

Amstel InnovUnion

P5 PRESENTATION
Chenxi Dai 4512650



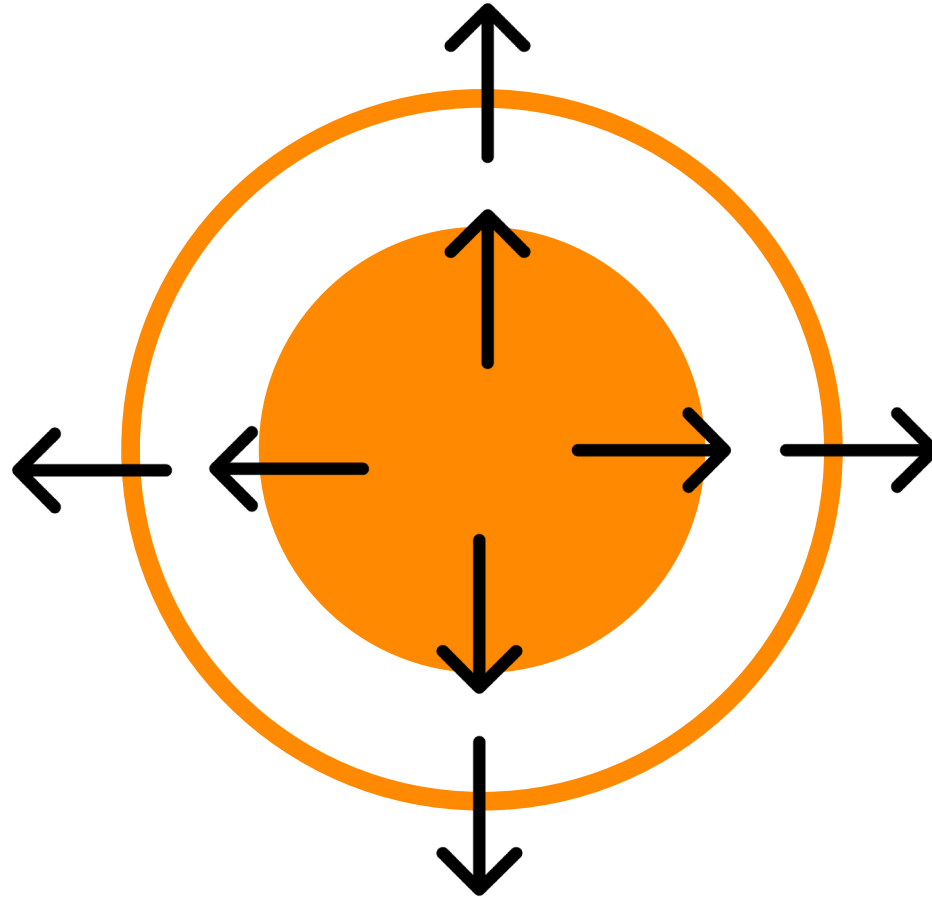
An aerial photograph of Amsterdam, showing the city's characteristic canal network. A semi-transparent grid of green lines is overlaid on the city, representing a proposed or planned canal system for the year 2050. The text 'AMSTERDAM 2050' is centered in the image in a bold, orange font. The background shows the dense urban fabric of Amsterdam, with buildings, streets, and the IJ river in the distance.

AMSTERDAM 2050



DENSIFICATION

AMSTERDAM 2050 LARGER INNER CITY



MAJOR GROWTH OF POPULATION



Foreign Employee

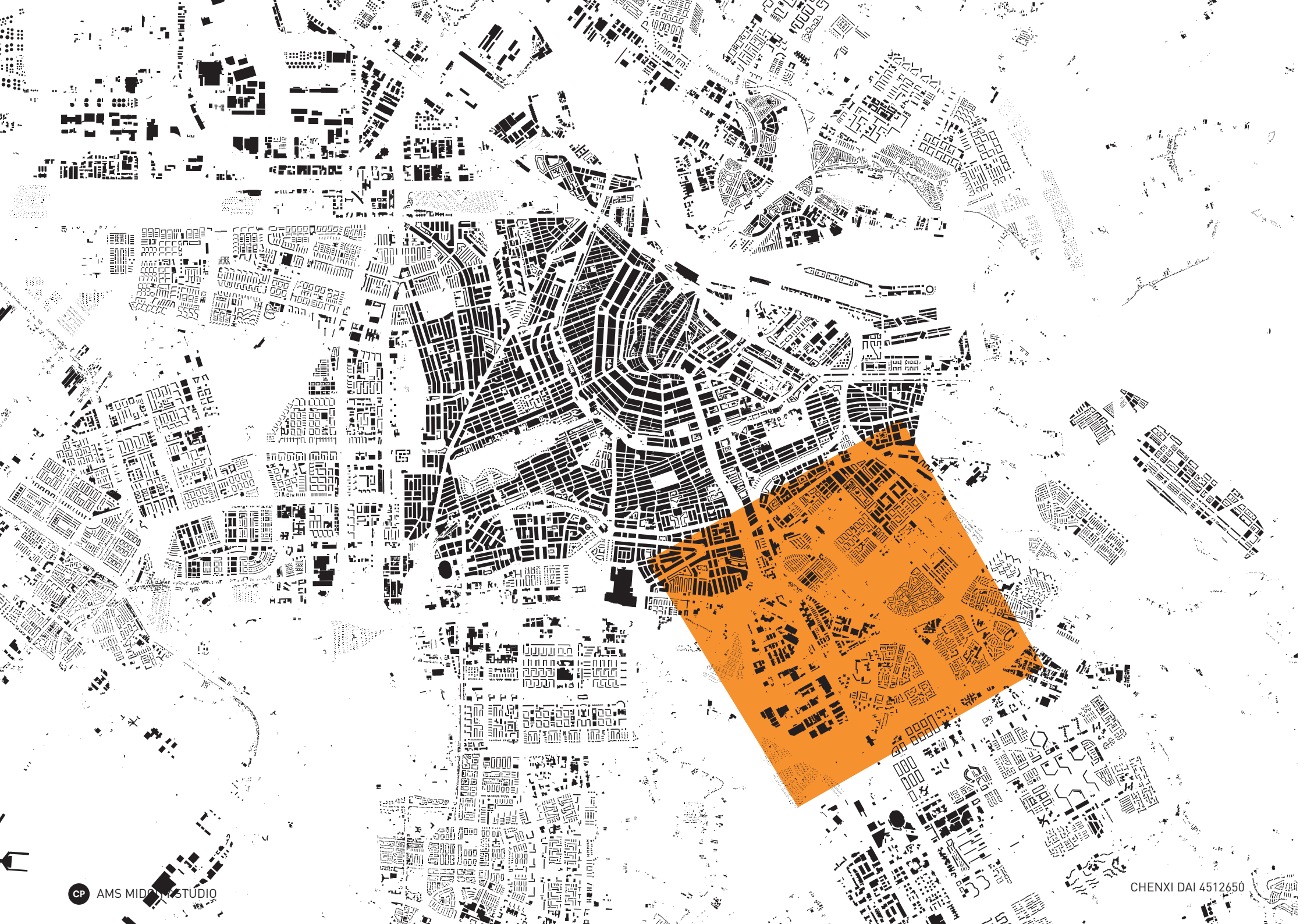


International Student

- **Multicultural Background**
- **Talented and Innovative**

AMSTEL





AMSTEL FOR DENSIFICATION



Amsterdam Centre

5065 people/ km2



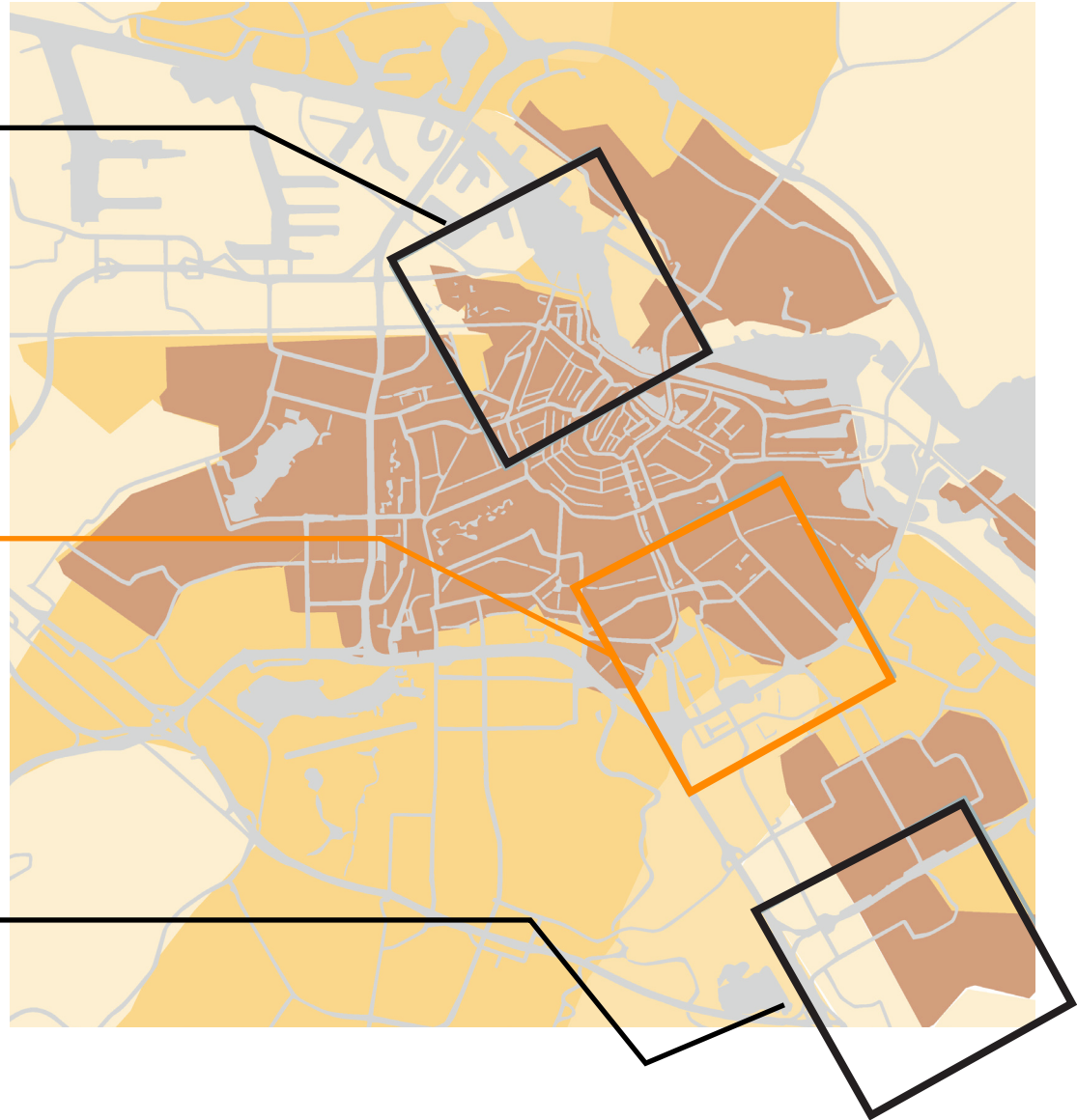
Amstel

2630 people/ km2

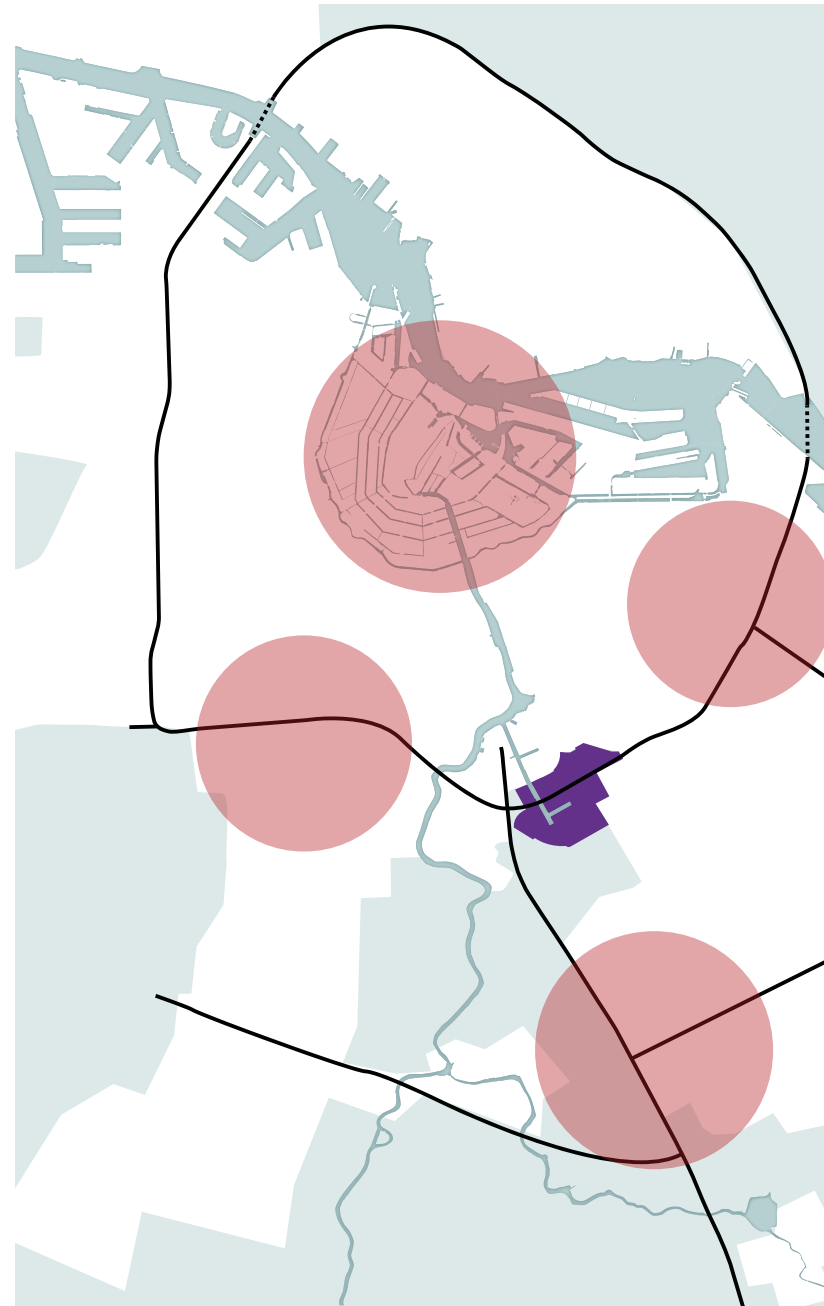


Zuidoost

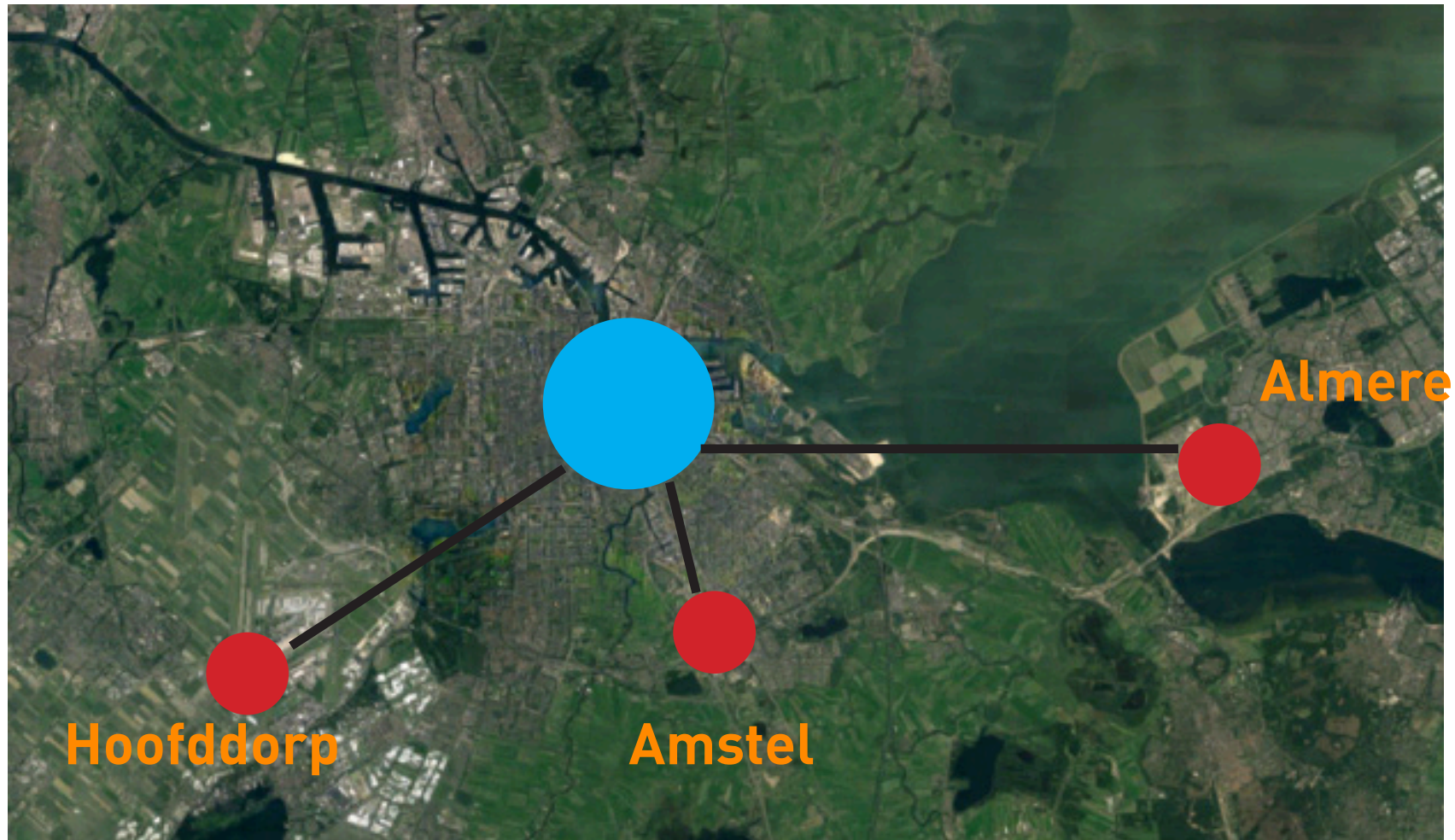
4302 people/ km2



AMSTEL: LOCATION AND CONNECTION



AMSTEL: LOW RENT





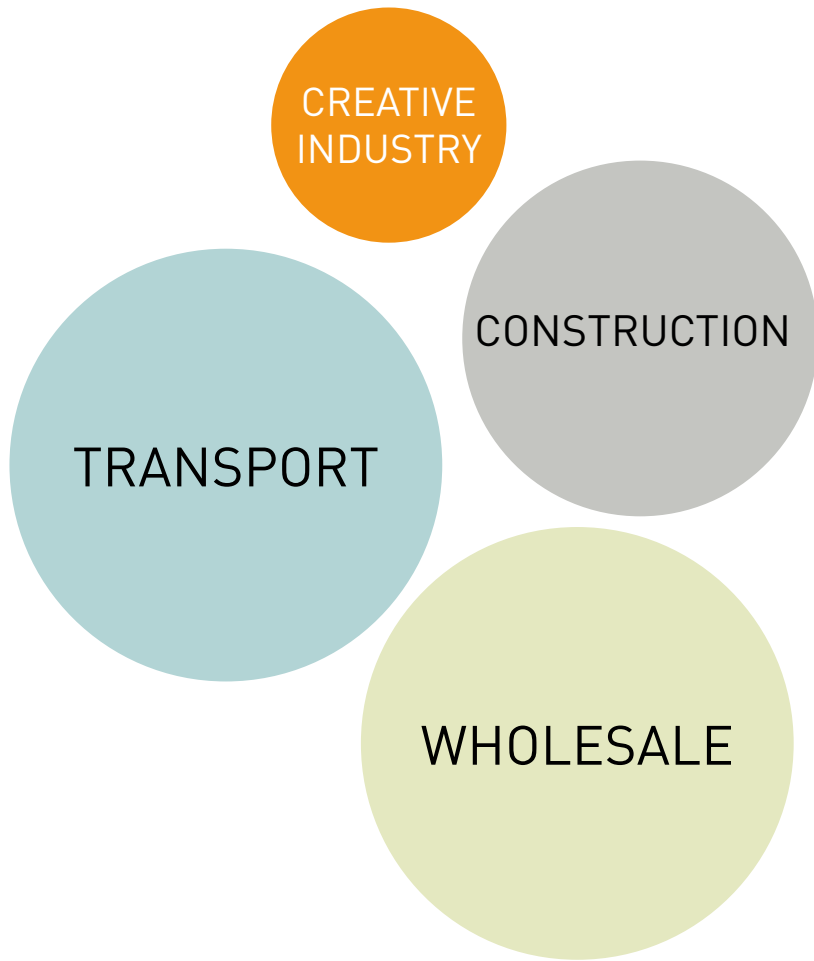
DNA: PRODUCTION

AMSTEL: PRODUCTION

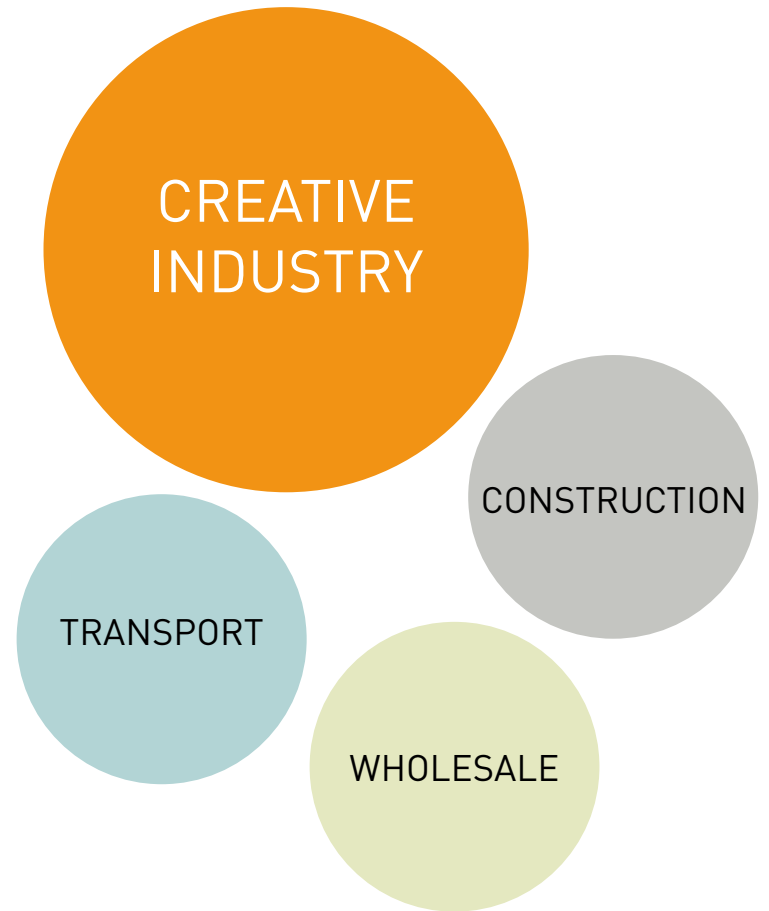


AMSTEL: NEW PRODUCTION





2018

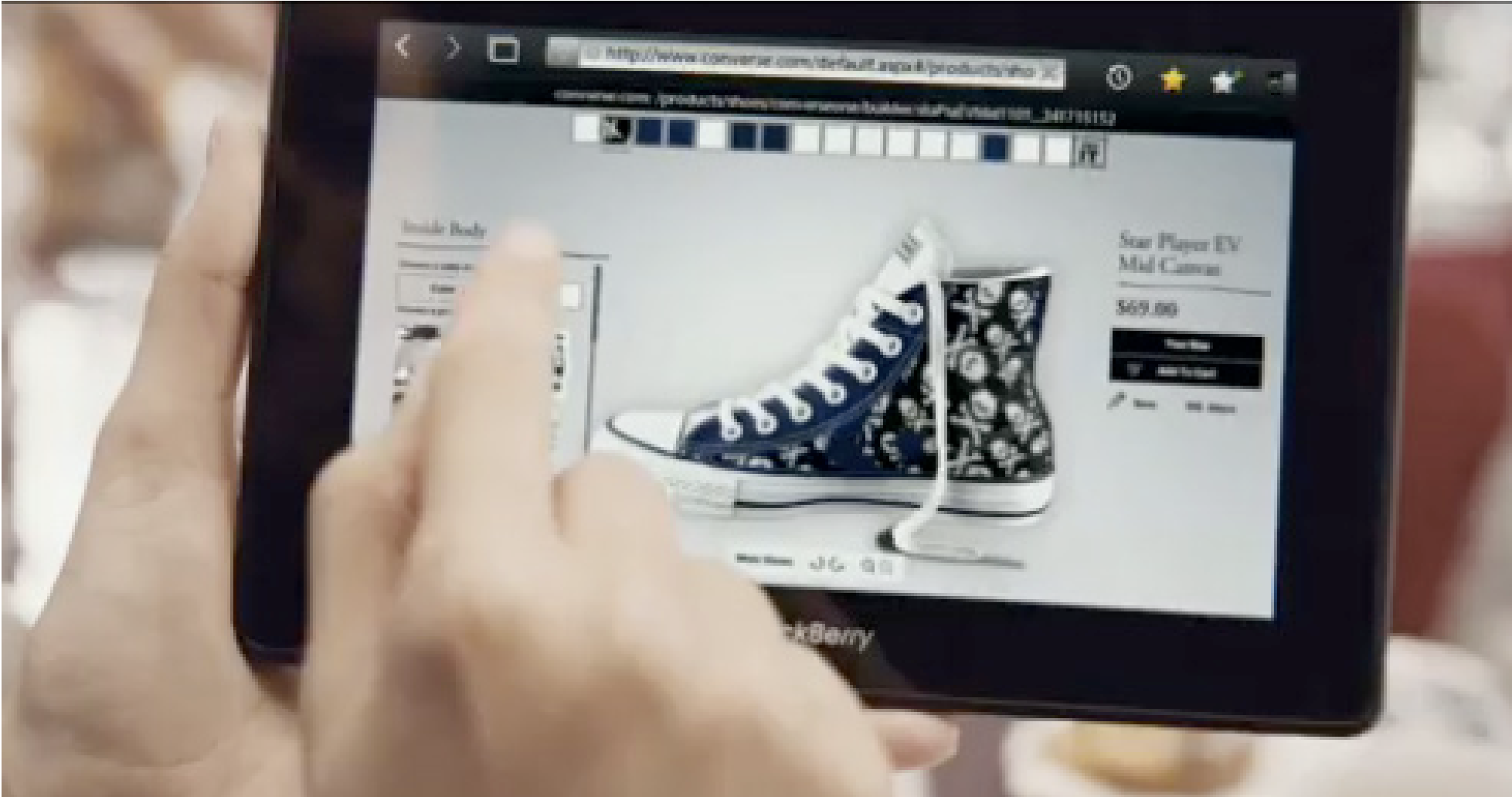


2050

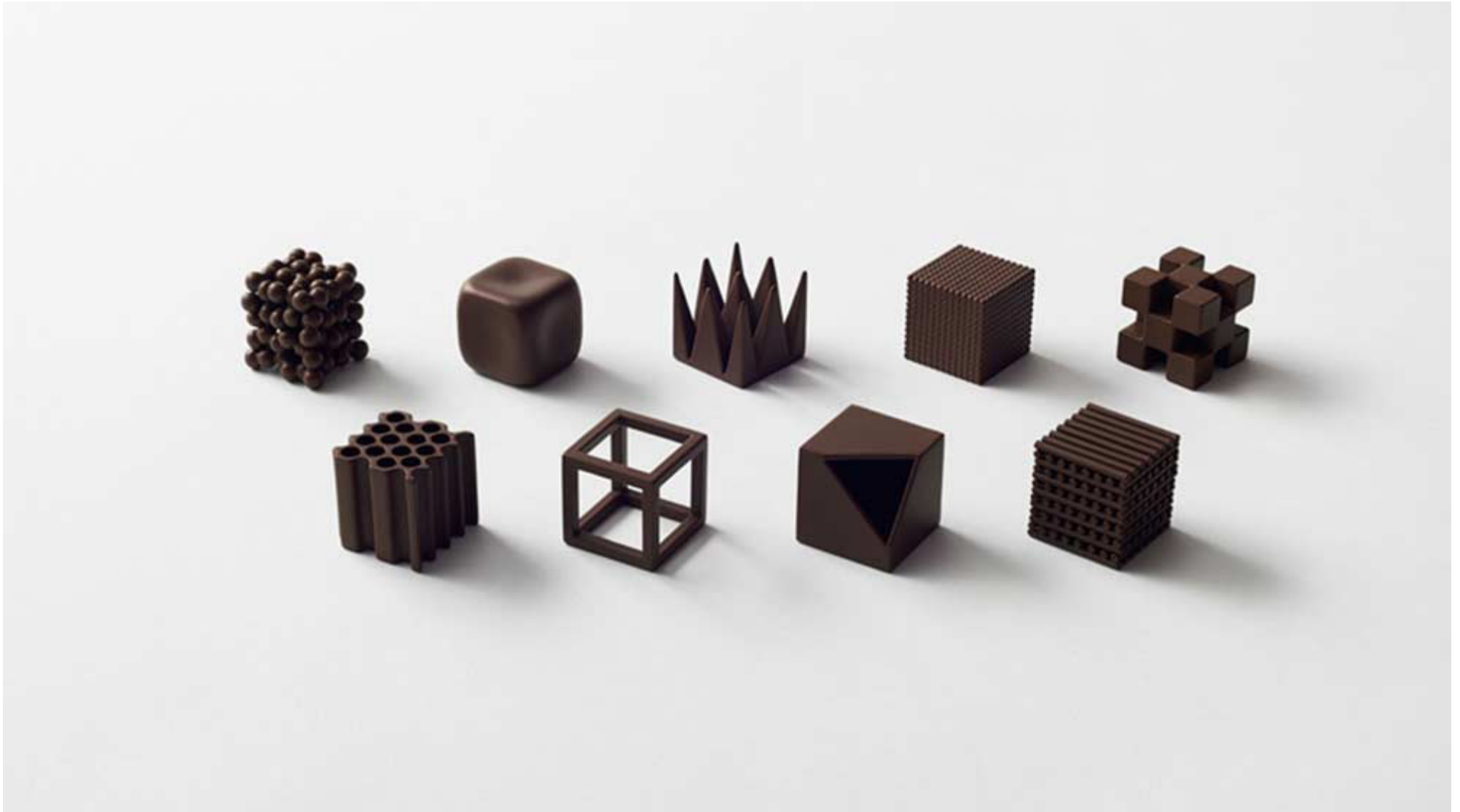
**AMSTEL 2050:
A POPULATED AREA FOR LIVING
AND PRODUCTION**

**WHAT IS THE FUTURE OF
LIVING AND PRODUCTION ?**

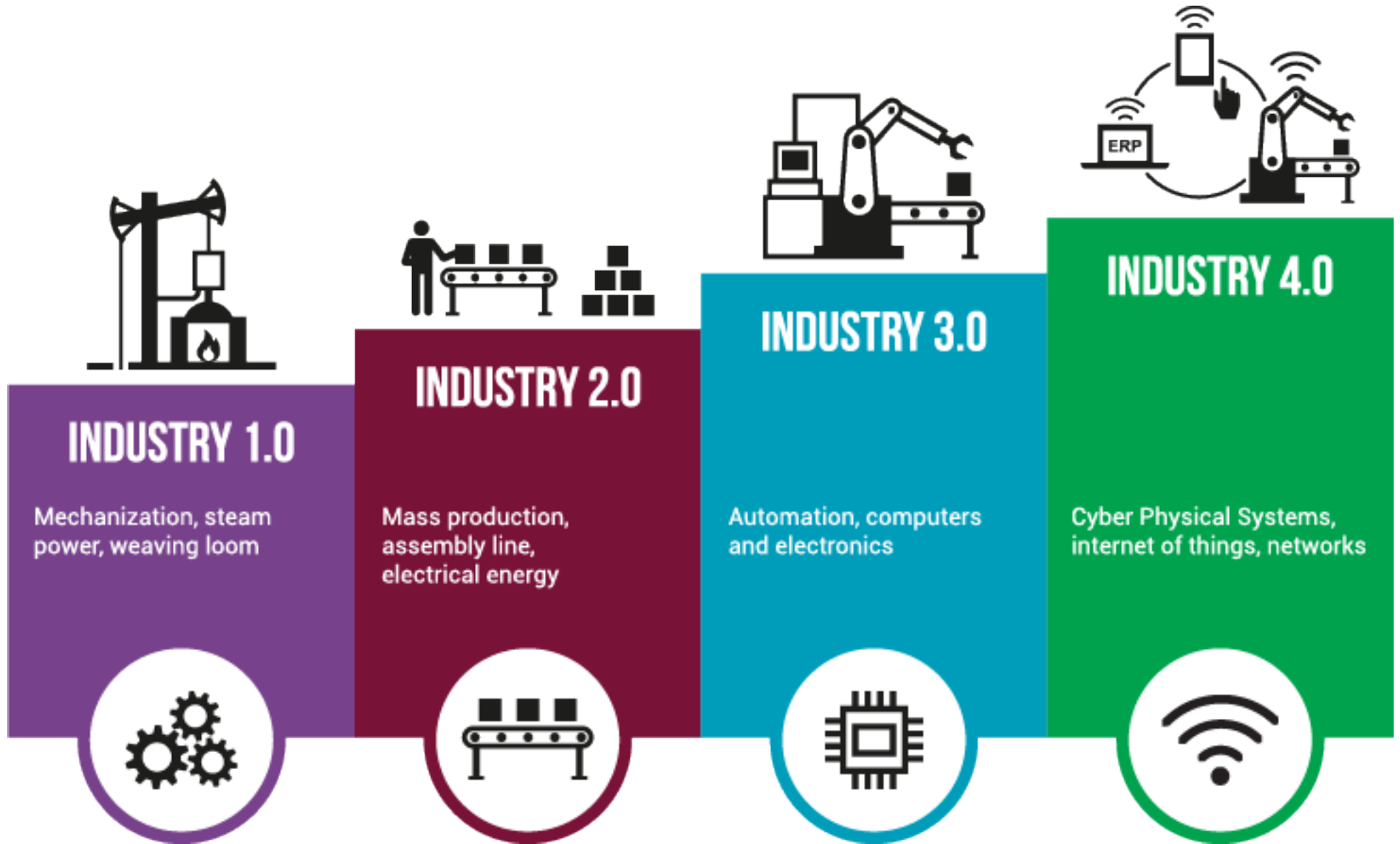
CUSTOMIZATION



3D PRINT



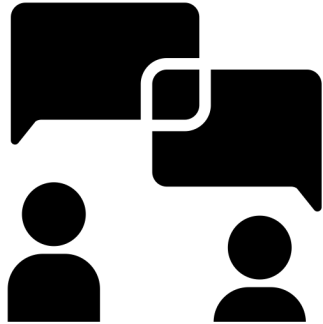
INDUSTRY 4.0



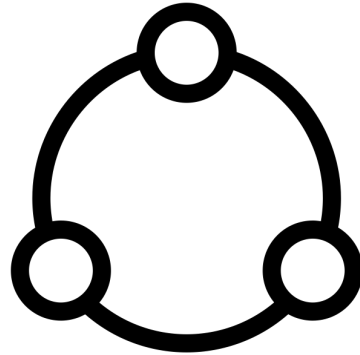
DESIGN ASSIGNMENT:

**A DIRECTIONAL CENTER FOR INDUSTRY
4.0 IN AMSTEL AREA**

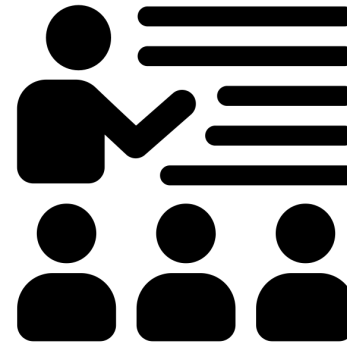
NEW REQUIREMENTS IN INDUSTRY 4.0



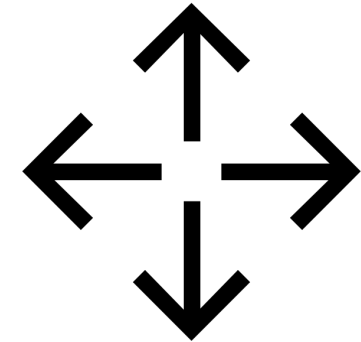
INTERACTION



COLLABORATION

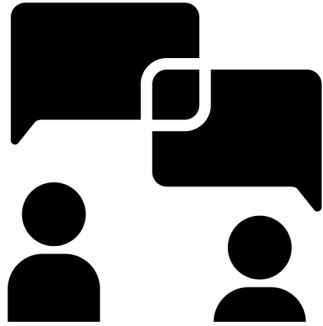


MEETING

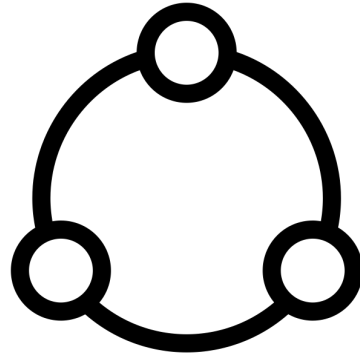


OPEN

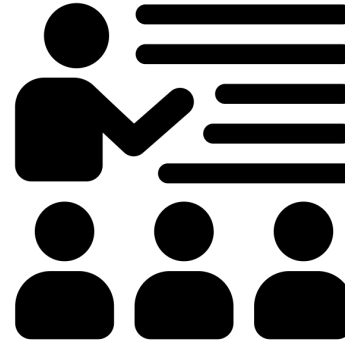
NEW REQUIREMENTS IN INDUSTRY 4.0



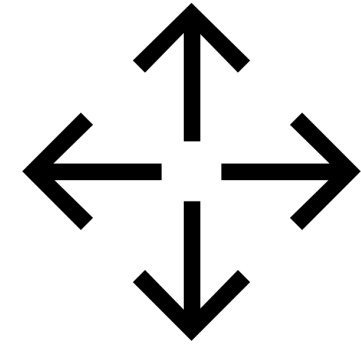
INTERACTION



COLLABORATION



MEETING








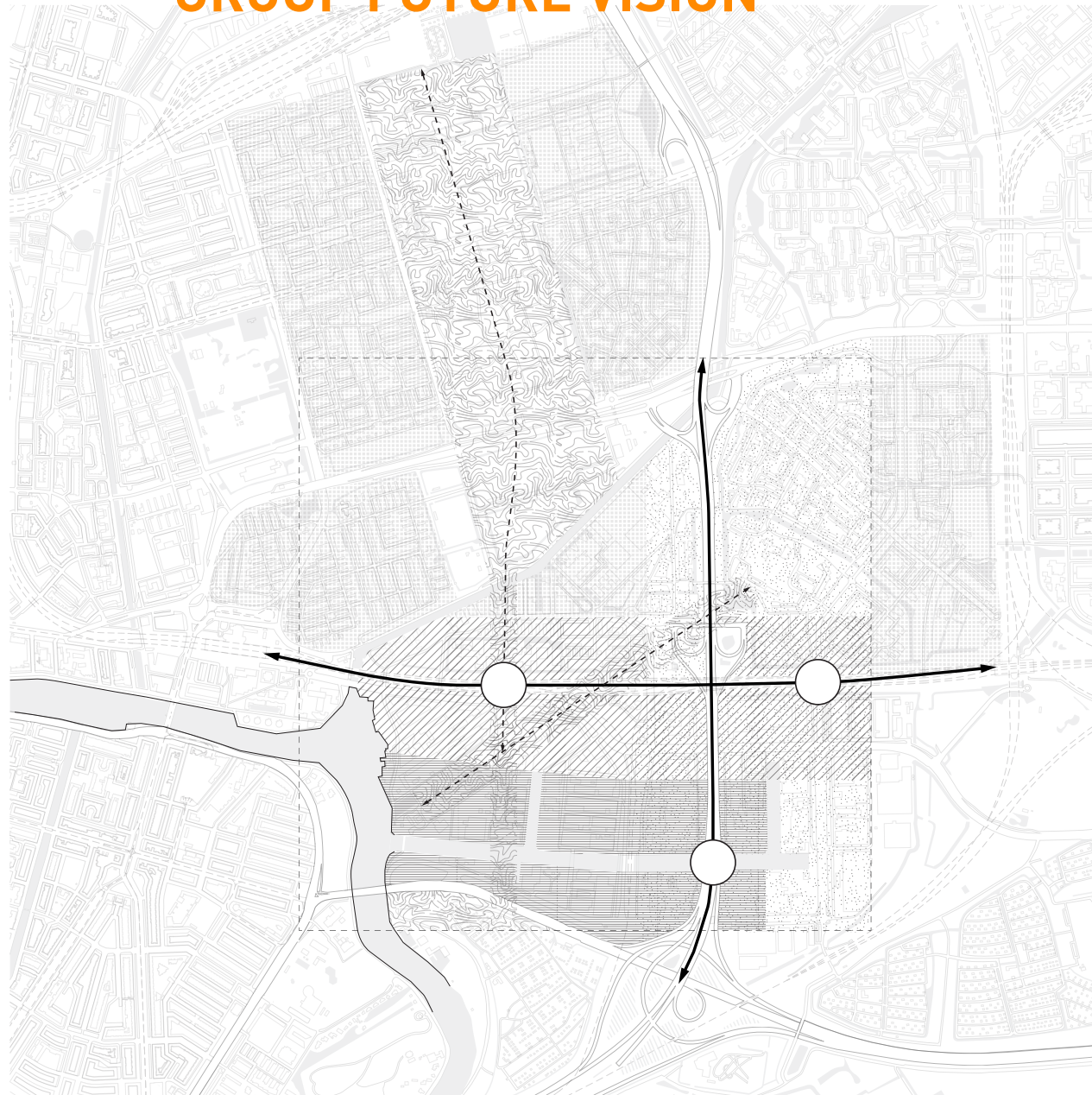
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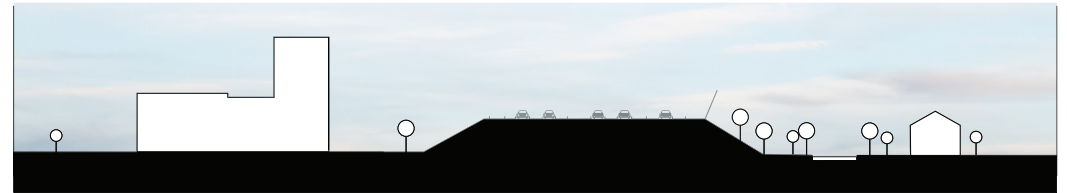
THE LOCATION

GROUP FUTURE VISION

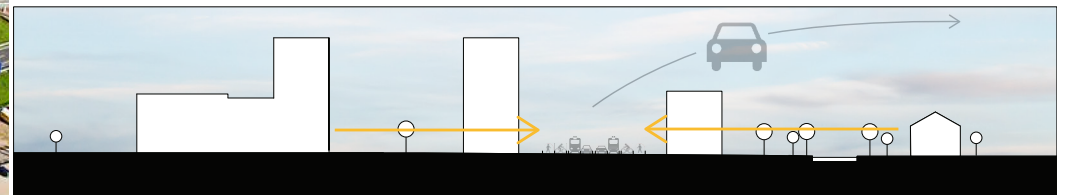
-  Sport & Gardening
-  Housing, Commerce & Culture
-  Housing & Production
-  Housing & Business
-  Housing & Amenities
-  Major connections
-  New connections



A10 DOWNGRADE TO A CITY BOULEVARD

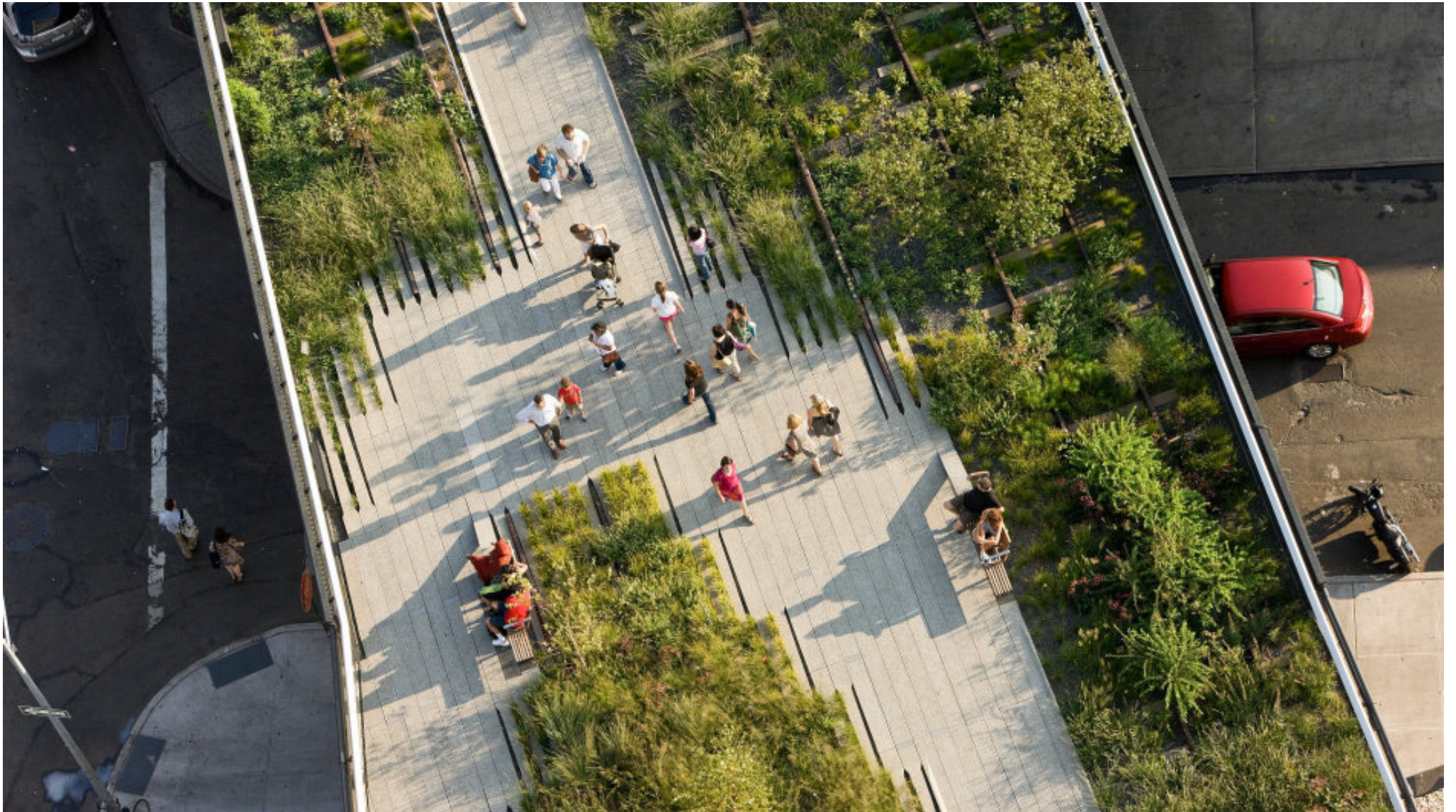


2018



2050

HIGH LINE, NEW YORK



HIGH LINE, NEW YORK

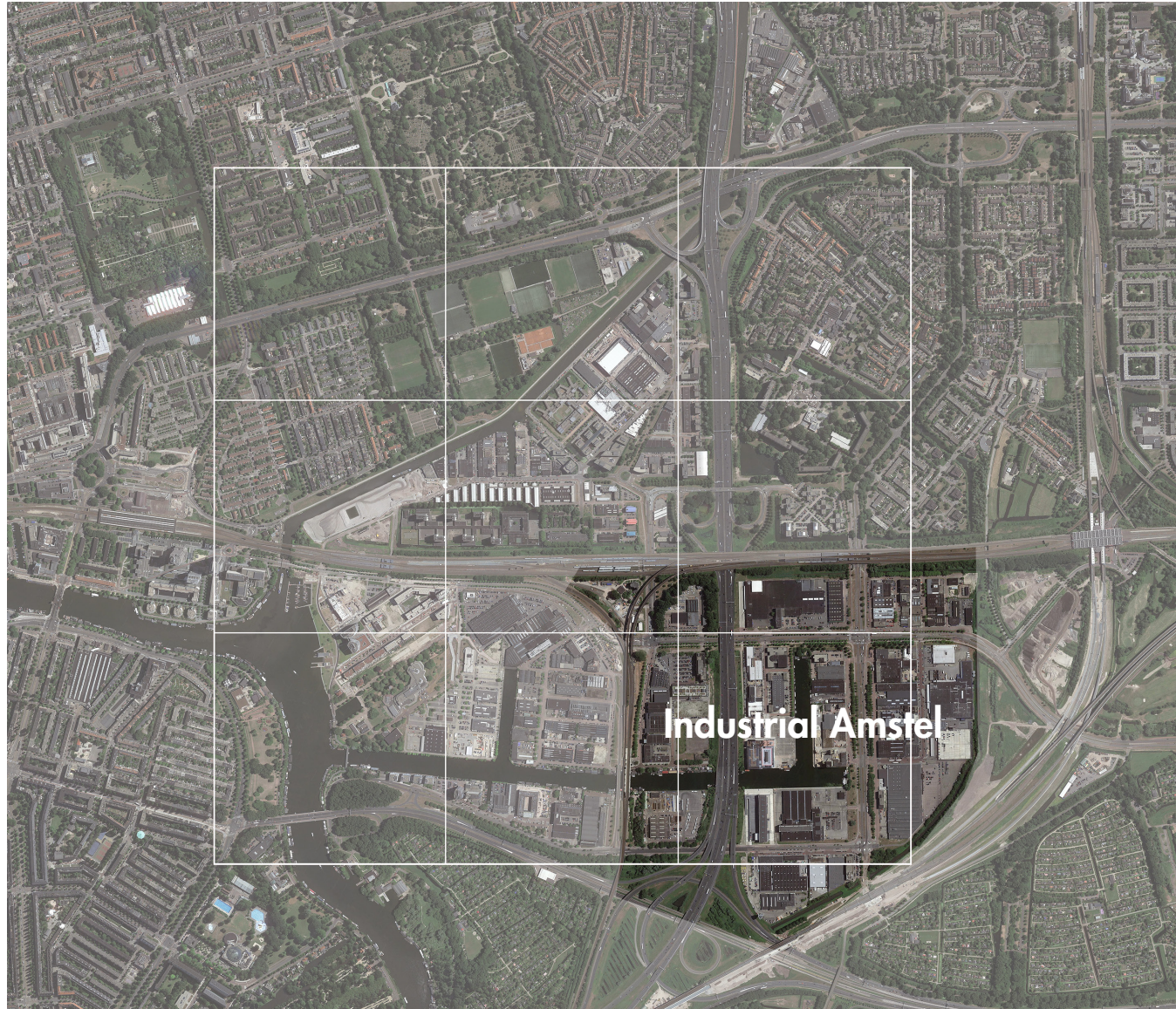


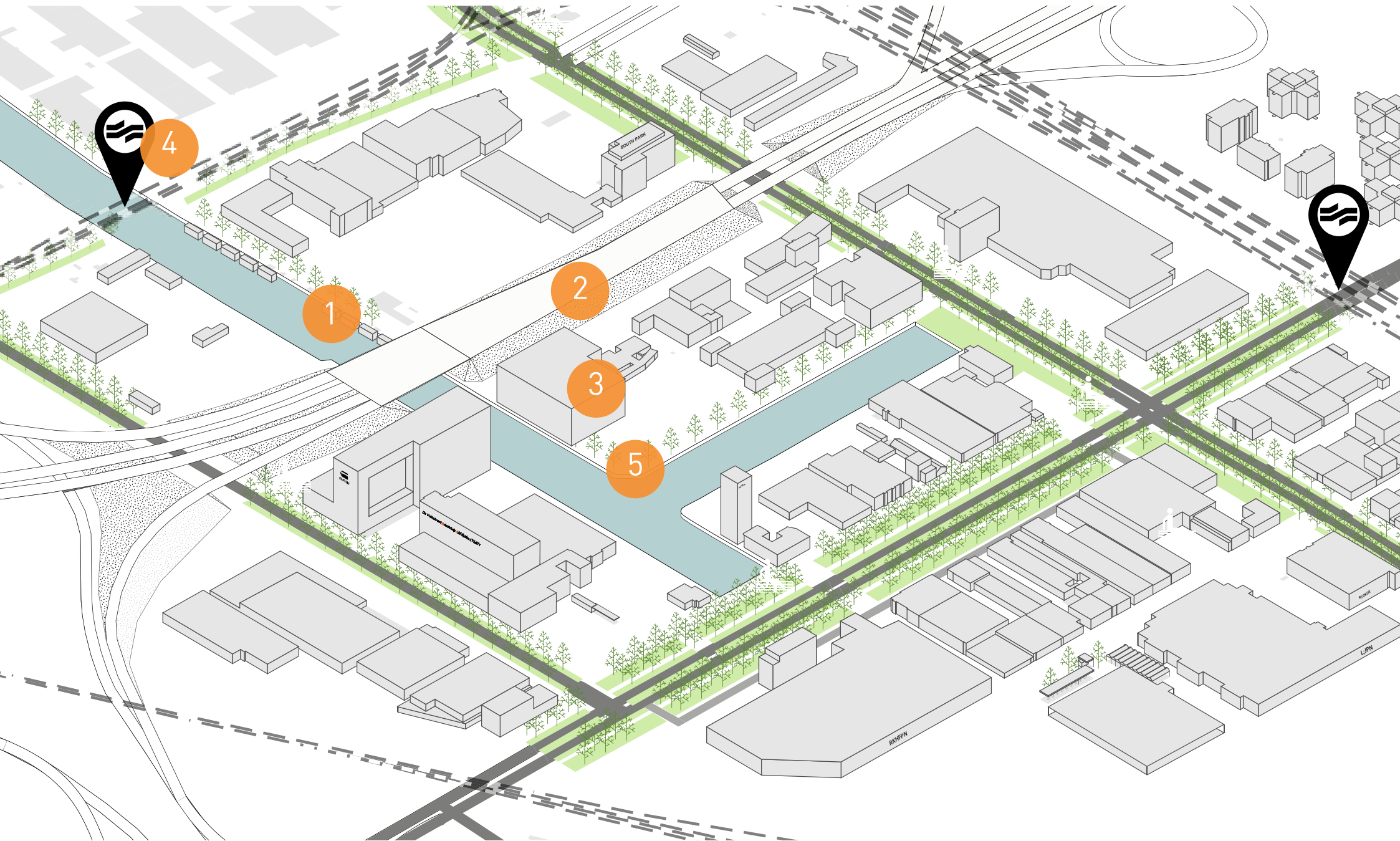
DOWNGRADE A10:

- NEW GAINED SPACE**

- IMPORTANT INFRASTRUCTURE
FOR THE LOCALS**

LOCATION: CHOSEN TILE





LOCATION POTENTIALS 1

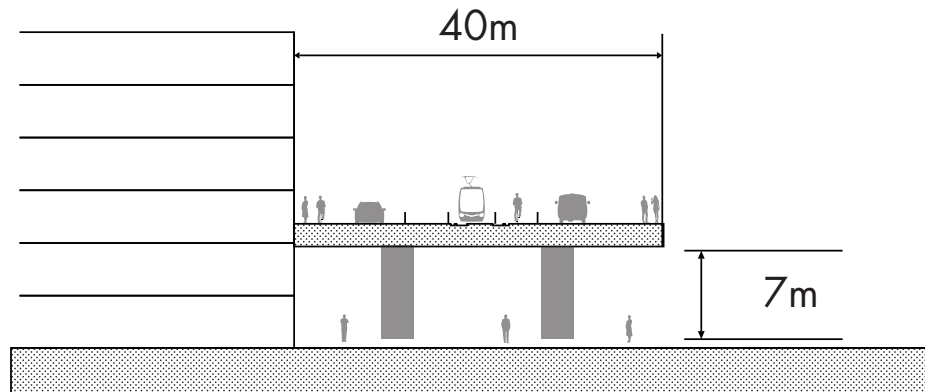
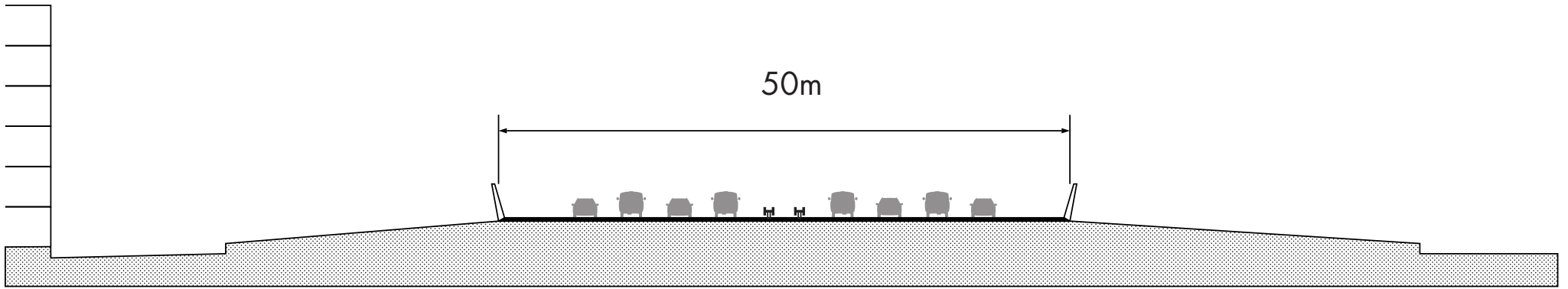


Current Condition



Canal de l'ourcq, Paris

LOCATION POTENTIALS 2



LOCATION POTENTIALS 2



Current Condition



A8ERNA, Zaanstad

LOCATION POTENTIALS 3

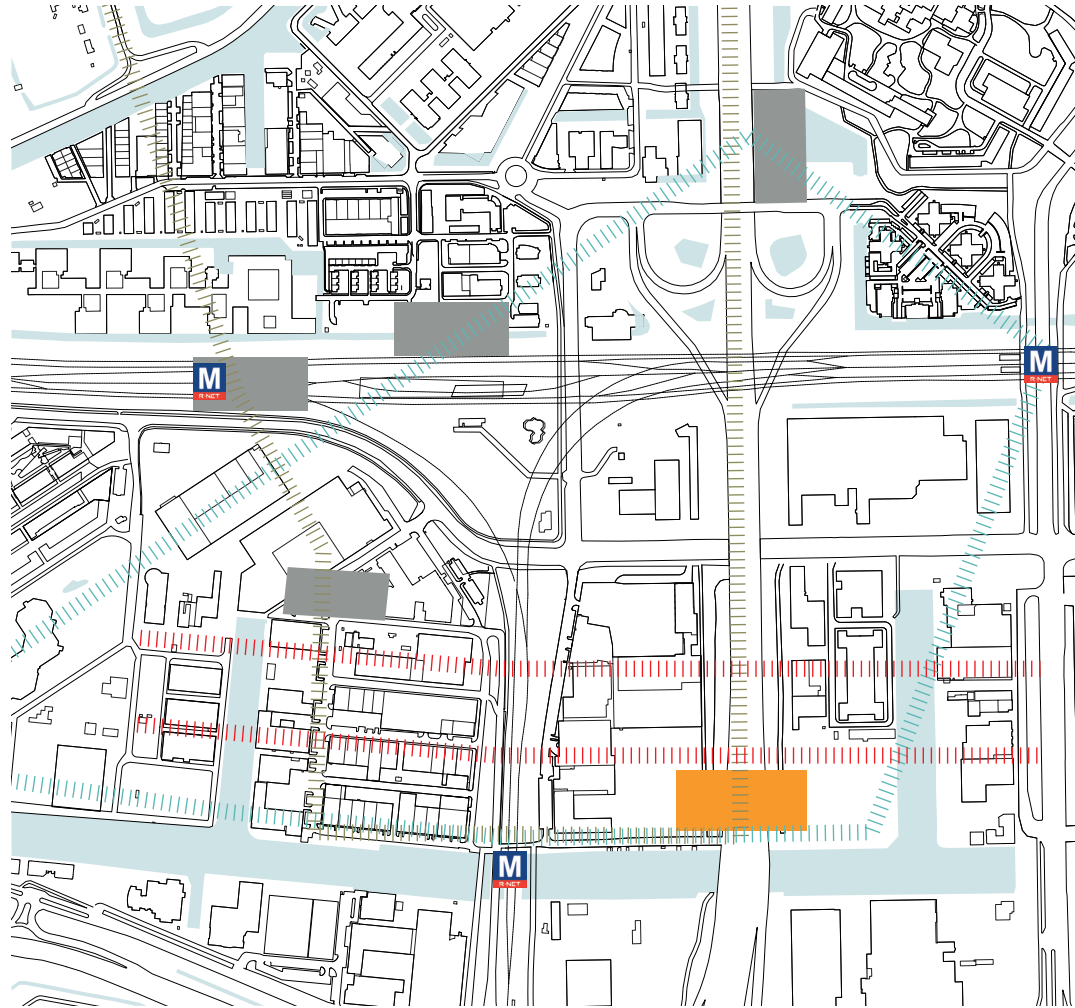


Current Condition



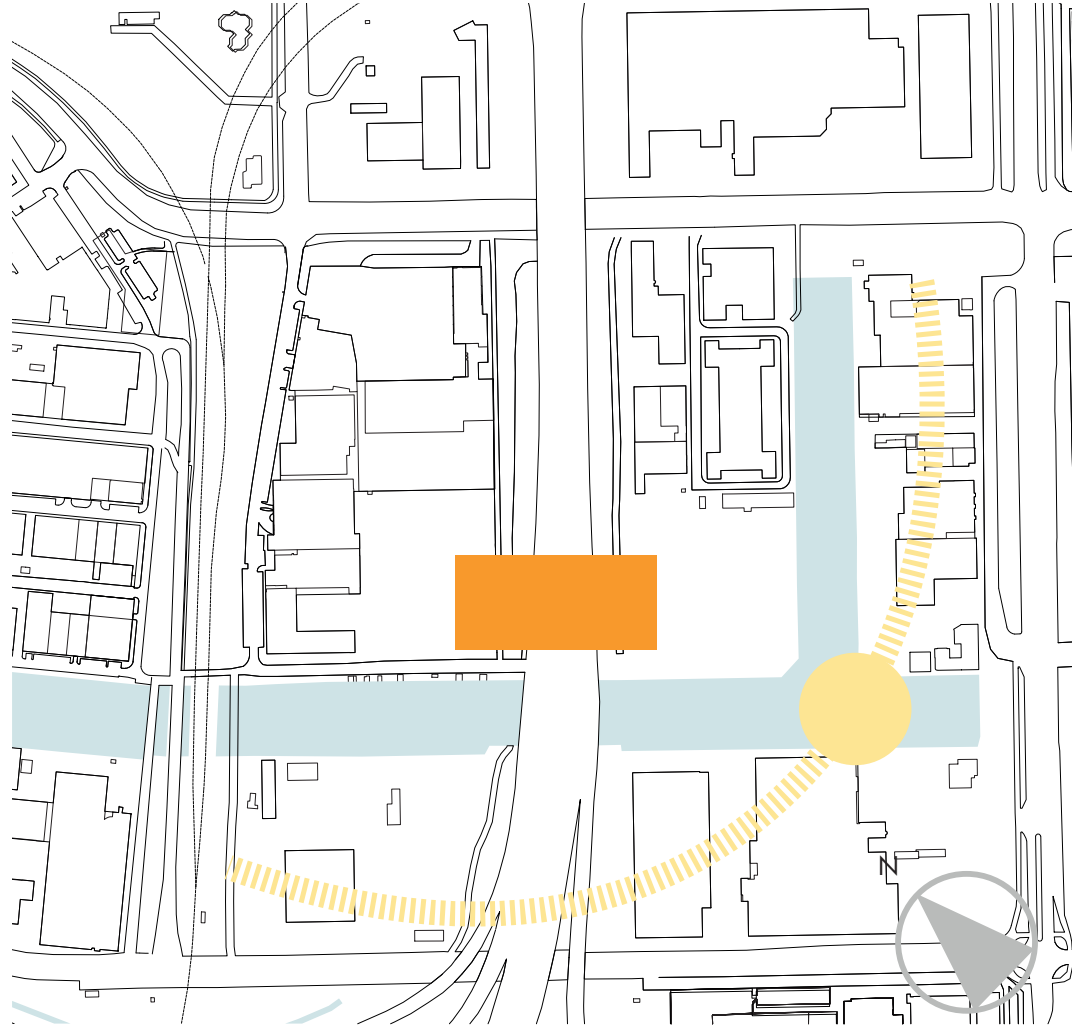
Westergasfabriek

LOCATION POTENTIALS 4



- ||||| In Between
- ||||| Water
- ||||| Green
- Other Program

LOCATION POTENTIALS 5



DESIGN CHOICES FROM THE LOCATION



PARK



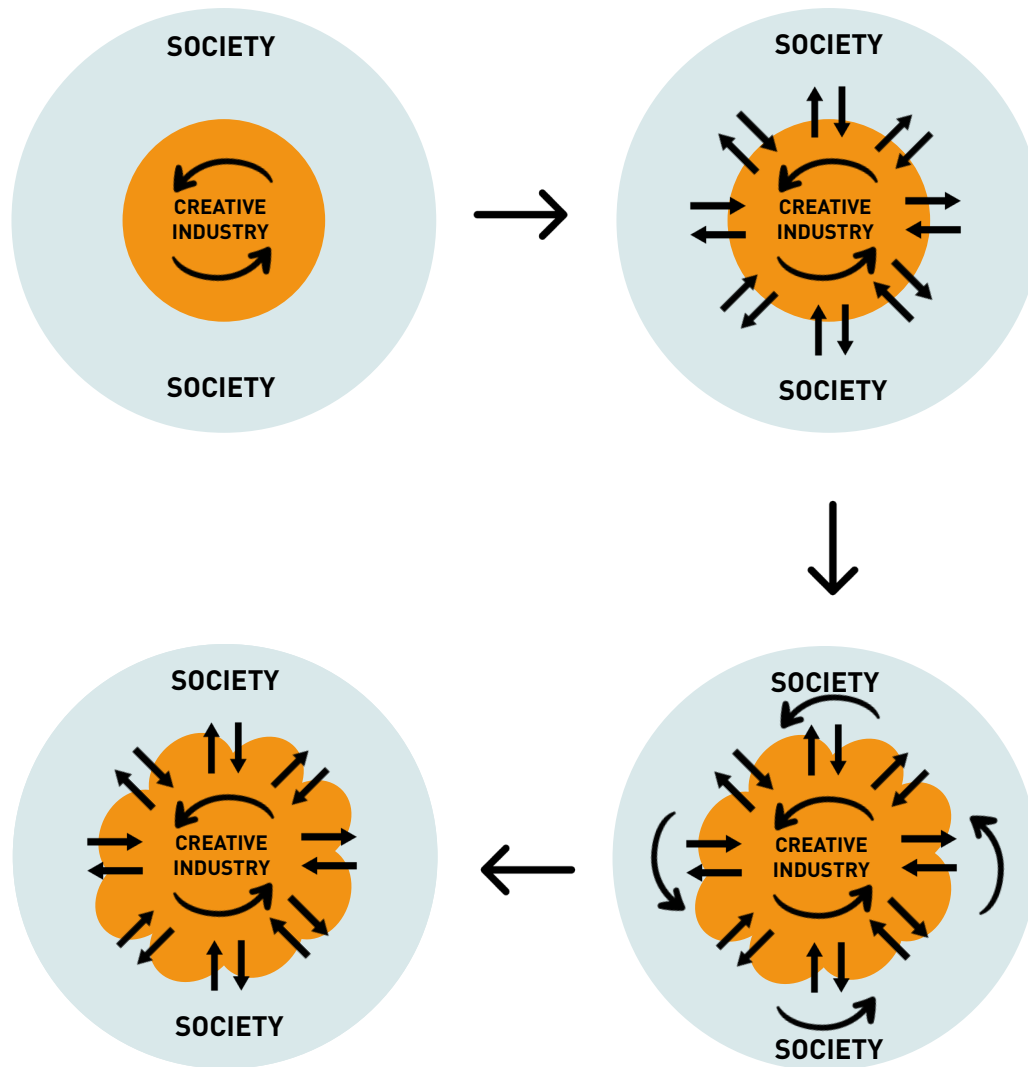
WATER TAXI PORT



TERRACES

DESIGN GOAL:

**A PODIUM FOR CREATIVE INDUSTRY
WHICH COULD SHOWCASE THE
INDUTRY 4.0 AND CONNECT THE
CREATIVE INDUSTRY TO CREATIVE
SOCIETY.**

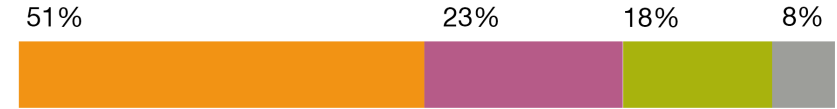


AREA CONCLUSION

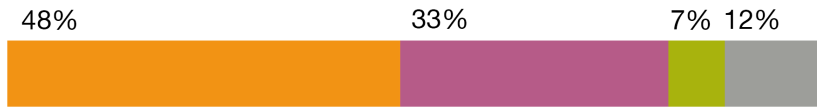
Perth Convention and Exhibition Centre



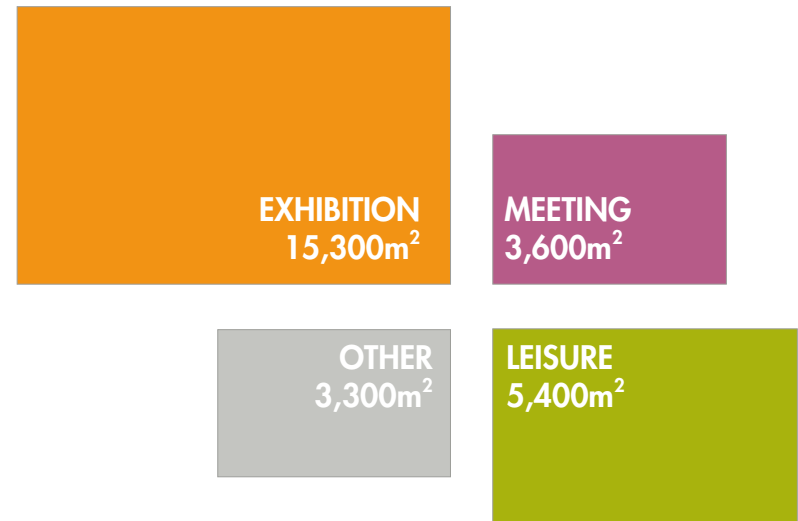
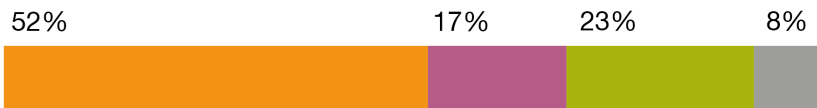
Average Percentage of Area



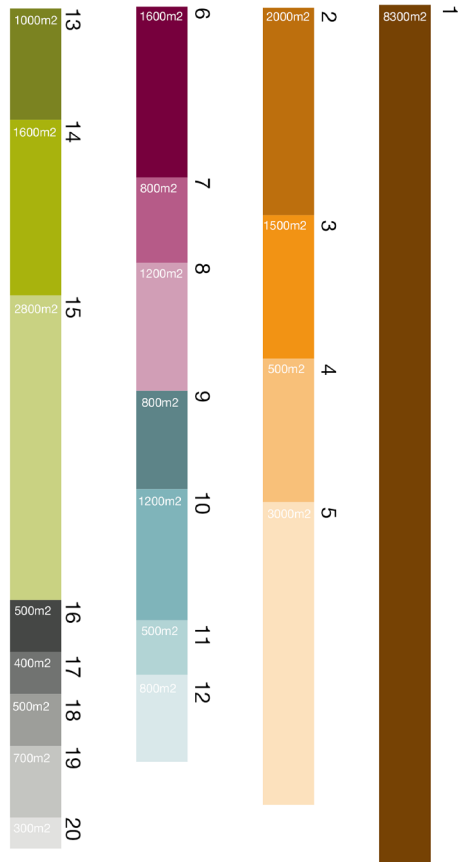
Los Cabos International Convention Centre



Community Art Hub



PROGRAMME



Exhibition - 15,300m²

- 1 Exhibition Hall - 8,300m²
- 2 Gallery - 2,000m²
- 3 Theatre - 1,500m²
- 4 Open Stage - 500m²
- 5 Exhibition Rooms - 3,000m²
- Outdoor Exhibition

Convention - 3,600m²

- 6 Convention Hall - 1,600m²
- 7 Seminar Room - 800m²
- 8 Meeting Room - 1,200m²

Education - 3,300m²

- 9 Classroom - 800m²
- 10 Labs - 1,200m²
- 11 Study Room - 500m²
- 12 Library - 800m²

Leisure - 5,400m²

- 13 Cafe & Restaurant - 1000m²
- 14 Shop - 1,600m²
- 15 Foyer - 2,800m²
- Outdoor Park

Service - 2,400m²

- 16 Lobby - 500m²
- 17 Offices - 400m²
- 18 Logistics - 500m²
- 19 Storage - 700m²
- 20 Toilet - 300m²



Exhibition



Shop



Park



Hostel



Conference



Office



Conference

Collaboration



Office



Exhibition

Inspiration



Shop



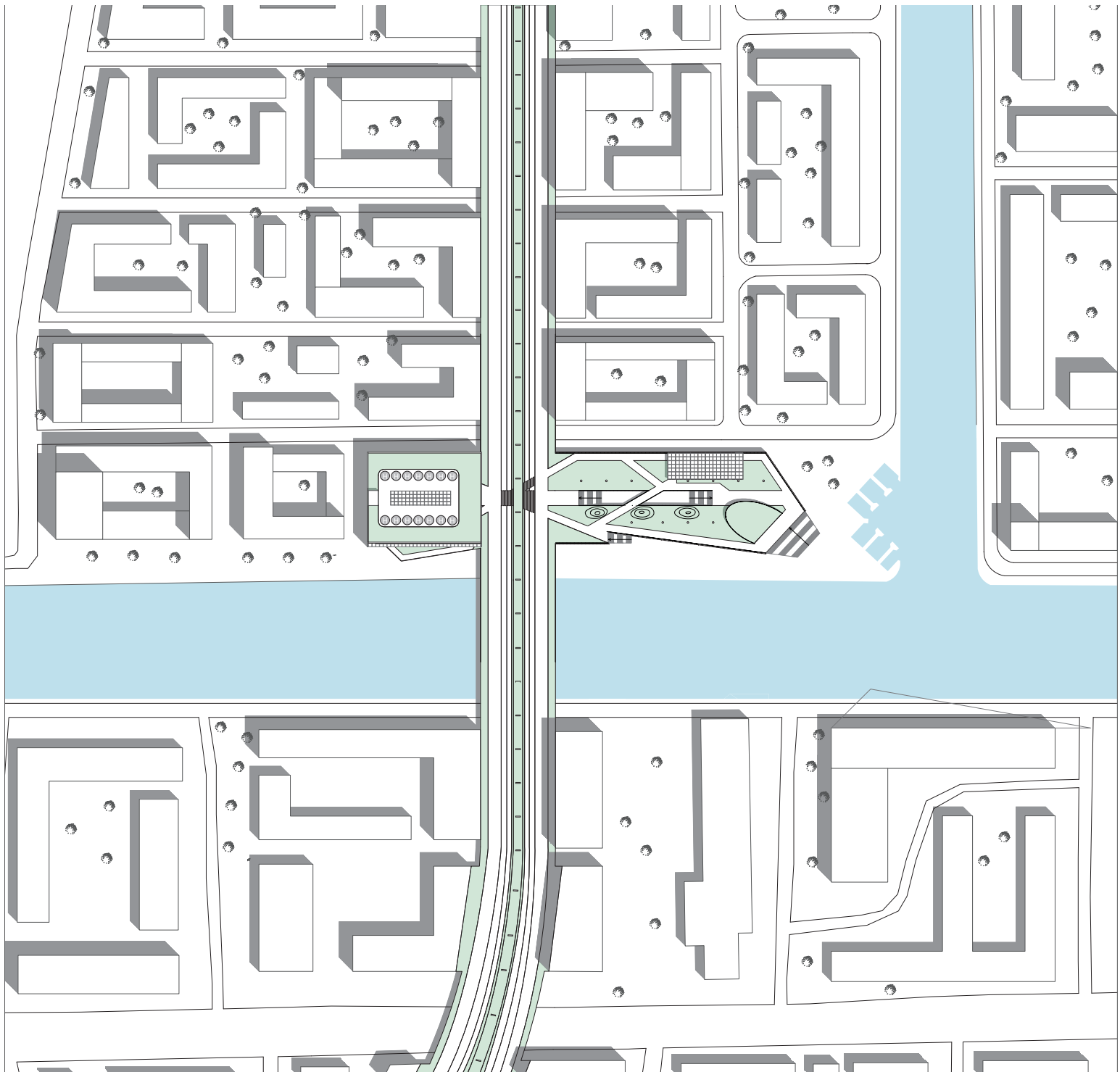
Park



Hostel

Leisure

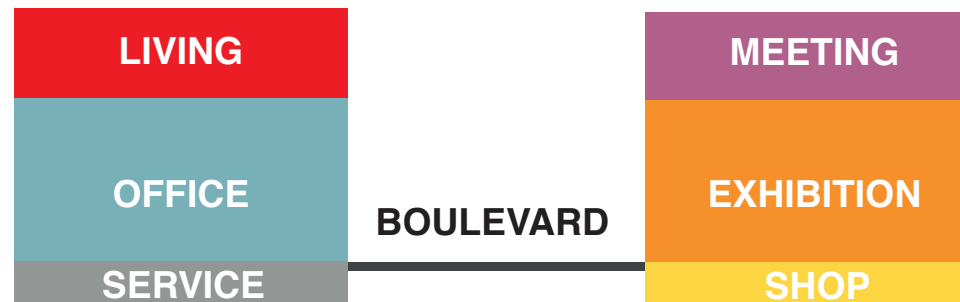




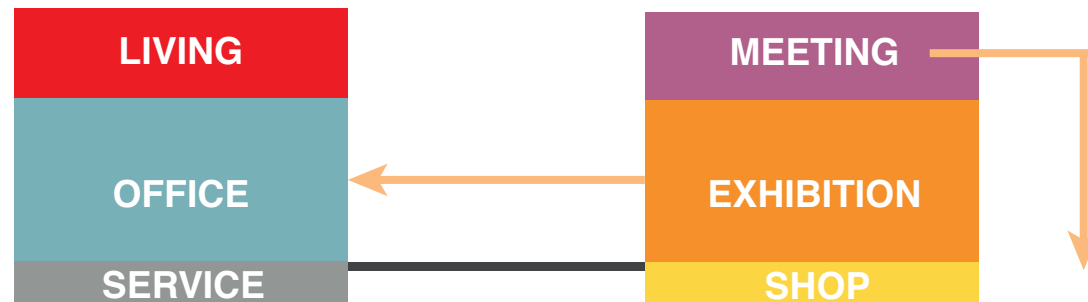
FORM GENERATION

BOULEVARD

FORM GENERATION



FORM GENERATION



FORM GENERATION



FORM GENERATION



FORM GENERATION

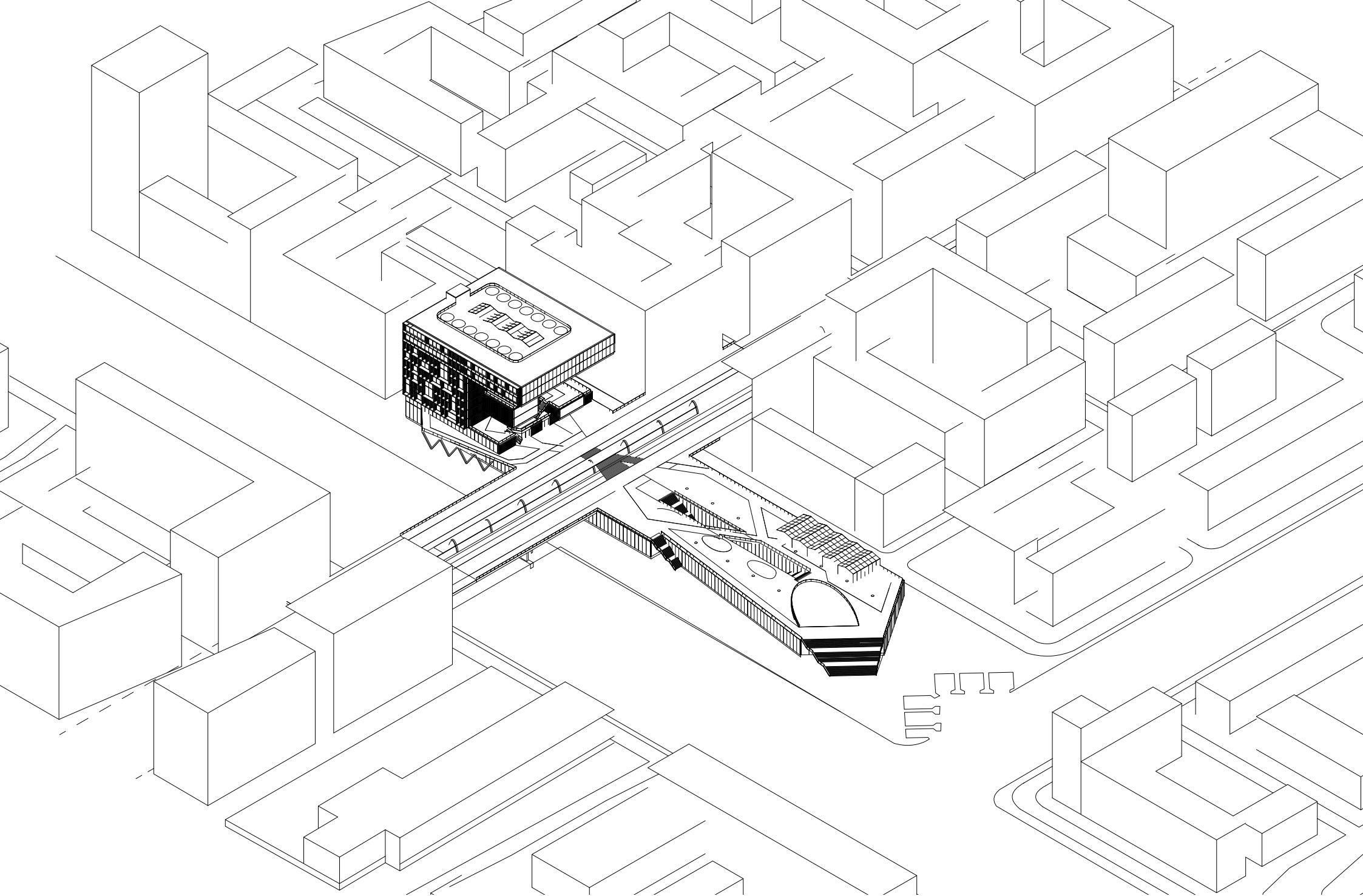


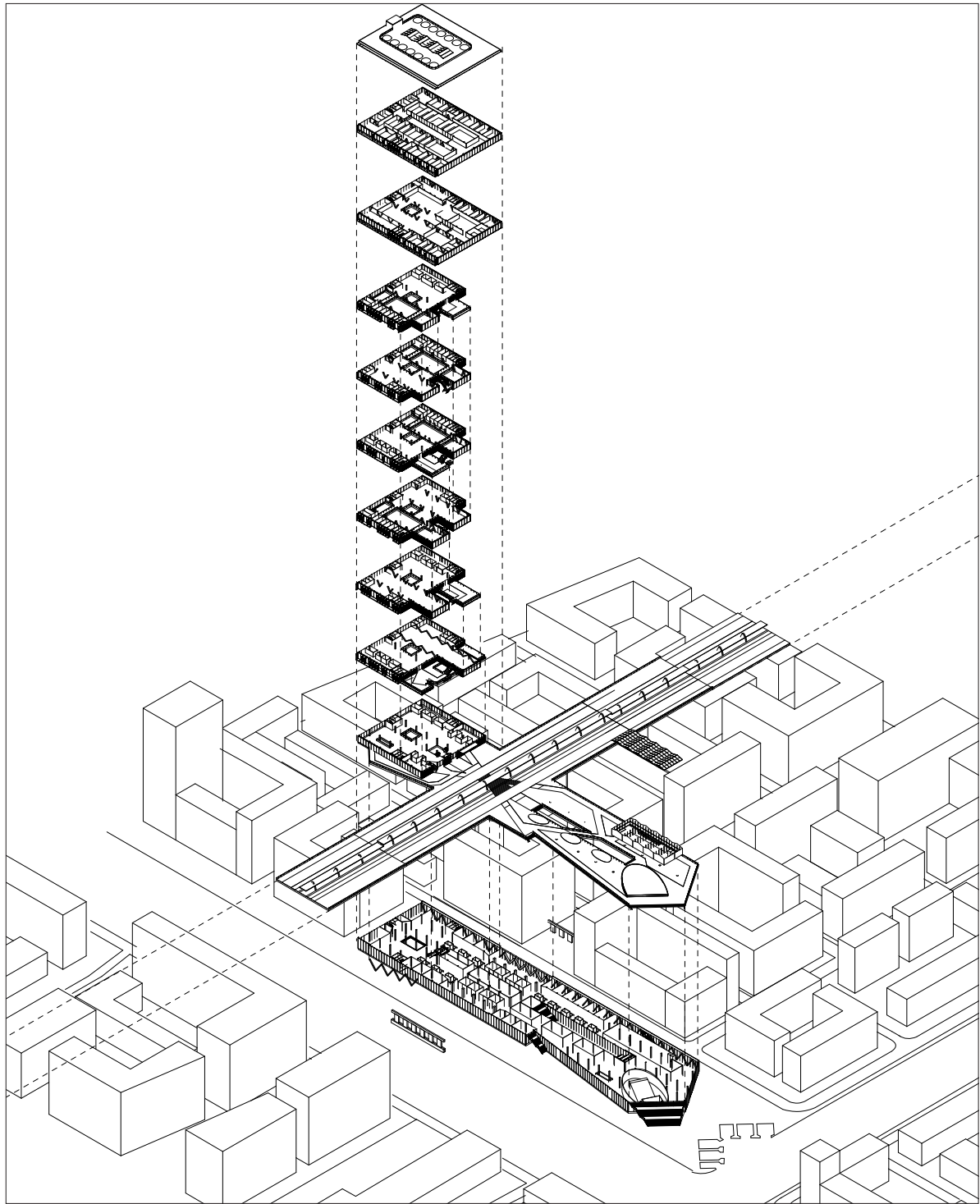
FORM GENERATION

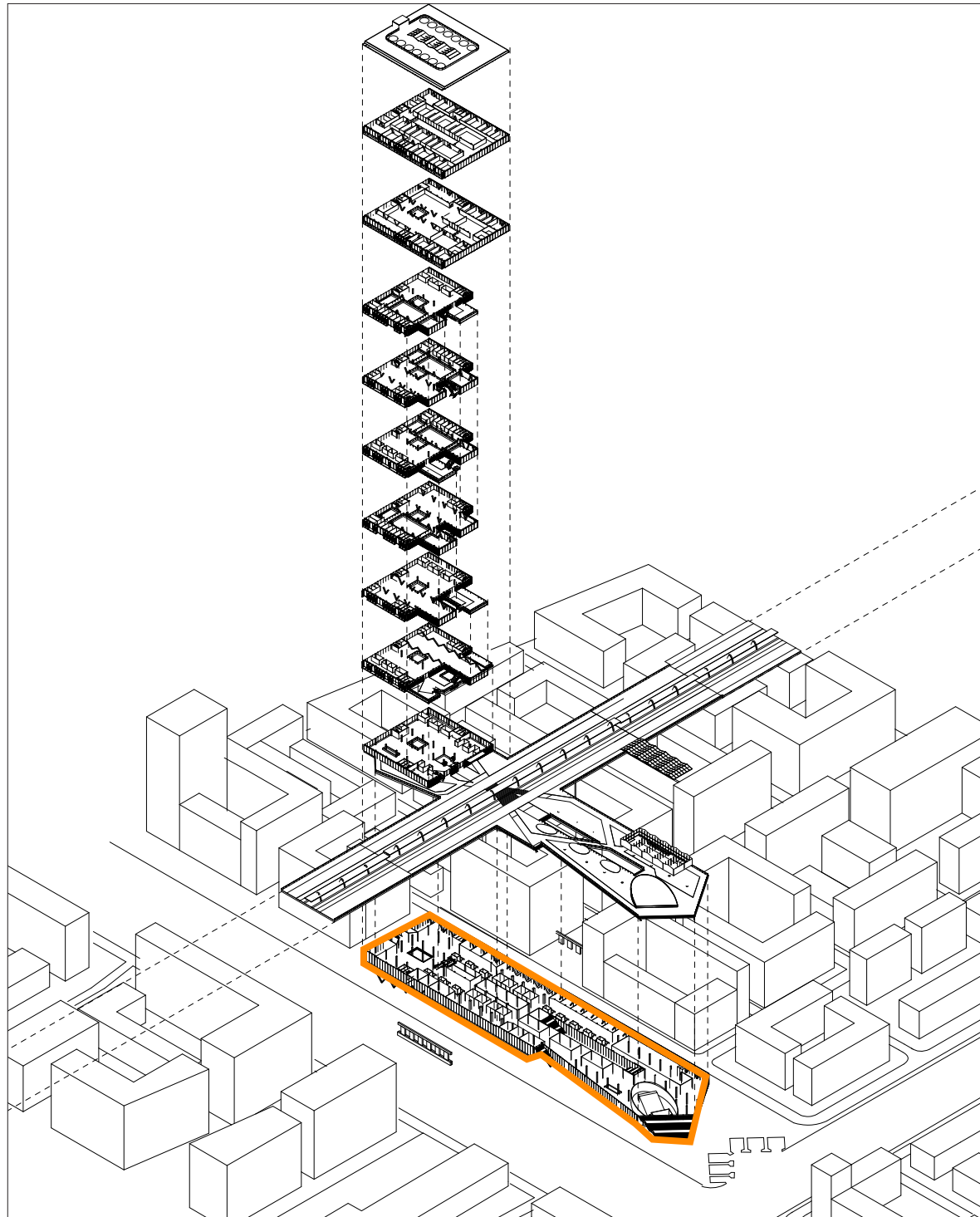


FORM GENERATION

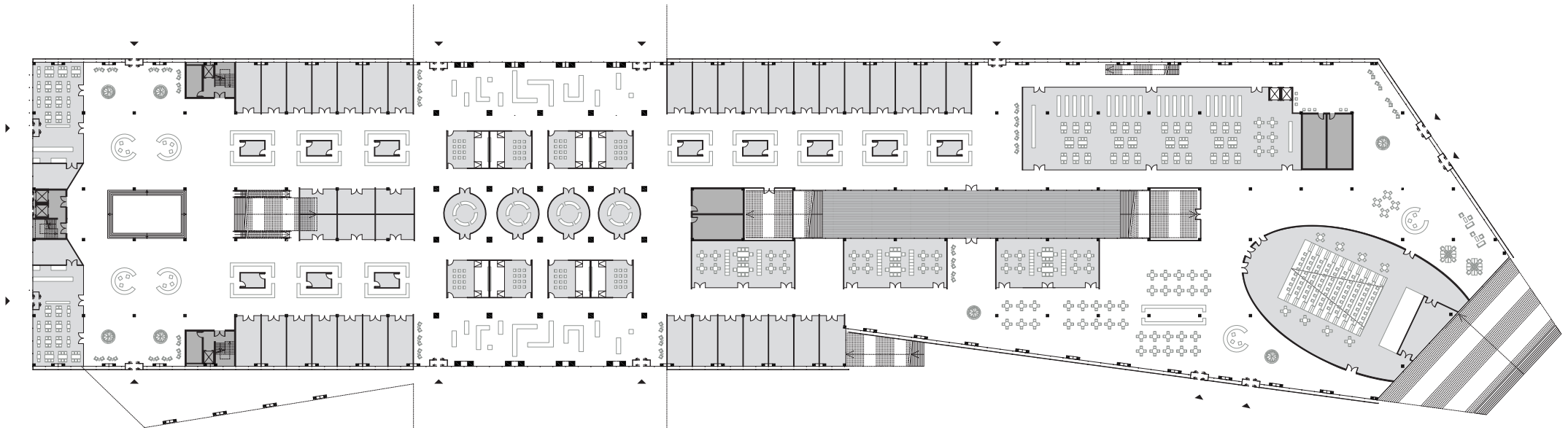




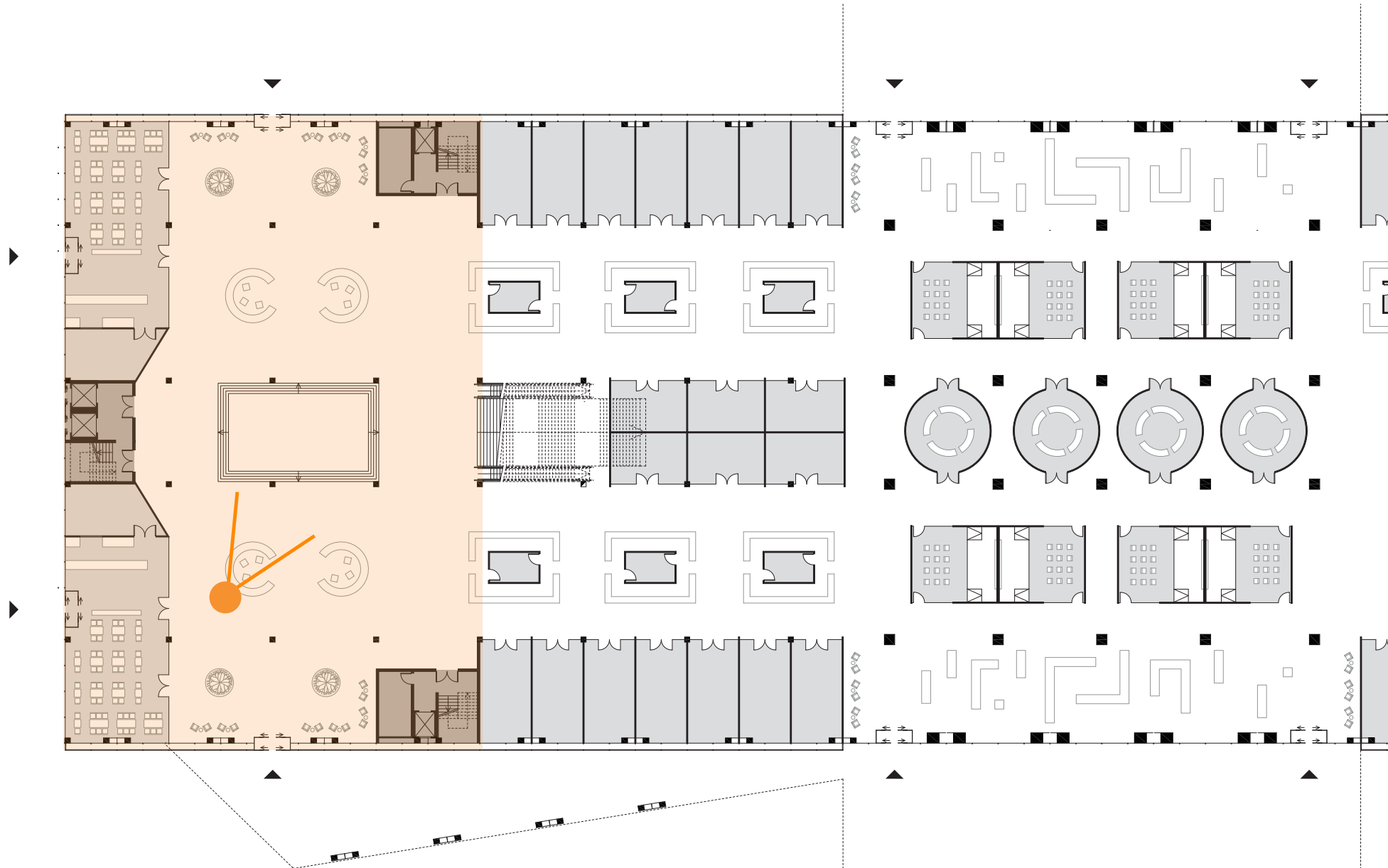




GROUND FLOOR PLAN

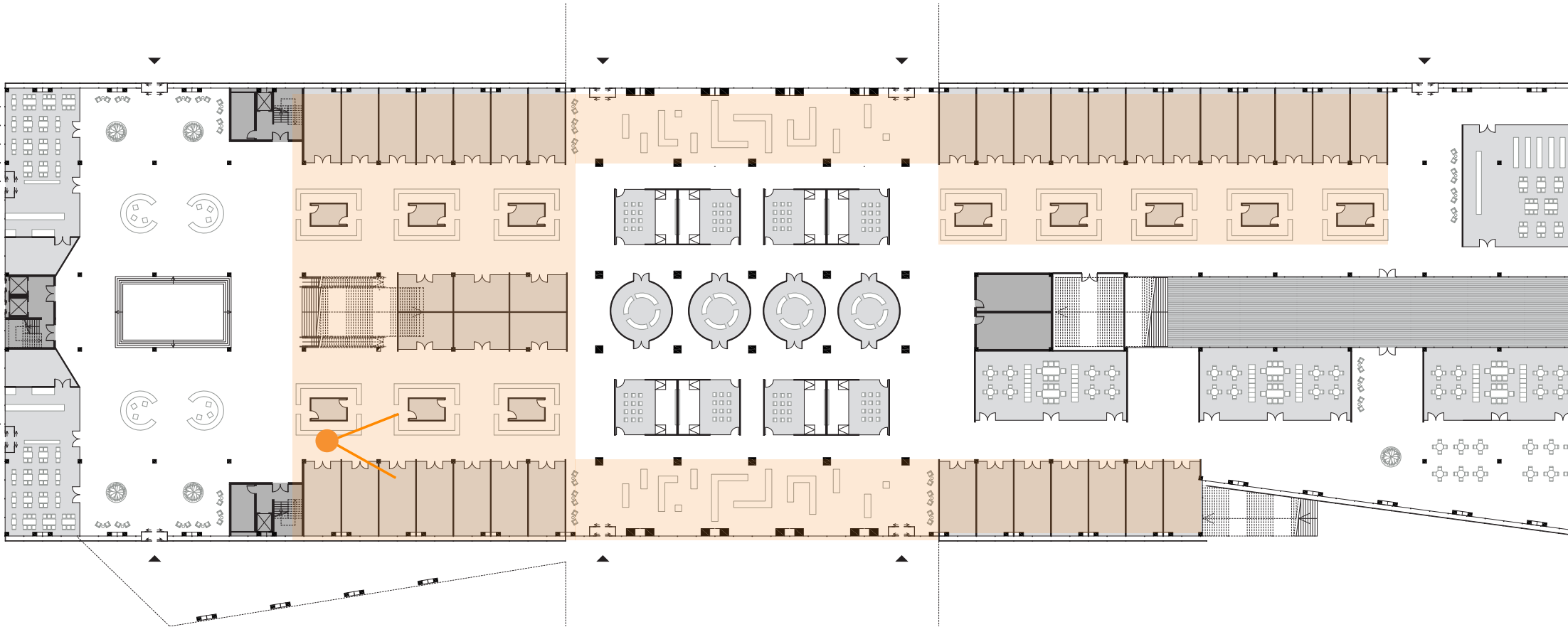


GROUND FLOOR PLAN



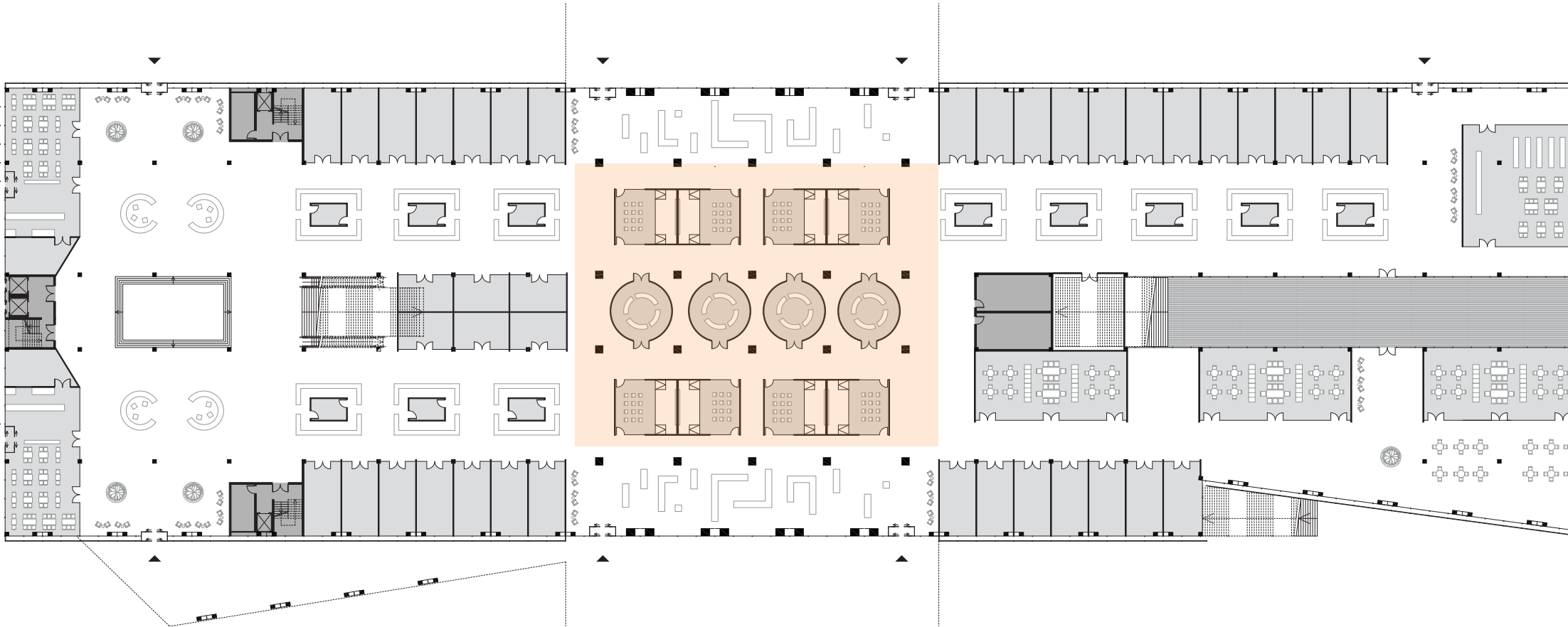


GROUND FLOOR PLAN

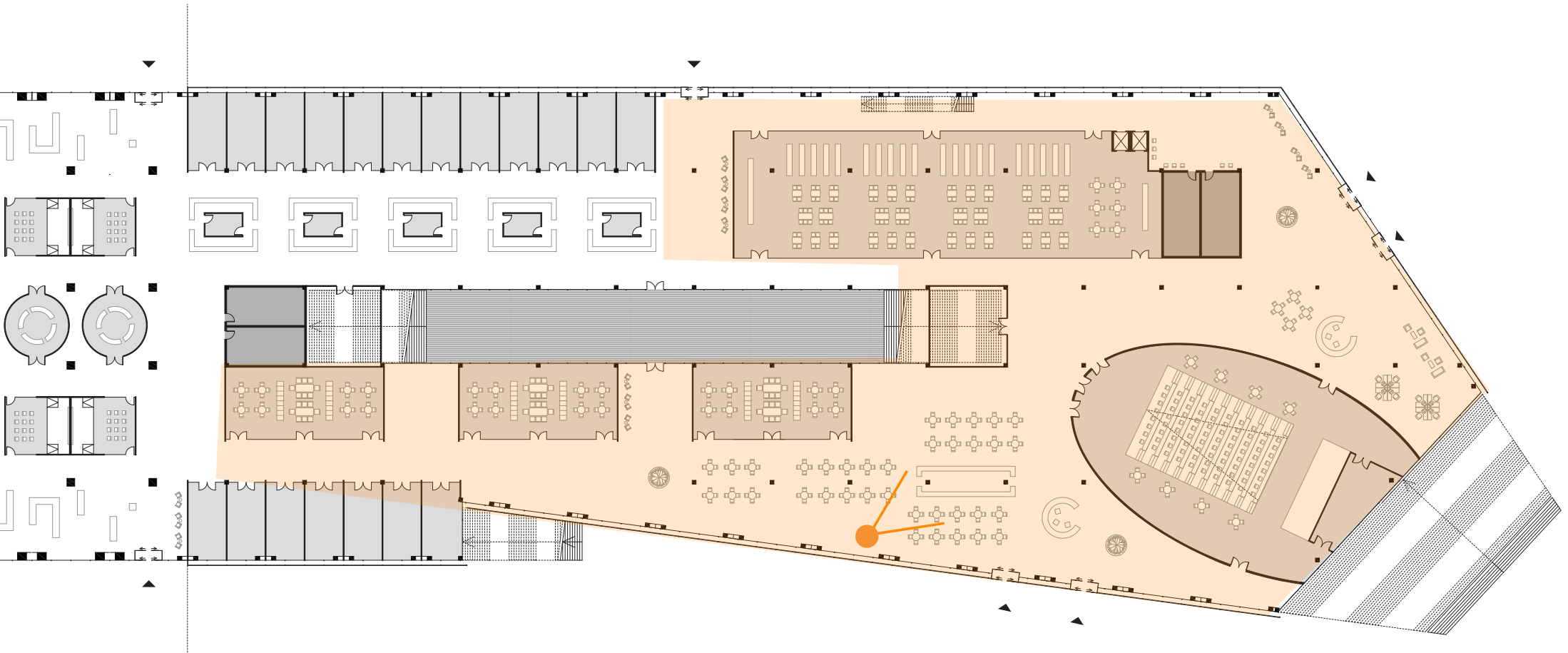




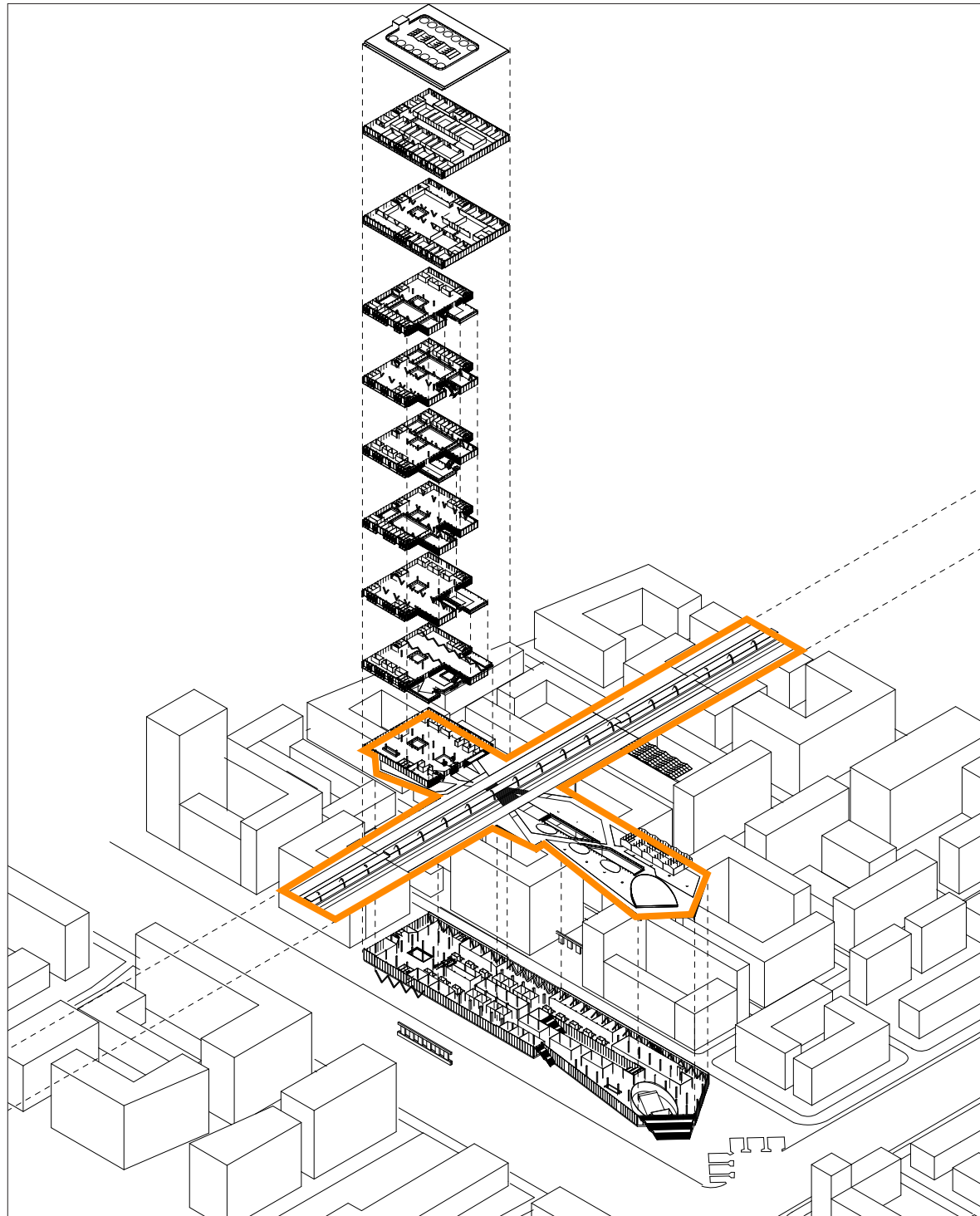
GROUND FLOOR PLAN

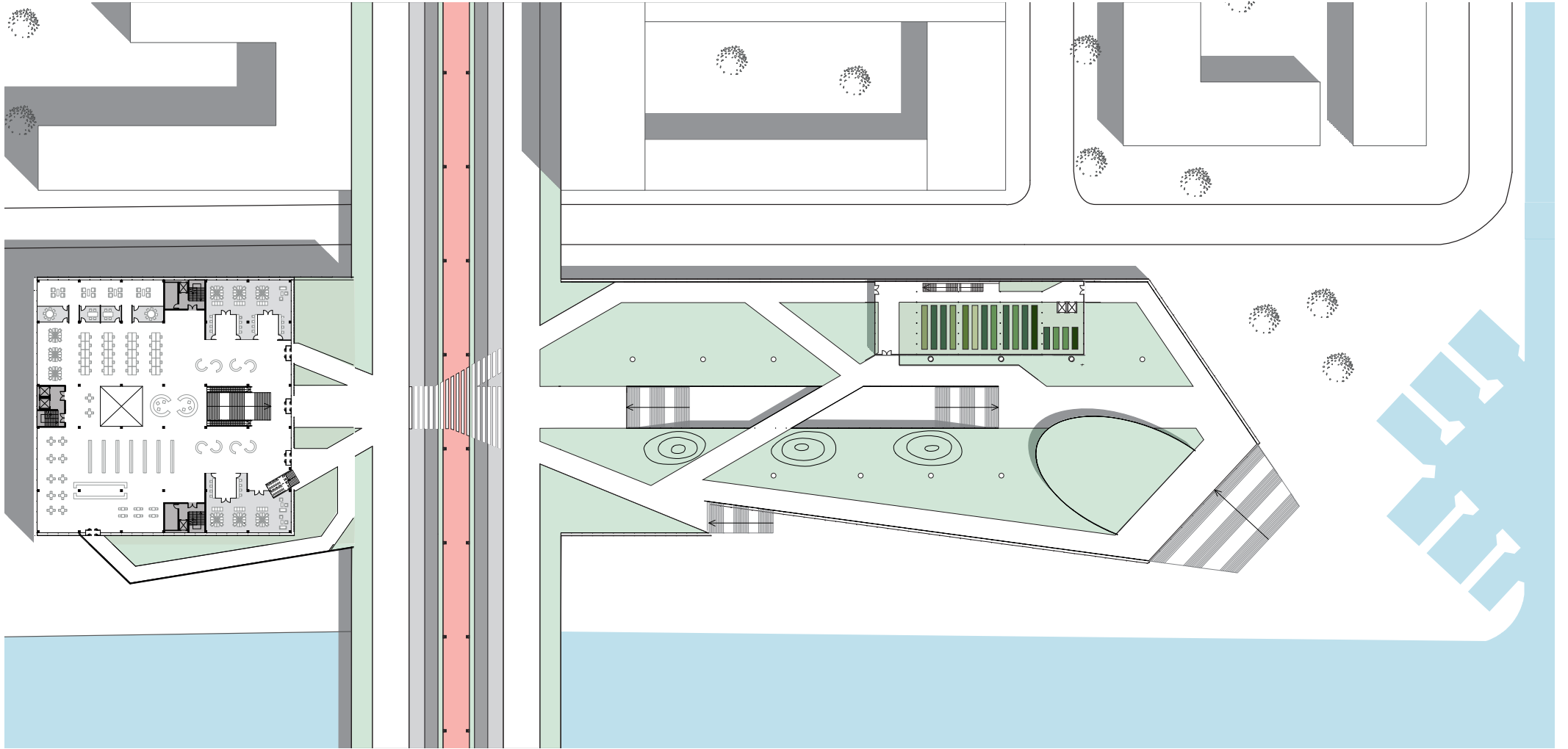


GROUND FLOOR PLAN

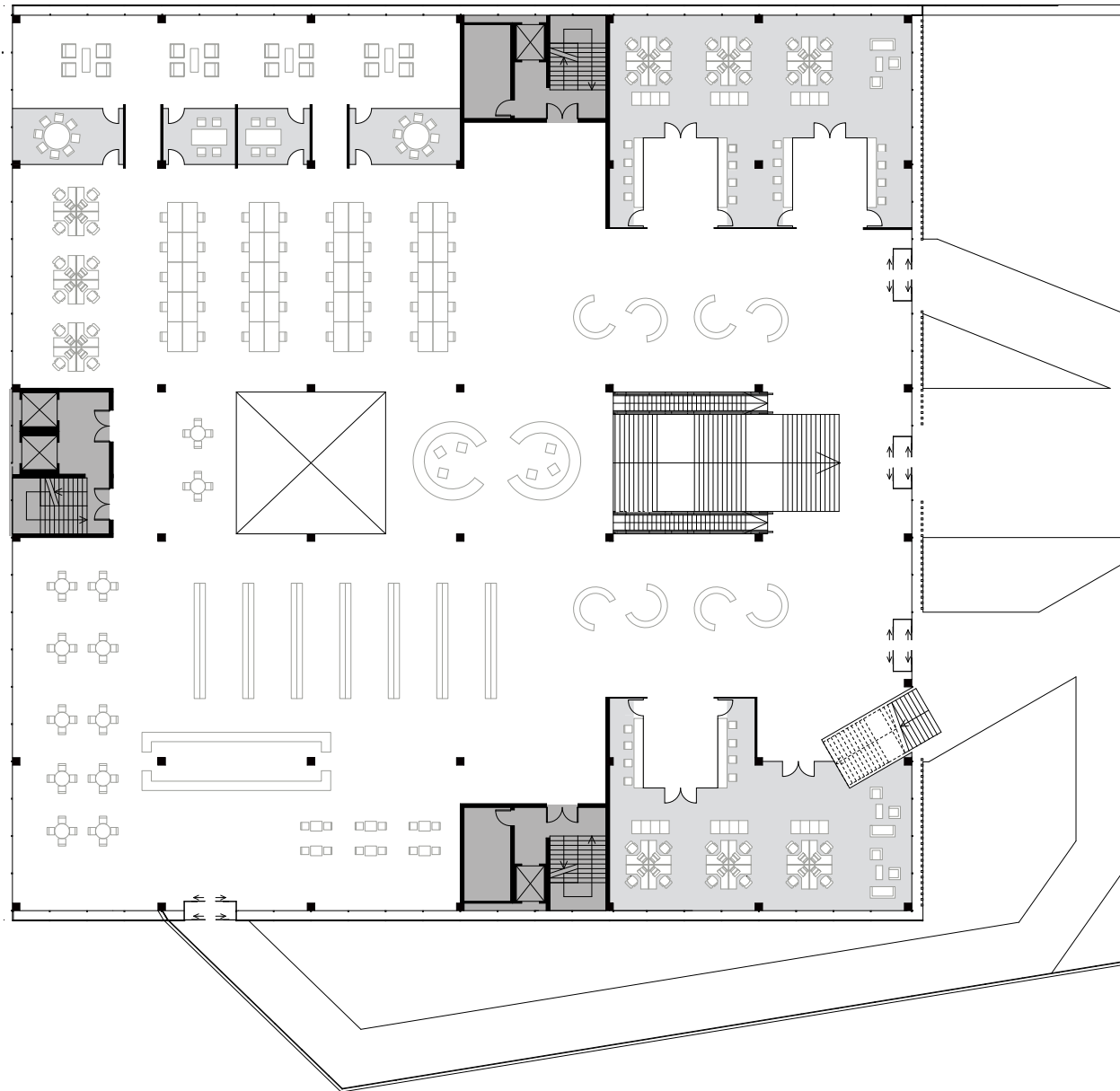




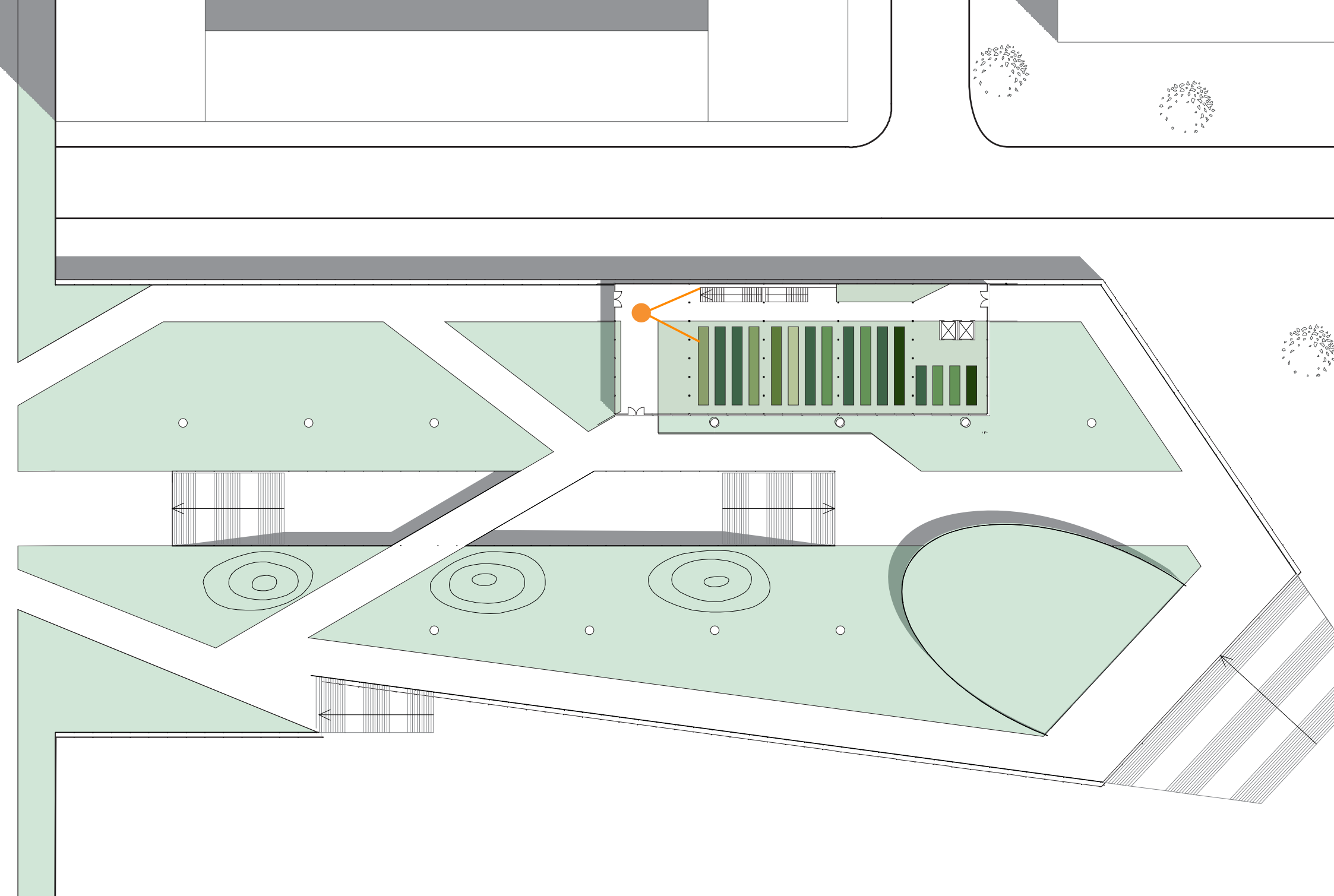




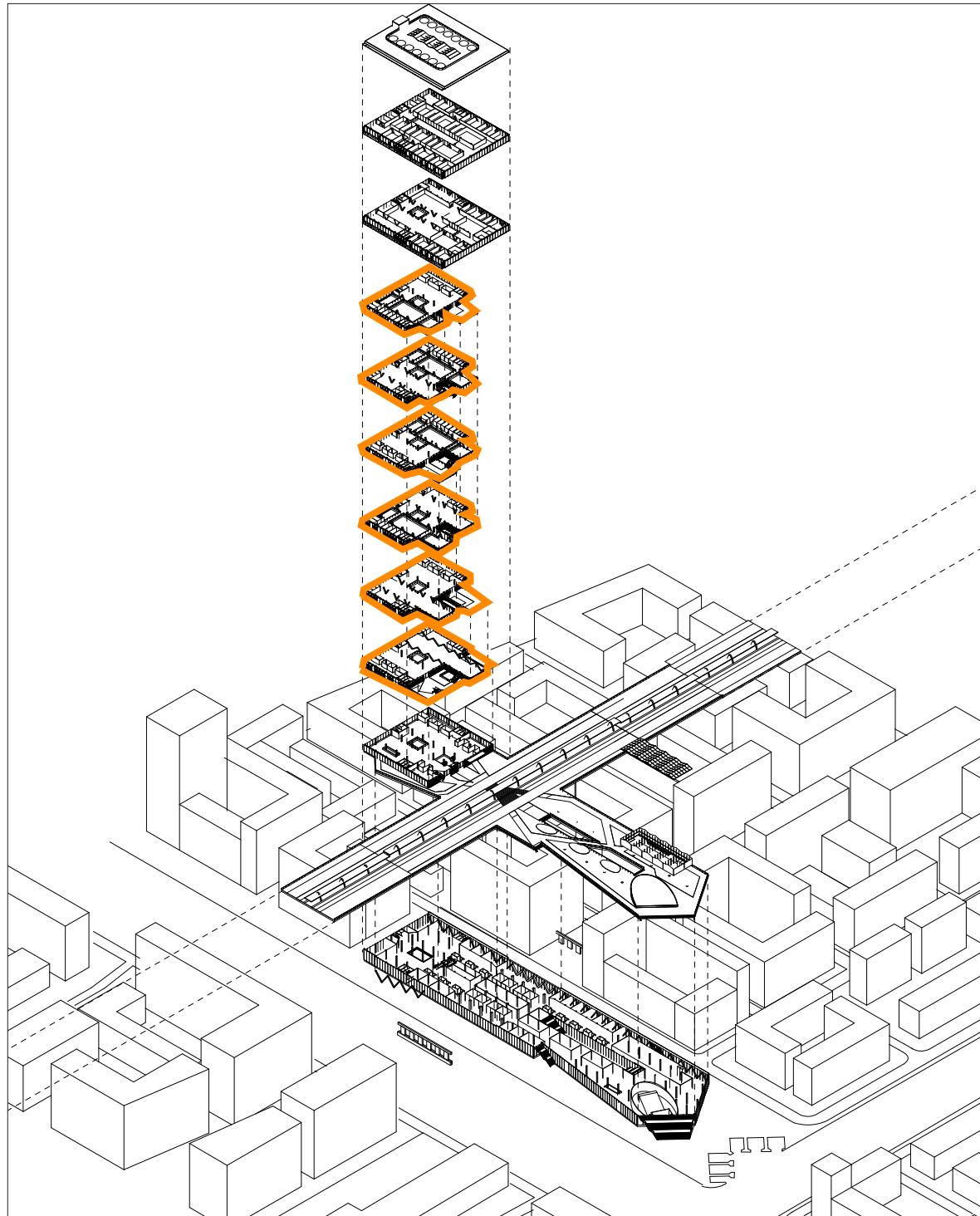
FIRST FLOOR PLAN



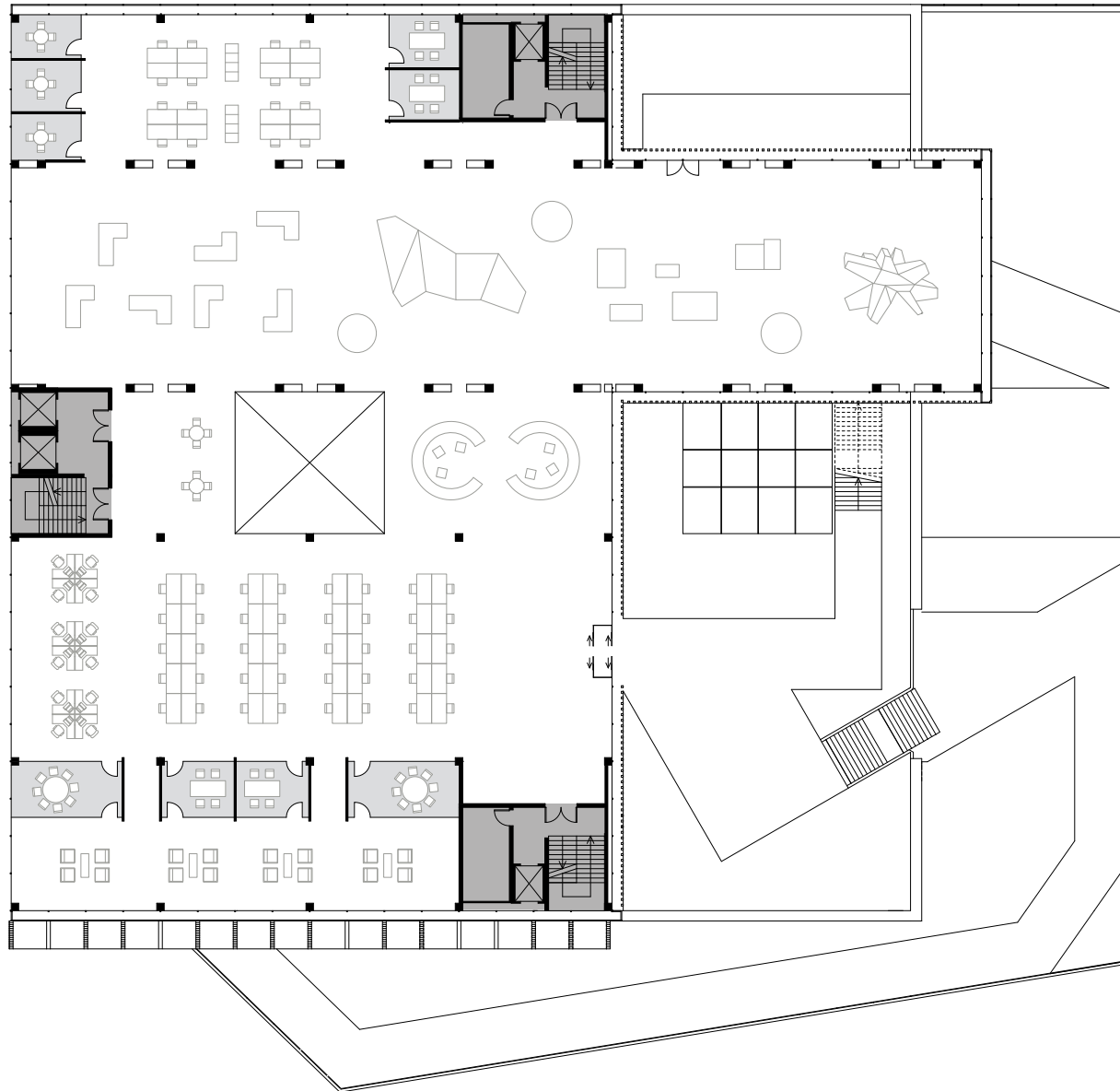




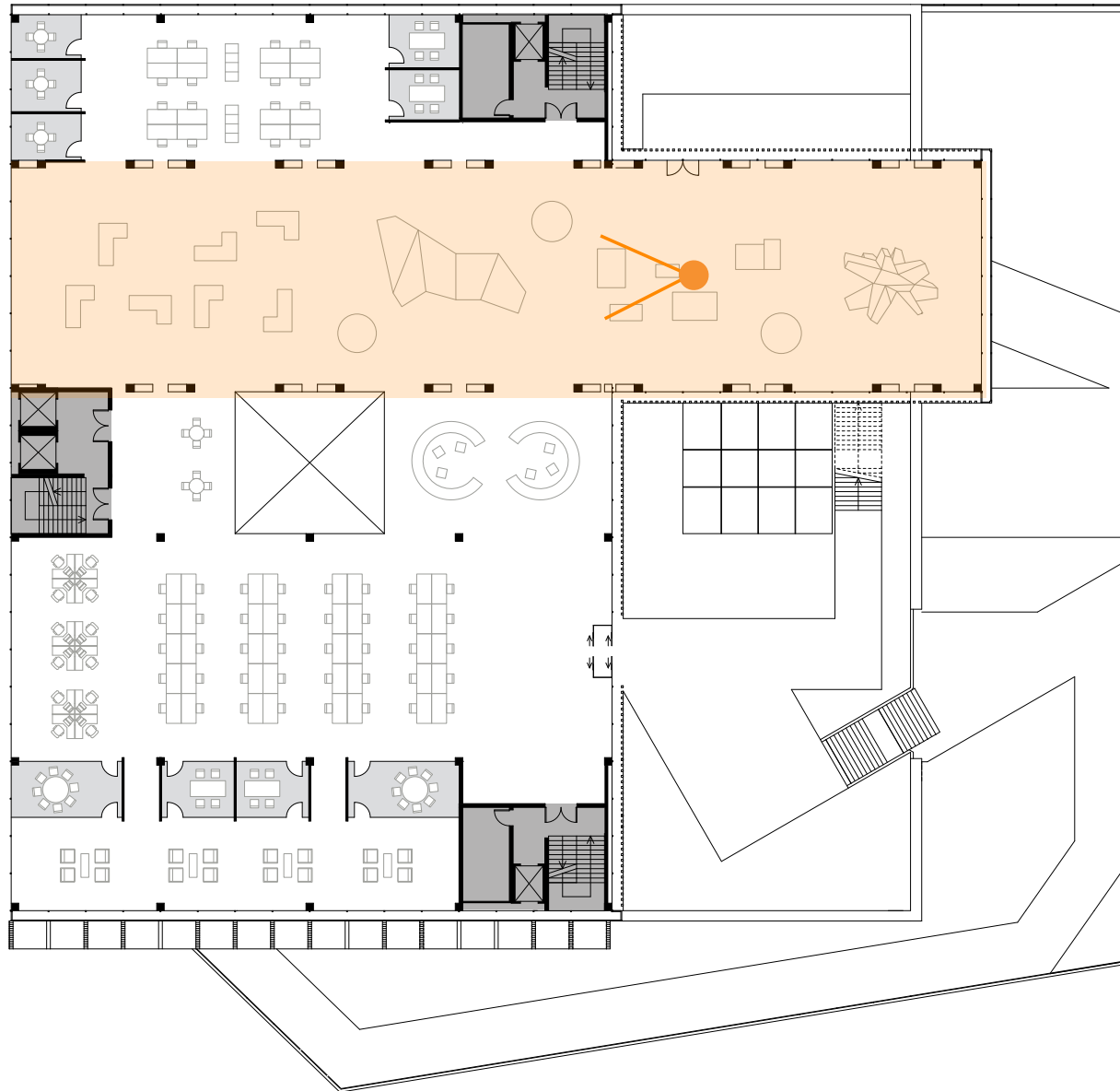




SECOND FLOOR PLAN

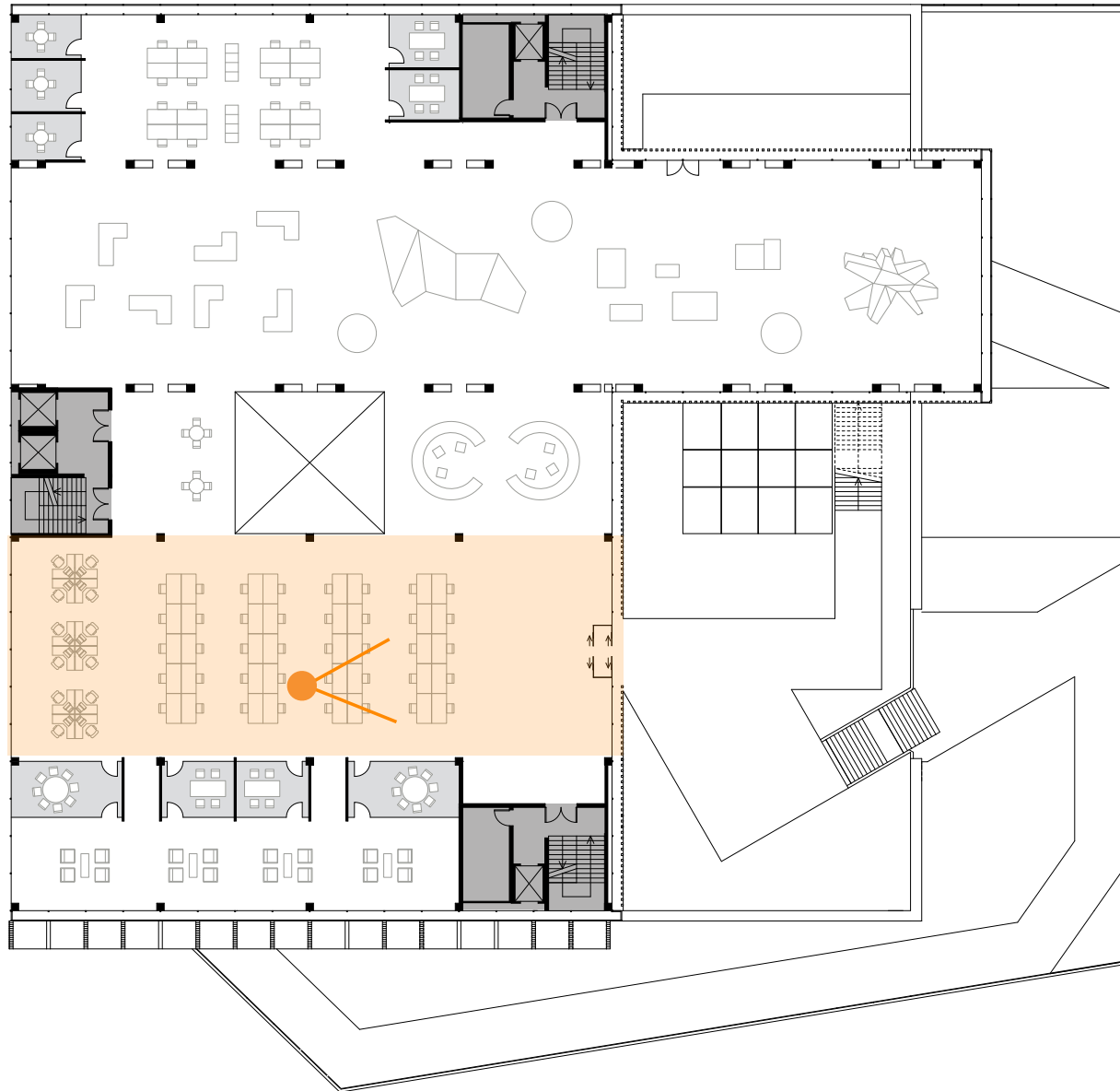


SECOND FLOOR PLAN



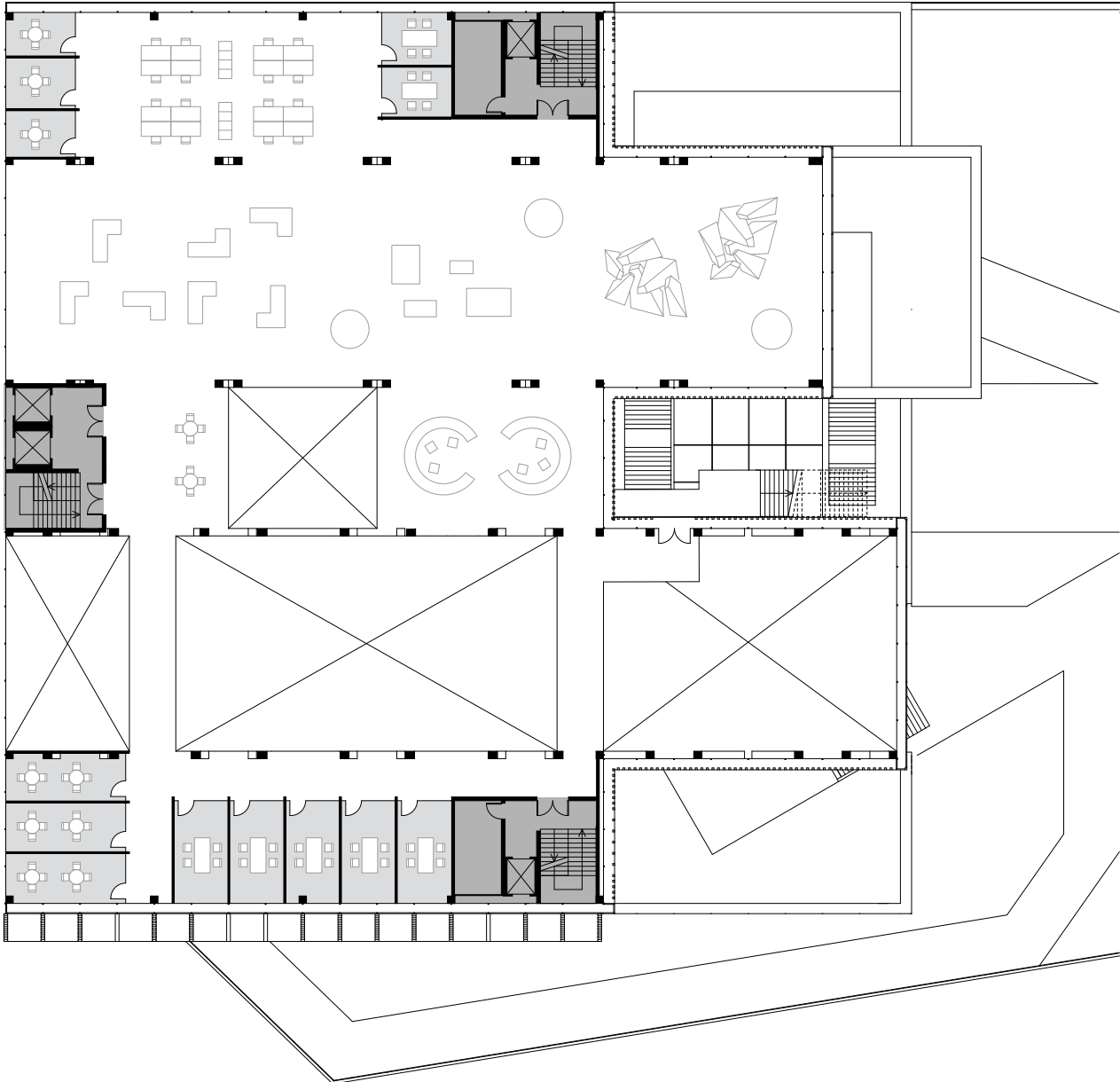


SECOND FLOOR PLAN

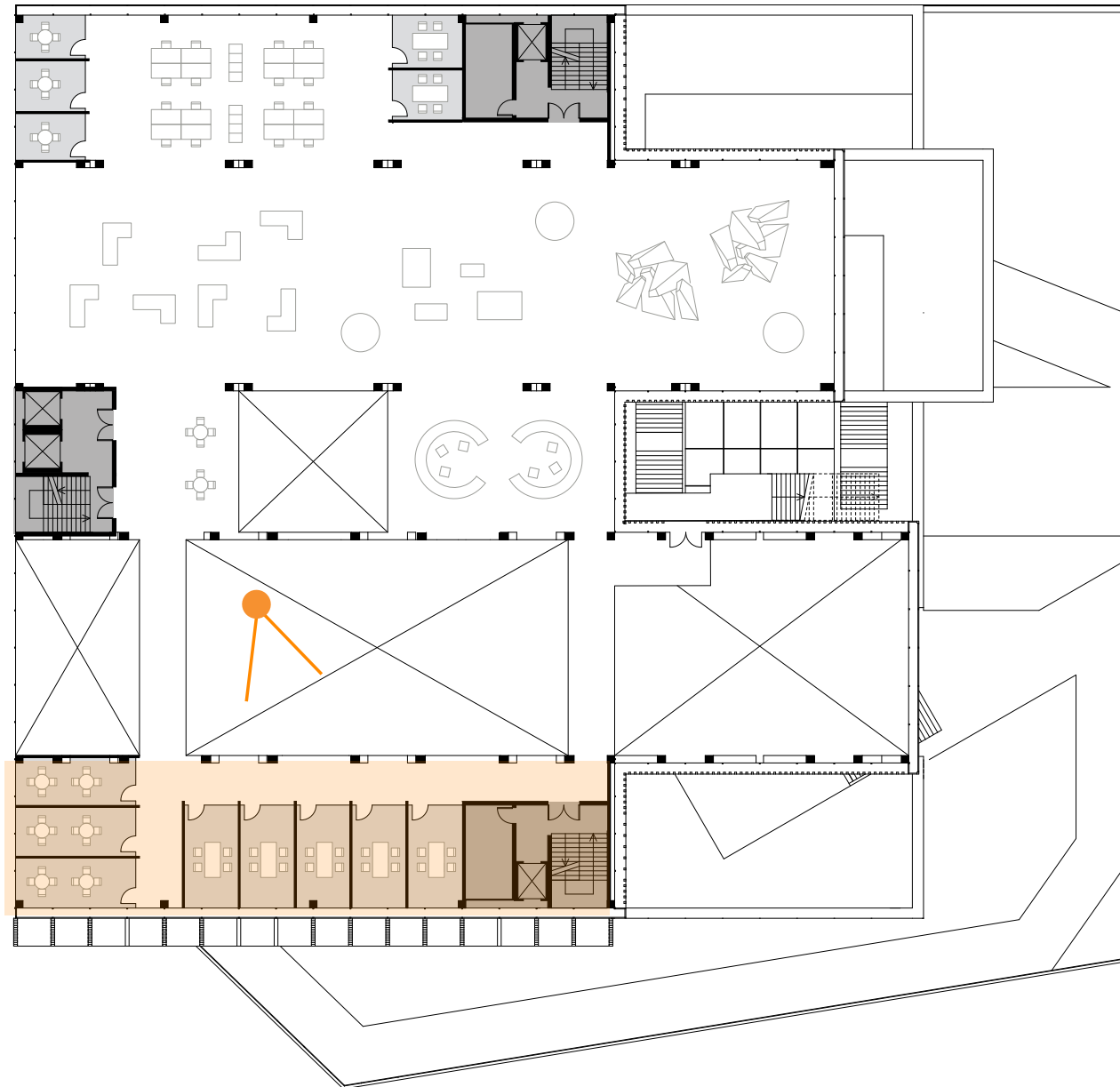




FOURTH FLOOR PLAN

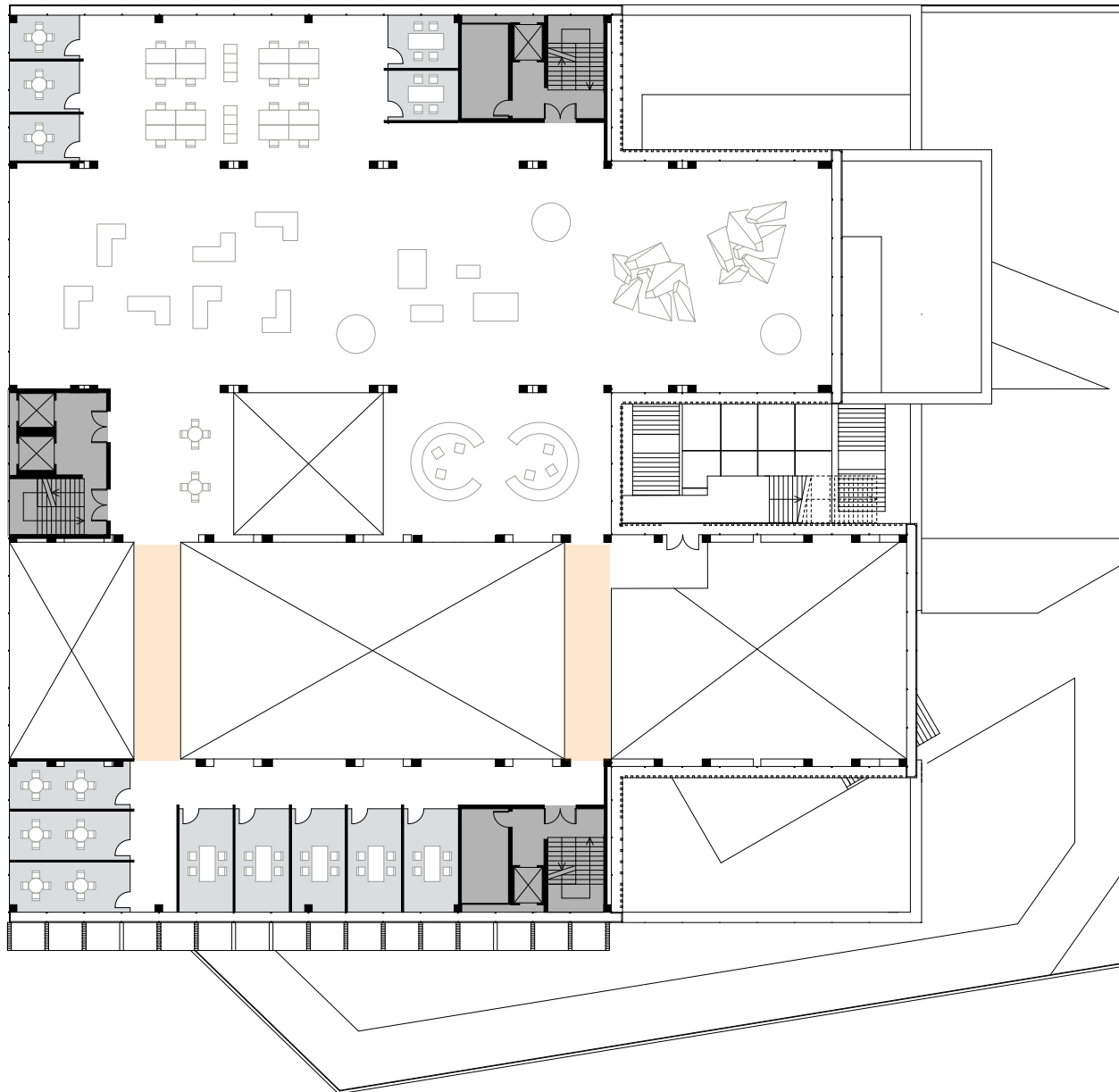


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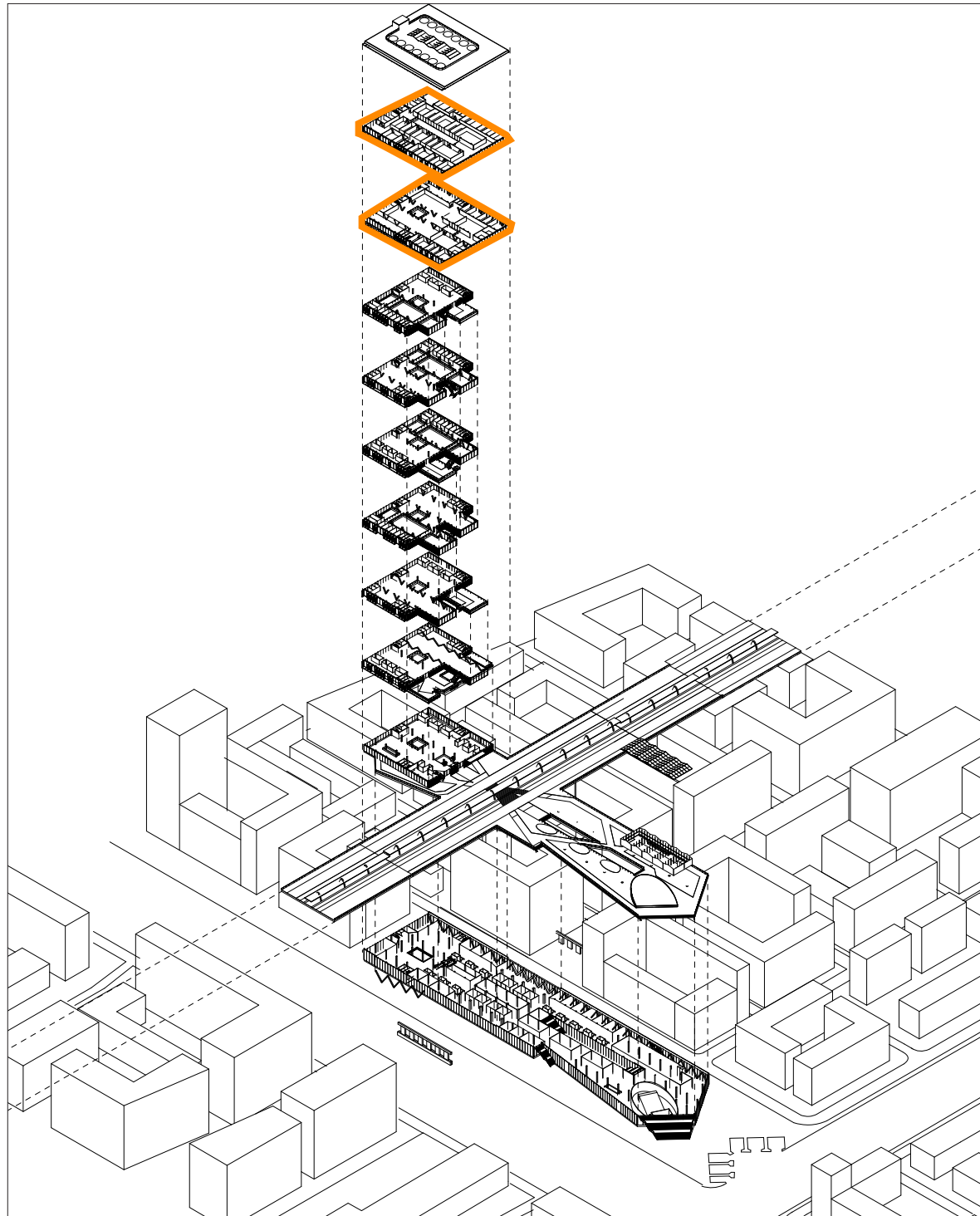




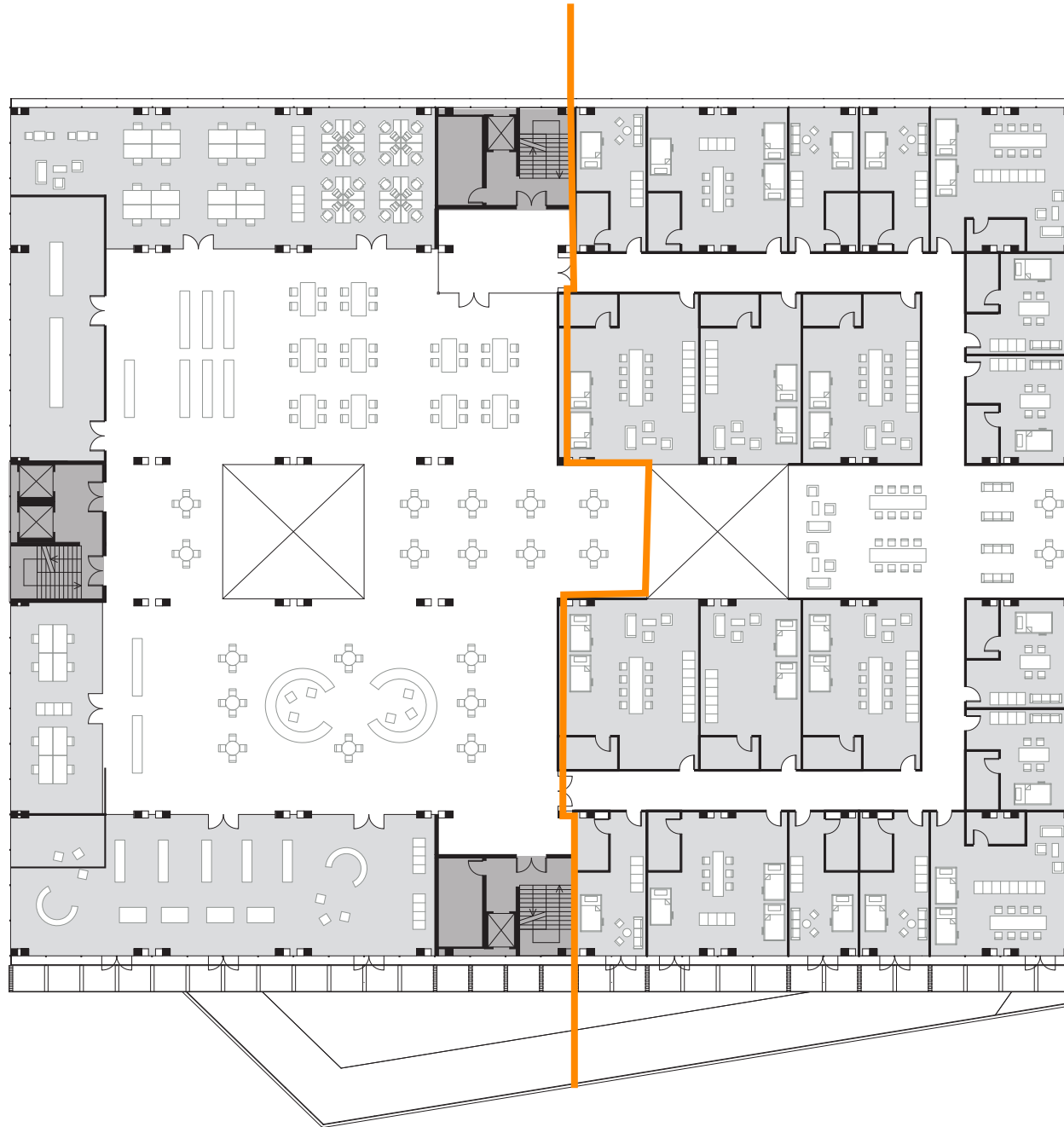
FOURTH FLOOR PLAN



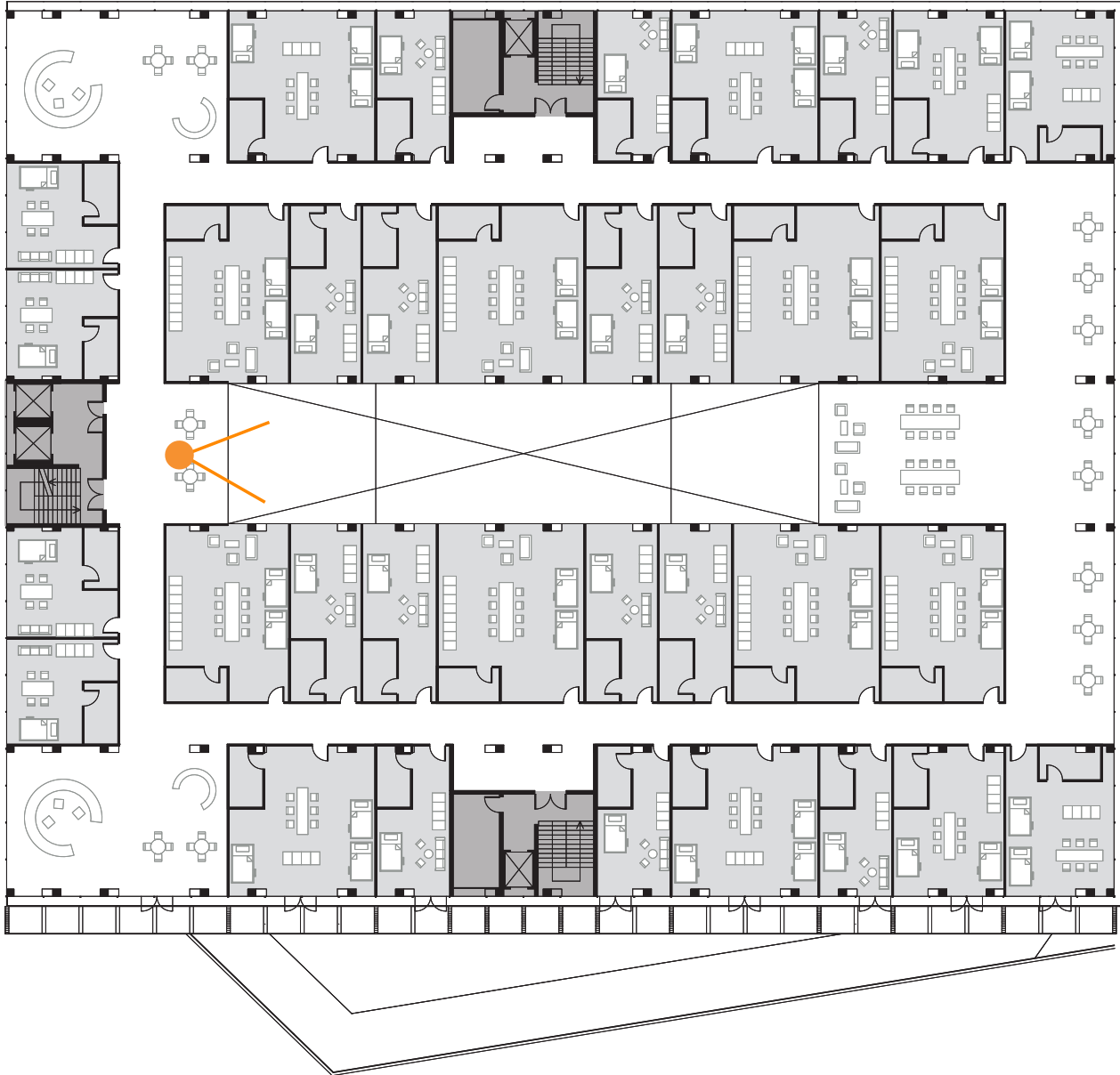




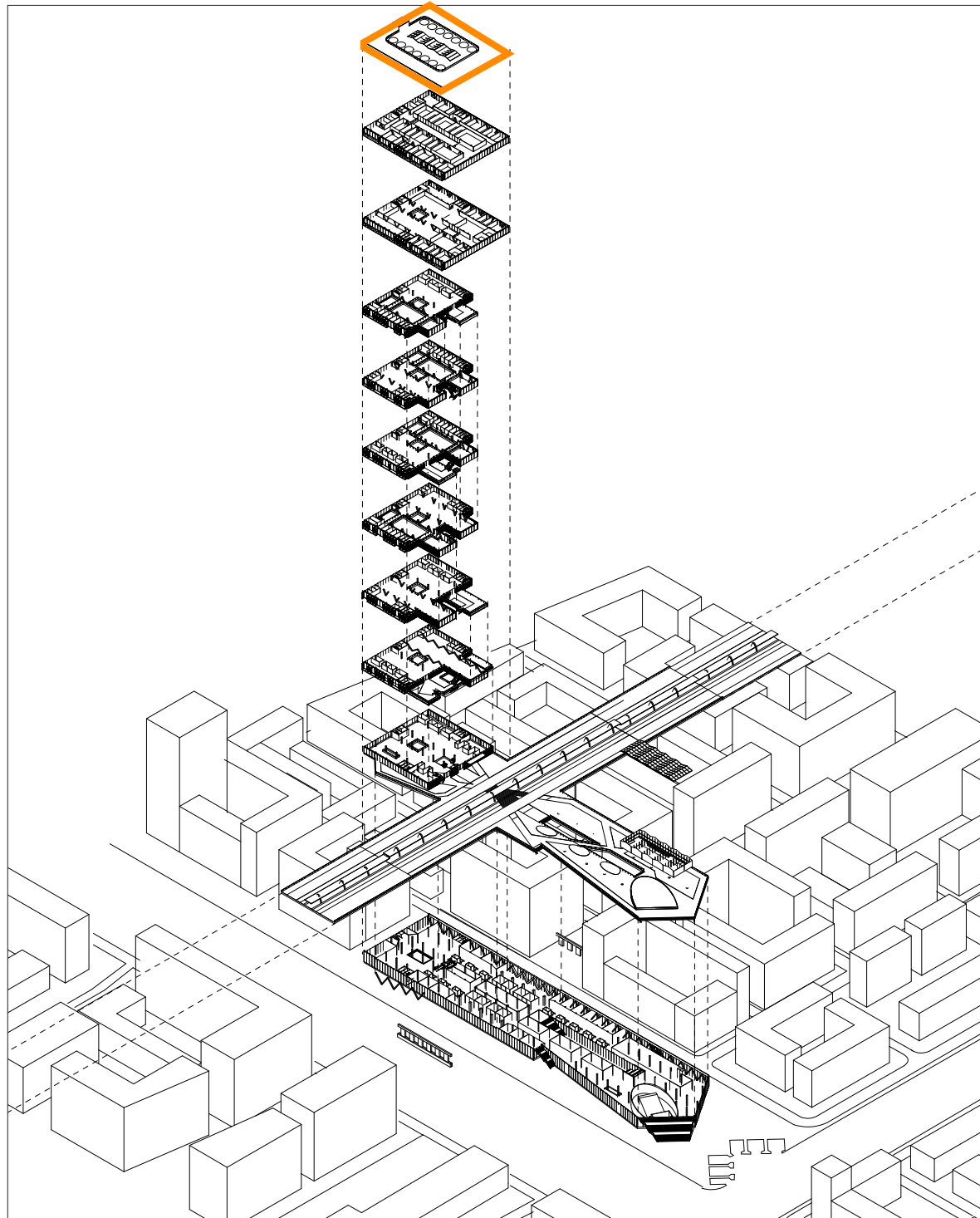
EIGHTH FLOOR PLAN



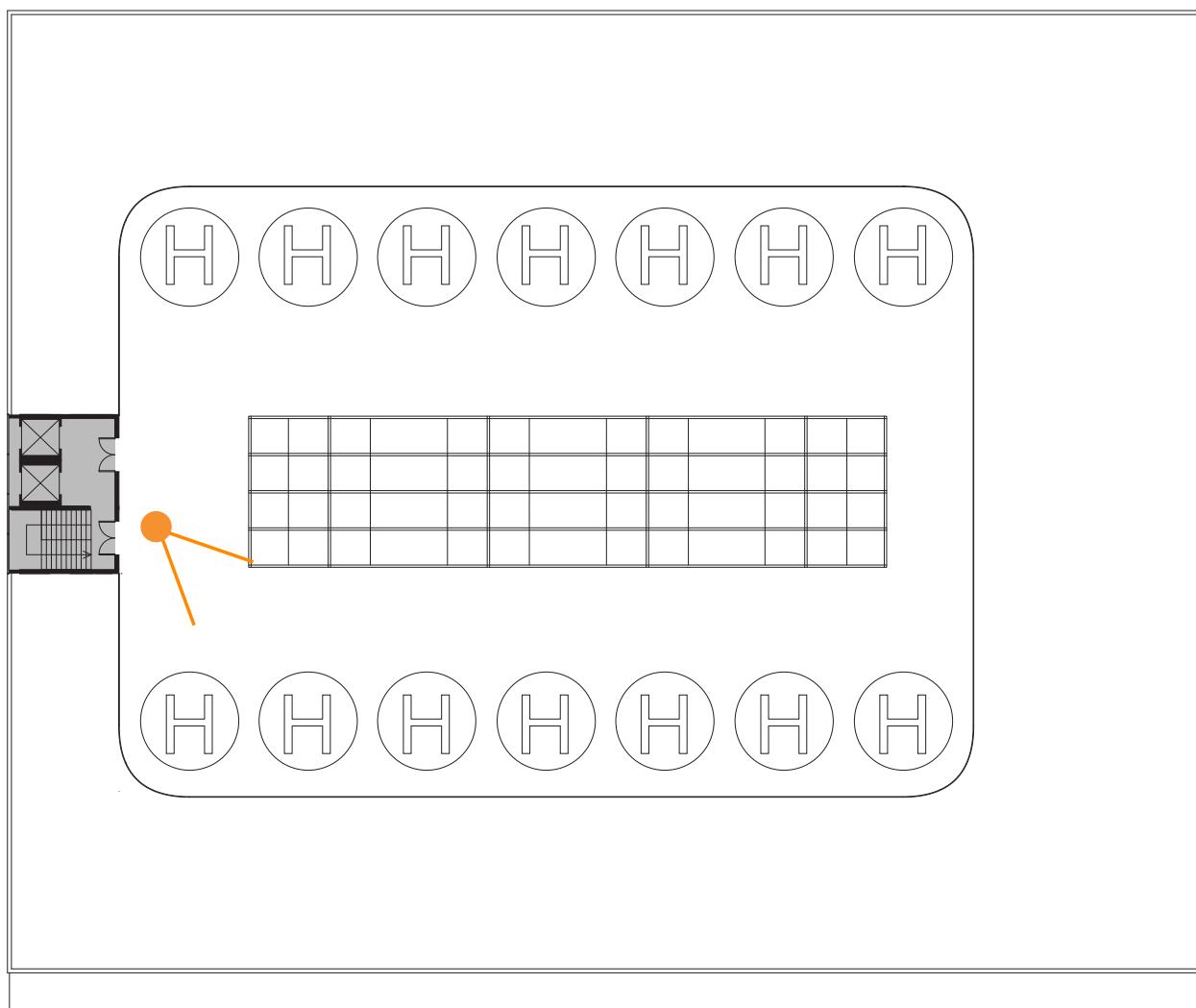
NINETH FLOOR PLAN





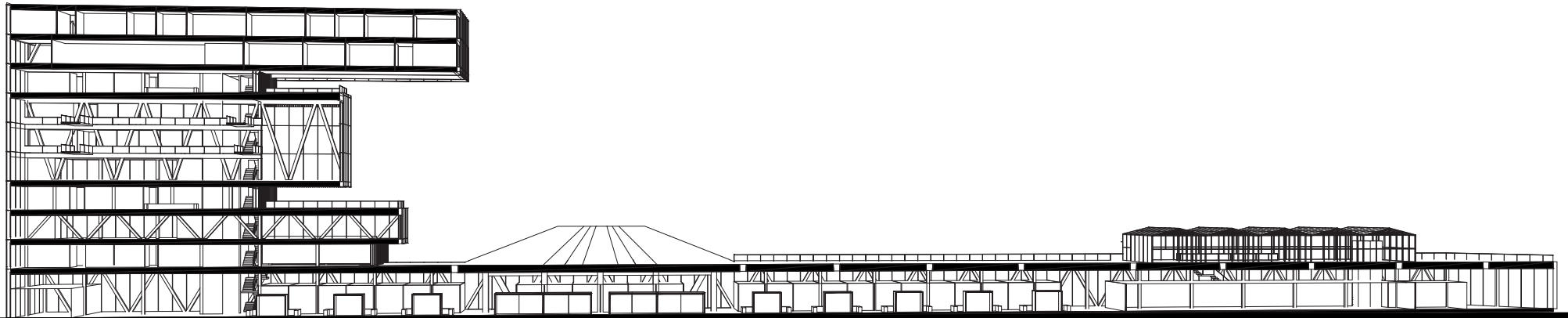


ROOF FLOOR PLAN

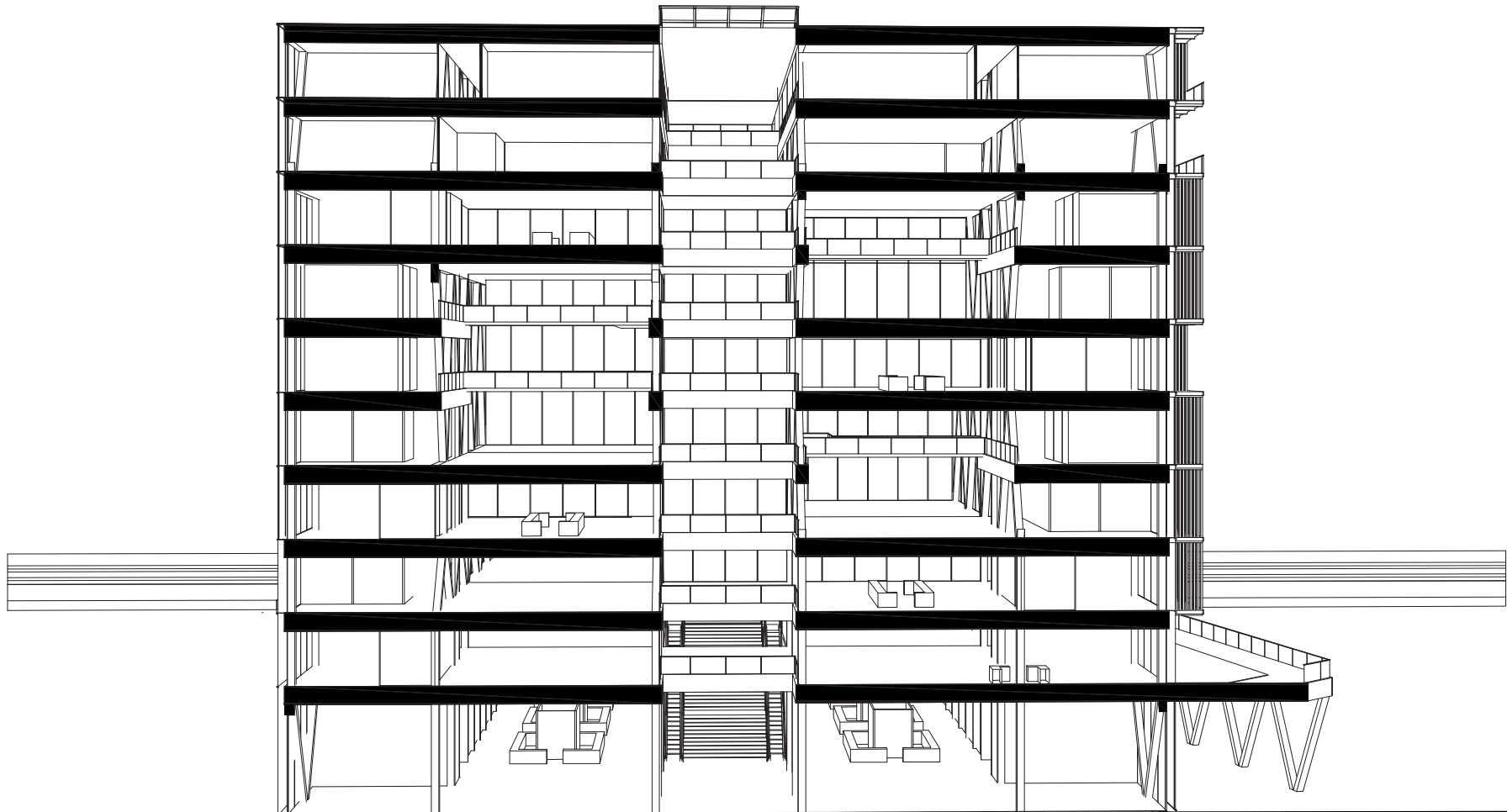




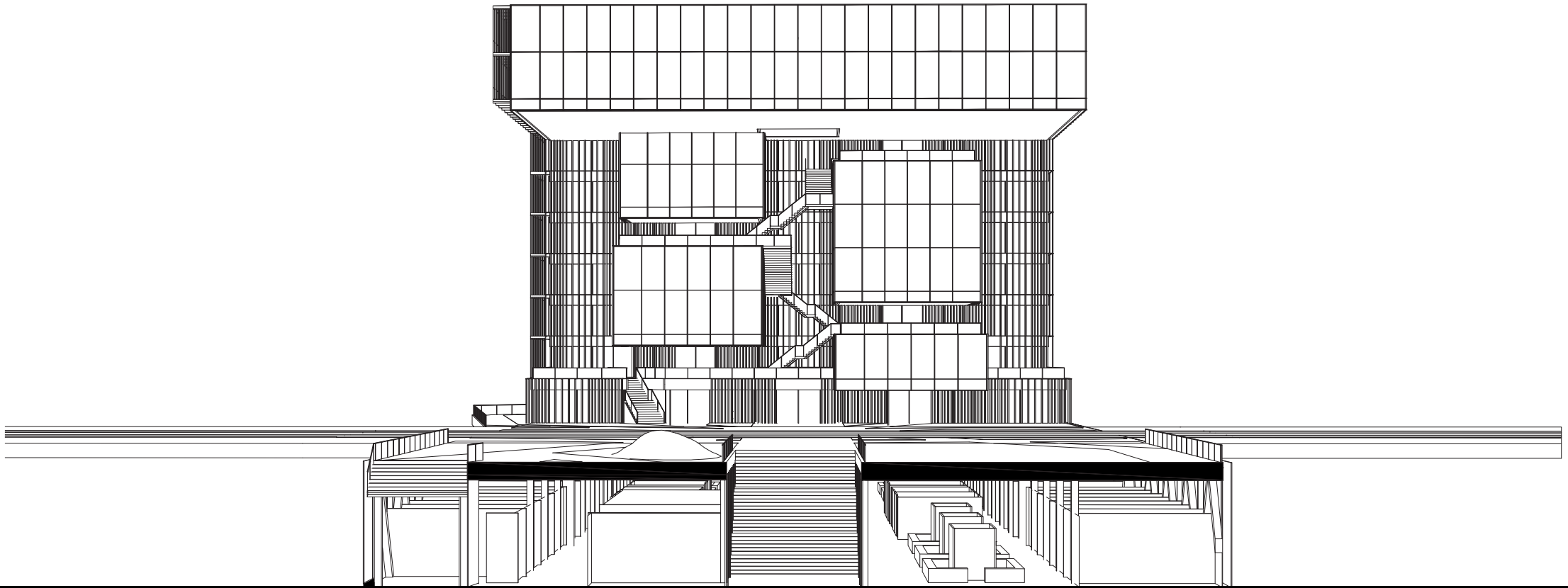
SOUTH SECTION



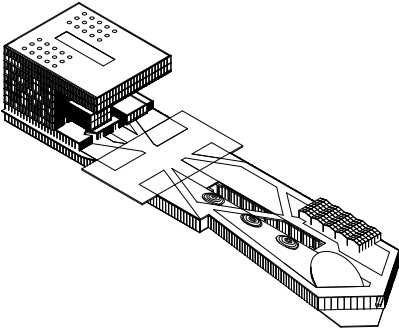
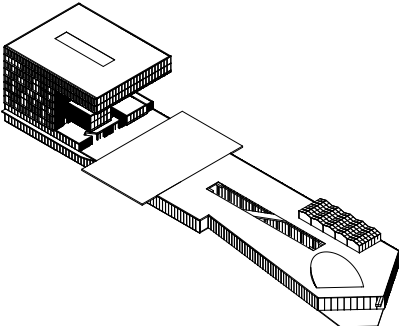
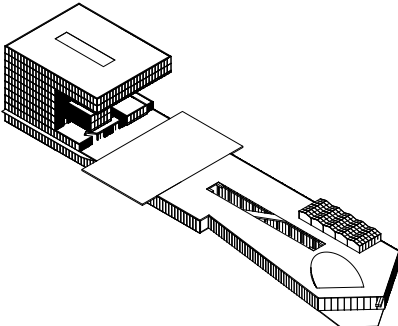
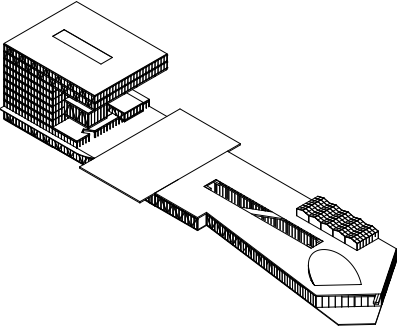
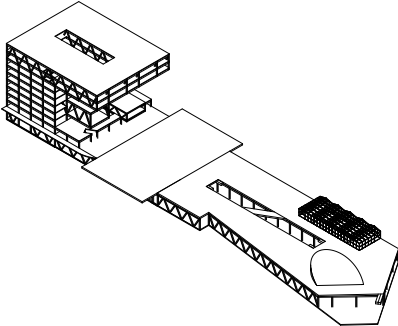
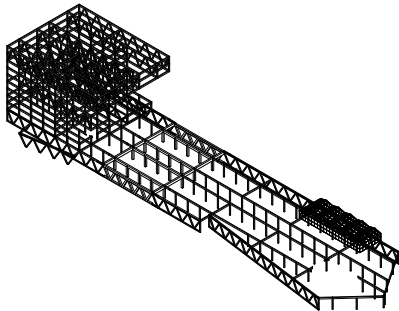
WEST SECTION



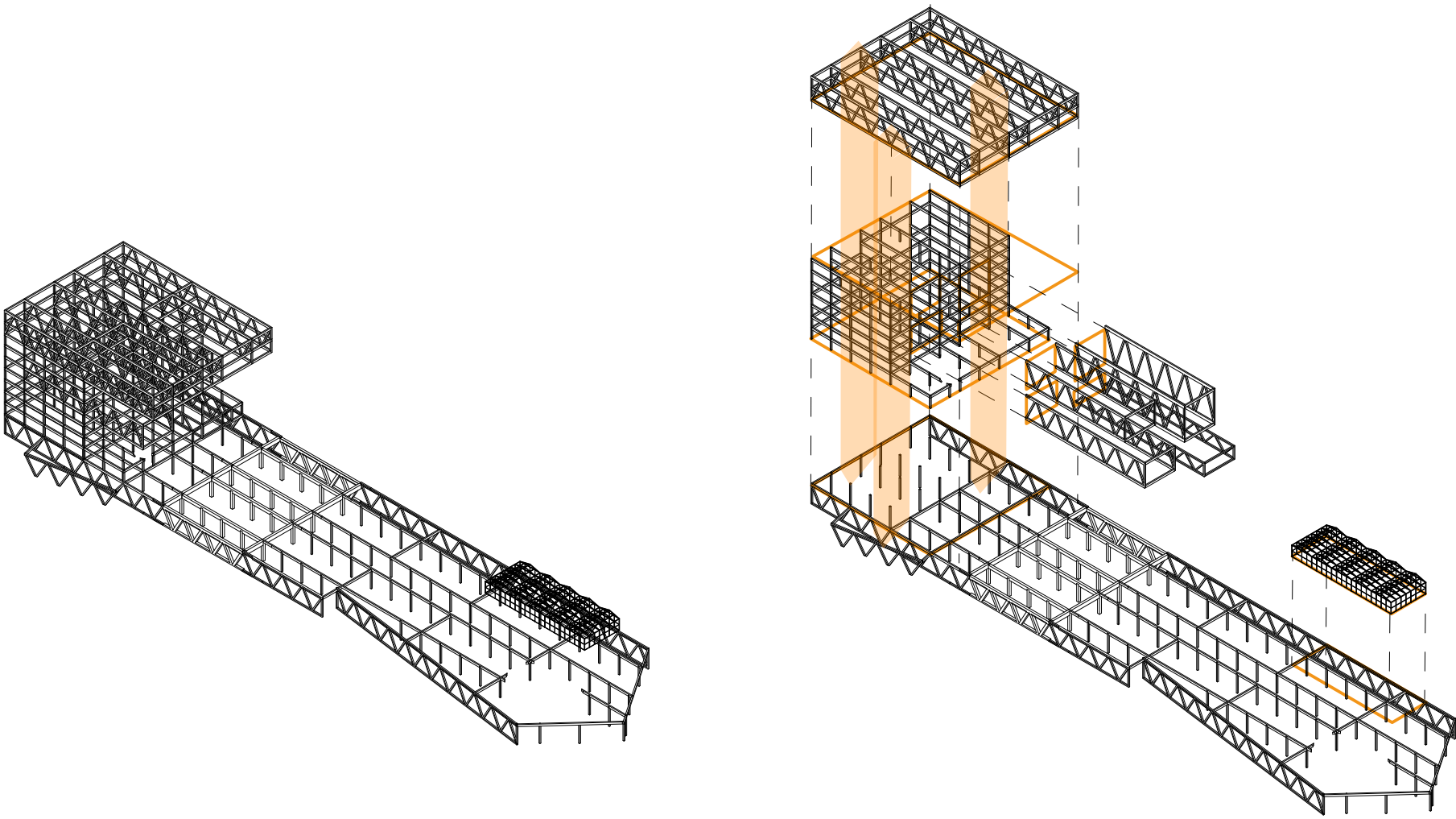
EAST SECTION



BUILDING LAYERS



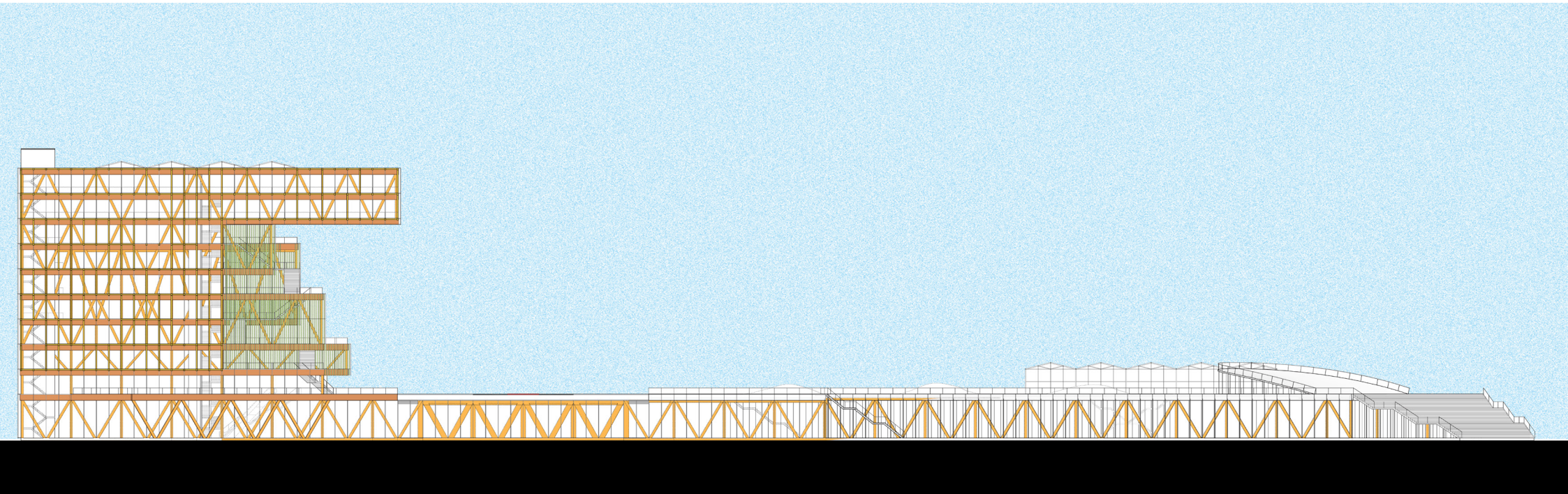
MAIN STRUCTURE



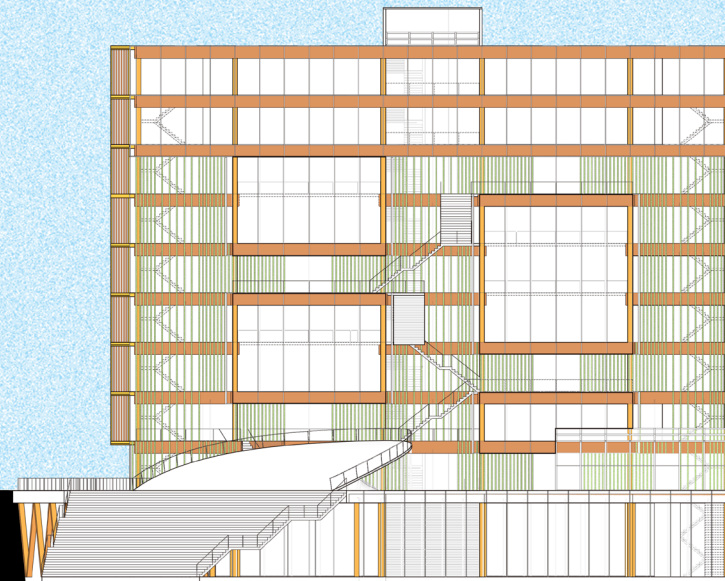
HOLCON FLOOR



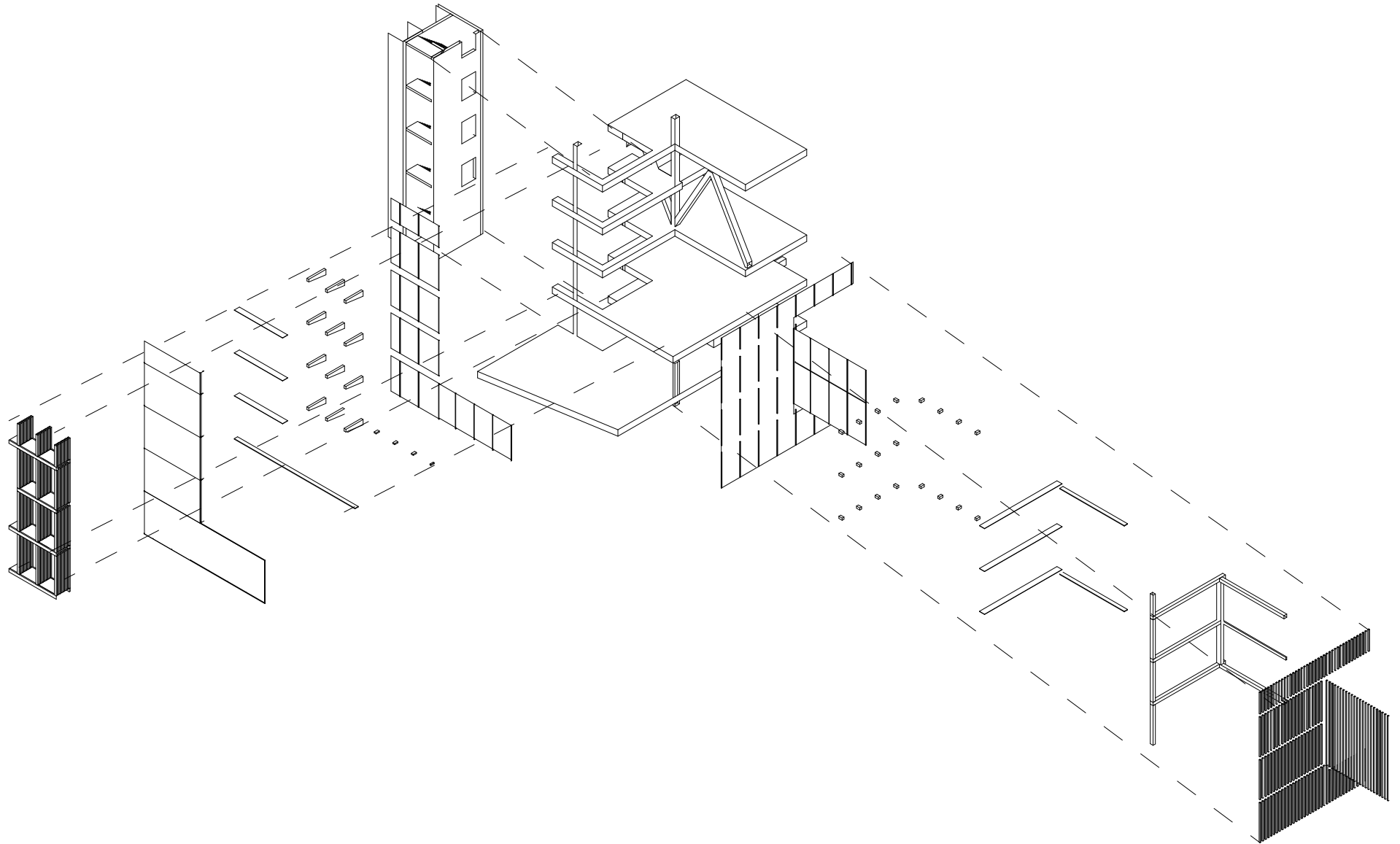
SOUTH ELEVATION

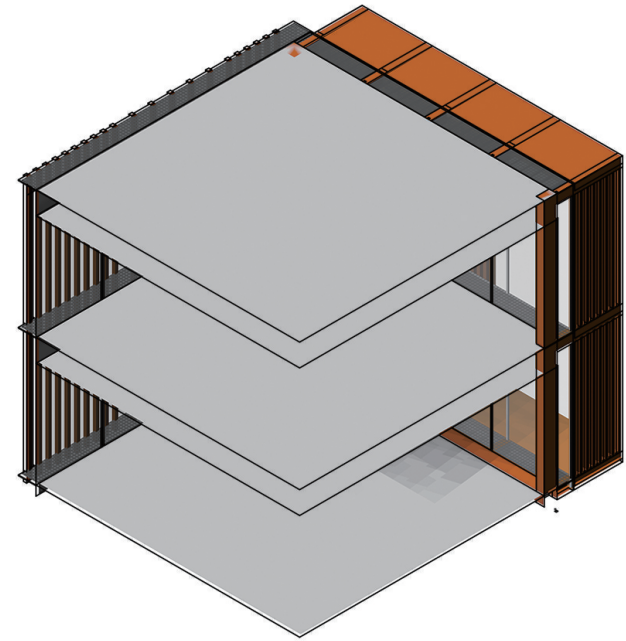
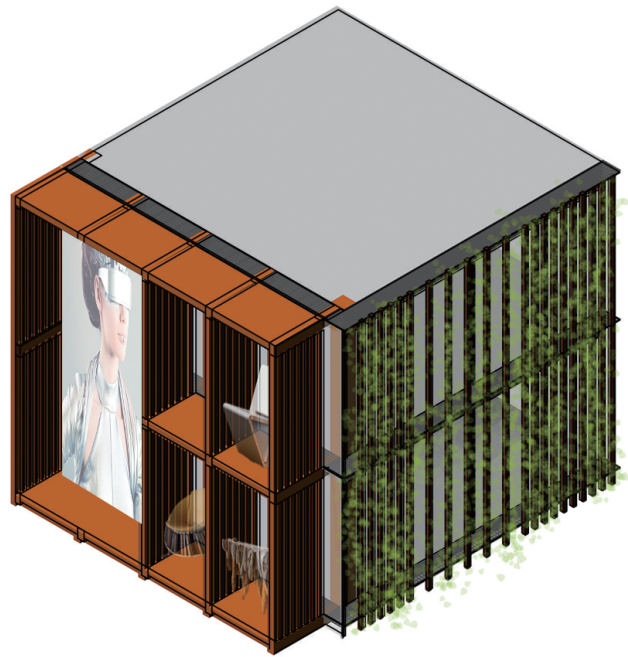


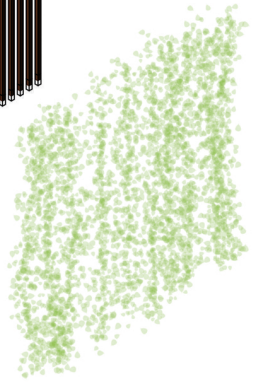
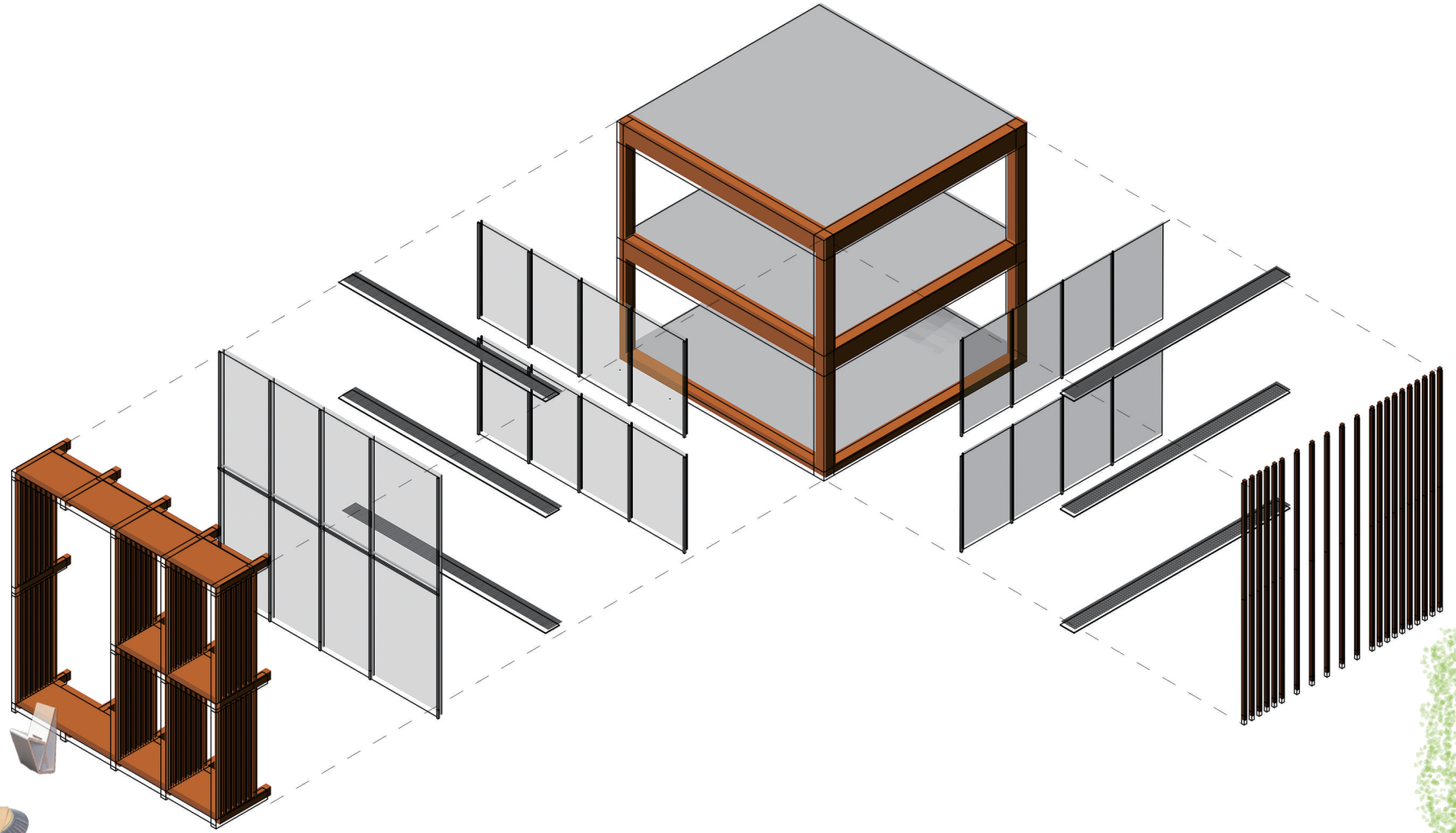
EAST ELEVATION

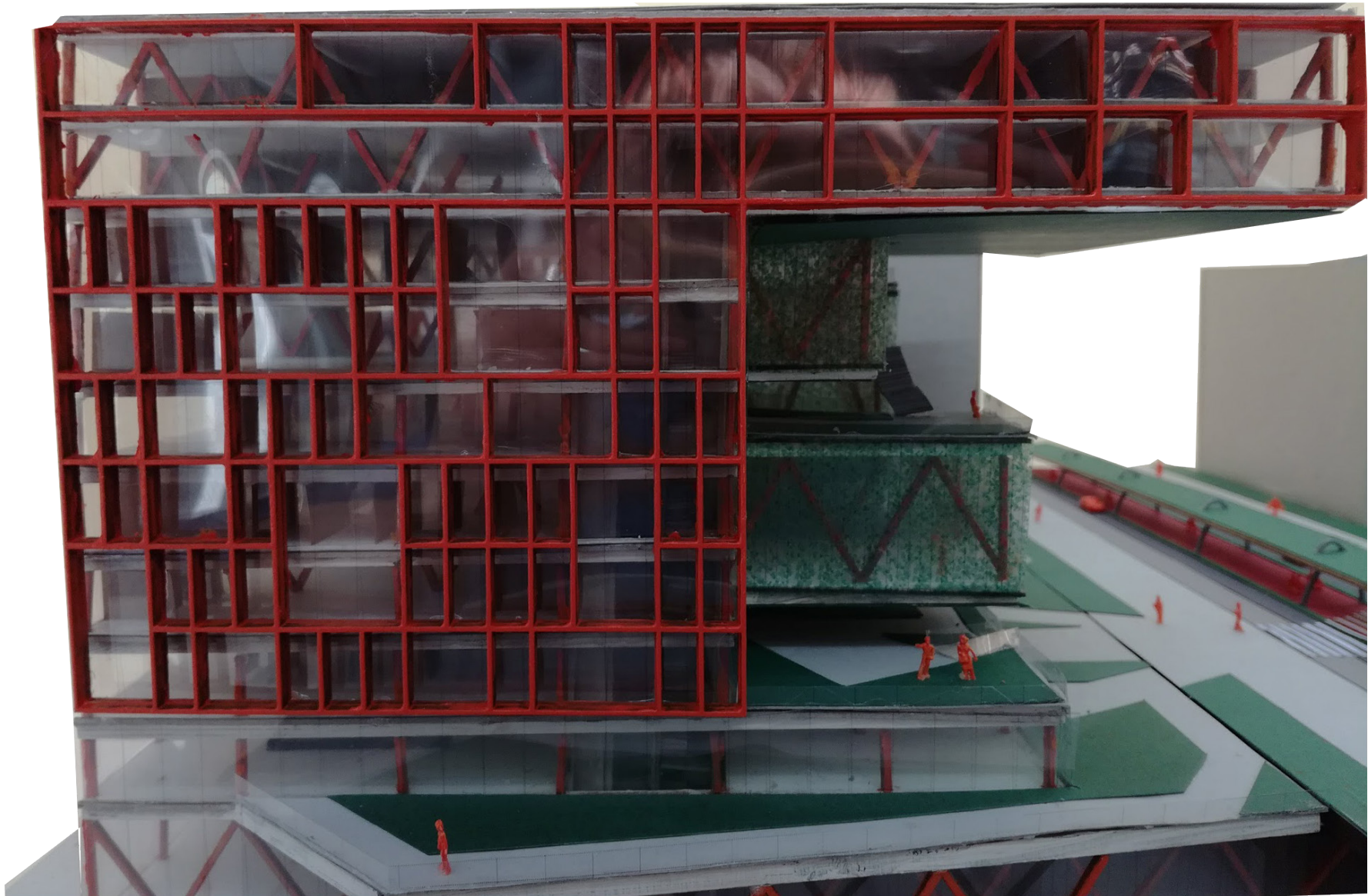


FACADE FRAGMENT

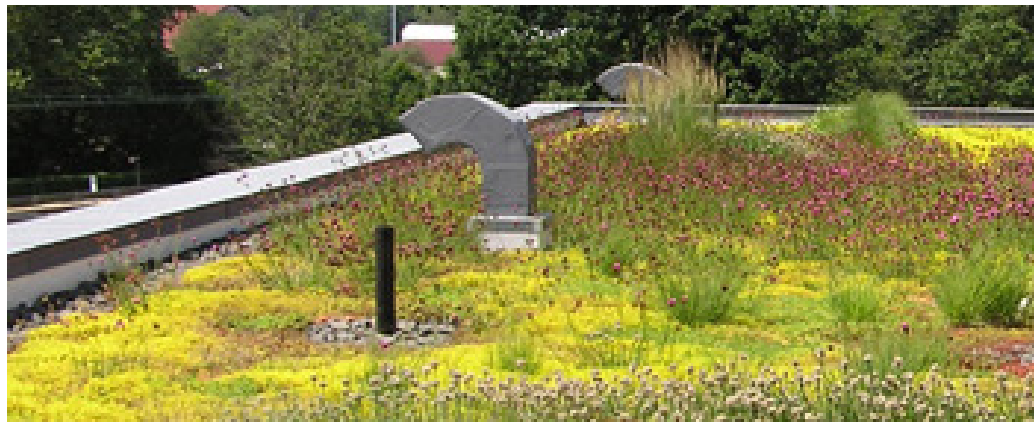
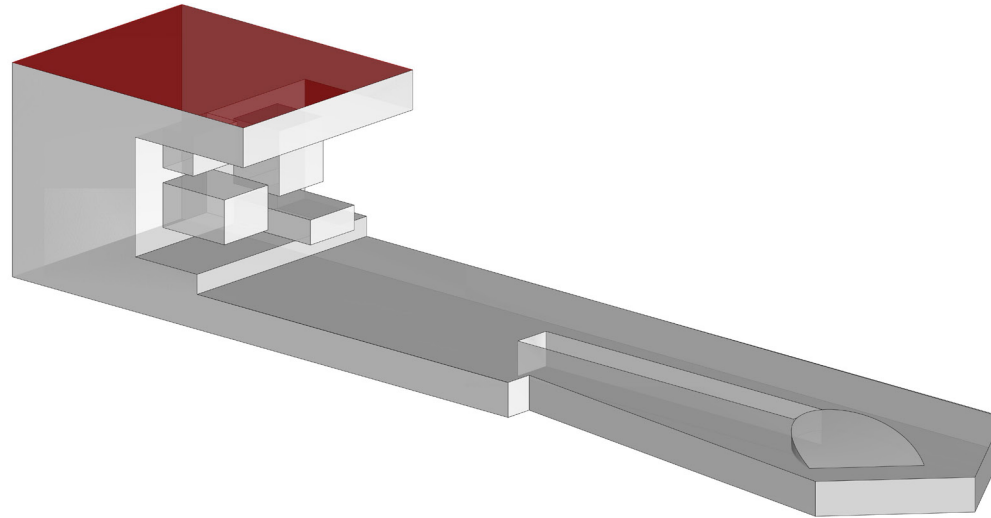






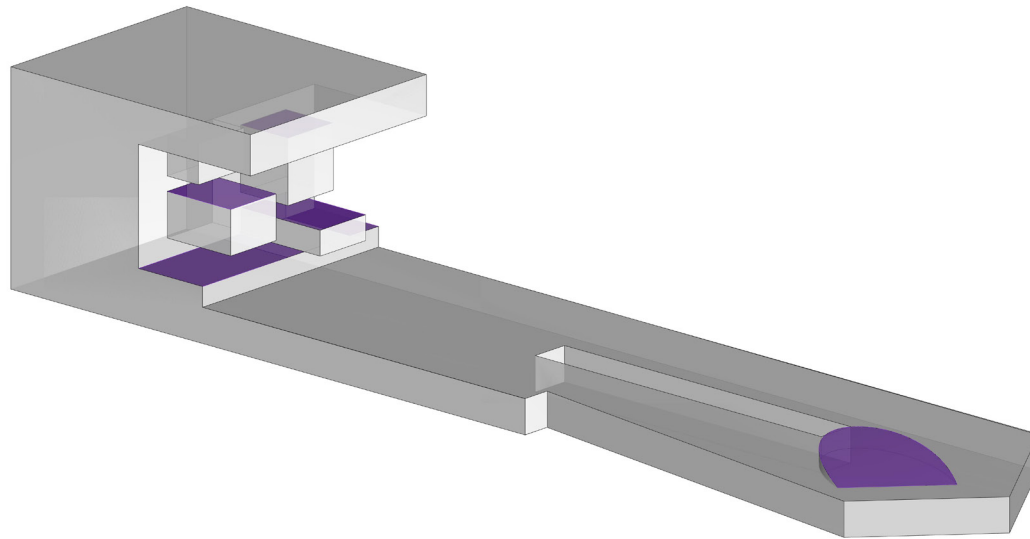


EXTENSIVE GREEN ROOF



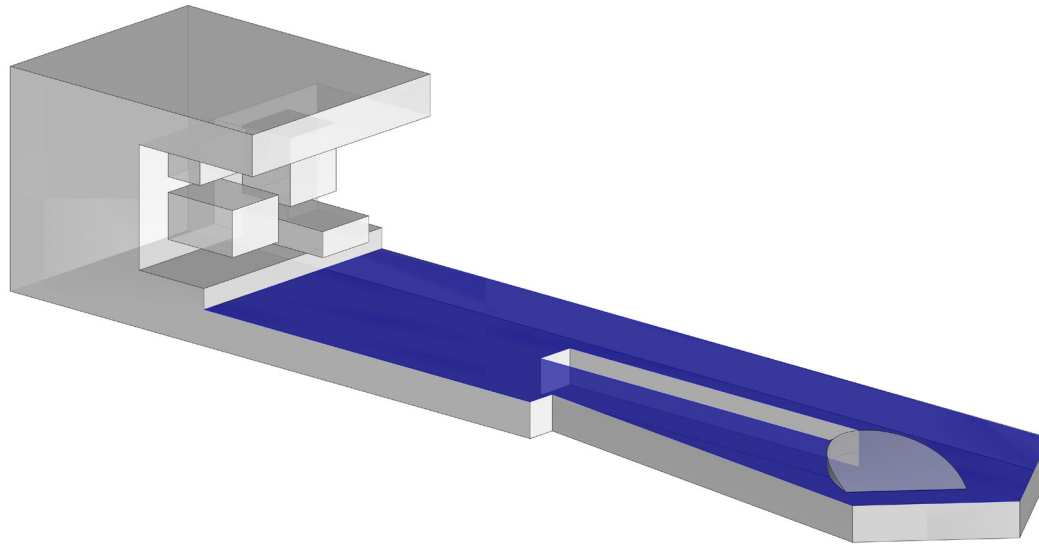
- THICKNESS: 100MM
- WALKABILITY: NO
- MAINTENANCE: LOW
- PLANT TYPE: SEDUM, HERB
- DEAD LOAD: 0.7 KN/M²

SEMI-INTENSIVE GREEN ROOF



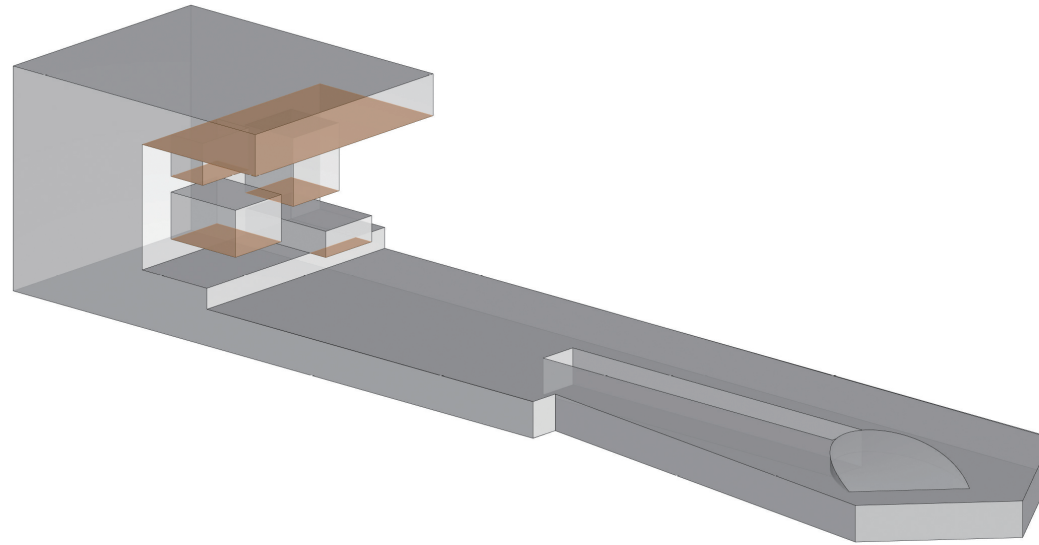
- THICKNESS: 150MM
- WALKABILITY: YES
- MAINTENANCE: MEDIUM
- PLANT TYPE: GRASS, SHRUB
- DEAD LOAD: 5 KN/M²

INTENSIVE GREEN ROOF



- THICKNESS: 250MM
- WALKABILITY: YES
- MAINTENANCE: HIGH
- PLANT TYPE:
GRASS, SHRUB, TREE
- DEAD LOAD: 10 KN/M²

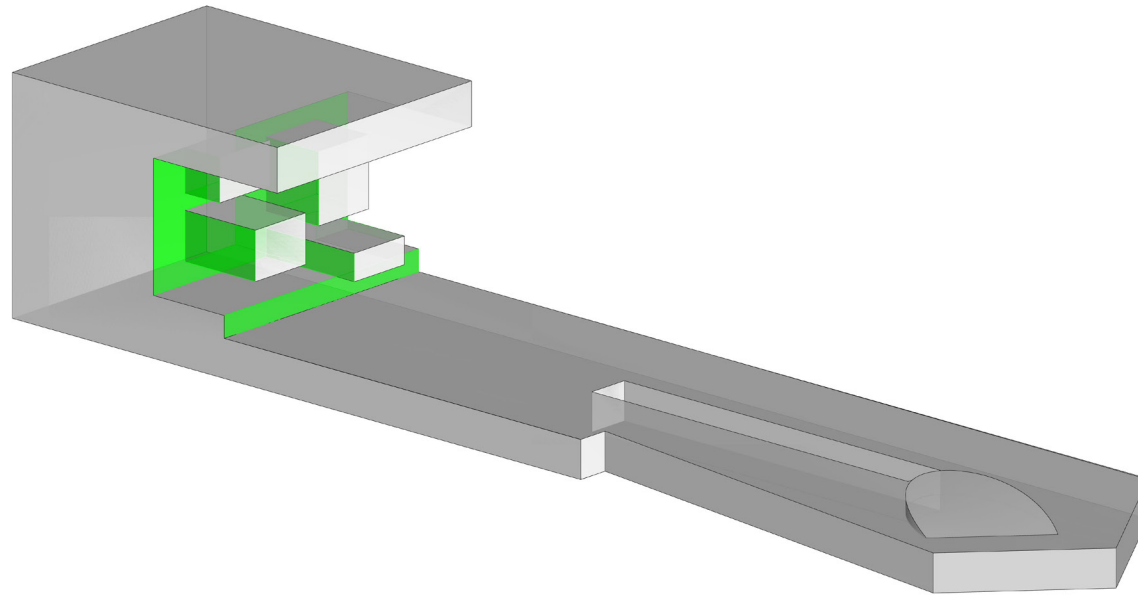
GREEN CEILING



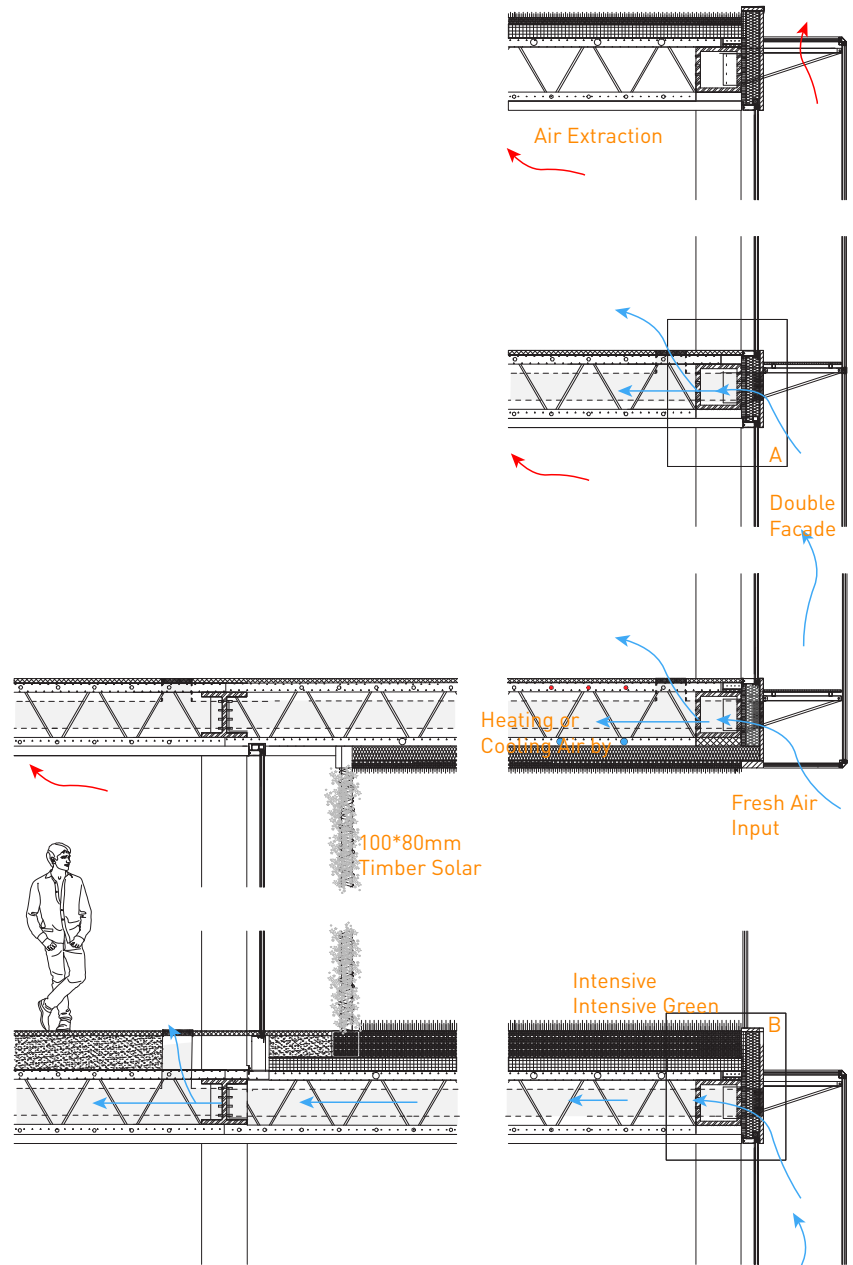
- THICKNESS: 100MM
- WALKABILITY: NO
- MAINTENANCE: LOW
- PLANT TYPE: SEDUM, HERB
- DEAD LOAD: 0.7 KN/M²

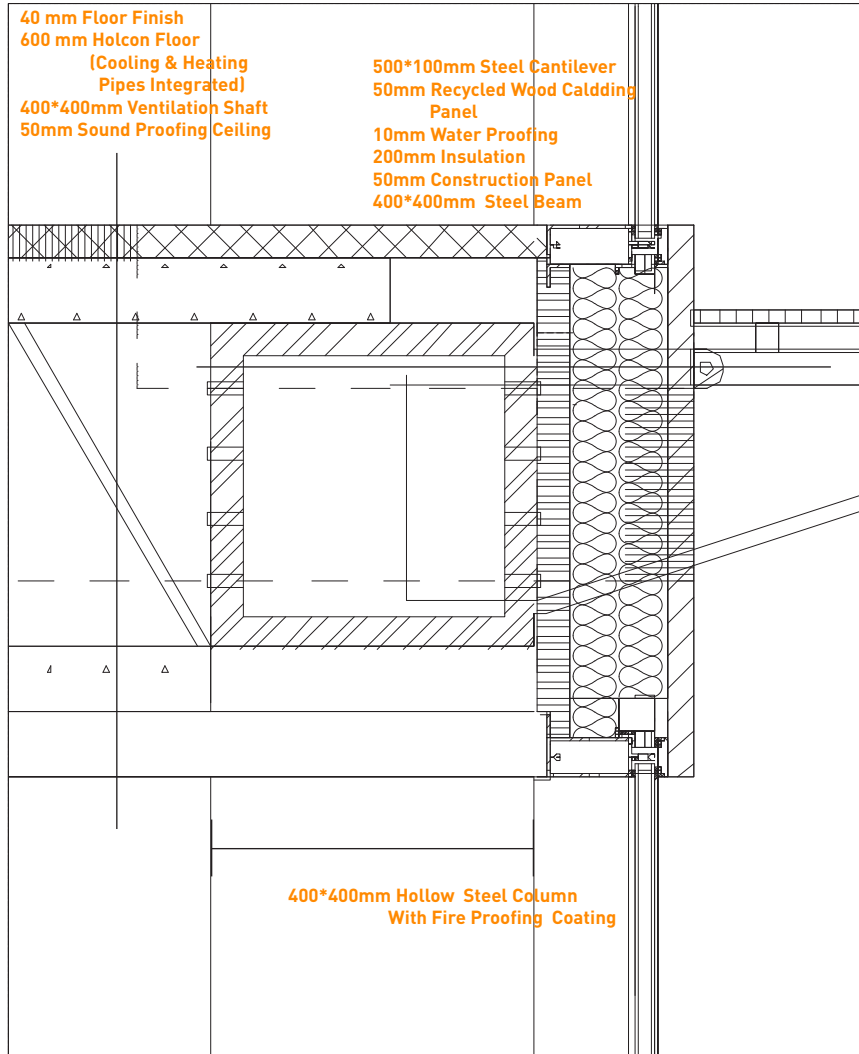


VERTICAL WOOD SUNSHADING WITH VINES

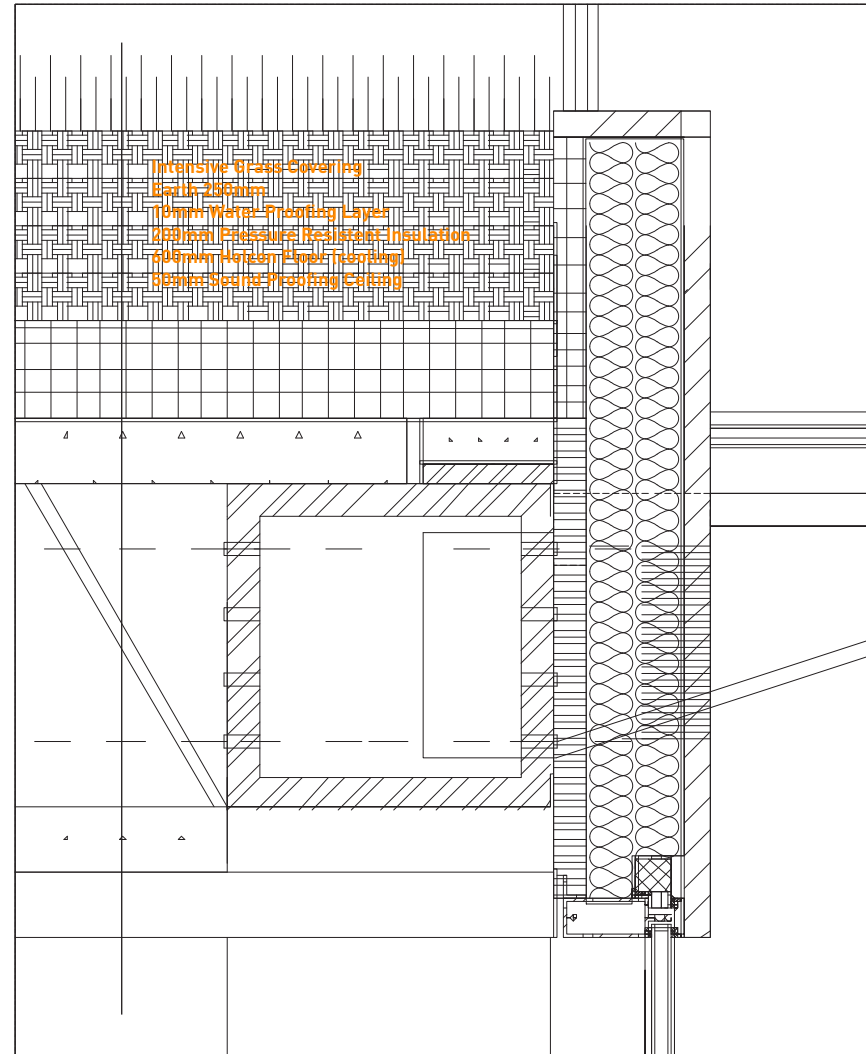


- MAINTENANCE: MEDIUM
- PLANT TYPE: VINE



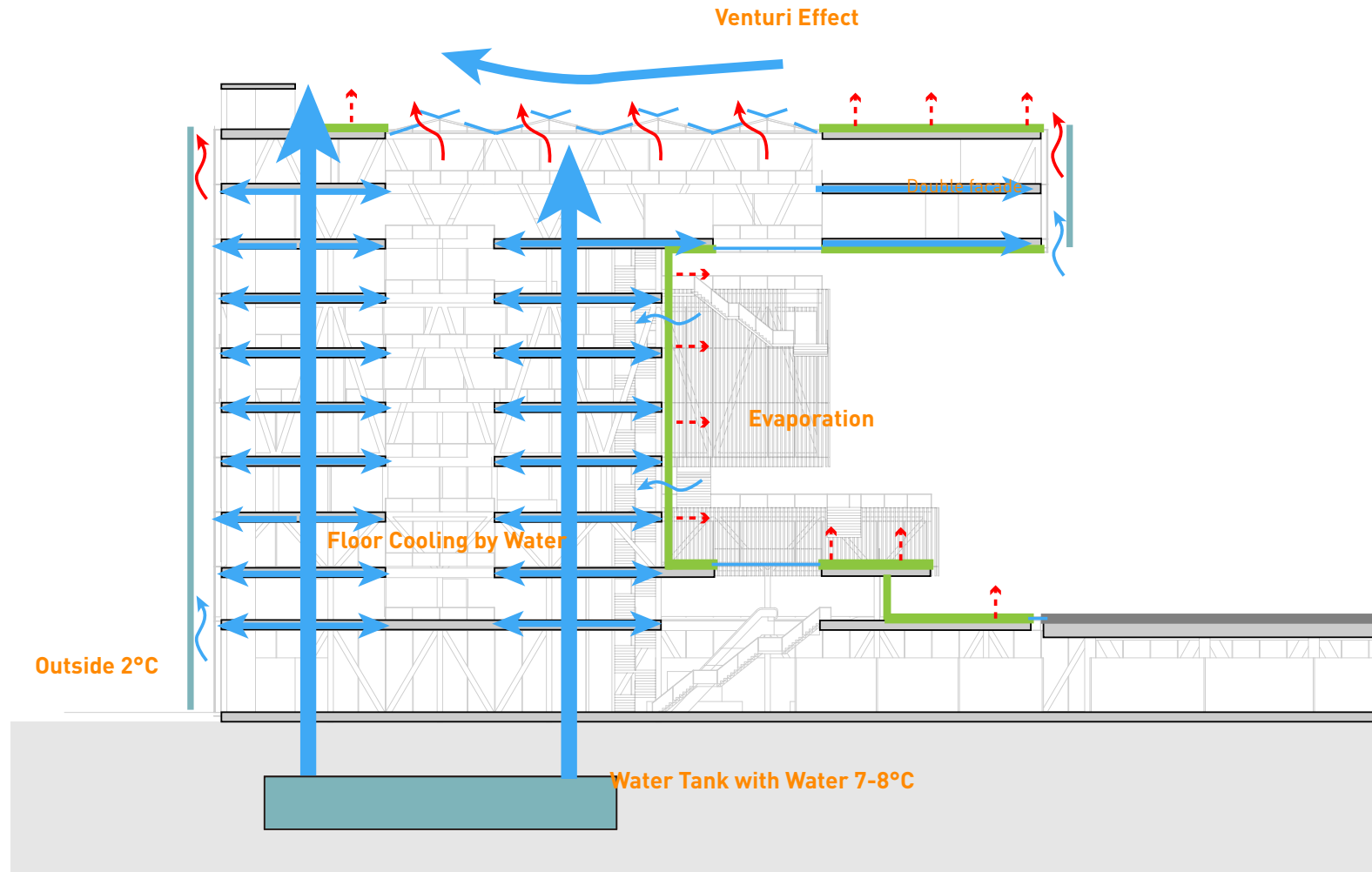


Detail A 1:5

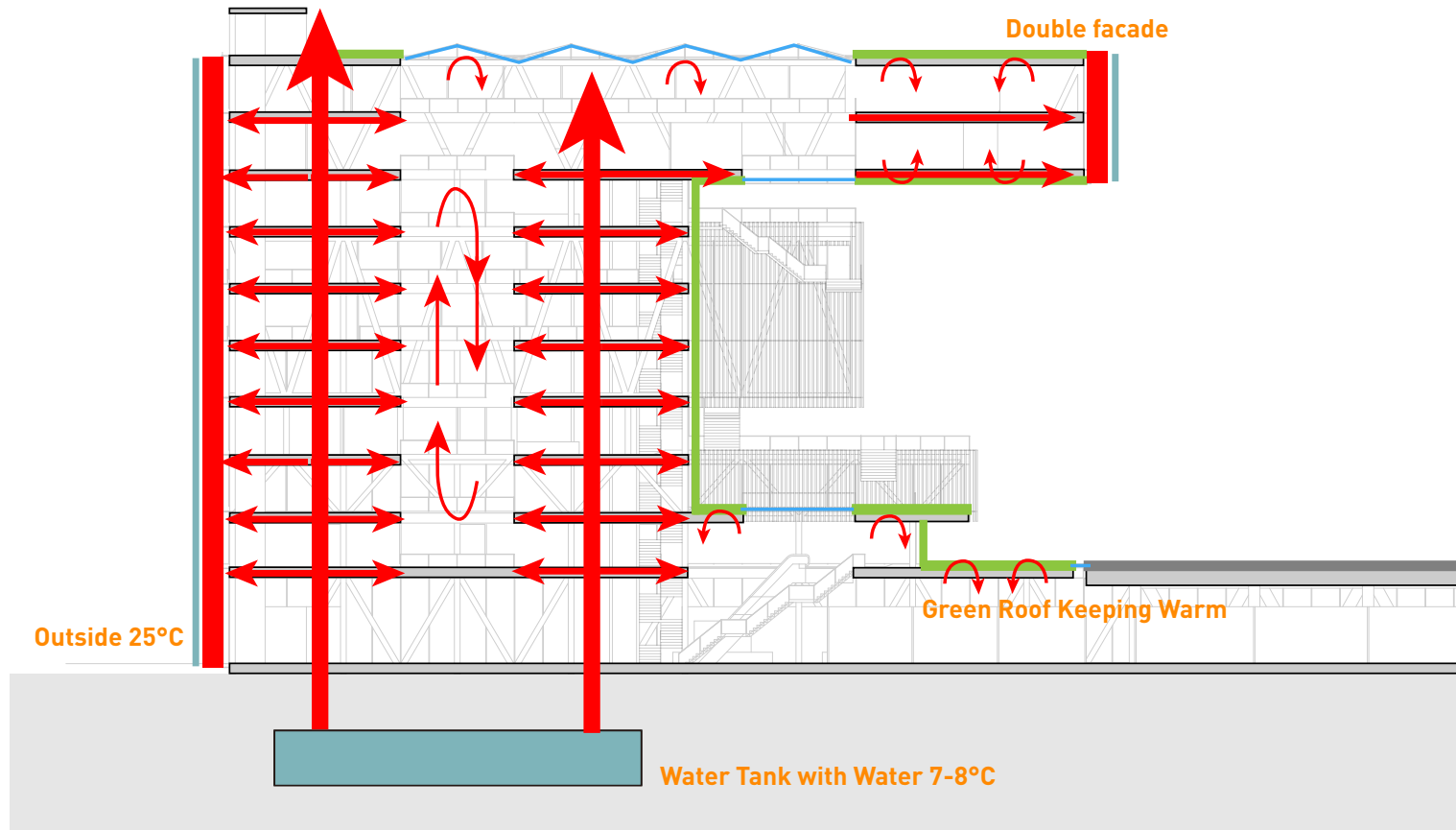


Detail B 1:5

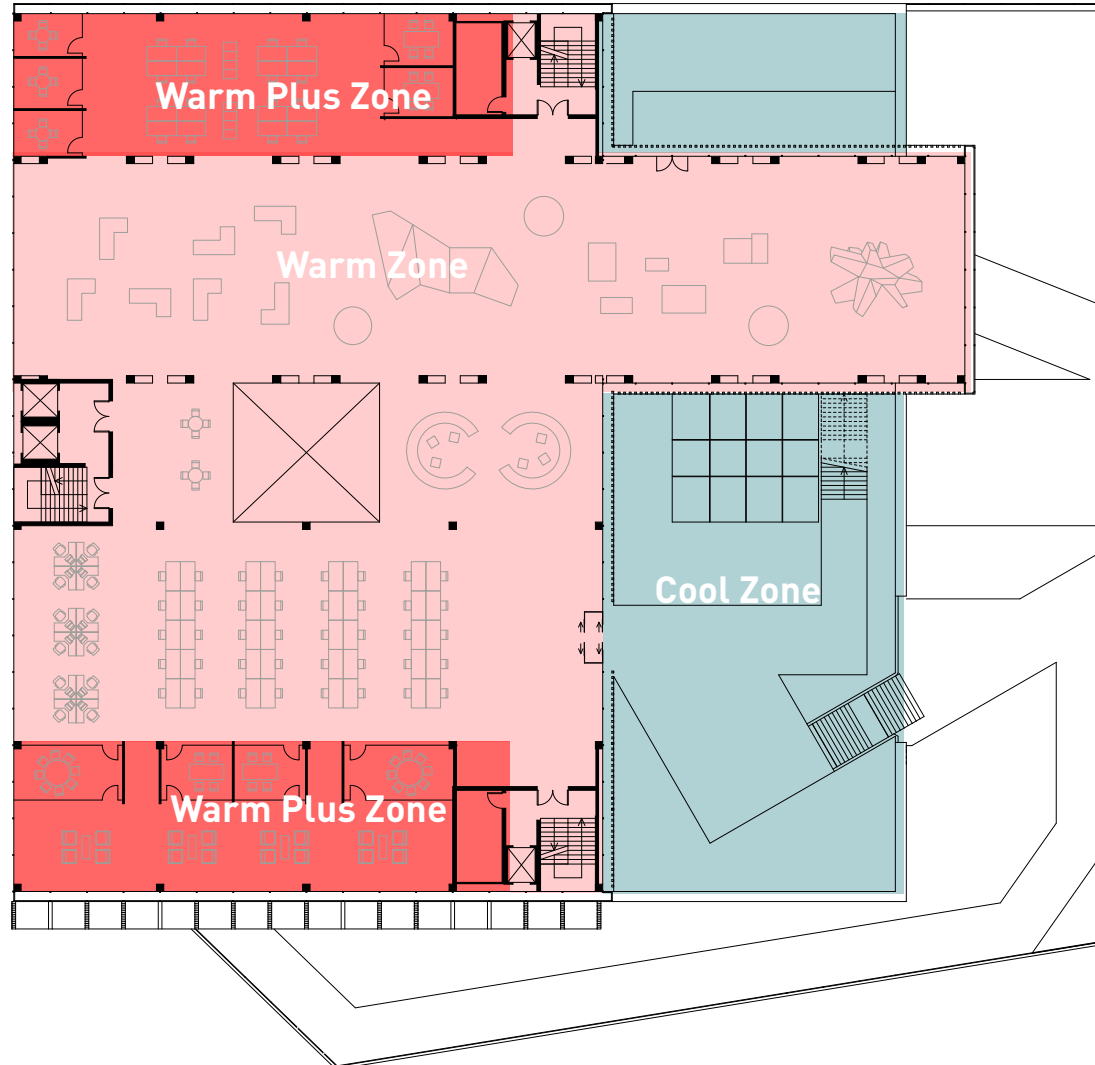
SUMMER STRATEGY



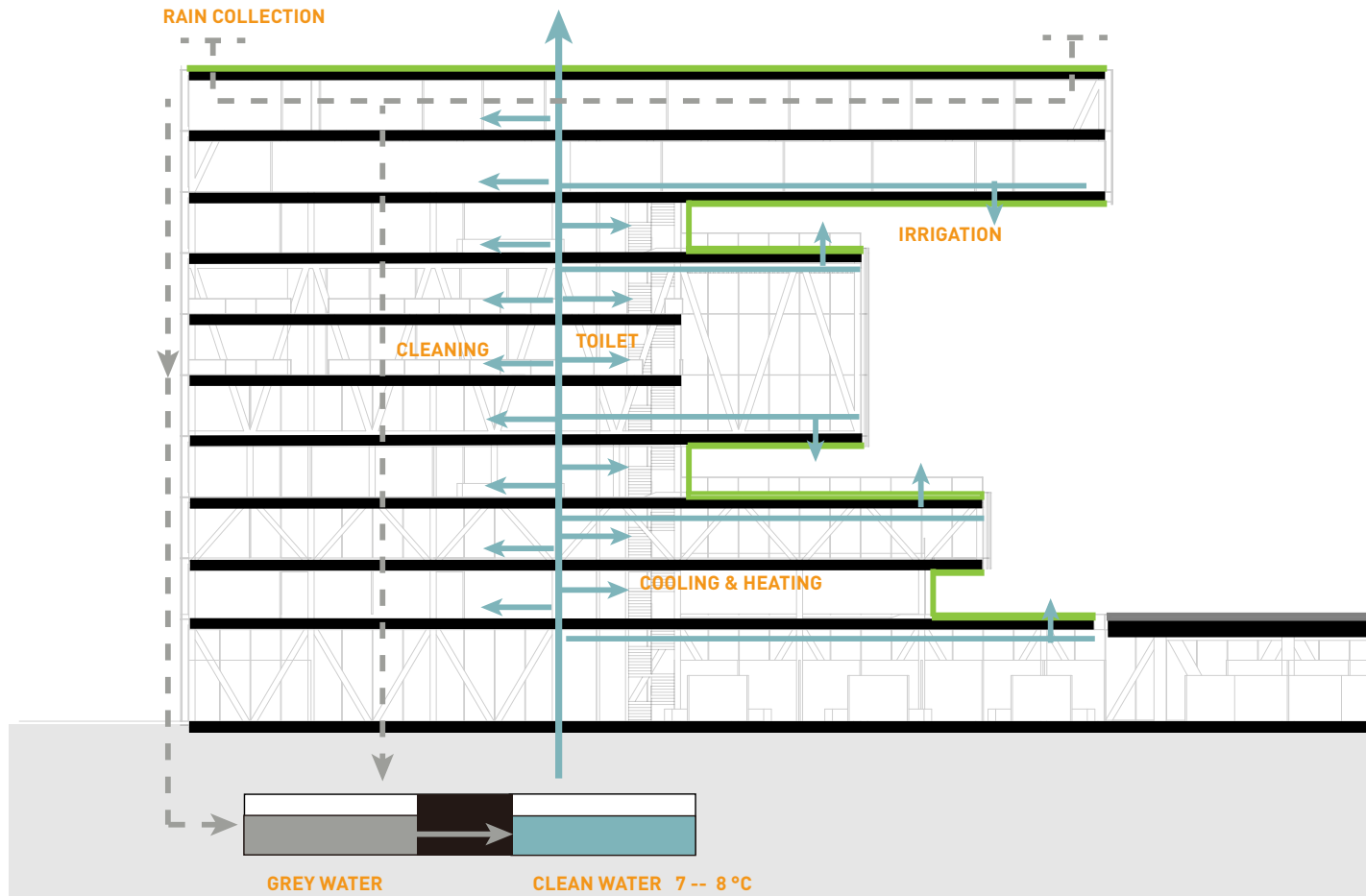
WINTER STRATEGY



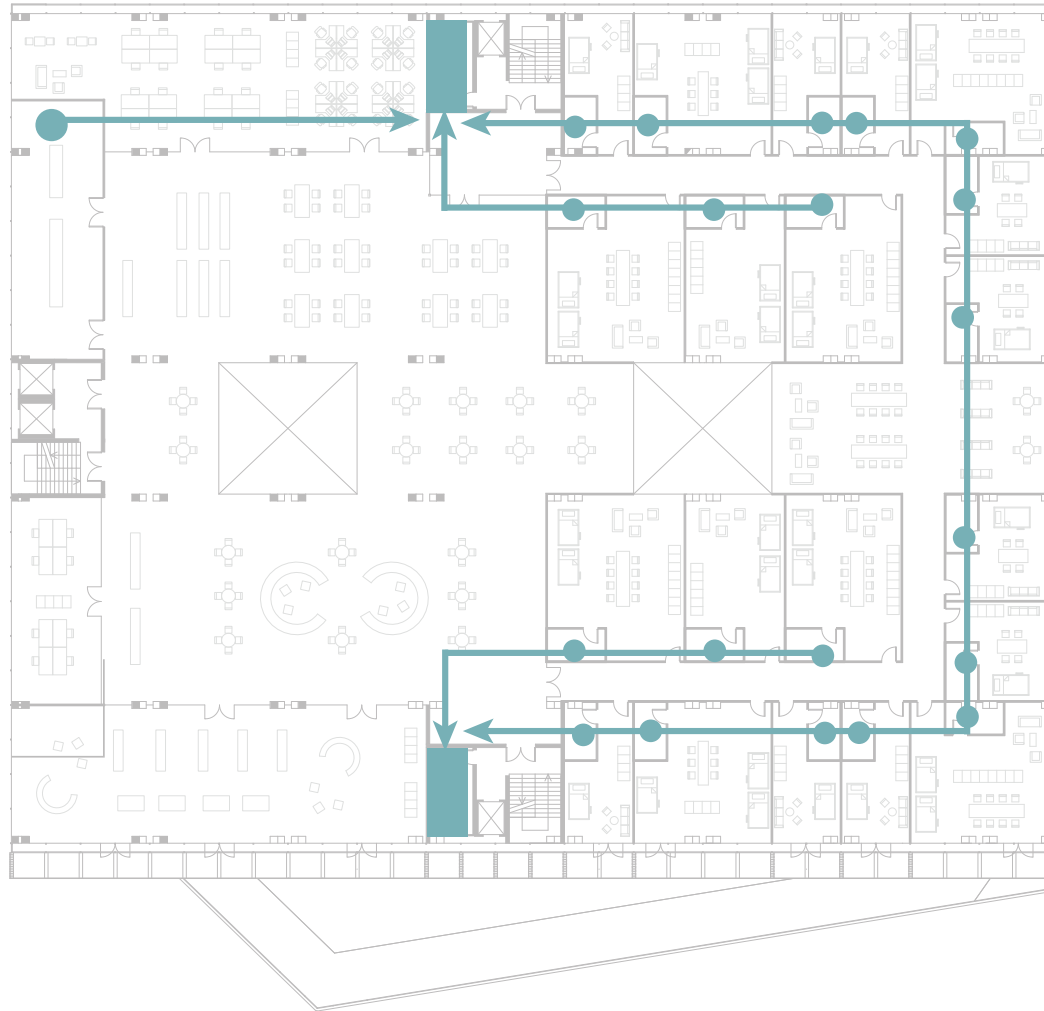
TEMPERATURE ZONES



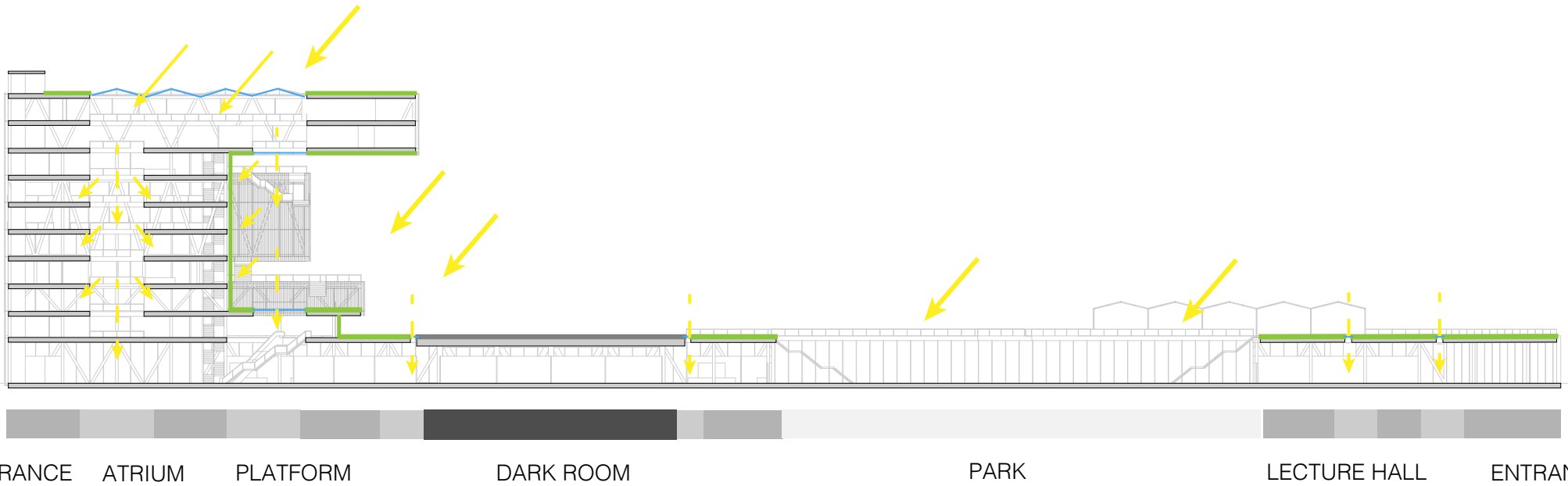
RAIN COLLECTION & WATER RECYCLE



SEWERAGE



DAYLIGHT





THANK YOU