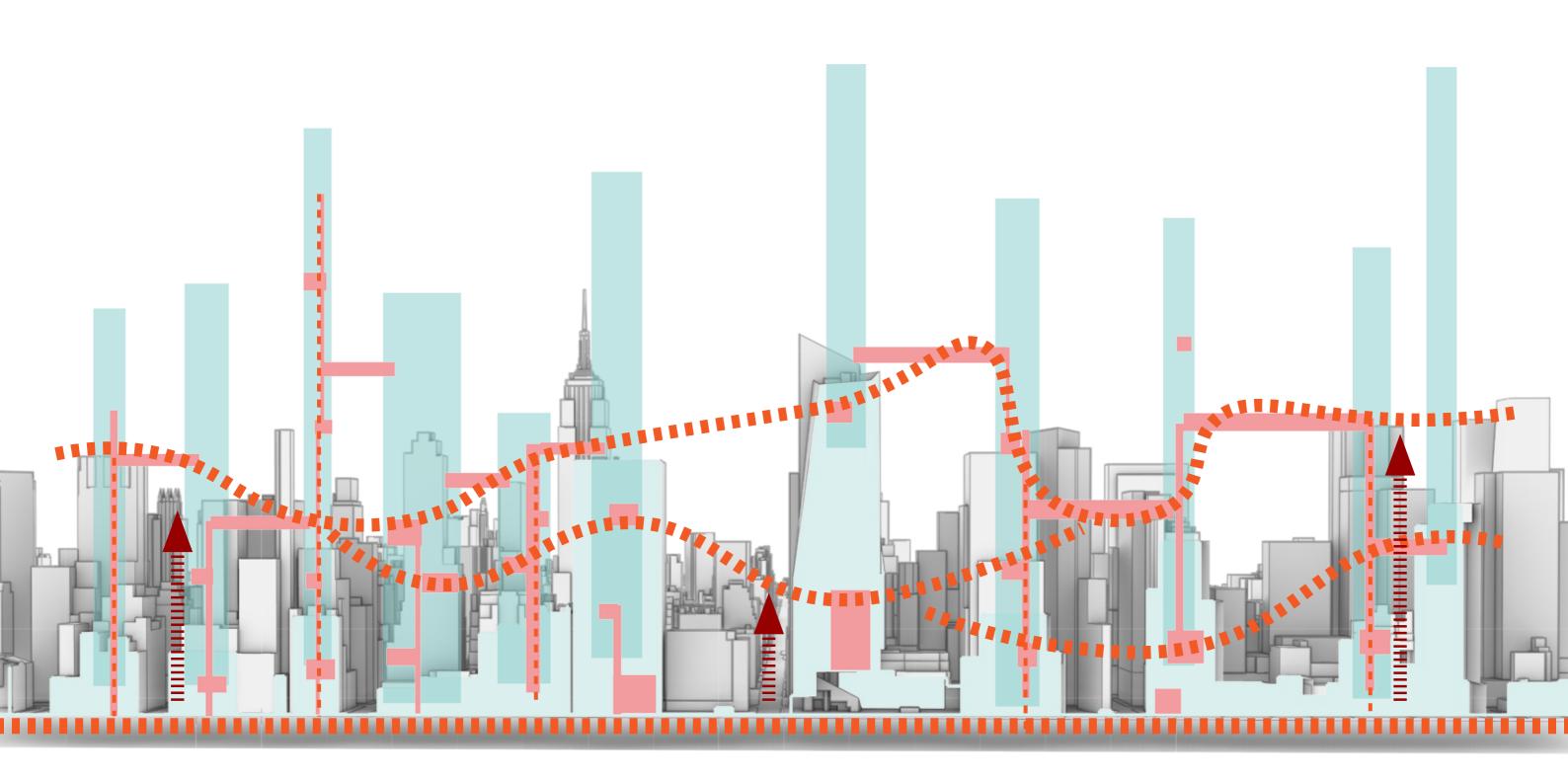
Re-novate





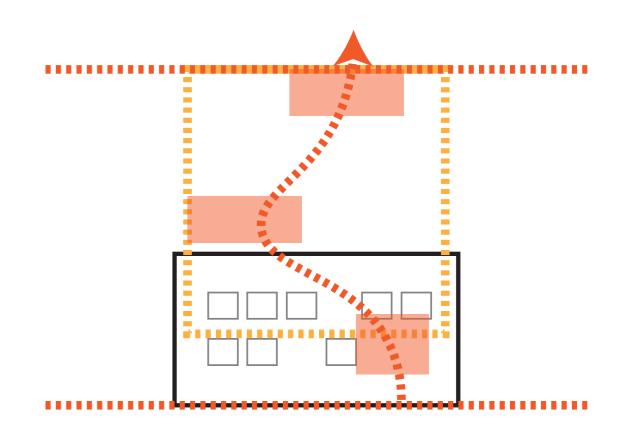






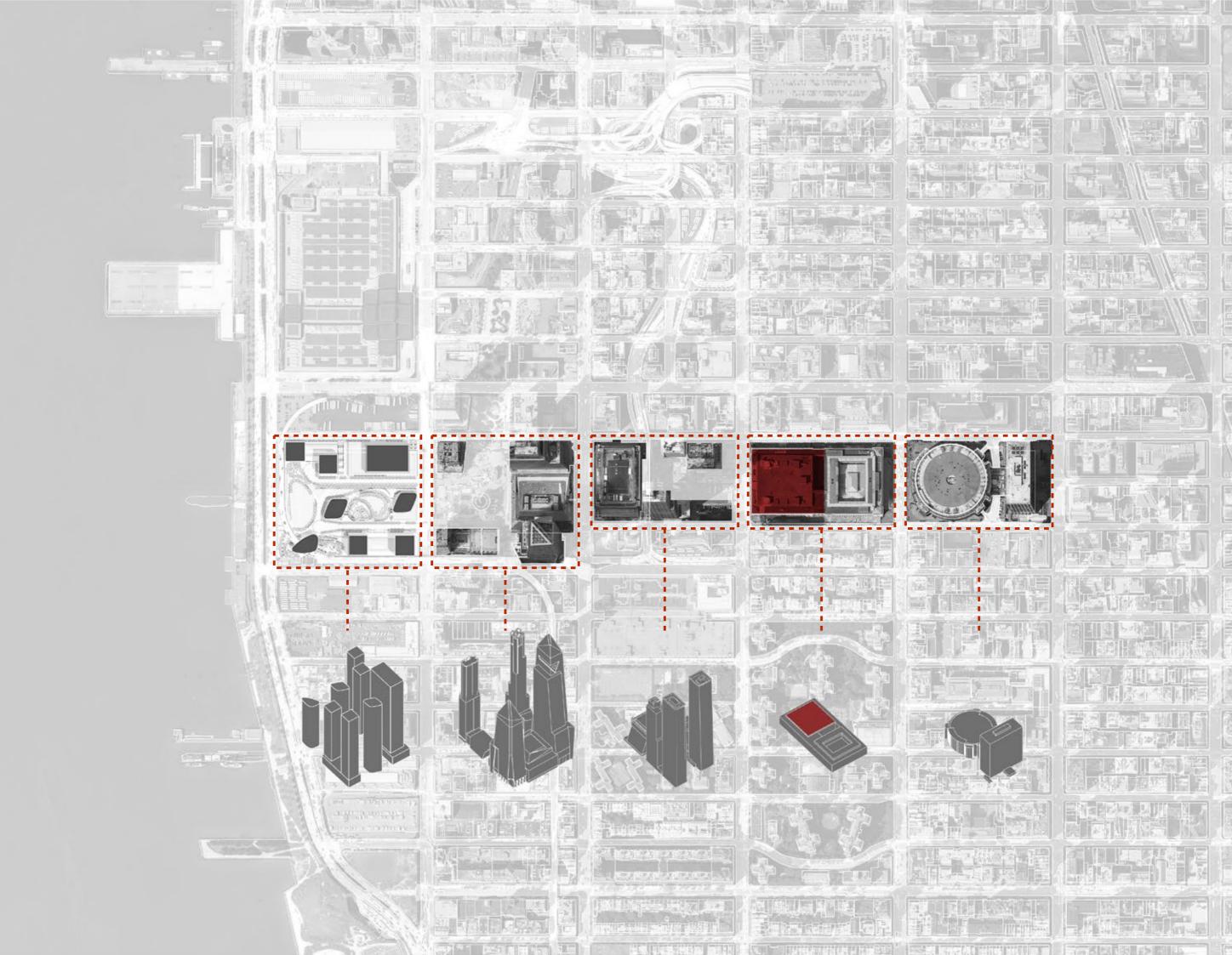
## "Plug-in Typology"

- -Renovation
- -Public & Mixed-used
- -Connect with existing public space system

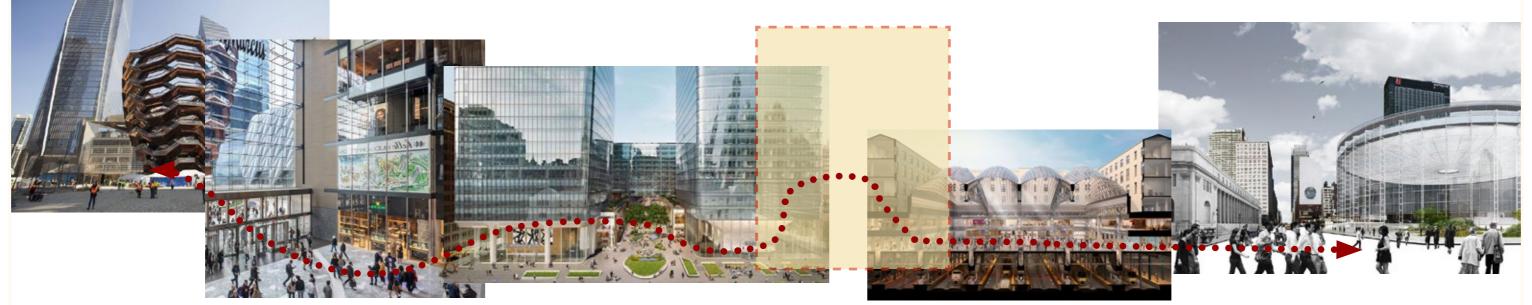


SITE



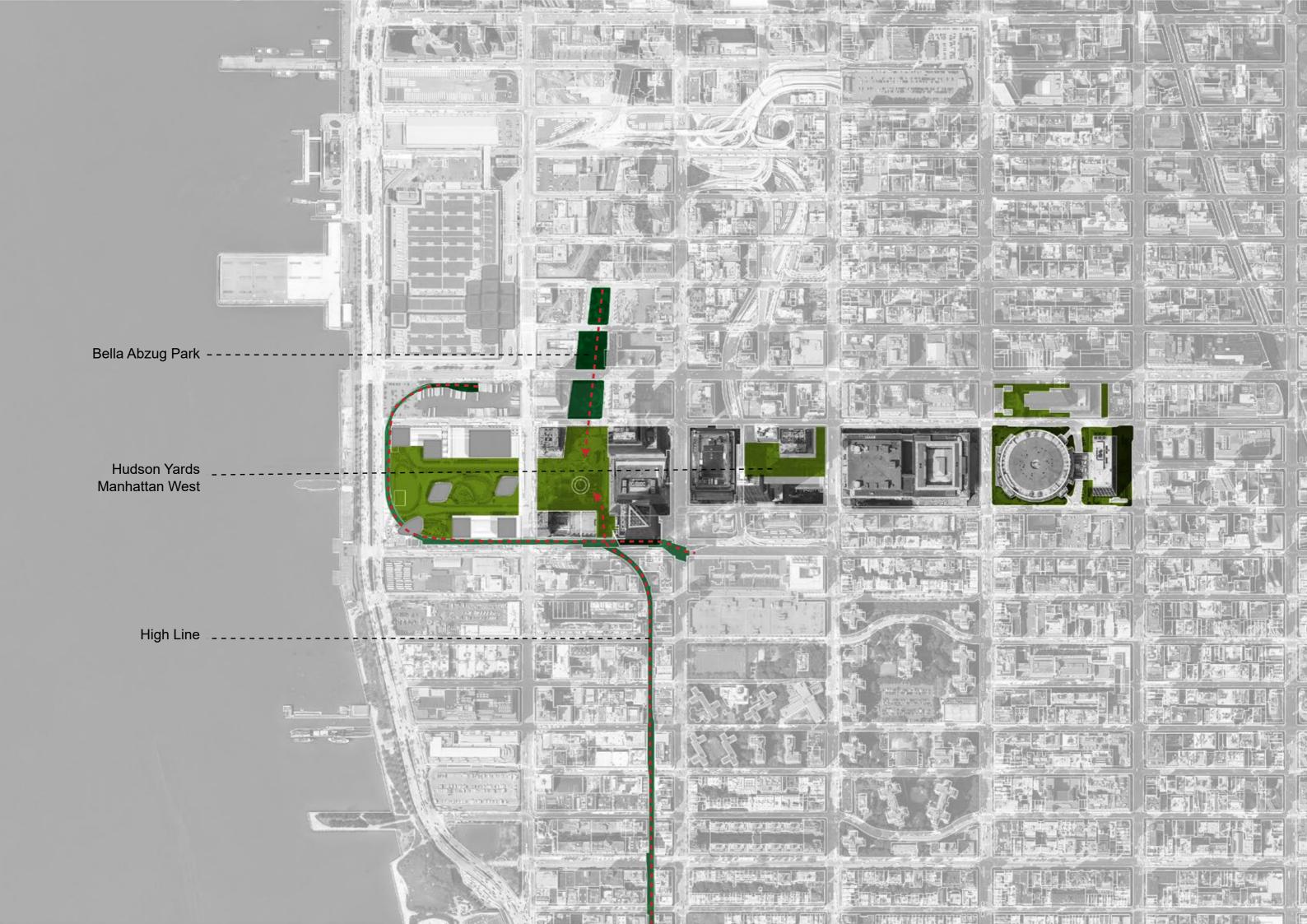




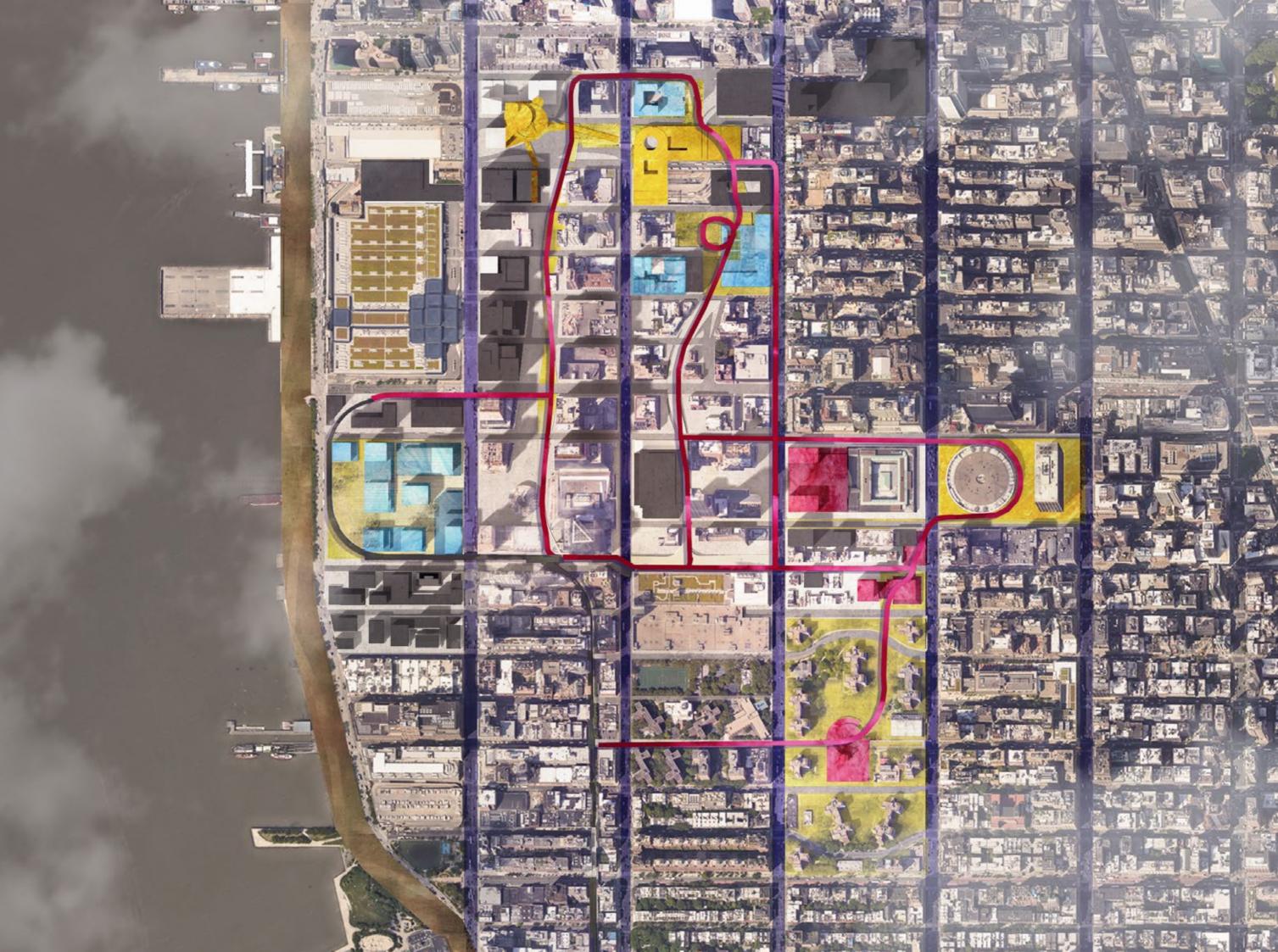


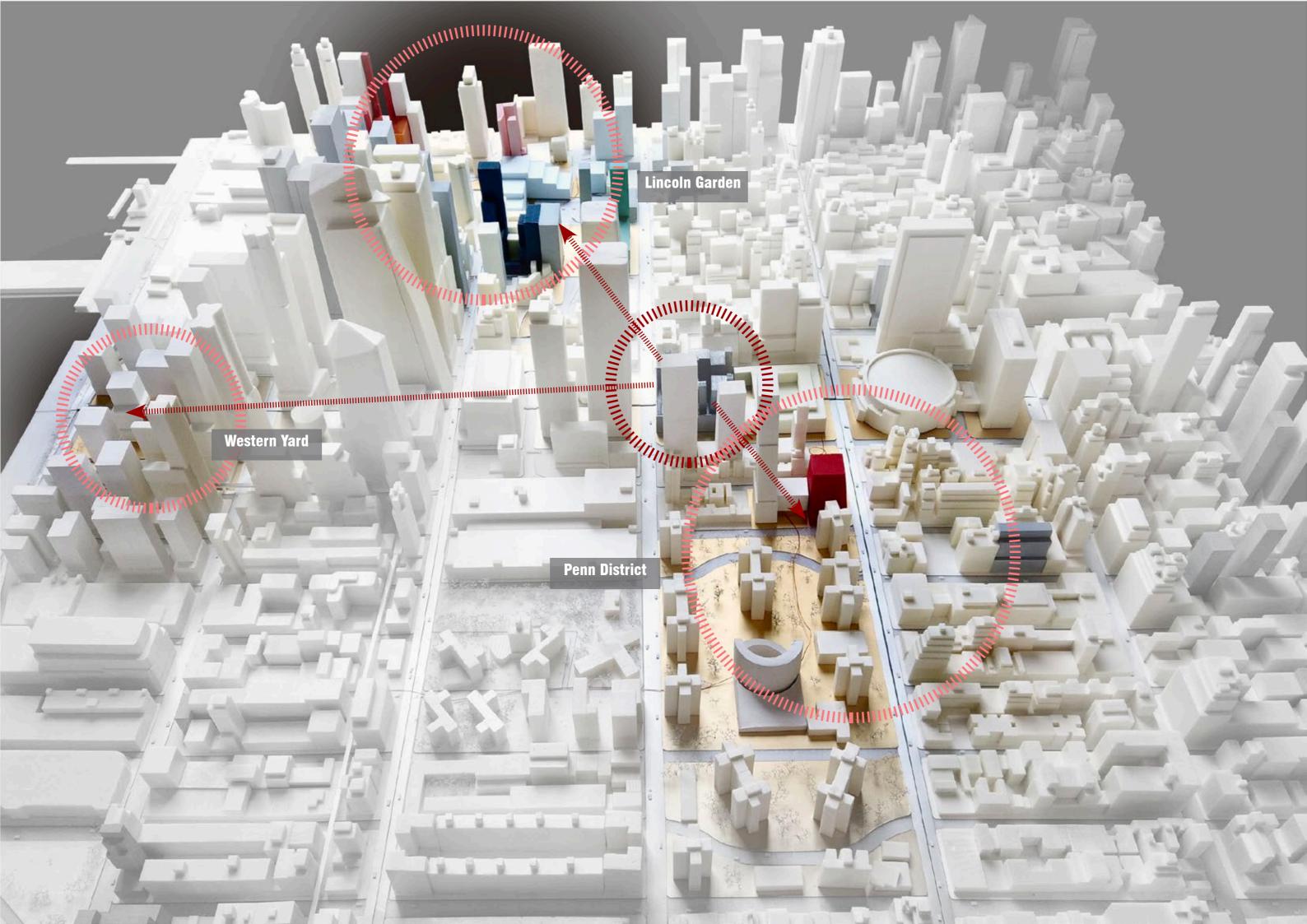
Hudson Yards West Manhattan Moynihan Station Penn Station

CITY PUBLIC SPACE SYSTEM





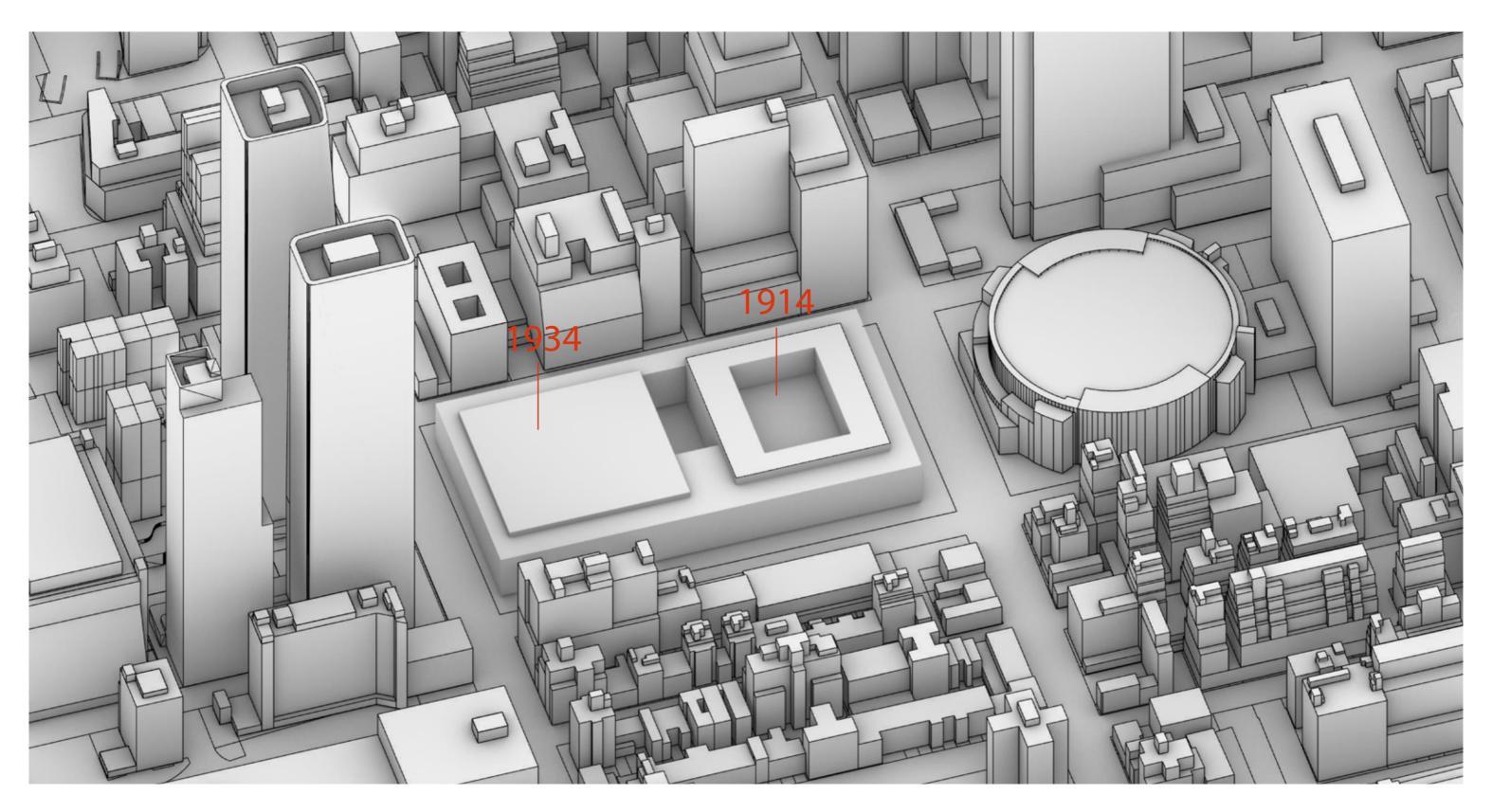




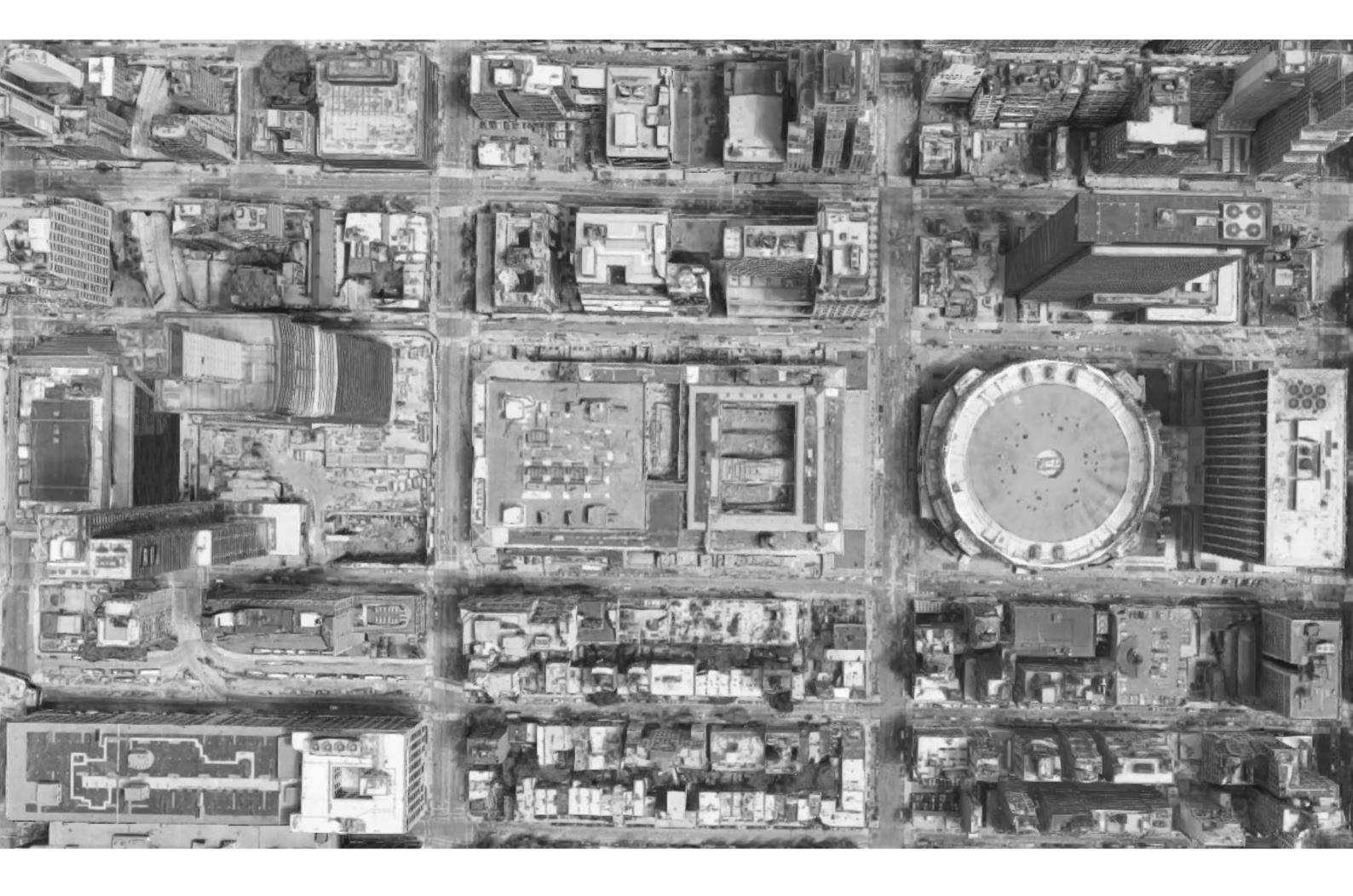


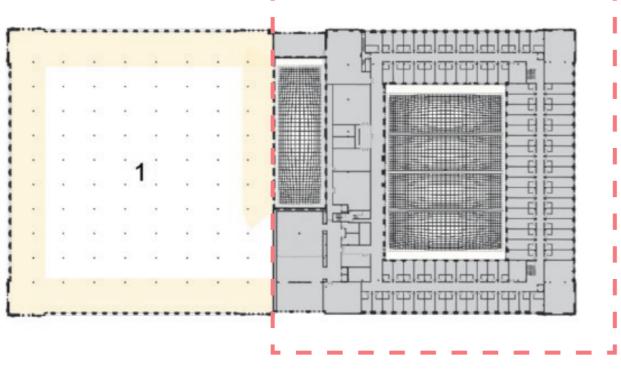


Farley Post Office (1970S)

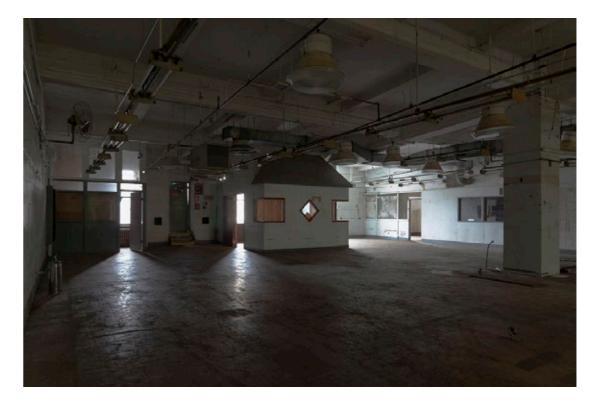


Original Situation

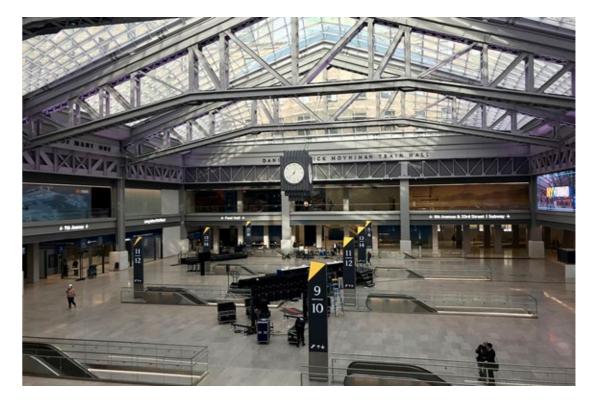




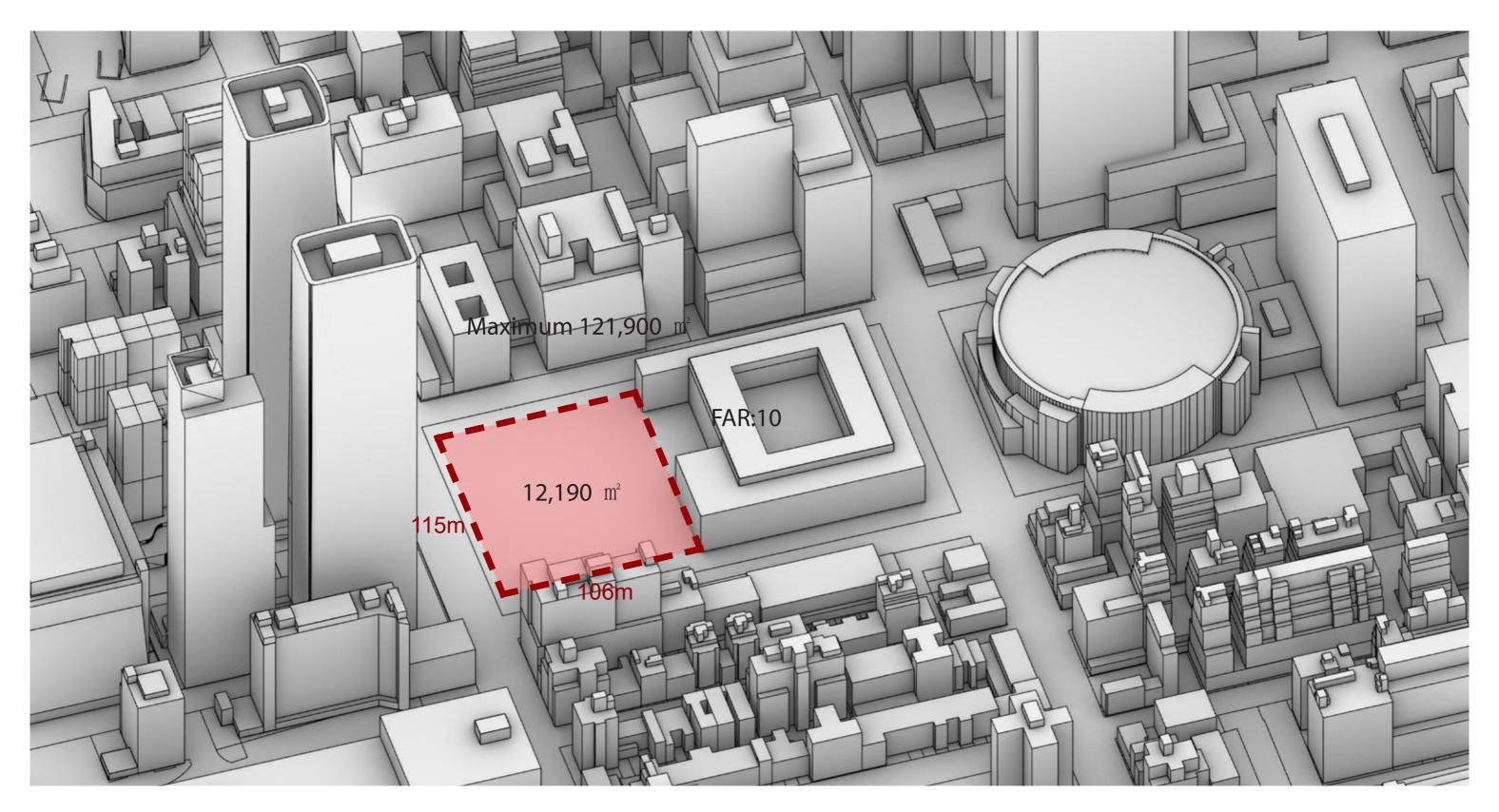
EAST WING



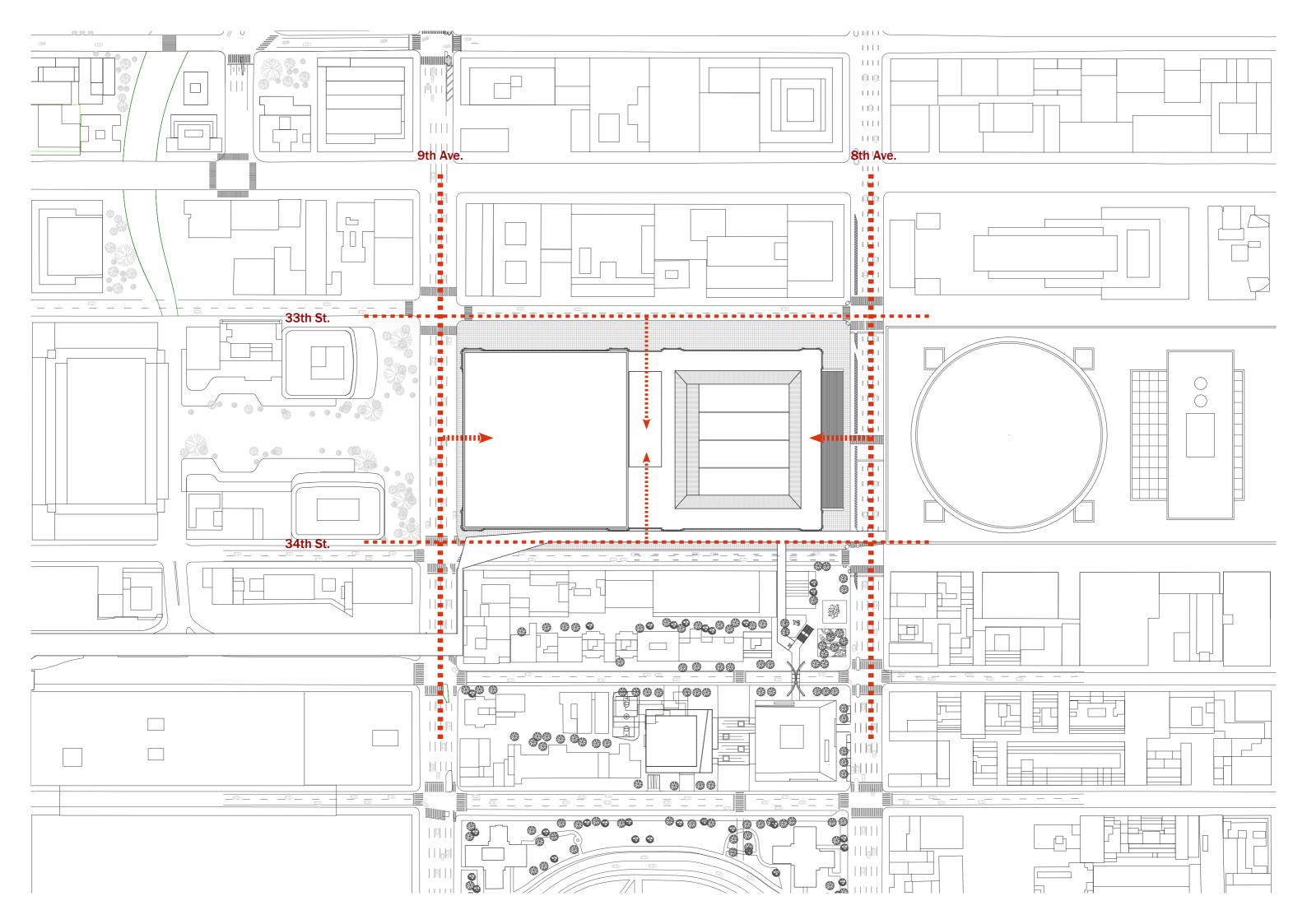
BEFORE

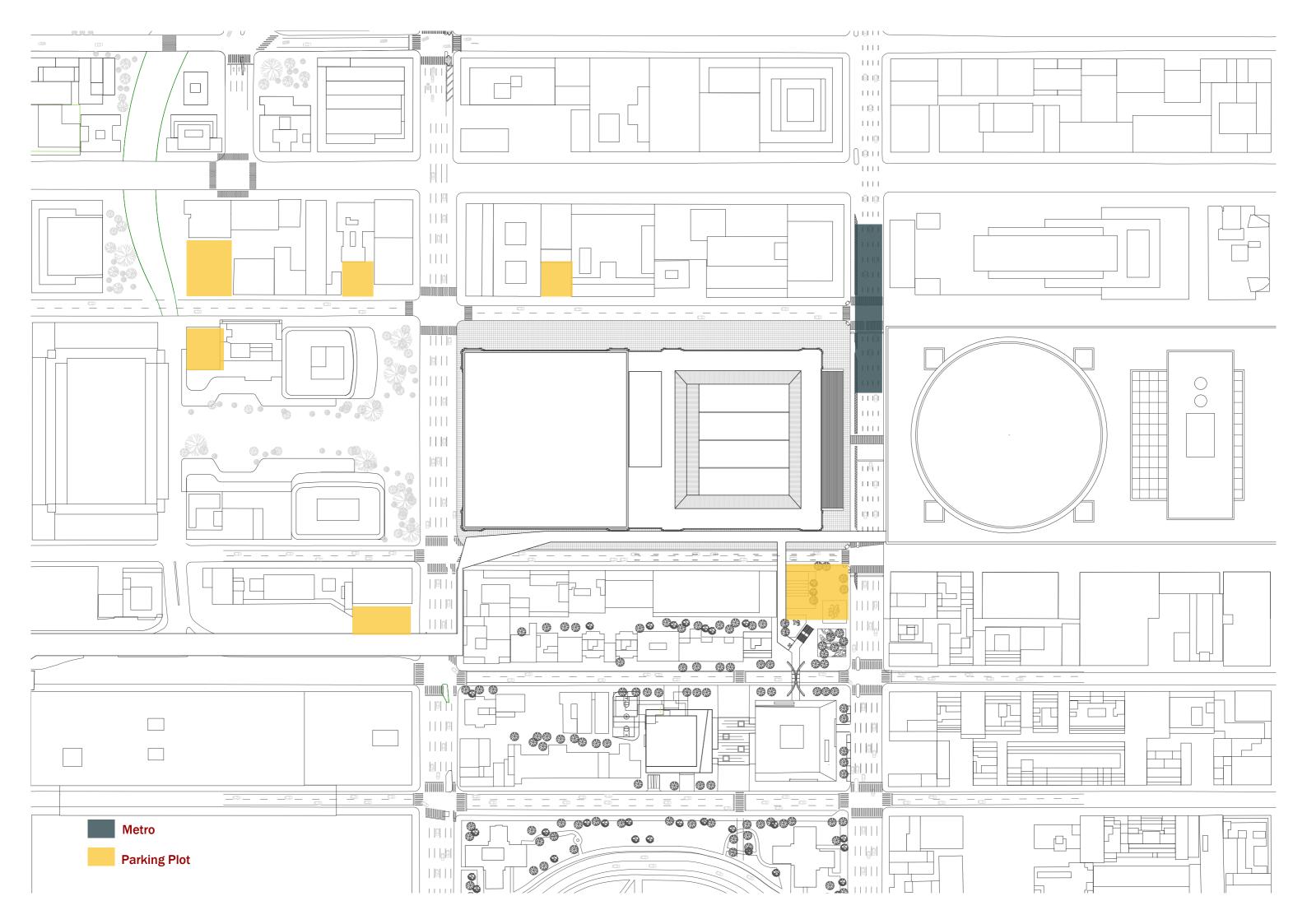


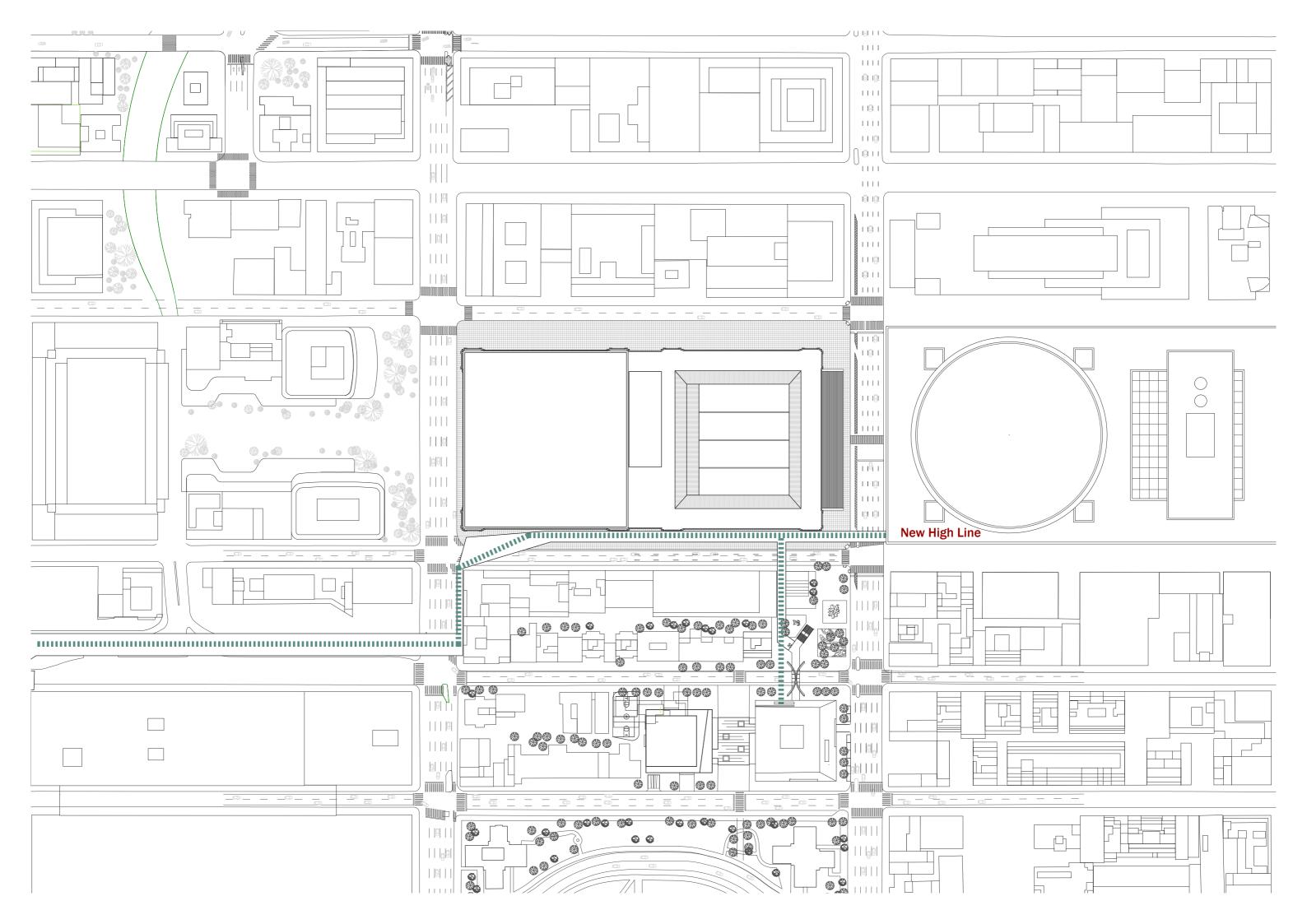
AFTER(Moynihan Station) Jan.2021

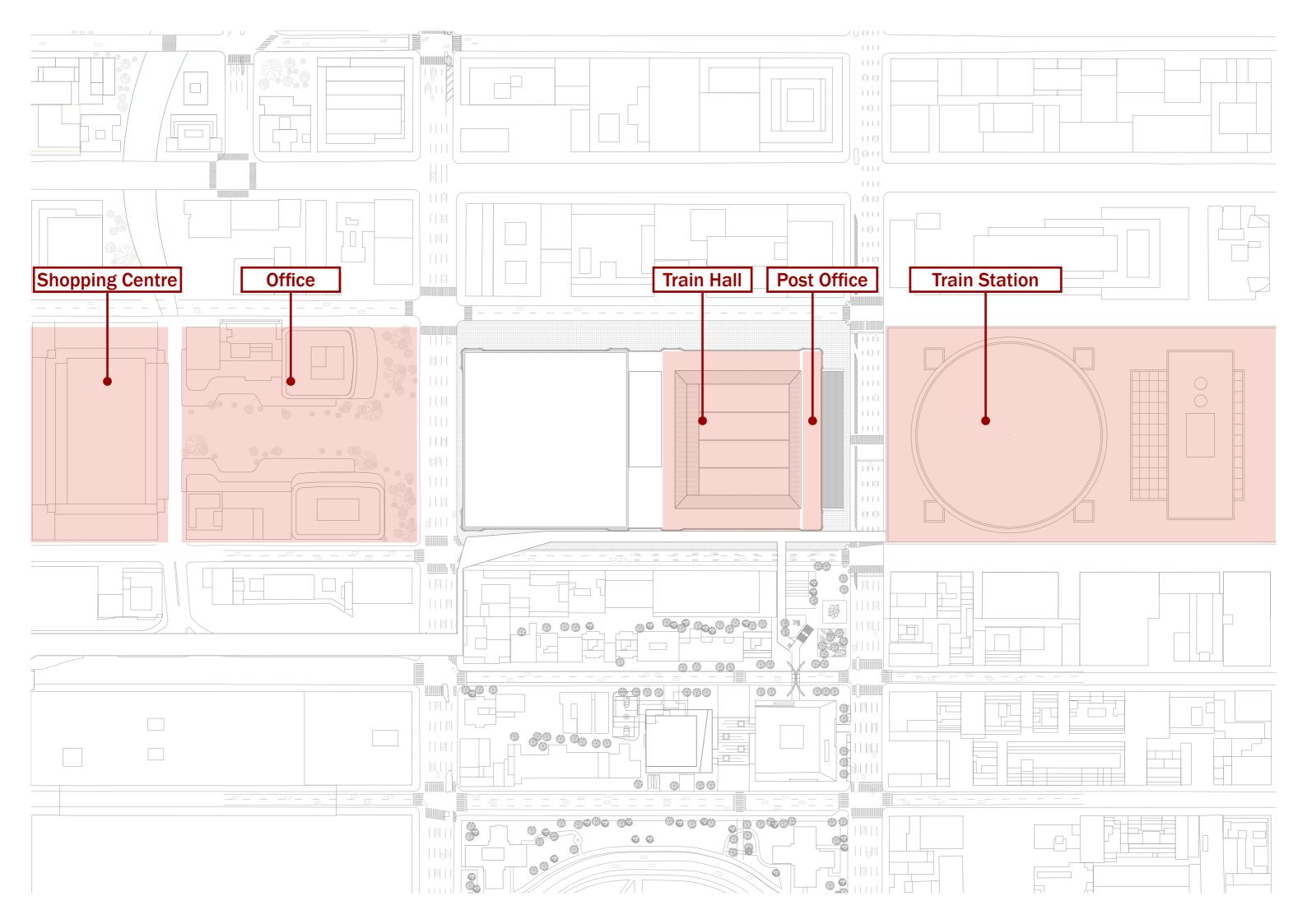


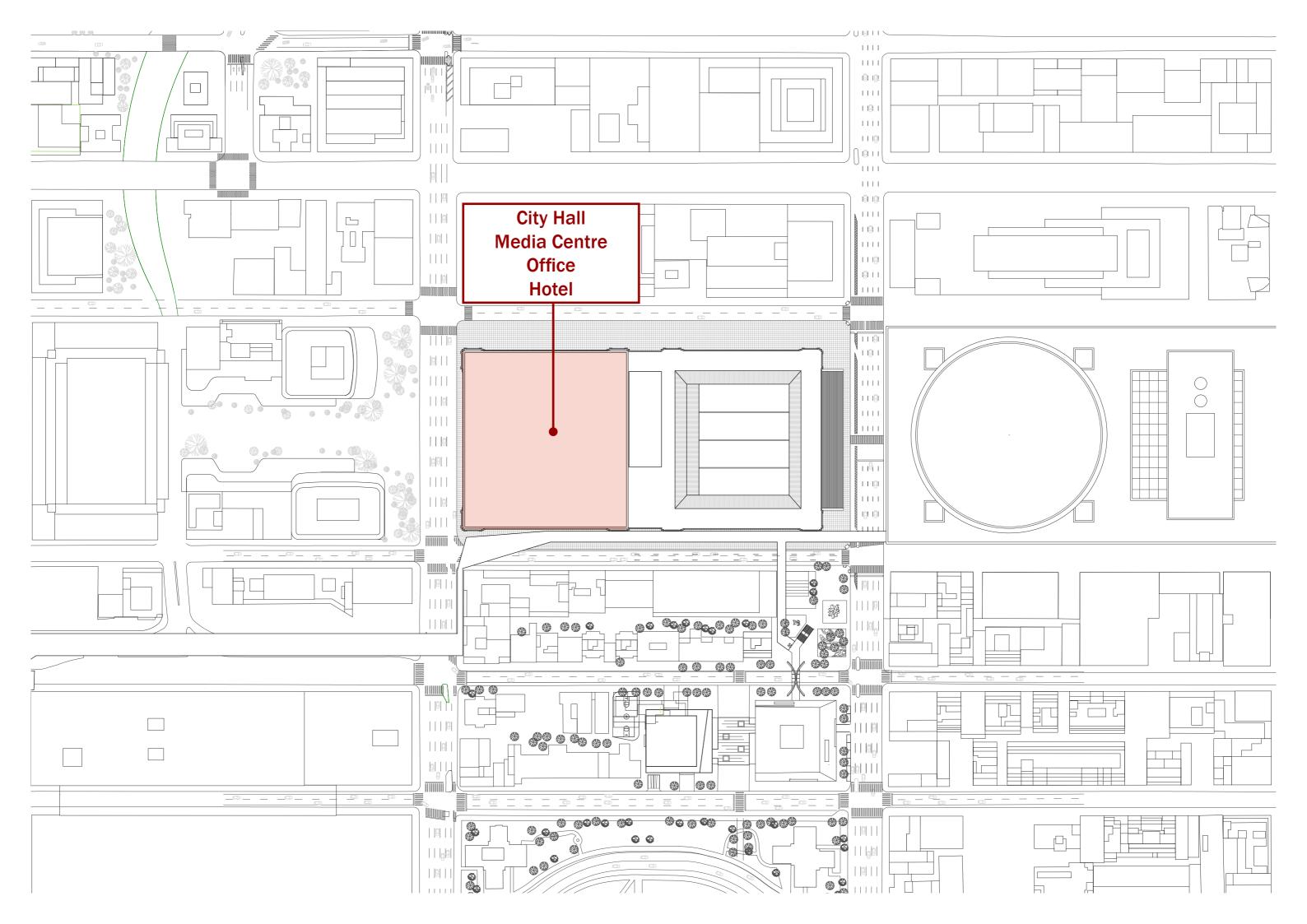
**Building Area** 

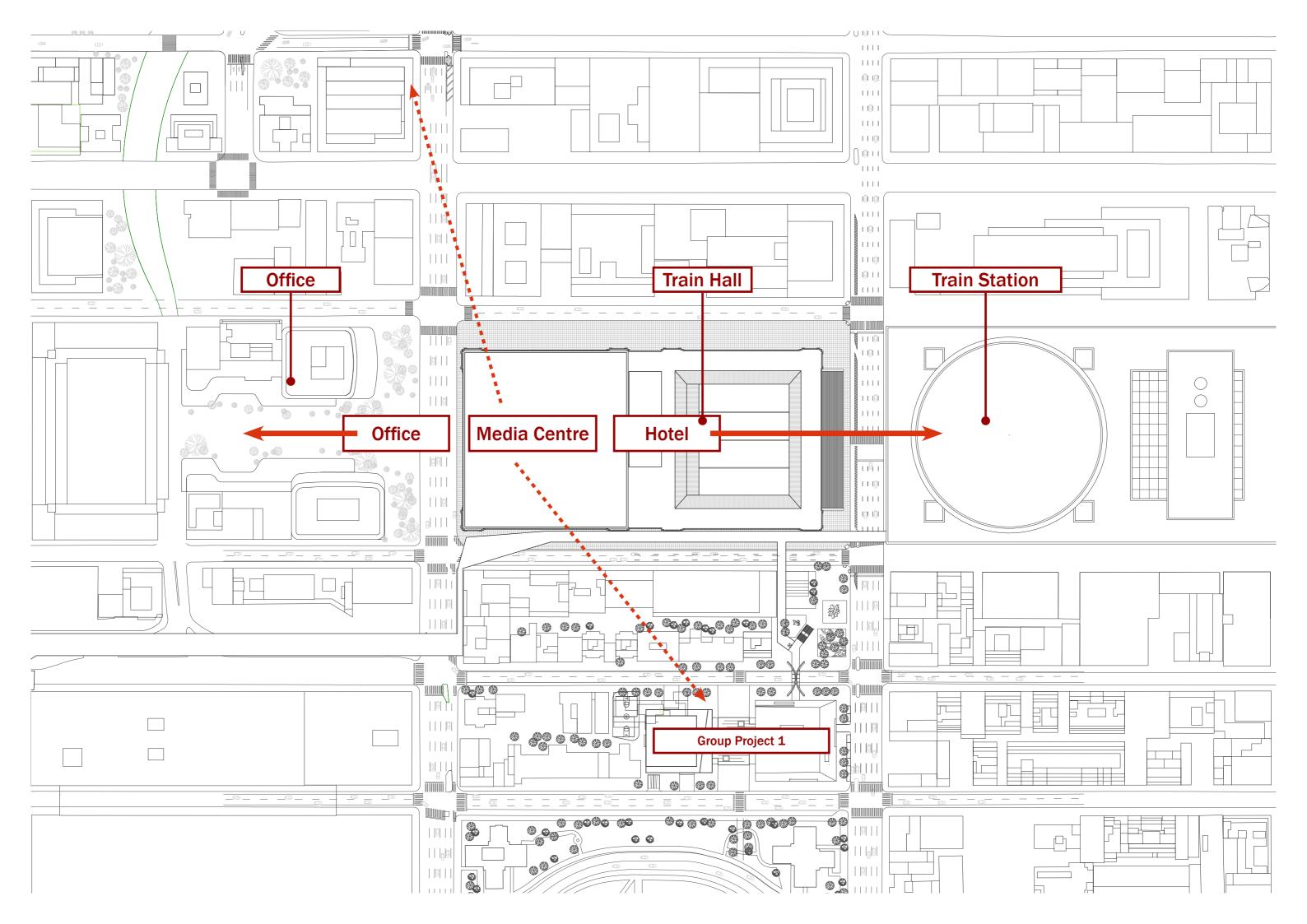






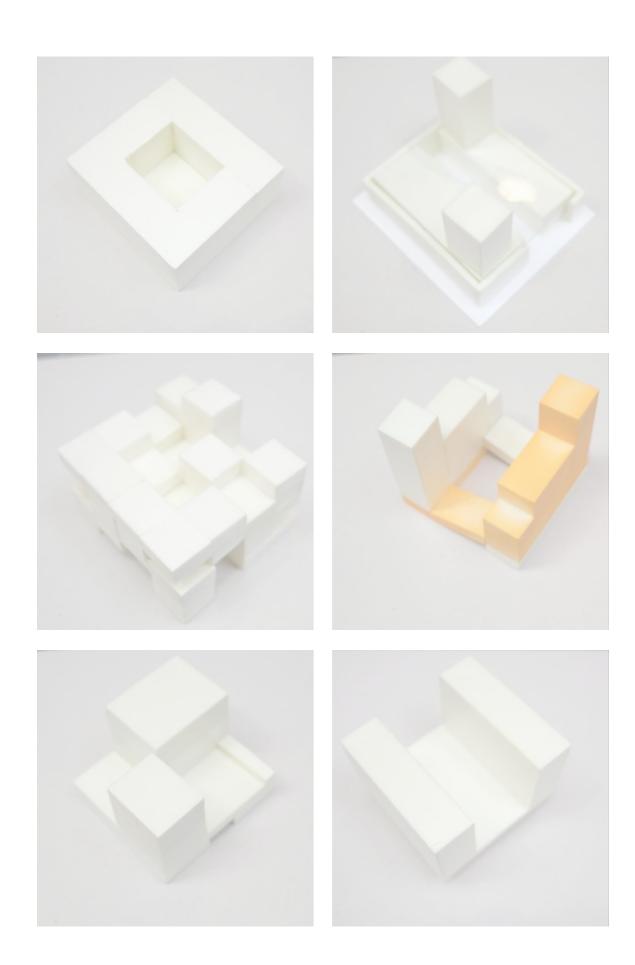




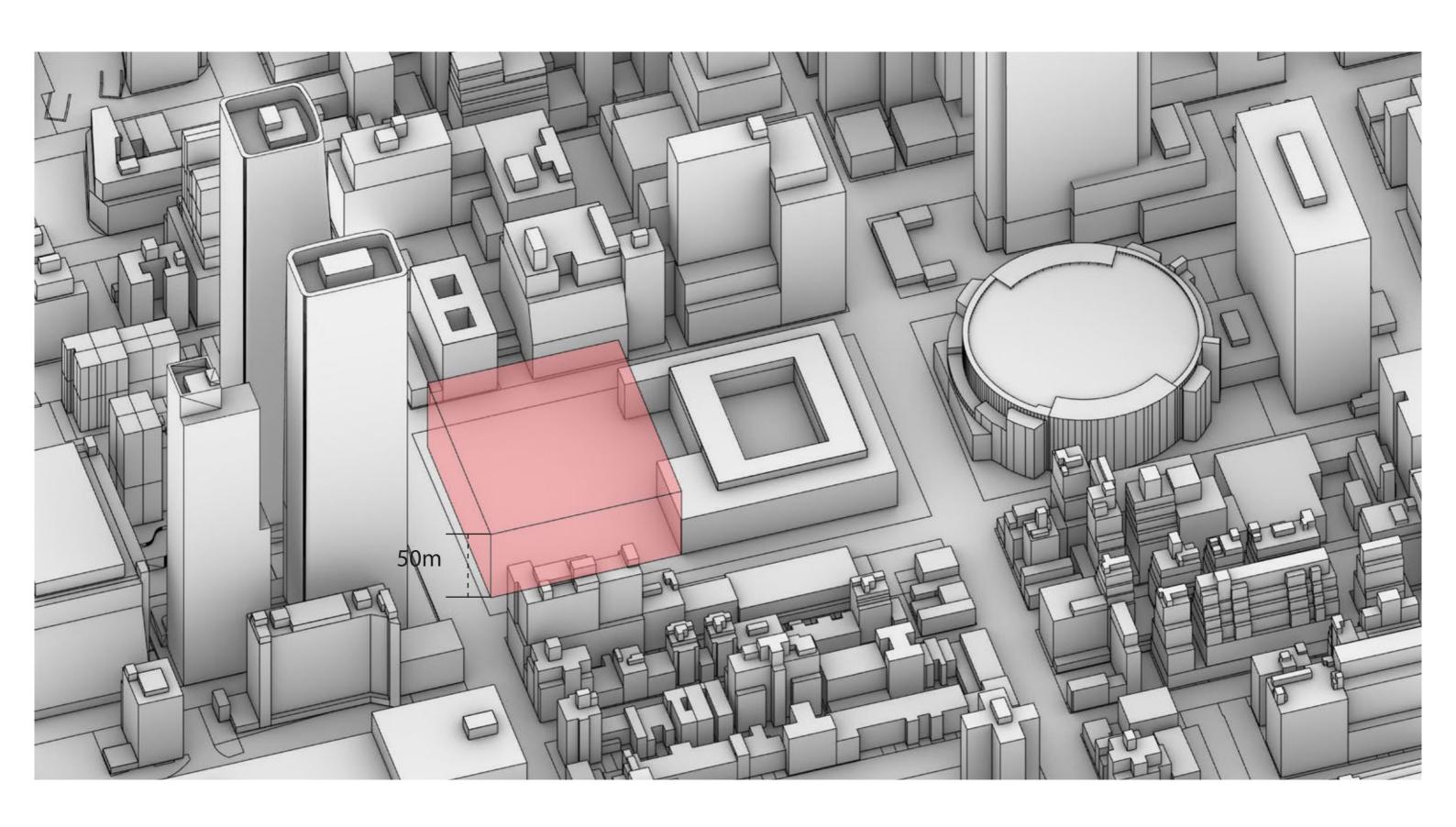




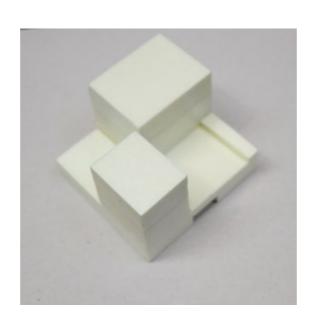
Design

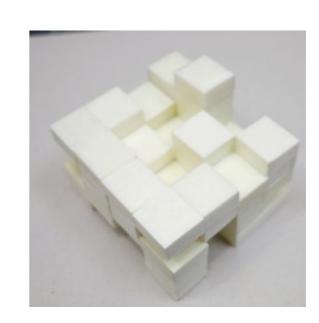


# **Massing Exploration**

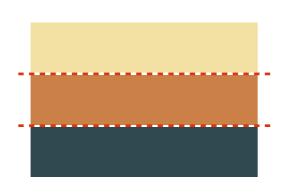


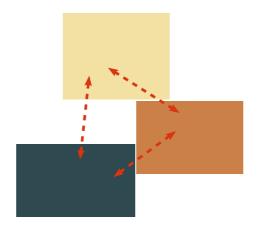


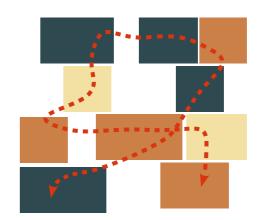




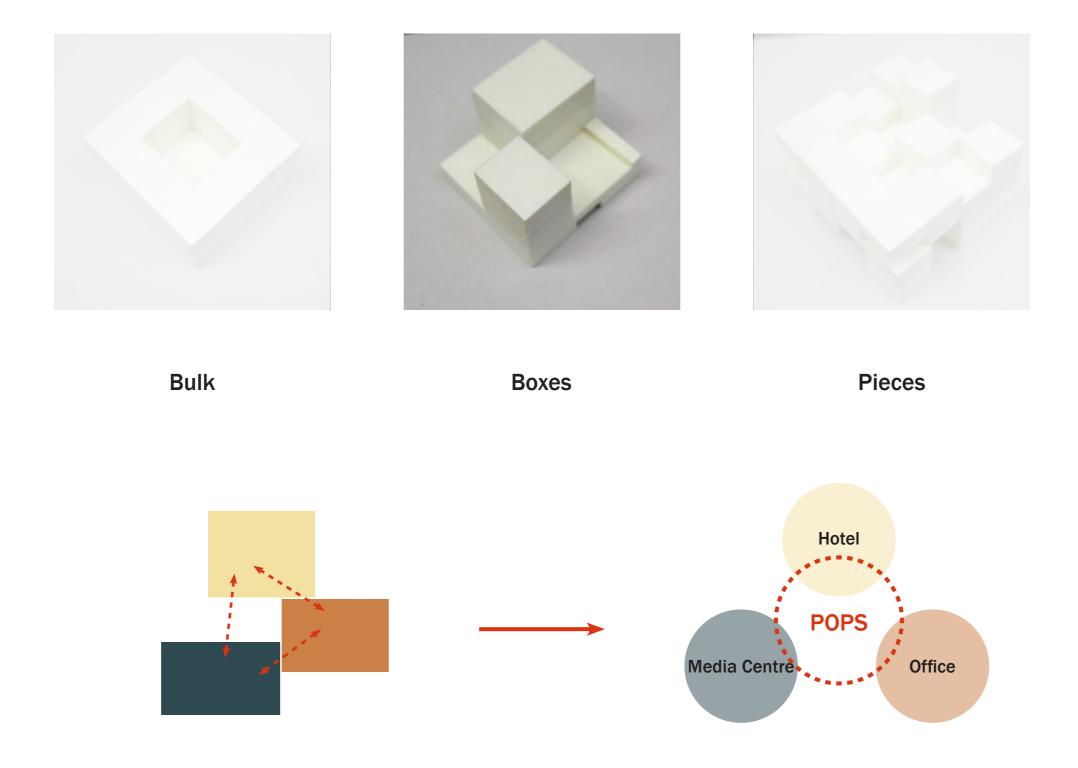
Bulk Boxes Pieces



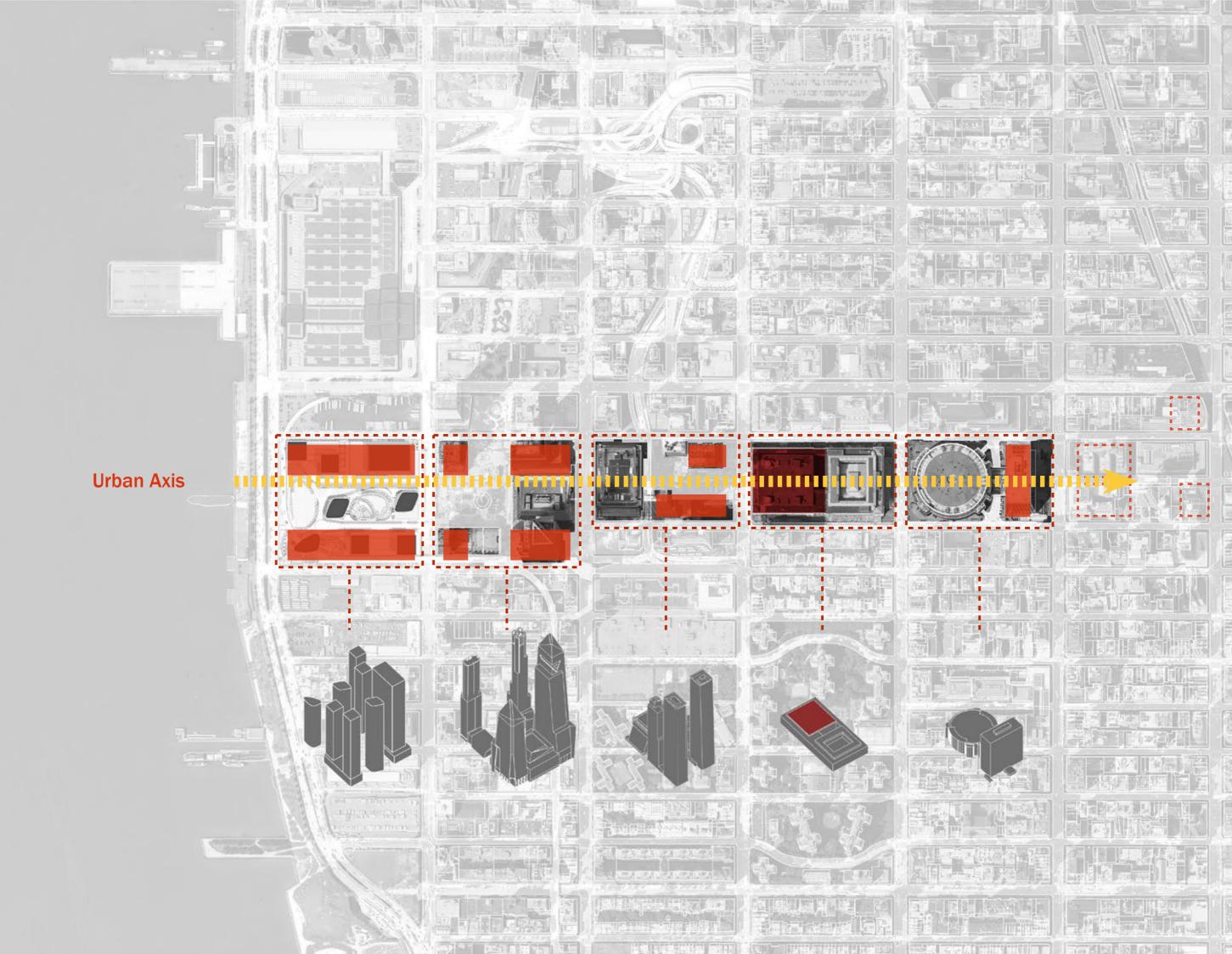


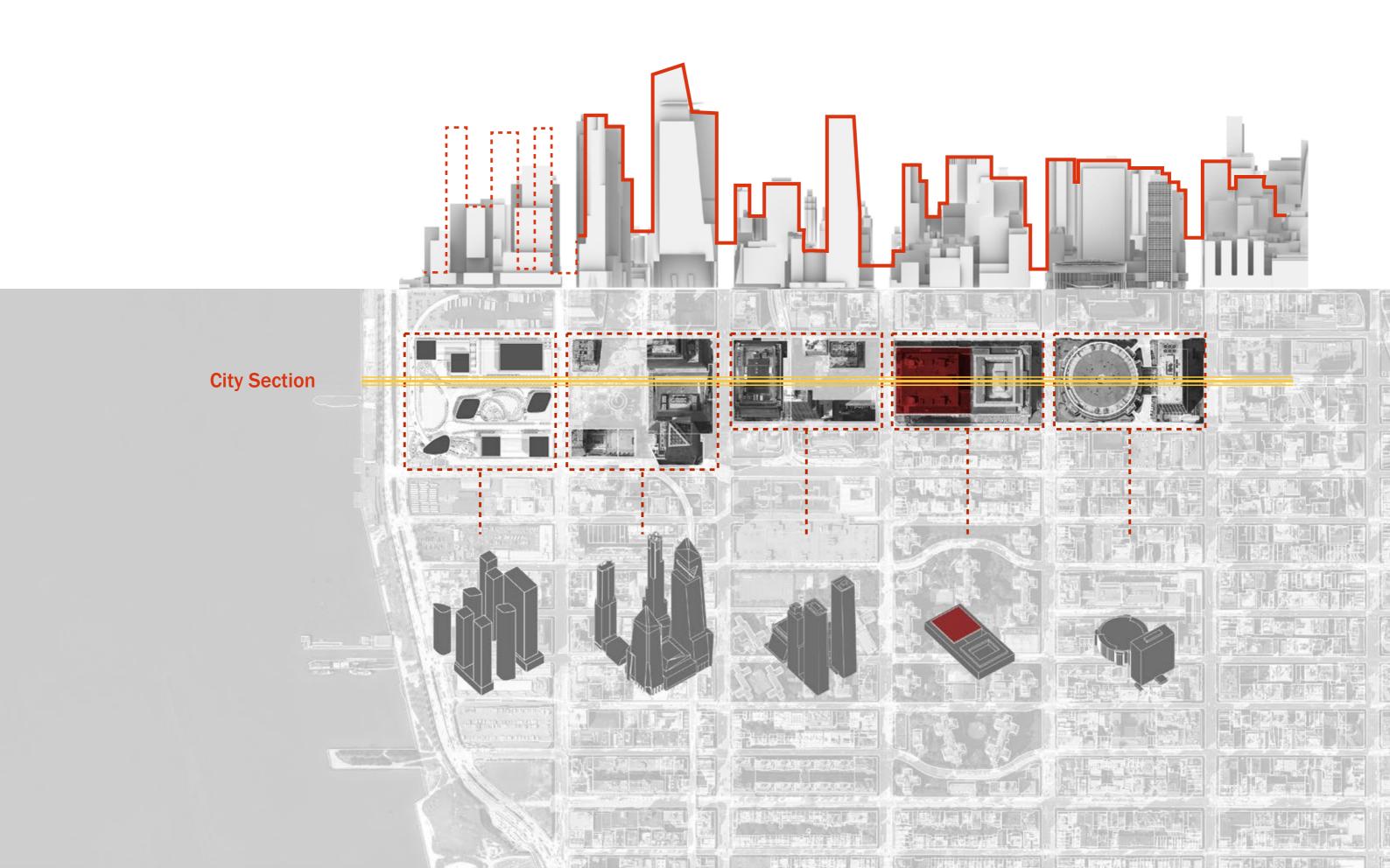


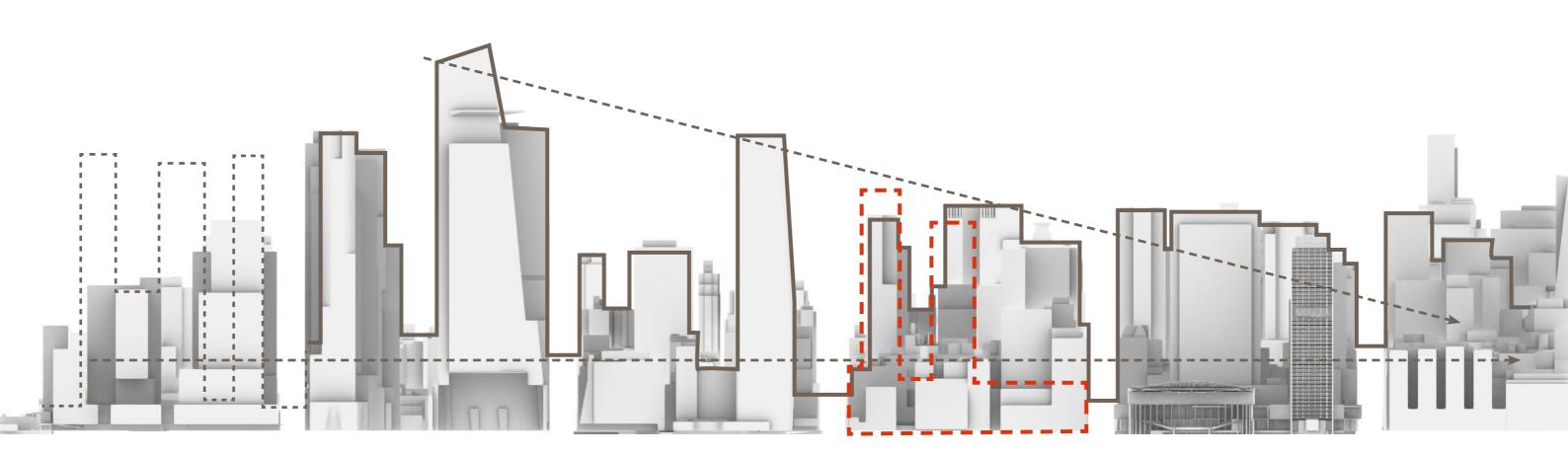
Massing Research



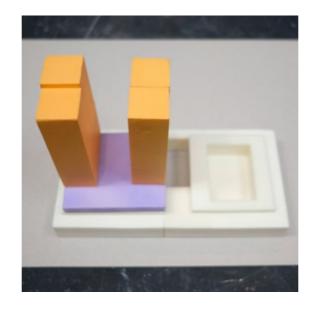
Massing Research

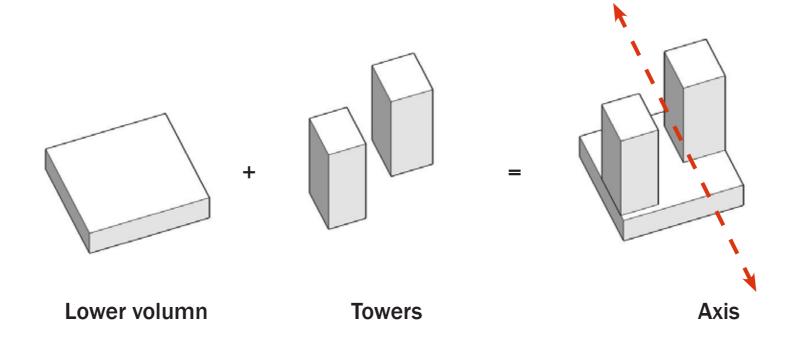


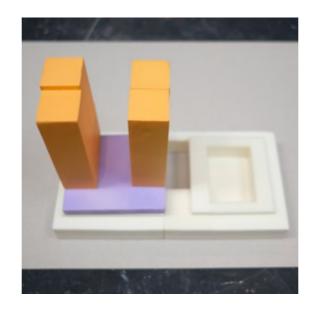


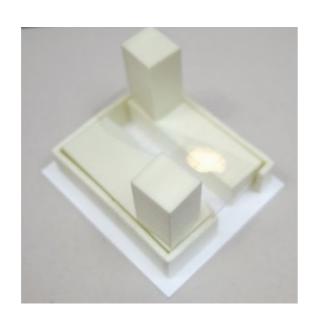


**City Section** 









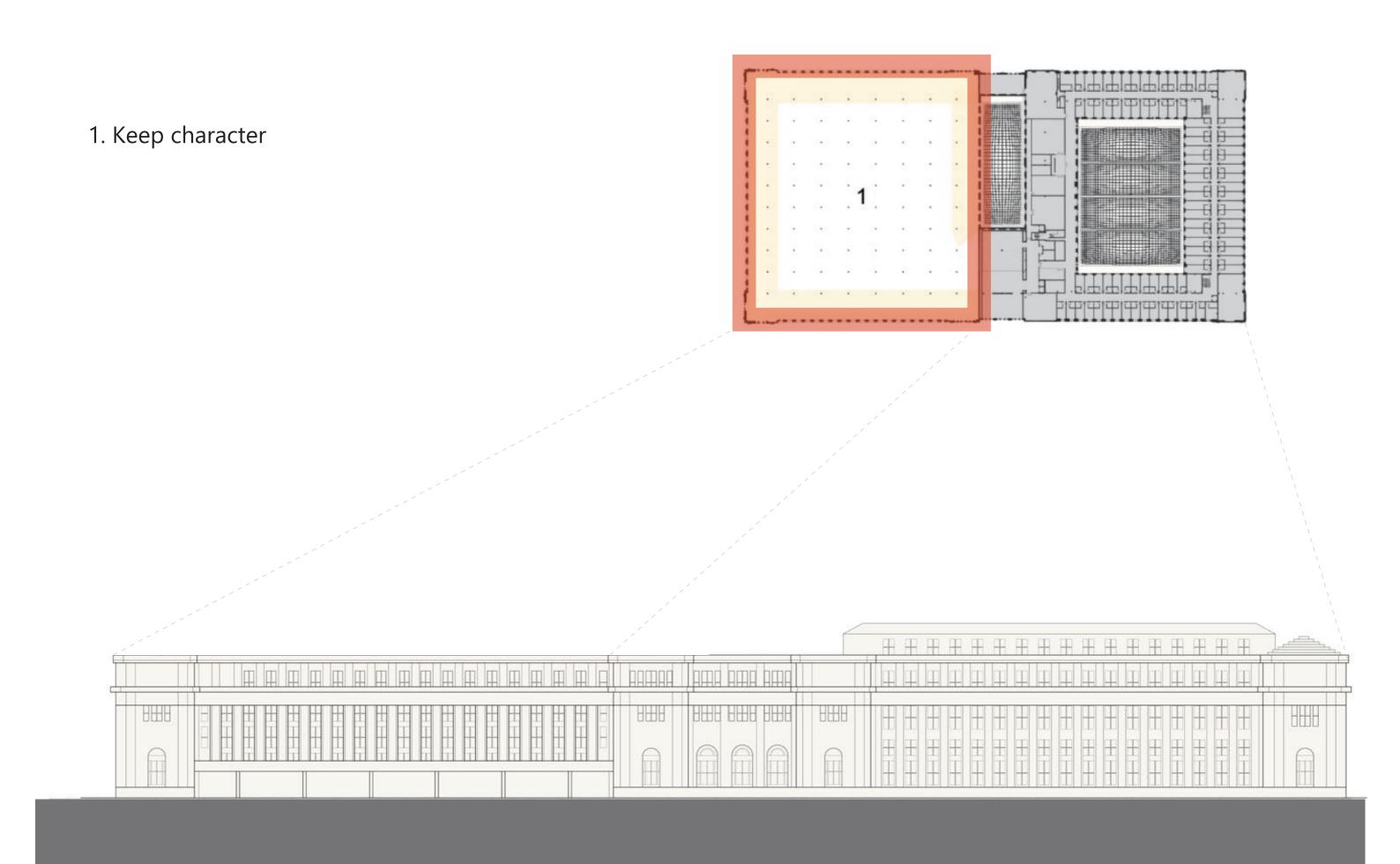


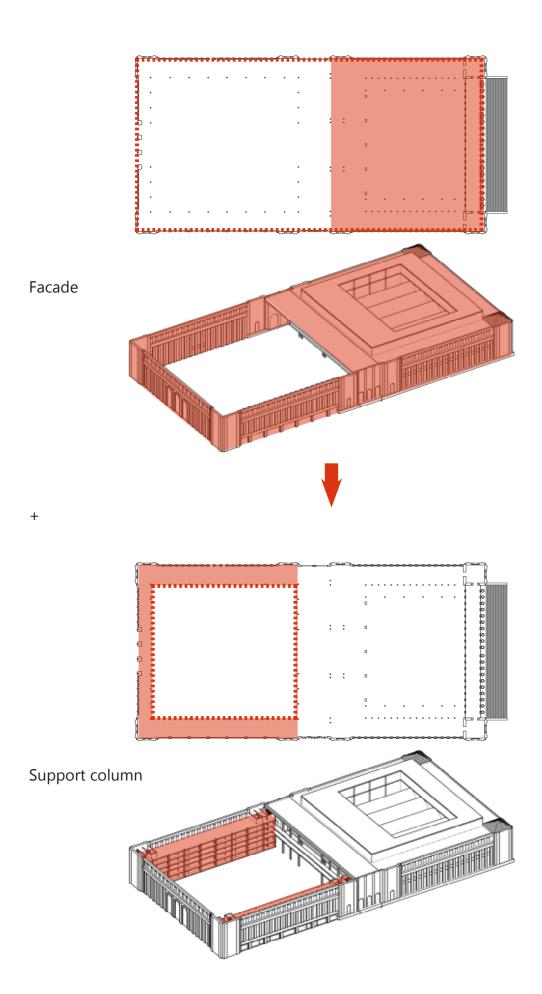


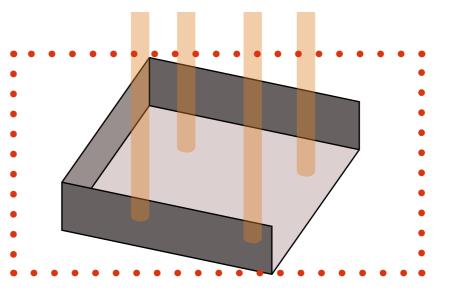
Massing Research

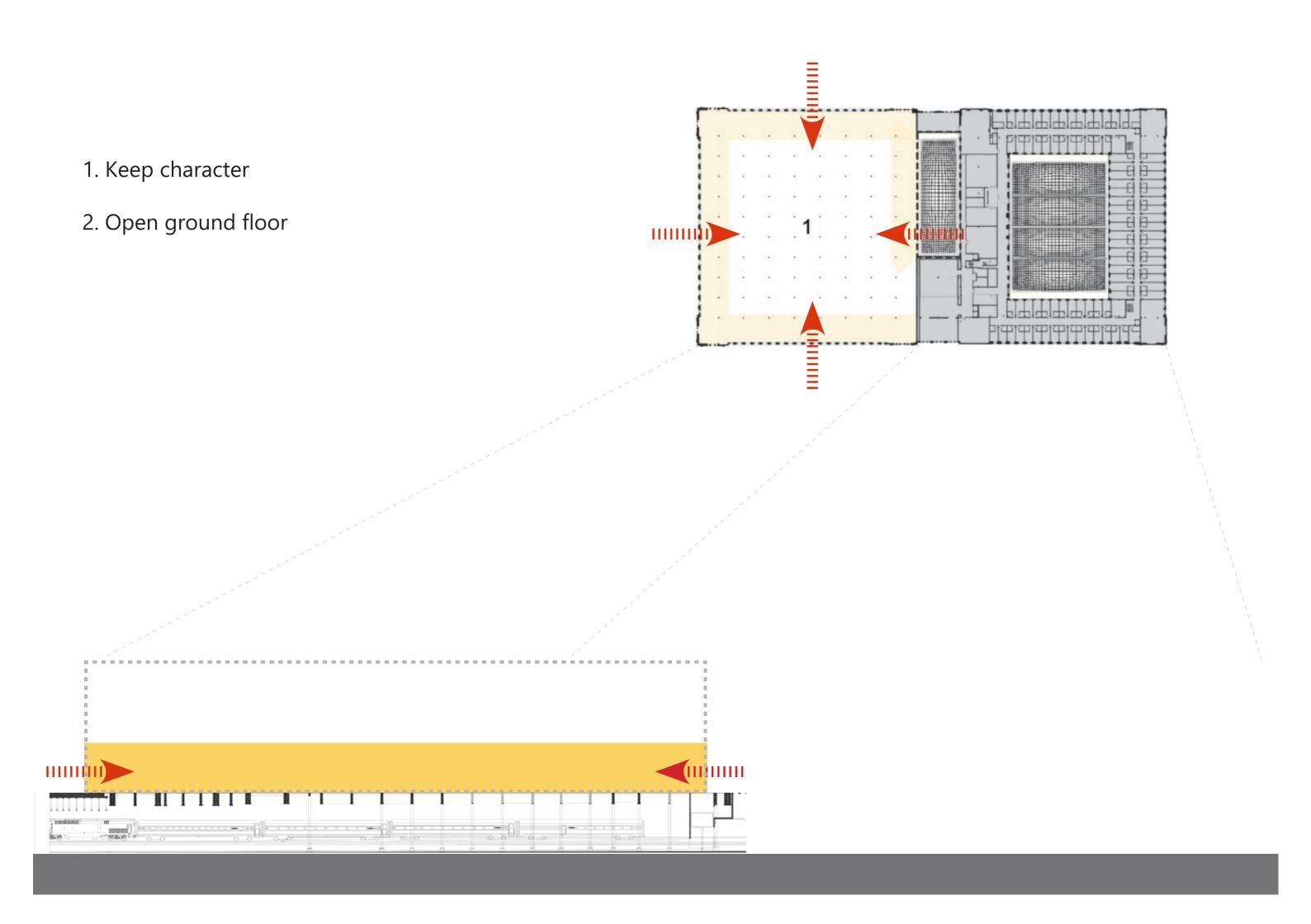


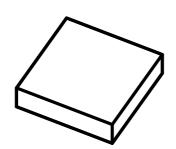
# **Building Approach**



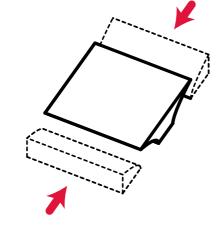




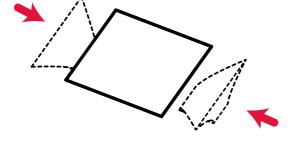




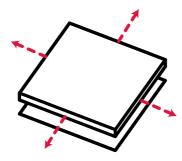


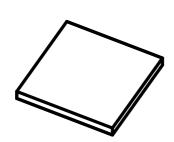


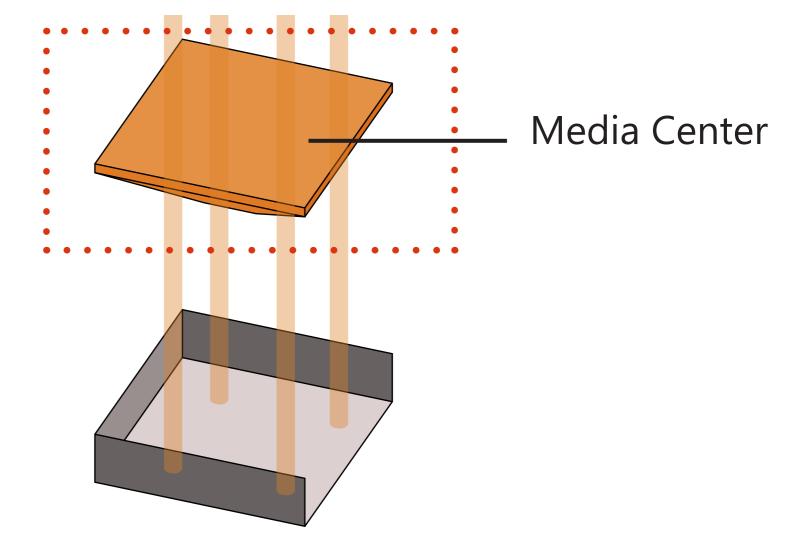
Entrance

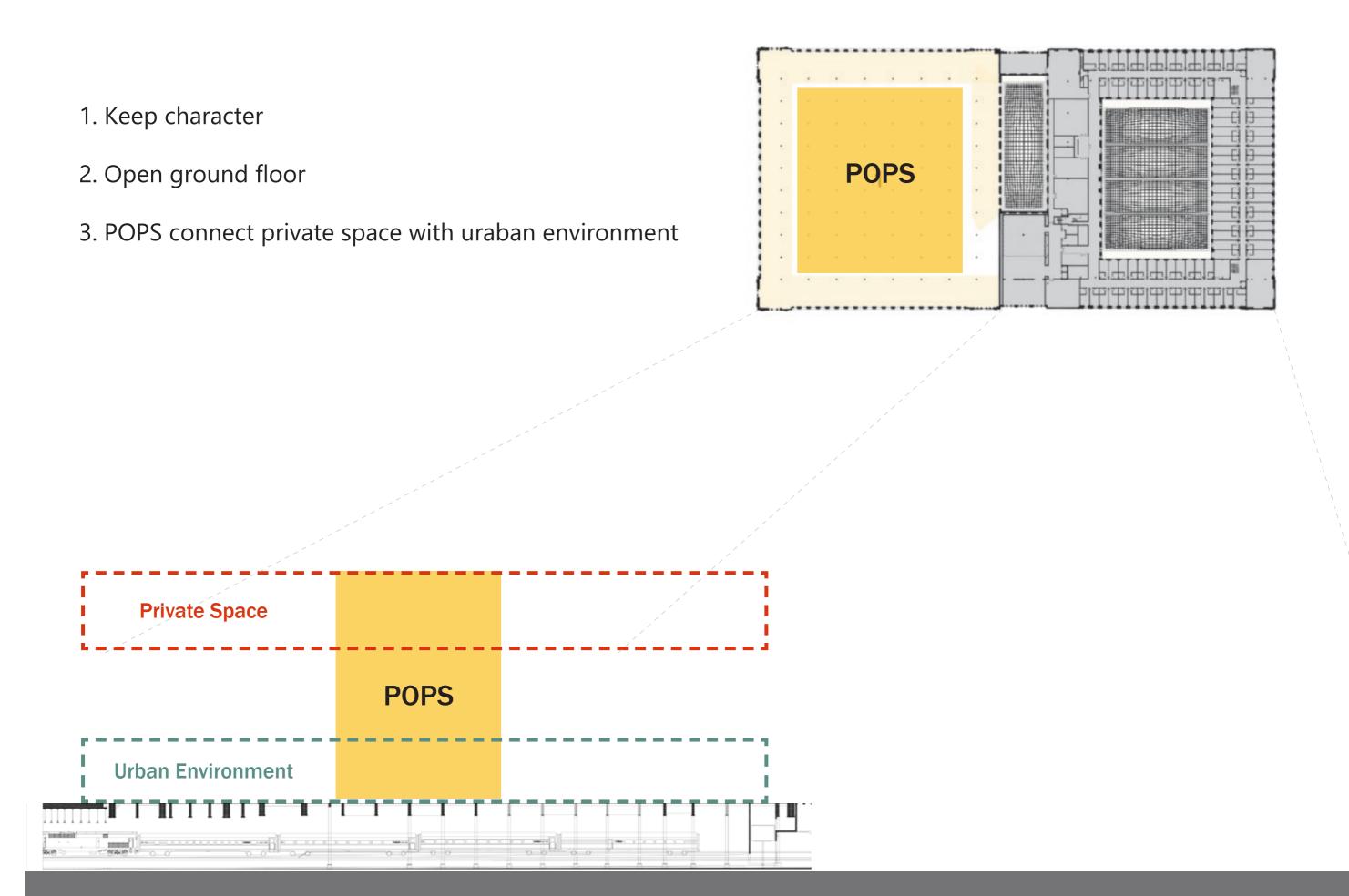


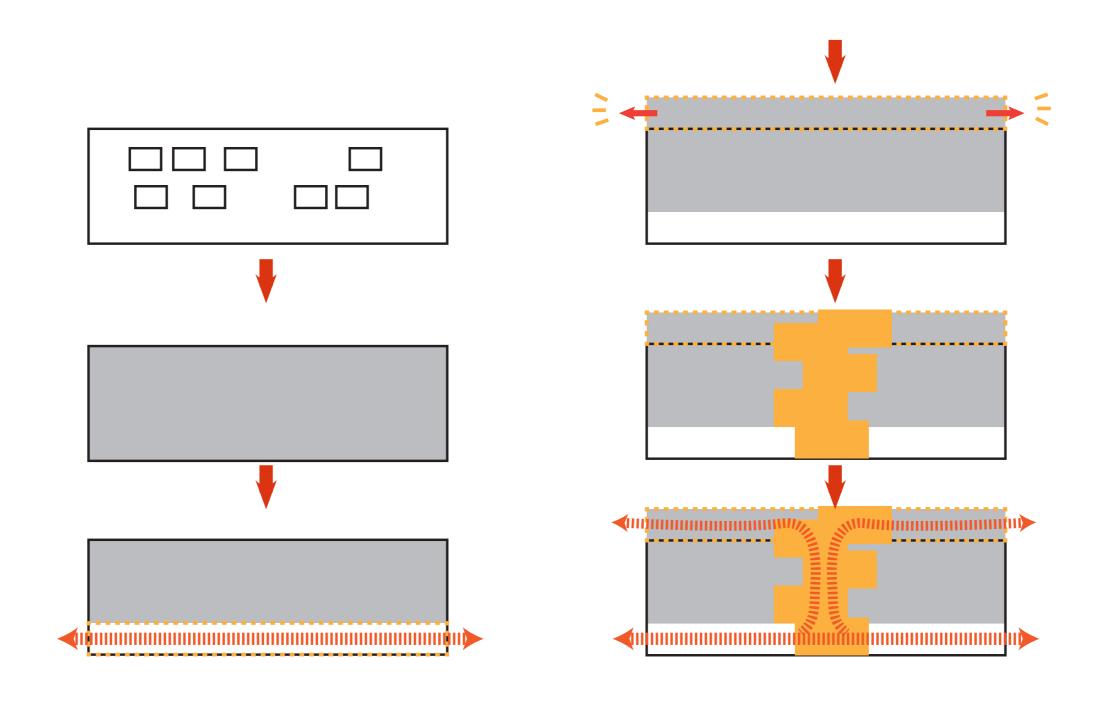
Views



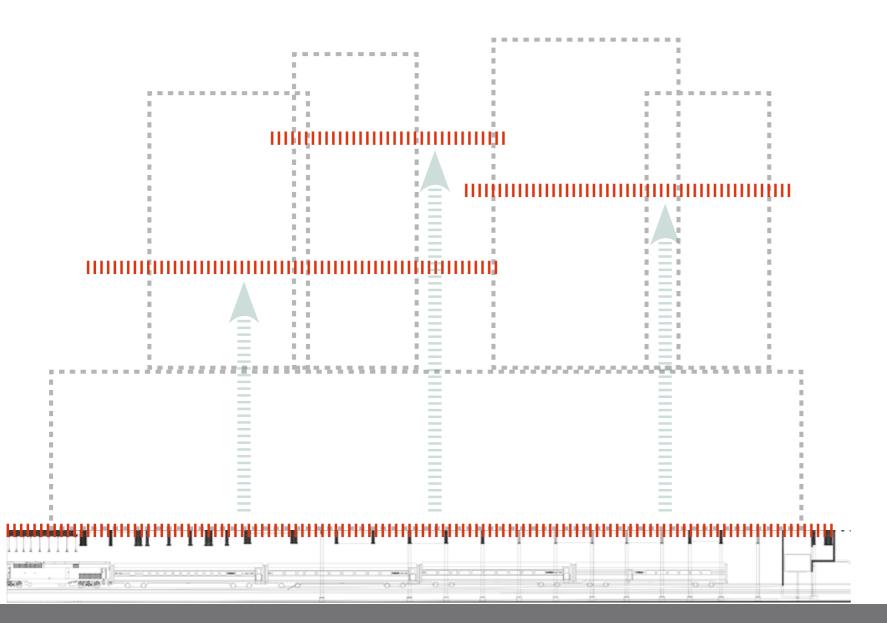


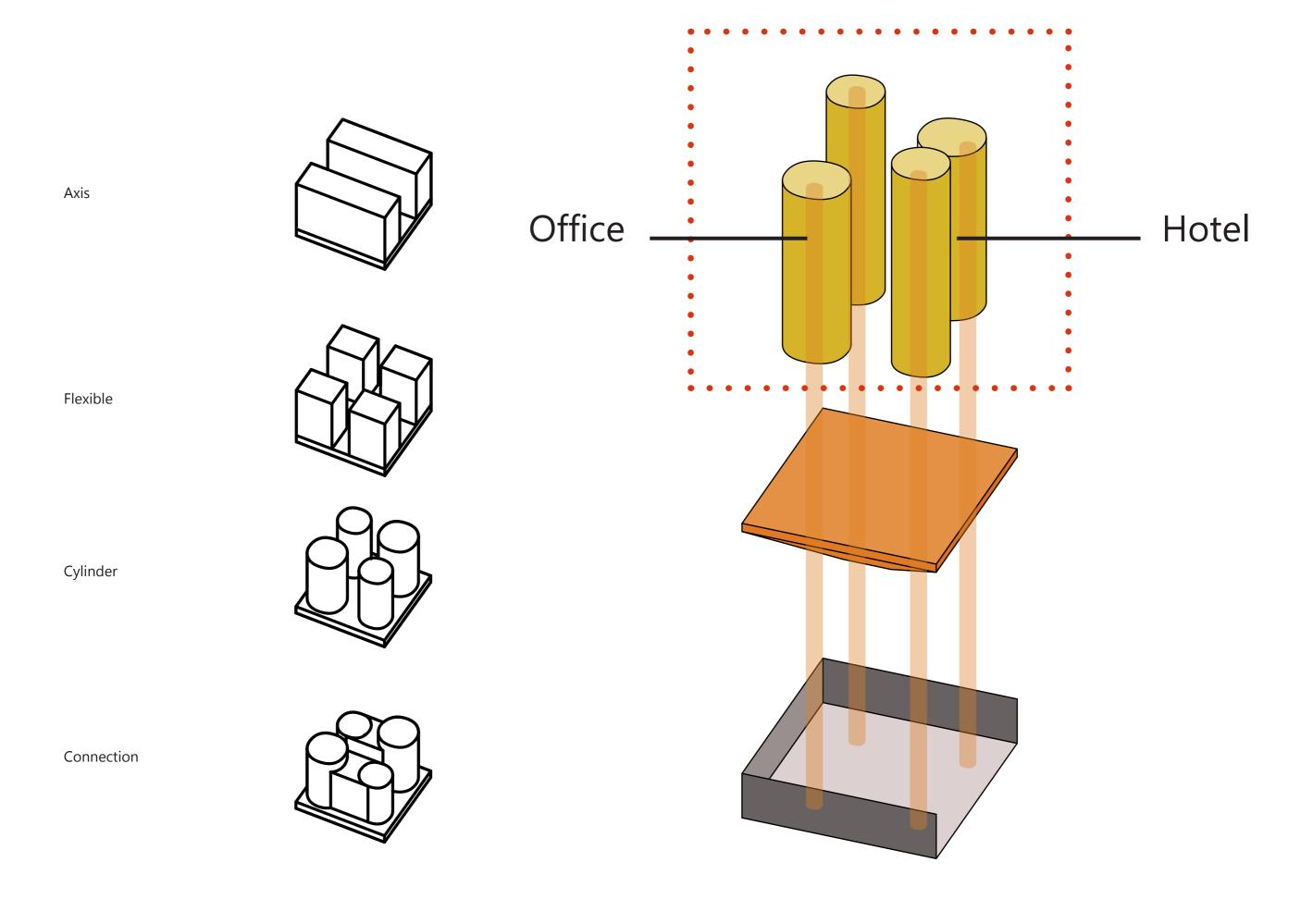


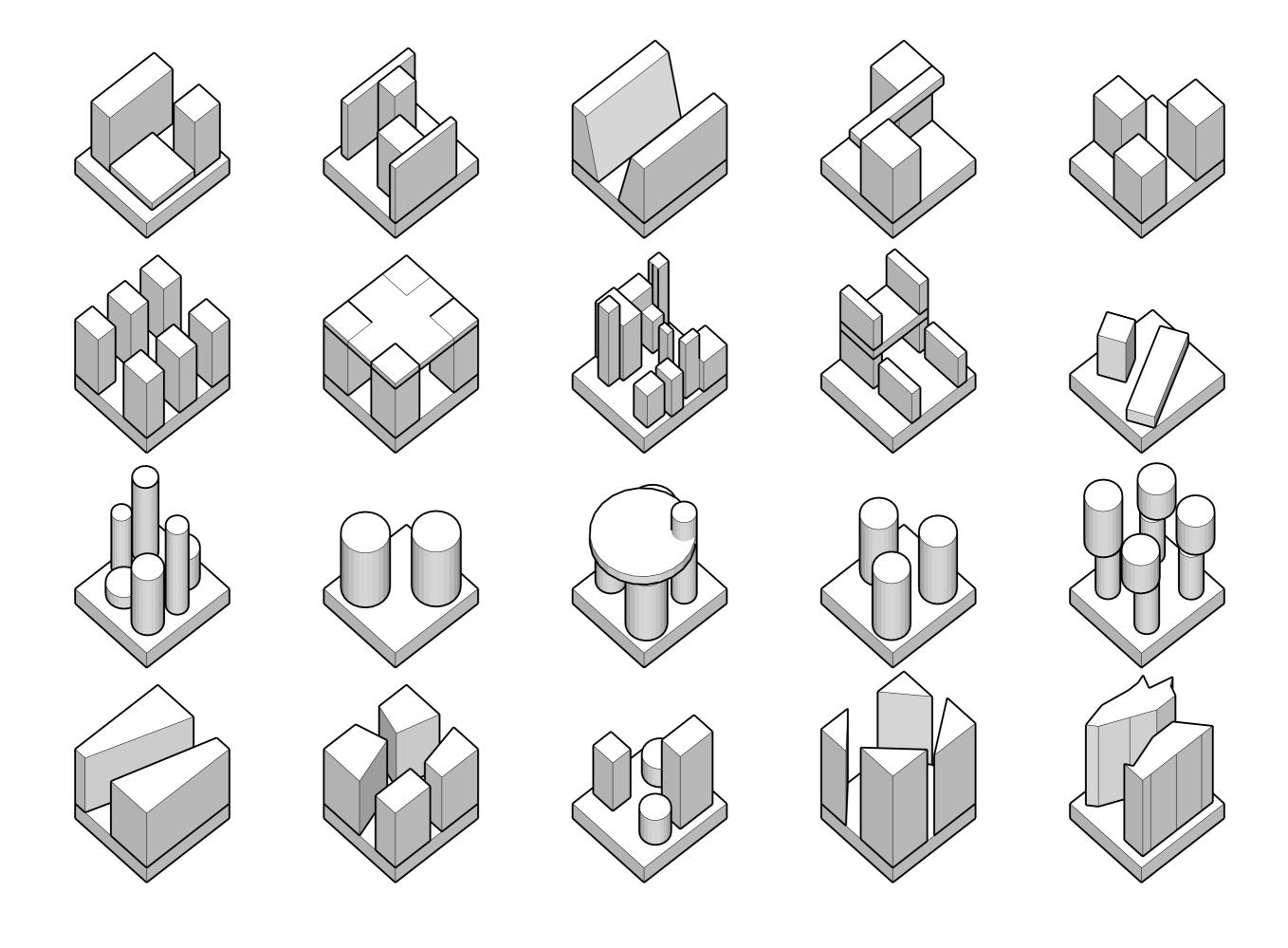


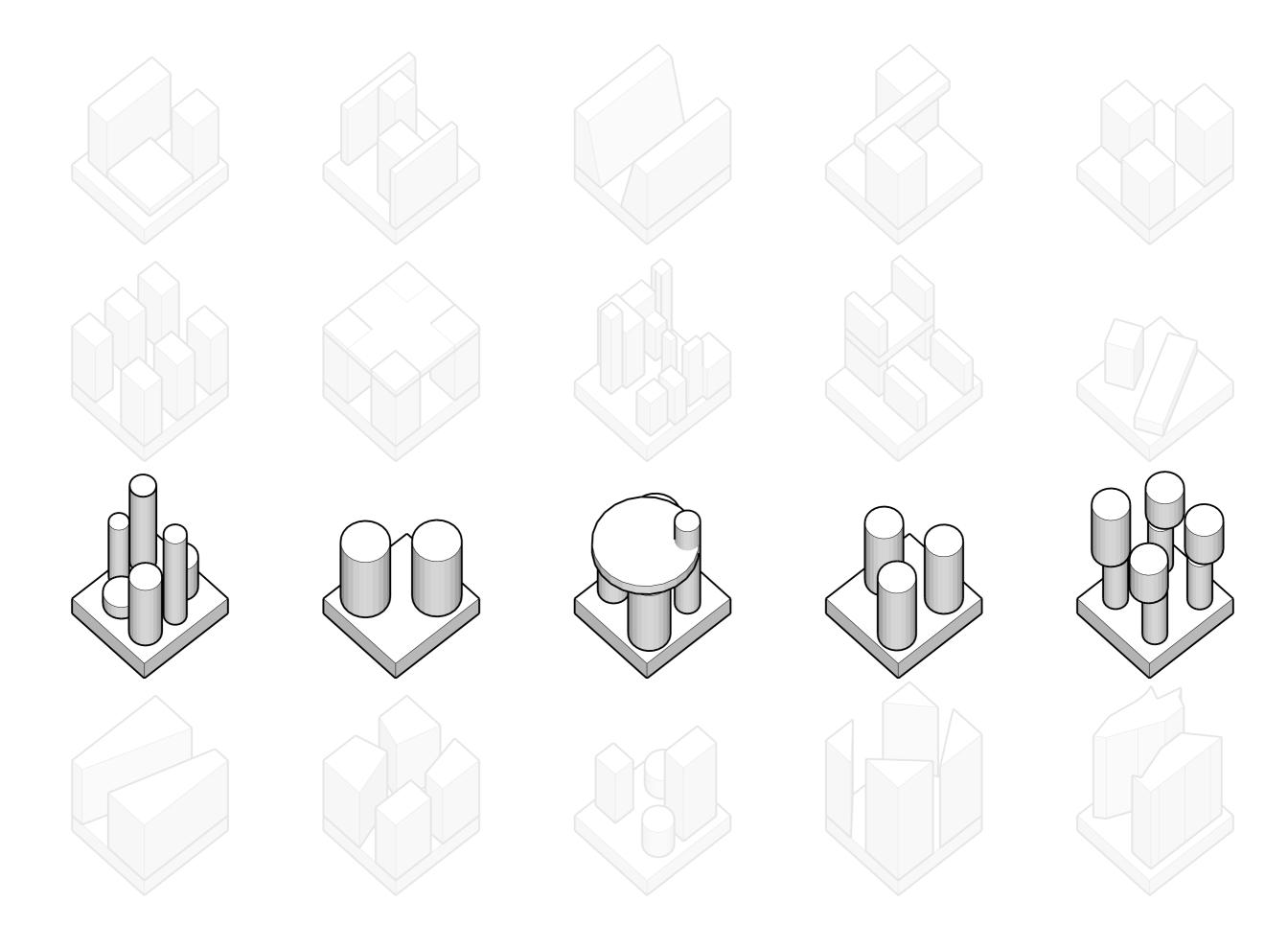


- 1. Keep character
- 2. Open ground floor
- 3. POPS connect private space with uraban environment
- 4. Extend city ground

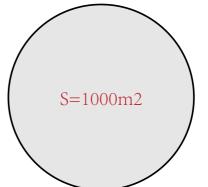








S=1000m2



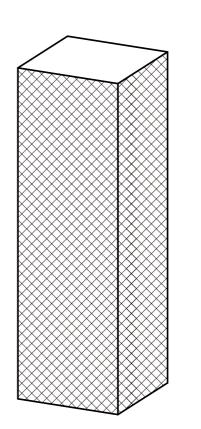
Why

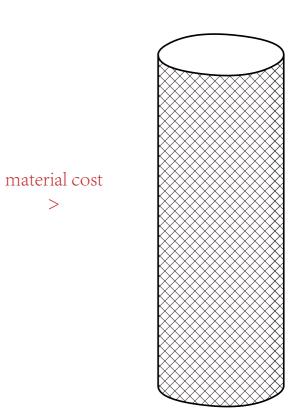
Sight

Cylinder

No direction

Min Material





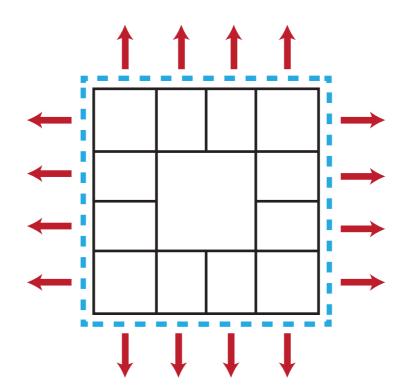
Min Material

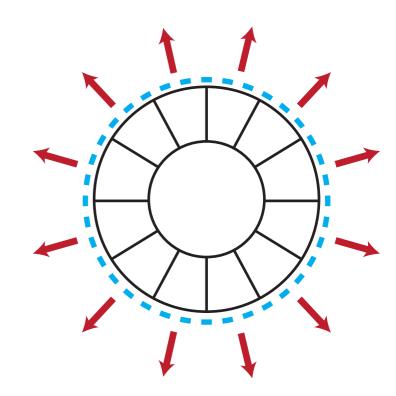
Why

Cylinder

Sight

No direction





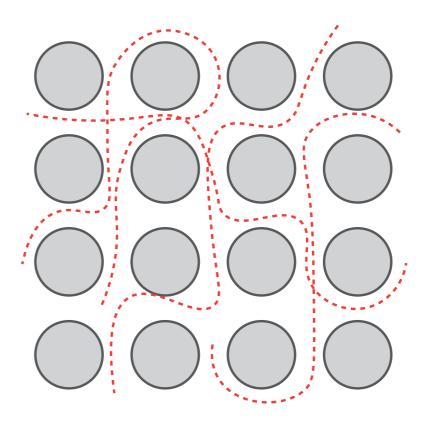
Min Material

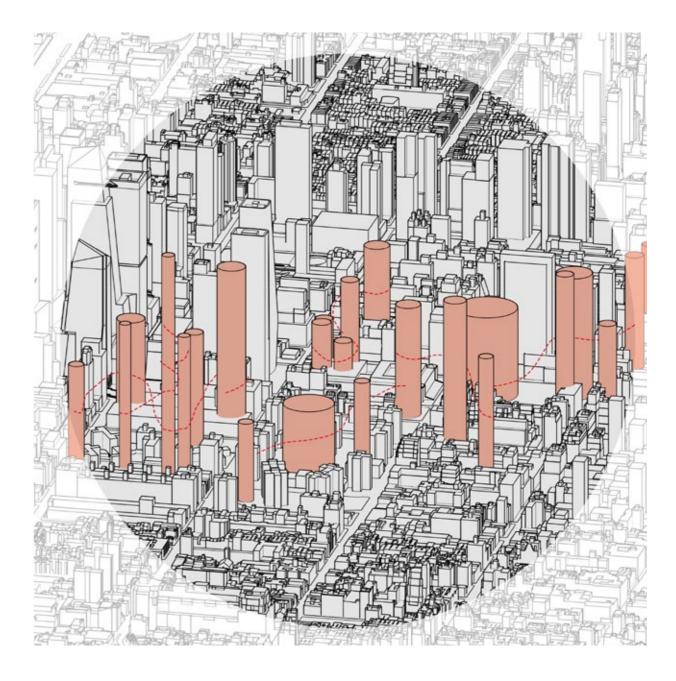
Why

Sight

Cylinder

No direction





Min Material

Why

Sight

Cylinder

No direction



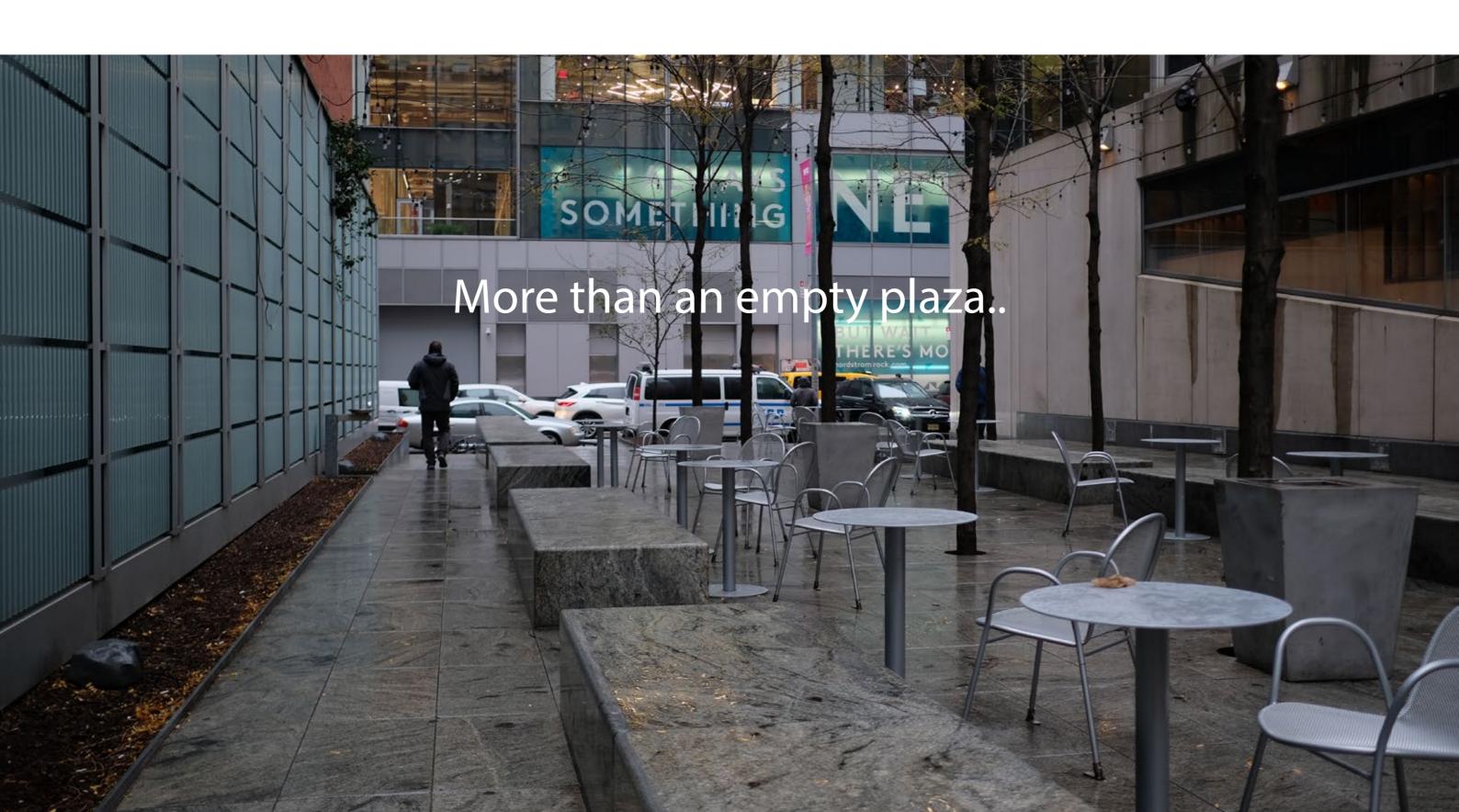


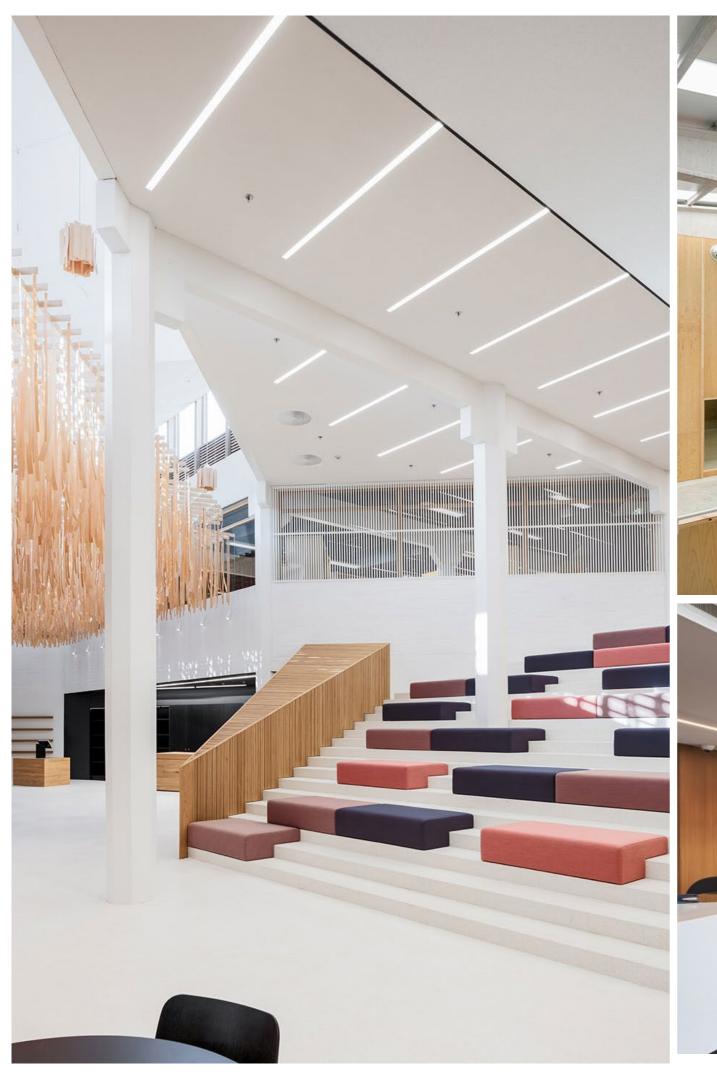


# 85 HELVET

### Space

#### What POPS can be?

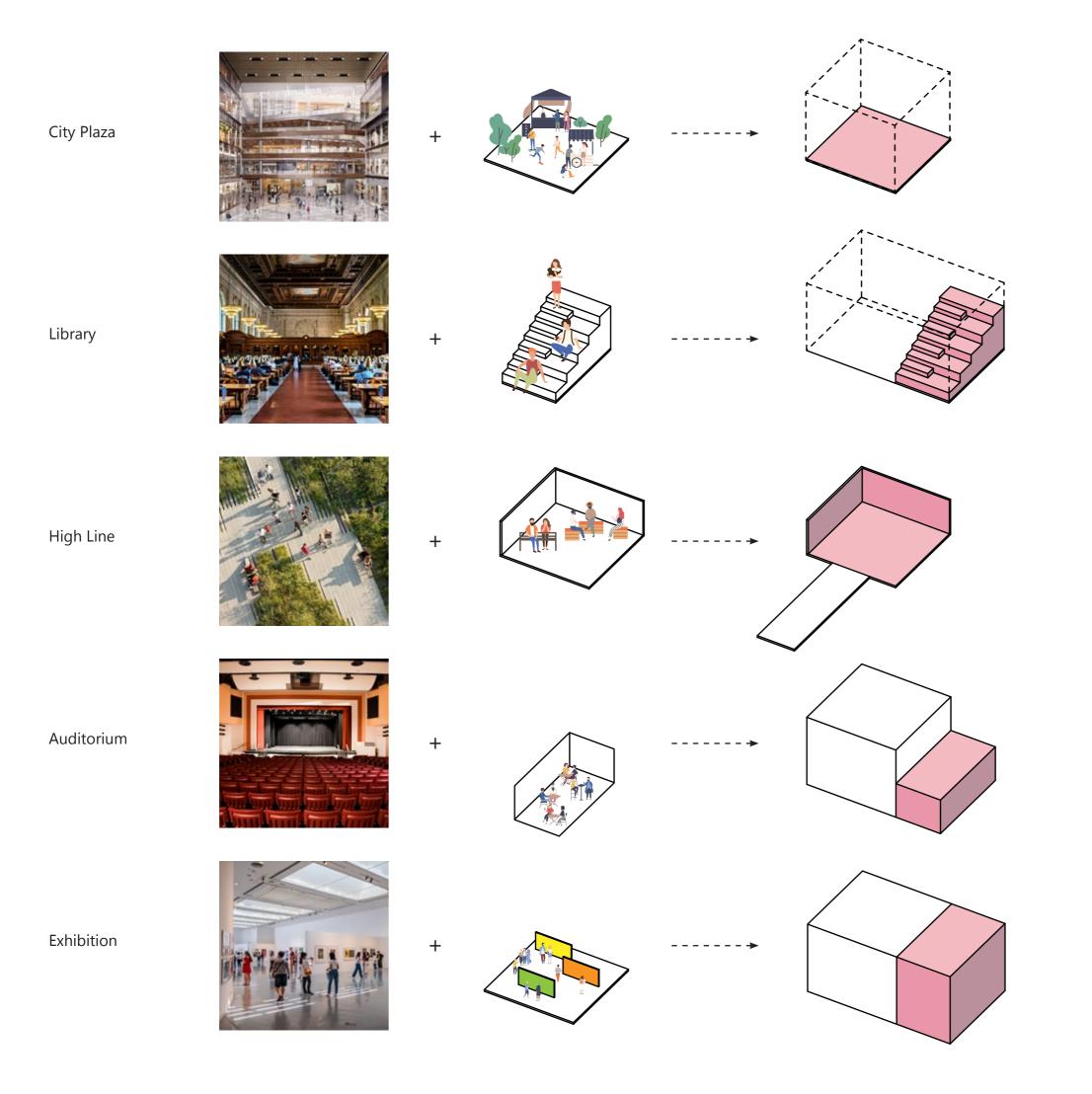




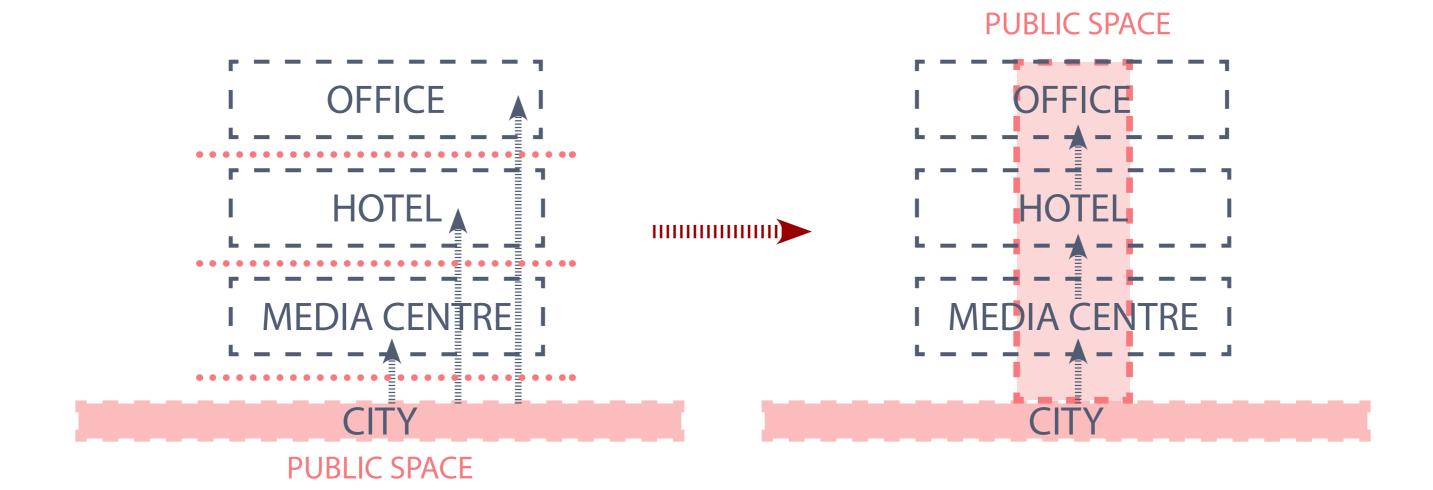


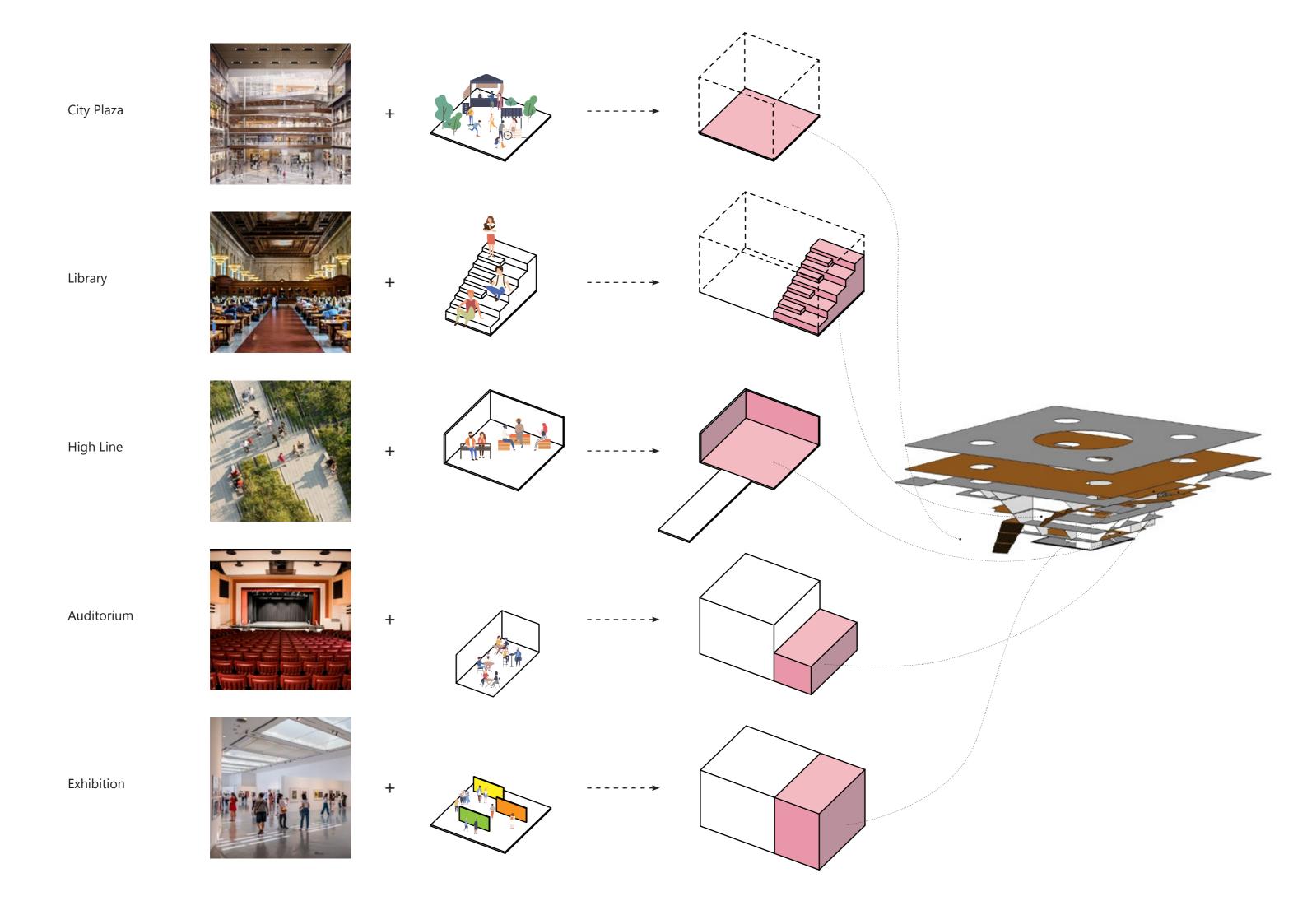


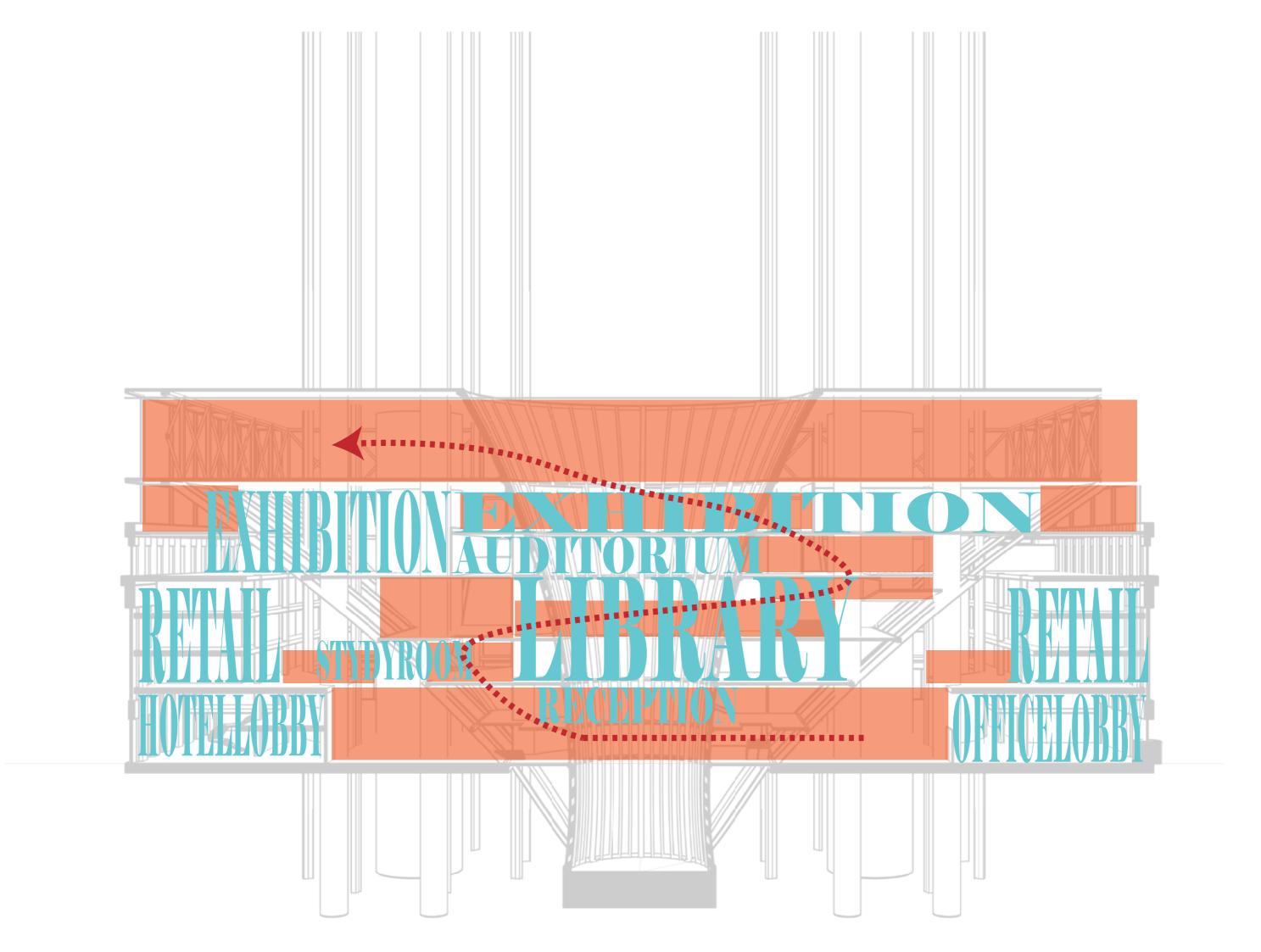


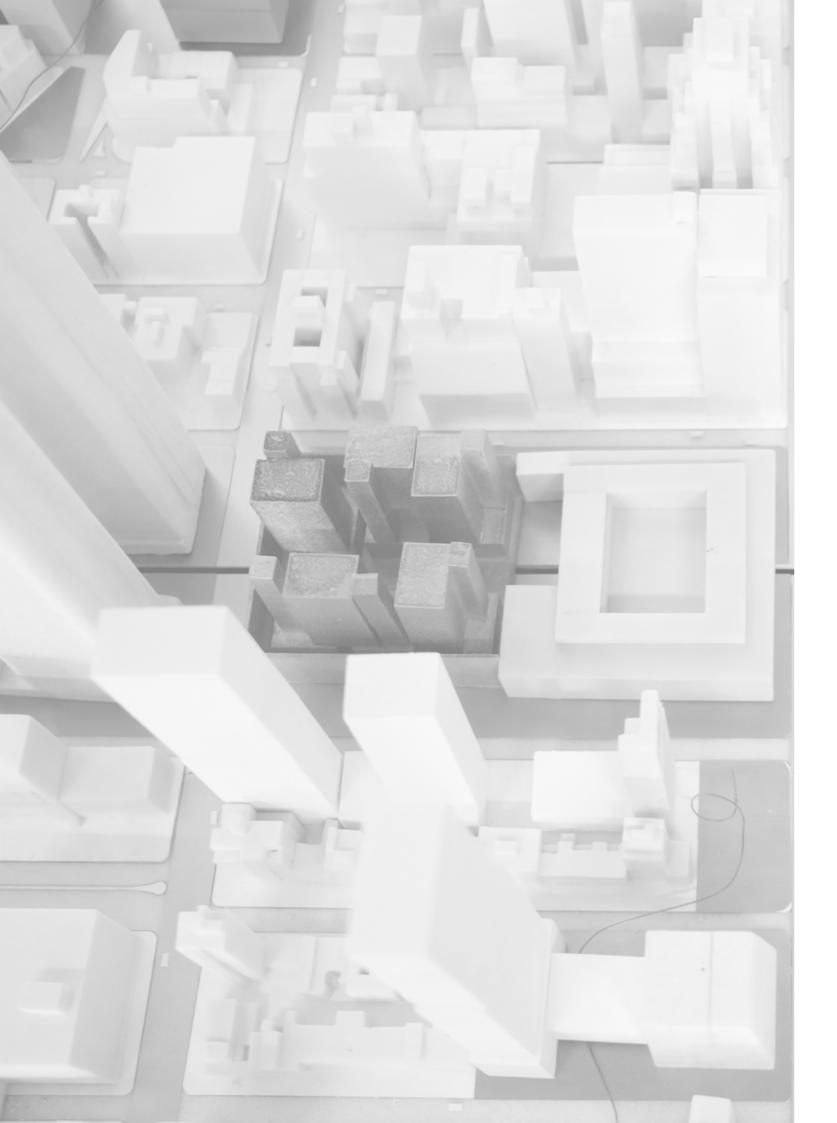


## Where POPS can be?

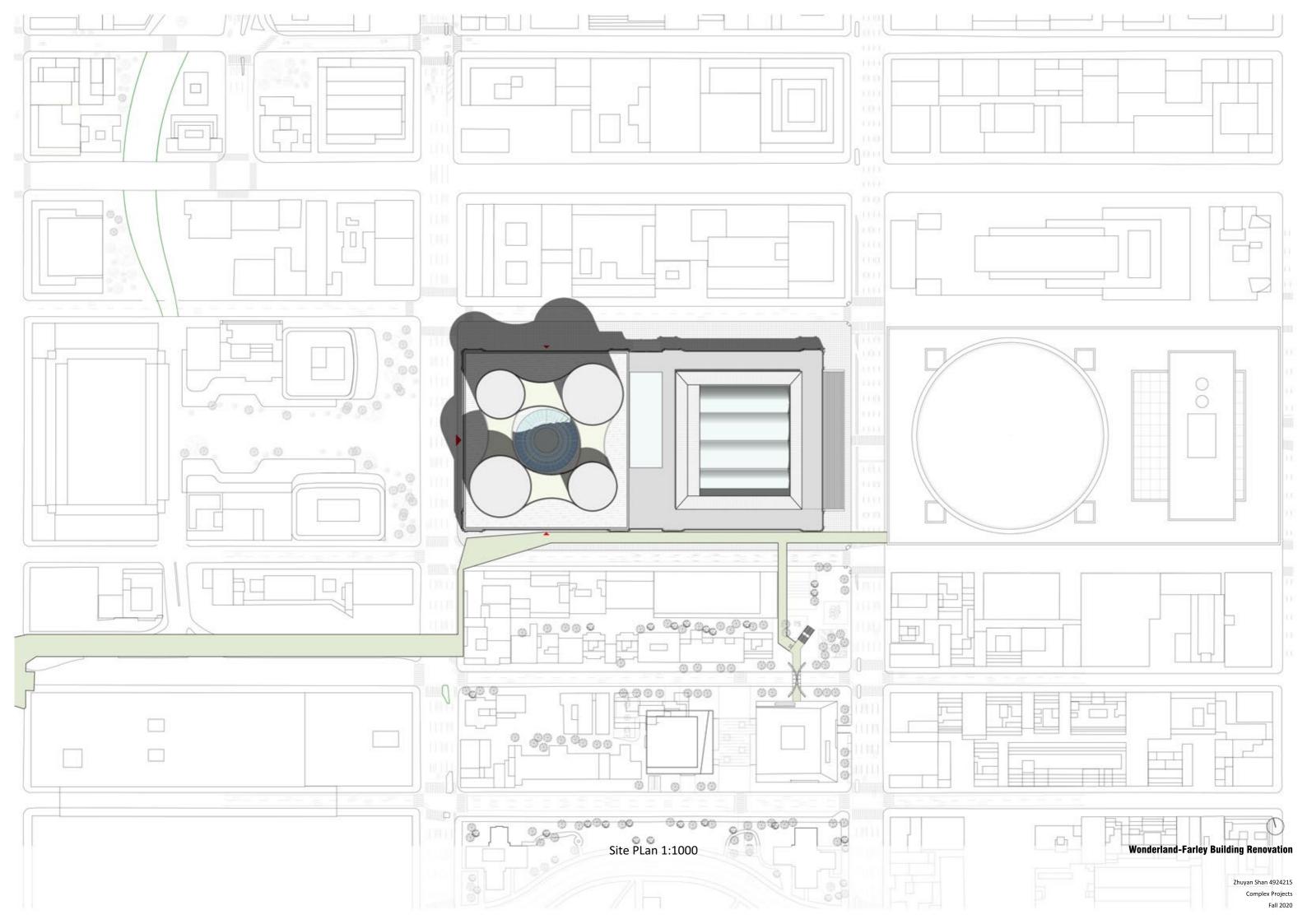


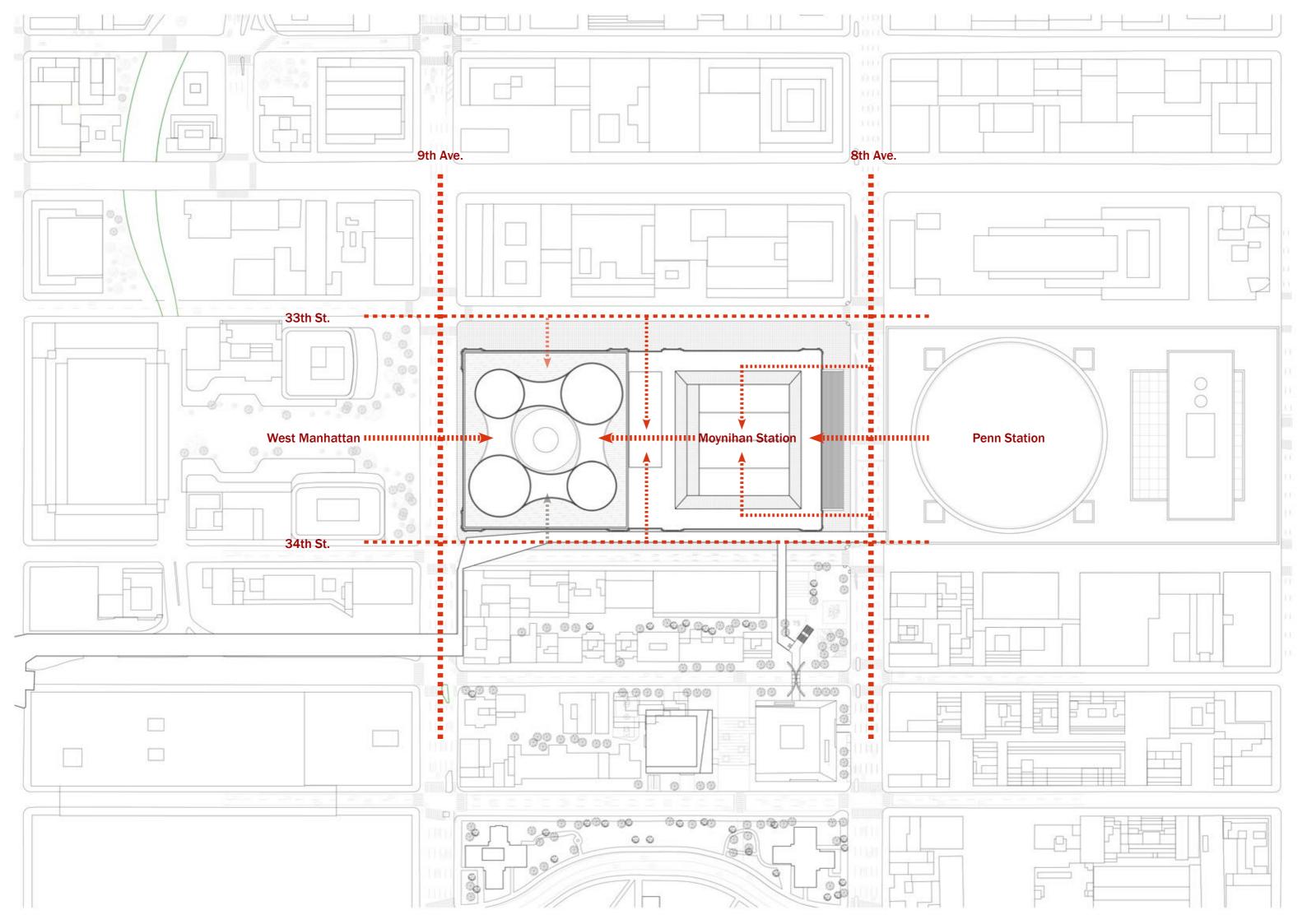


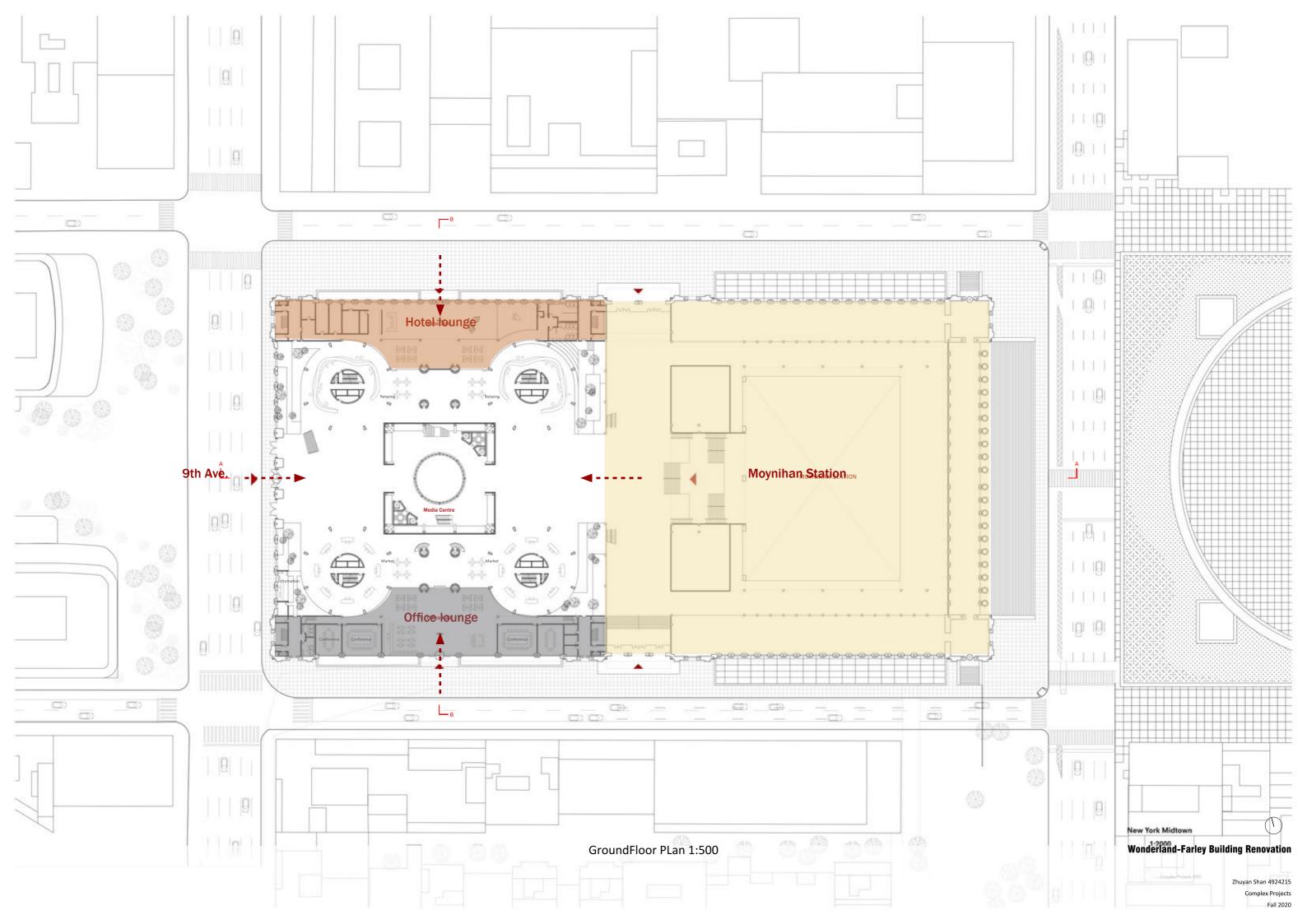


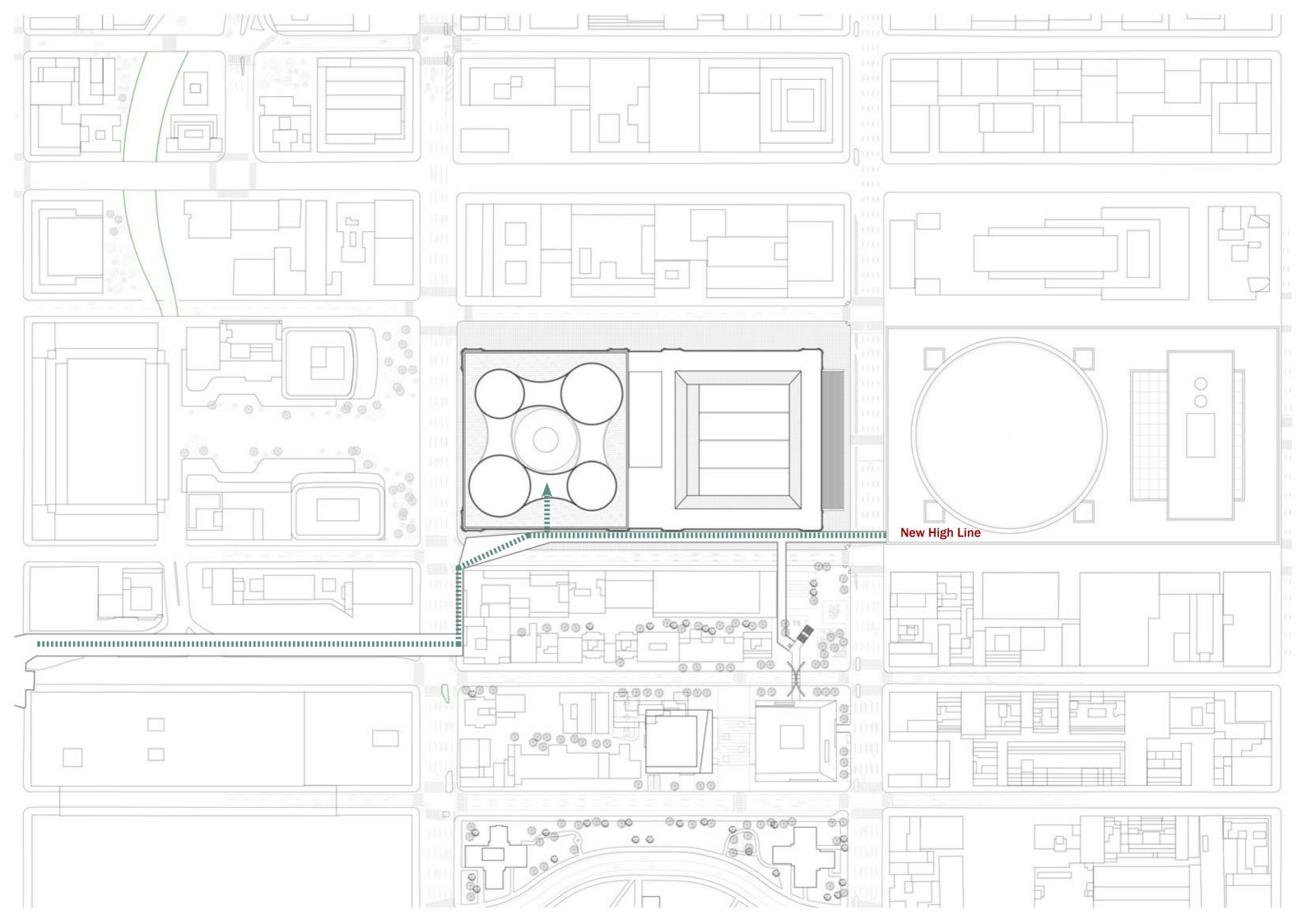


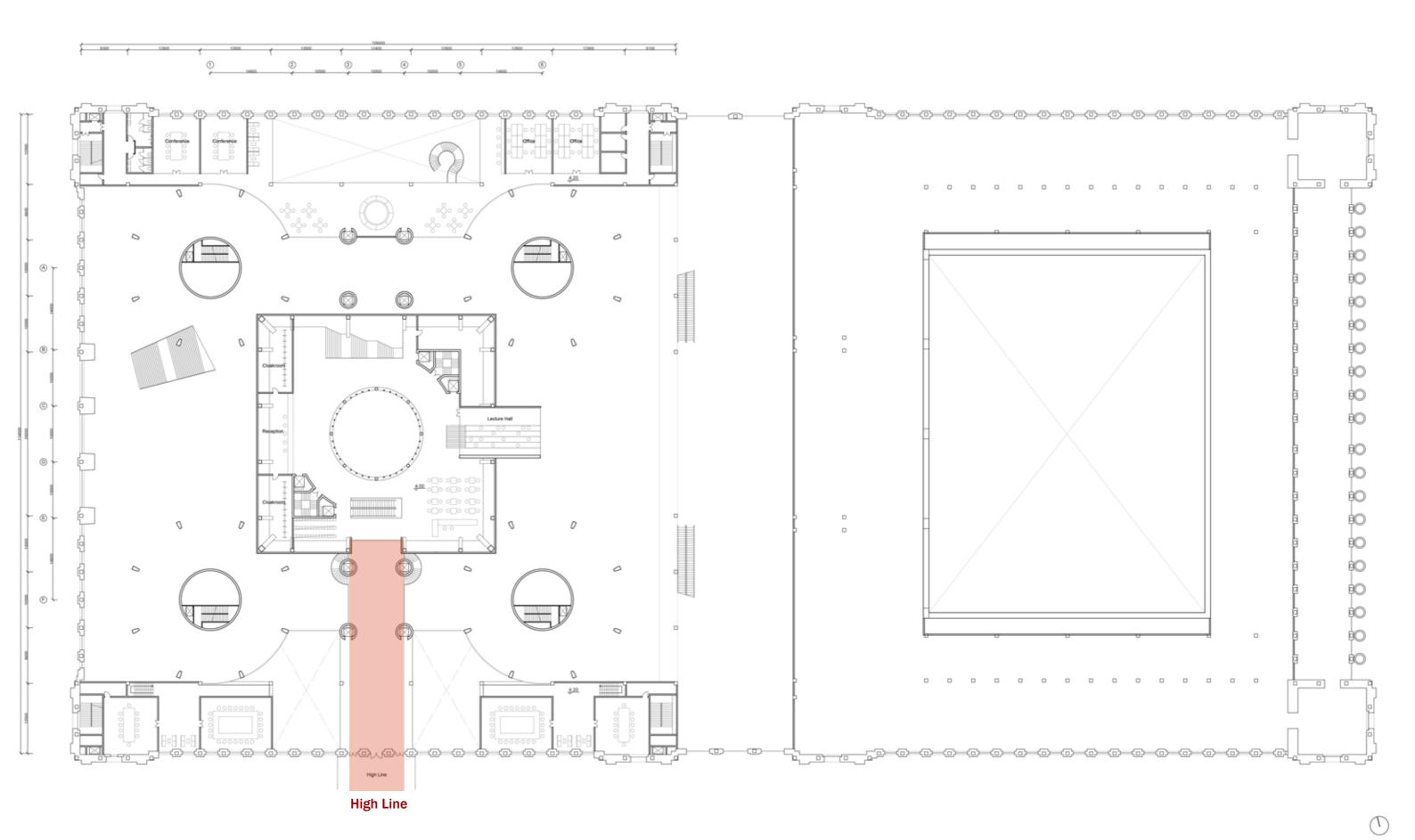
## **Urban Strategy**

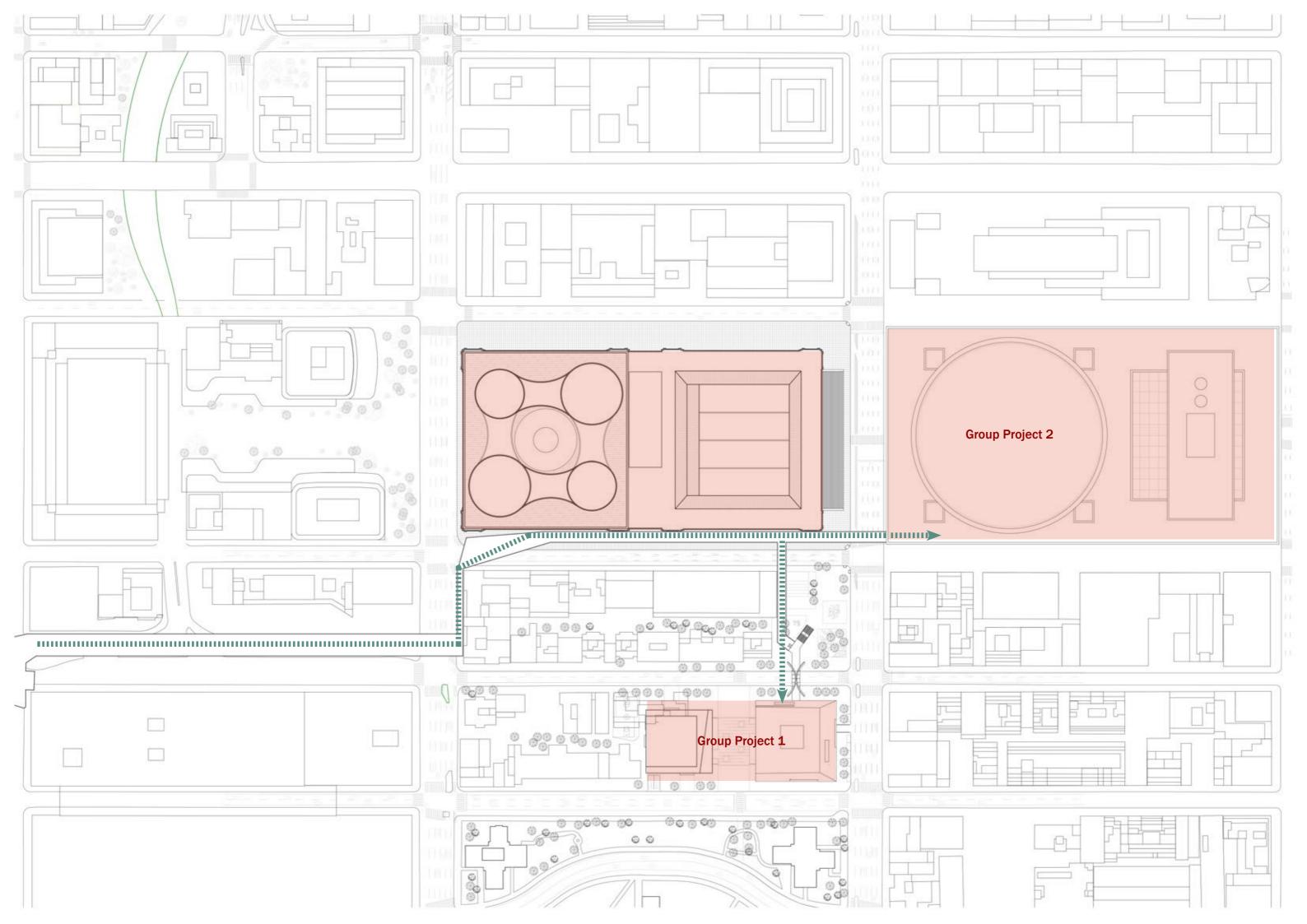


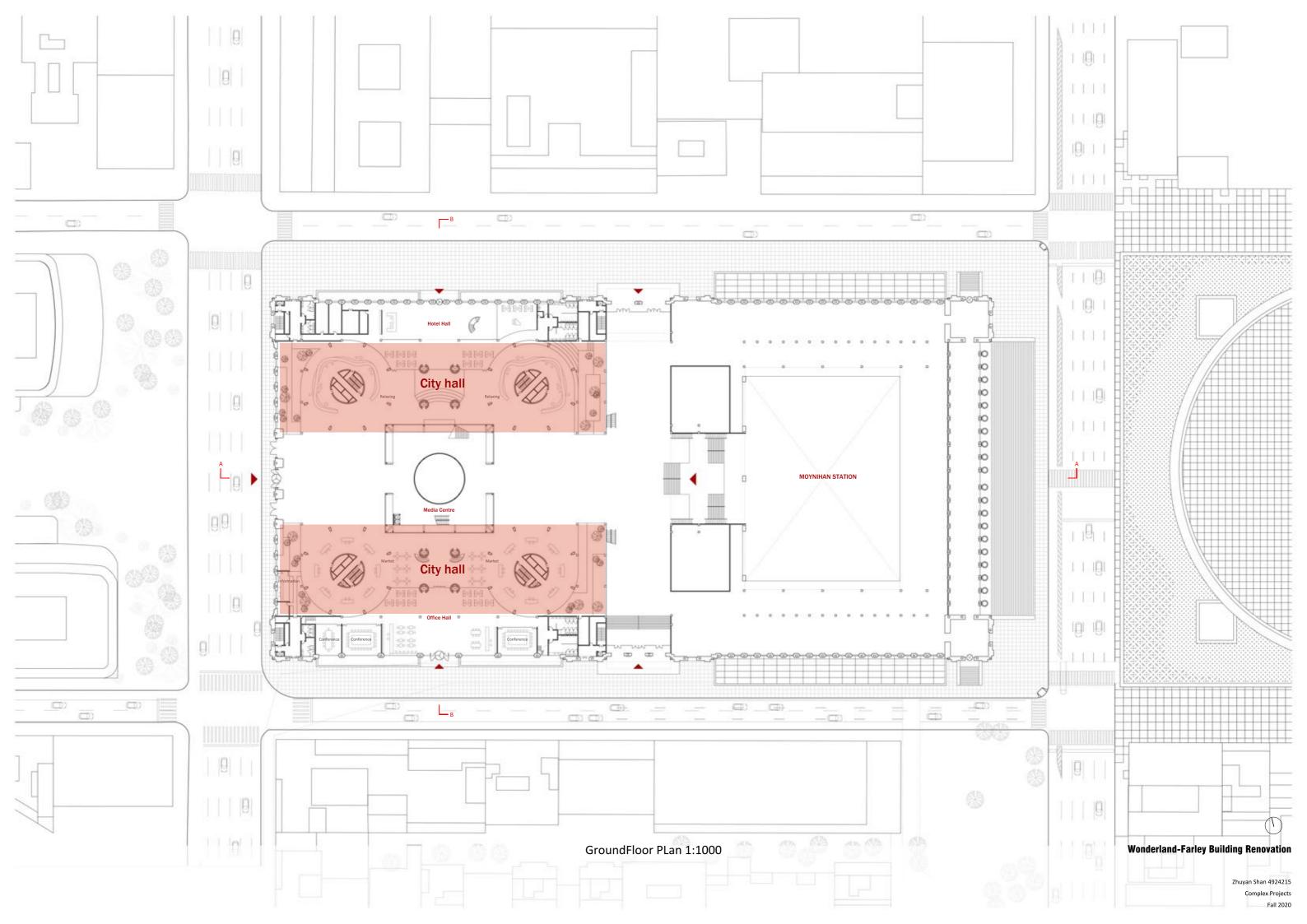


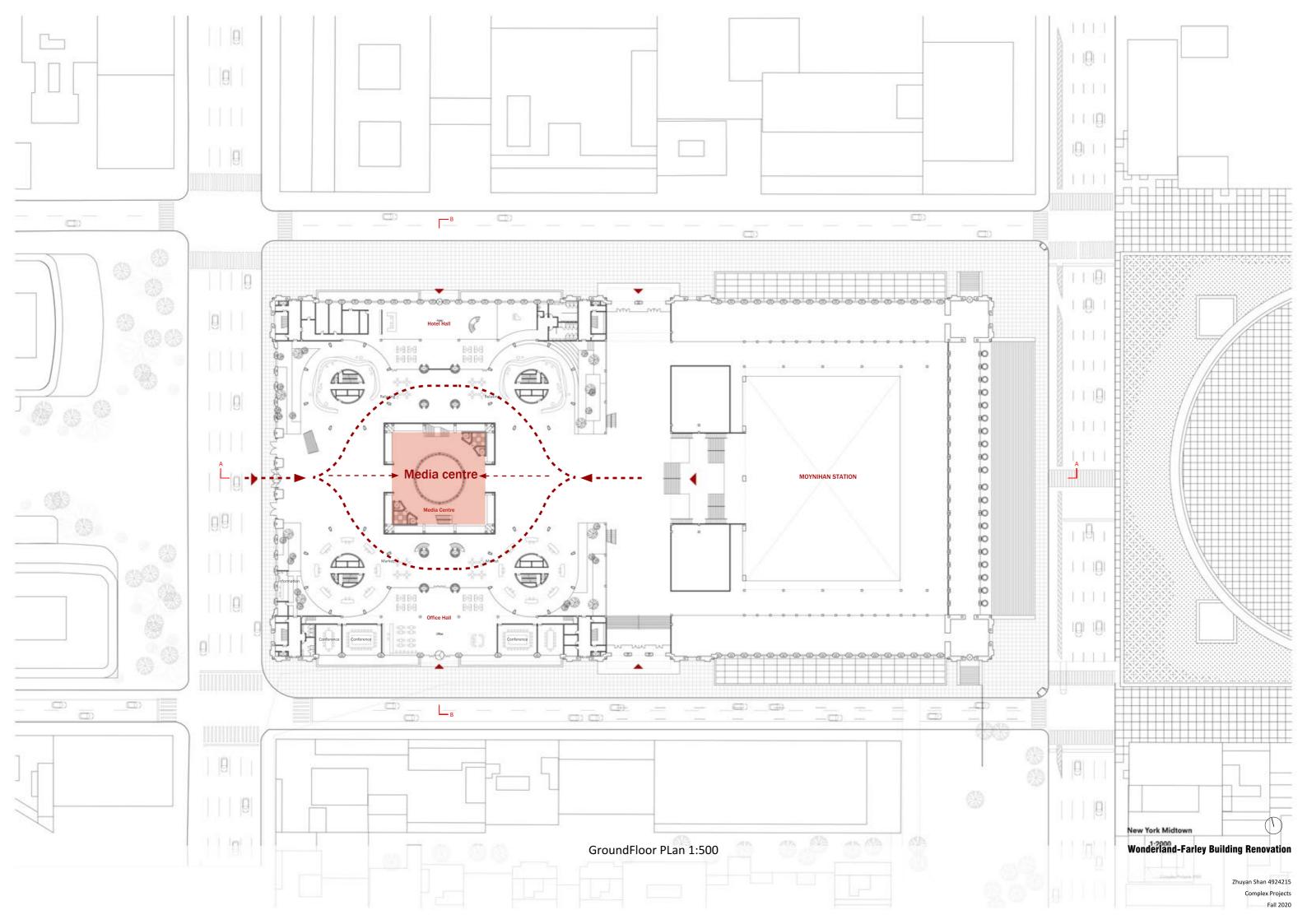


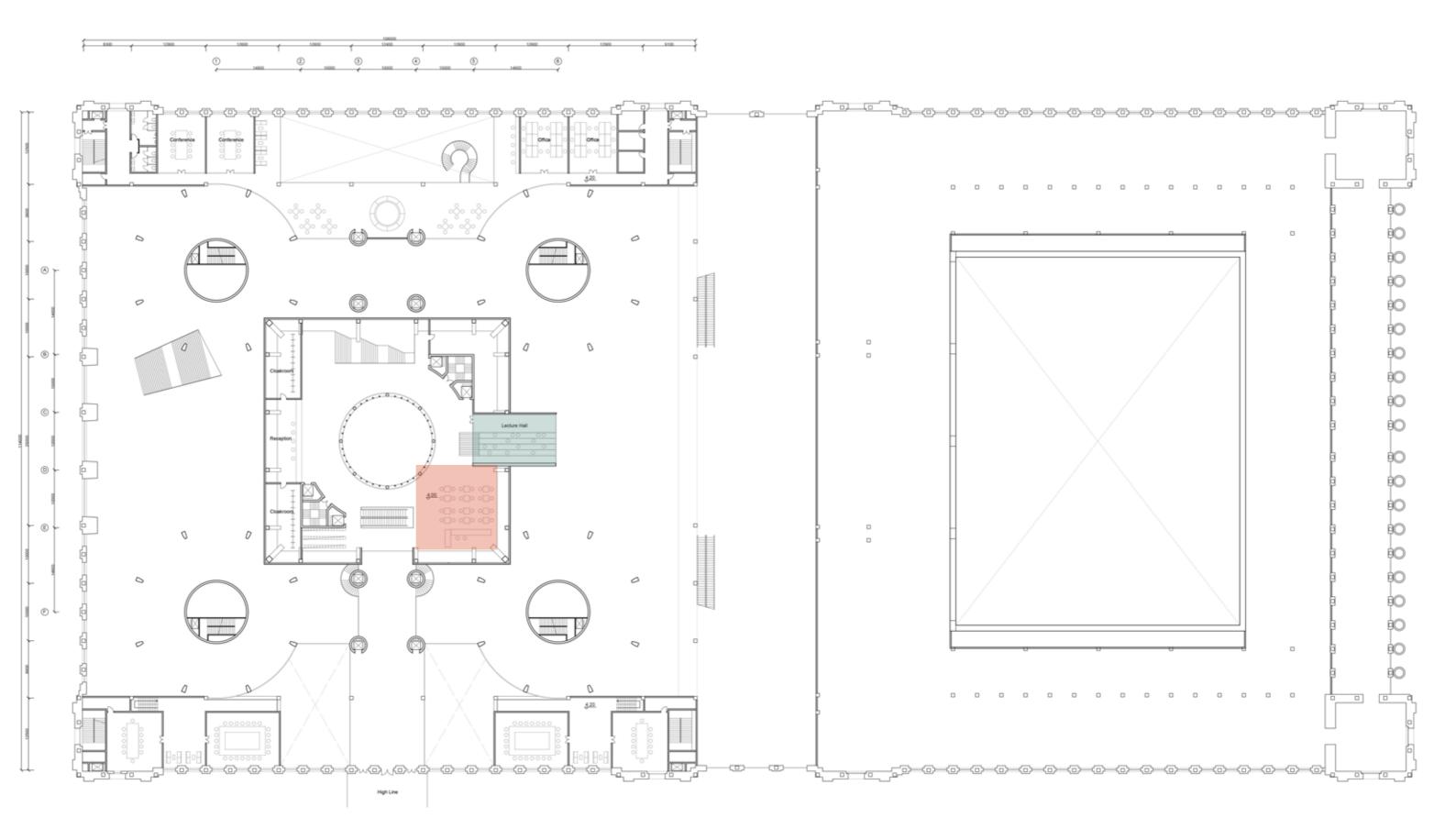


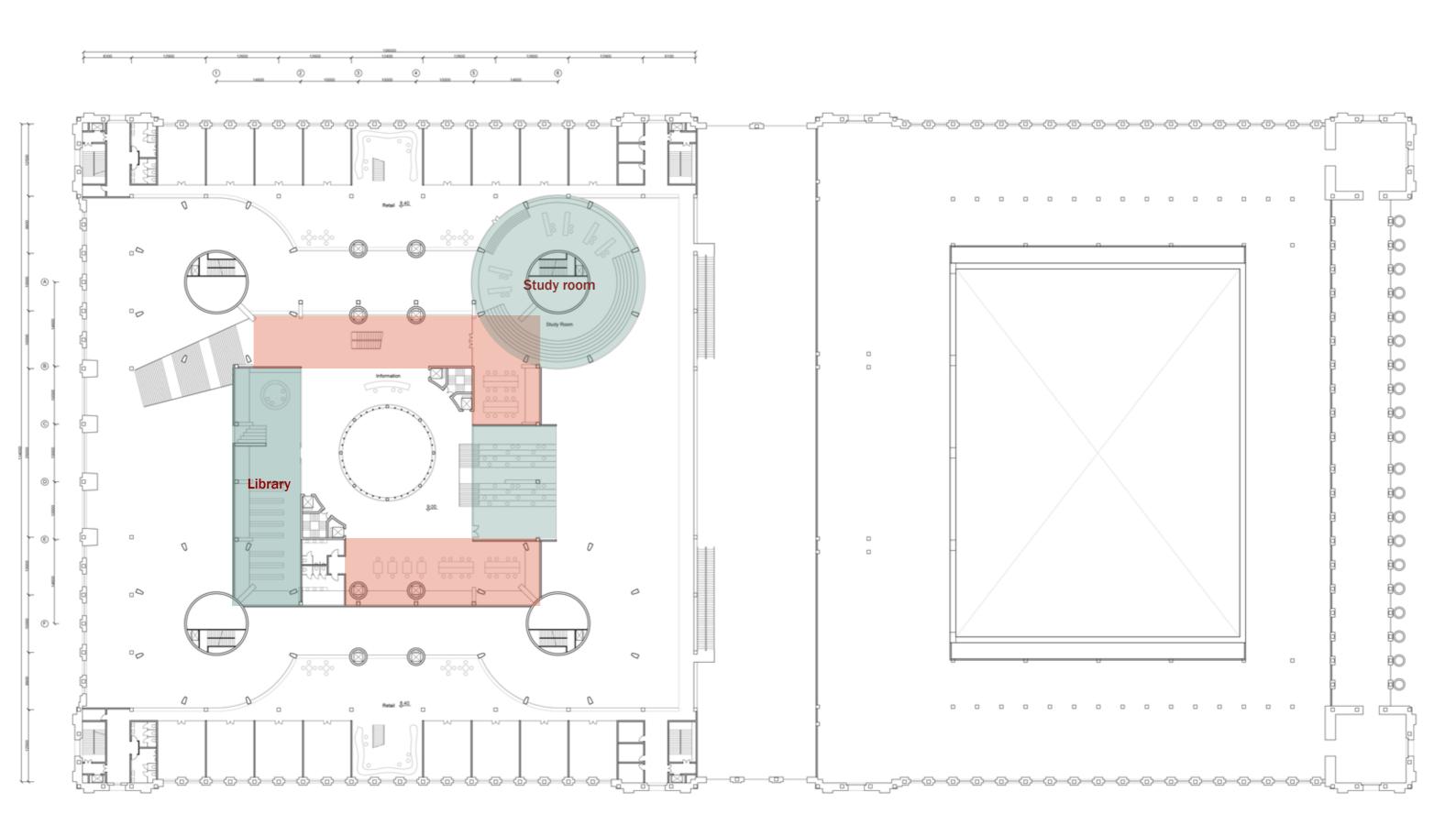


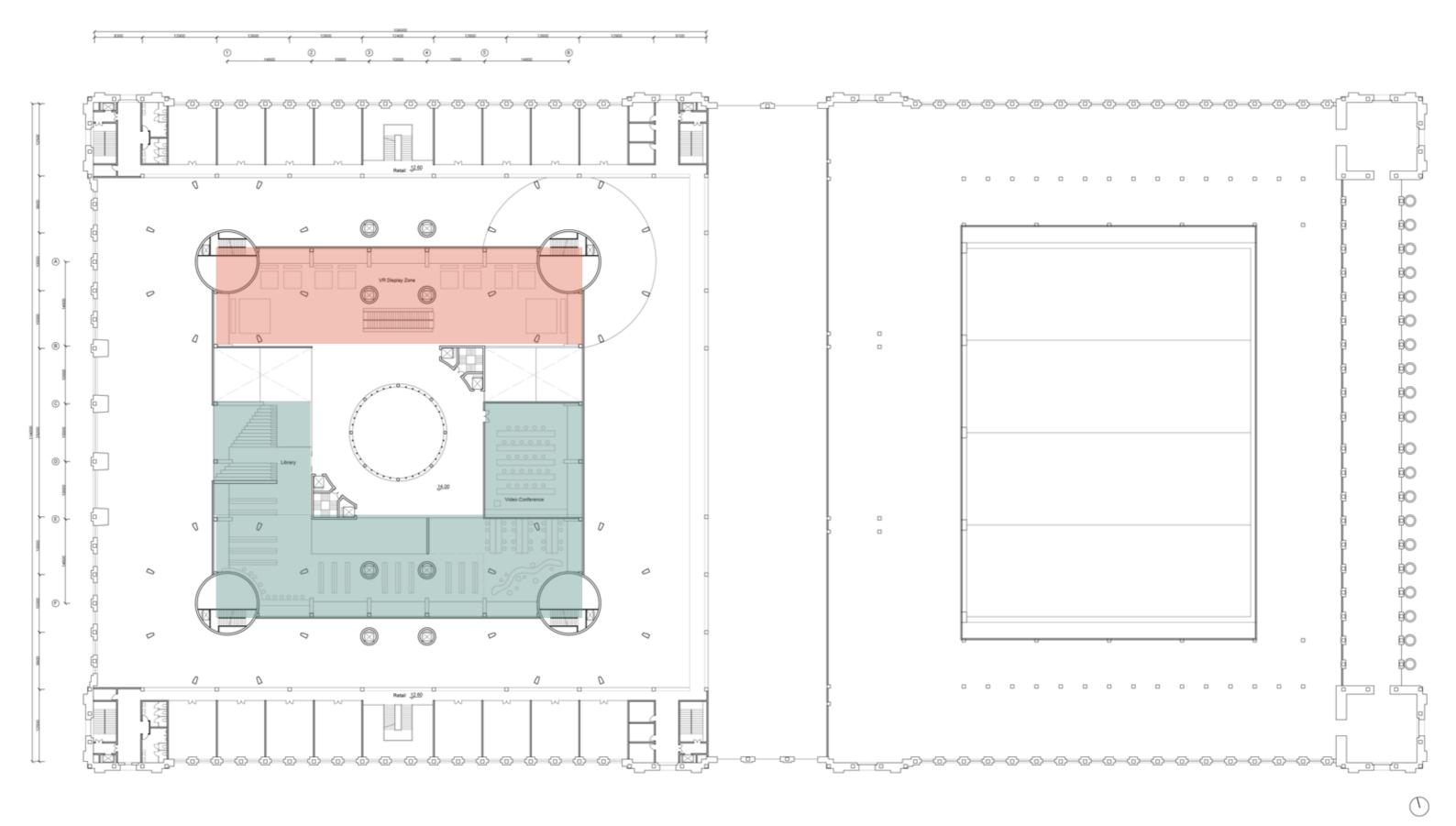


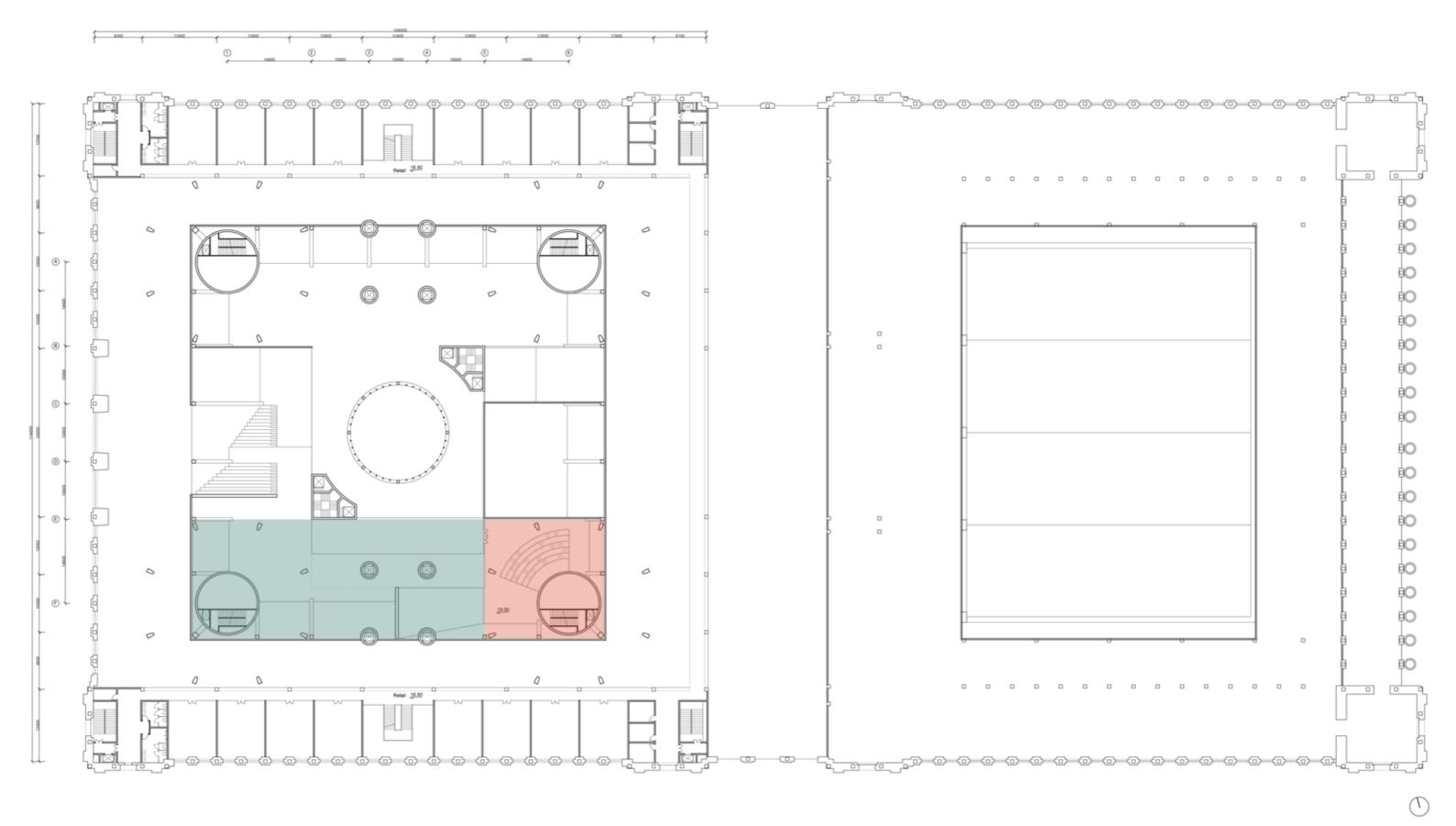


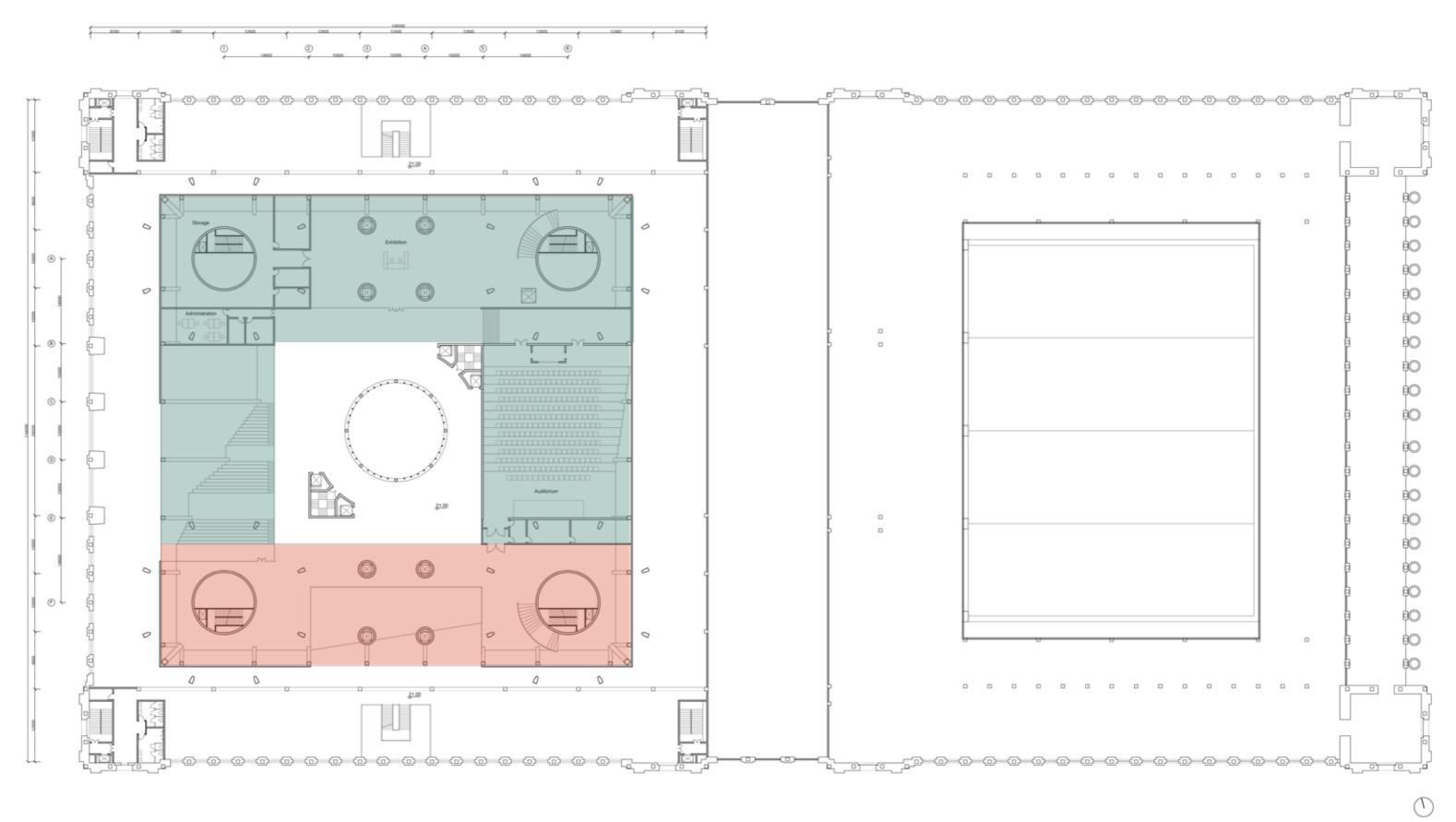


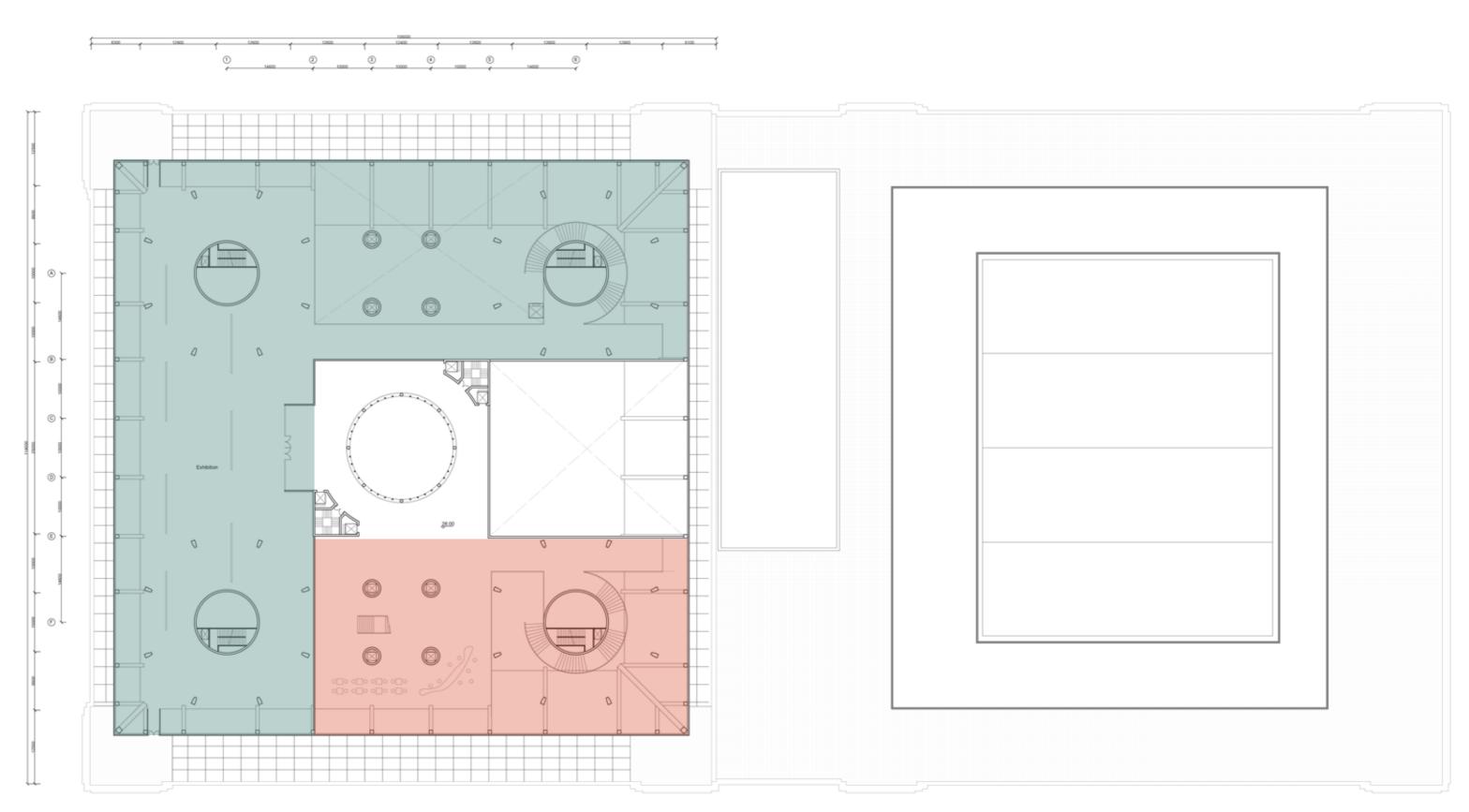


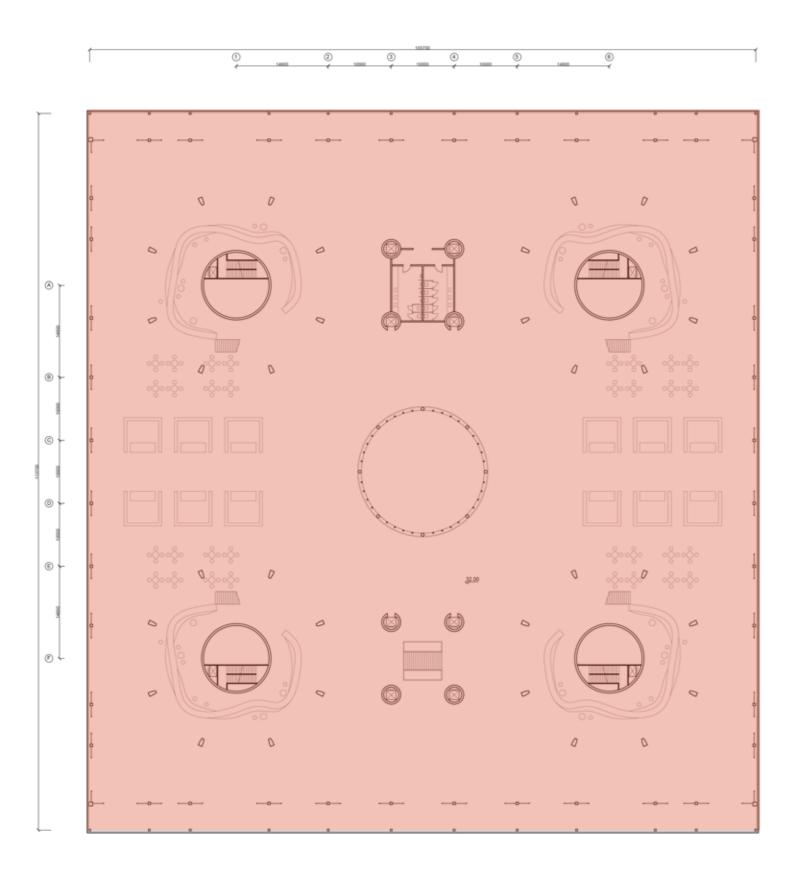


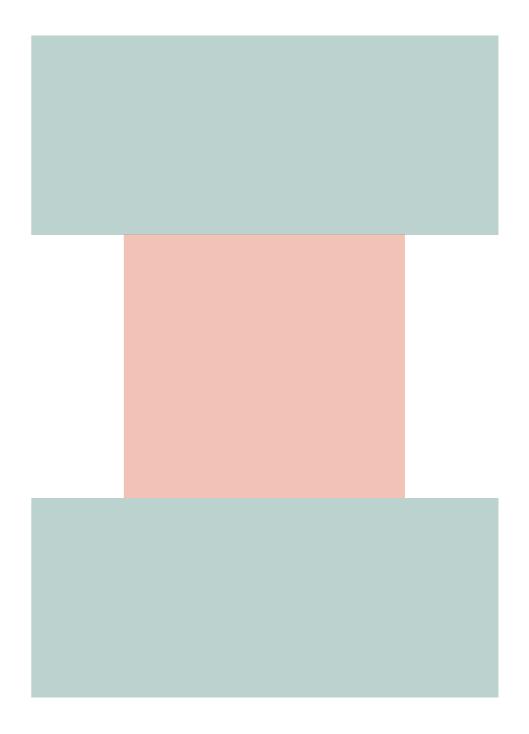




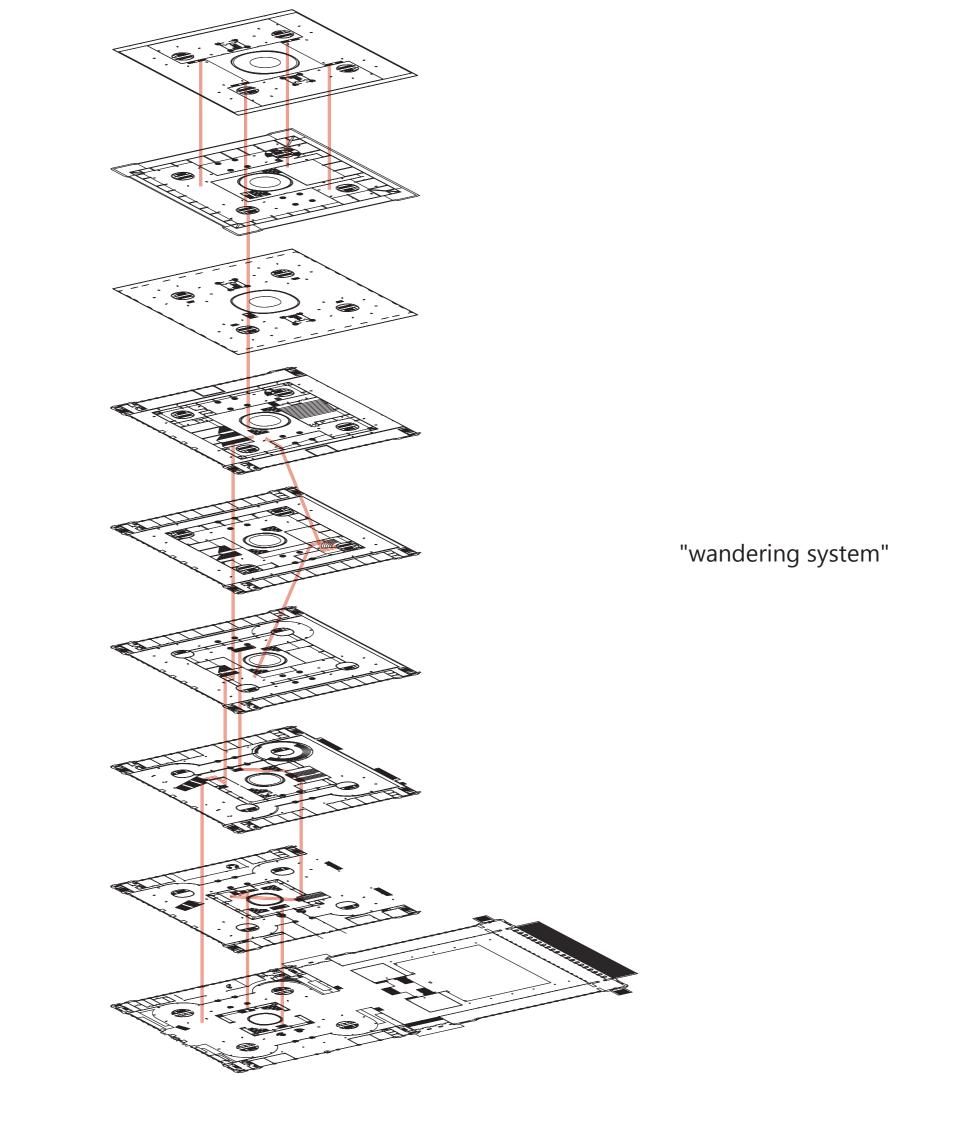


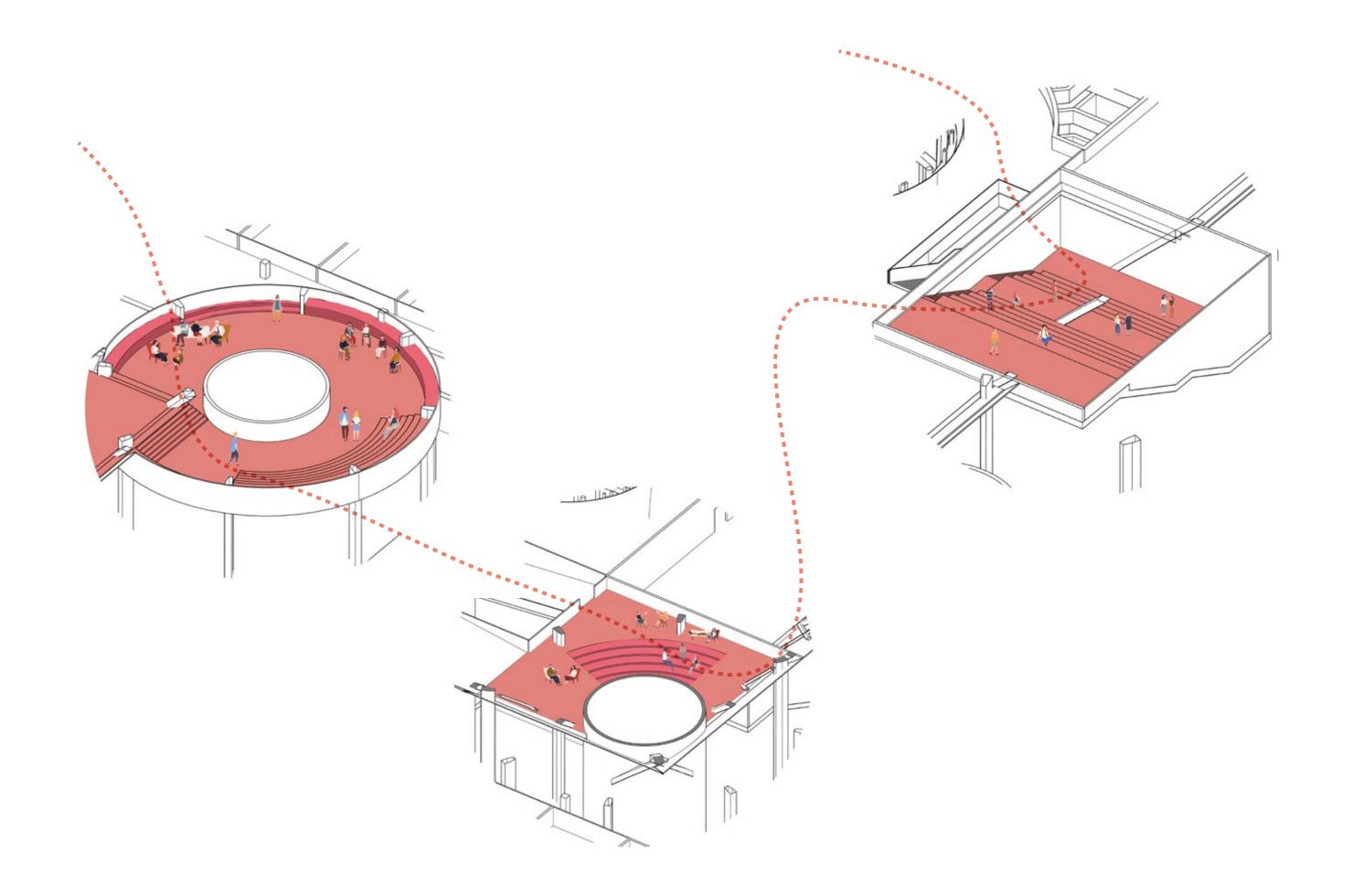


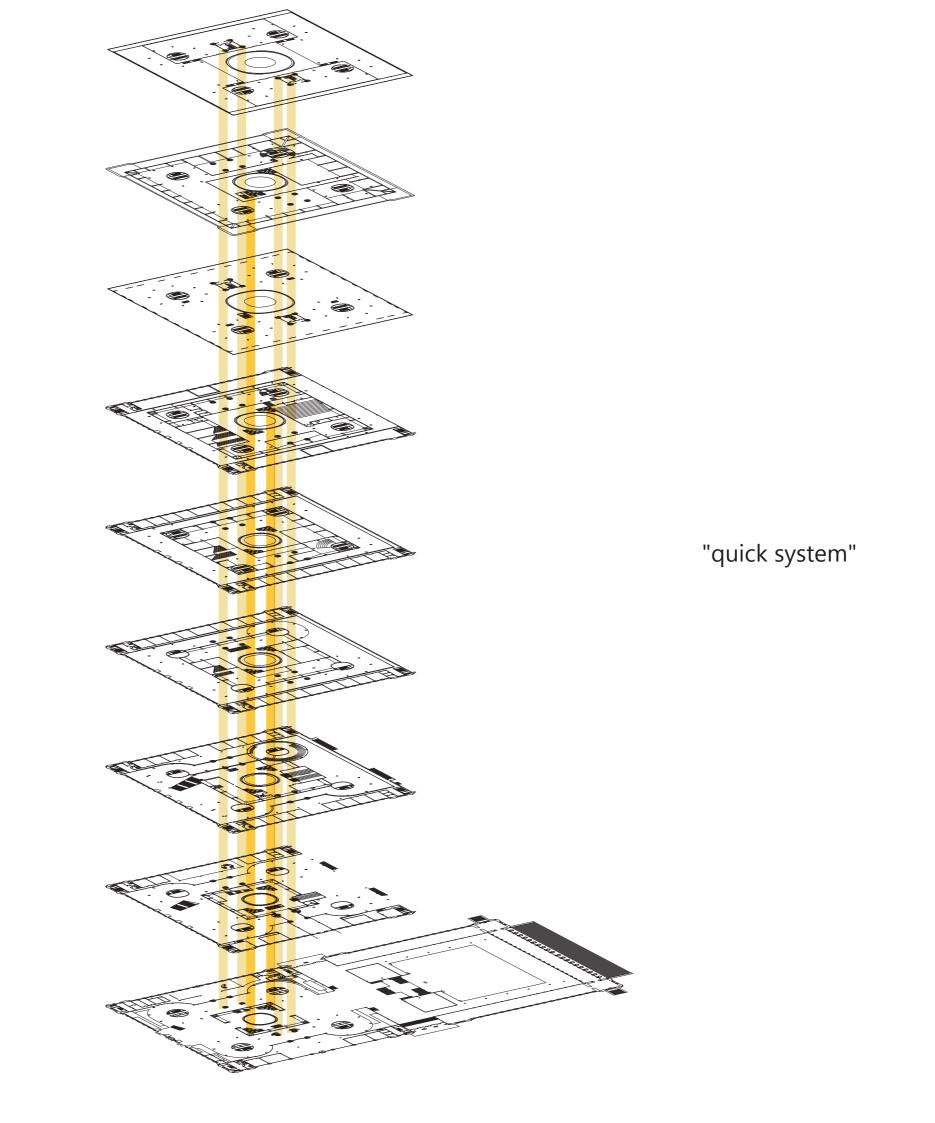


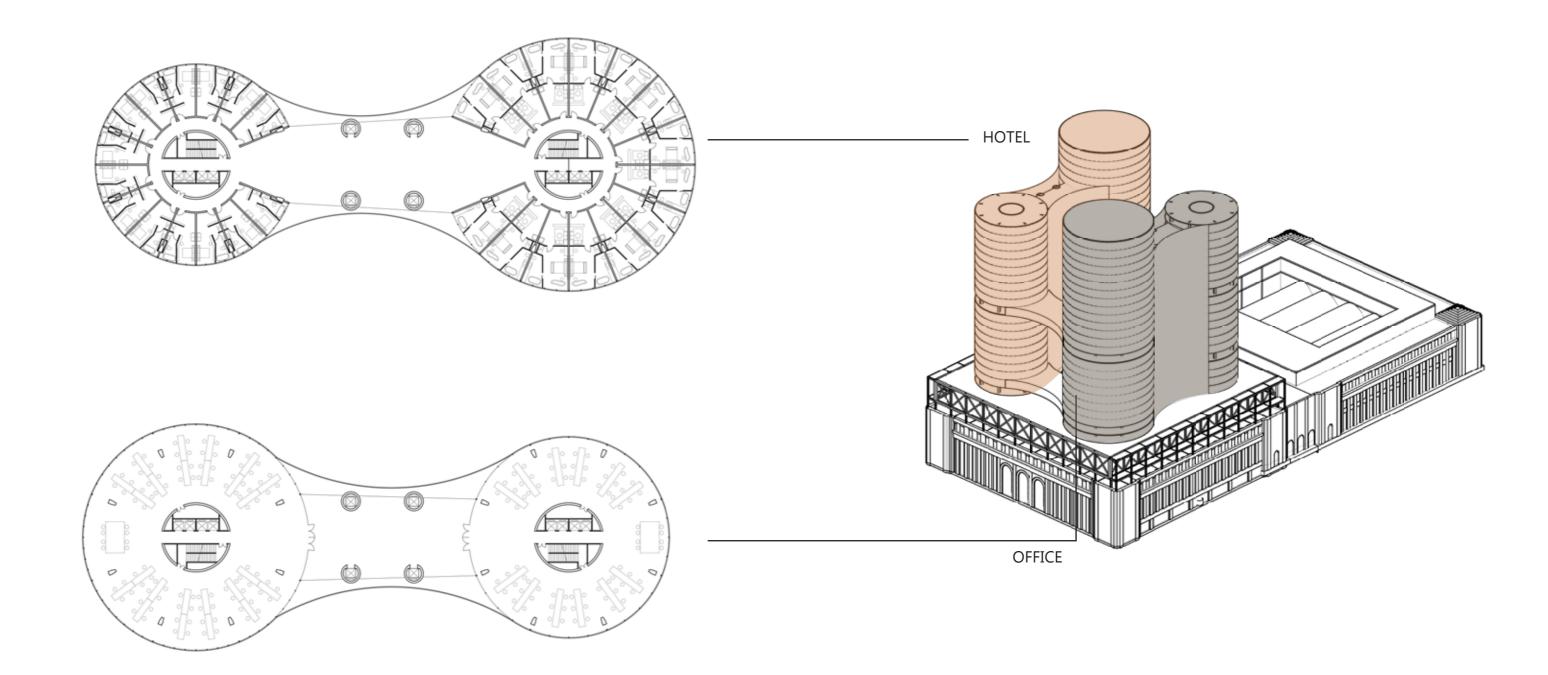


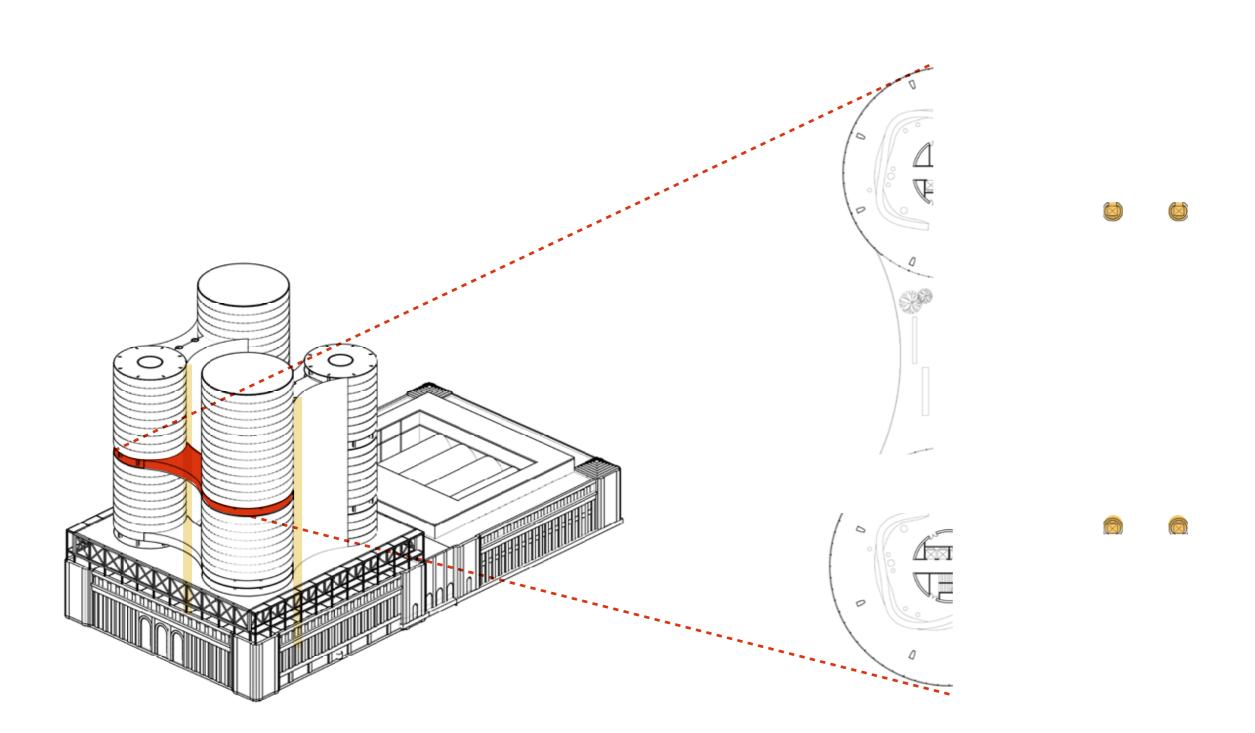










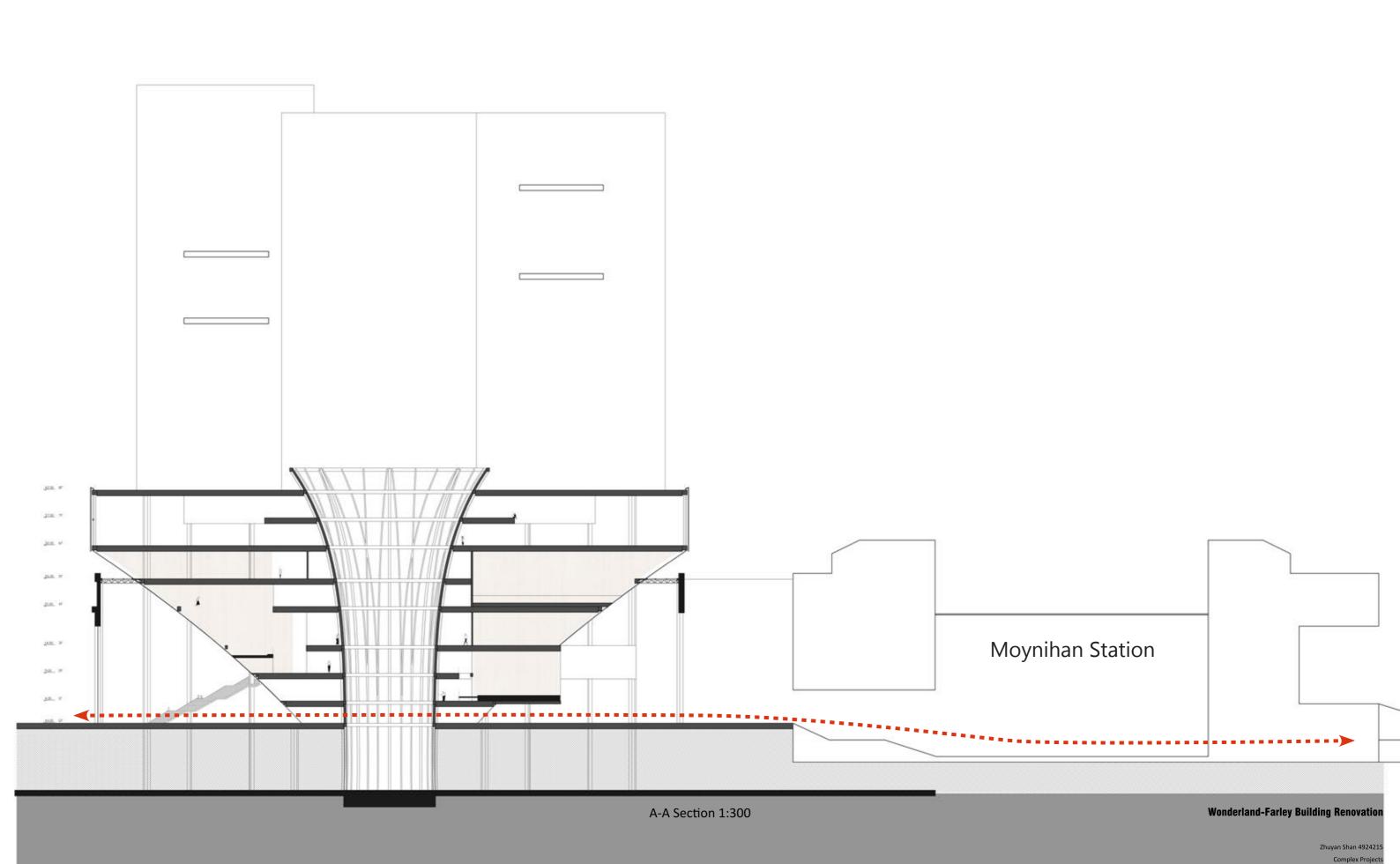


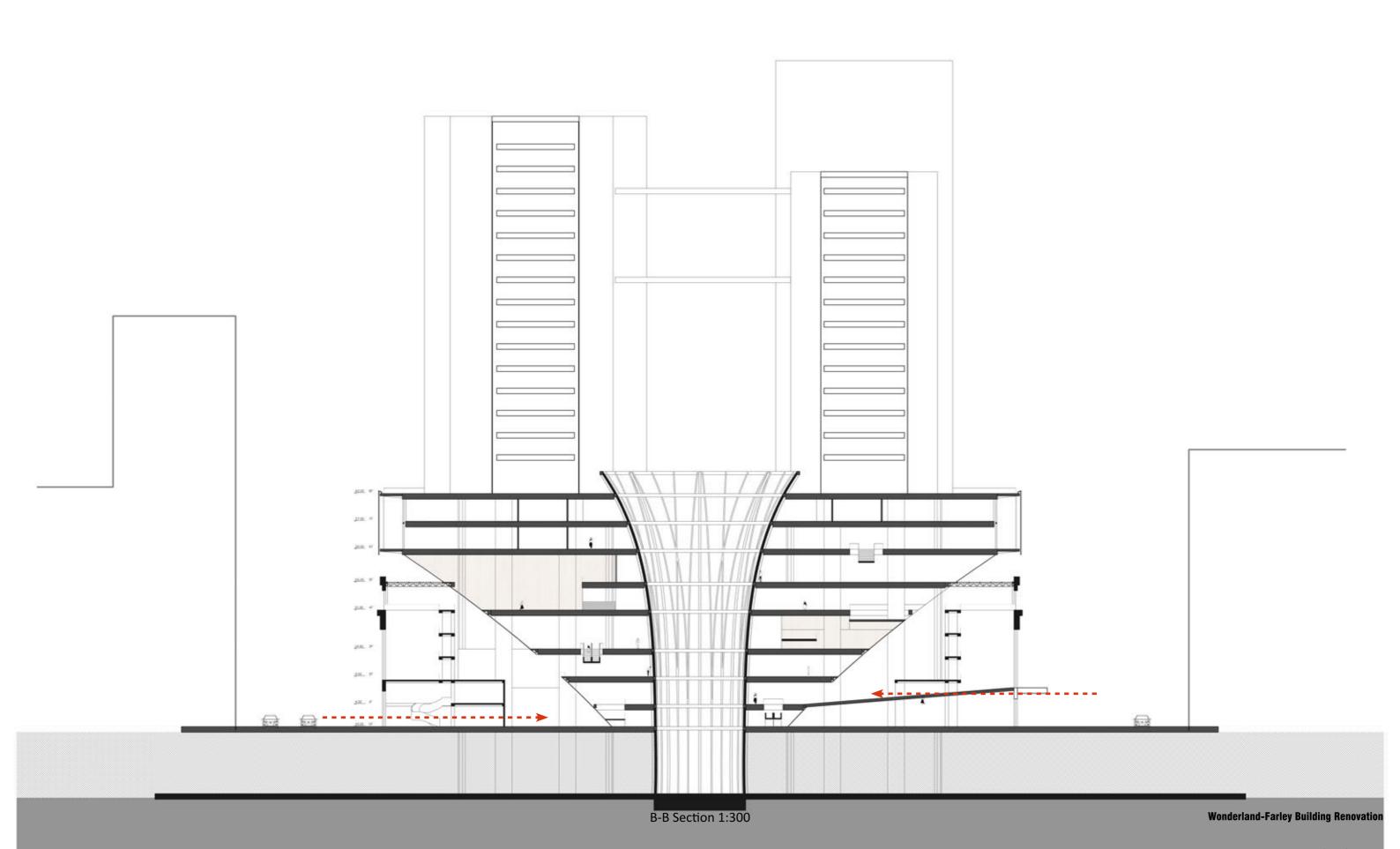


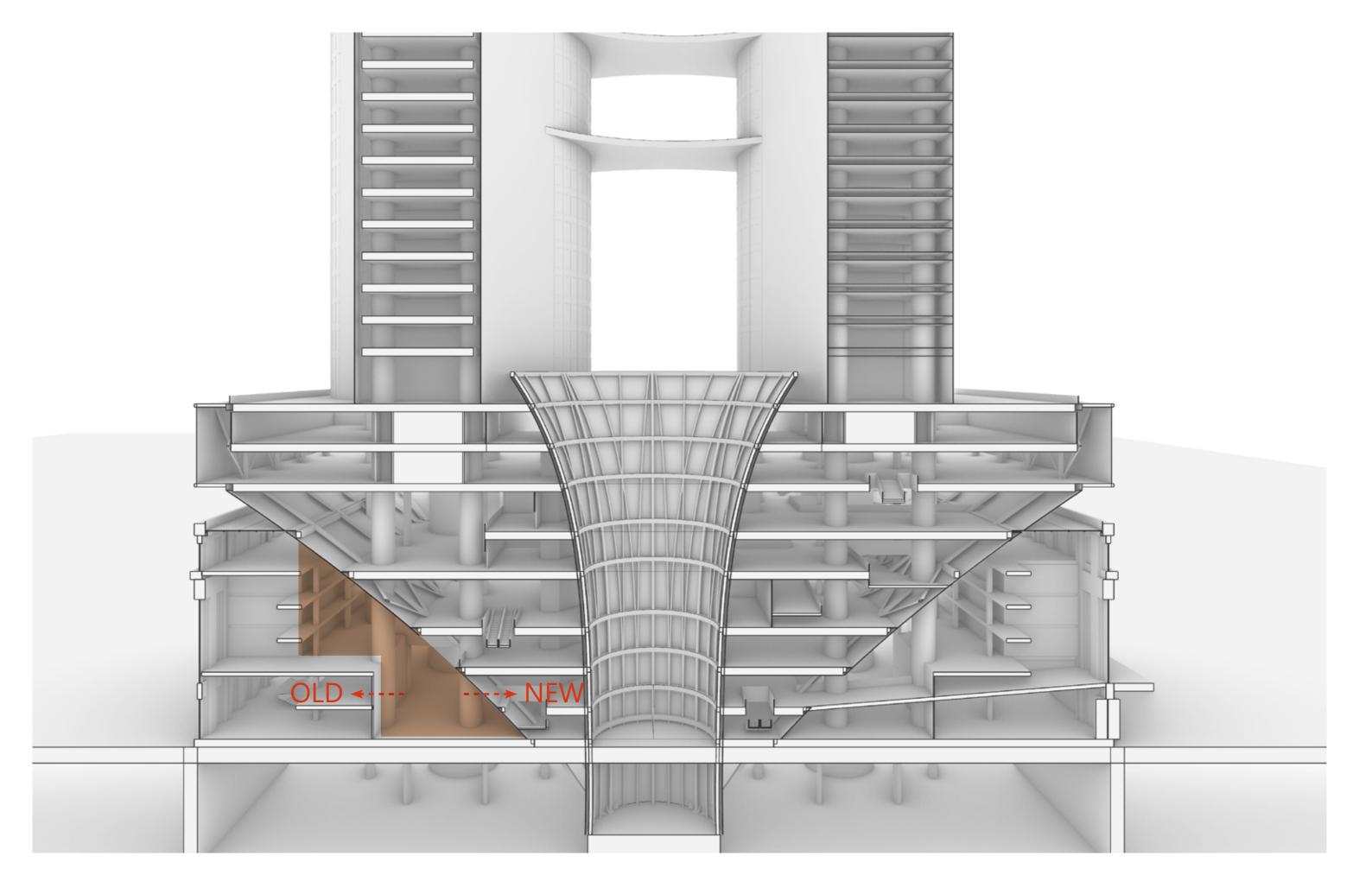


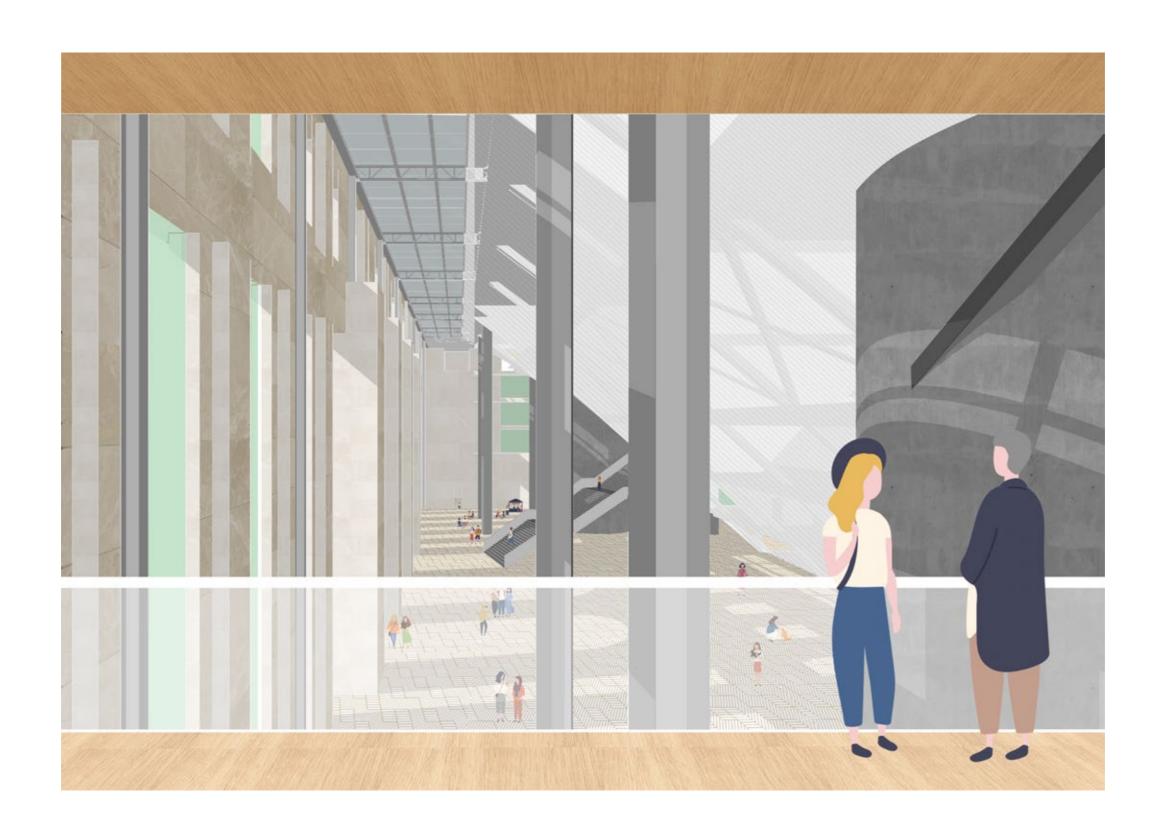


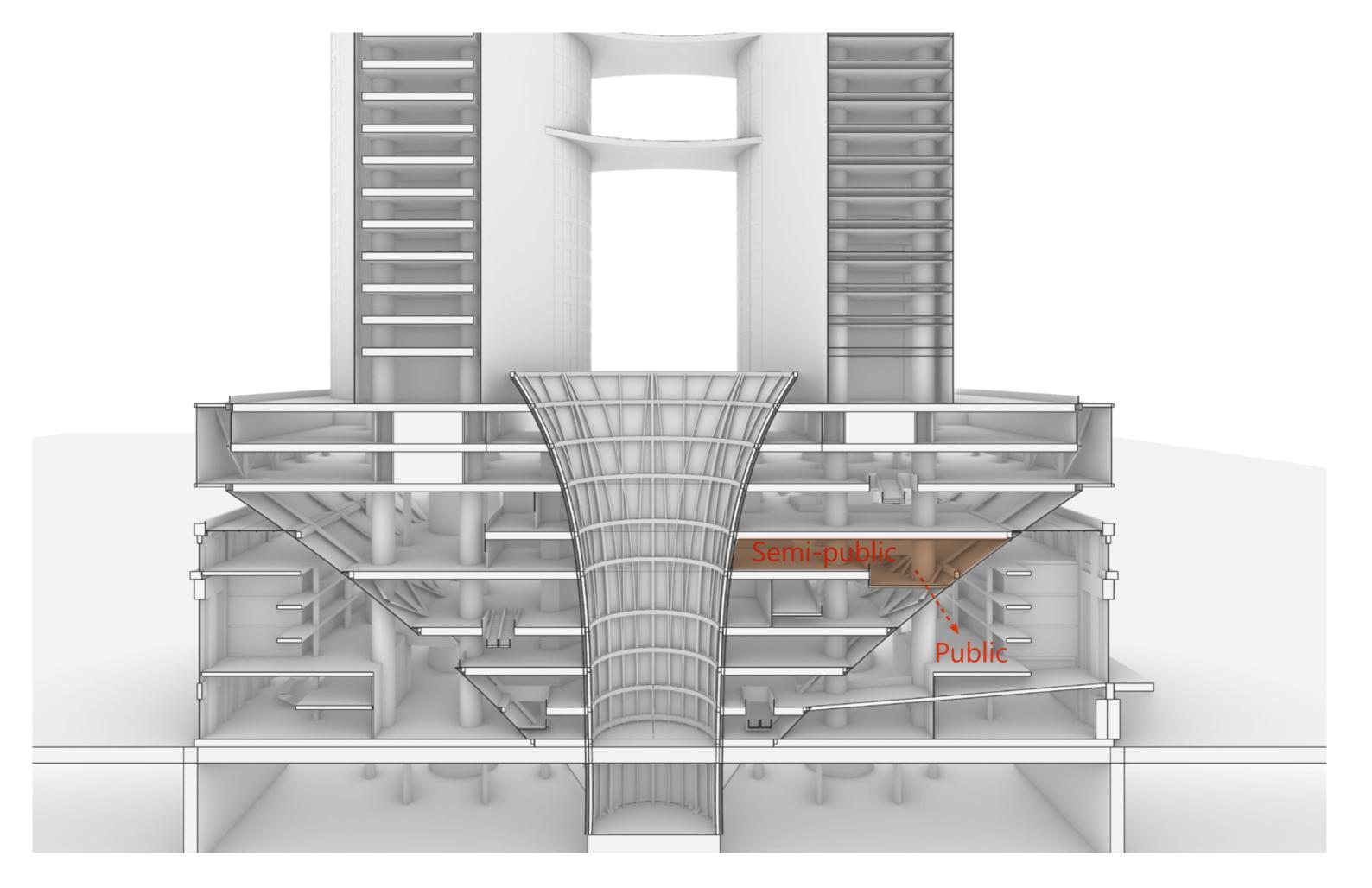
## Reconstruction

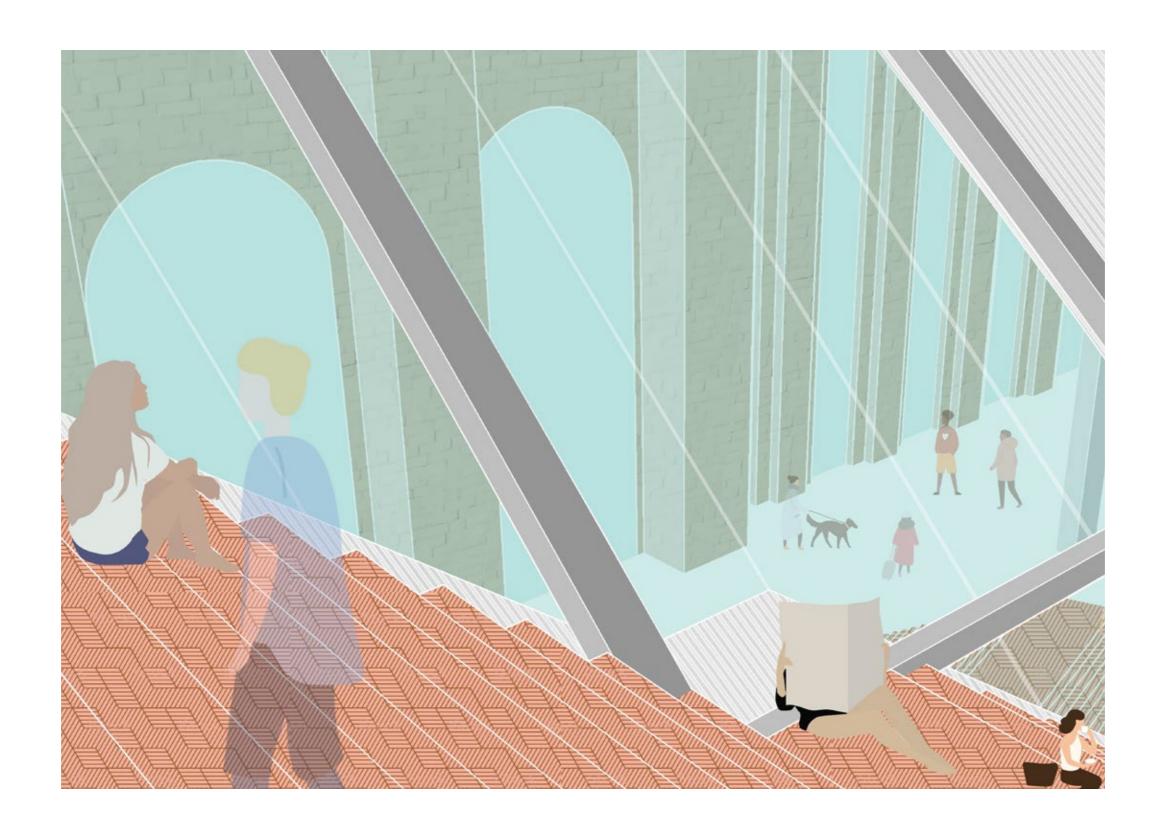


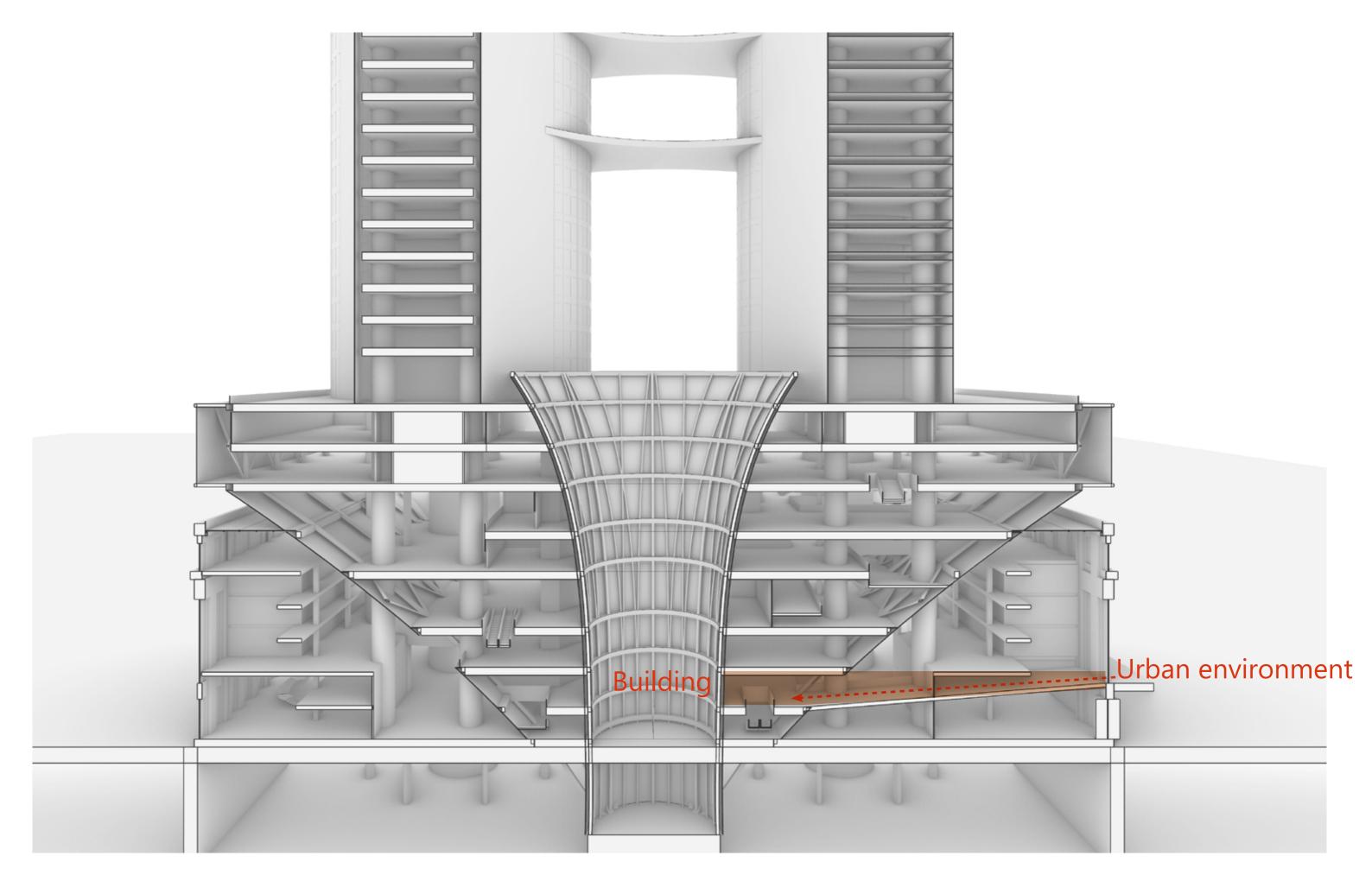


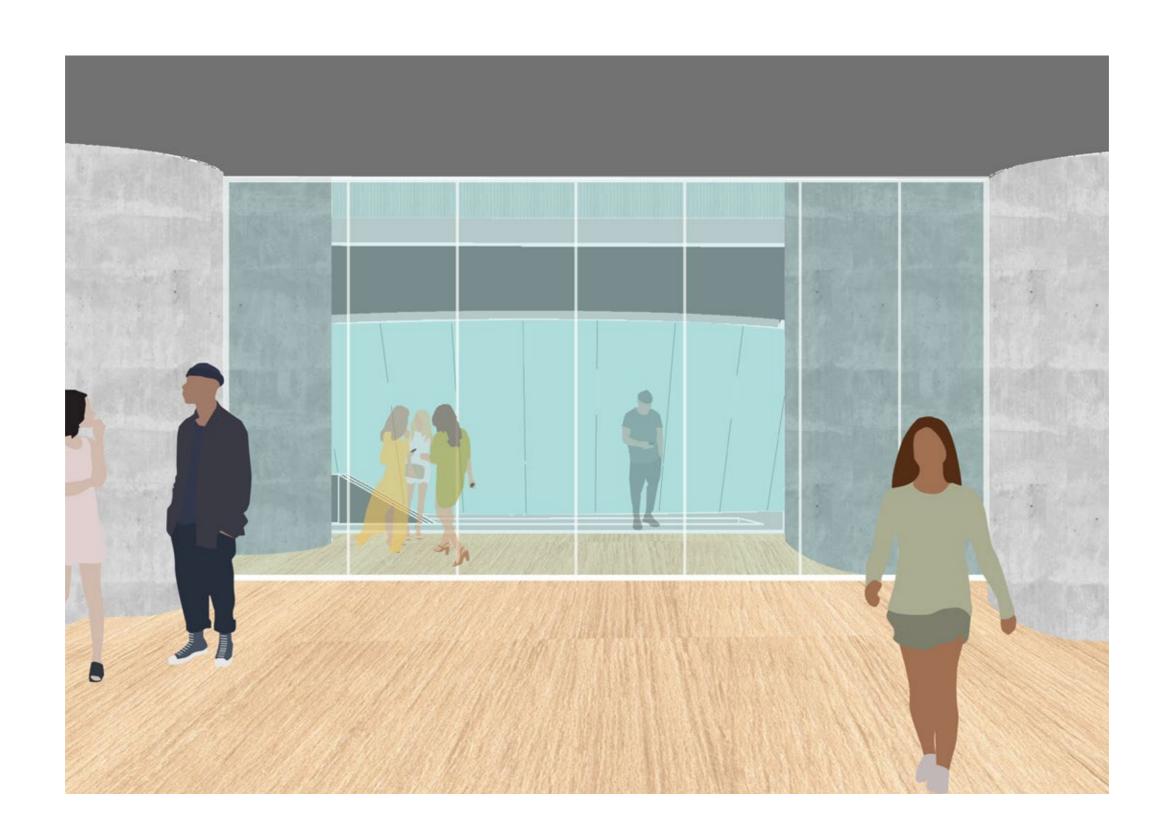


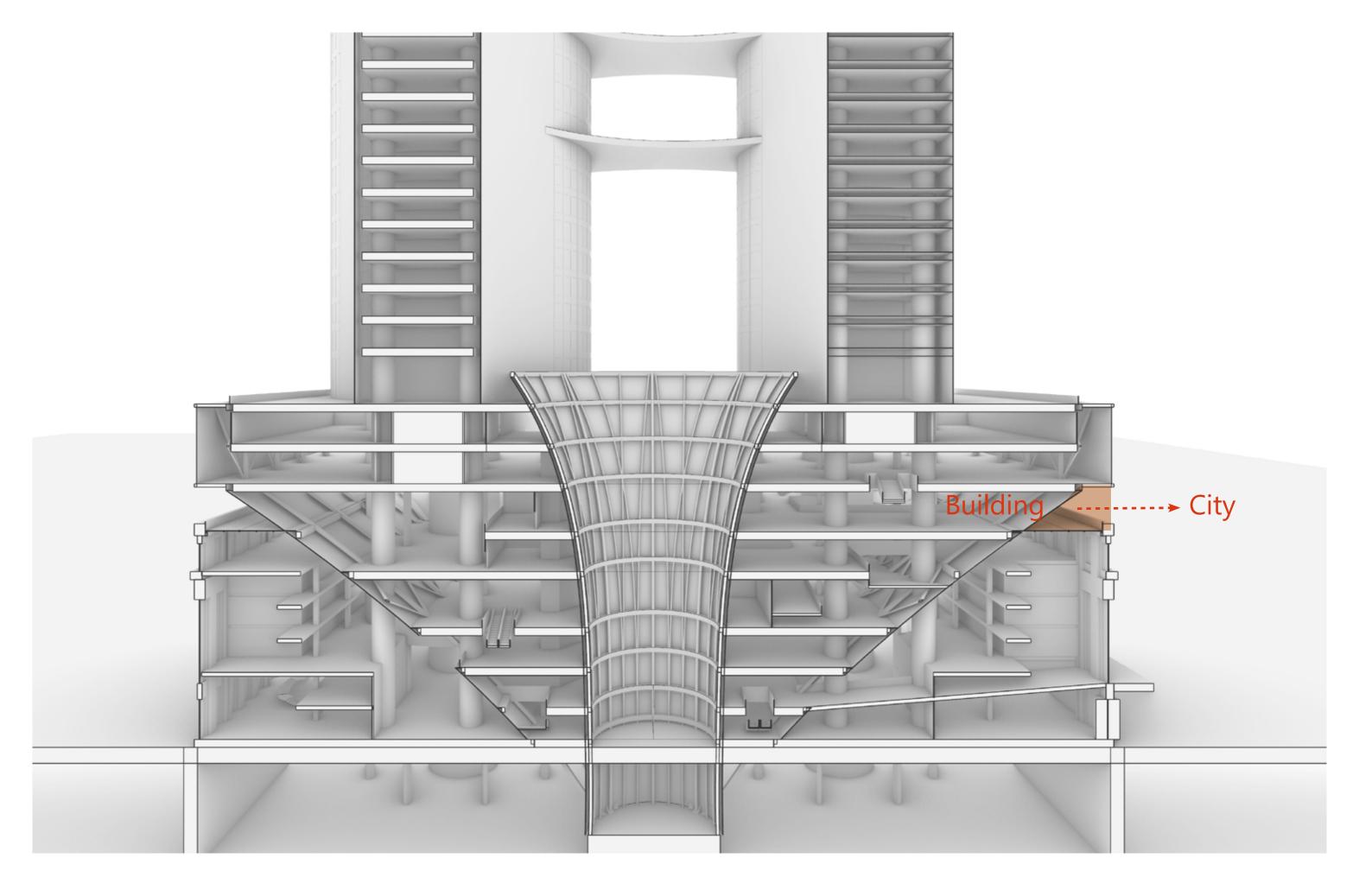


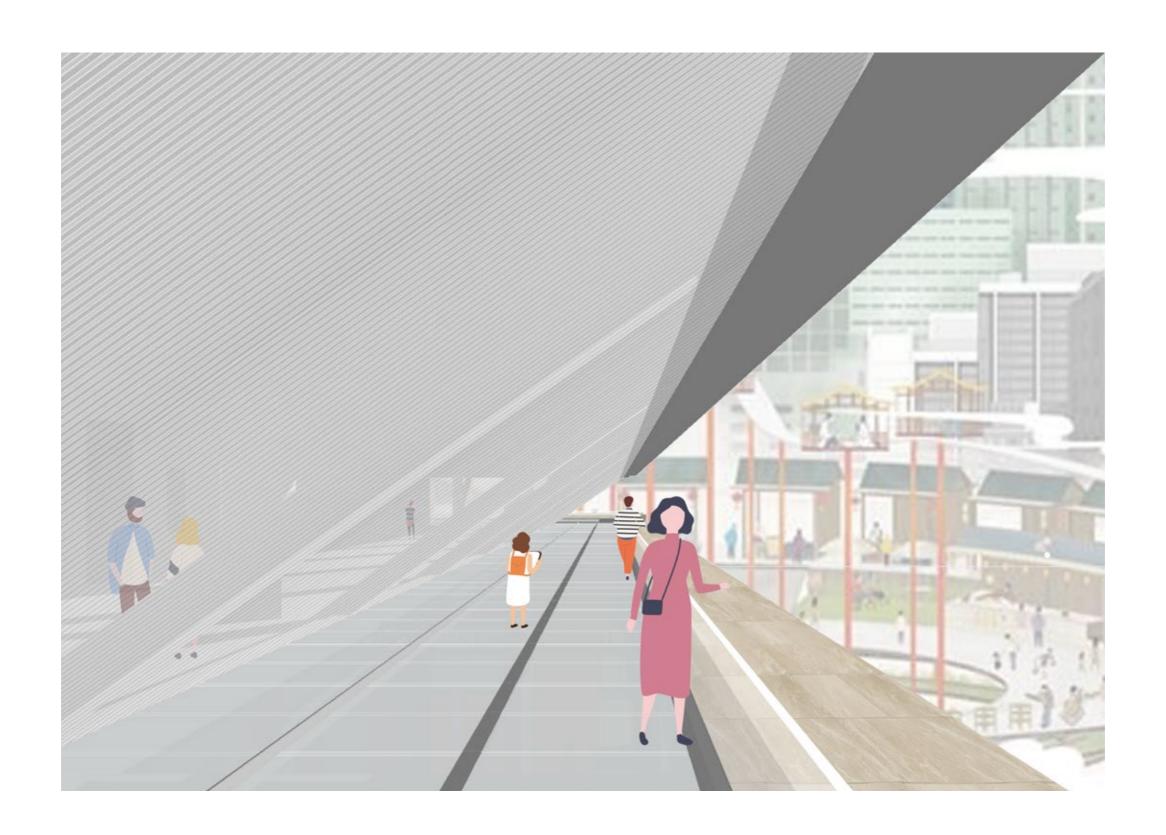




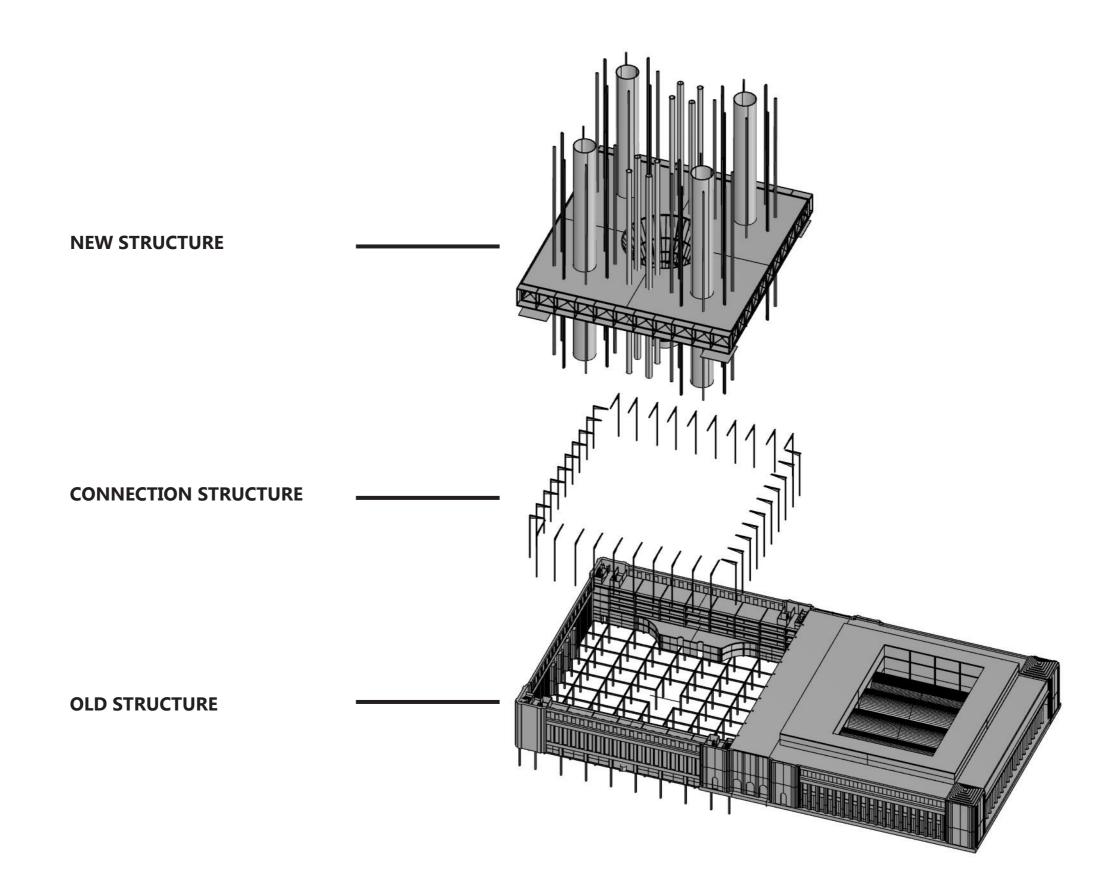


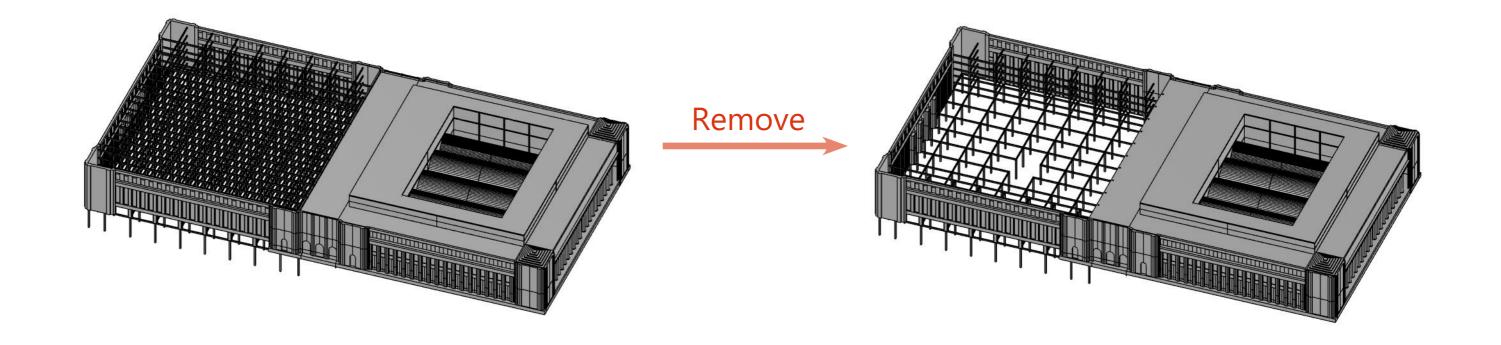


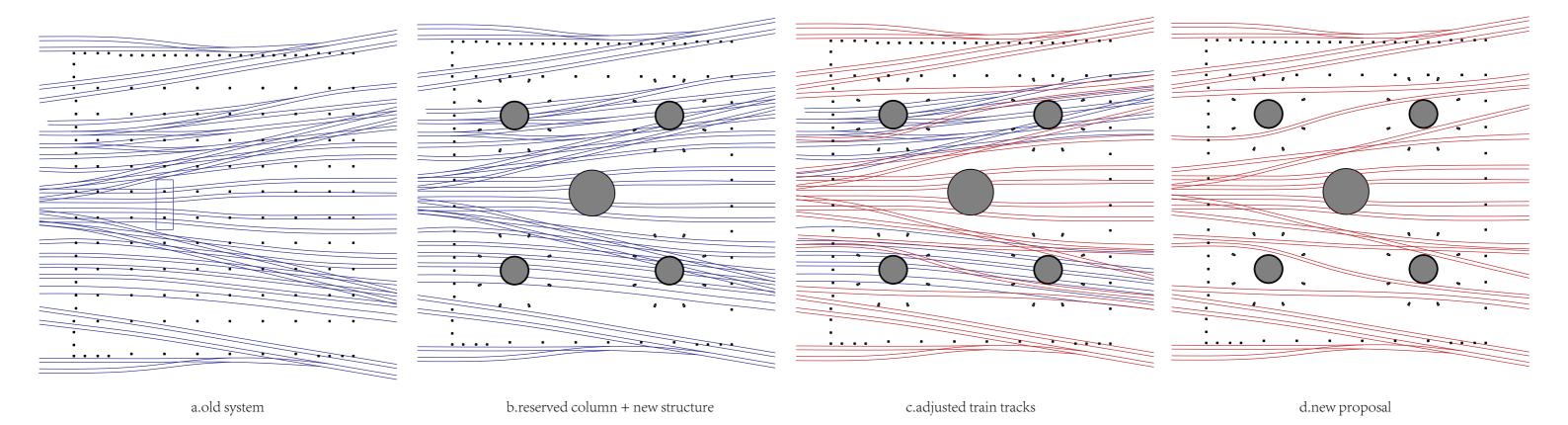




## **Structure**



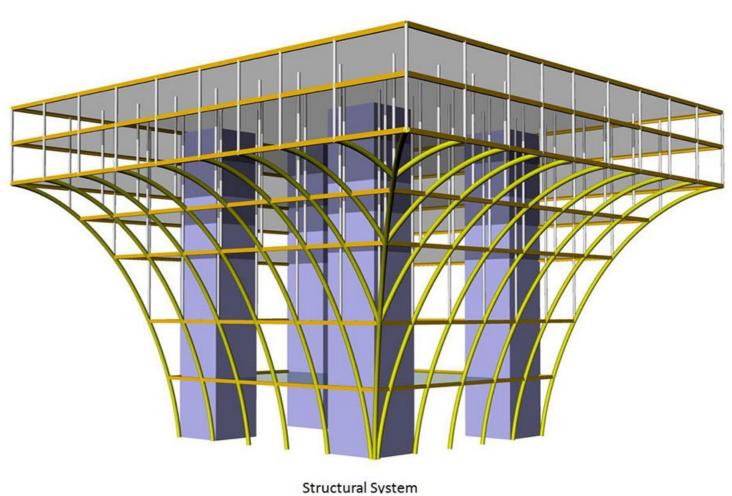


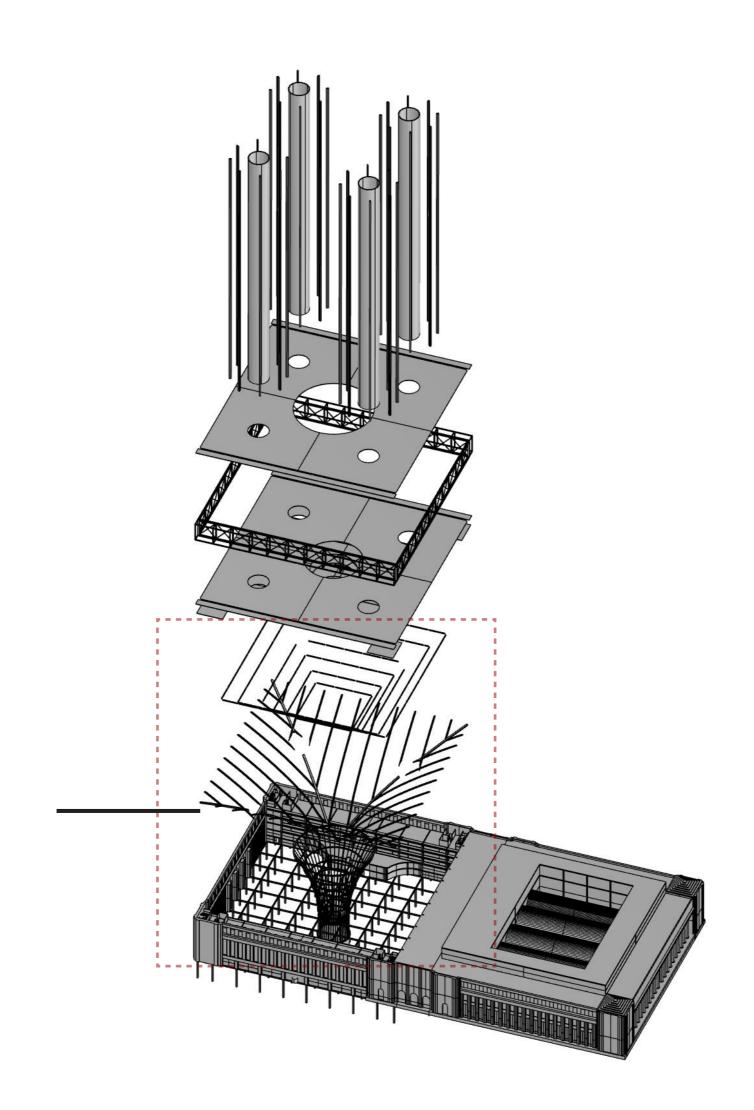


## Reference

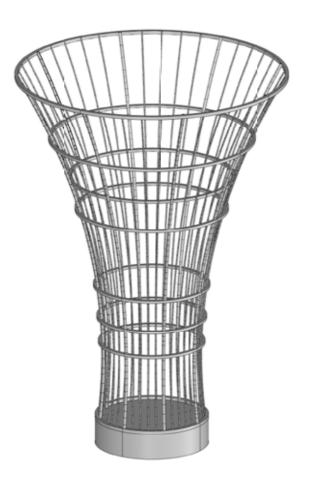


**Changzhou Culture Plaza** 

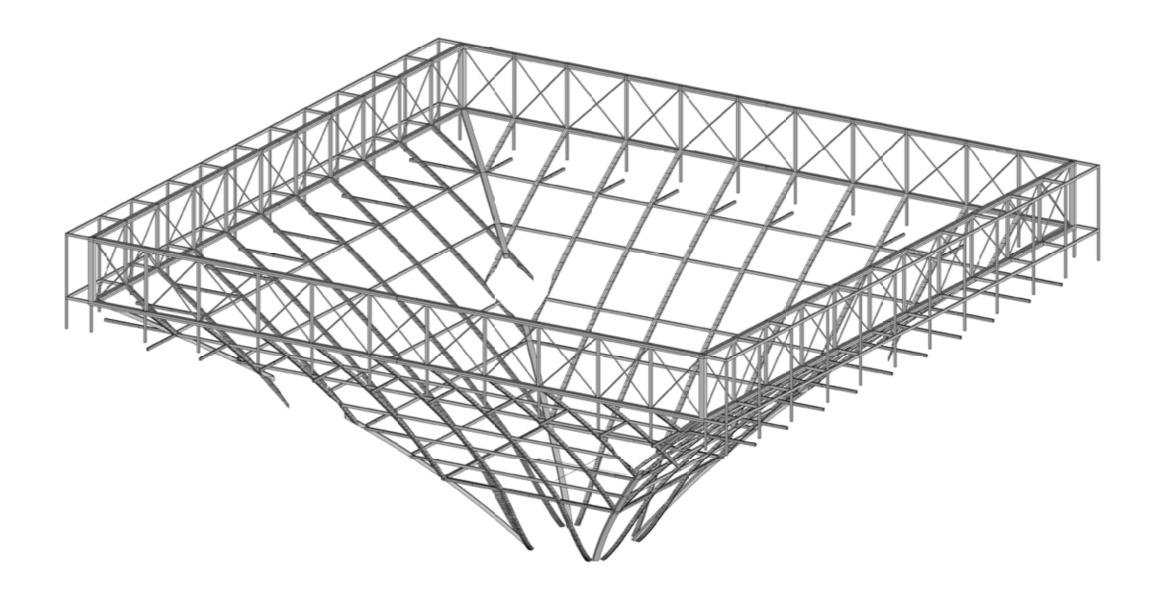


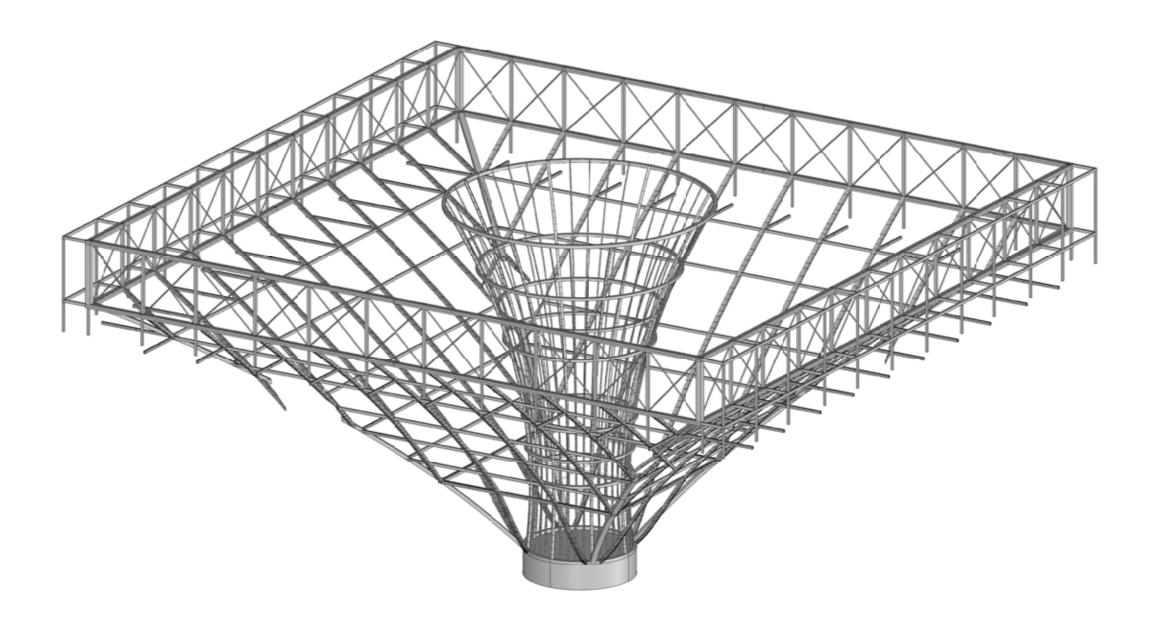


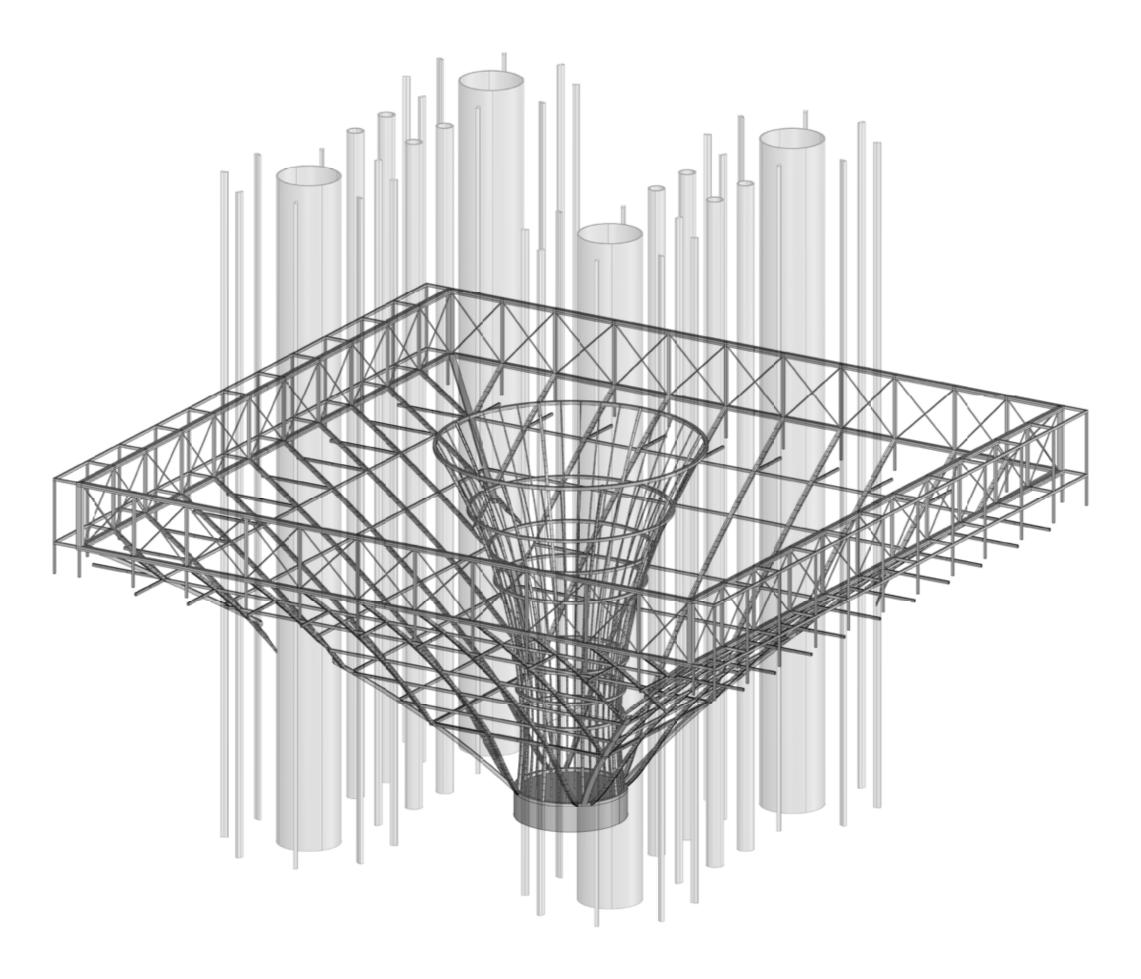
**Vertical system** 



Internal System

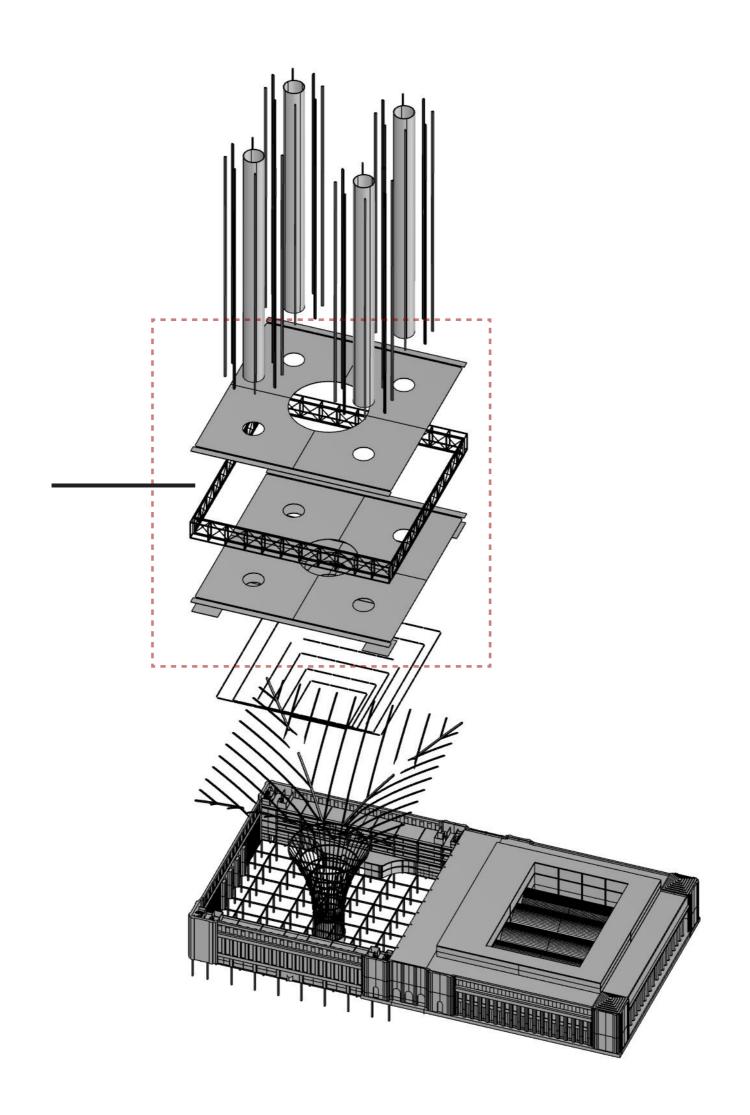


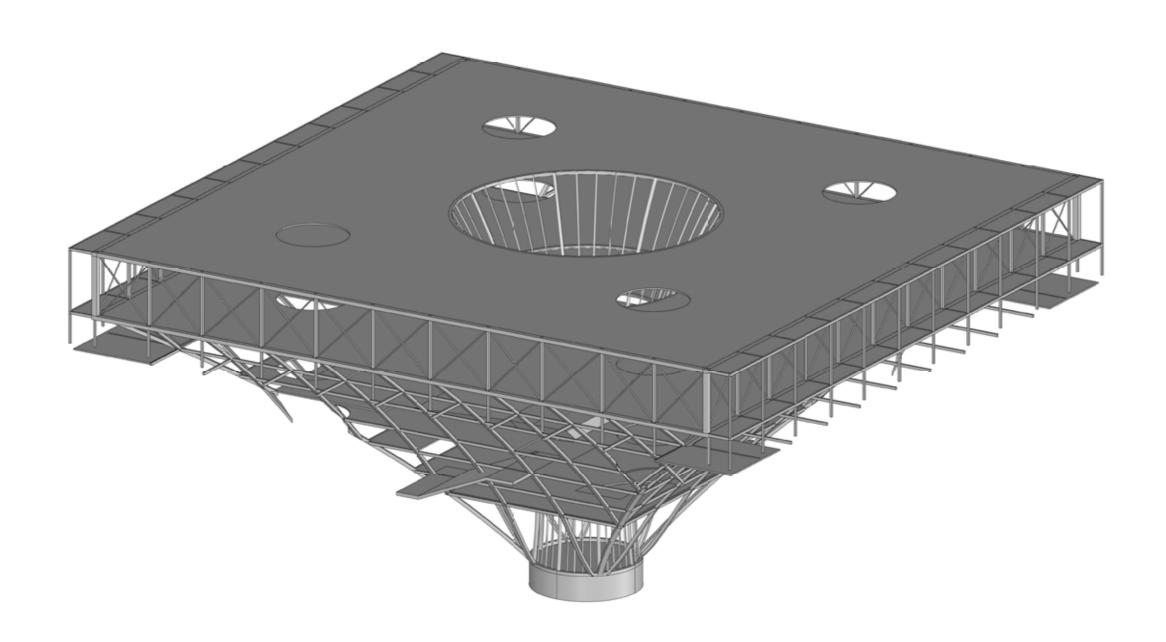




Vertical Structure

**Horizontal system** 



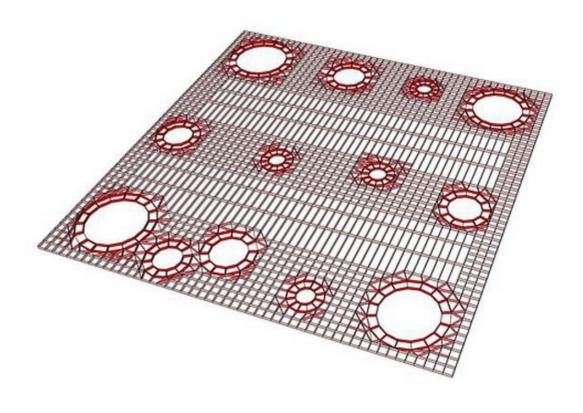


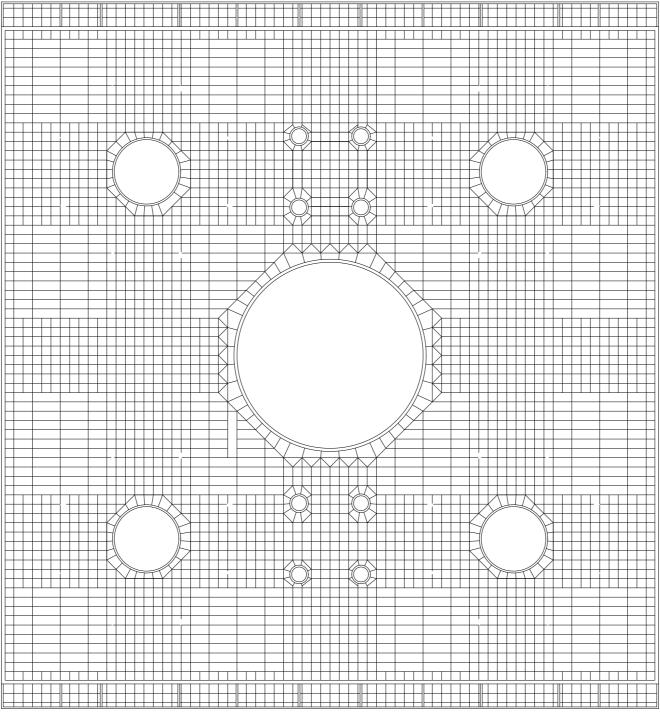
Horizontal Structure

## Reference



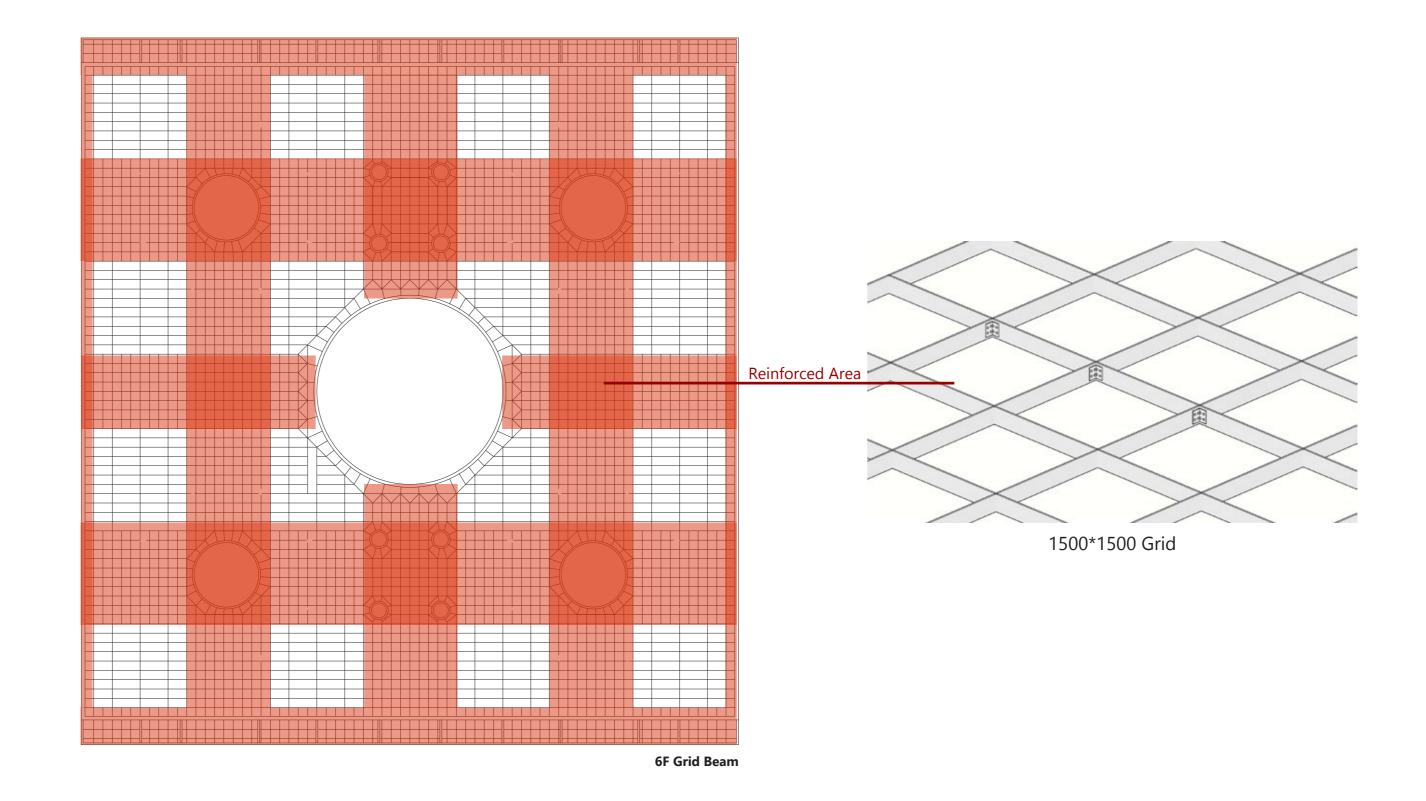
sendai mediatheque



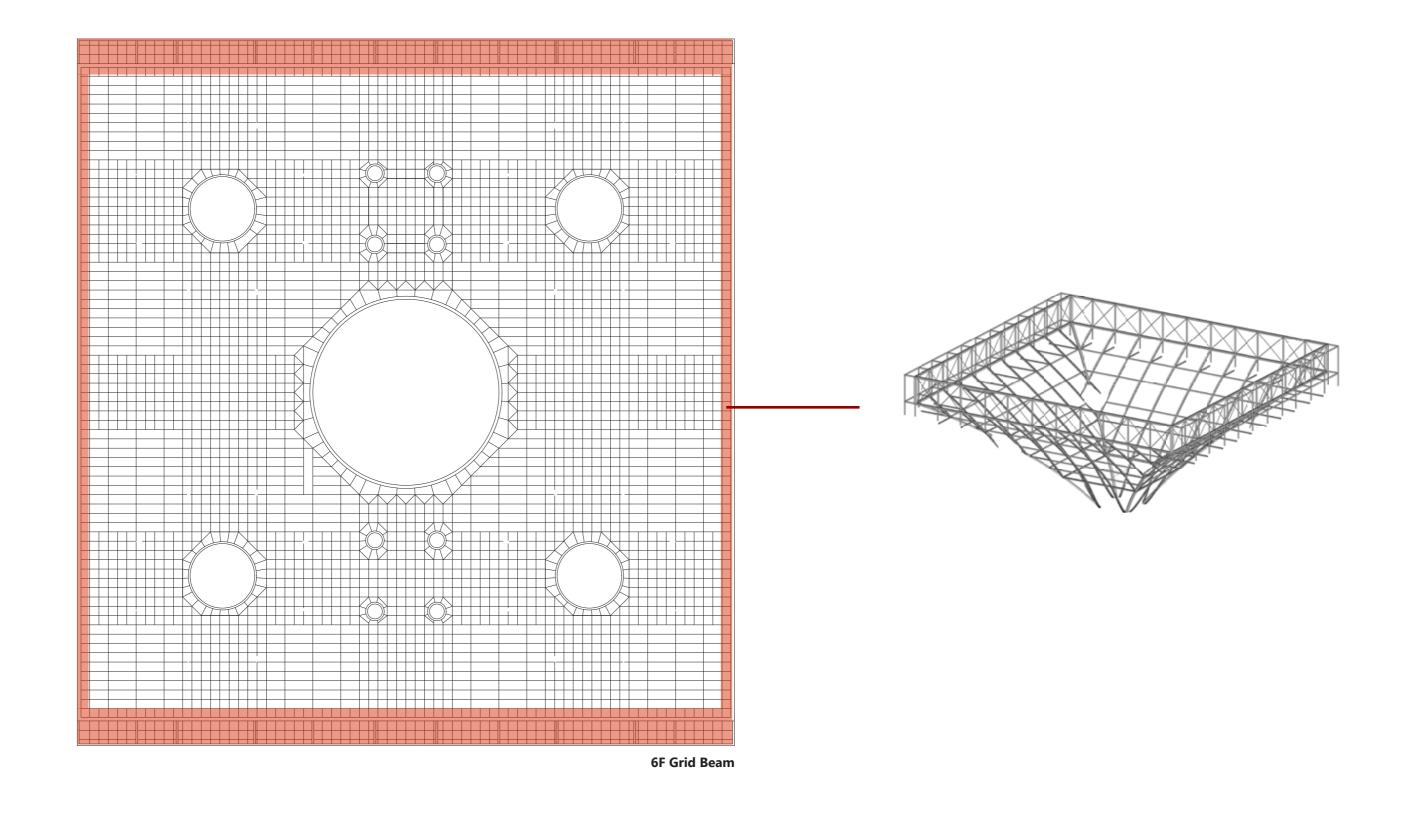


**6F Grid Beam** 

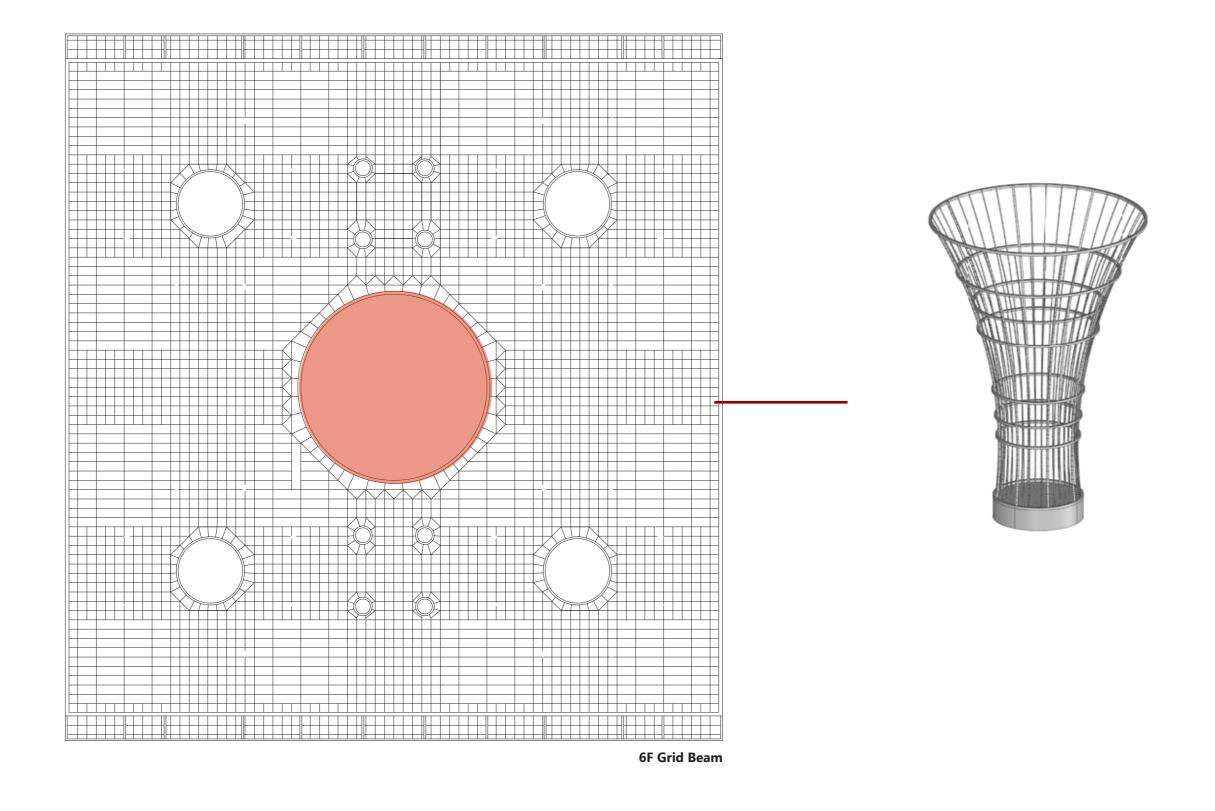
Grid Beam System



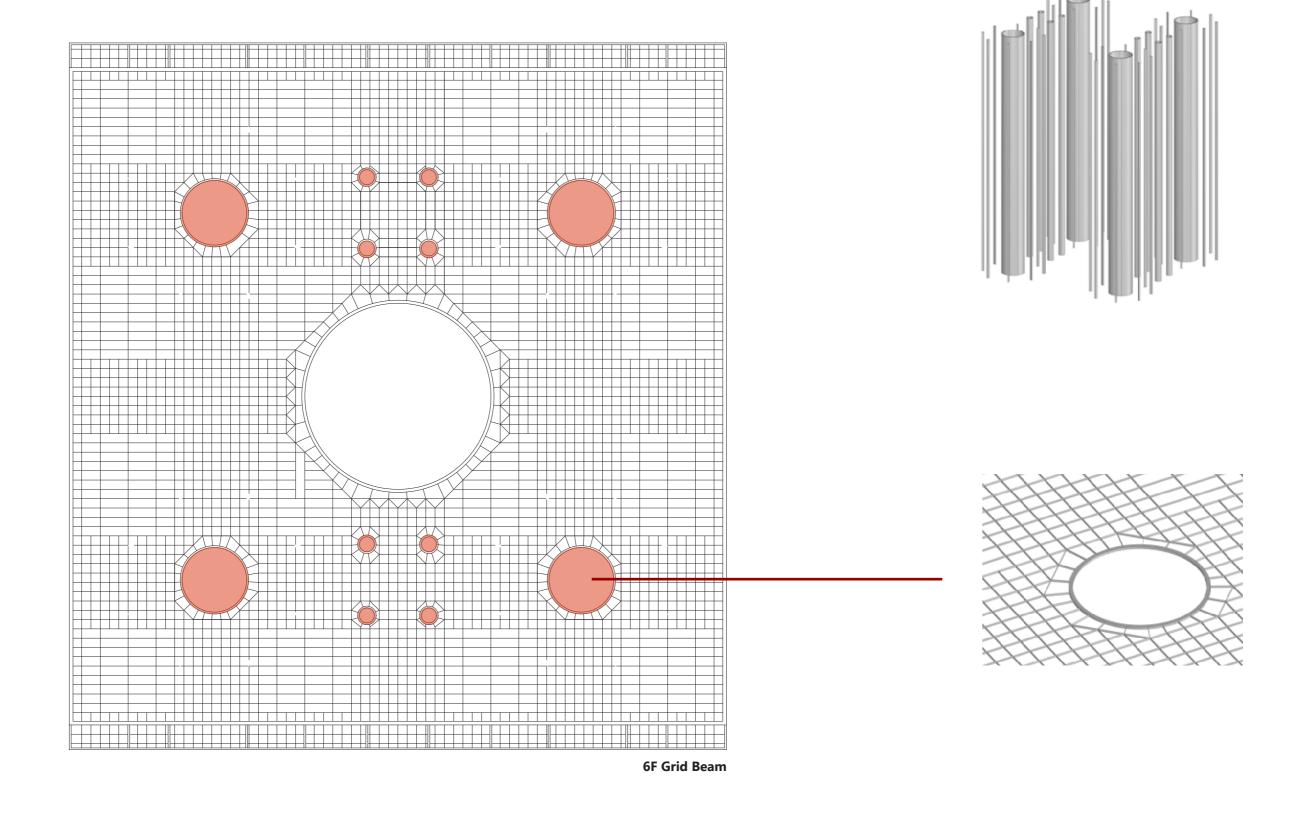
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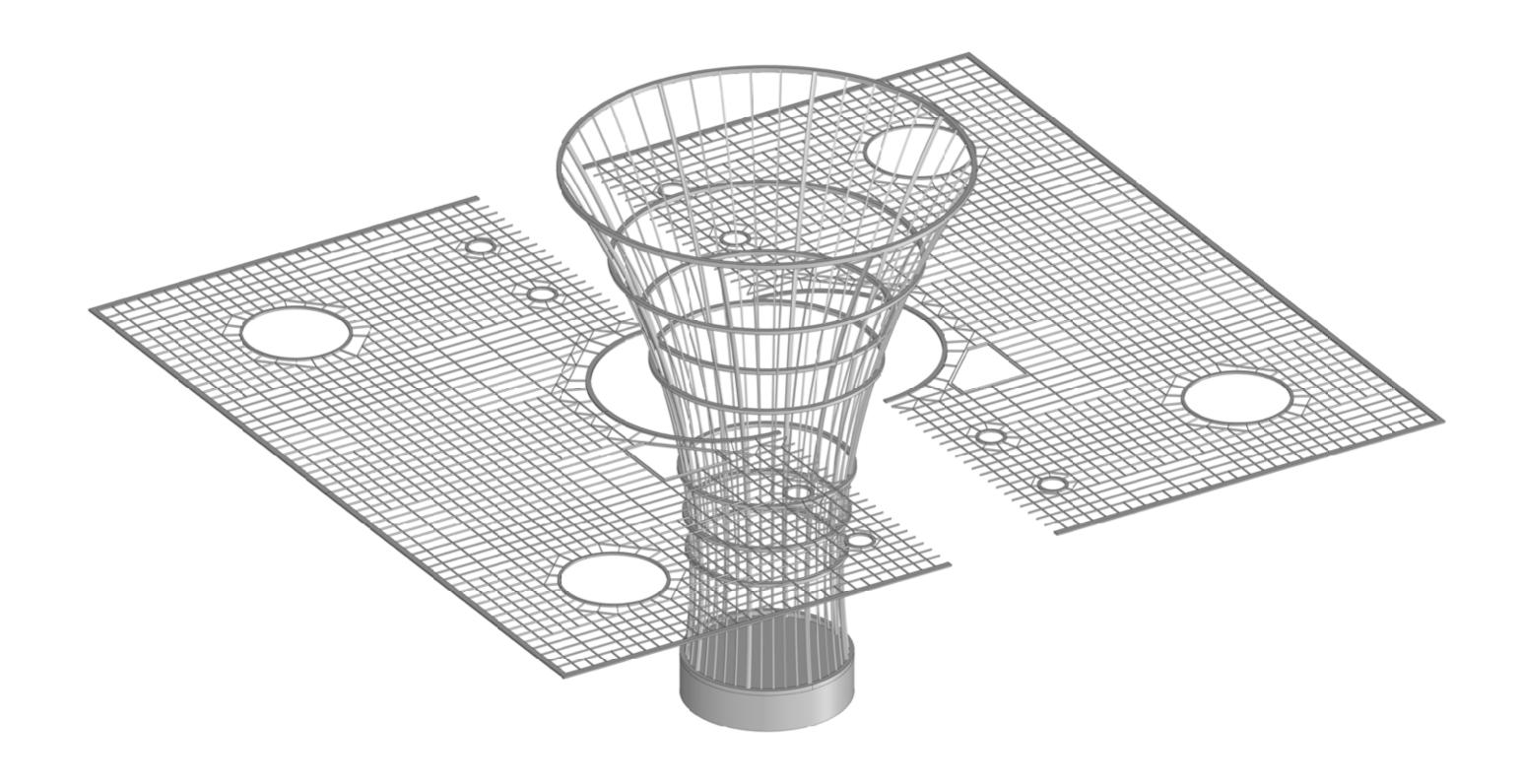
Grid Beam and Vertical System

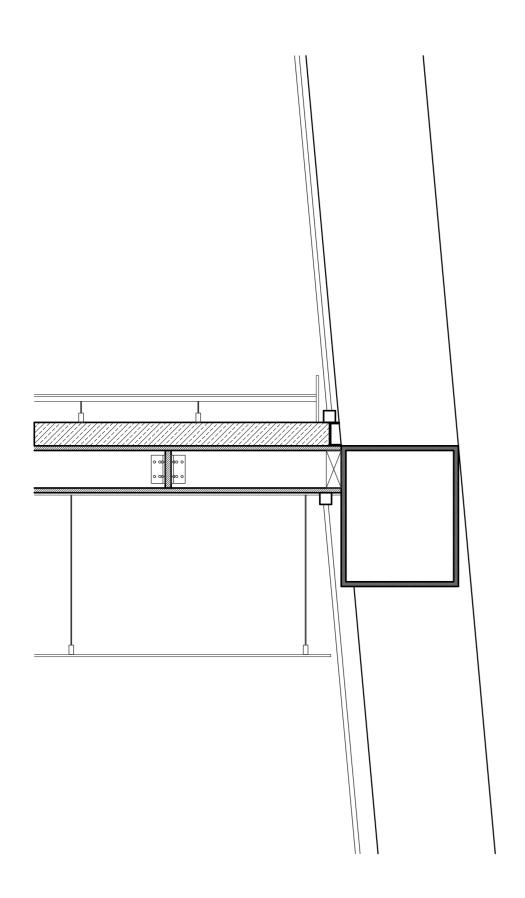


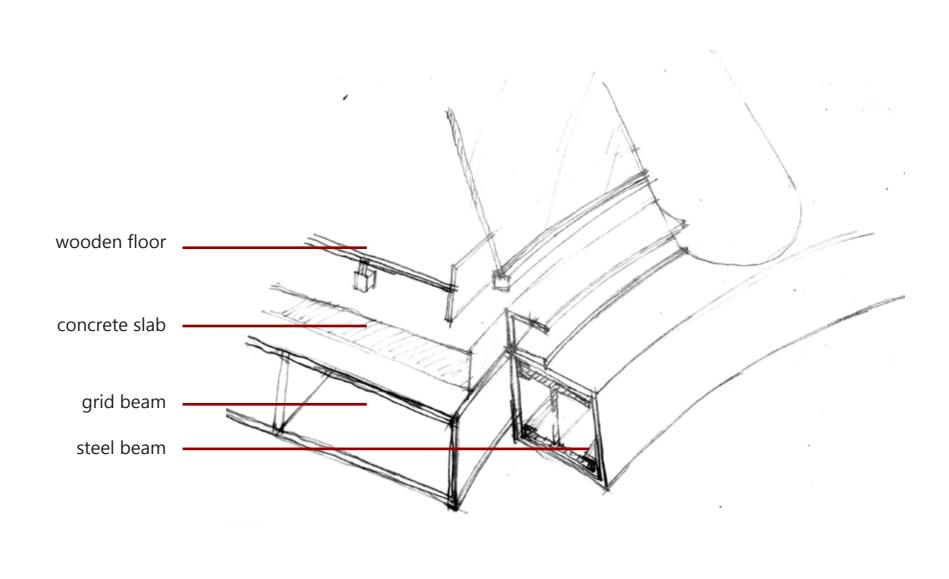
Grid Beam and Vertical System

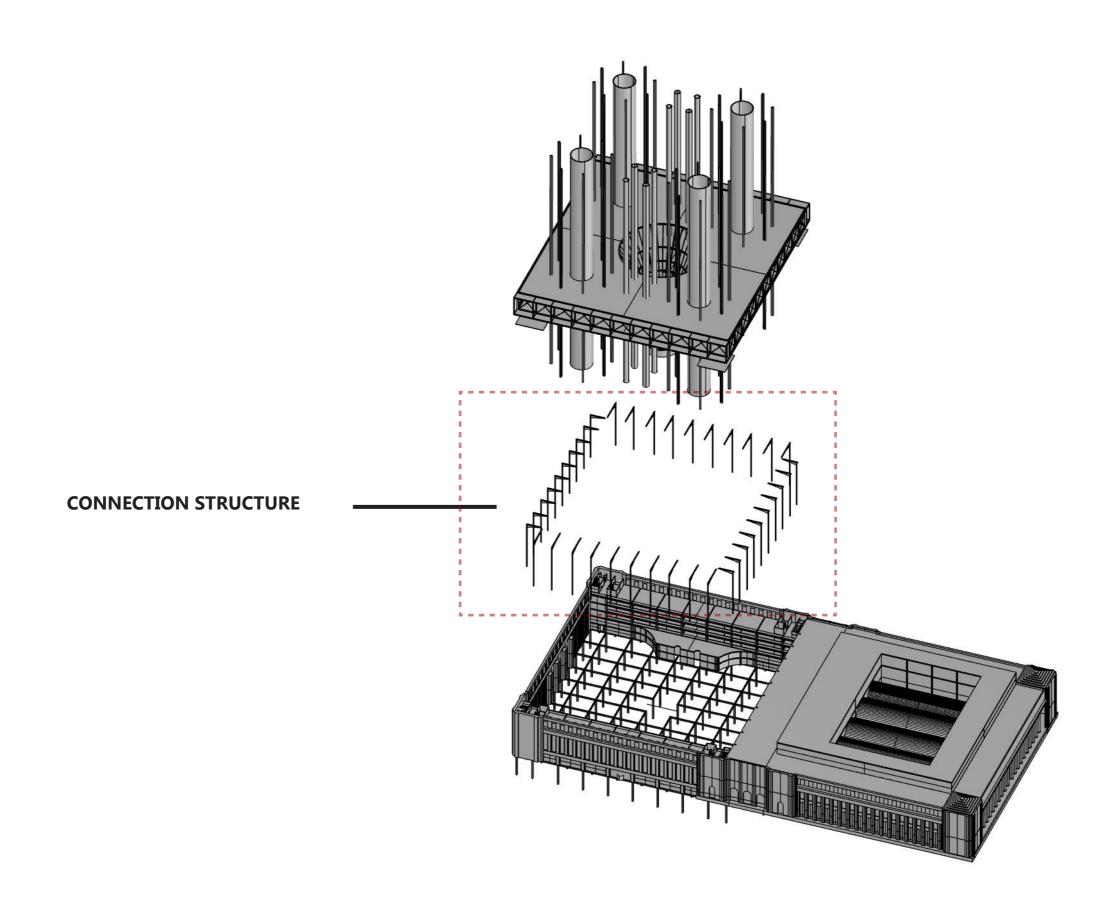


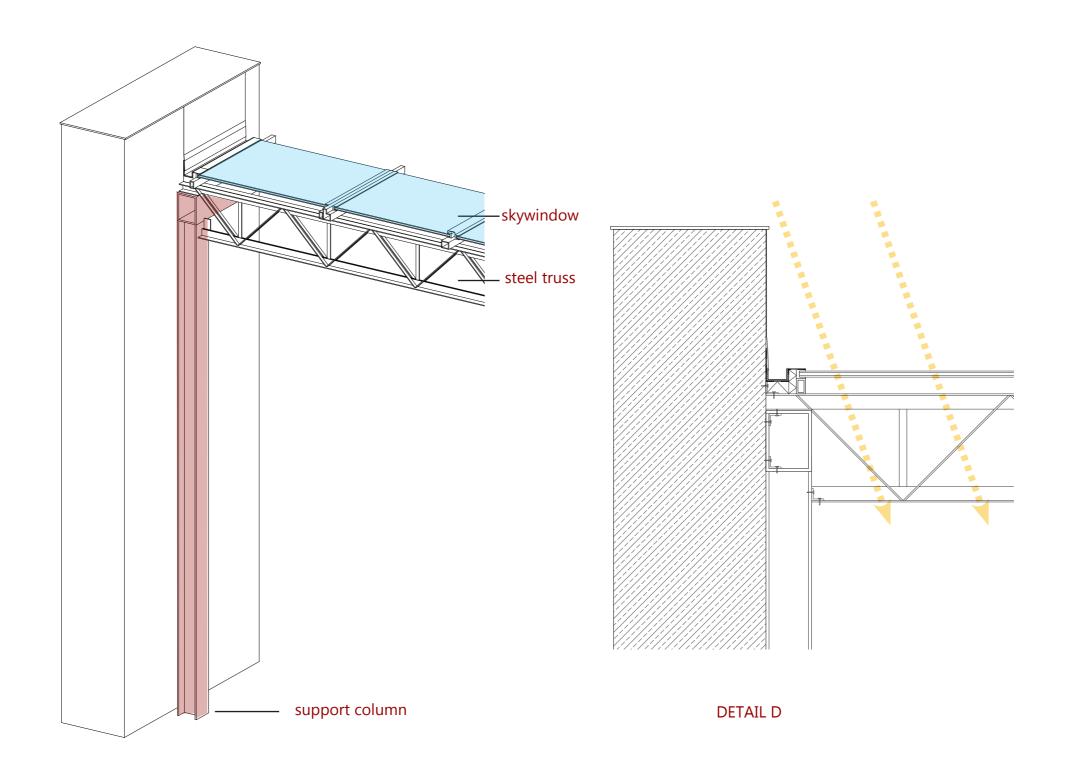
Grid Beam and Vertical System





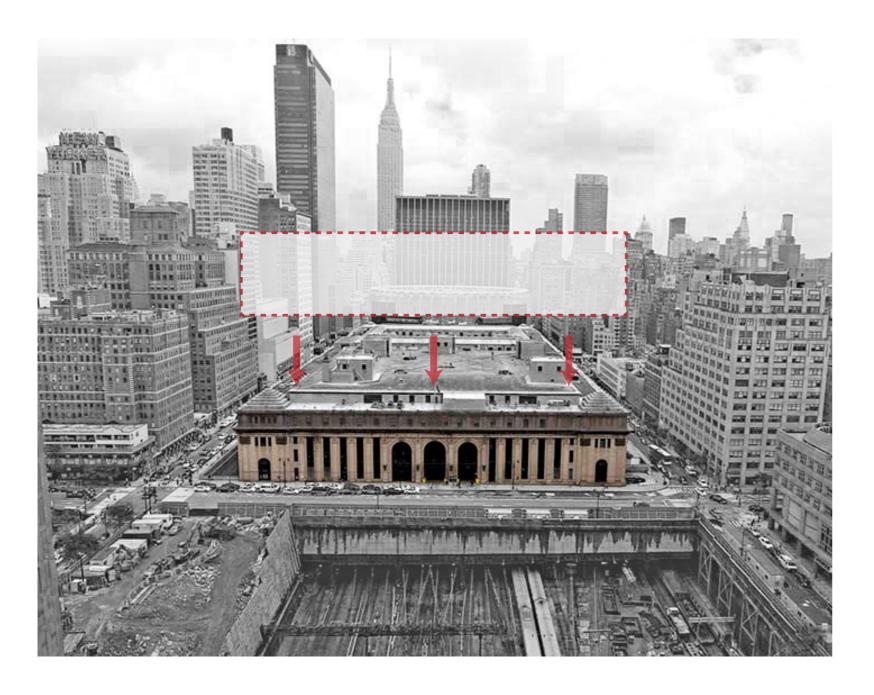


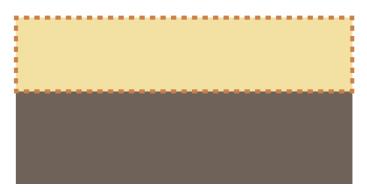






## **Facade & Materials**

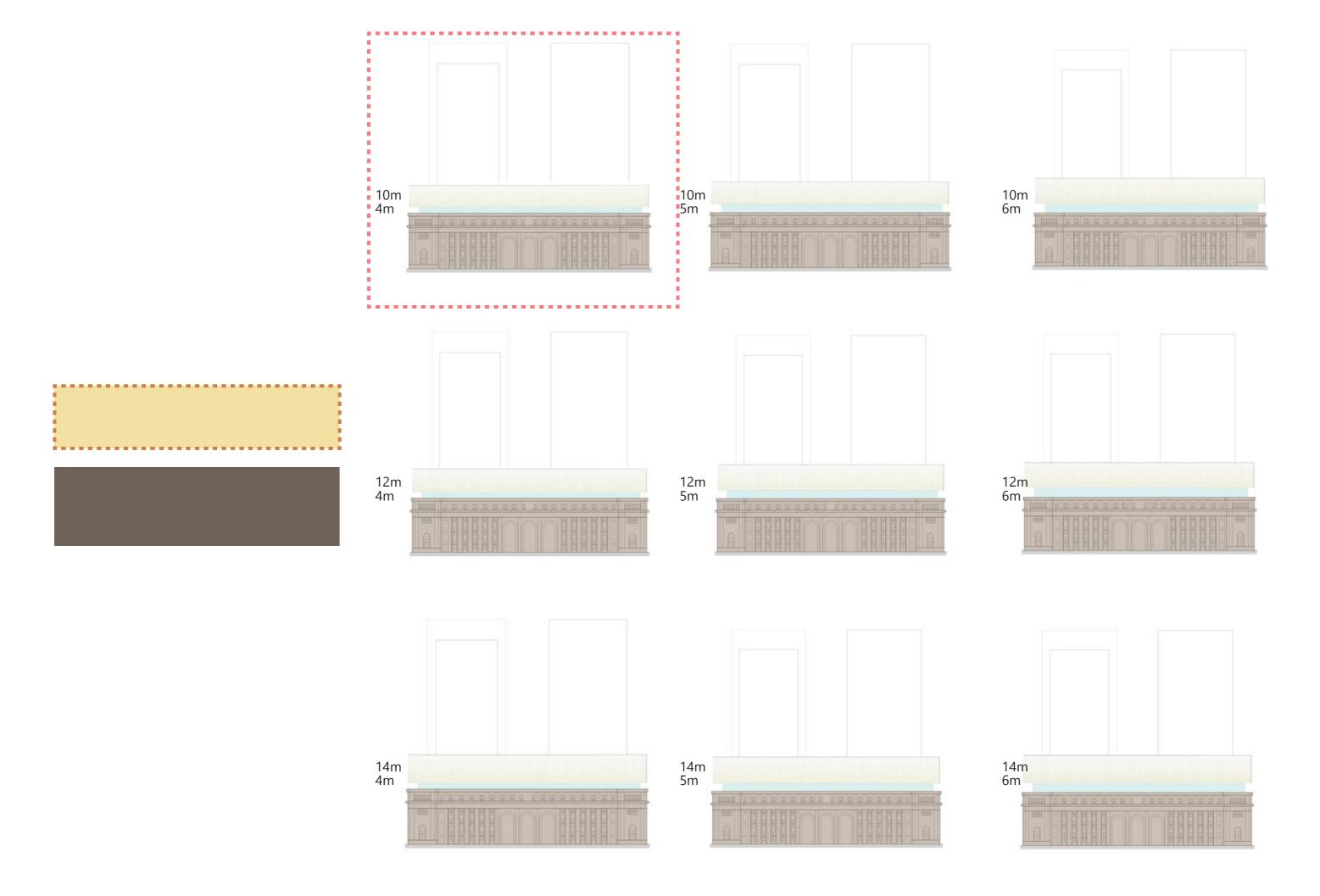


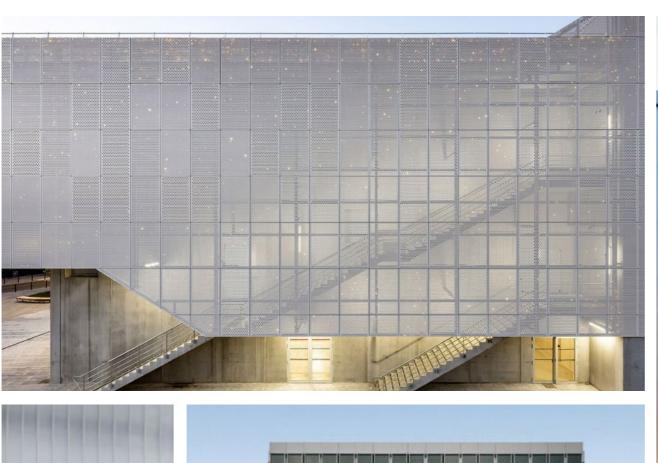


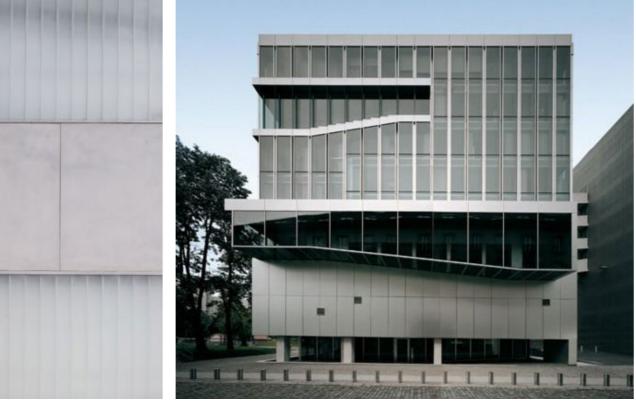
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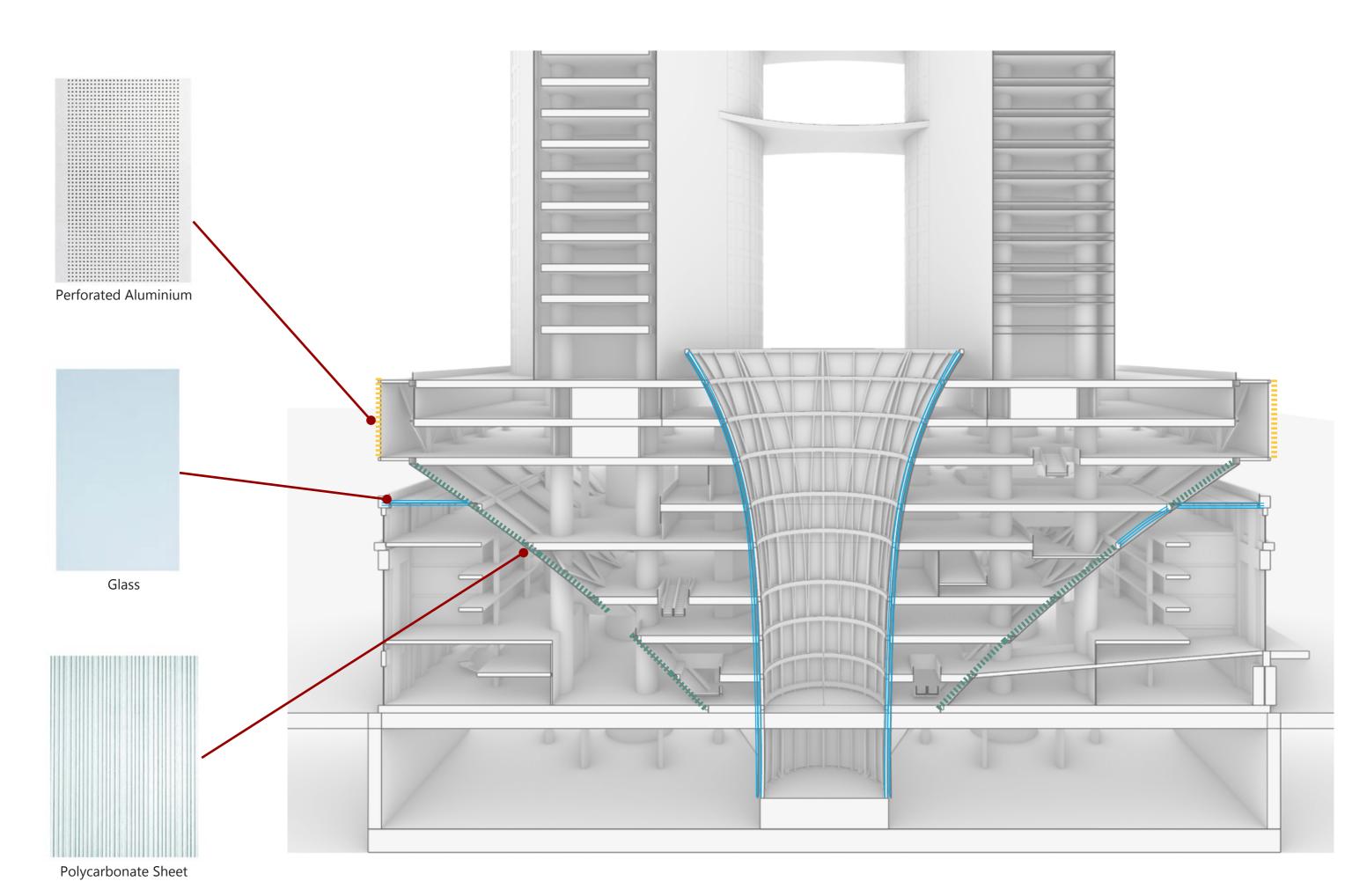
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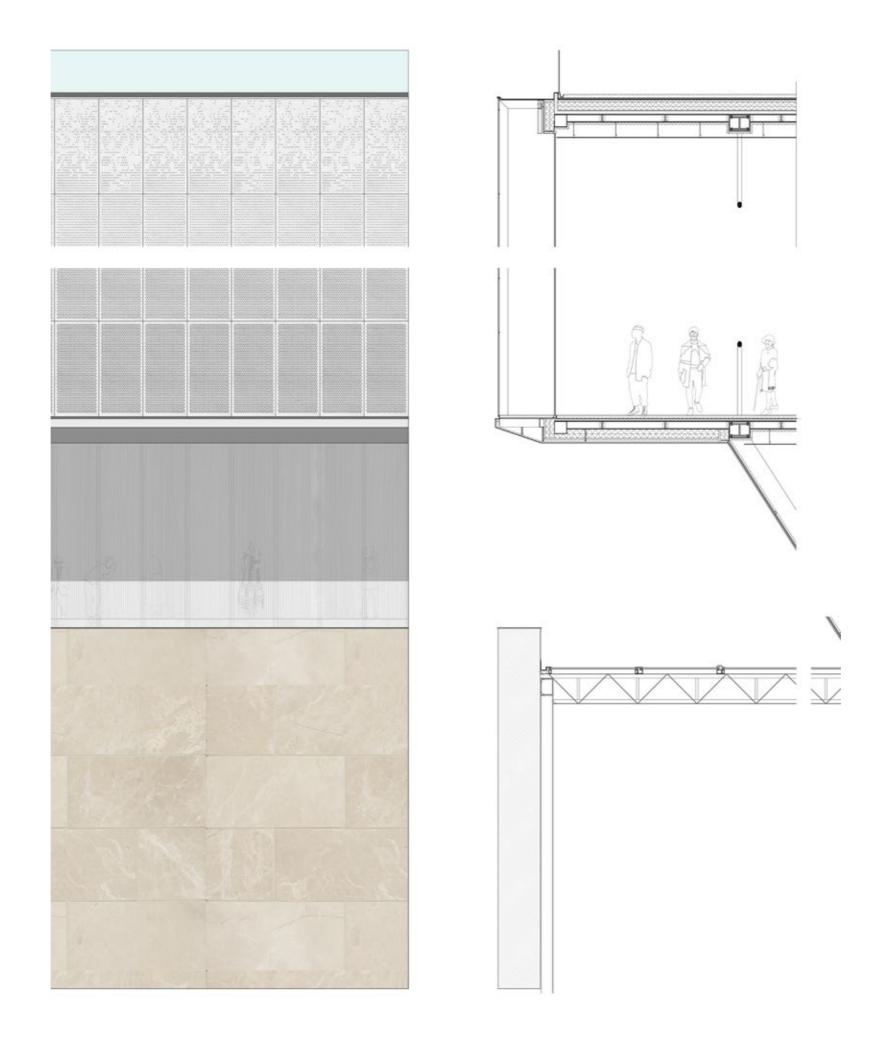


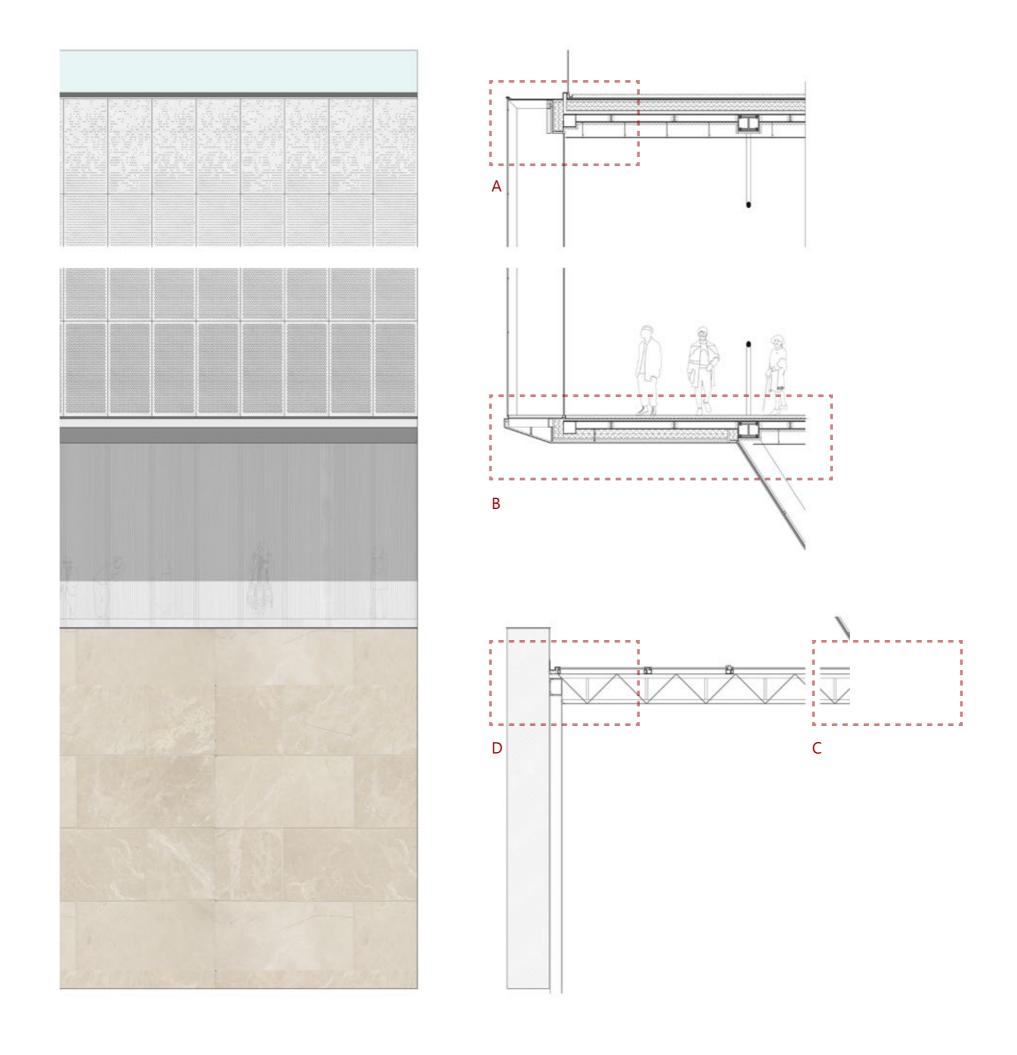


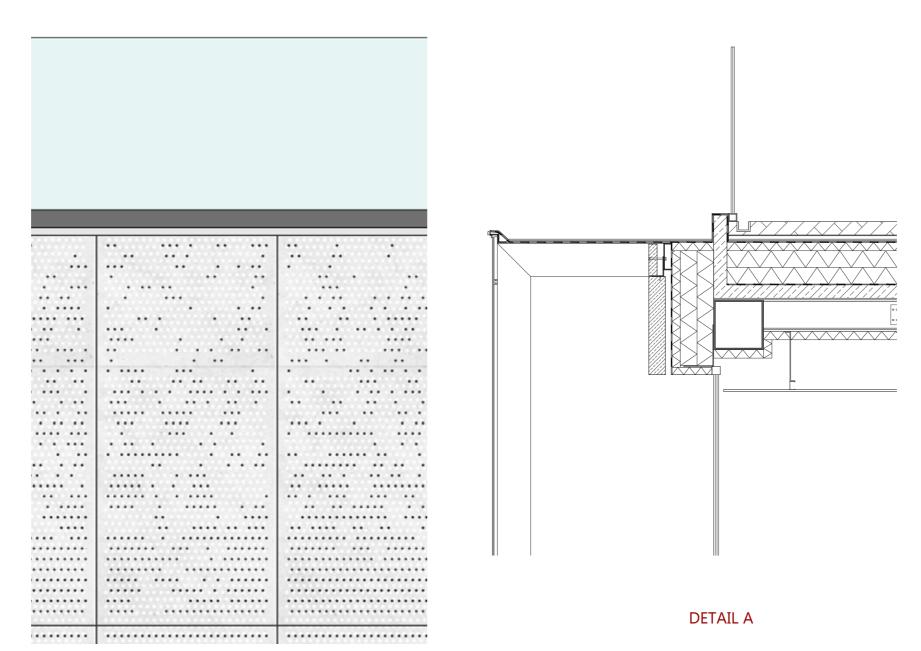




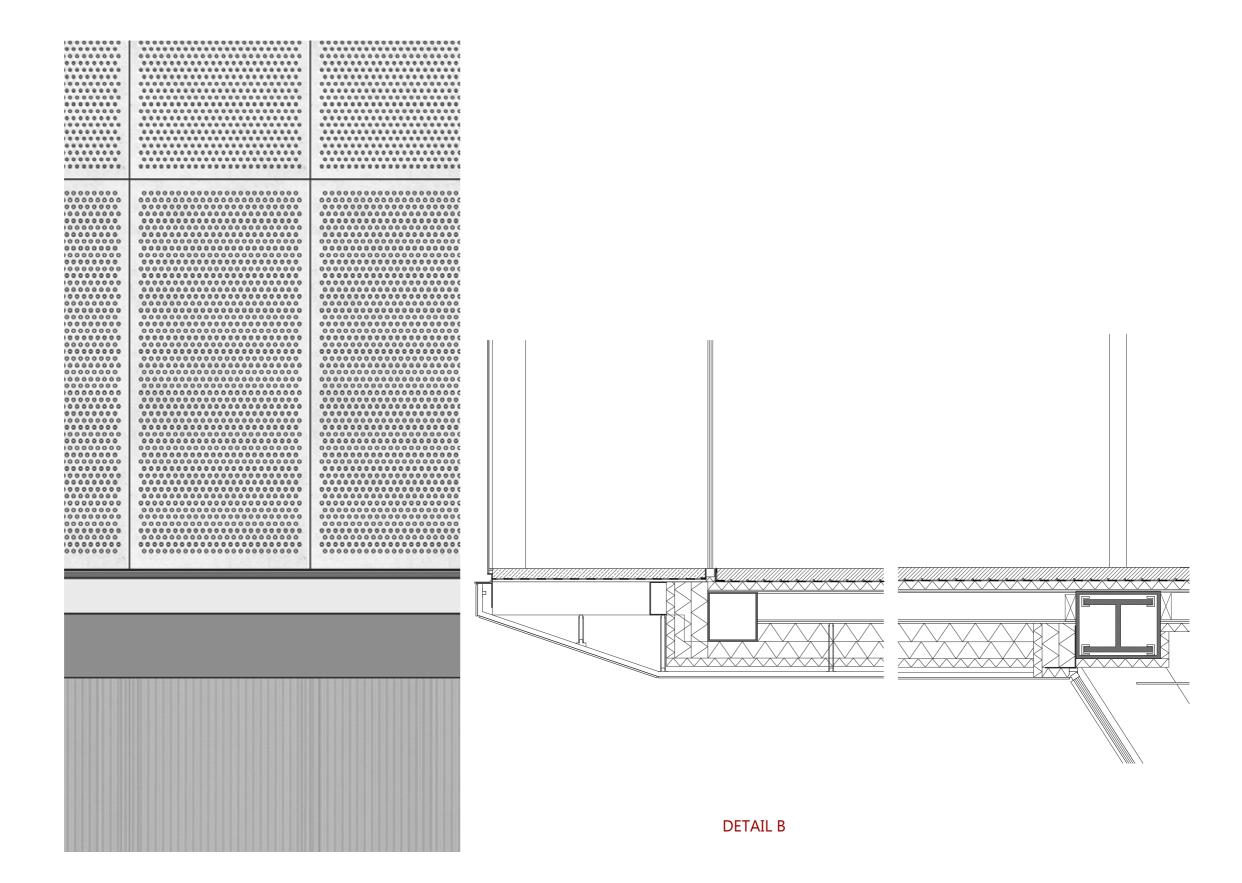
**Envelope System** 



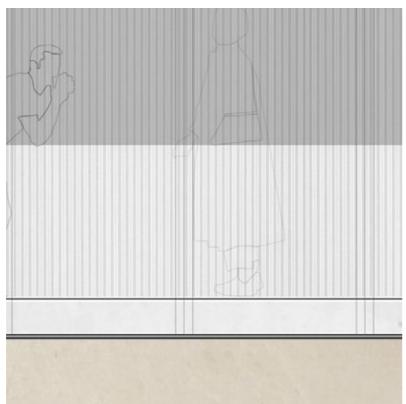




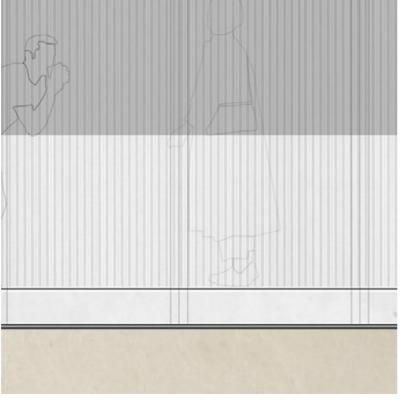
Perforated Aluminium

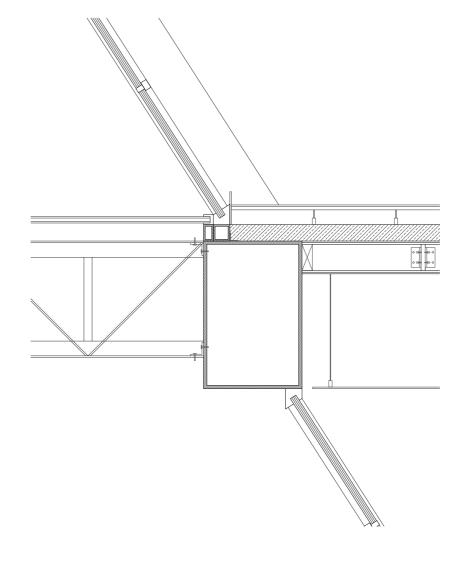


Paint Plate

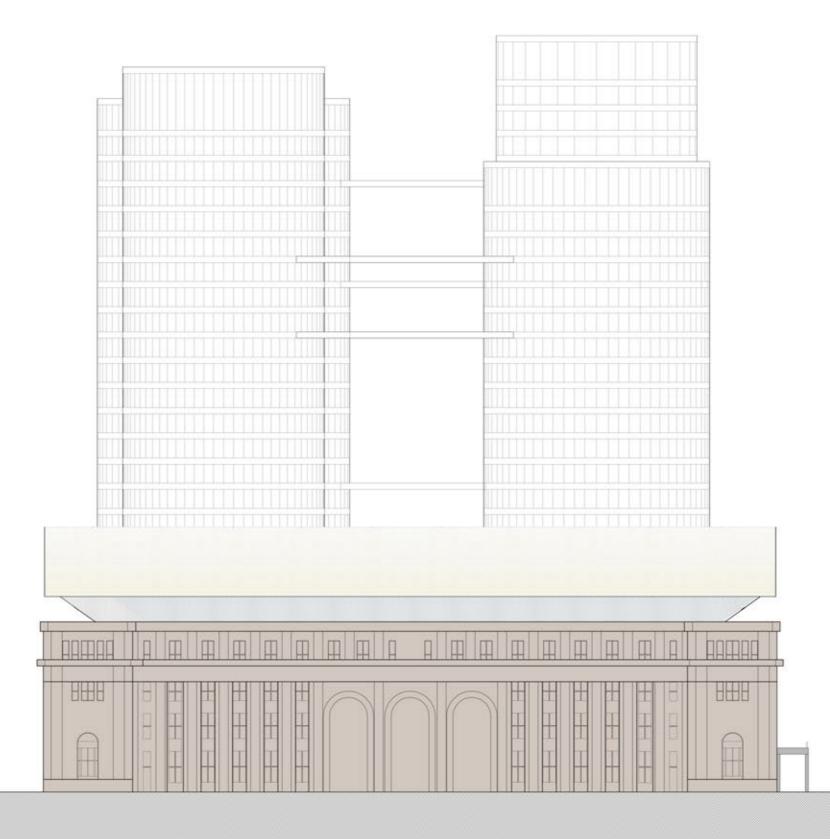


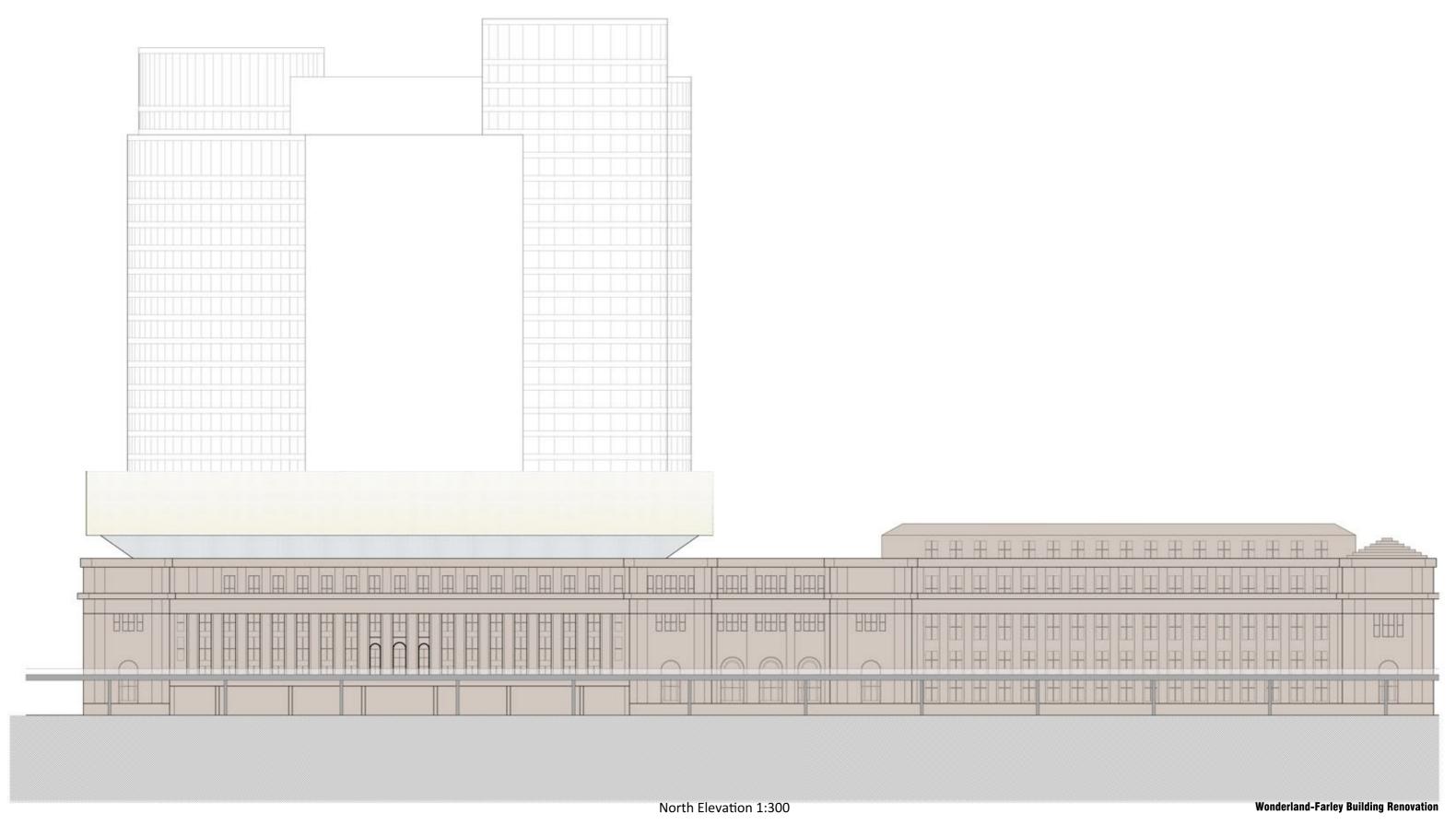
Polycarbonate Sheet





DETAIL C



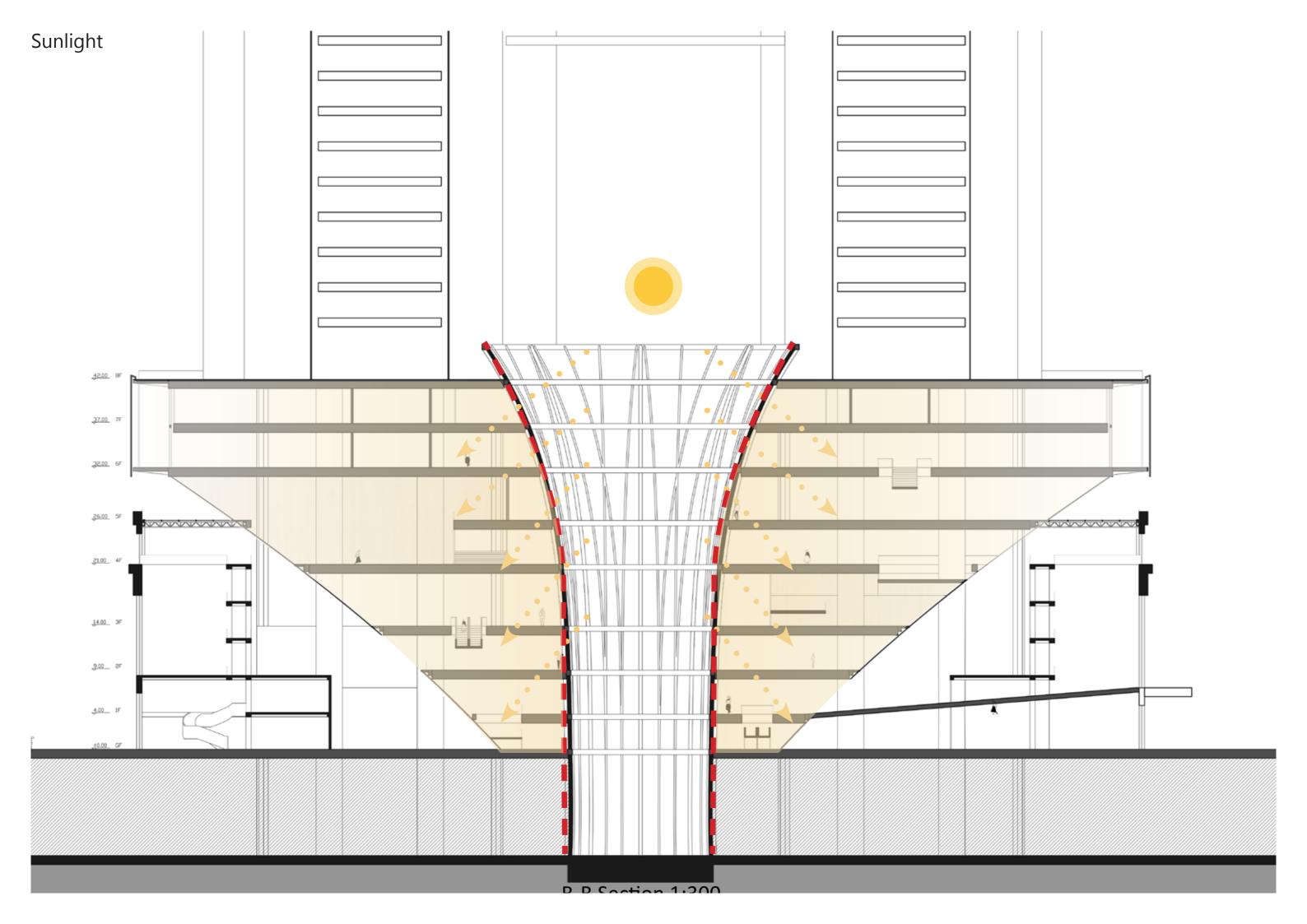


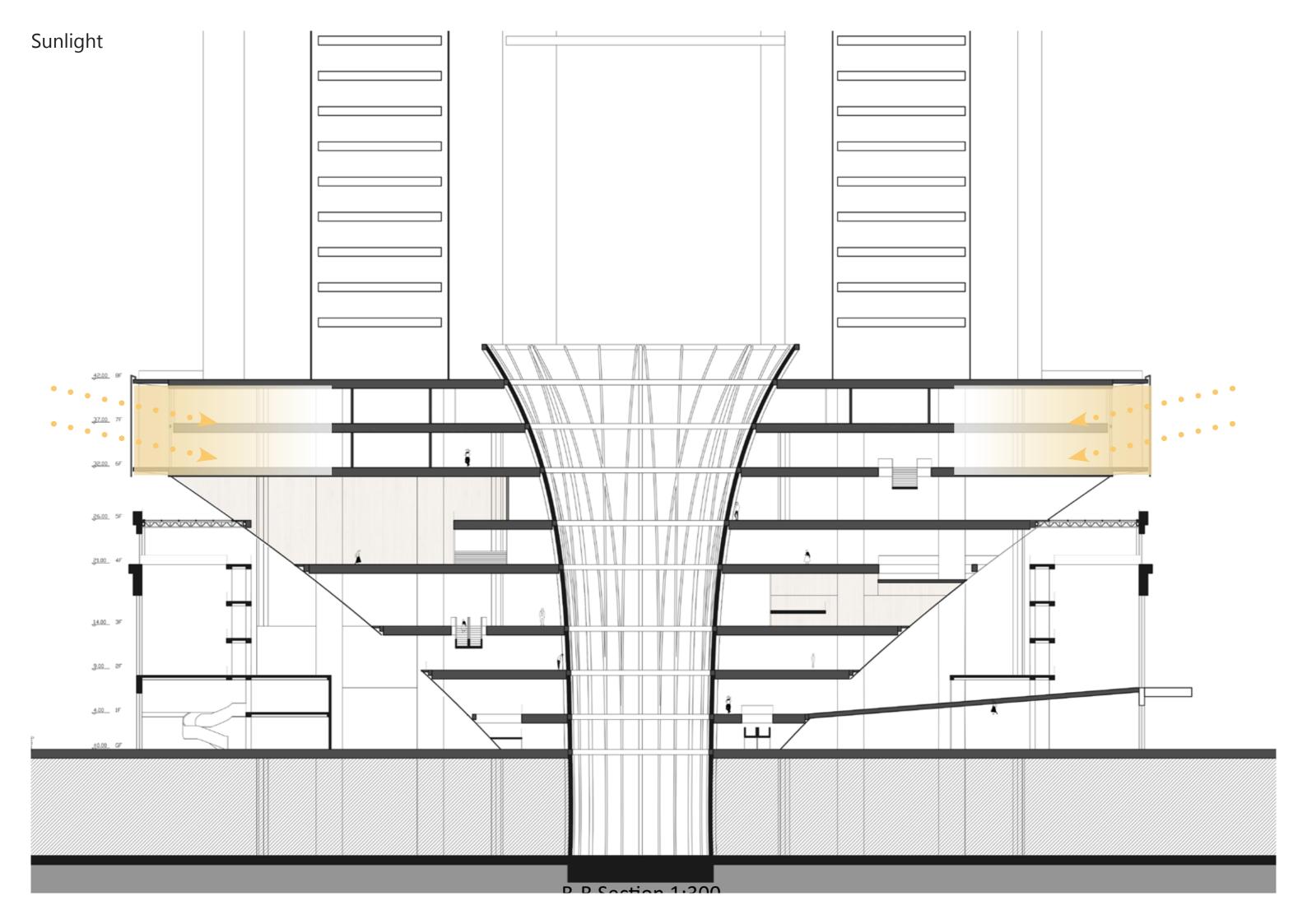
Fall 2020

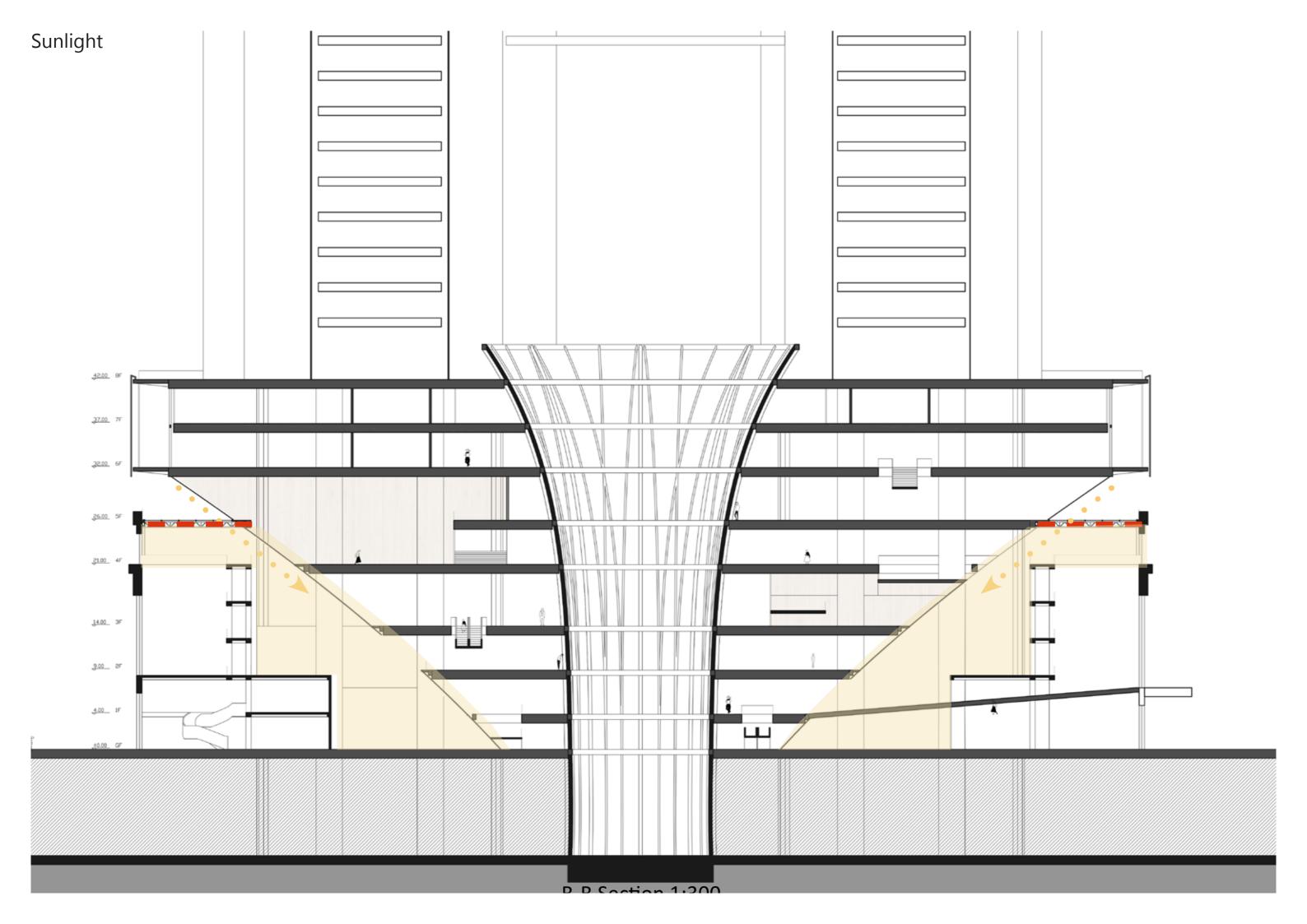


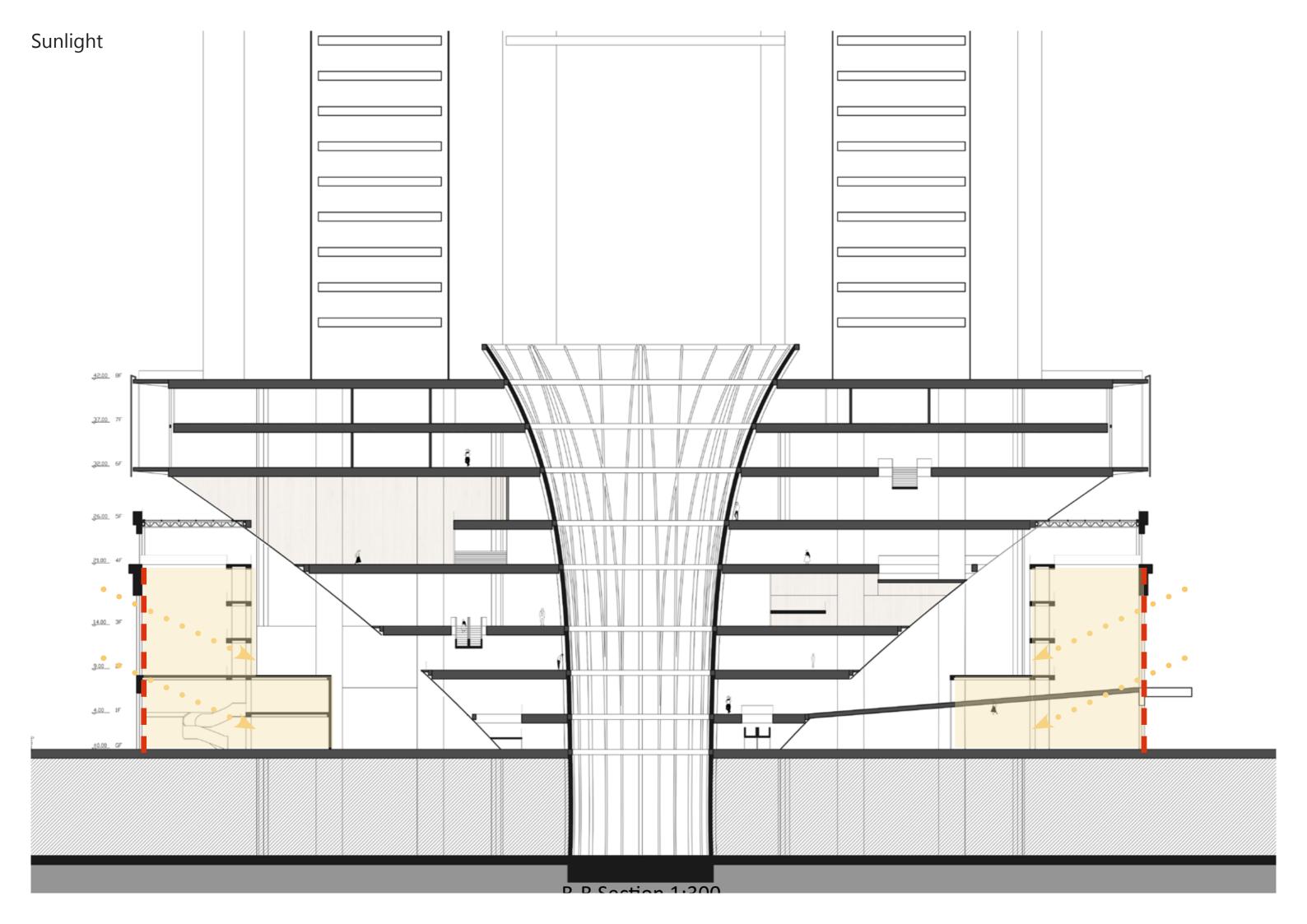


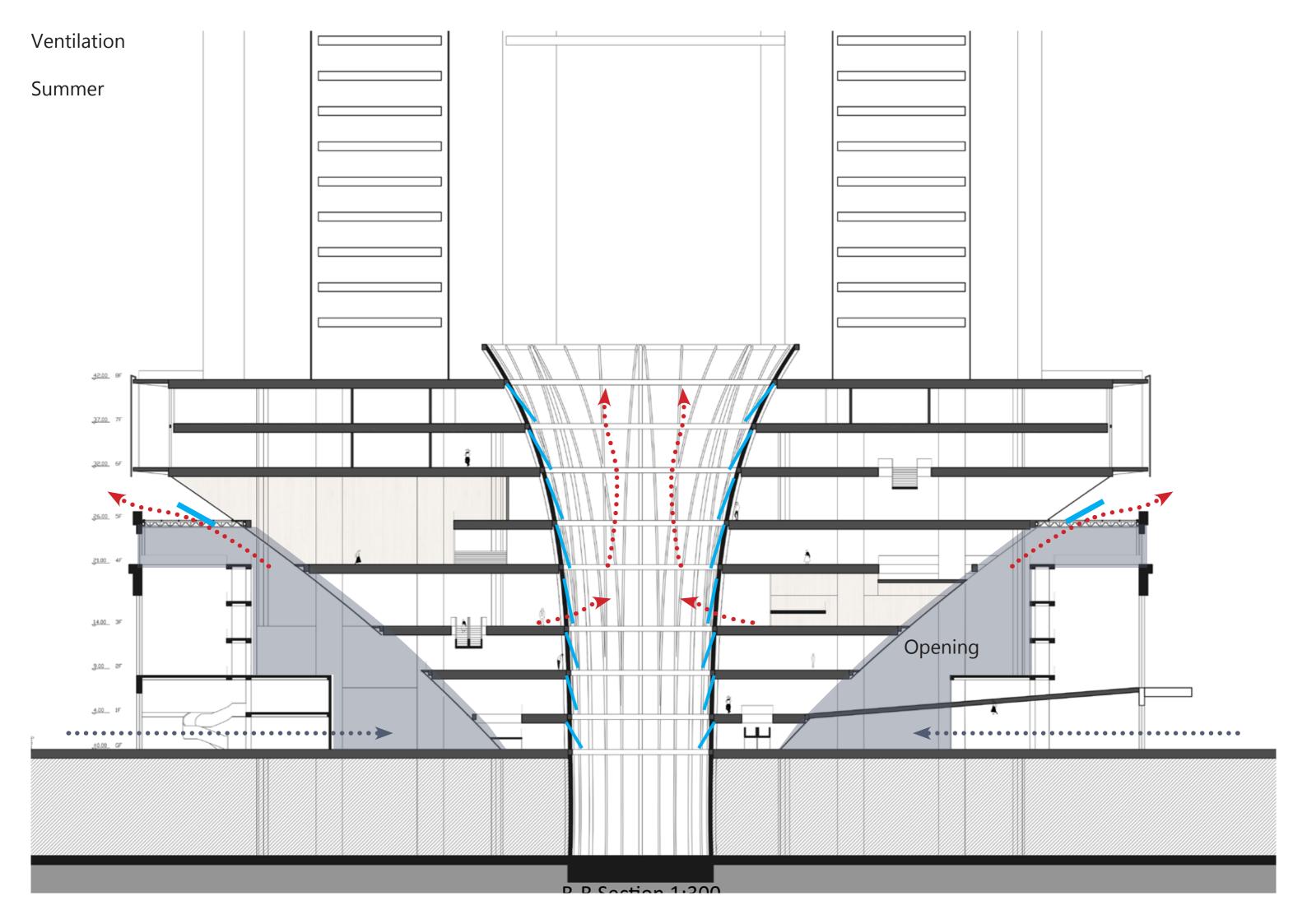
## **Environment**

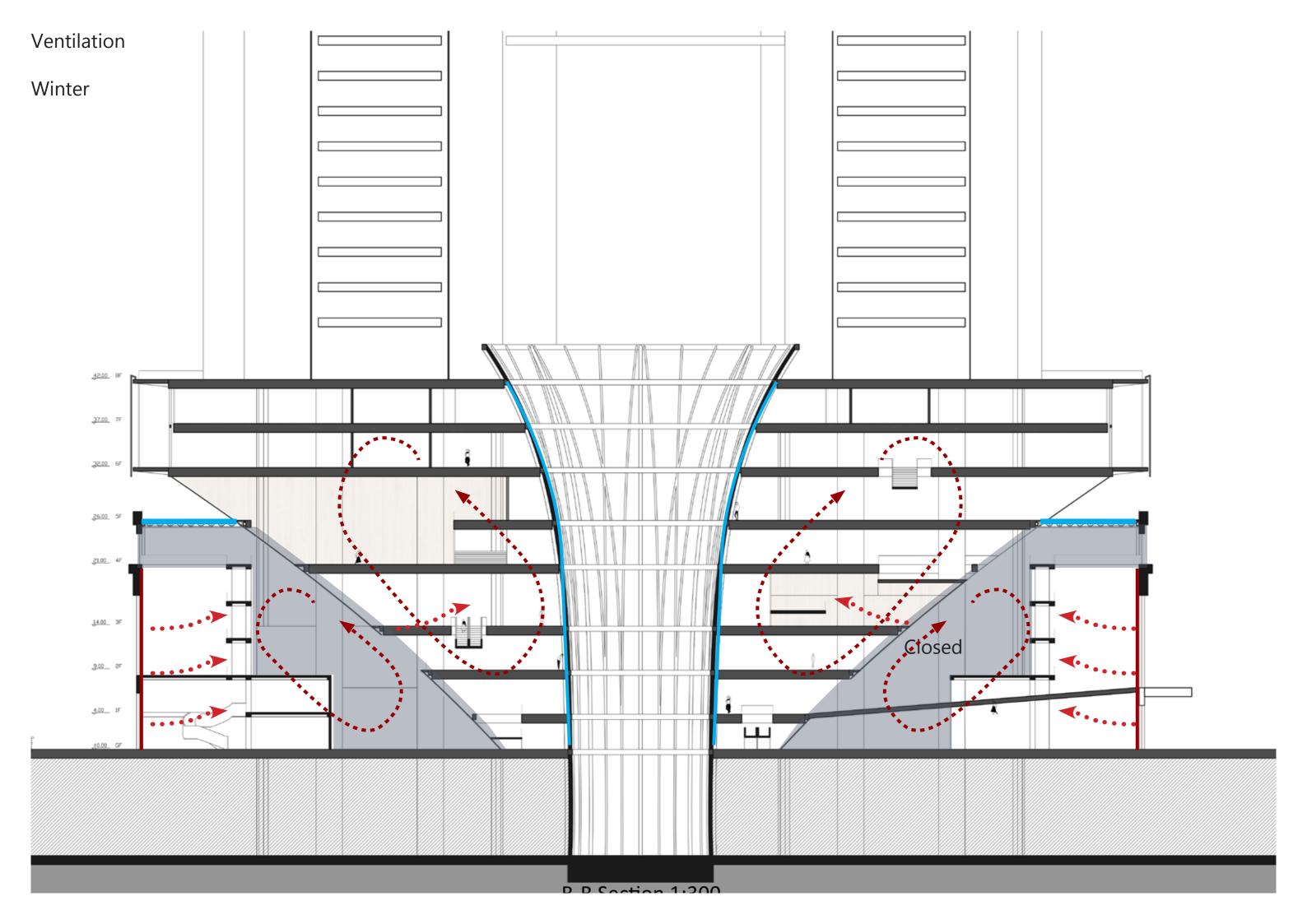


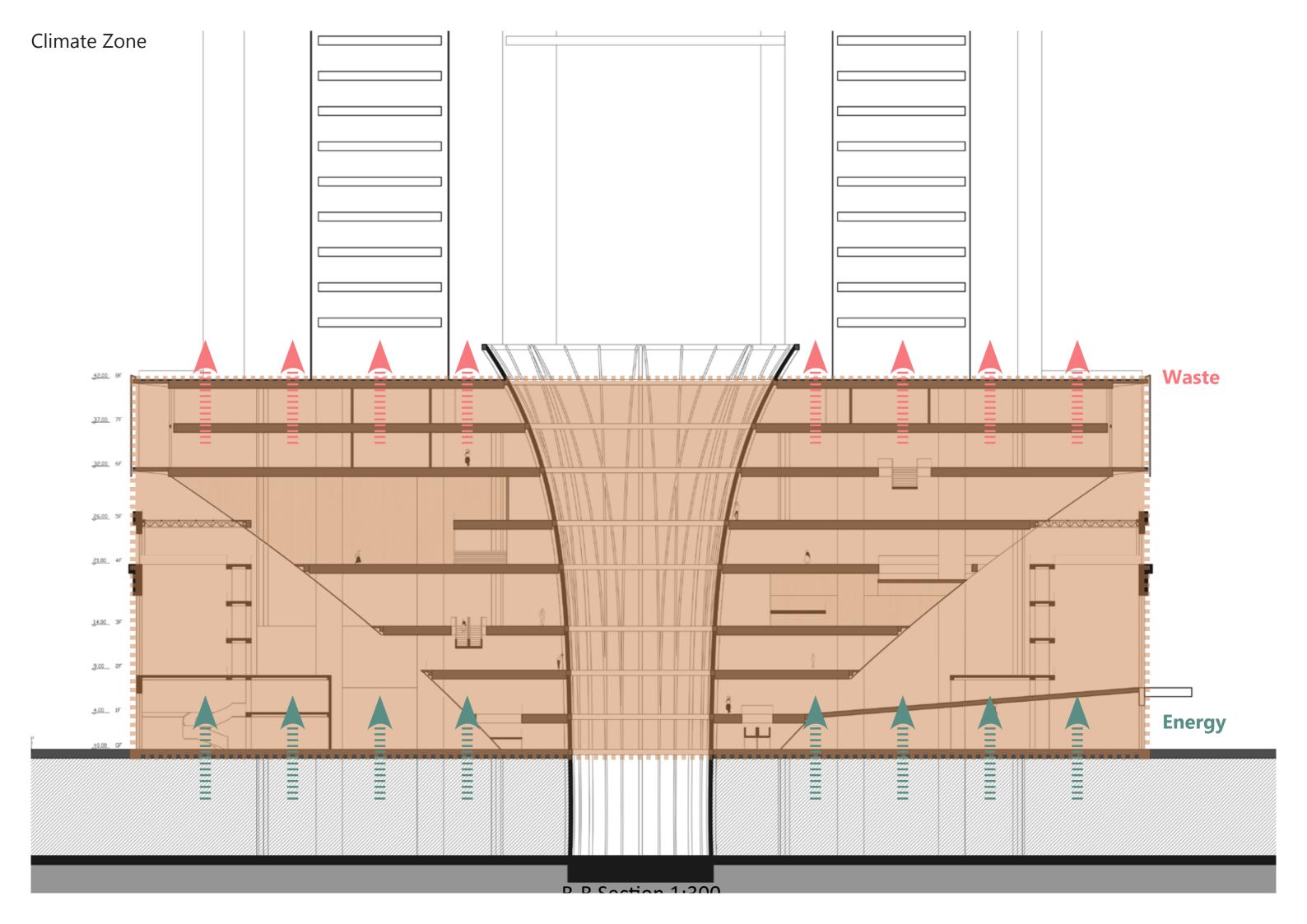


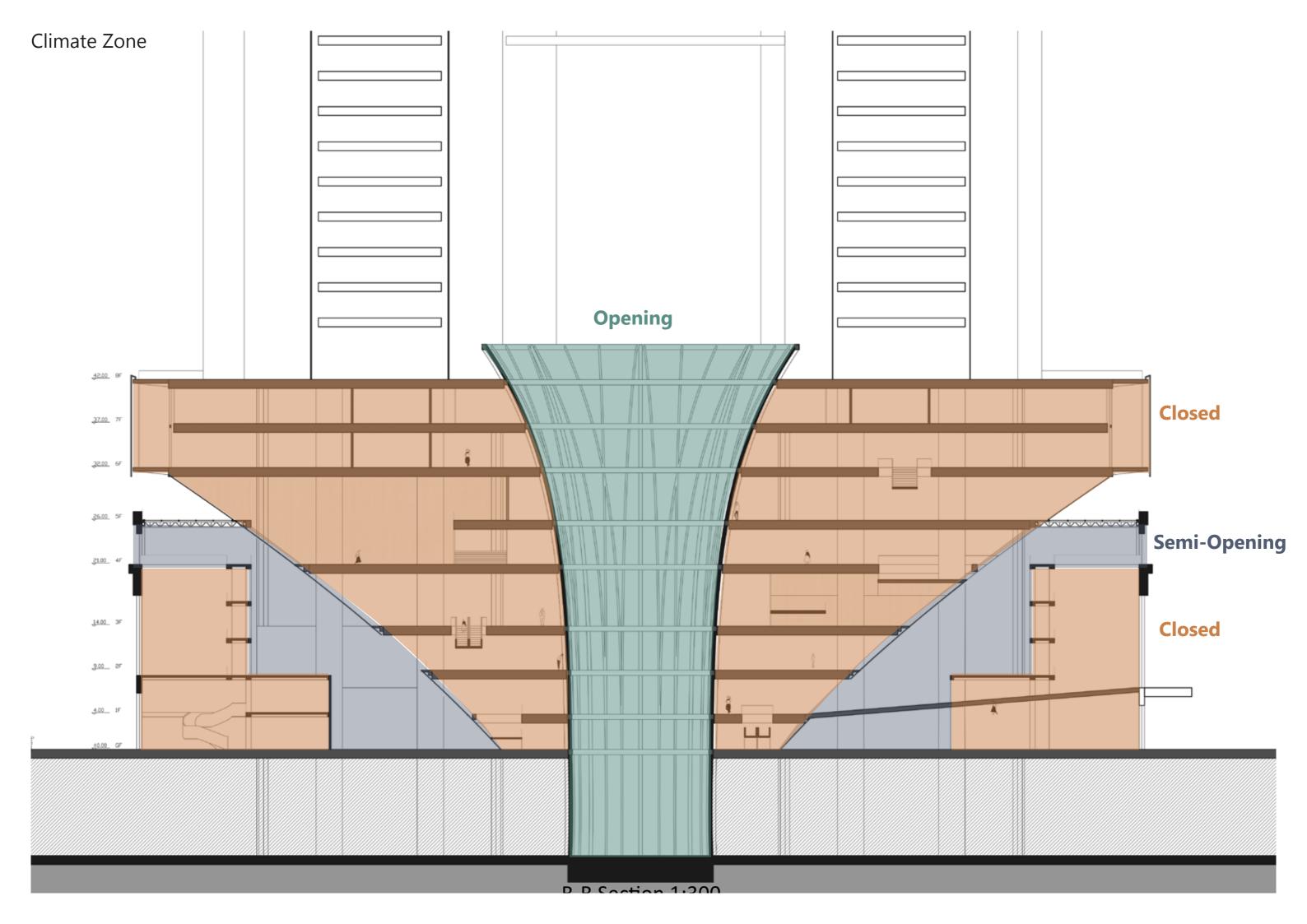


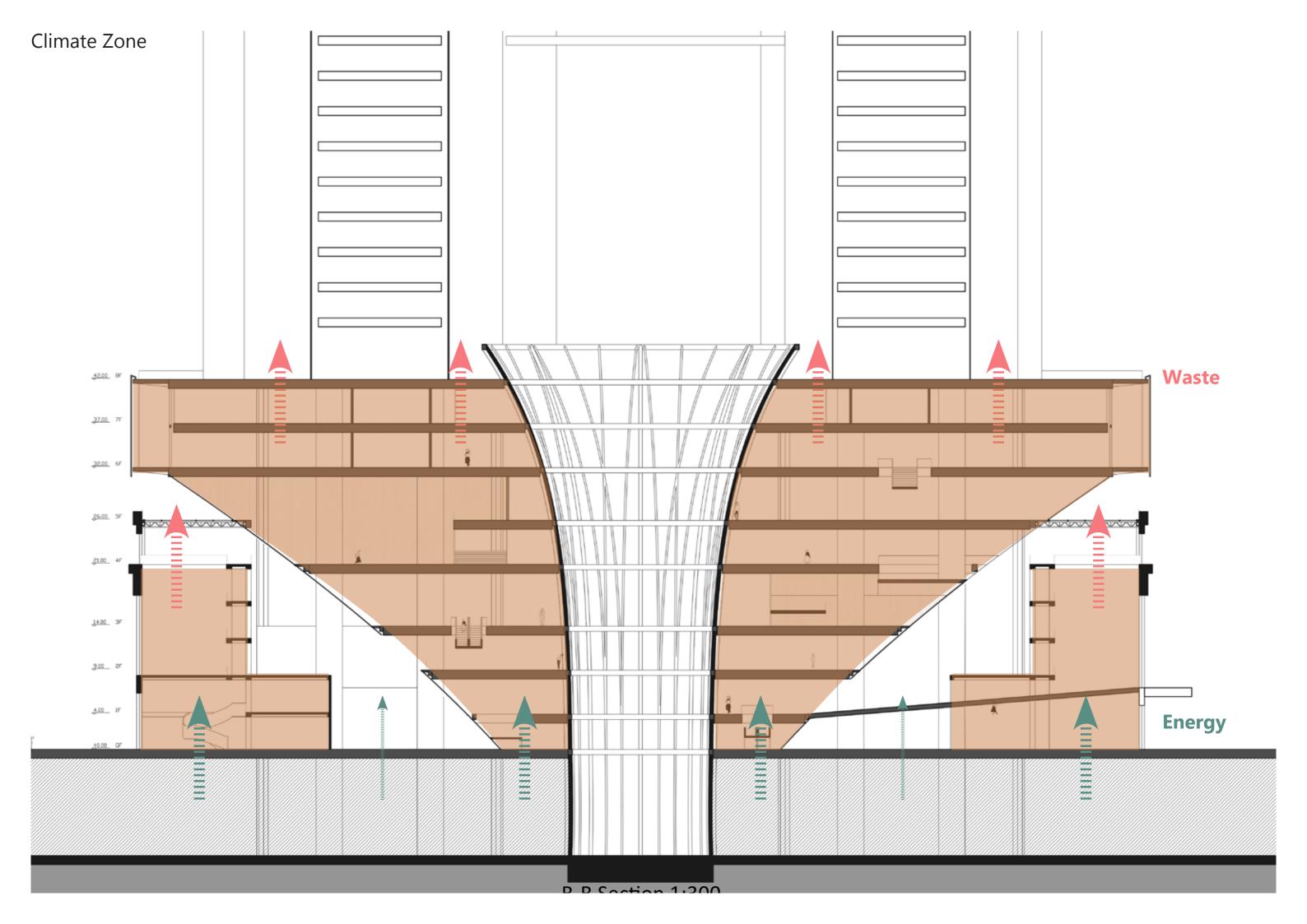


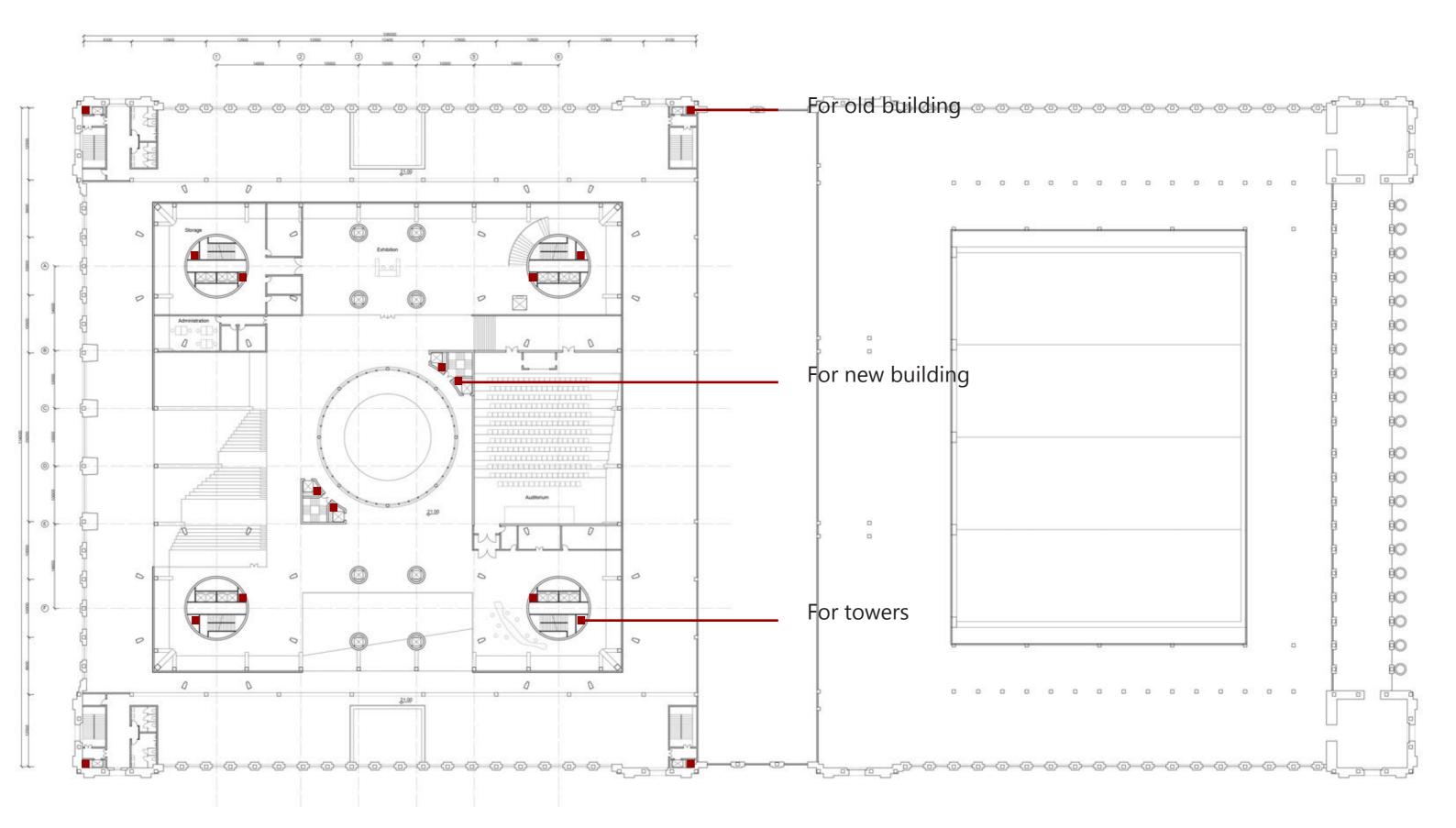


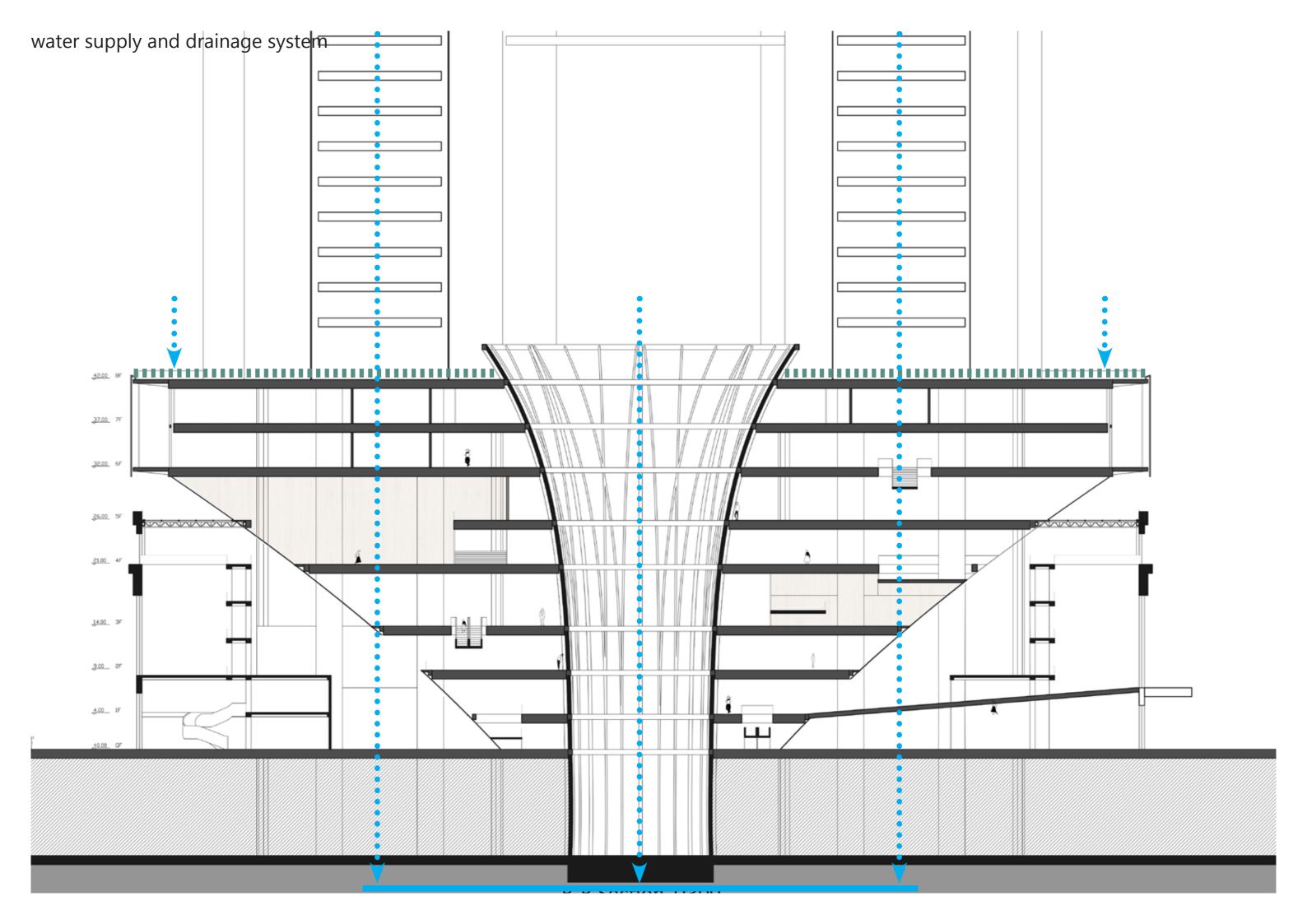


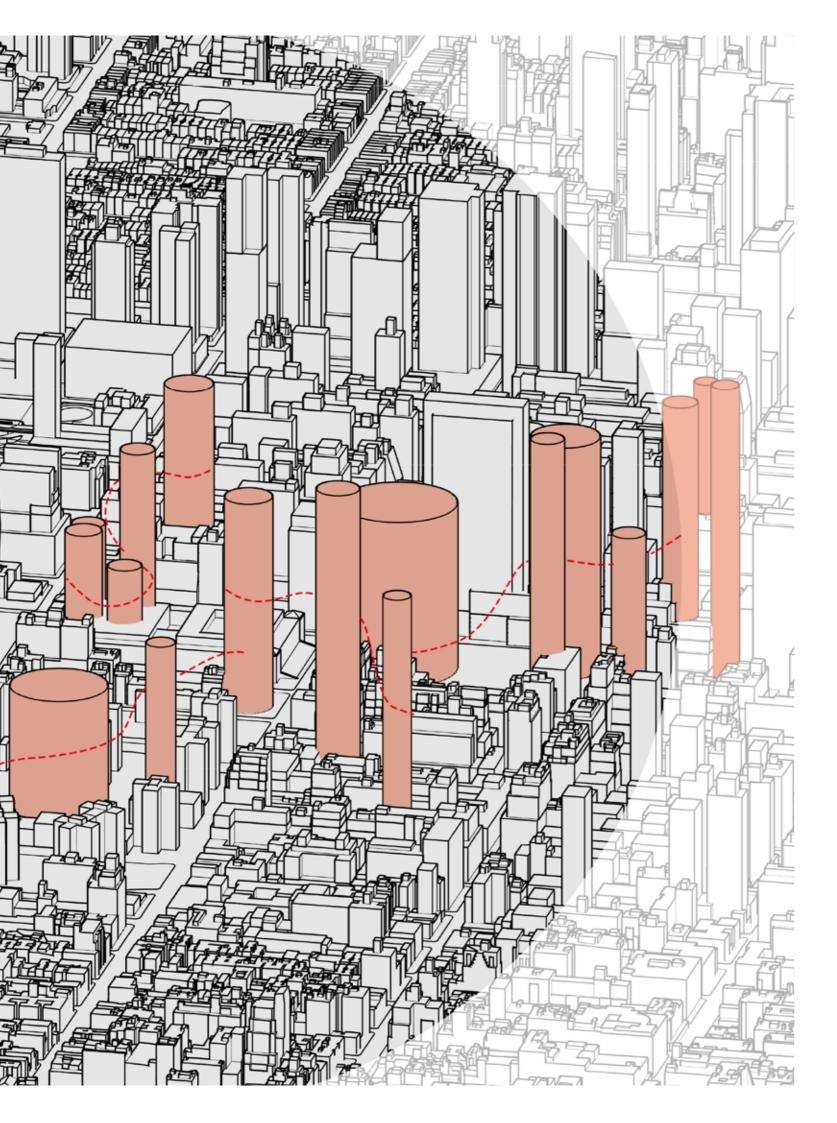












## **City Proposal**



