SPACE FOR CHANGE

Inspiration lab as a
catalyst in the city

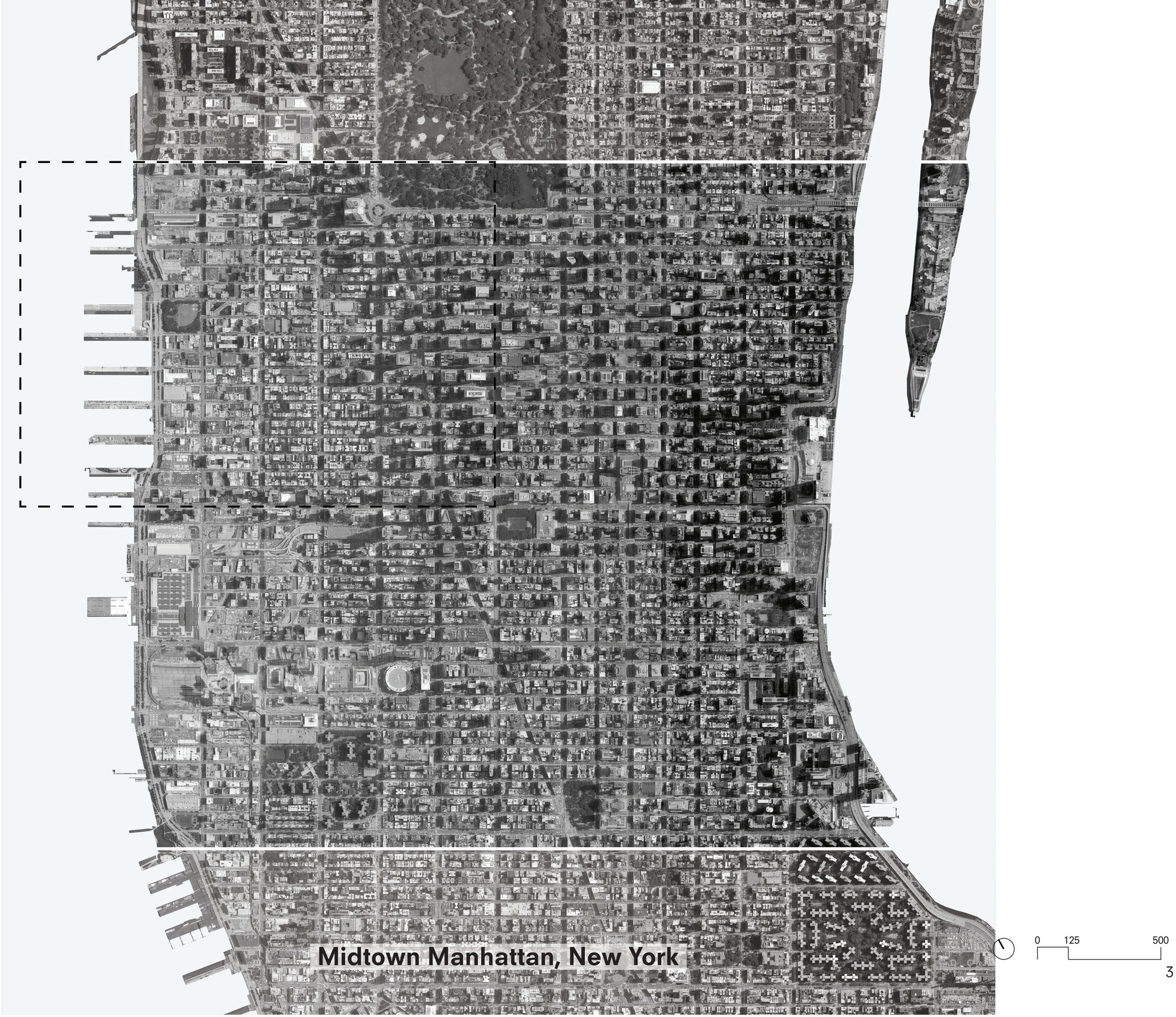
Floris Buijs
4443241

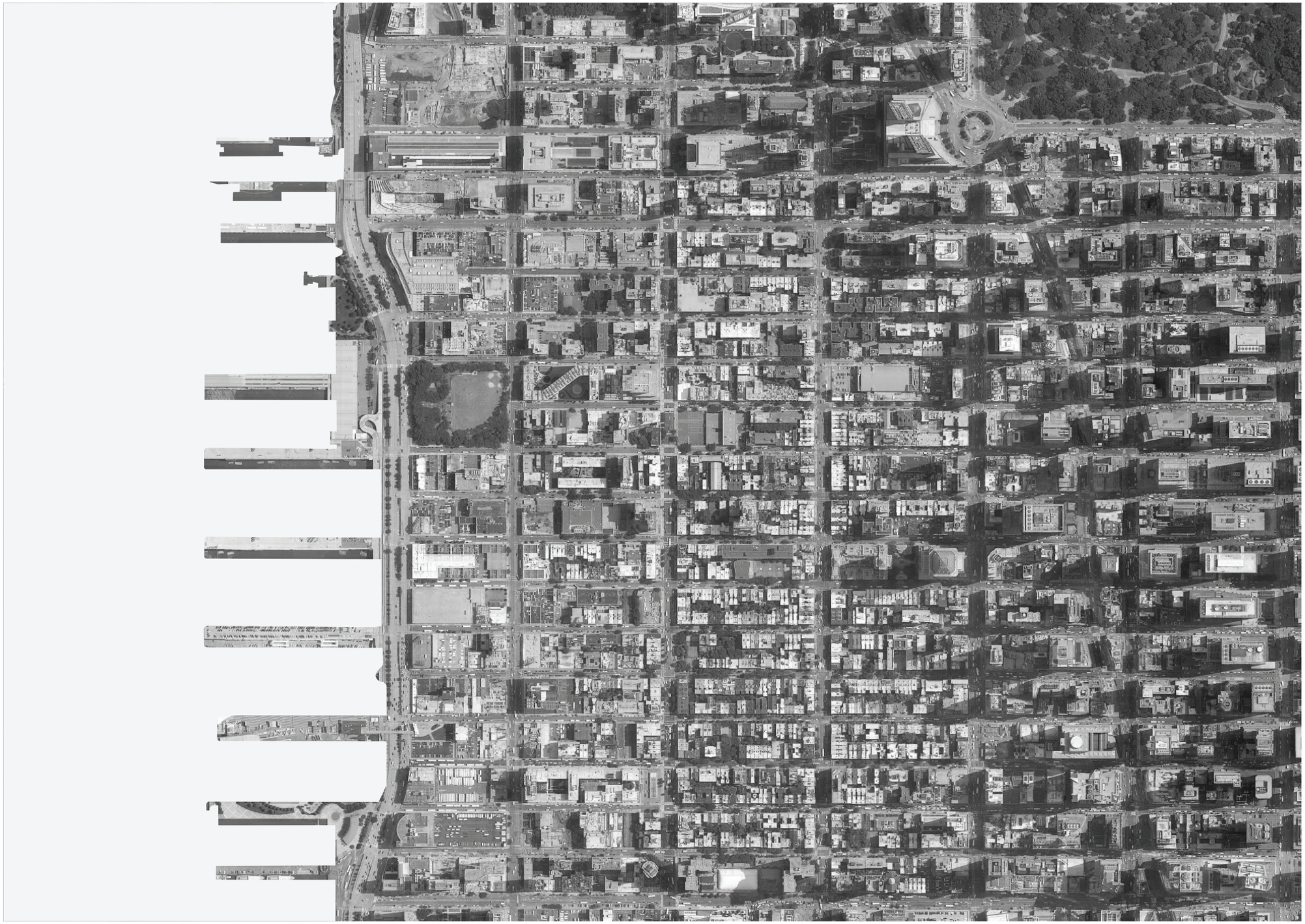
CP



Inspiration lab

Cultural hub for inspiration, learning, creating and meeting.


Midtown Manhattan, New York
0
125
500
3



Hell’s Kitchen

0 62.5 250





Obsolete functions


BEST CAR WASH IN NEW YORK SINCE 1947
ATM

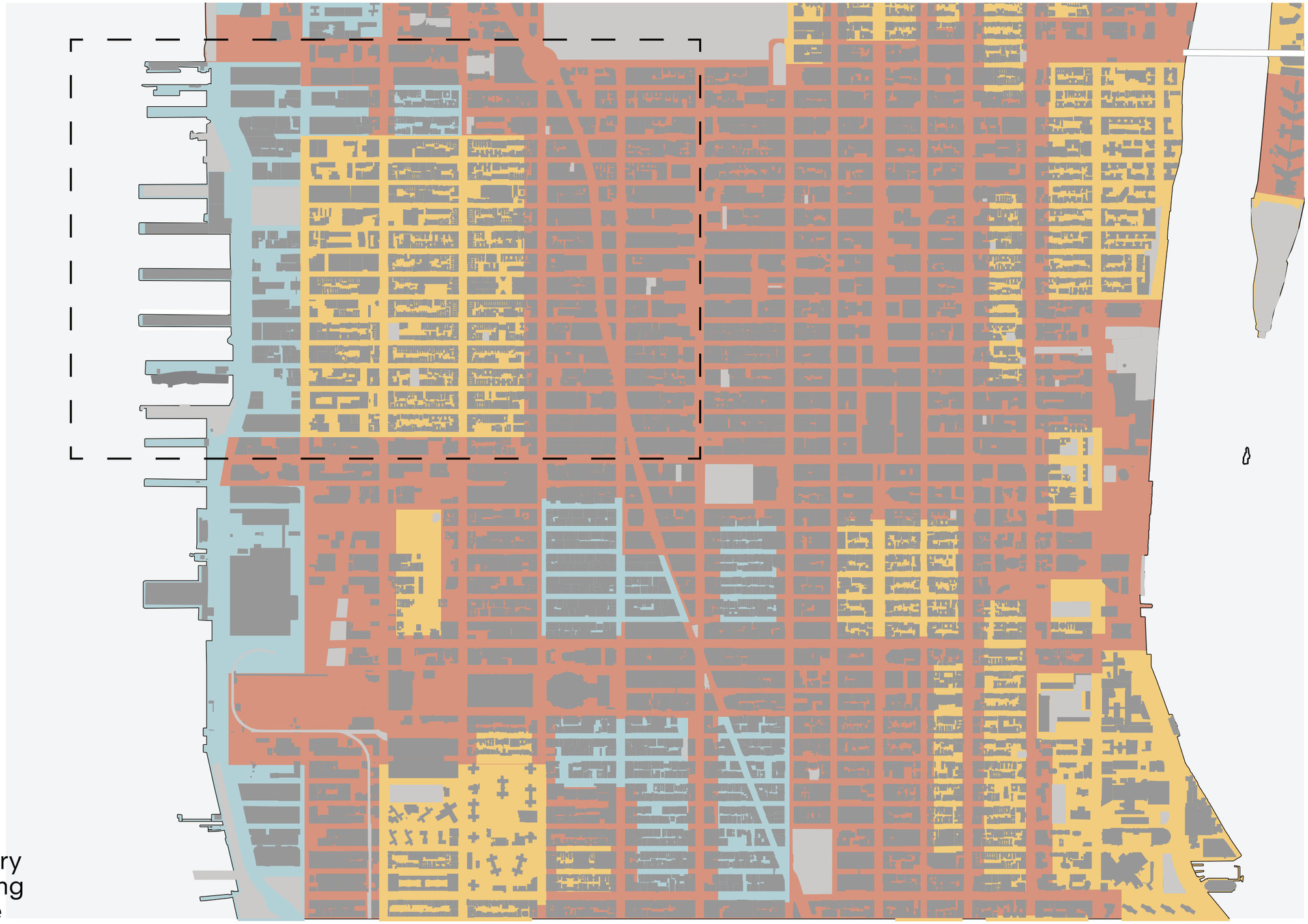

MetropolitanWest
CAR WASH
OPEN 24 HOURS
DONUTS & COFFEE
7AM-6PM
OPEN 24 HRS
NIGHT SPECIAL
TAXI & TLC
$8.00
DETAIL CENTER

Vacancy



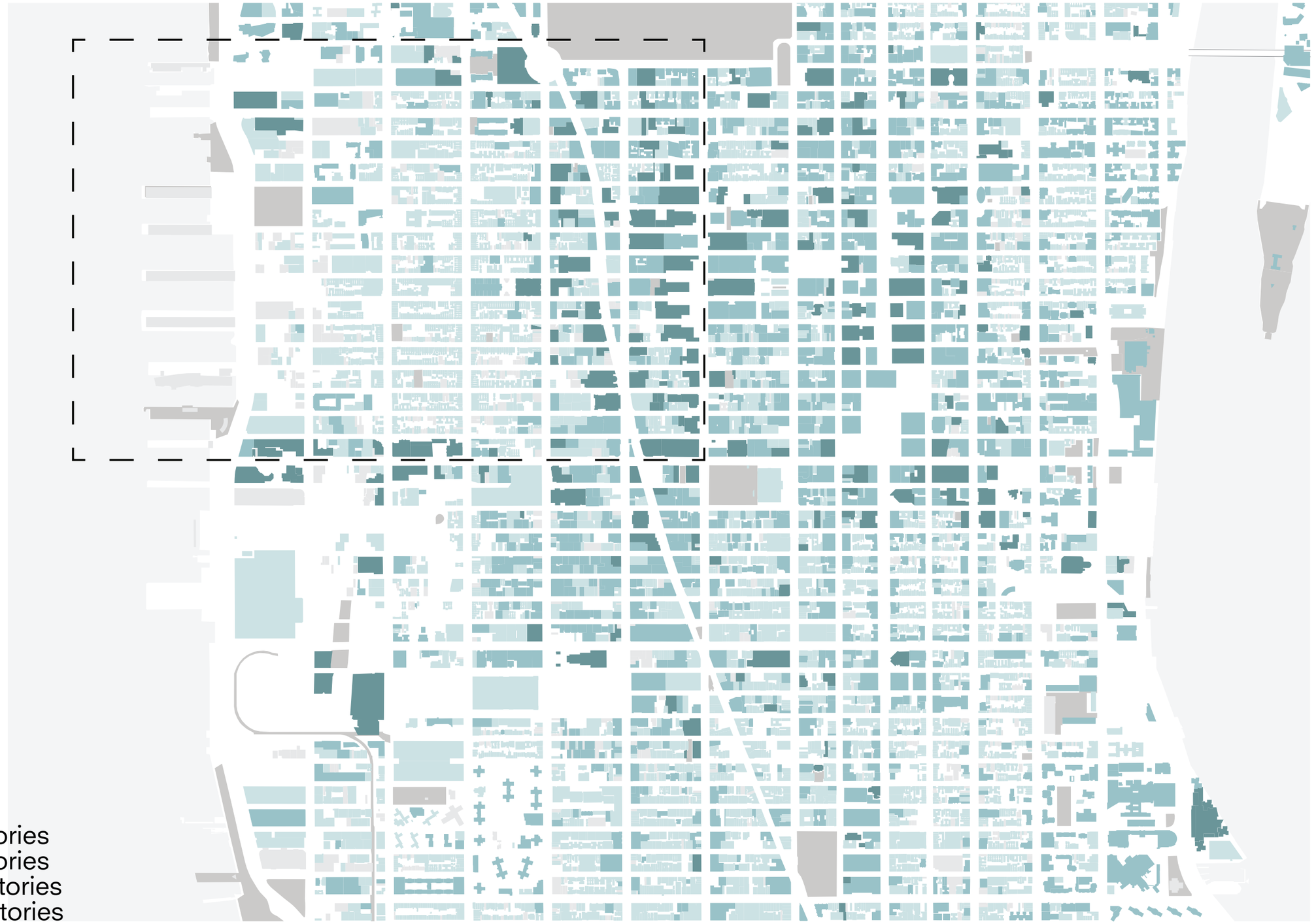


Infrastructural barriers



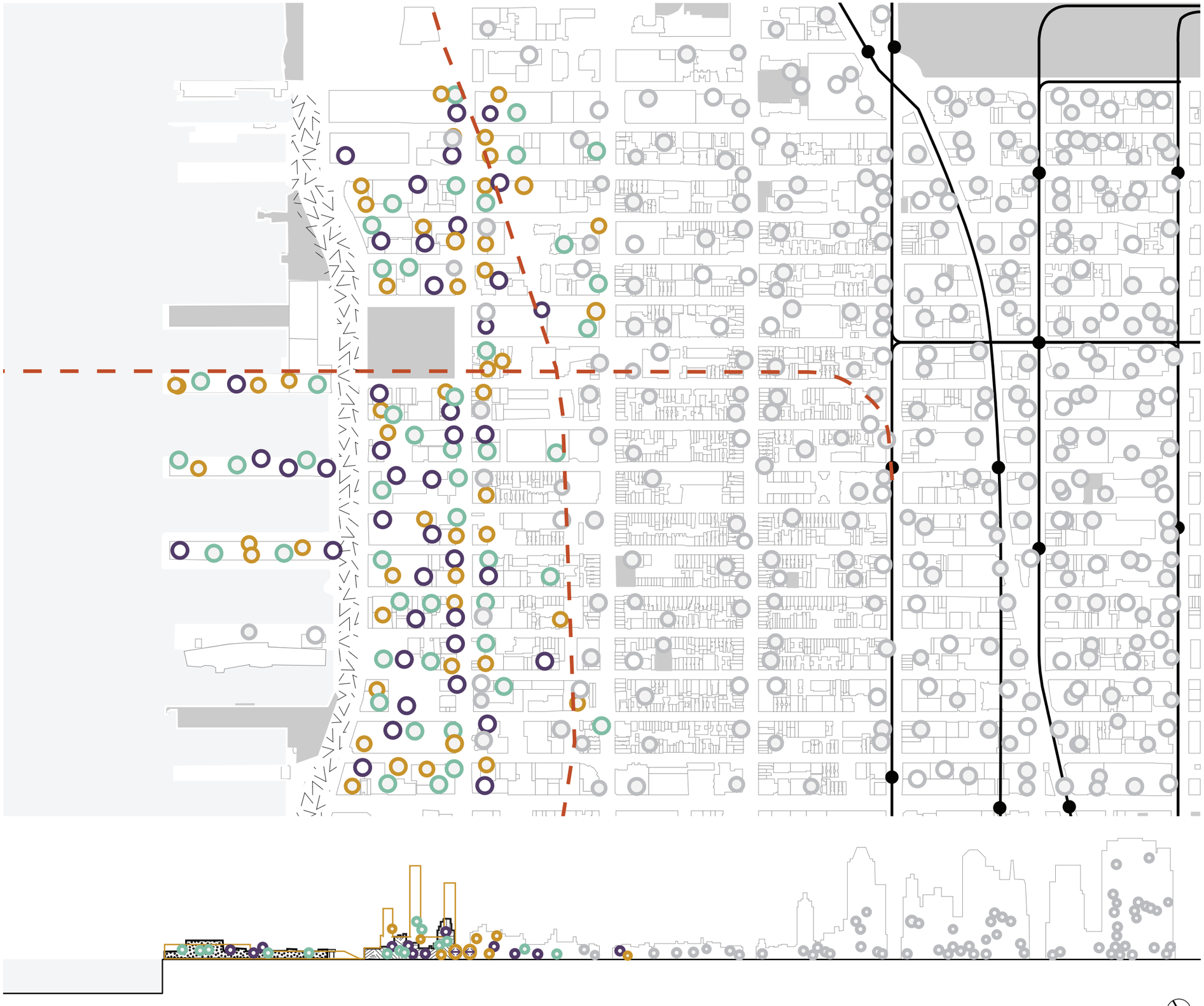
Zoning

Opportunity for a new type of neighborhood



Building height

0 125 500

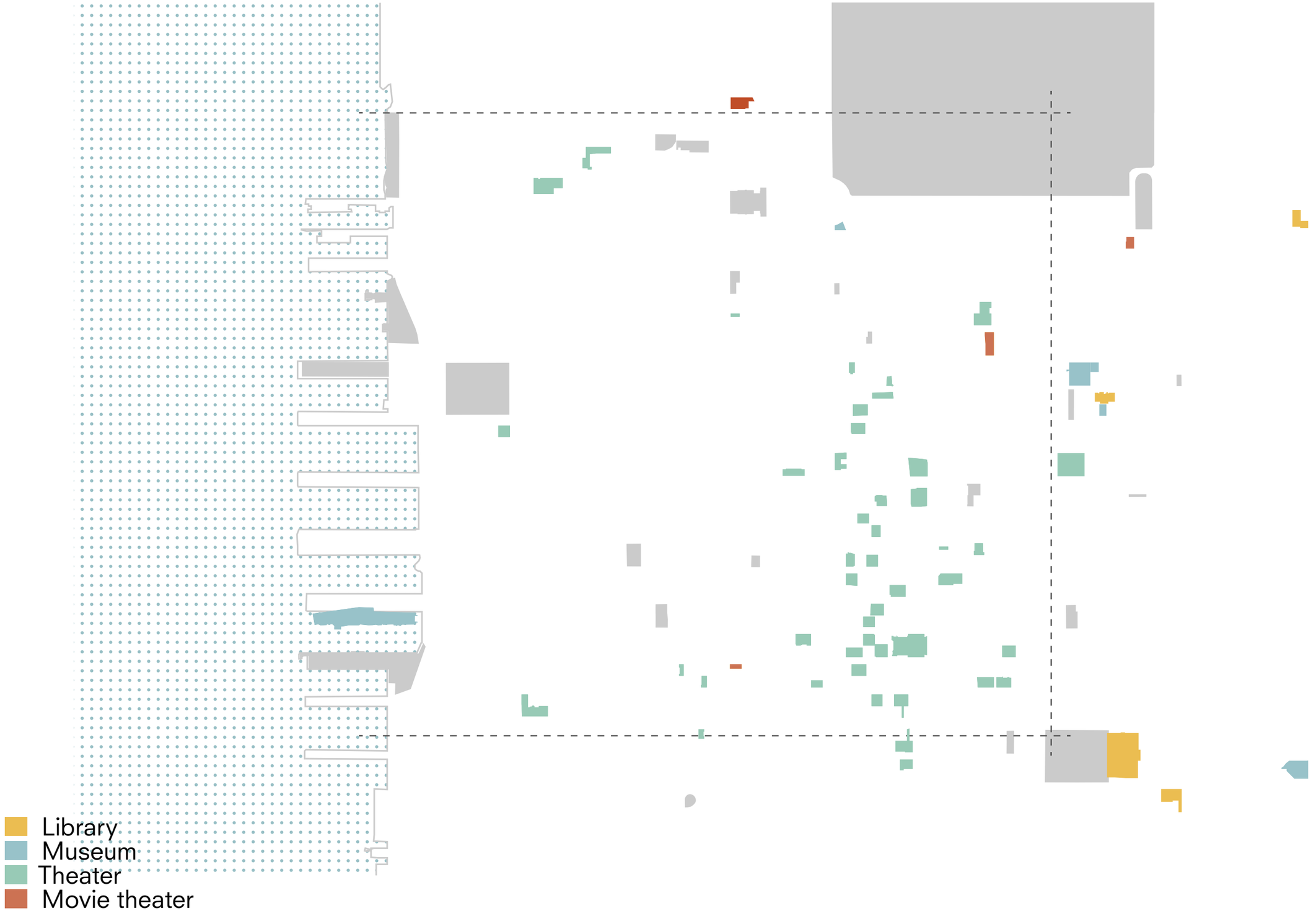


0 62.5 250

Inclusive densification

City that is able to respond to **new challenges** in sustainability, new types of working and transportation and a **local approach** to global issues such as rising water levels.

Cultural desert



Cultural institutions

0 62.5 250

How can a cultural hub be the catalyst to this new, inclusive development?

Culture can be used to the strengthen the **community identity** and **revitalize** disadvantaged neighborhoods by creating **access and participation**.

(Grodach & Loukaitou-Sideris, 2007)


THE NEW YORK PUBLIC LIBRARY
Fifth Ave
ONE WAY
MADE @ NYPL
FREE EXHIBITION



Bottom up approach

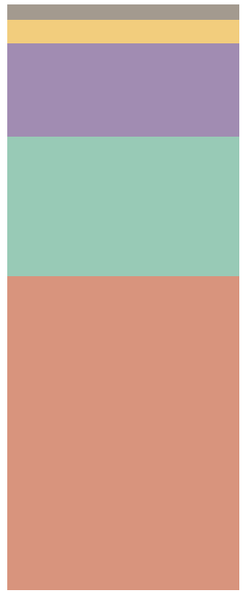


Traditionally, libraries have been the **repositories** of **print materials**.

(Burrell & Coleman, 2005)

Stephen A. Schwarzman Building - 1911

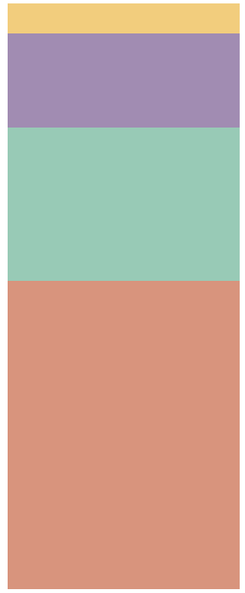




Exposition - 3 %
Entrance - 4%
Reading rooms - 16%
Service/office - 24%
Book storage - 54%

Yorkville library - 1902

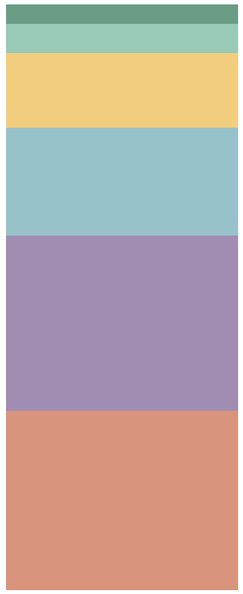




Entrance - 5%
Reading area - 16%
Service/office - 26%
Book storage - 52%

Hunters Point Library - 2019





Office - 3%
Services - 5%
Auditorium - 18%
Reading space - 30%
Book storage - 30%

Traditional library New York



Activating the waterfront



Promote equal acces and reduce divide



Inspire people to interact and share knowledge

Ambitions of project

“How can a new type of inspiration lab bring people together and spark an all-inclusive redevelopment in the post-industrial waterfront of Midtown New York?”

Research question

Inspiration lab


Home
Live, sleep and relate to family
Work
Earn living and interact with co-workers
3rd Place
Choose to hang out, relax and enjoy time (coffee shop, bar)

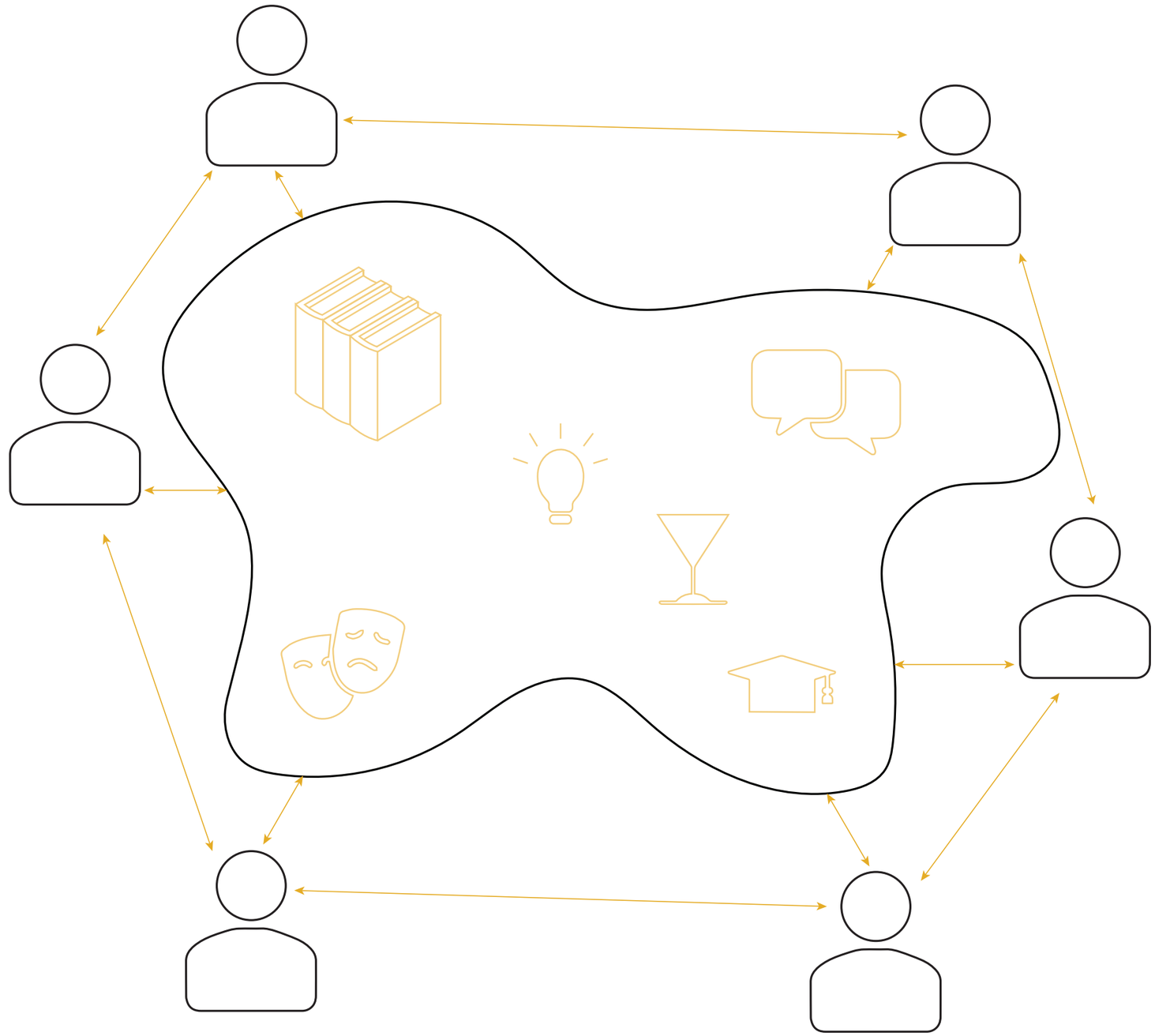
A “**learning commons** brings together the functions of libraries, labs, lounges, and seminar areas in single community **gathering place**”.

(Lippincott & Greenwell, 2011, P.1)



Library in a knowledge society

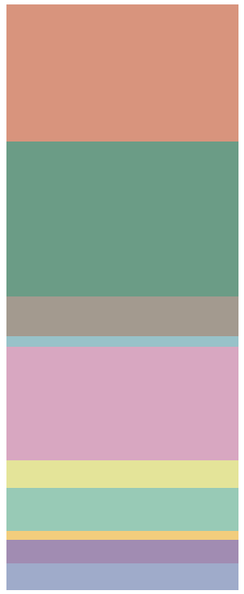
(Jochumsen, Skot-Hansen, Hvenegaard, 2010)



Connecting people

Rozet Arnhem - 2013

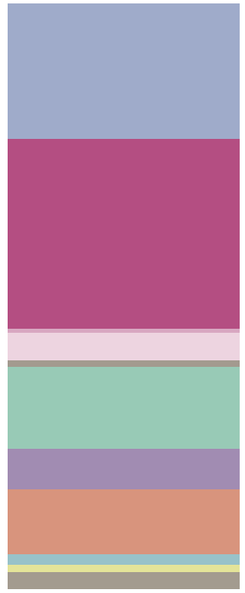




Library - 23%
Service - 26%
Exposition - 7%
Auditorium - 2%
School - 19%
Cafe - 5%
Offices - 7%
Entrance - 2%
Study space - 4%
Balcony - 5%

Dokk1 Aarhus - 2015

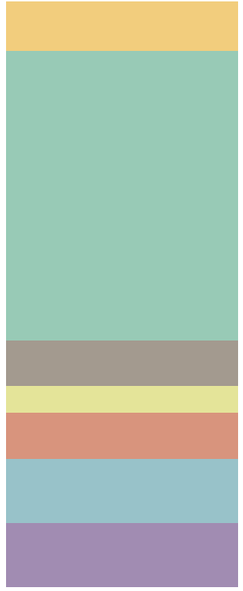




Outside area - 18%
Rentable office - 45%
Makerspace - 0.6%
Child area - 3%
Exposition - 1%
Office - 11%
Study/reading area - 6%
Library - 9%
Meeting room - 1%
Cafe - 1%
Government office - 2%

LocHal Tilburg - 2019





Entrance - 8%
Offices - 49%
Exposition - 8%
Cafe - 5%
Book storage - 8%
Meeting rooms - 11%
Study/reading area - 11%







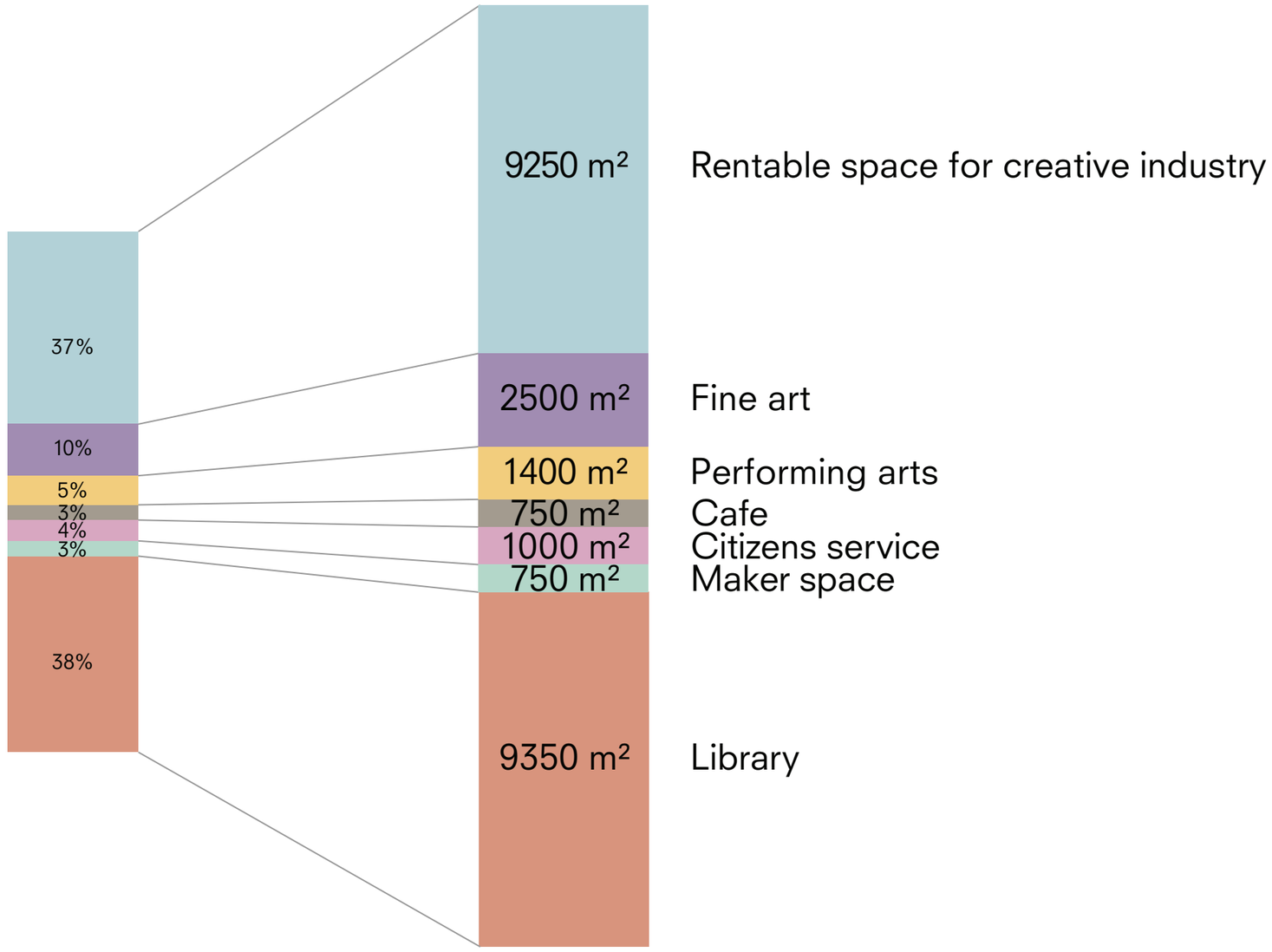
Trend for “libraries” is to become more **inclusive, interactive** and **open.**







A more diverse **mix of functions** has the capacity to draw in more and a more **diverse group of visitors**.

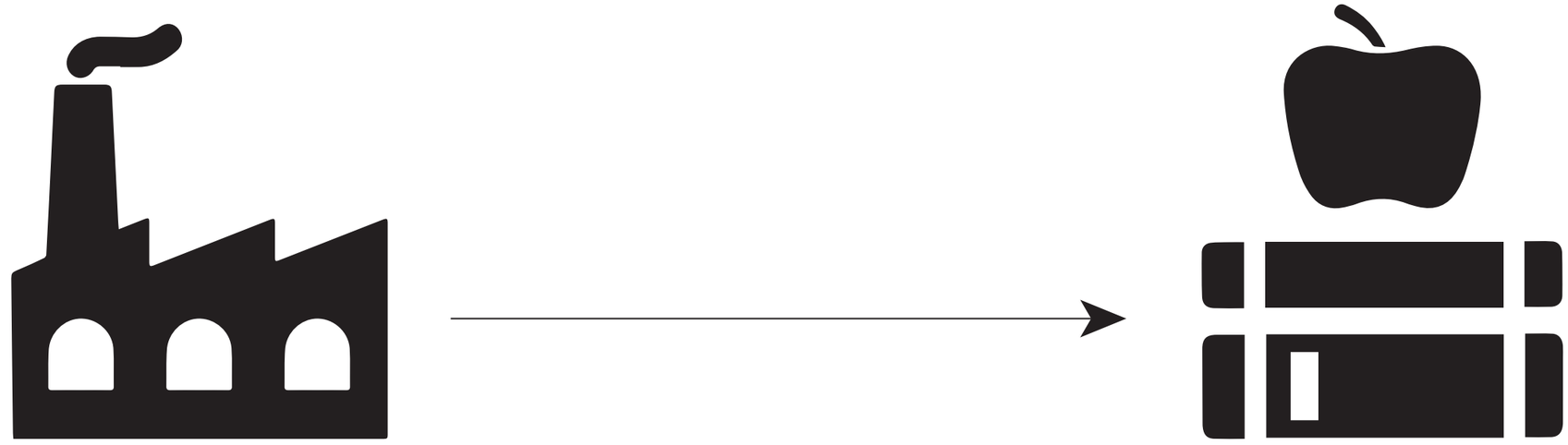

37%
10%
5%
3%
4%
3%
38%
9250 m²
Rentable space for creative industry
2500 m²
Fine art
1400 m²
Performing arts
750 m²
Cafe
1000 m²
Citizens service
750 m²
Maker space
9350 m²
Library

Program bar

Location







Manufacturing society

Knowledge society

Significance of location

DeWitt Clinton Park

W 52nd Street

Manhattan Cruise Terminal

W 51st Street

W 50th Street

W 49th Street

27 m

W 48th Street

320 m

Preservation area

W 47th Street

Green Hill

W 46th Street

USS Intrepid Museum

W 45th Street

12th Avenue

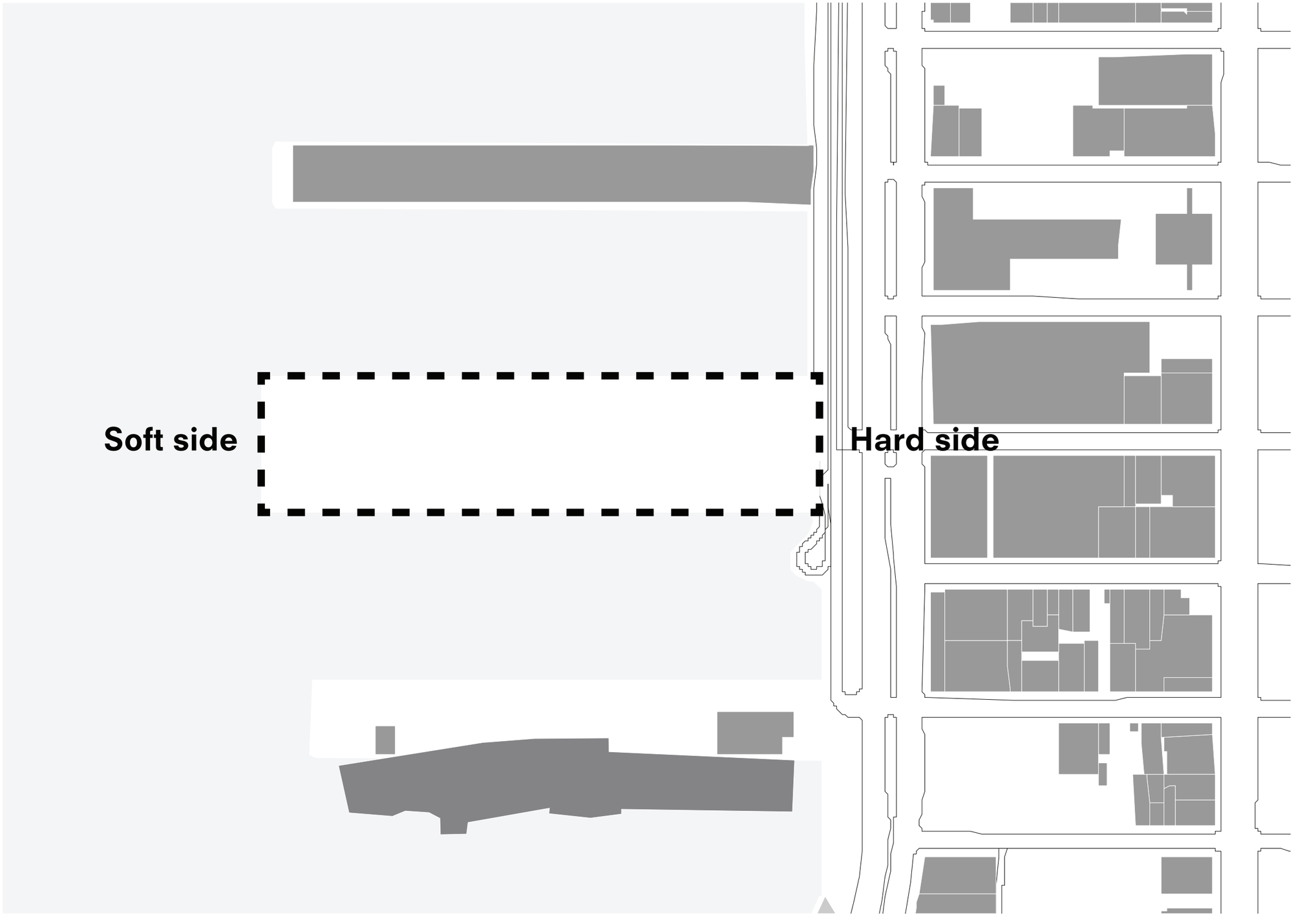
11th Avenue

10th Avenue

W 44th Street

Hudson River Park

W 43rd Street


Soft side
Hard side



Soft side river



Soft side park

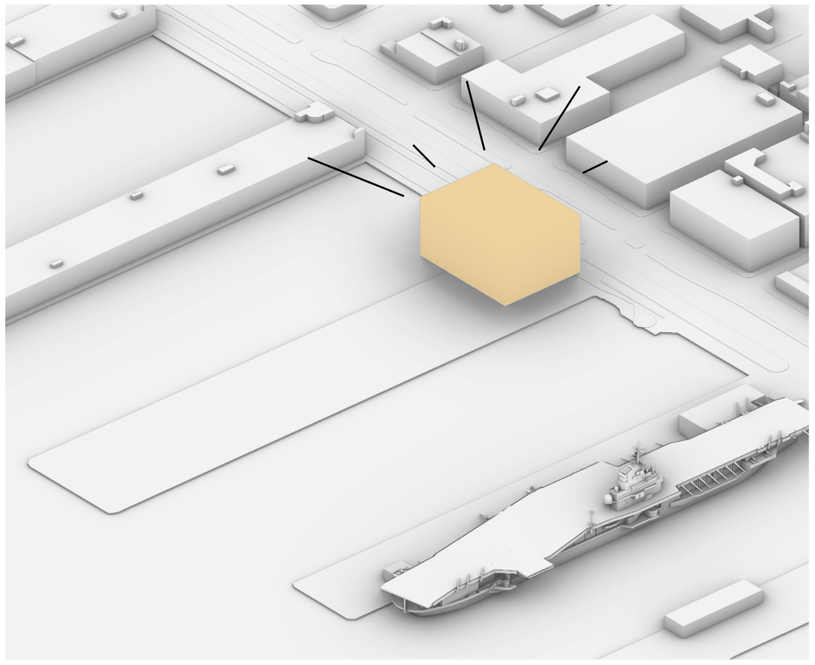


Hard side highrise buildings

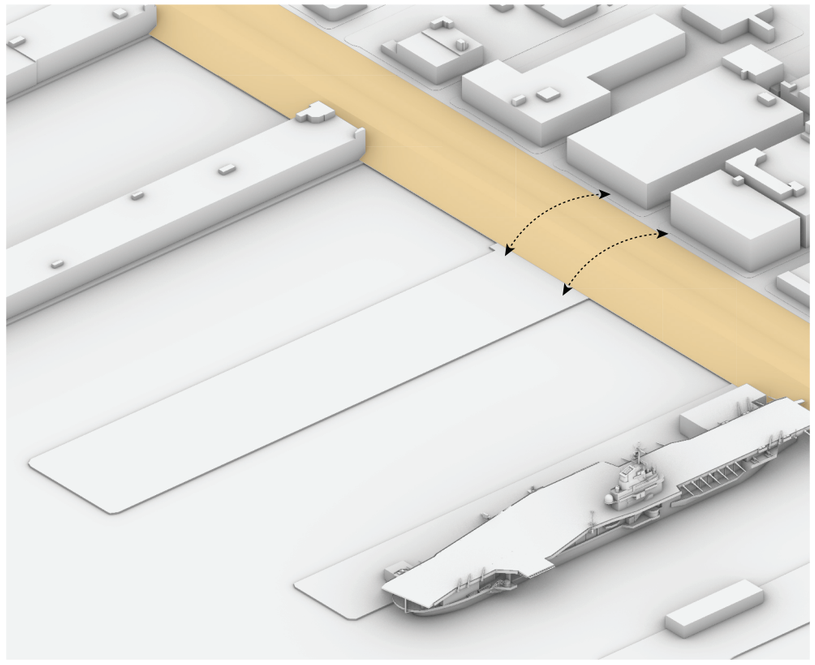


Hard side busy highway

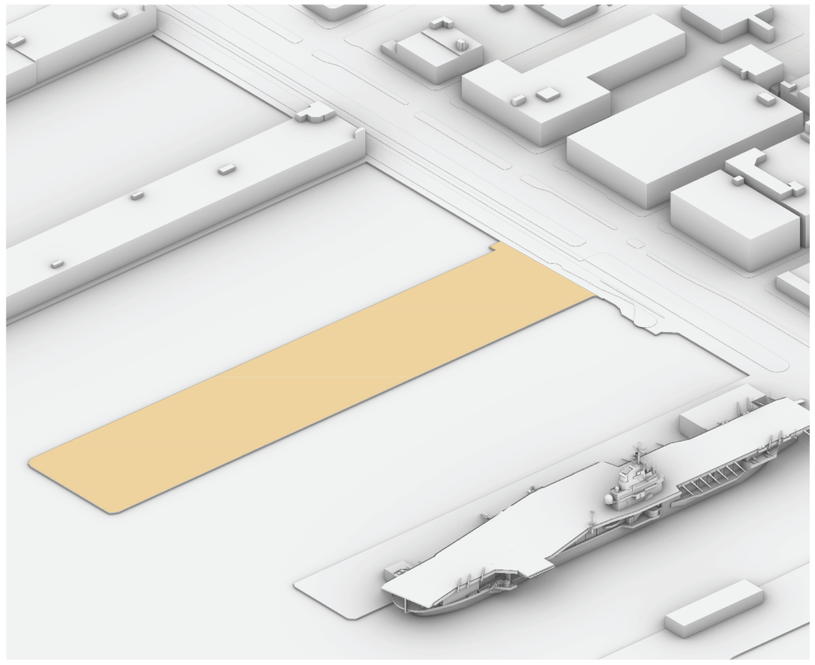
Space for change



Beacon on the pier

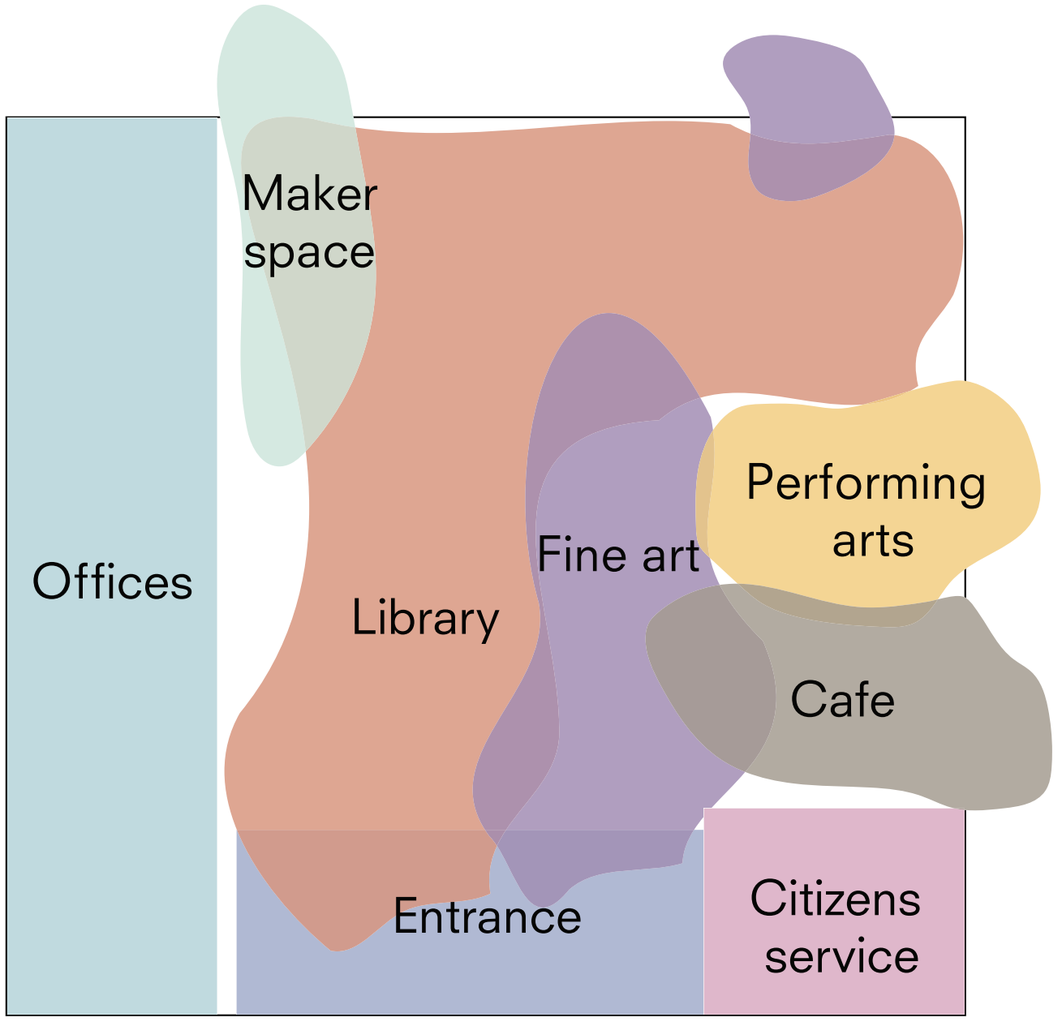


Overcoming the highway



Public park

Intentions based on urban conditions



Flexibility and fluidity in program changing needs

No windows
Quiet space

Meeting rooms

Meeting

Making area

Private
View to outside
Lot of daylight

Staff area

Staff area

Kitchen/bar

View to outside
Lot of daylight

Child area

Experimenting rooms

Public area

View to outside
Lot of daylight
Acces to outside

Reading/study area

Event space

Ateliers

Semi-public
View to outside
Lot of daylight

Classrooms

Private office

Co-working

No daylight

Exposition

Theaters

Ateliers

Experimenting rooms

View to outside
Lot of daylight
Exposure

Exposition

Ateliers

Making area

Seating

Open area

Books

Open space

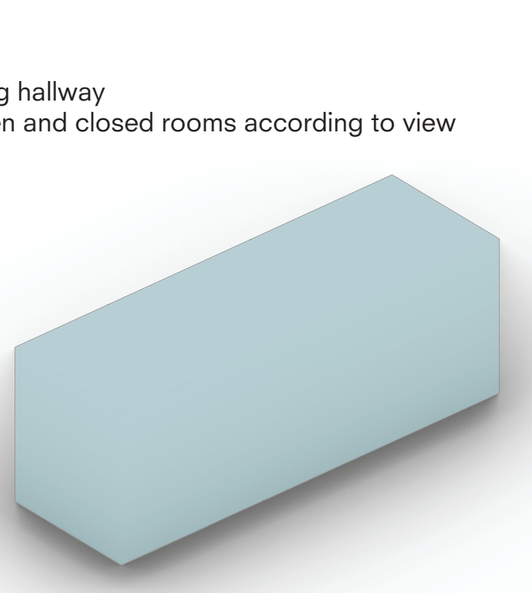
Practice area

Canteen

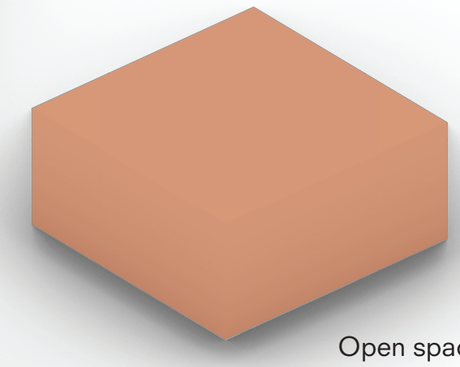
Spatial characteristics are leading

Open floorplan
- View to entire surrounding
- Quiet work / study places

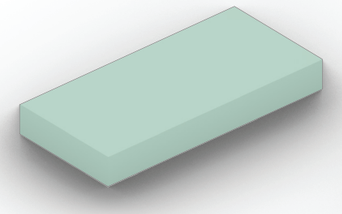
Rooms along hallway
- Open and closed rooms according to view



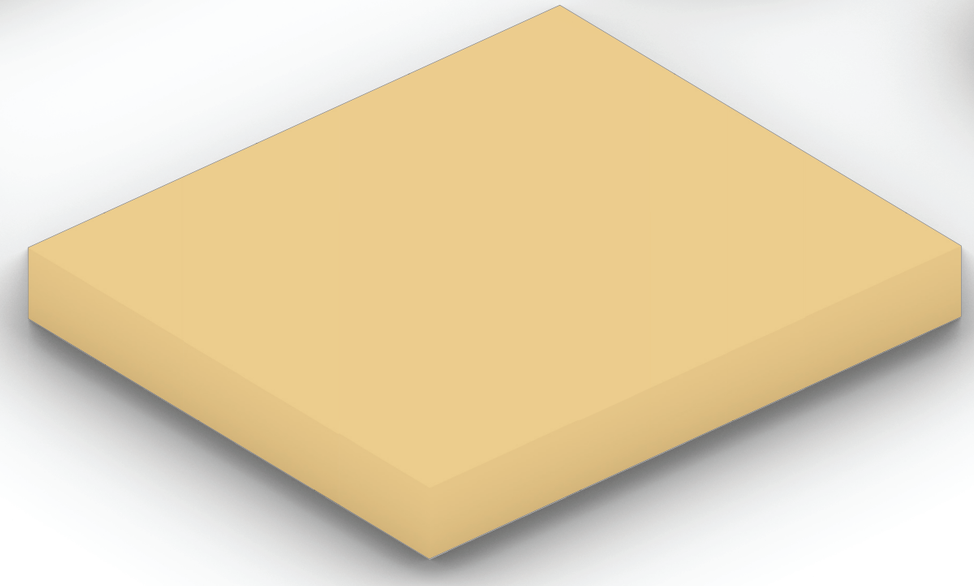




Open space around closed core
- View over the dike



Open floorplan
- Relationship with the garden



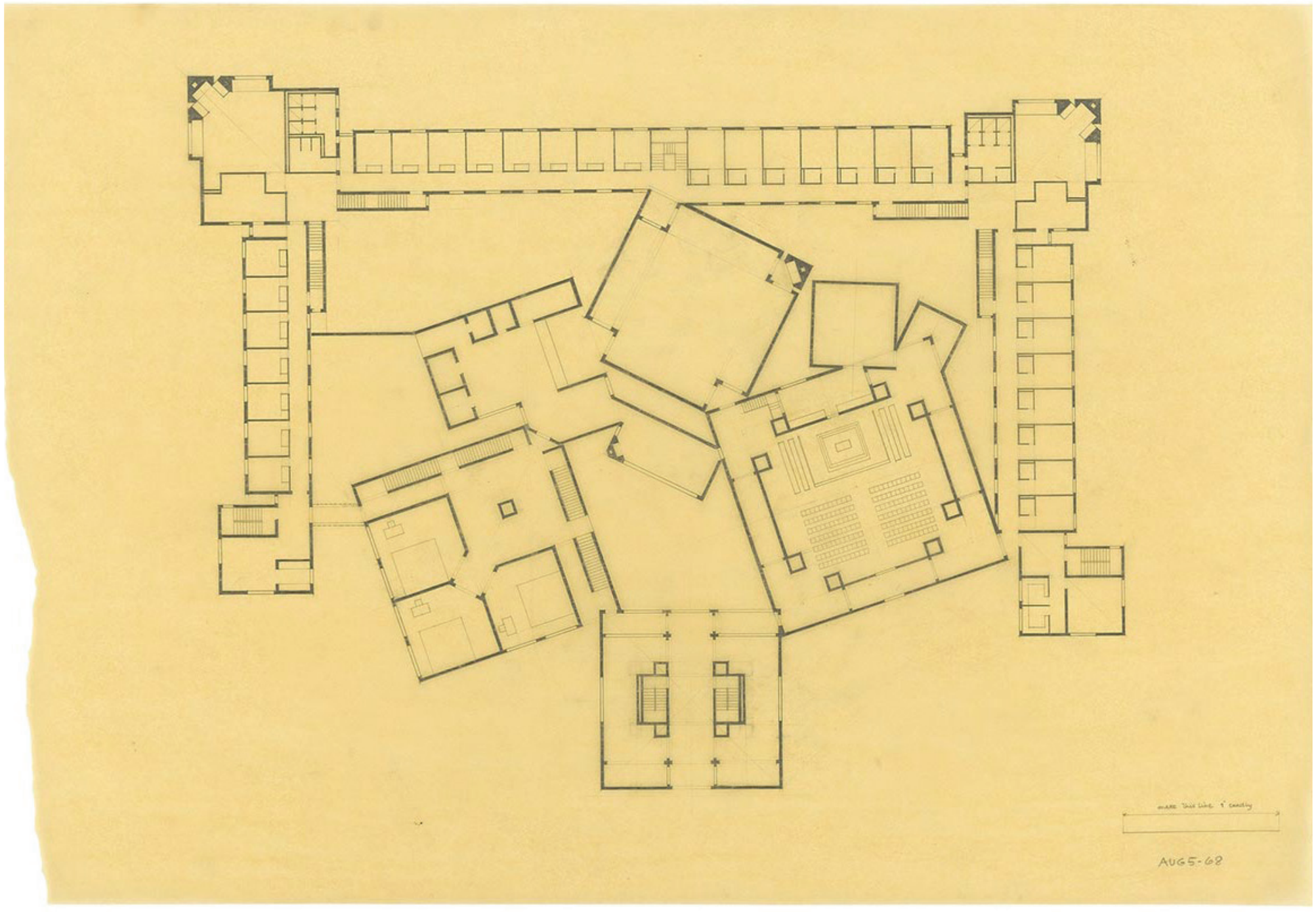
Open floorplan
- Flexible and fluid program
- Urban public plaza

Fragmentation of the building based on characteristics



Dominican Motherhouse - Louis Kahn

Fragmentation creates seperate buildings with connected program

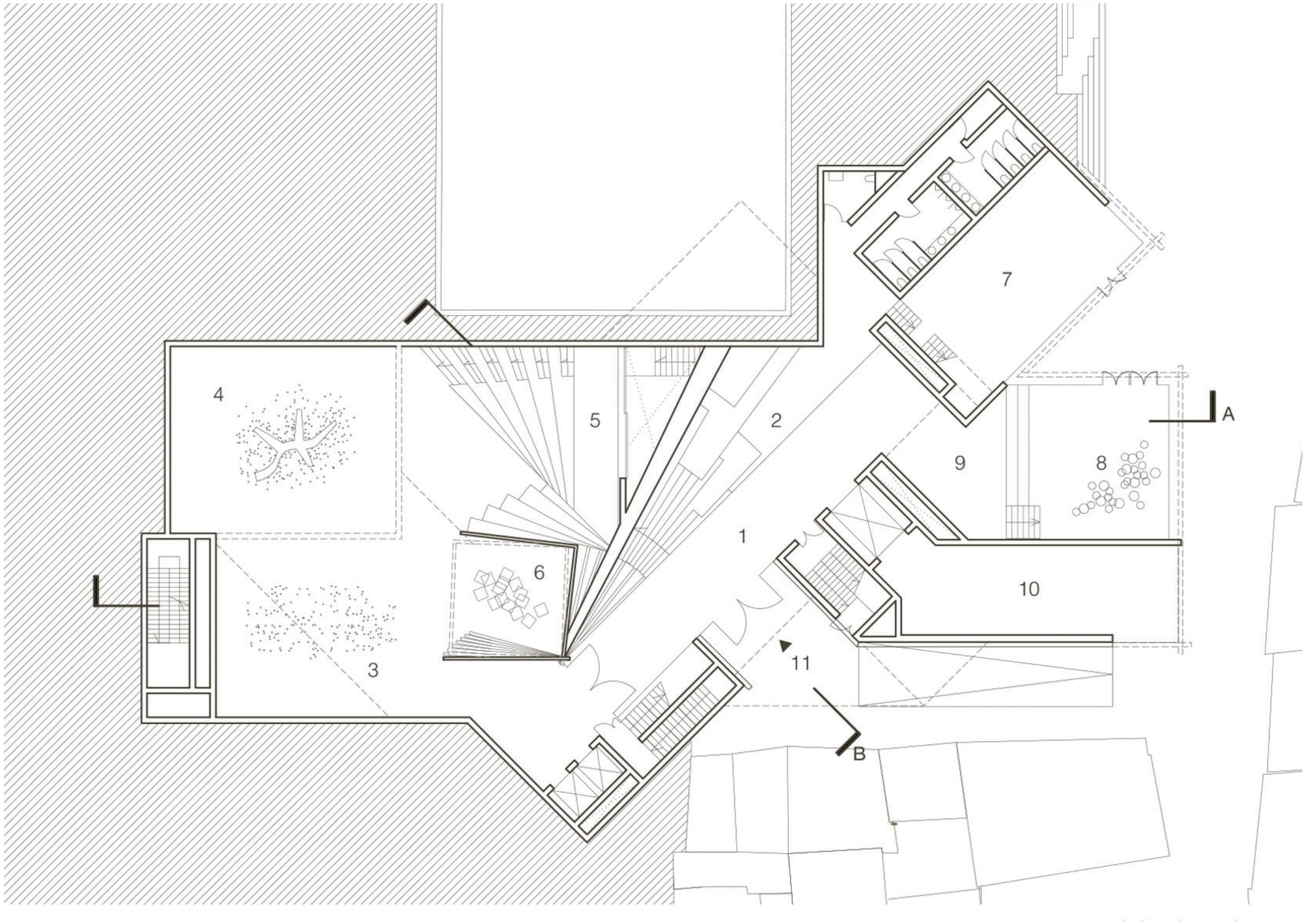


Each building designated to specific program

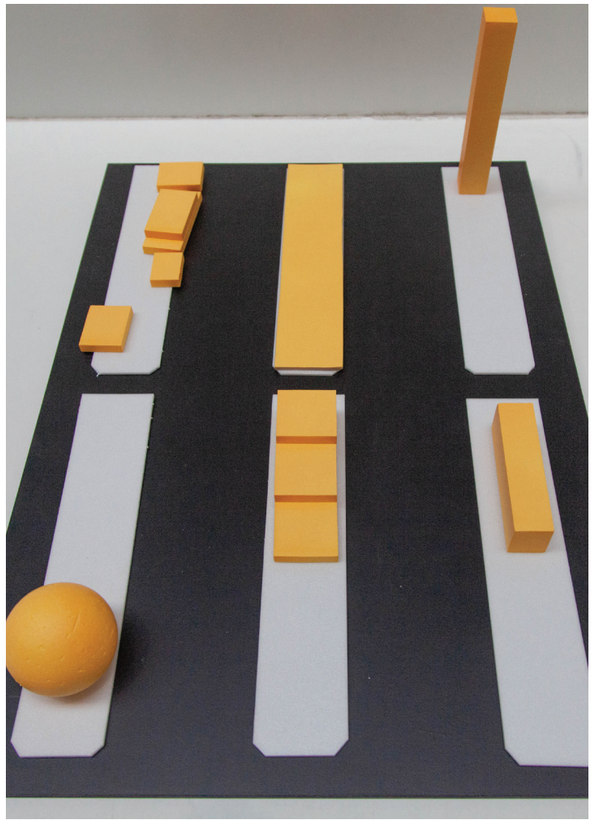
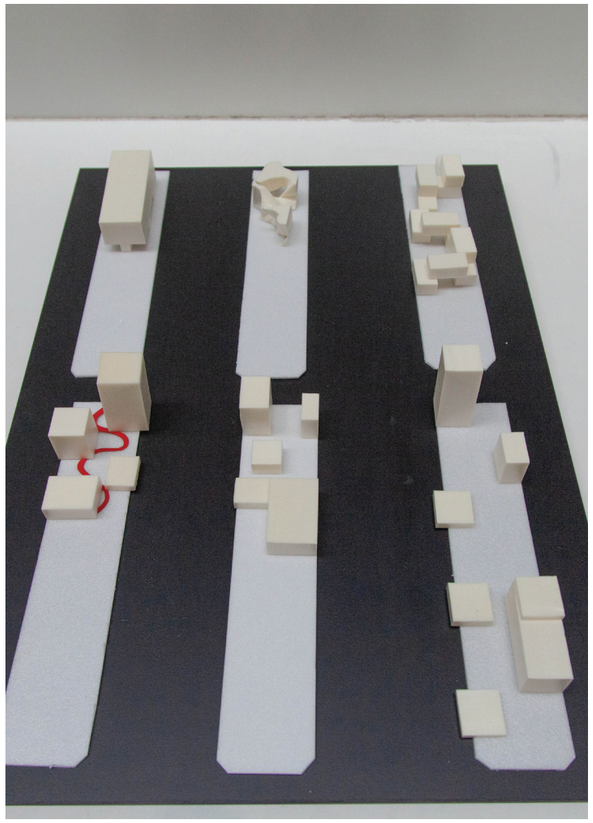
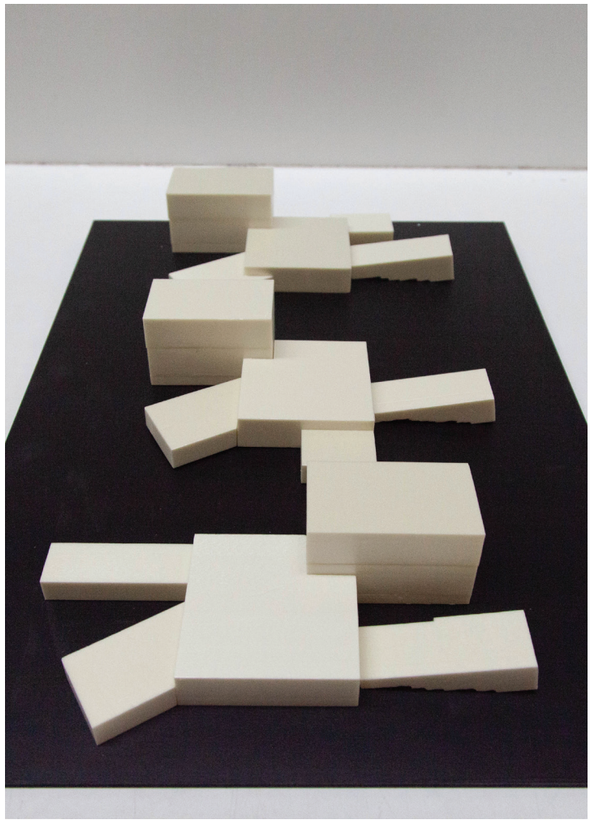
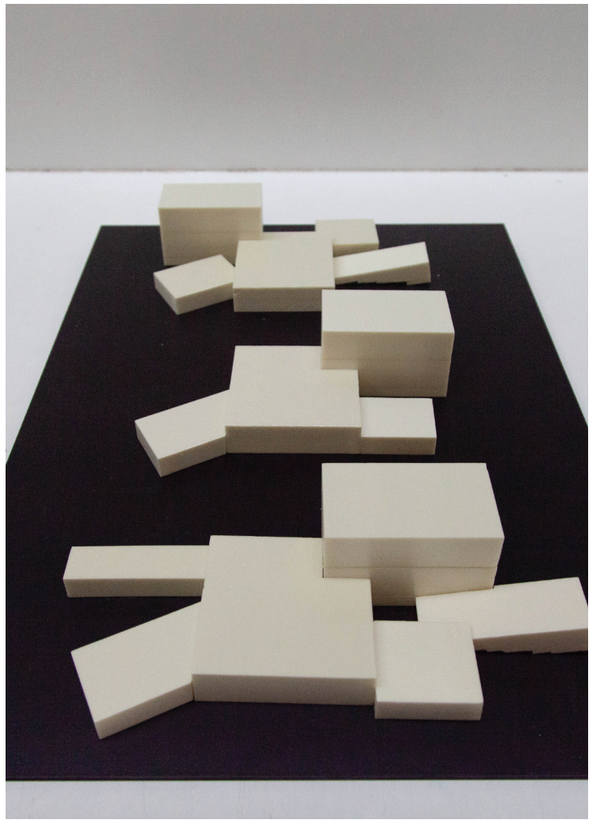
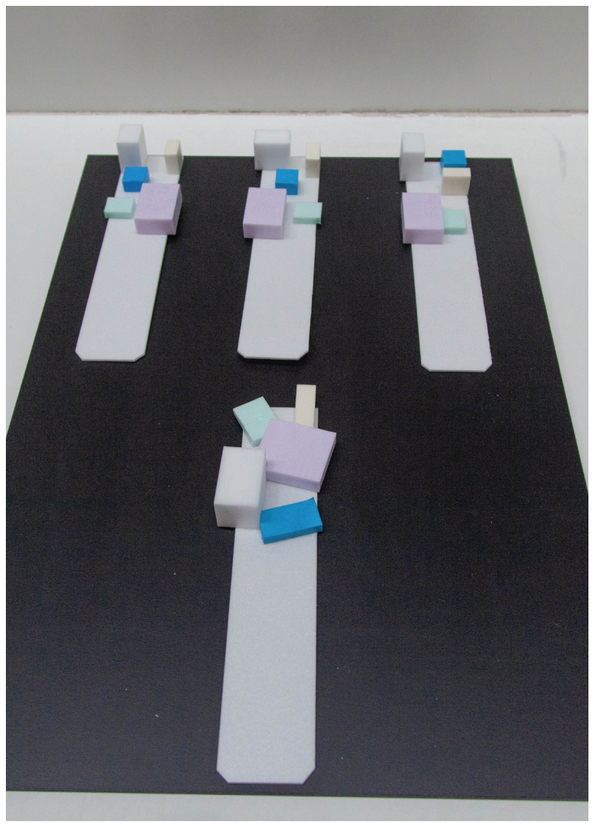
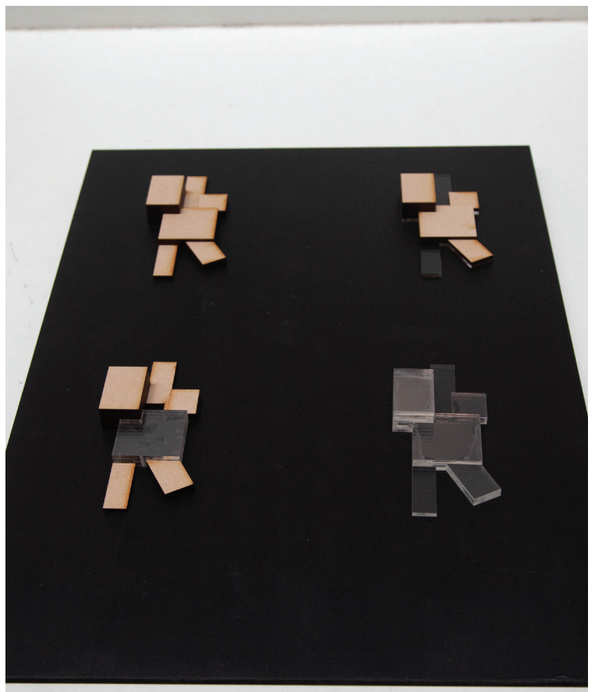
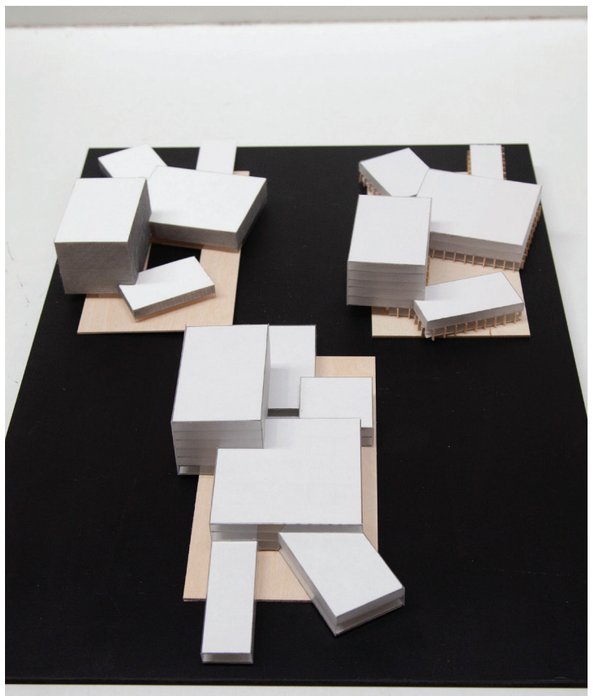
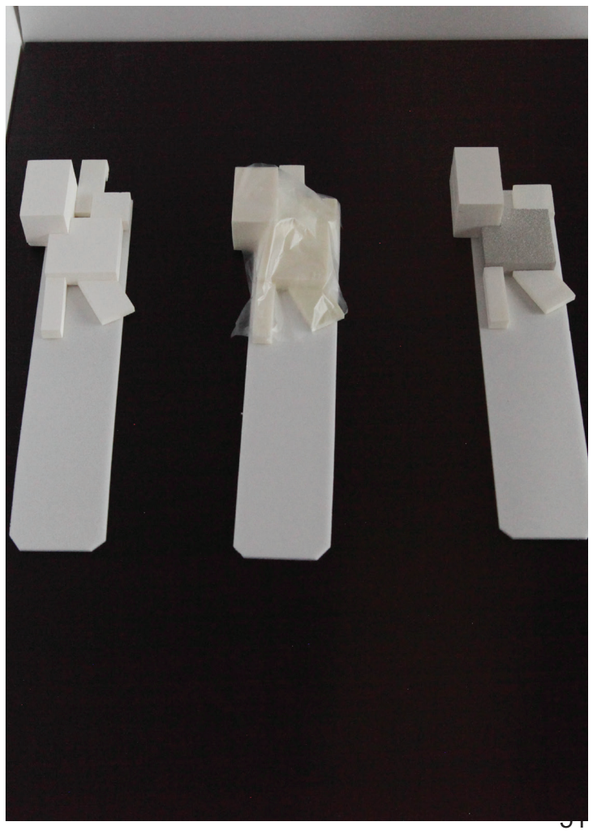


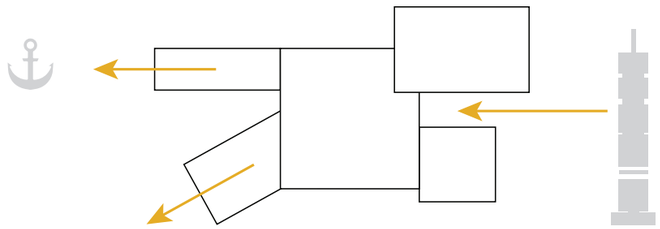
Odunpazari Modern Art Museum - Kengo Kuma

Fragmentation creates overlapping volumes

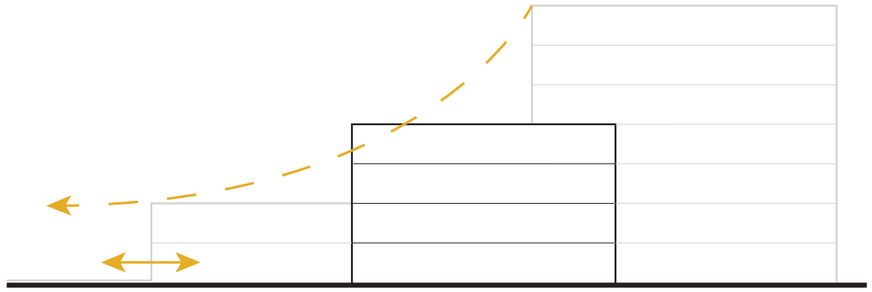


Program based on spatial qualities

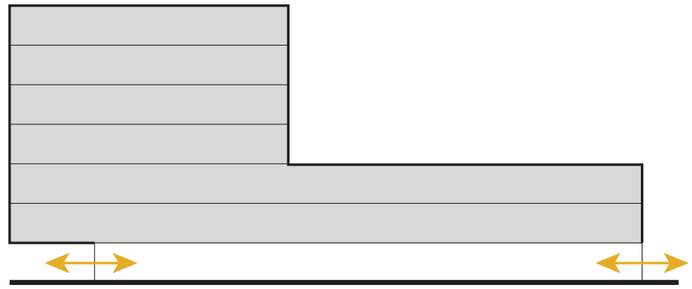











Connection between
building and city

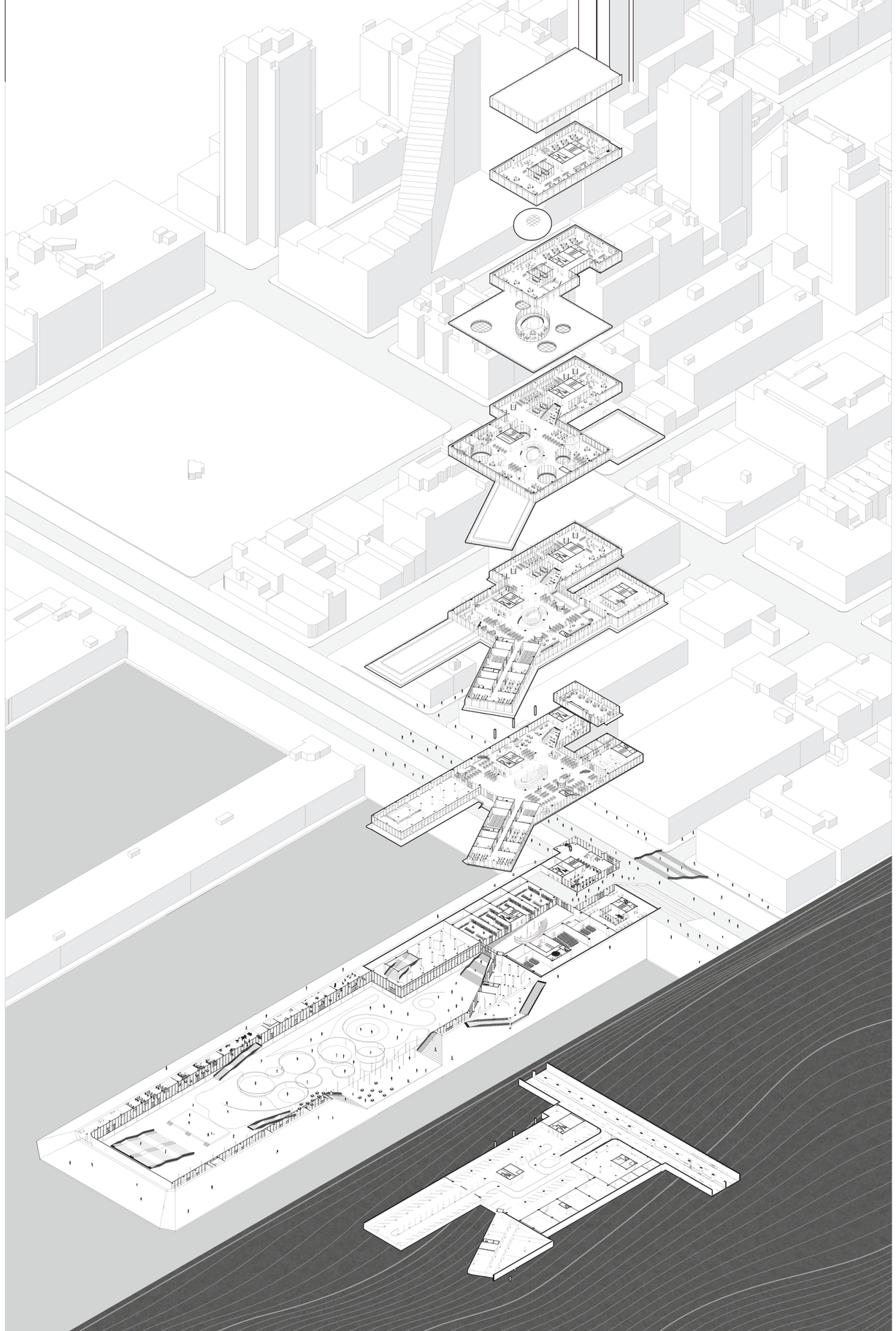


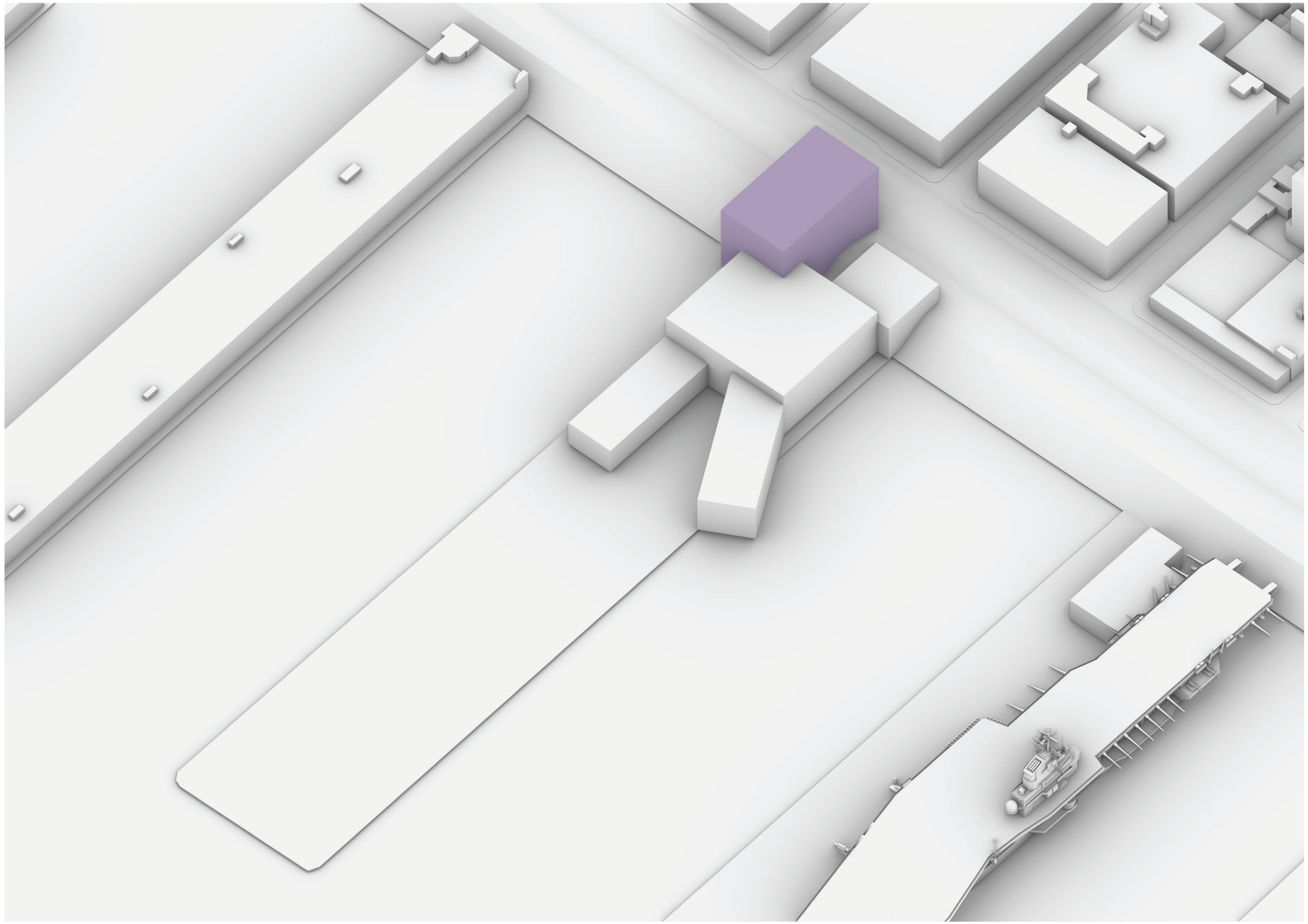
Relationship between
building and park



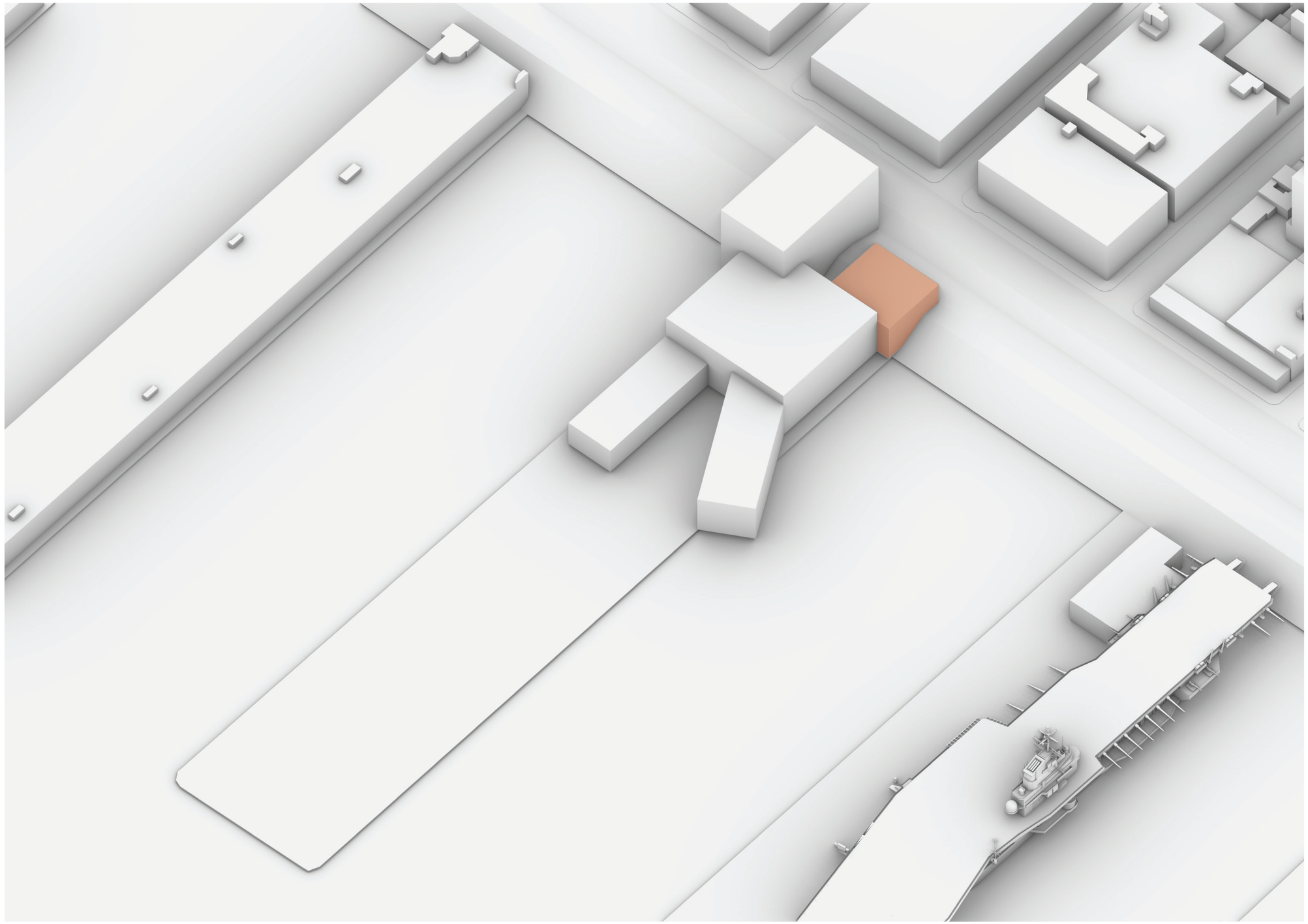
Duality and changing
character of the facade

Design concepts

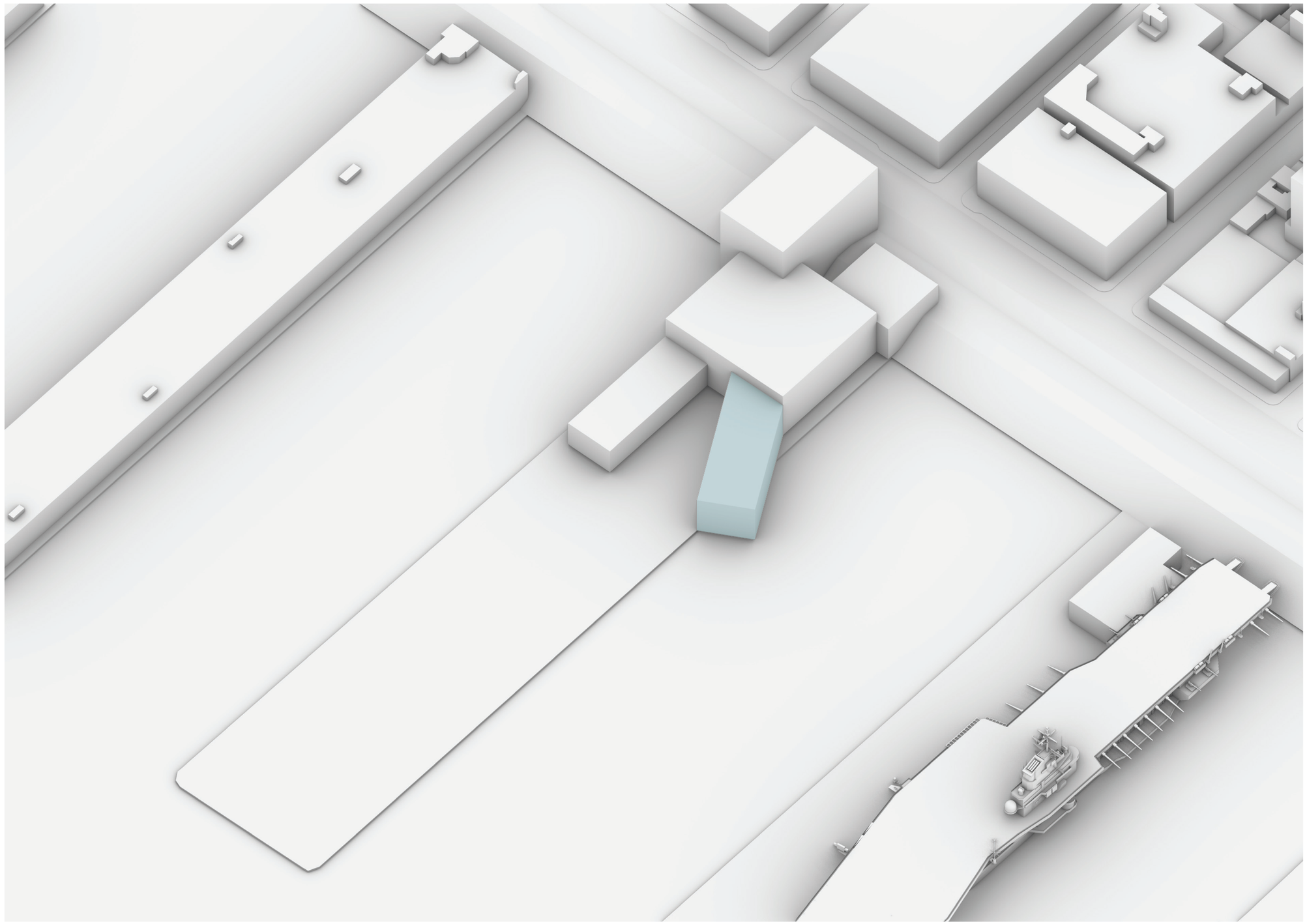




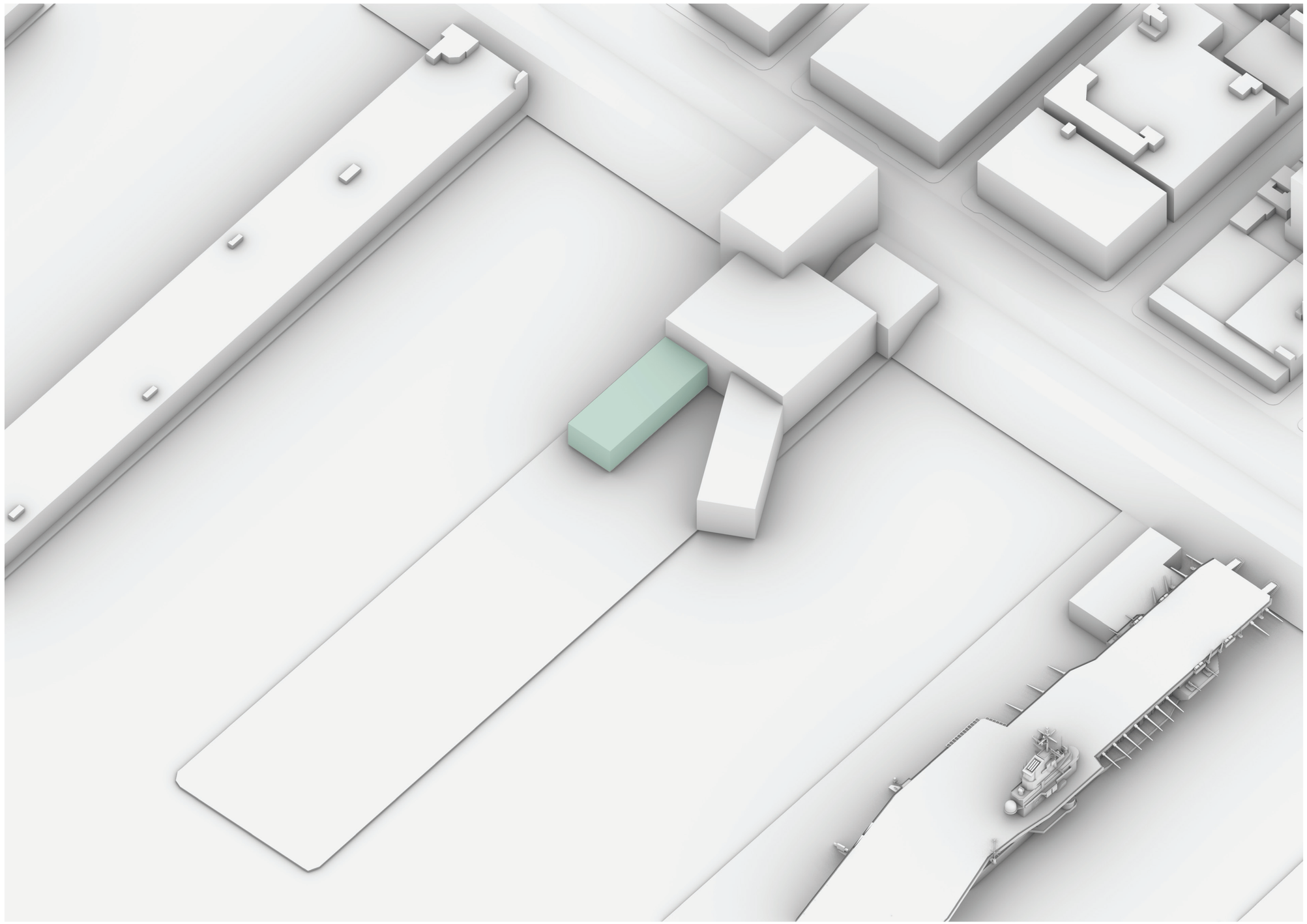
Connection to the city / beacon in the surrounding



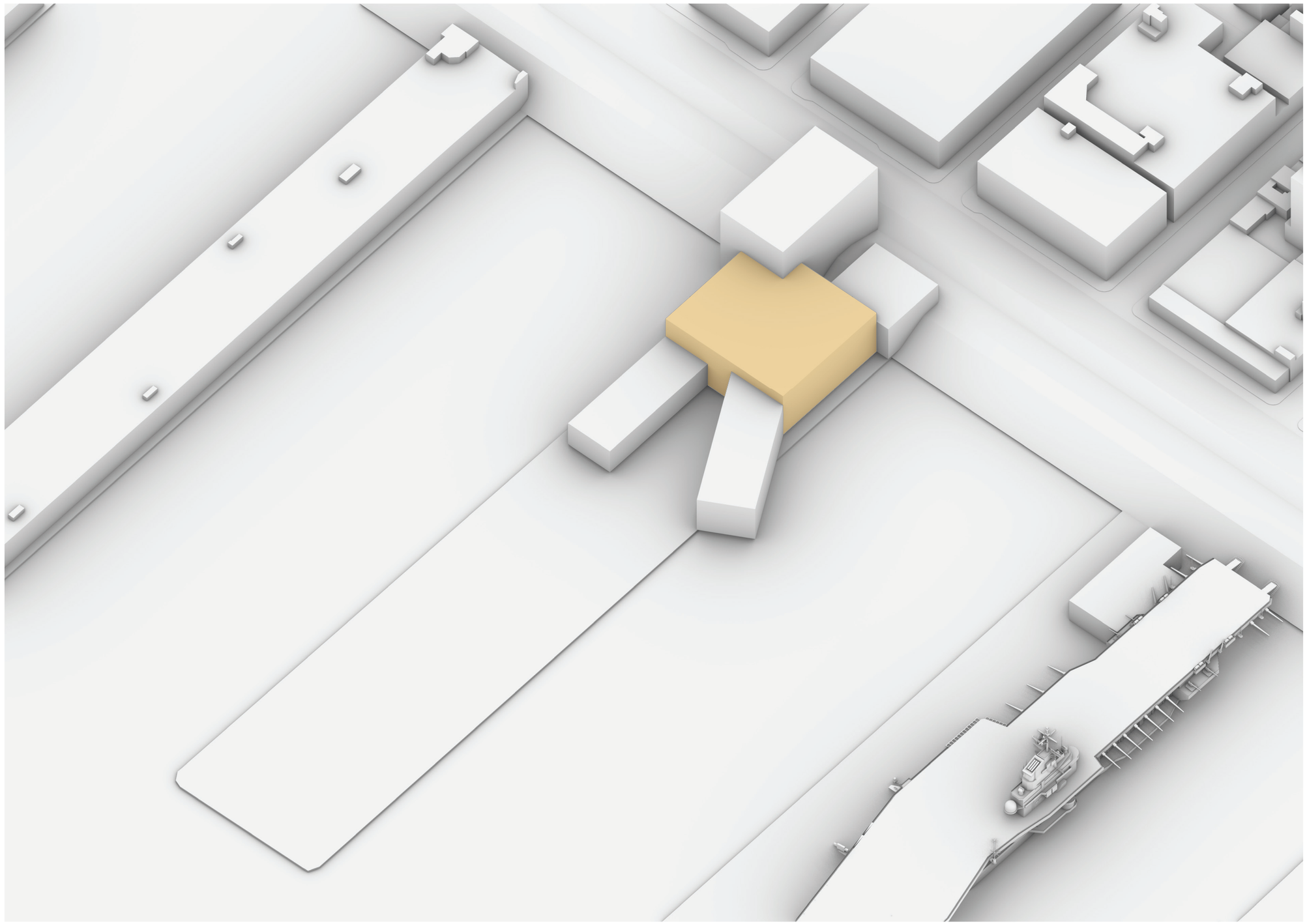
Showcase of innovation to city



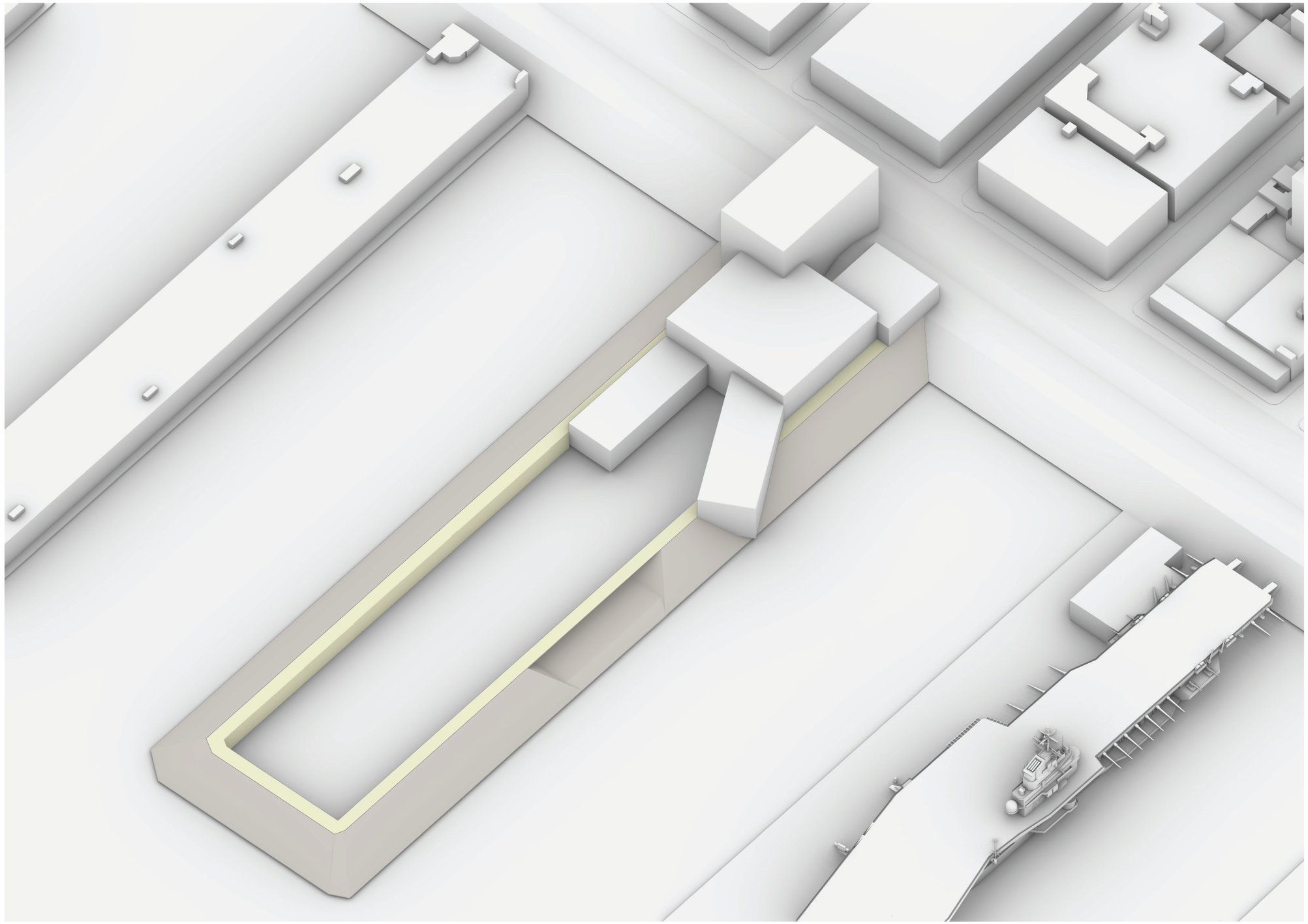
Oriented to a special super sonic airplane (Concorde)



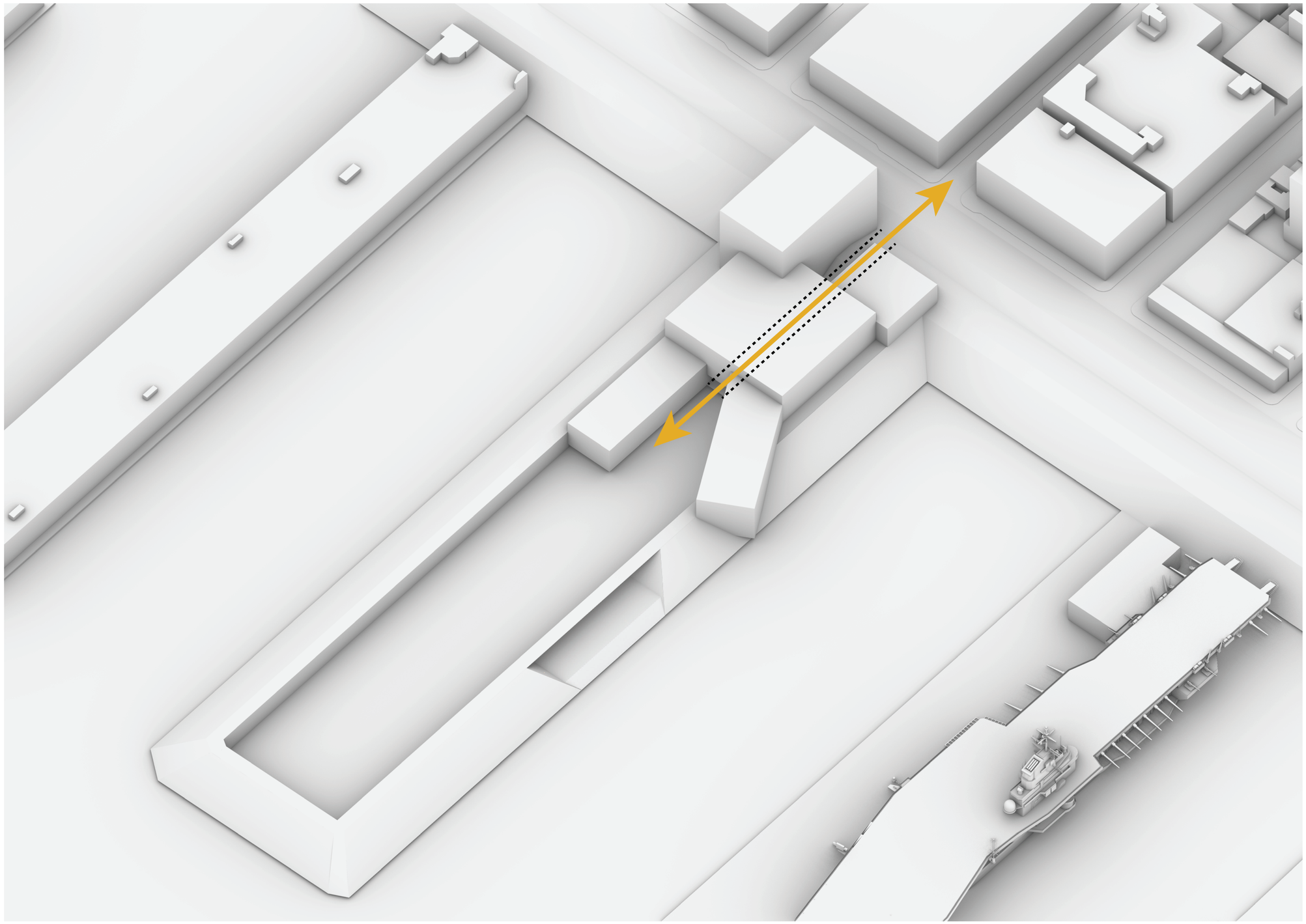
Connection with the park



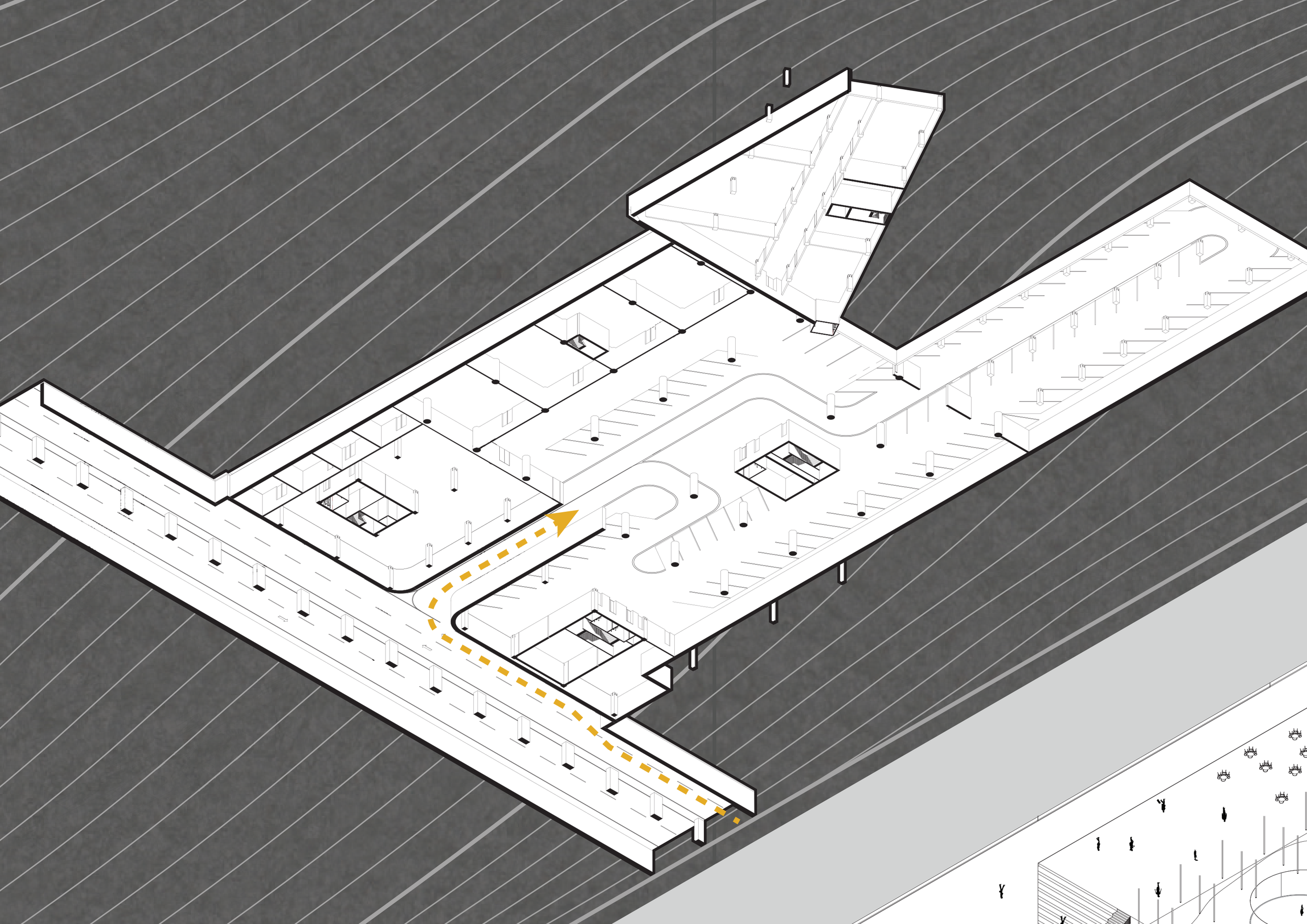
Connecting public urban plaza

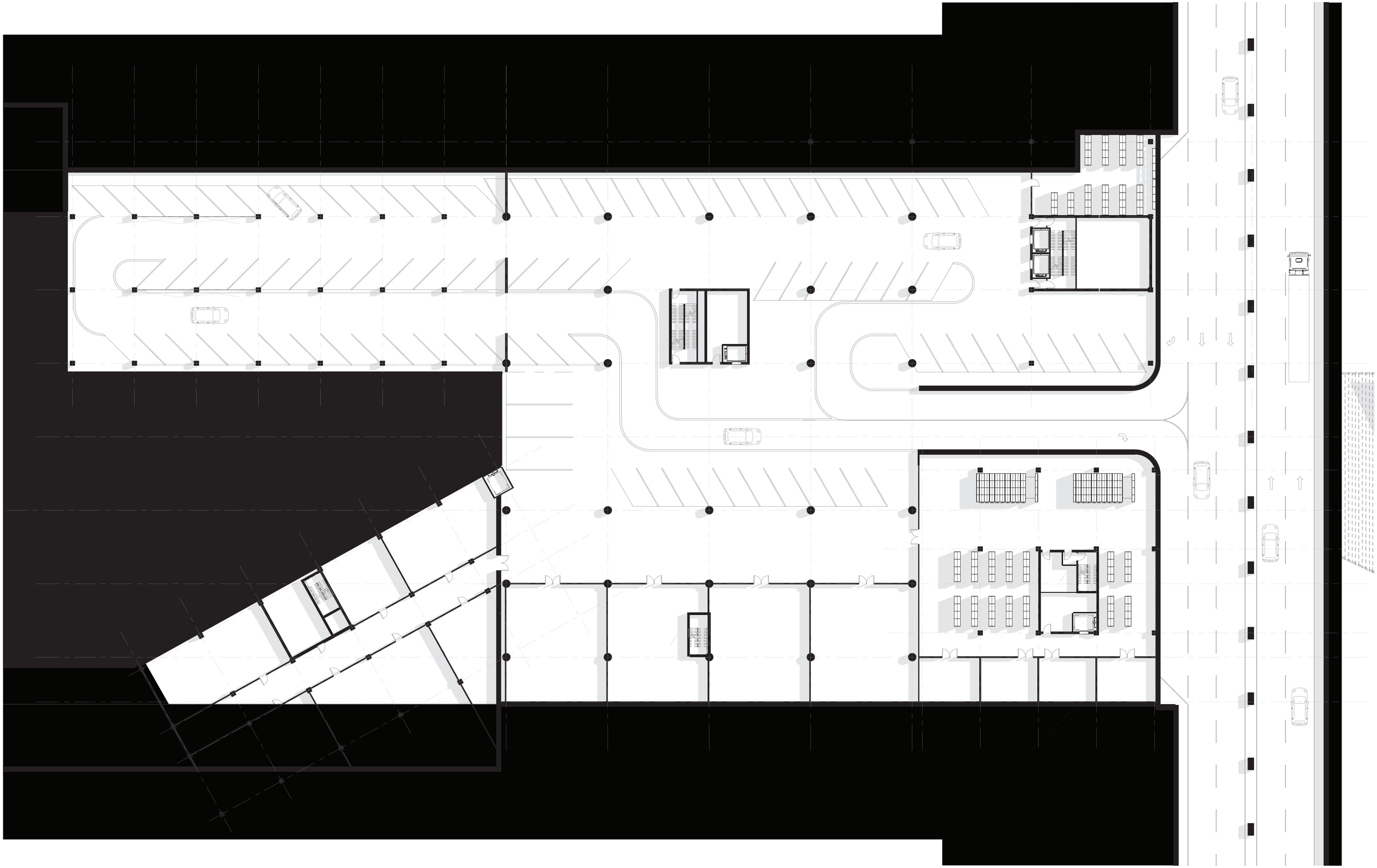


Green hill enclosing the park
Programmable space that continues the program into the park



Extension of the street through the building





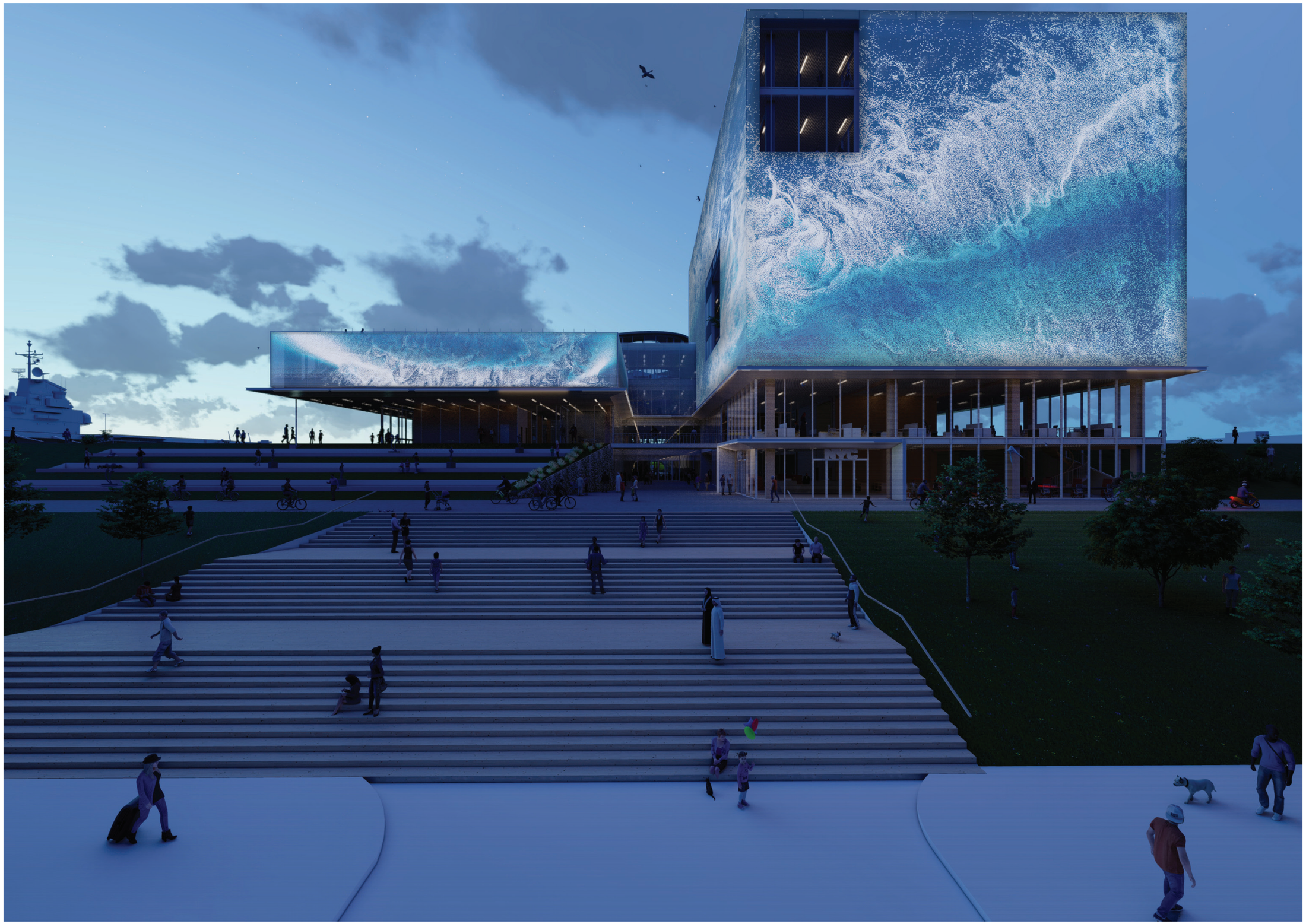
Level 0



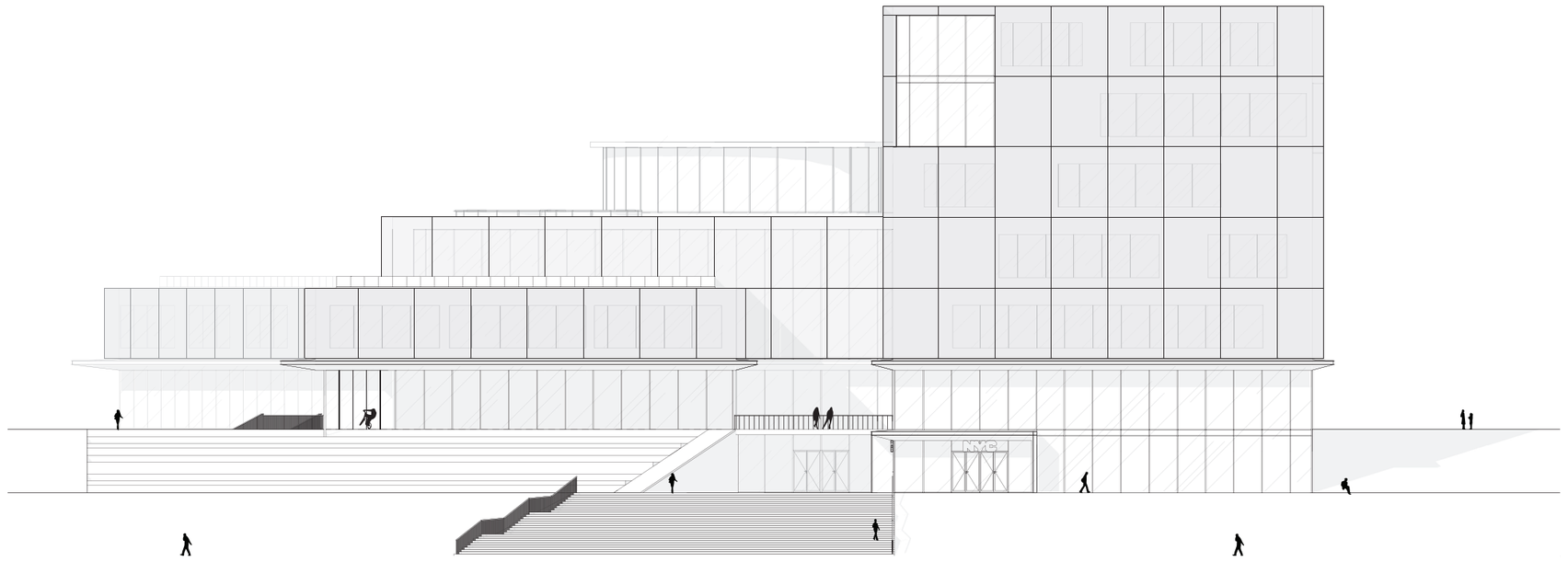
Approach to the building



Changing character of the facade

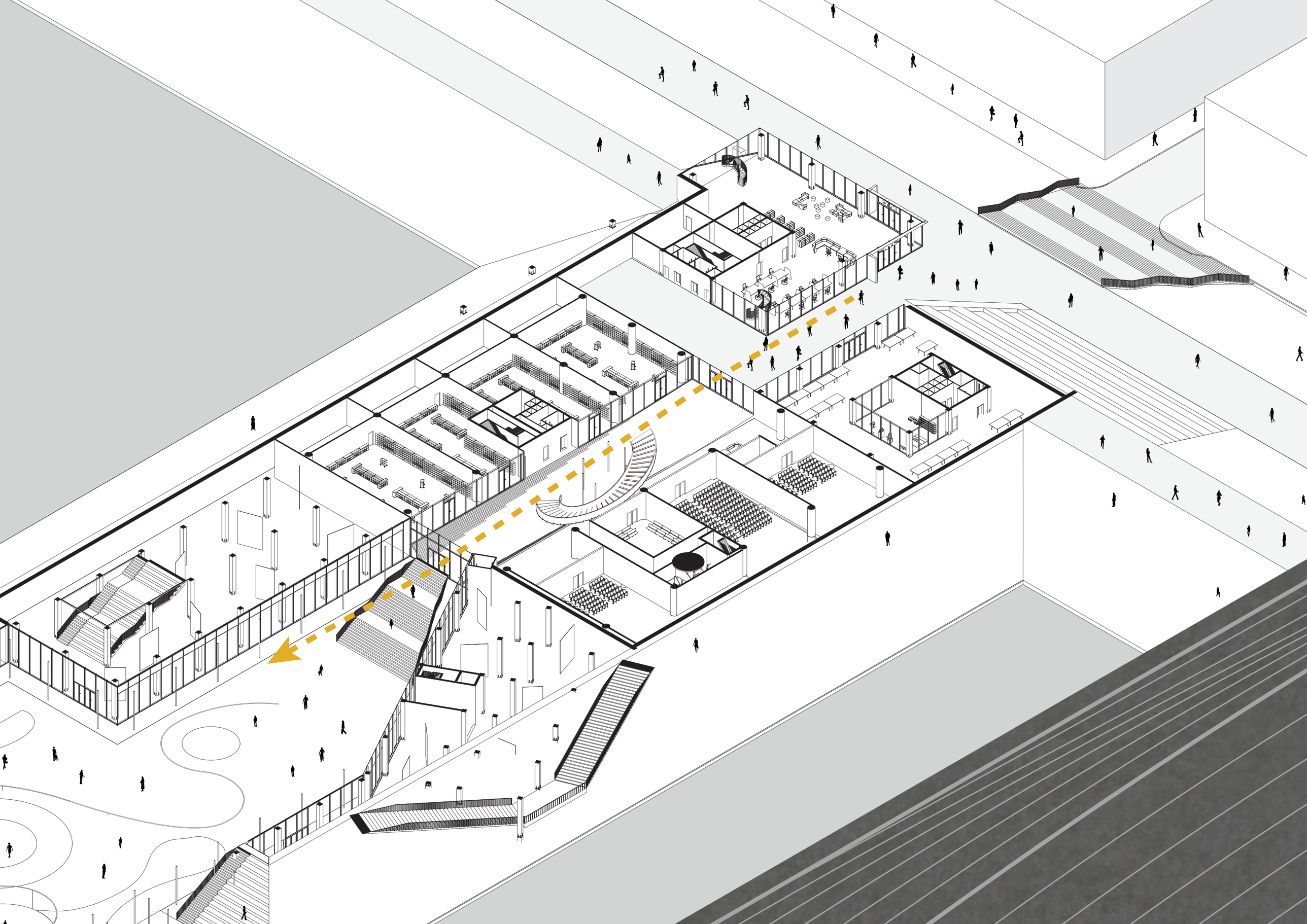


Changing character of the facade



East elevation

0 5 15





Level 1

0 5 15



Entrance into the building



Passage between city and park



Entrance into the park


Experience
Inspiration space
Discover
Learning space
Create
Performative space
Participate
Meeting space



Park

0 7.5 22.5



Create
Performative space

Programmable spaces in the green hill



Experience
Inspiration space

Create
Performative space

Opening in the green hill

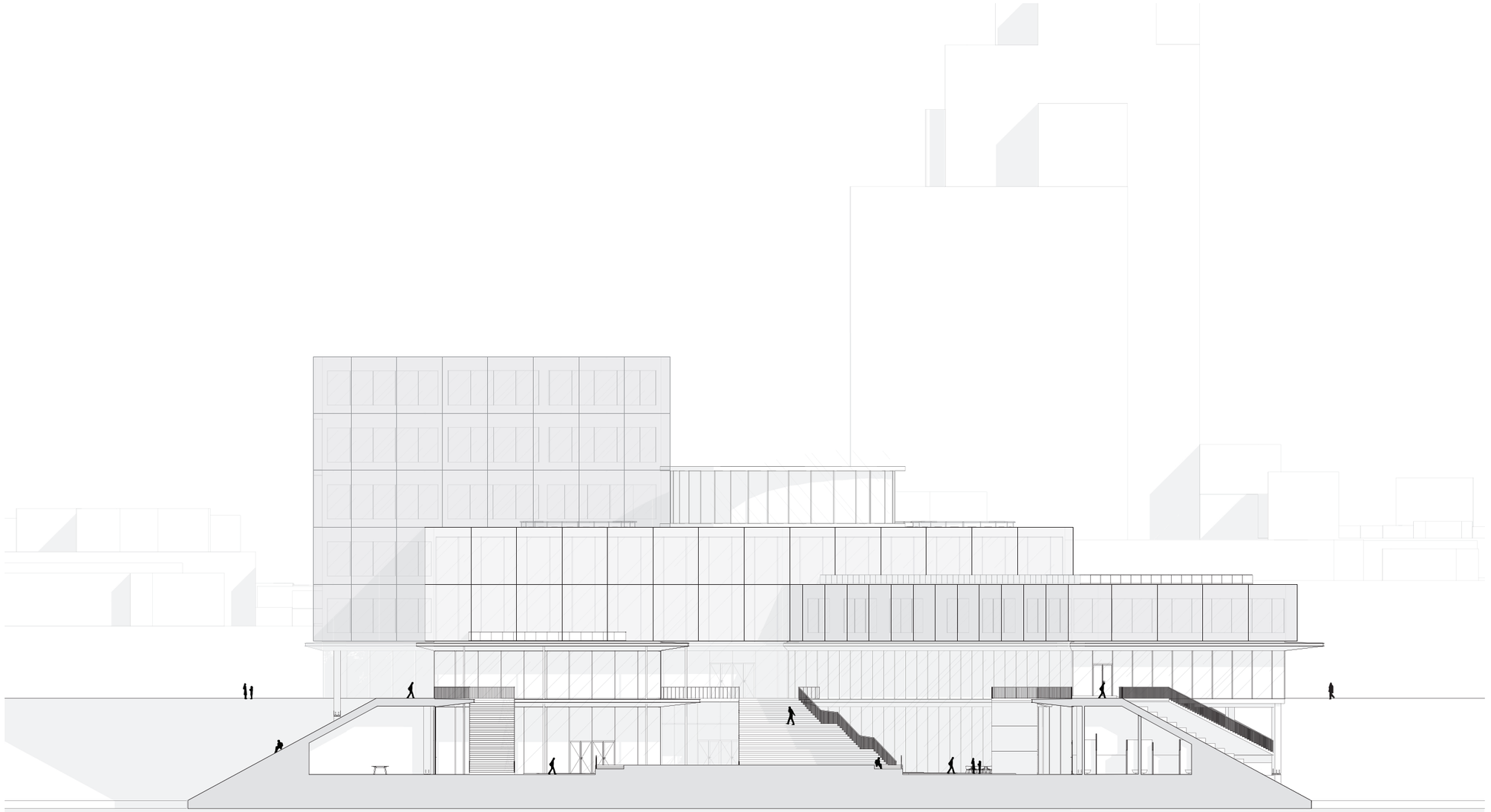


Experience
Inspiration space

Create
Performative space

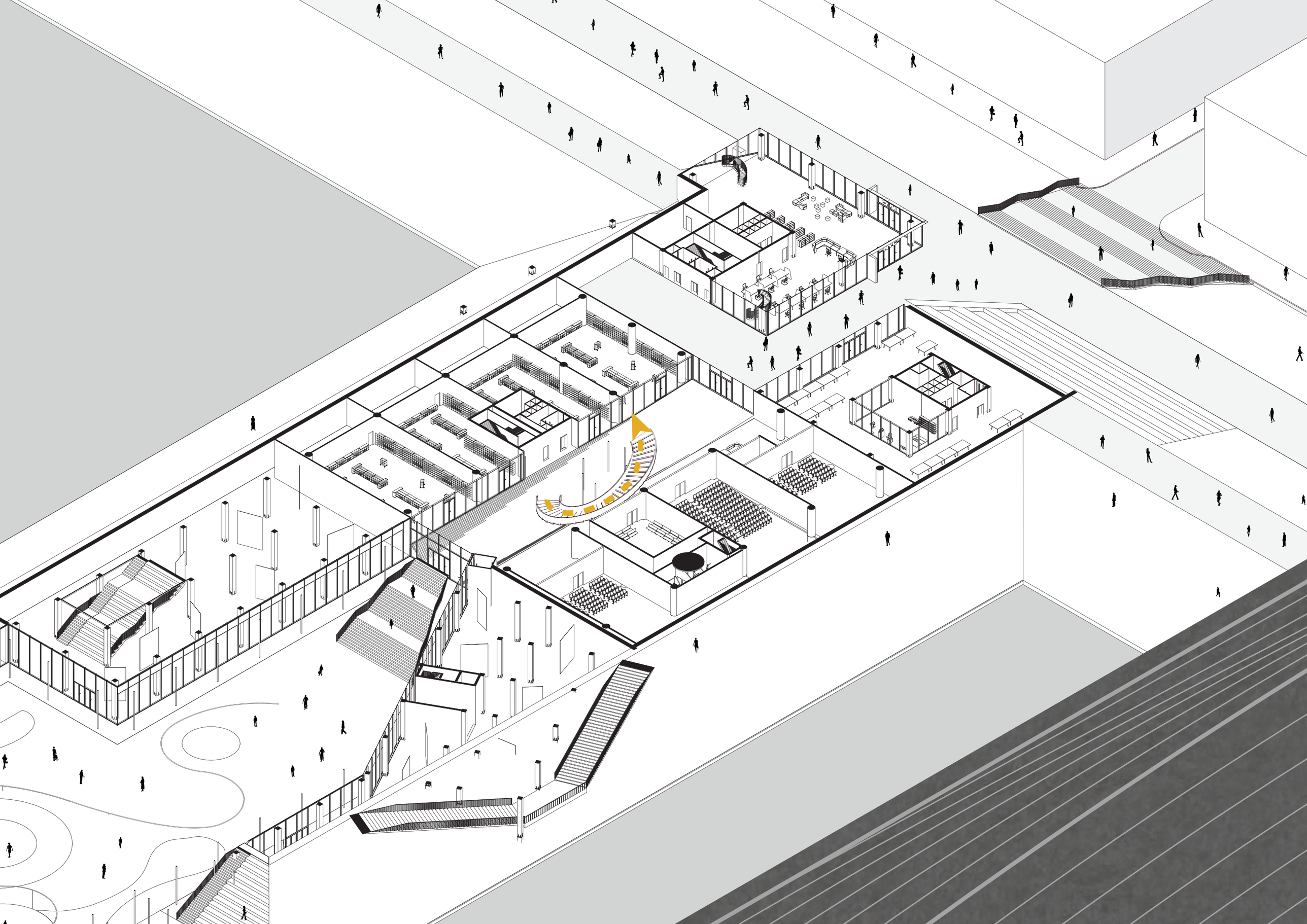
Outdoor theater

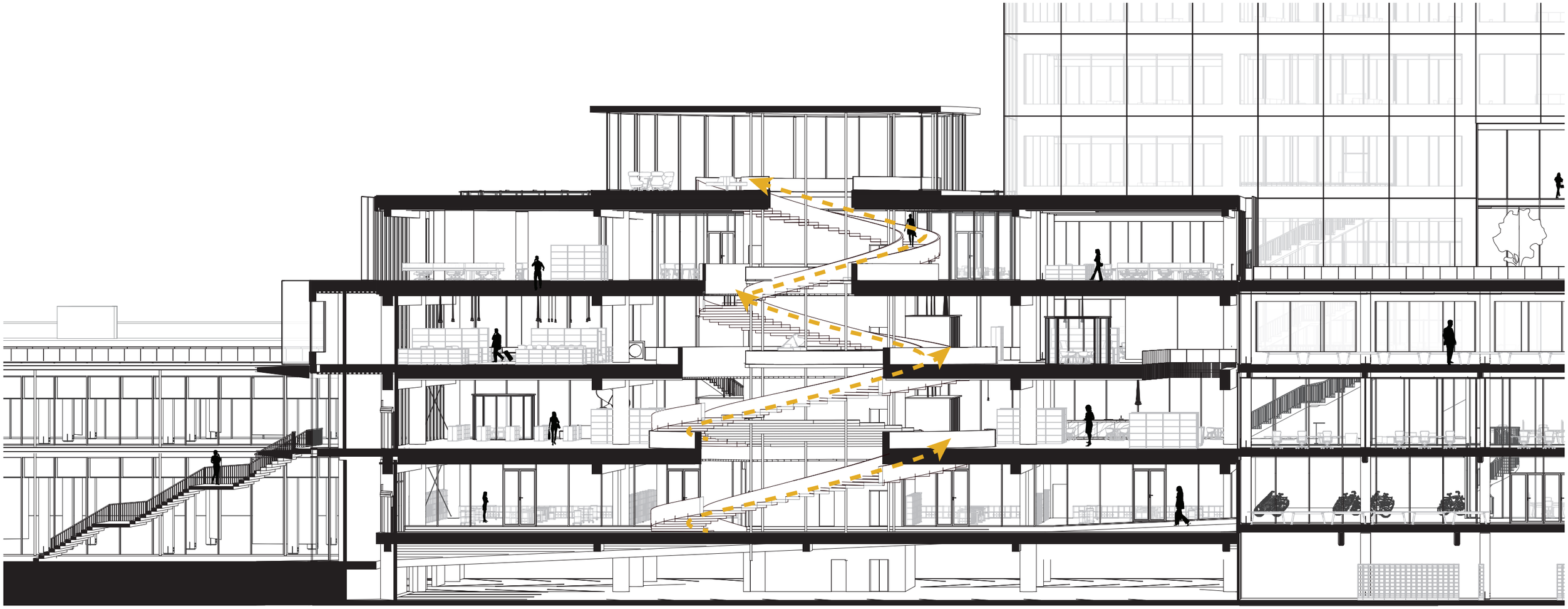




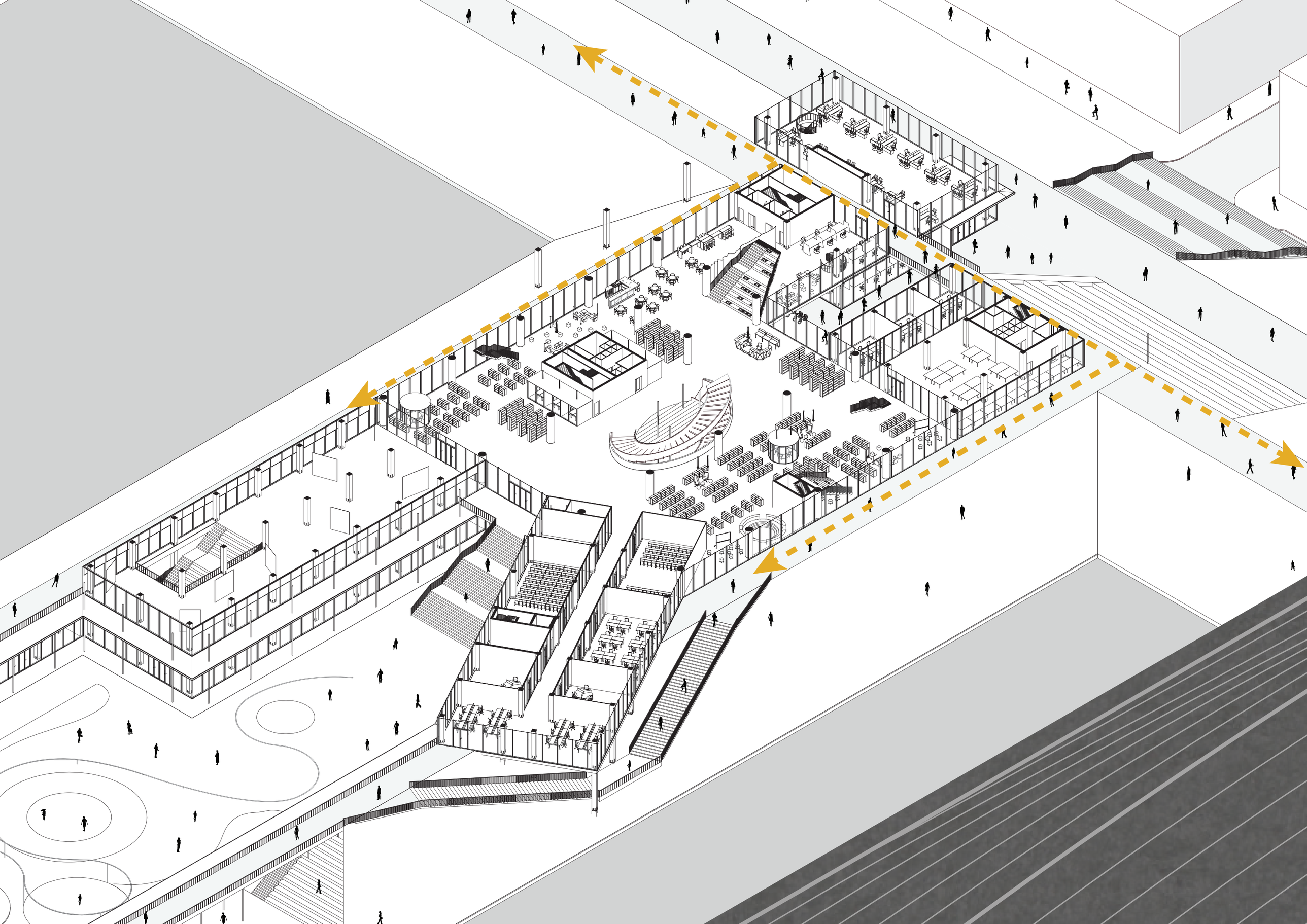
West elevation

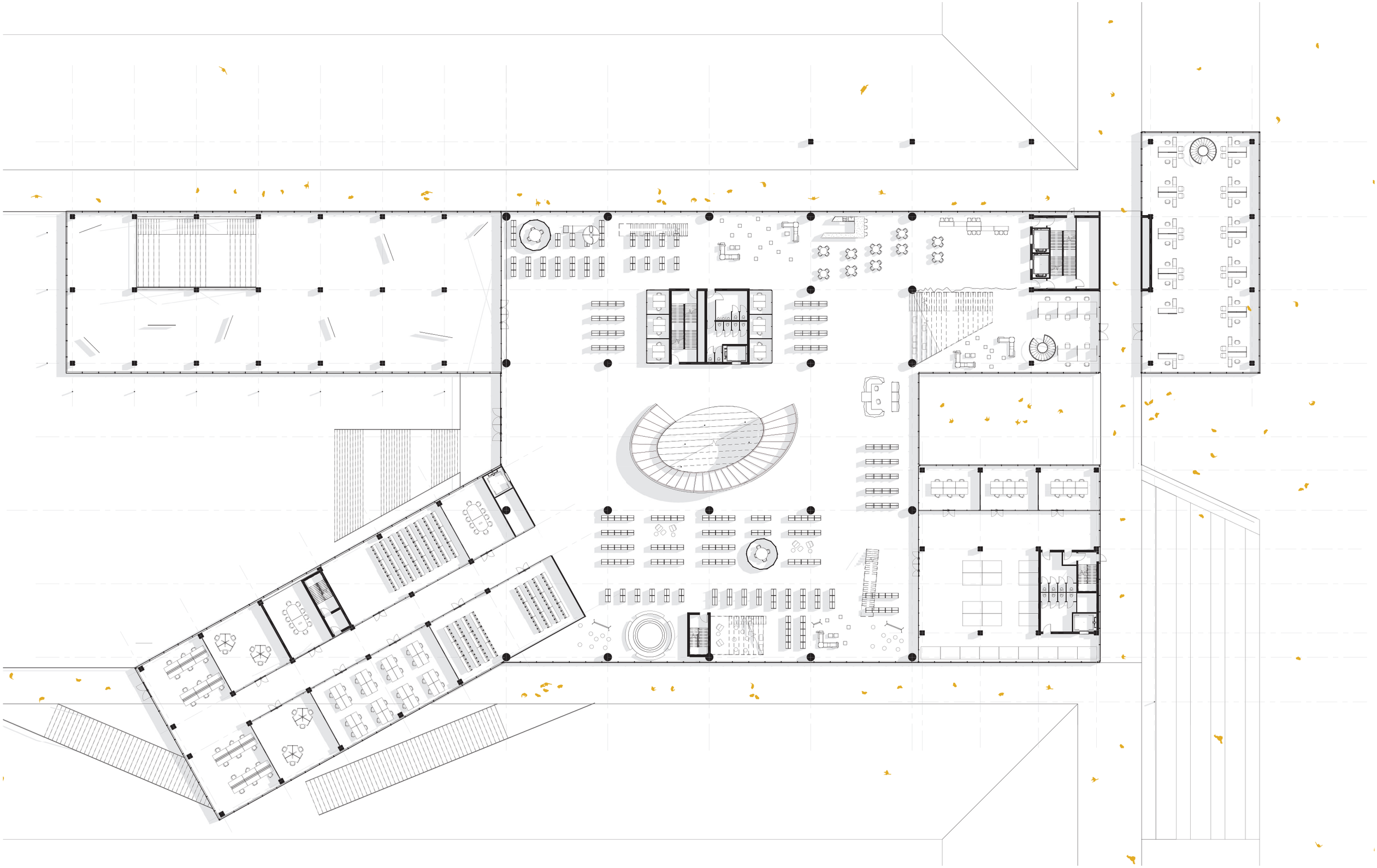
0 5 15





Central staircase





Level 2

0 5 15



Participate
Meeting space

Public podium



Discover
Learning space

Participate
Meeting space

Urban plaza



Discover
Learning space

Participate
Meeting space

Urban plaza



Experience
Inspiration space

Urban plaza



Participate
Meeting space

Citizens service



Participate
Meeting space

Citizens service



Create
Performative space

Maker space showcase of innovation



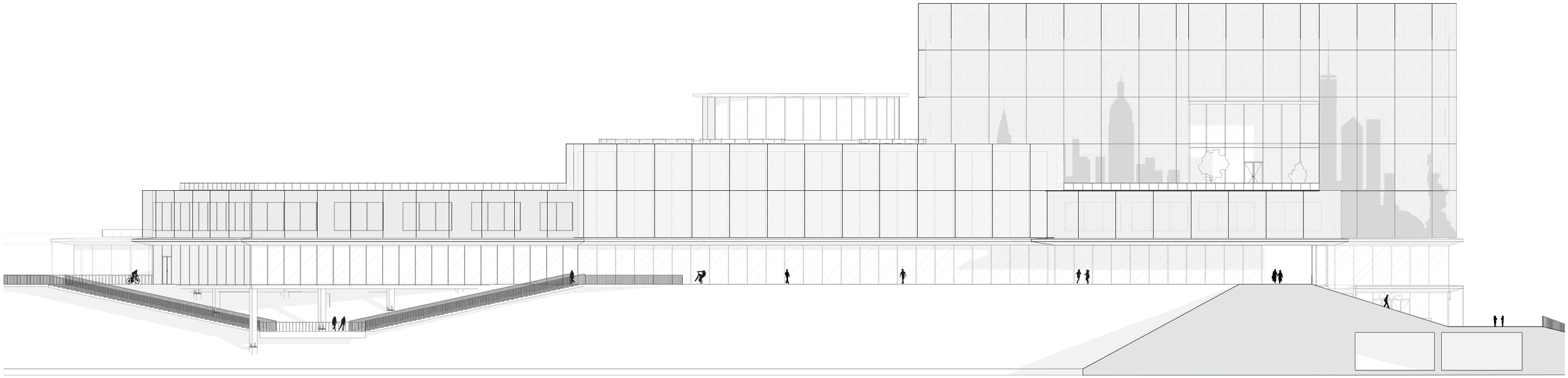
Experience
Inspiration space

Expo space for local artists



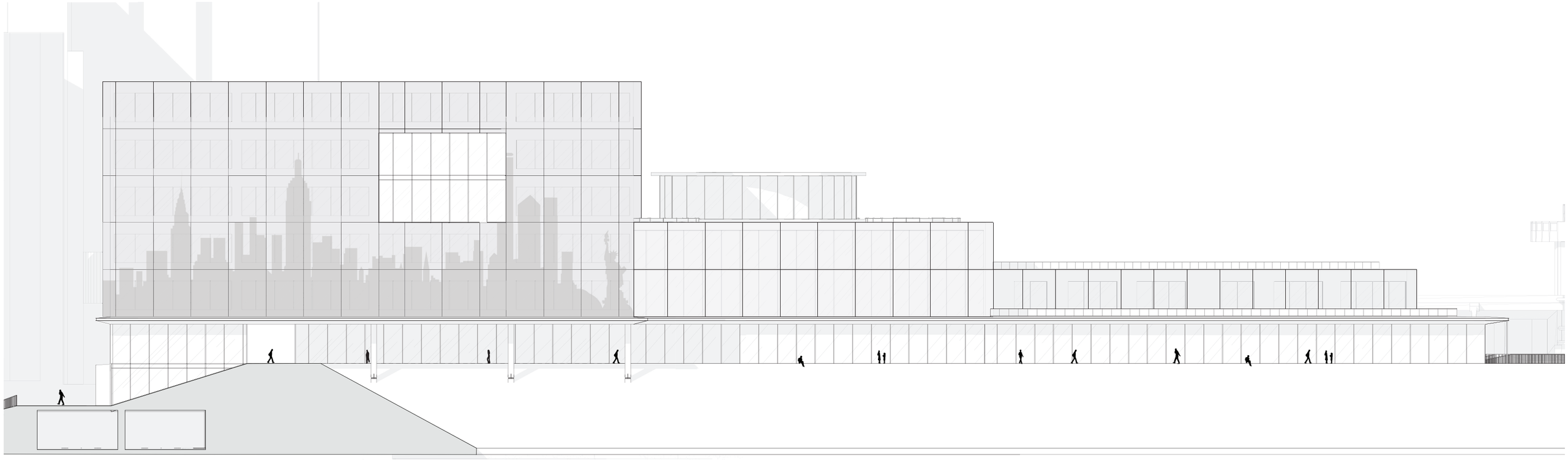
Experience
Inspiration space

Expo space for local artists



South elevation

0 5 15

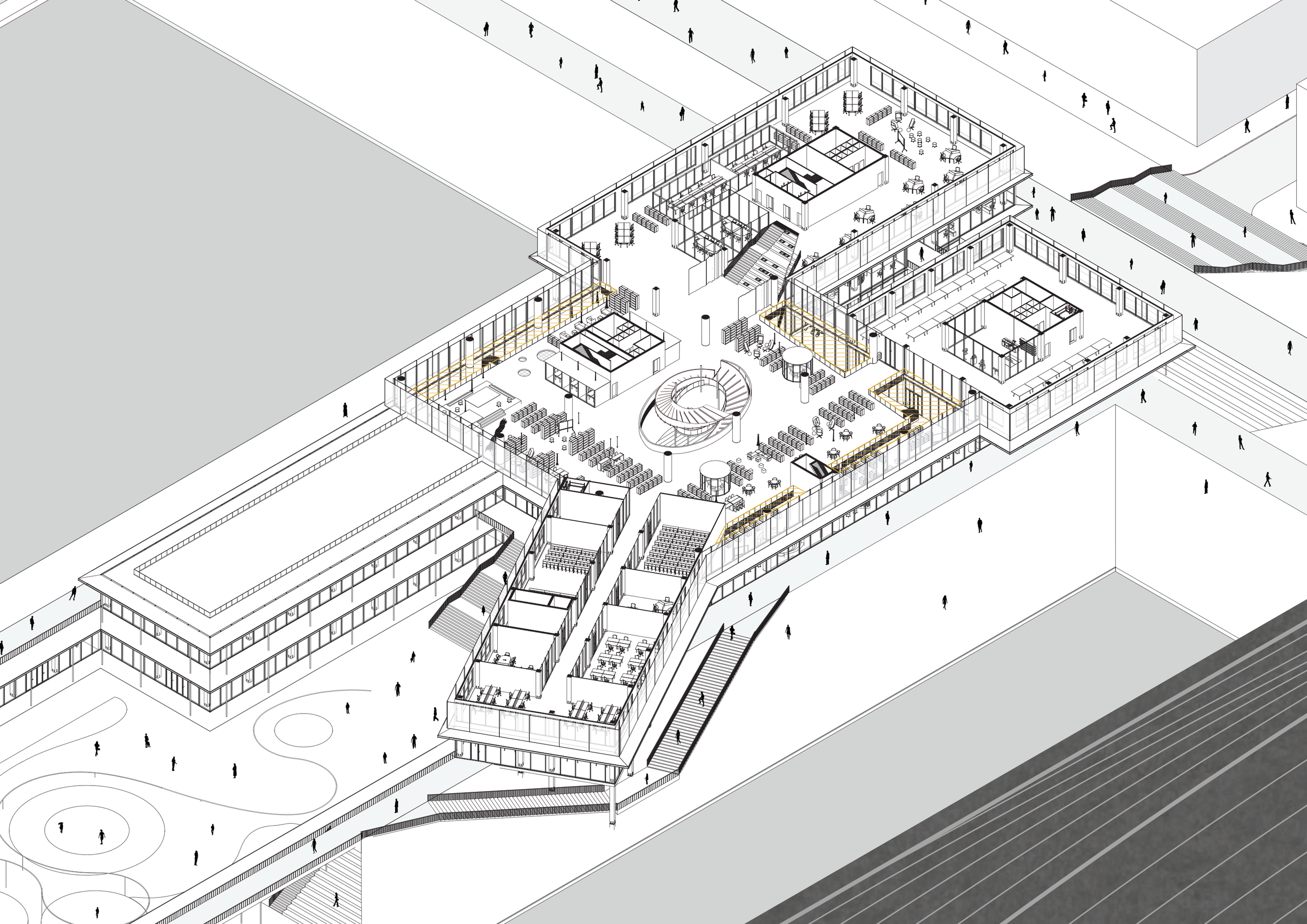


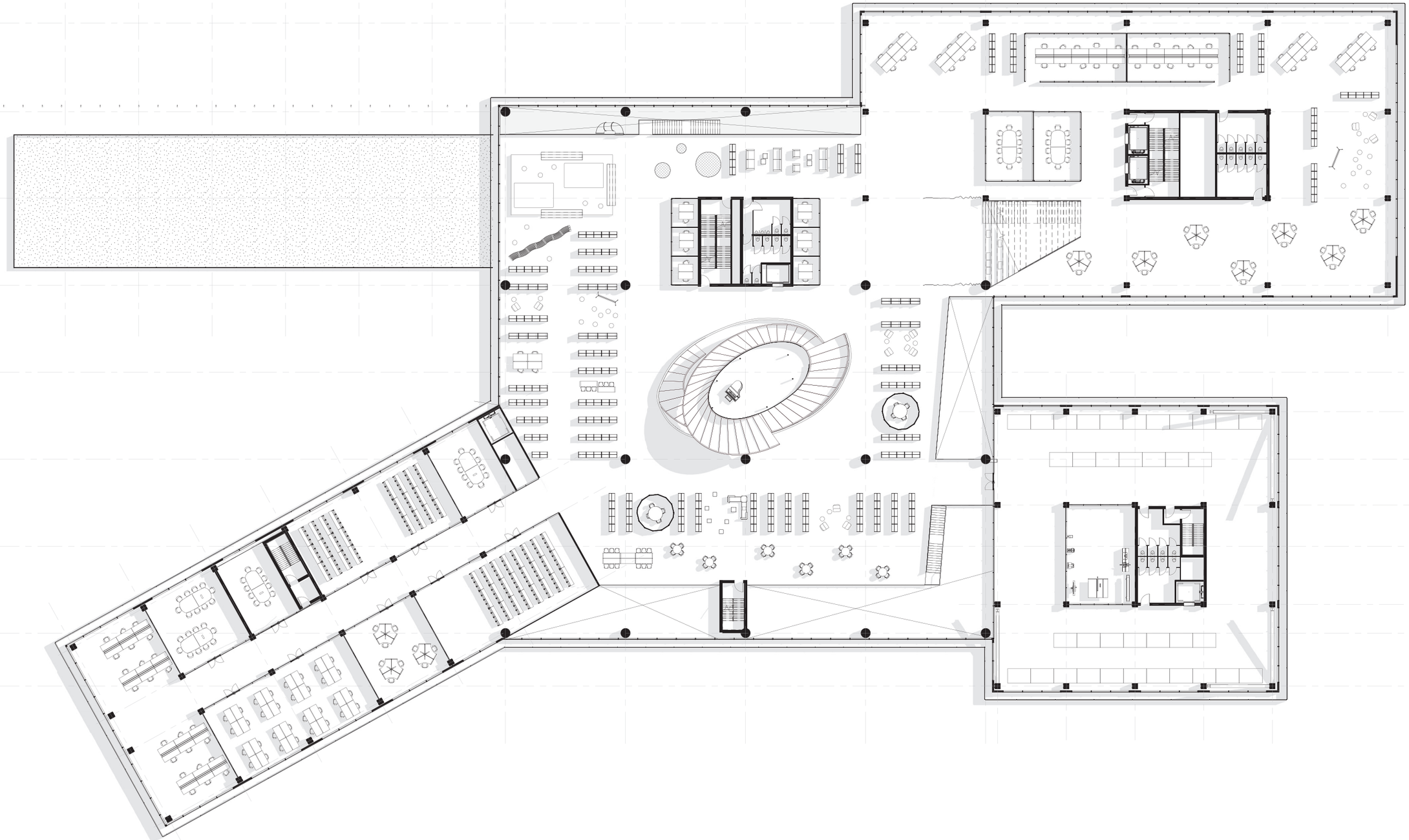
North elevation

0 5 15



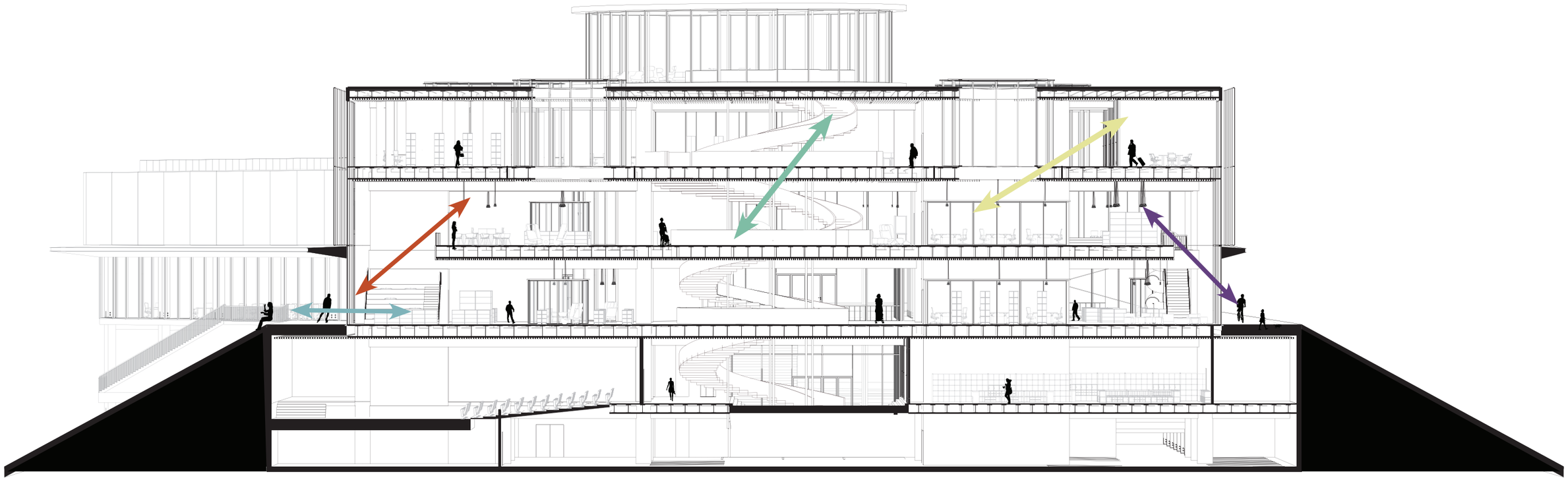
Cross section





Level 3

0 5 15



Openings to strengthen relationships between floors



Experience
Inspiration space

Increased porosity



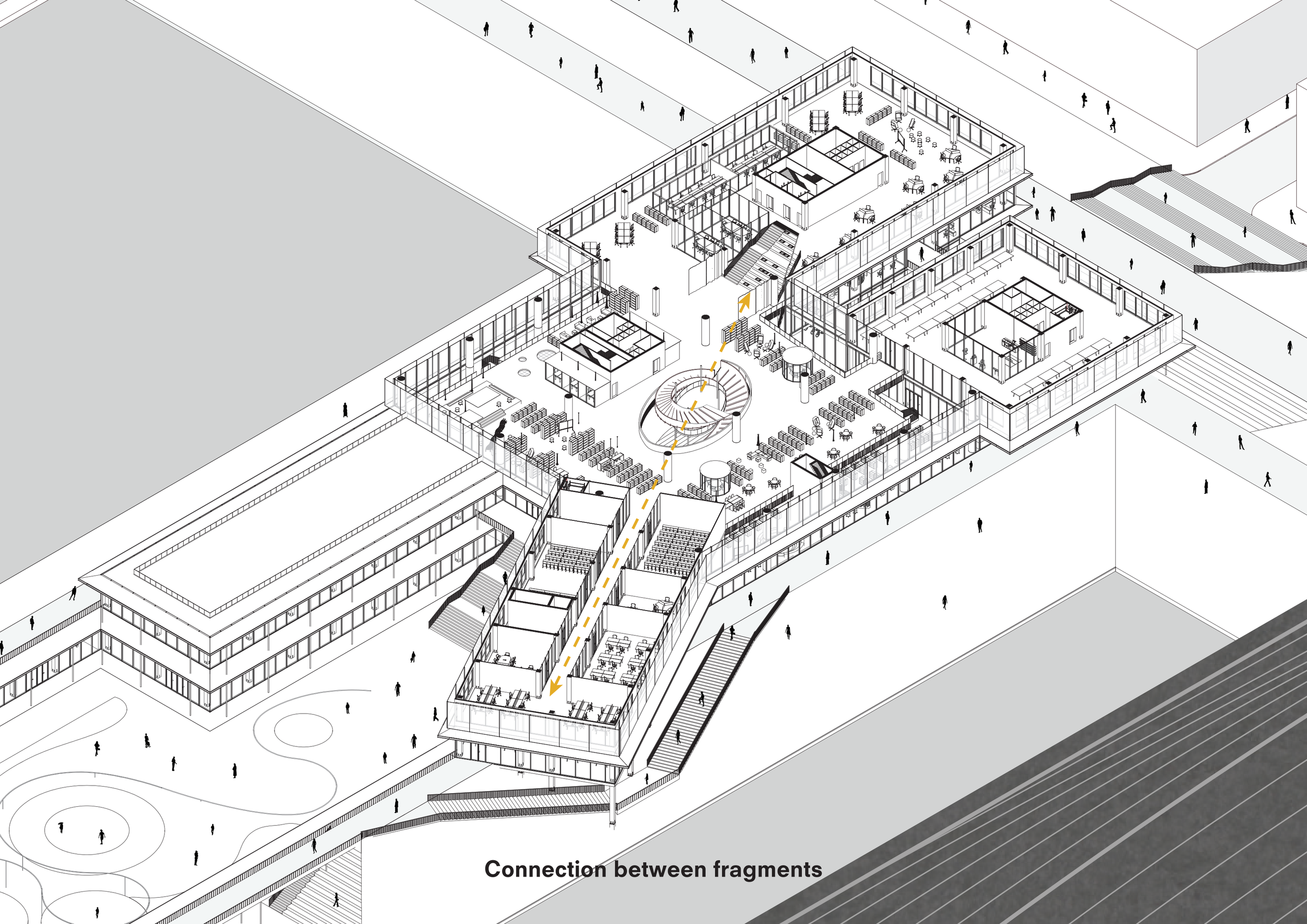
Experience
Inspiration space

Increased porosity



Discover
Learning space

Kids area



Connection between fragments



Discover
Learning space

Create
Performative space

Training / teaching / consultation spaces



Discover
Learning space

Create
Performative space



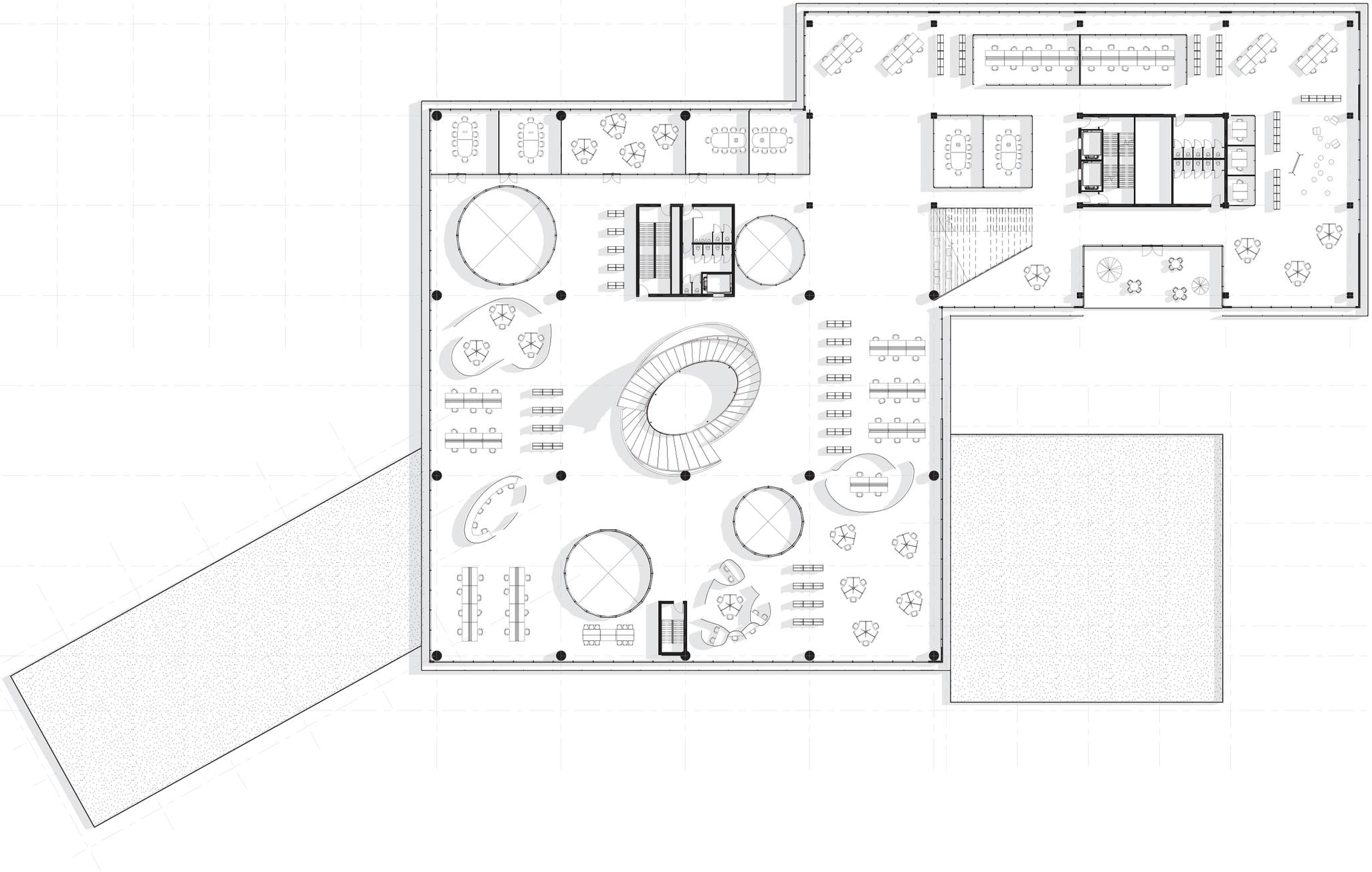
Experience
Inspiration space

Central staircase



Participate
Meeting space

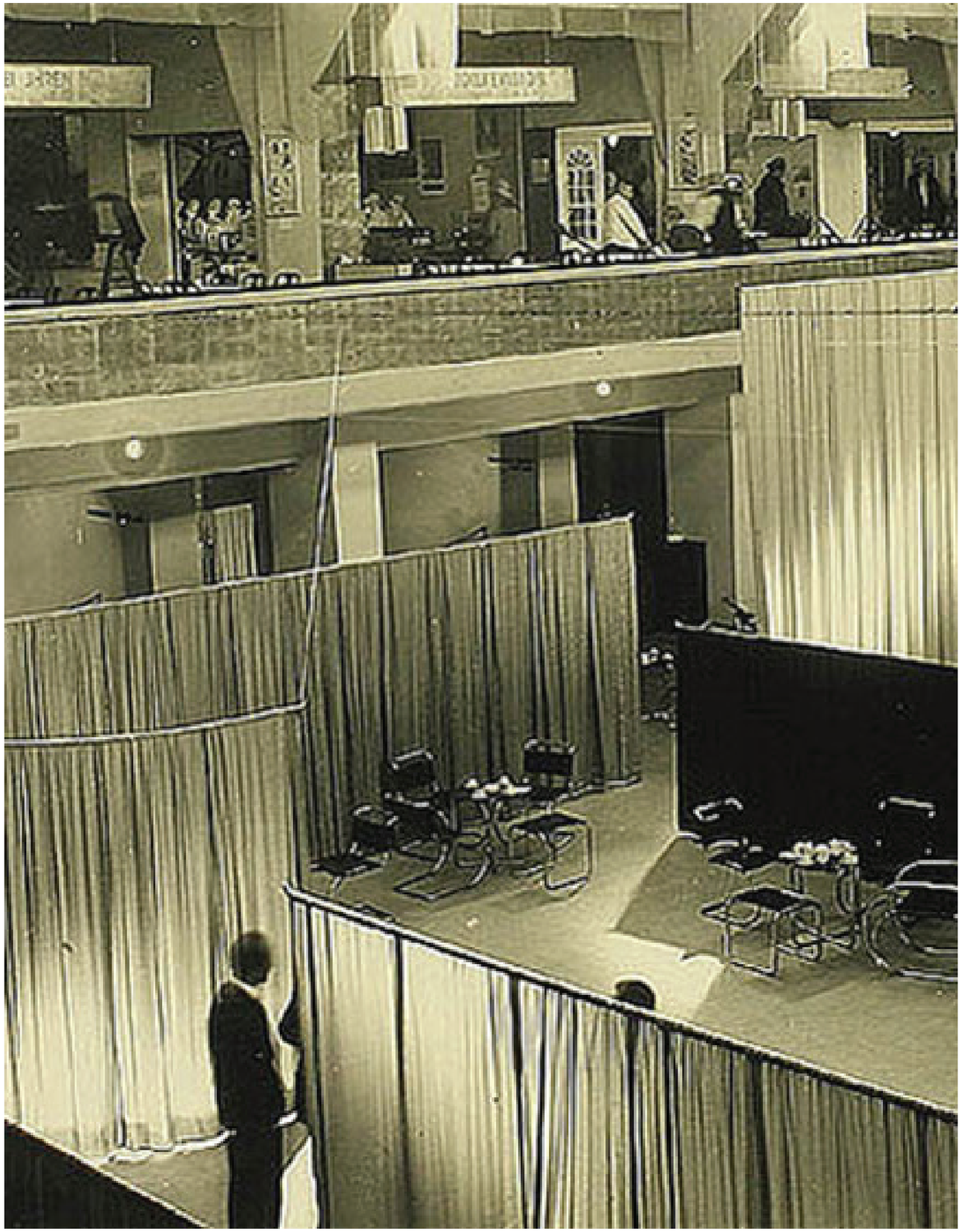
Presentation staircase



Level 4

0 5 15





Café Samt & Seide - Ludwig Mies van der Rohe & Lilly Reich

Temporality and flexibility through fabrics



Discover
Learning space

Flexibility through fabrics



Discover
Learning space

More permanent divisions

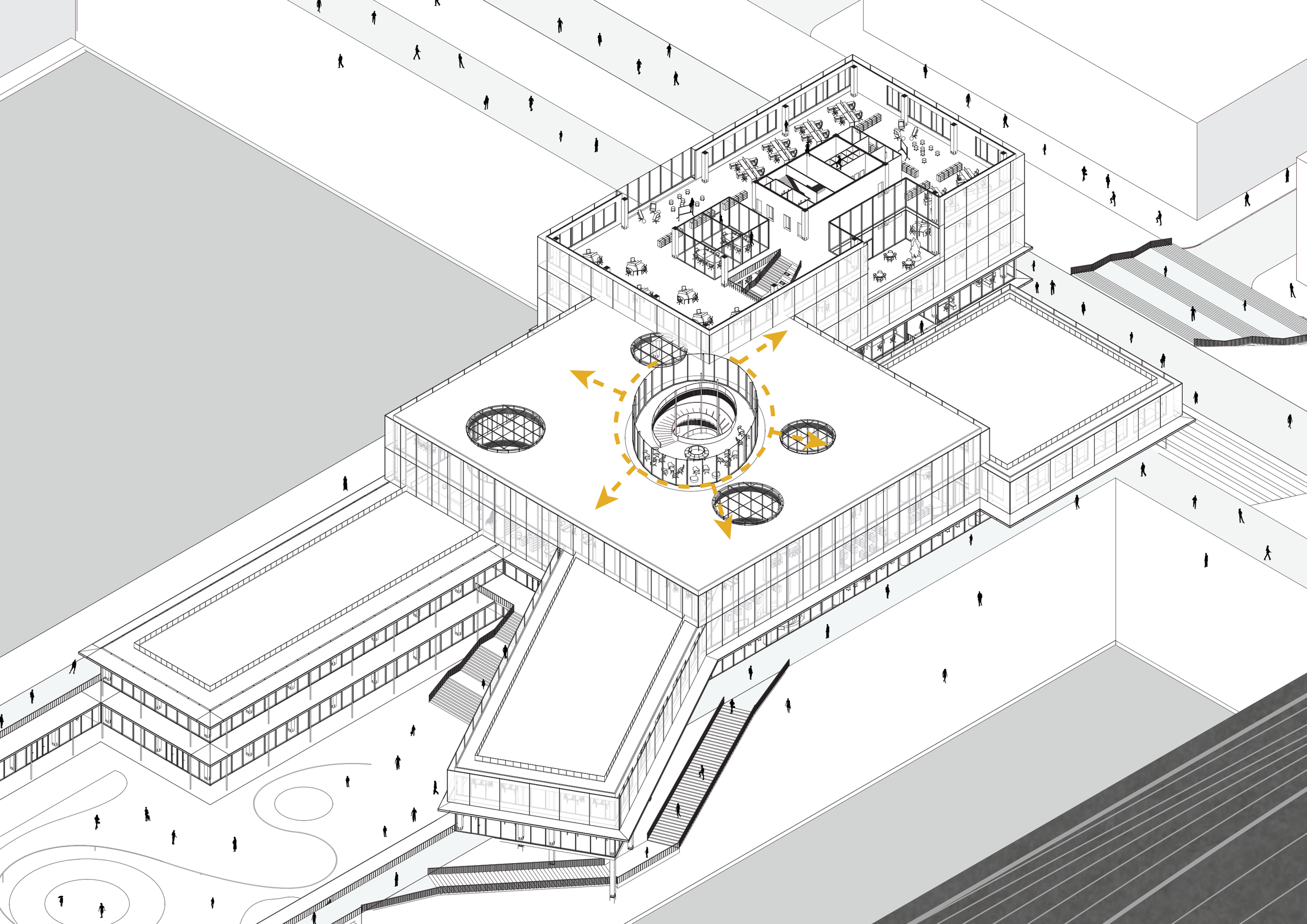


Discover
Learning space

More permanent divisions



Rooftop lounge





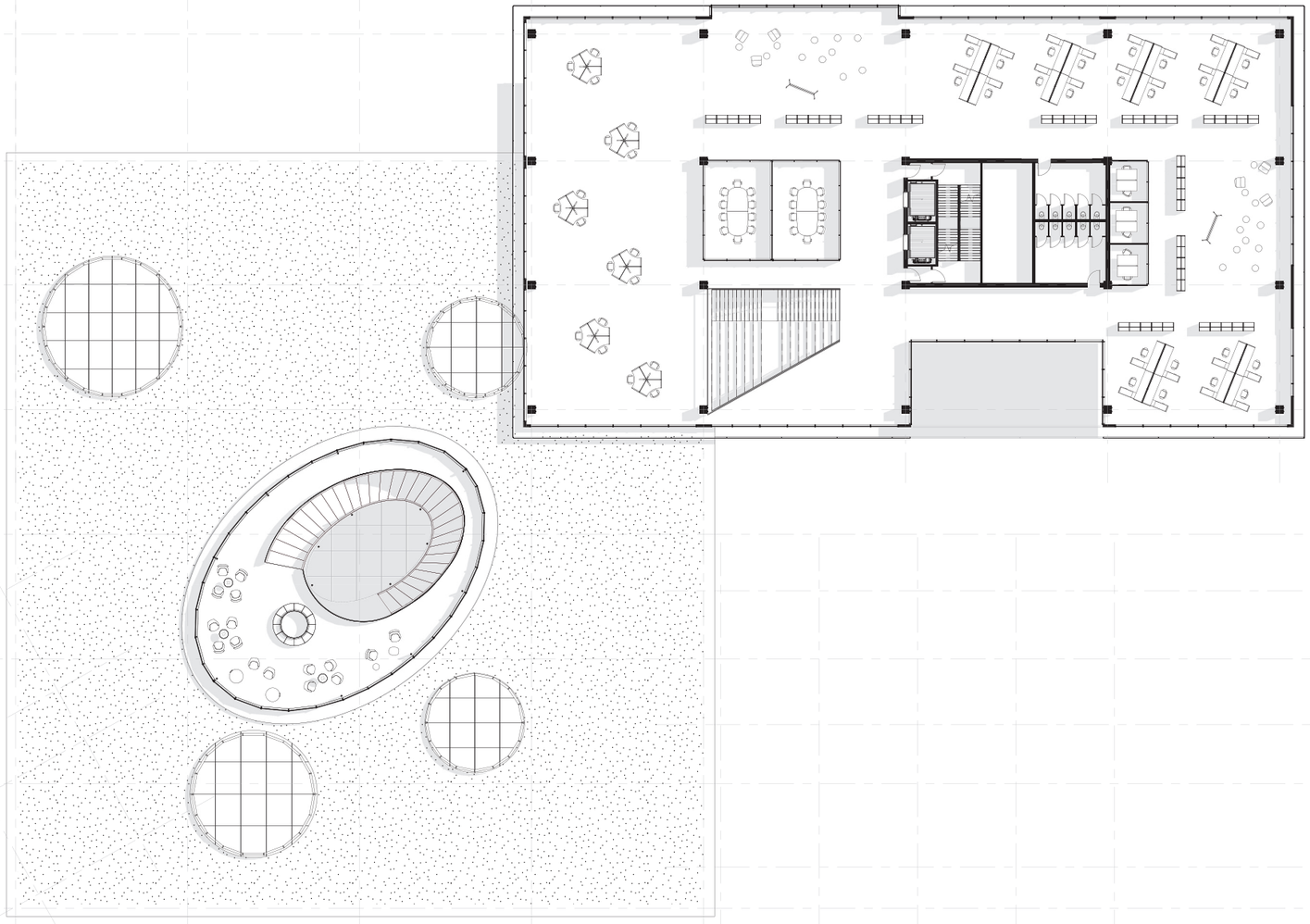
Experience
Inspiration space

Rooftop lounge



Experience
Inspiration space

Rooftop lounge



Level 5/6/7

0 5 15

115





Experience
Inspiration space

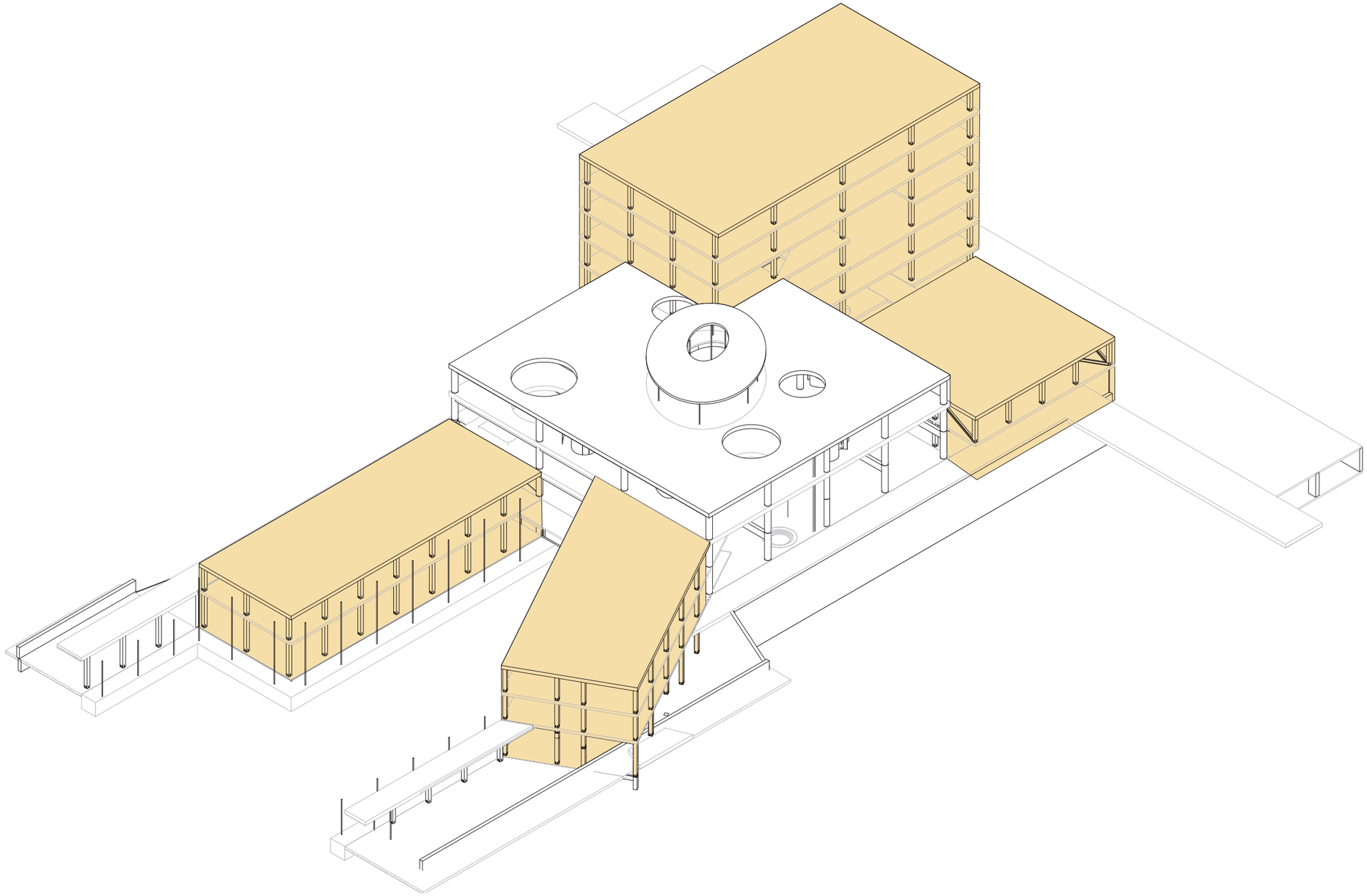


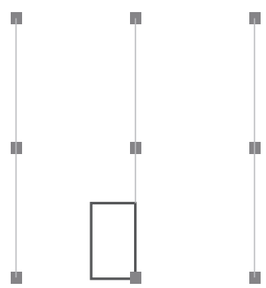
Experience
Inspiration space

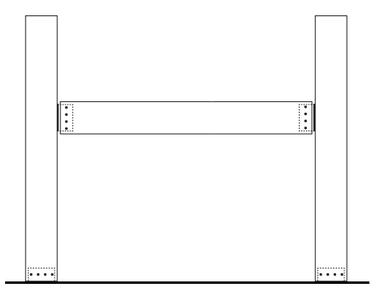


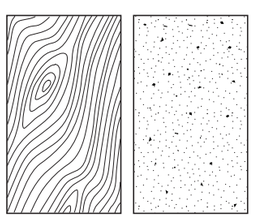
Create
Performative space

Building technology







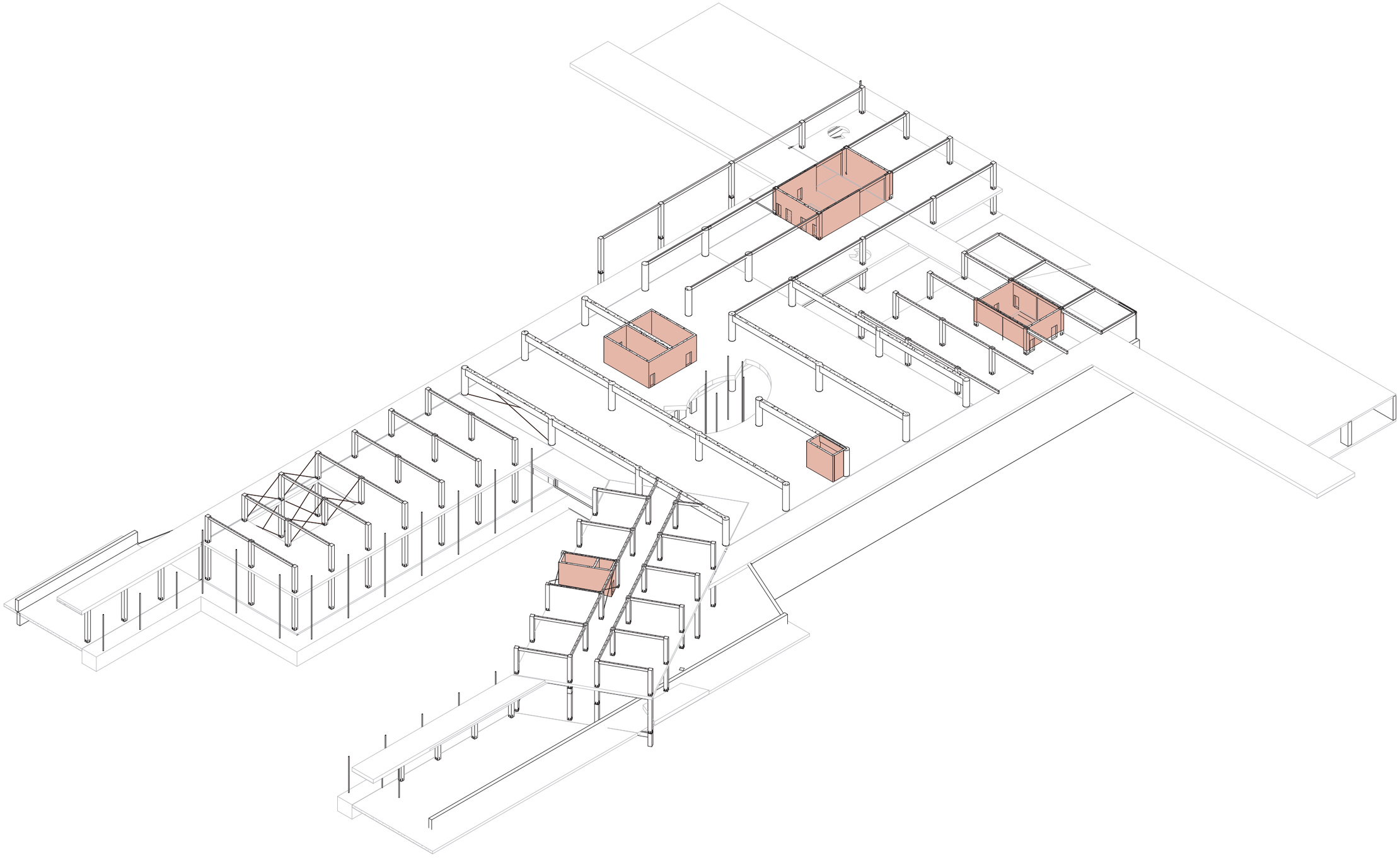


Grid with stability

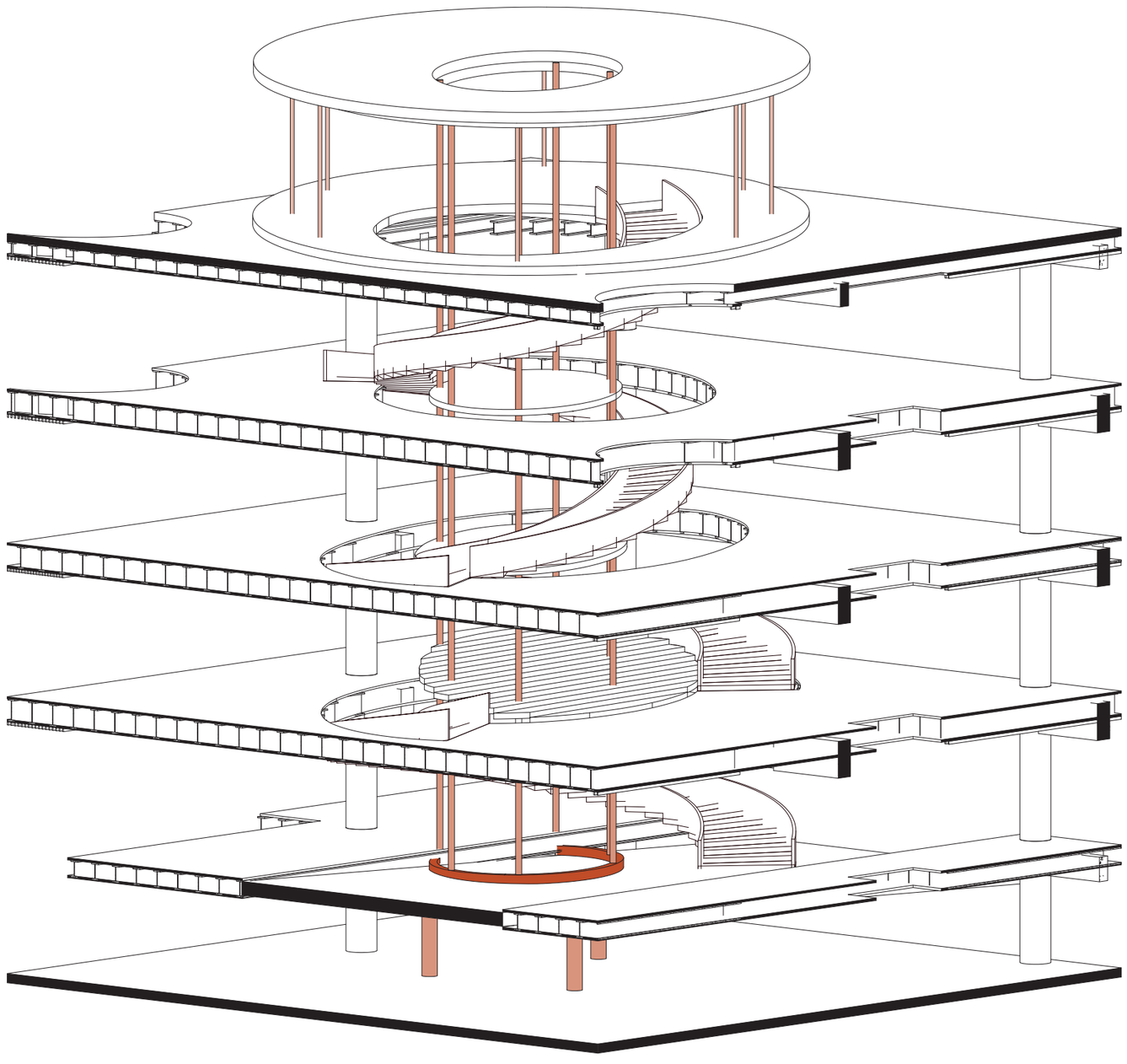
Demountable elements

Hybrid structure

Structural



Structural elements



Central staircase

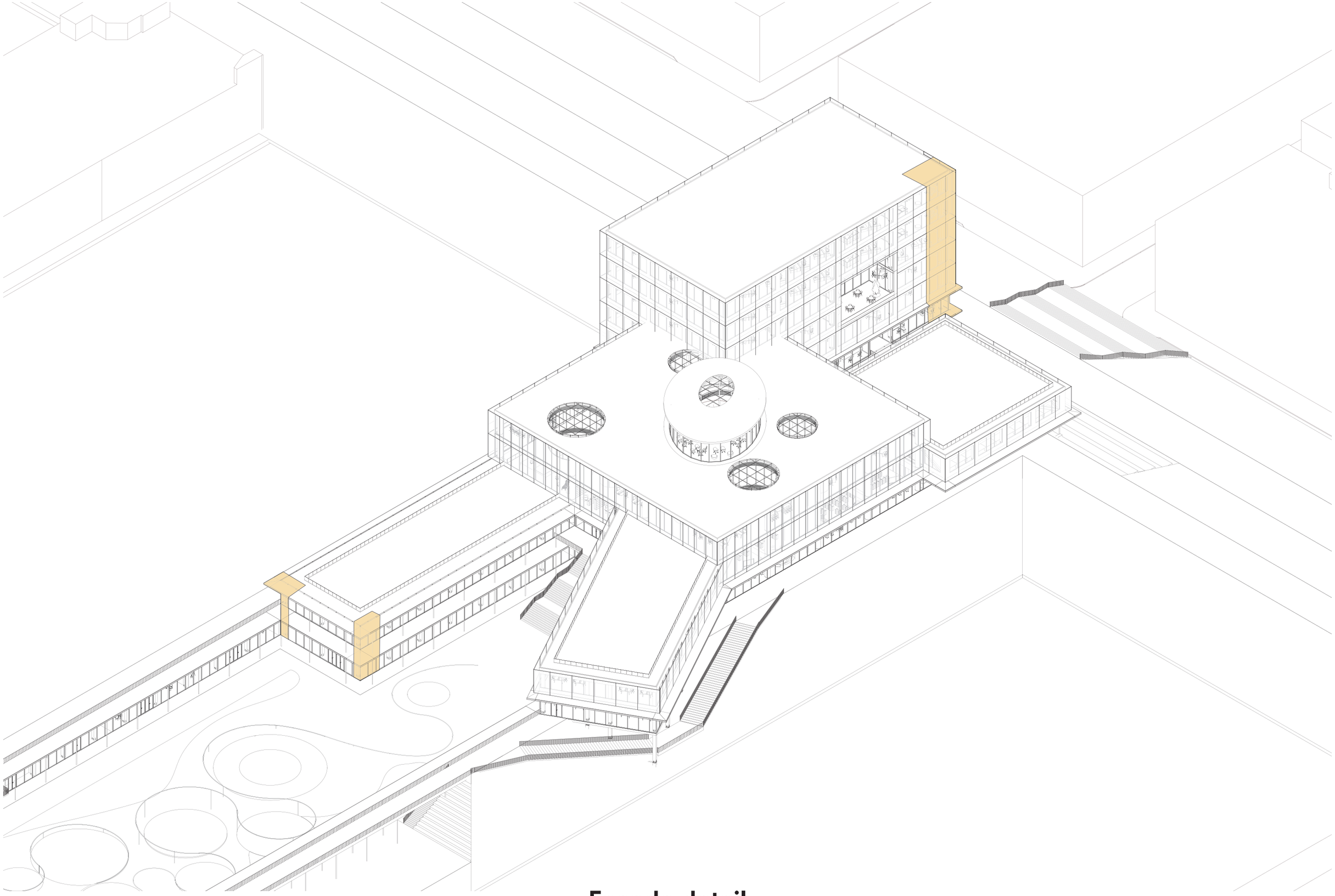
< 30 meter evacuation routes

Pre-action Fire Sprinkler Systems

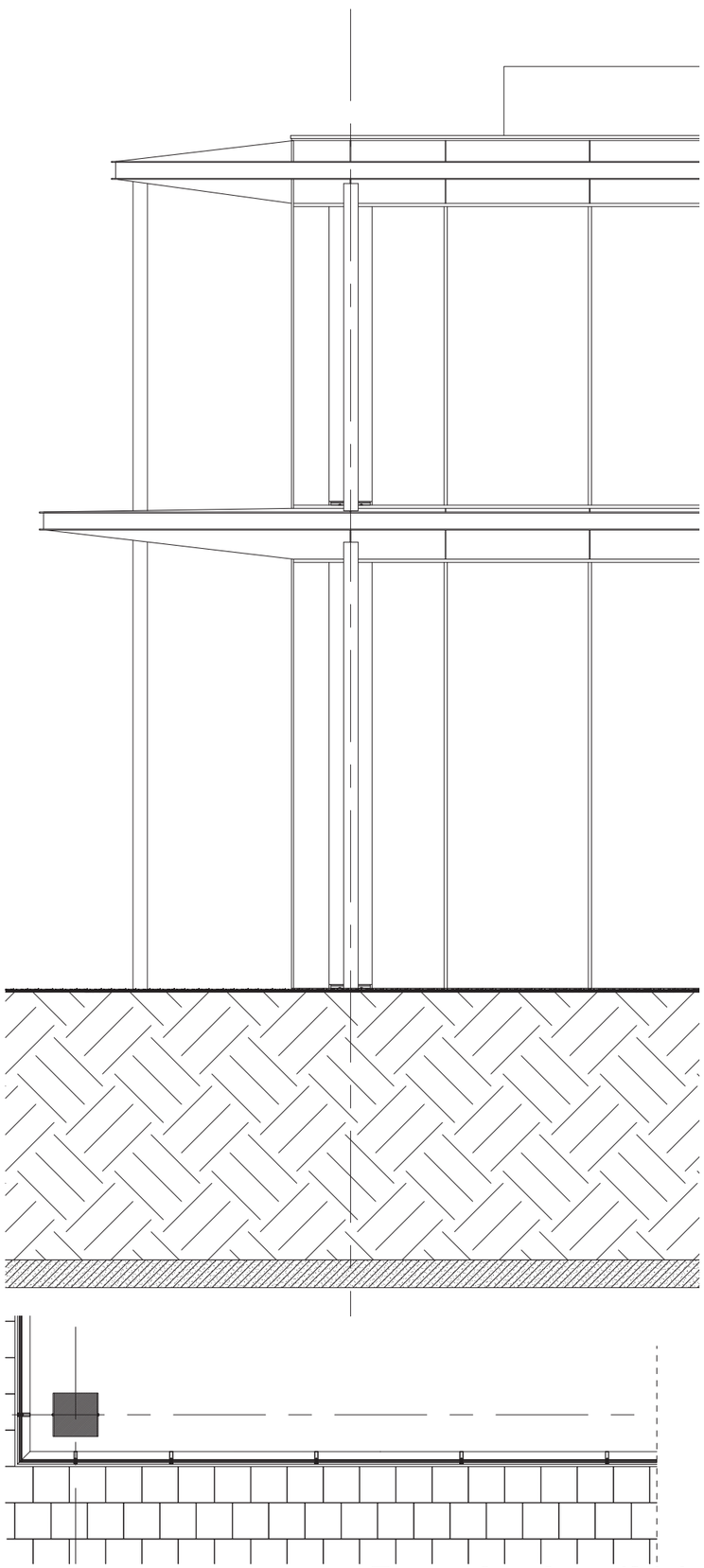
Over-dimensioned structure

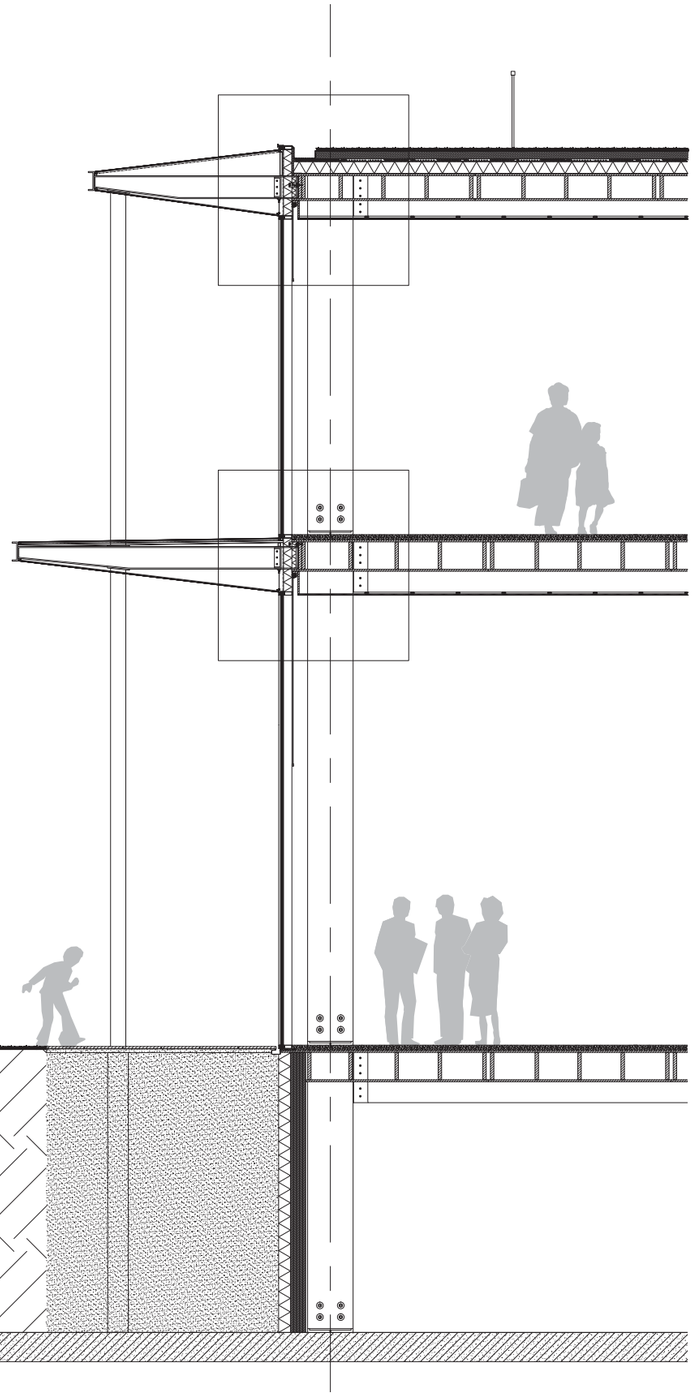
Fire safety

0 5 15

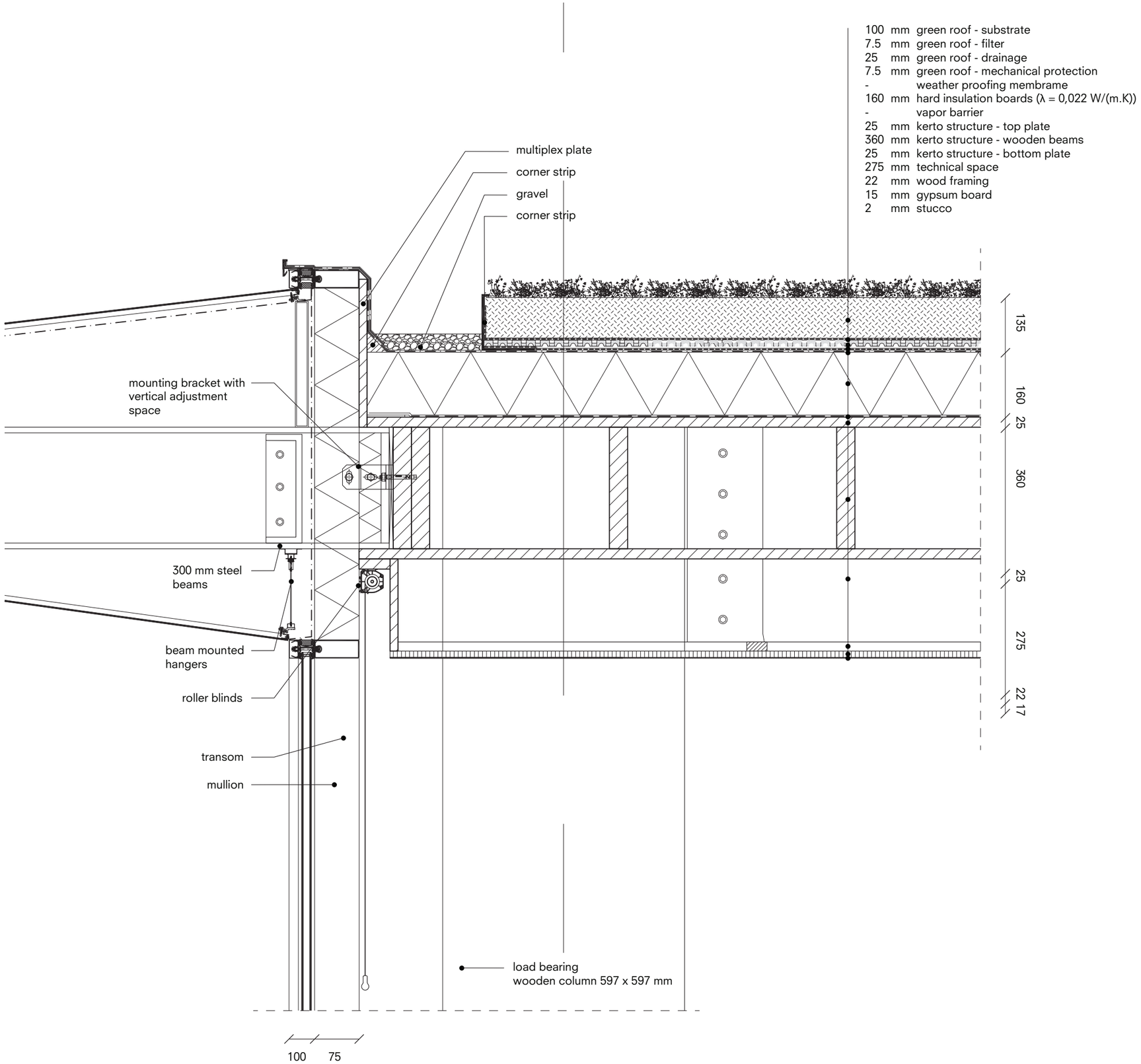


Facade detail

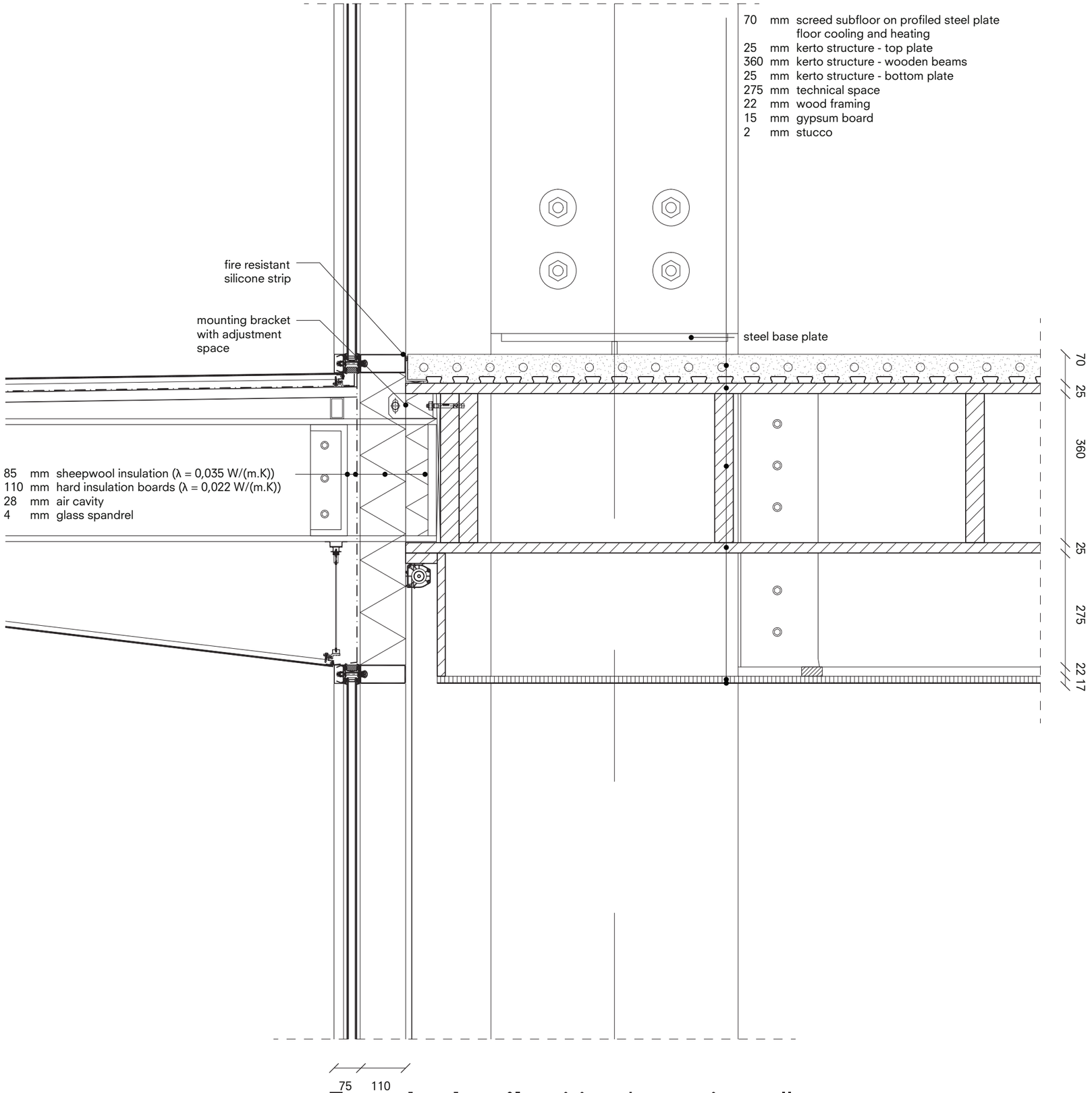




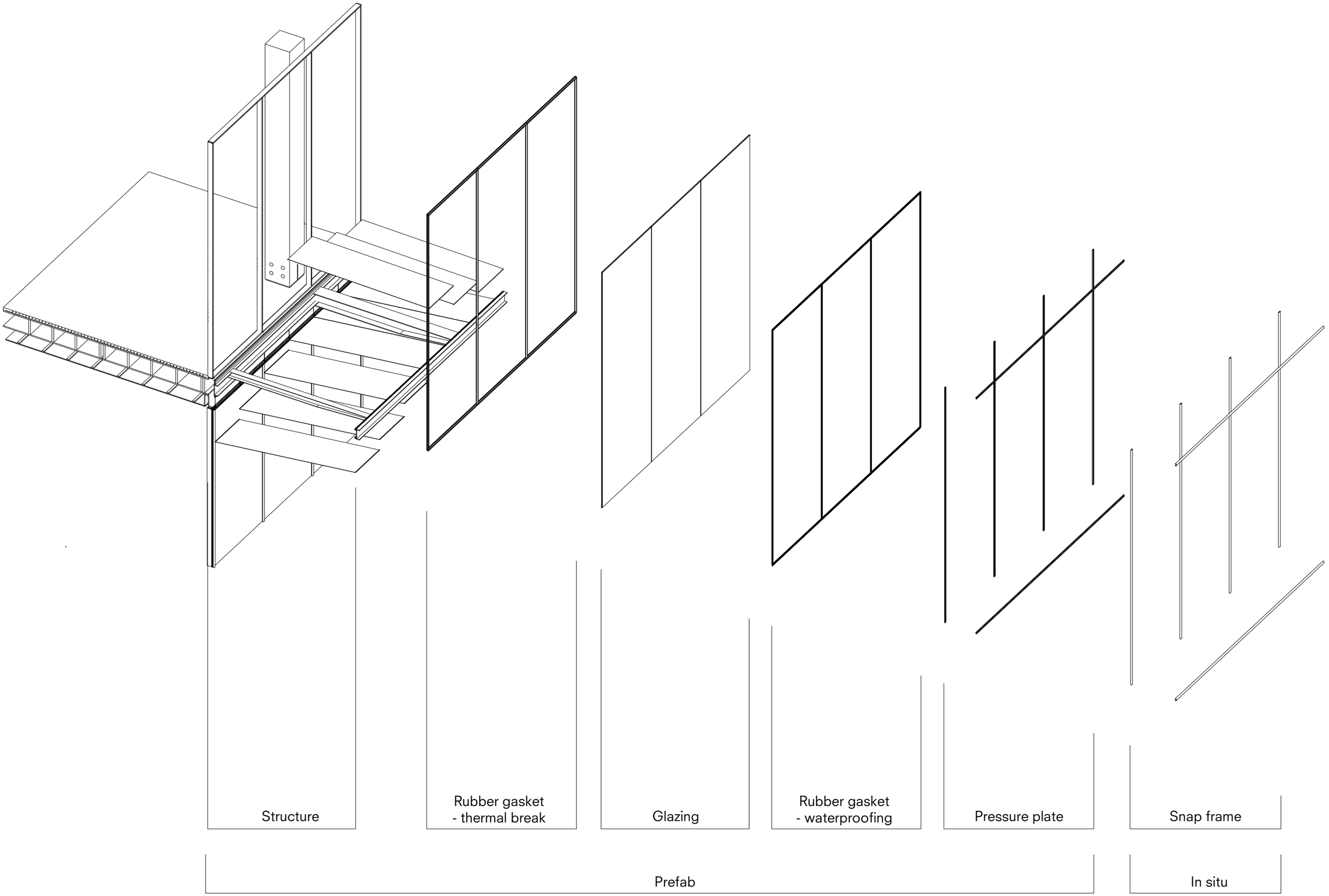
Facade detail blending outside and inside



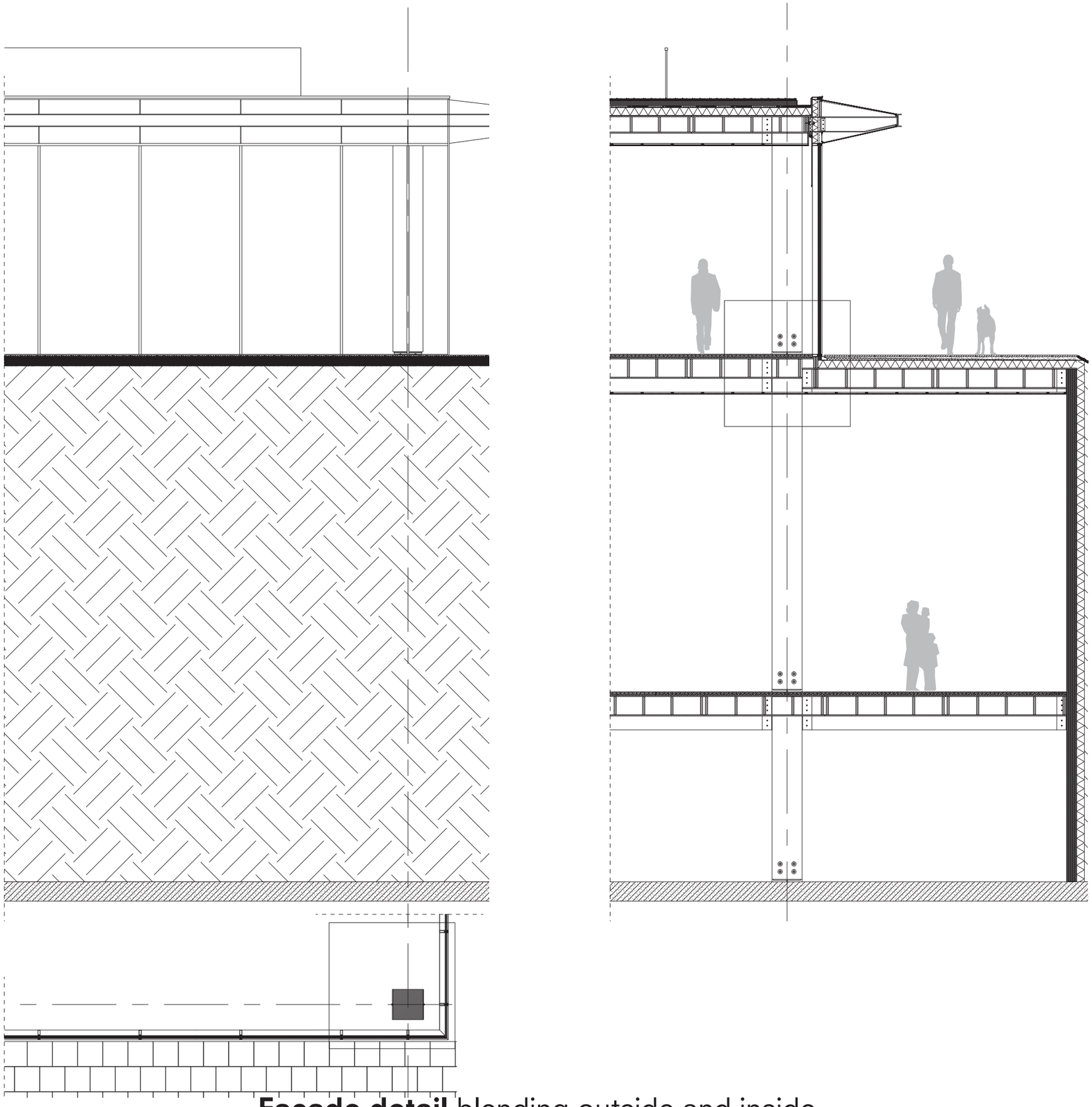
Facade detail unitised curtain wall



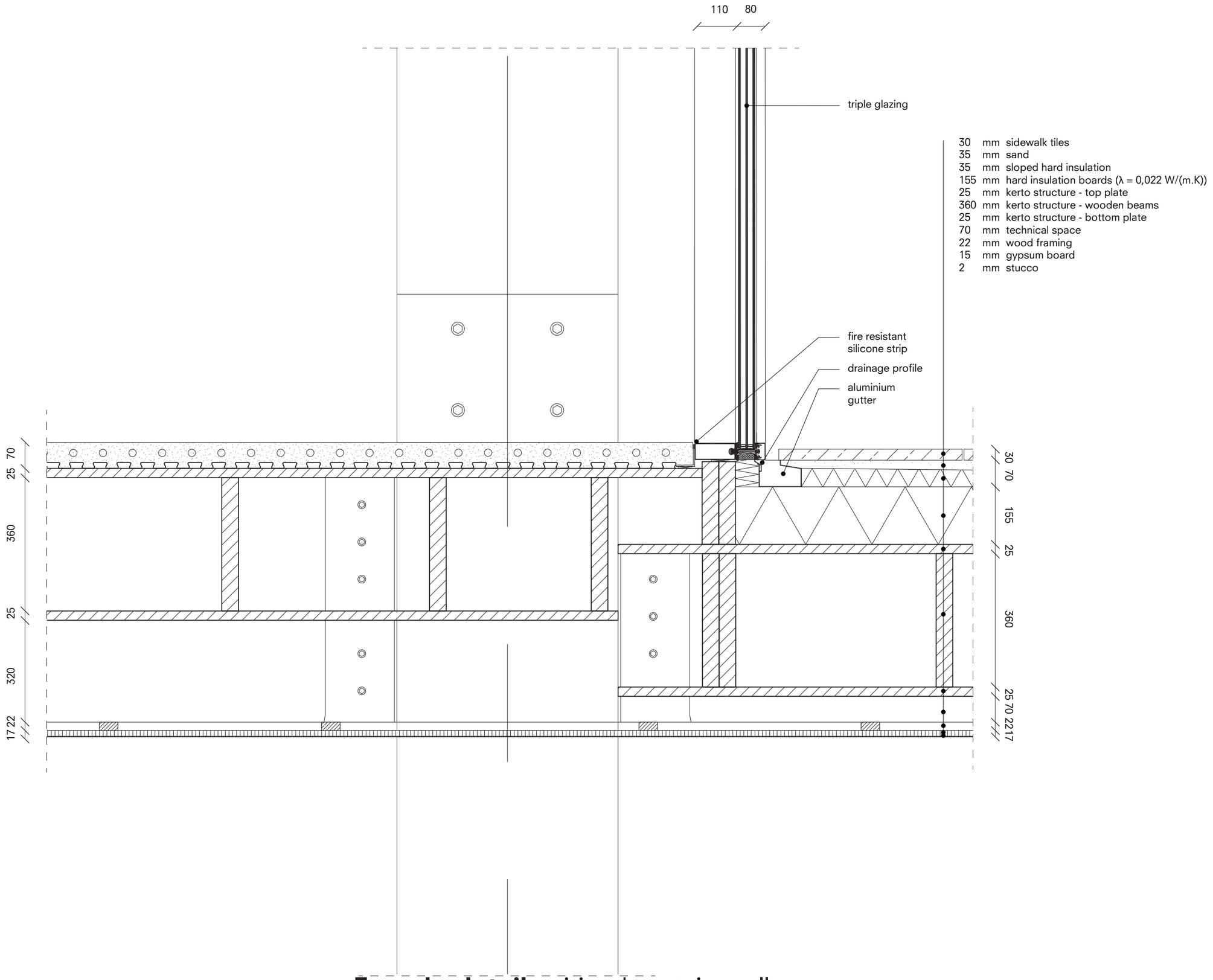
Facade detail unitised curtain wall



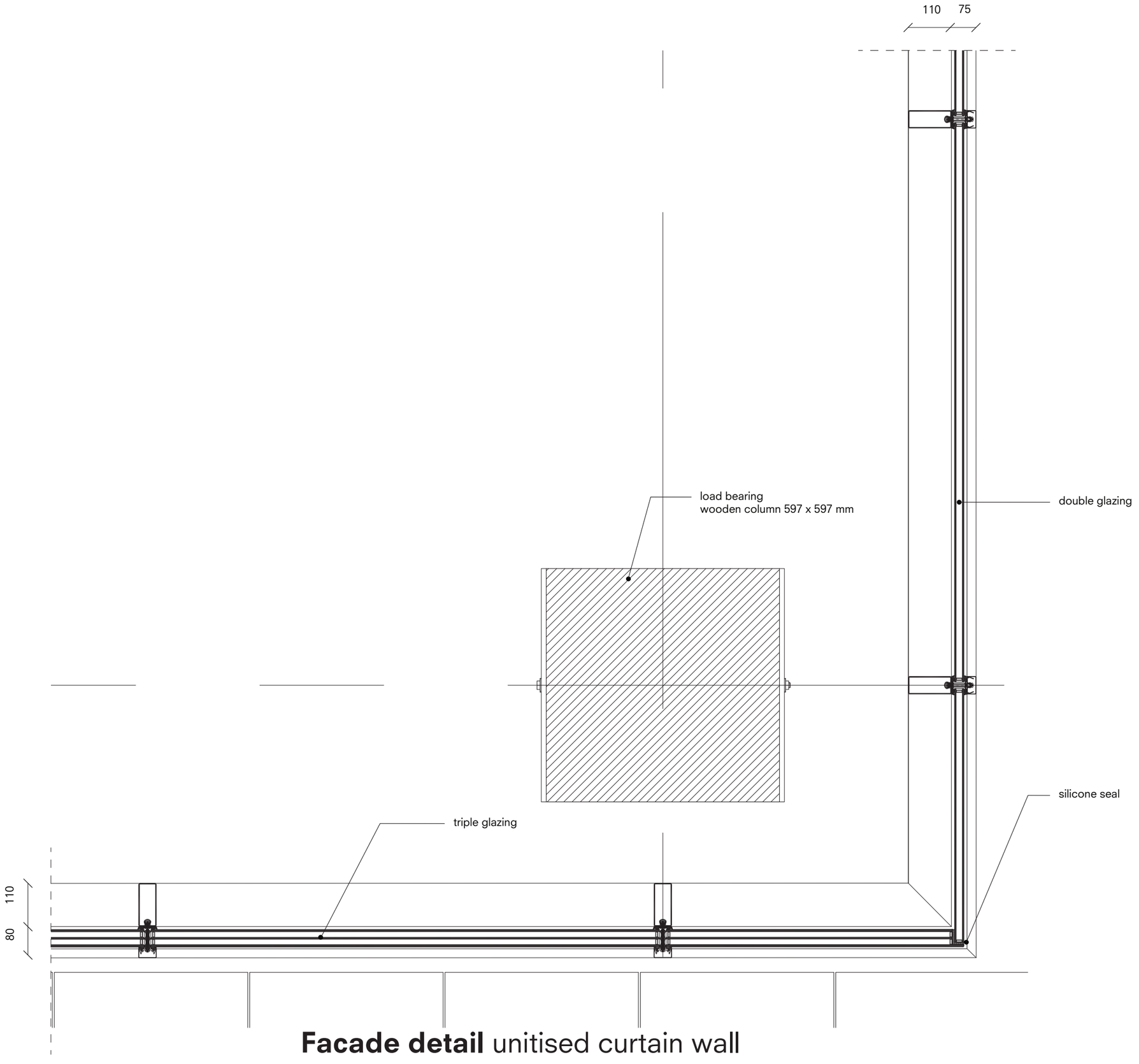
Facade detail unitised curtain wall



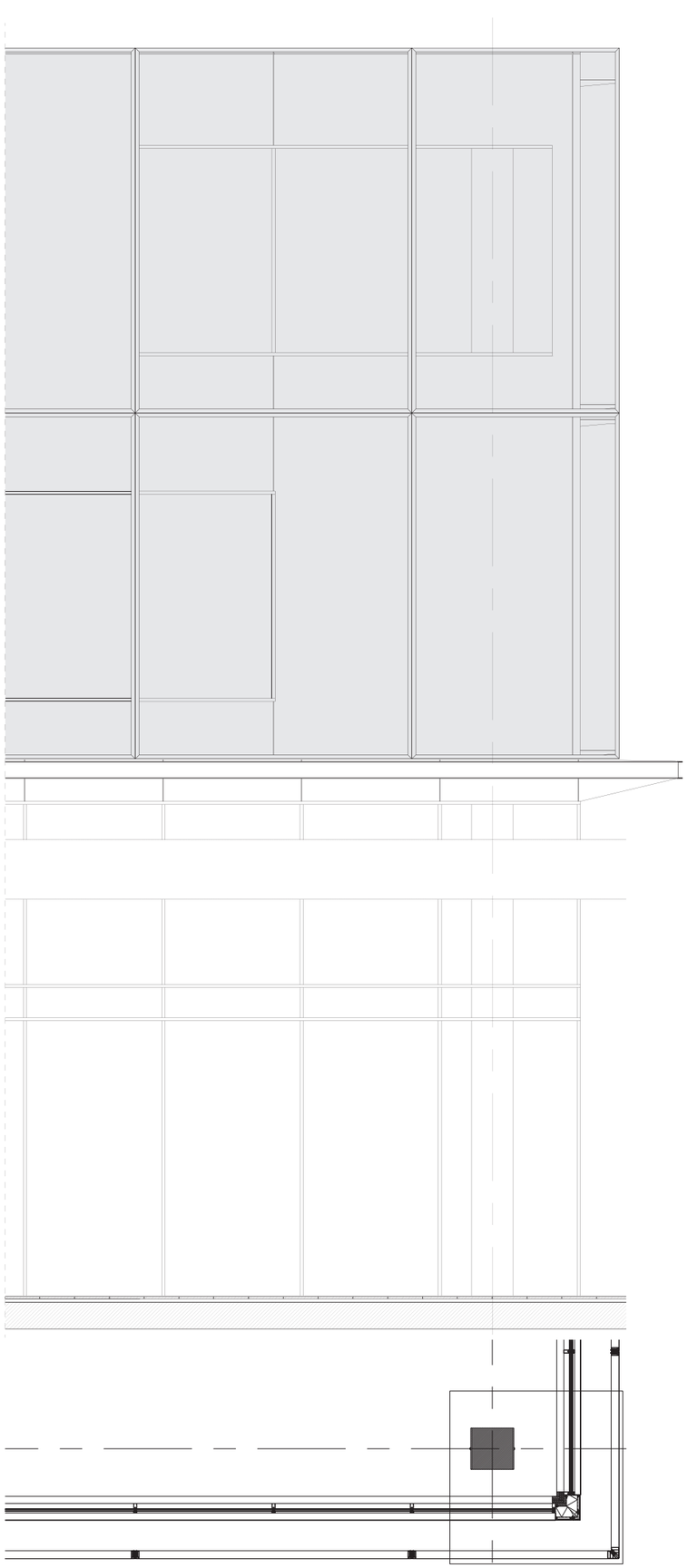
Facade detail blending outside and inside

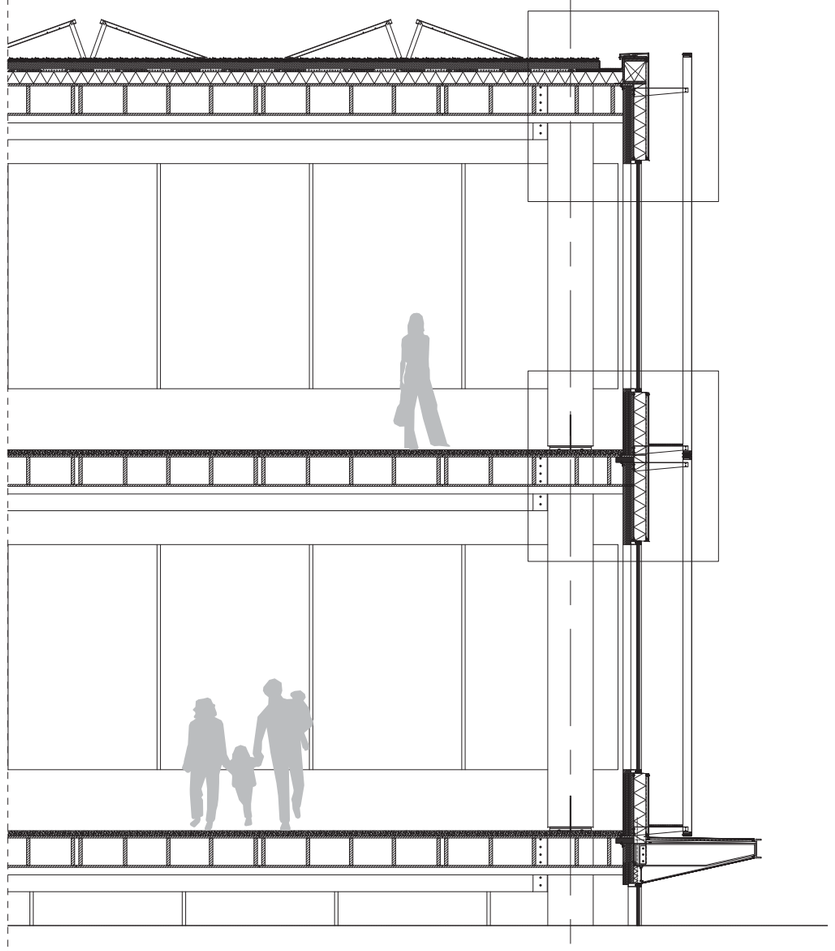


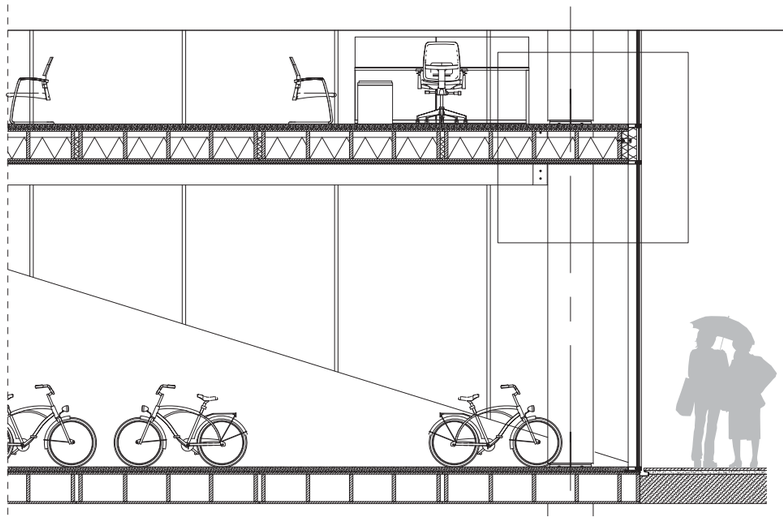
Facade detail unitised curtain wall



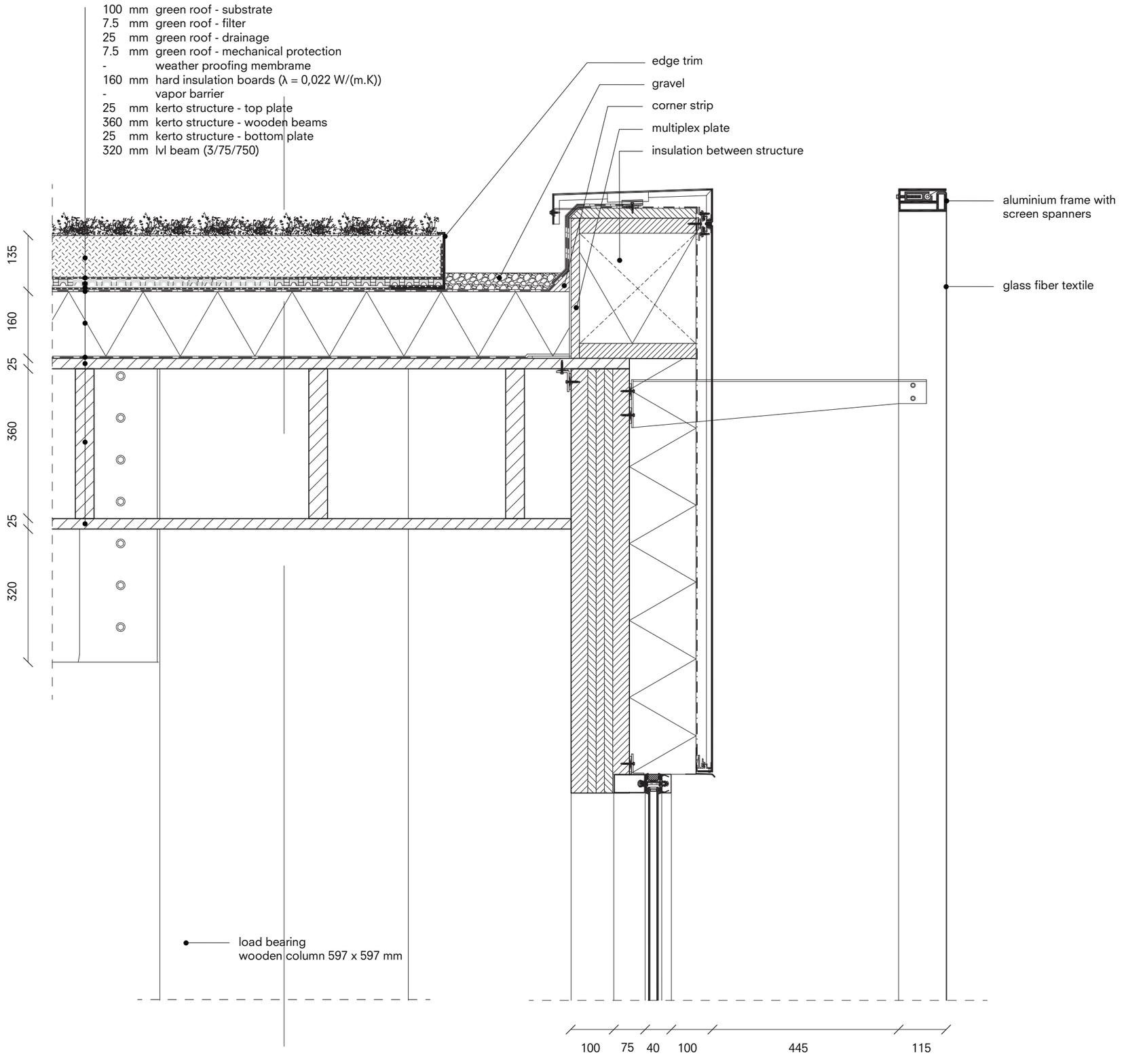
Facade detail unitised curtain wall



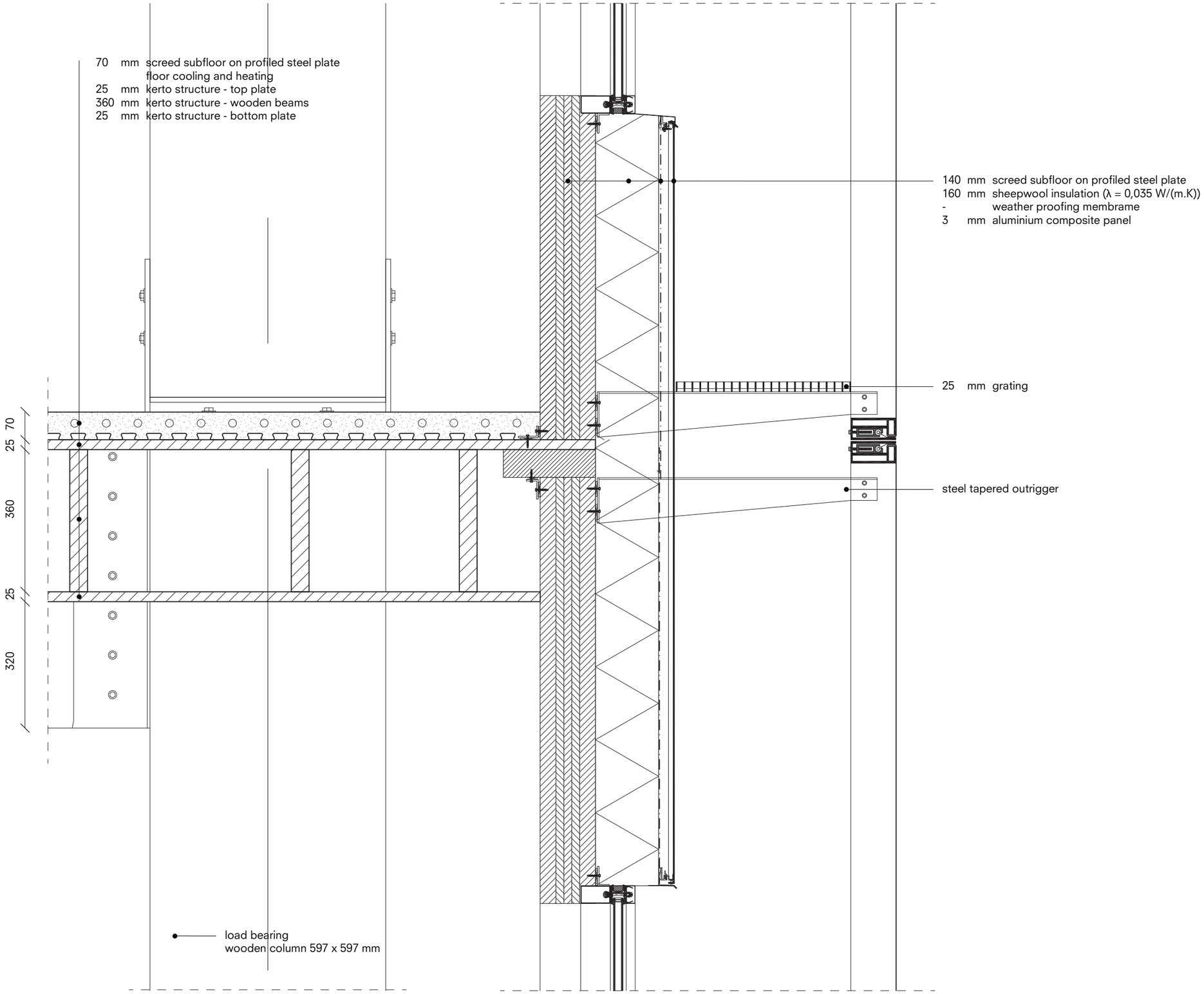




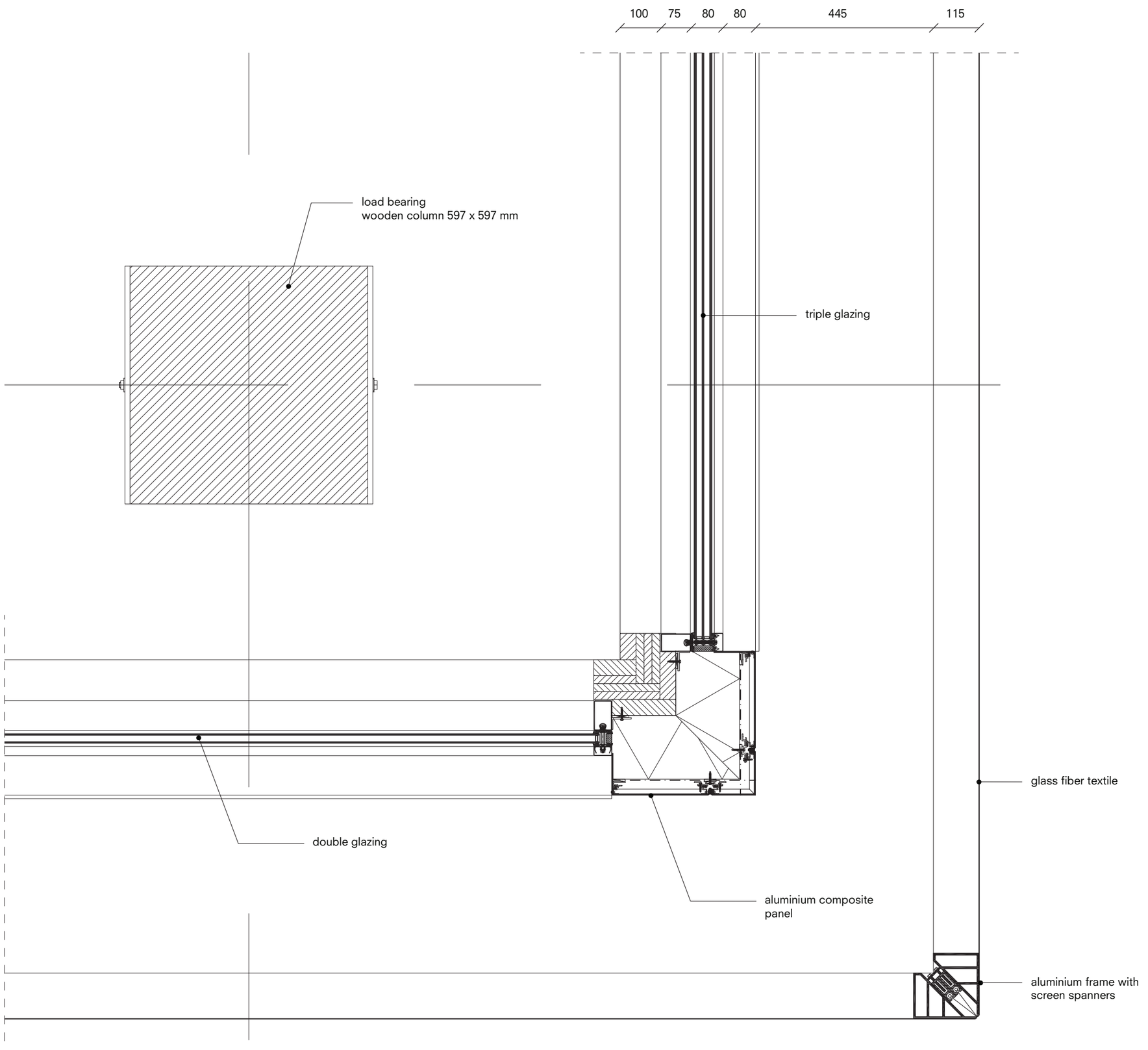
Facade detail fabric screen



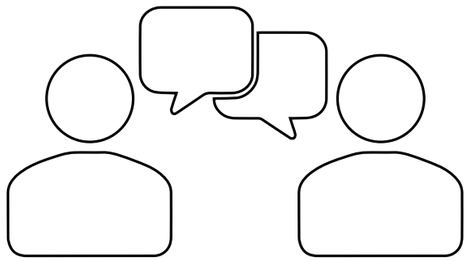
Facade detail prefab clt elements



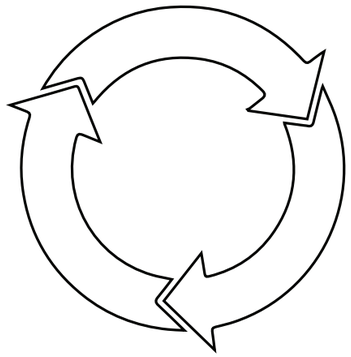
Facade detail prefab clt elements



Facade detail prefab clt elements

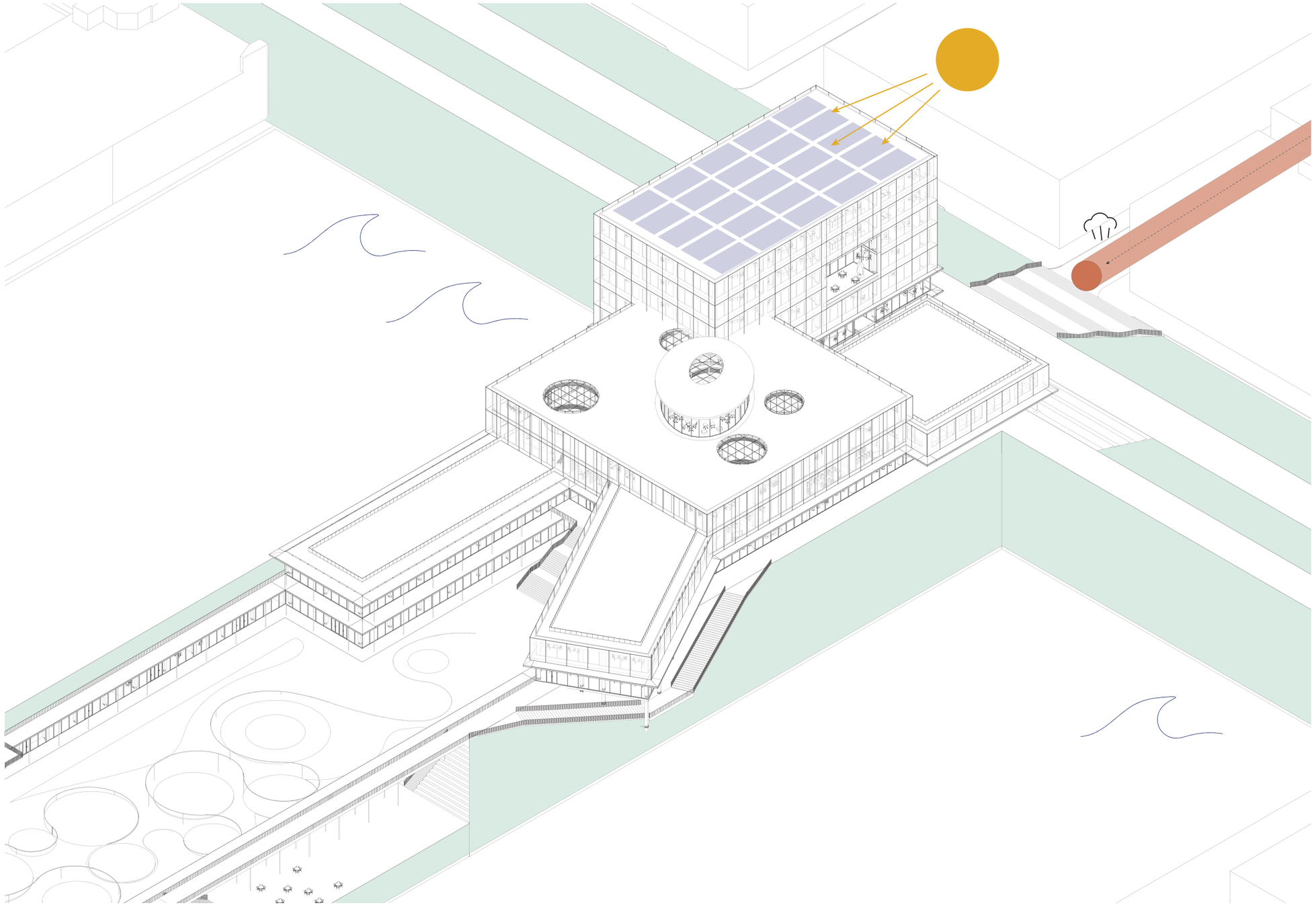


Social sustainability

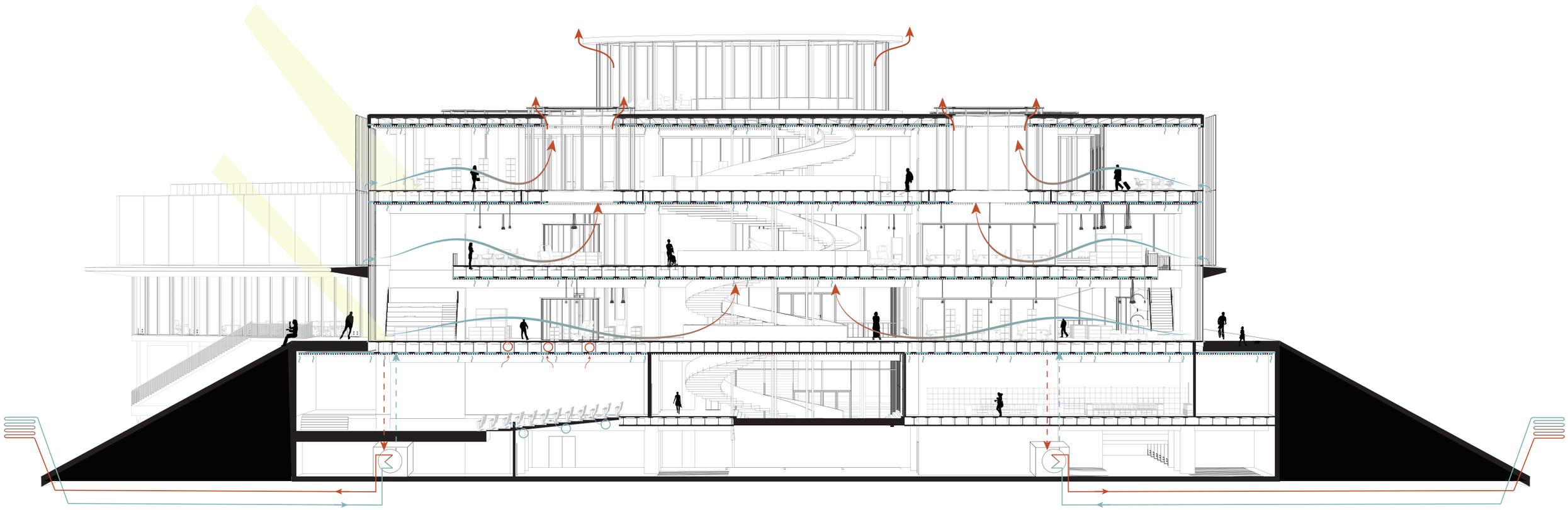


Building sustainability

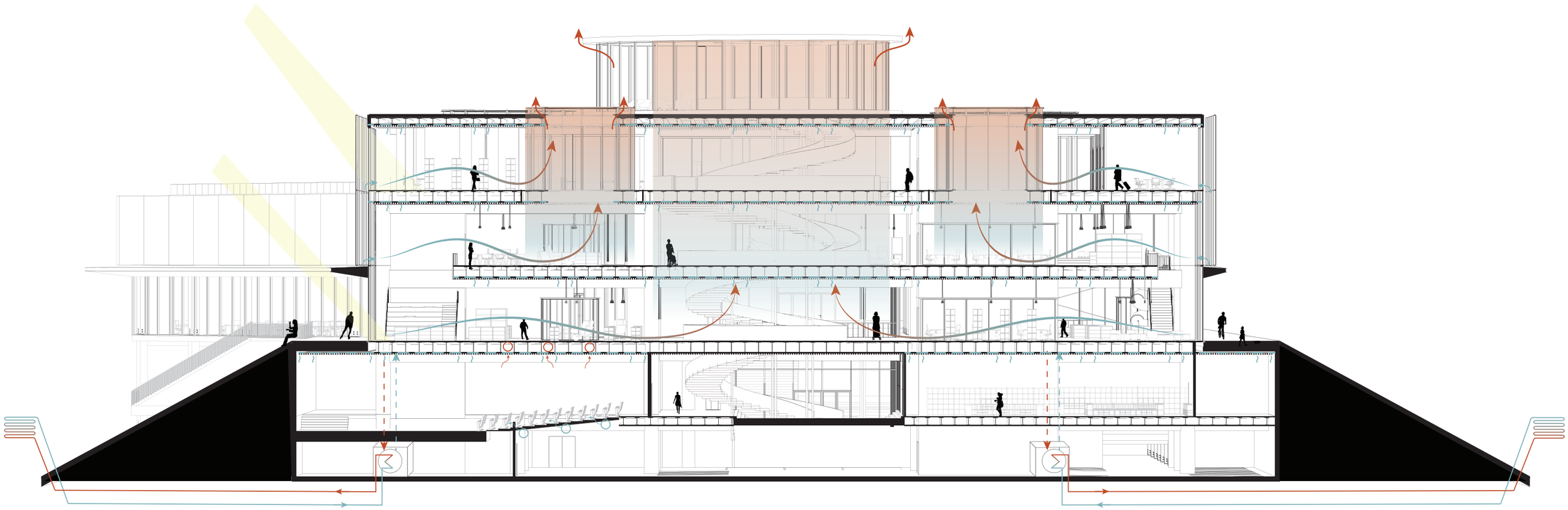
Sustainability



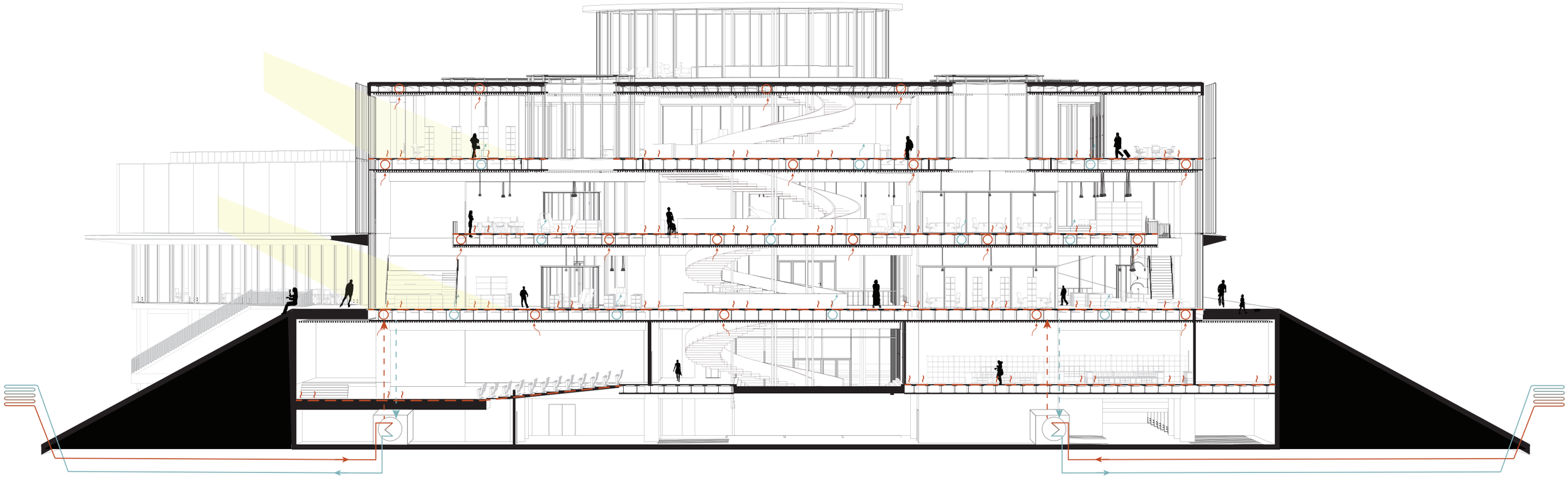
Sustainability strategy



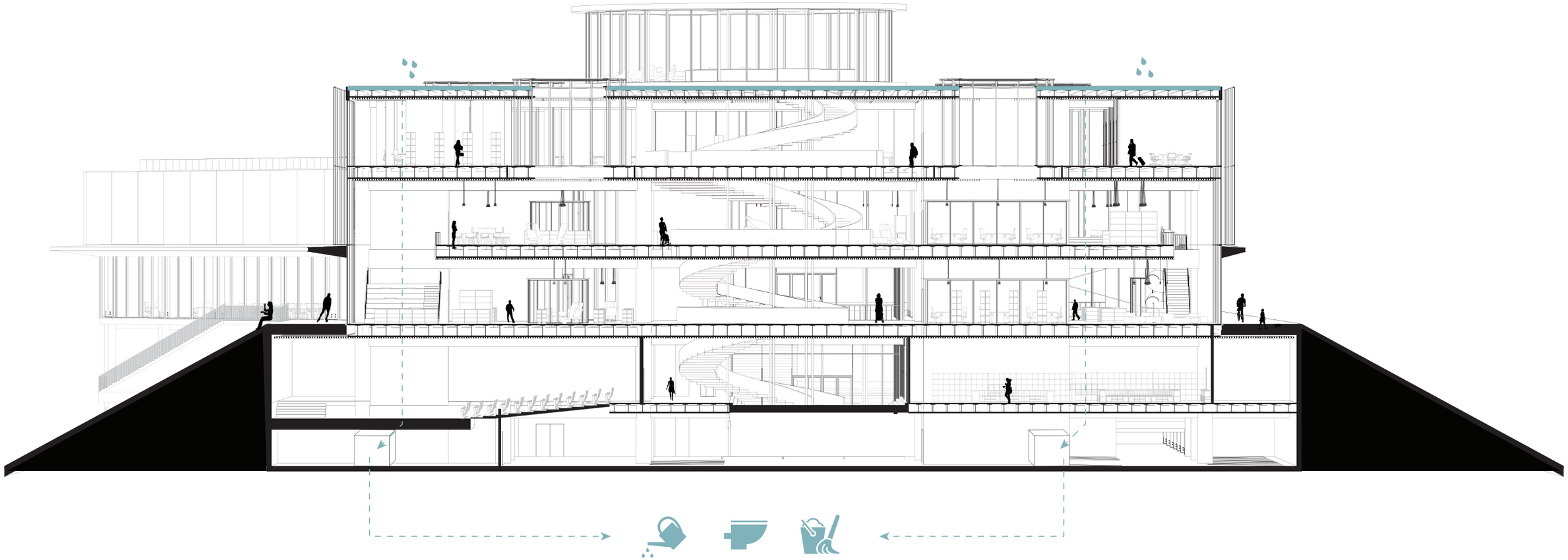
Summer natural and mechanical systems combined



Summer heat stacking effect



Winter mechanical systems

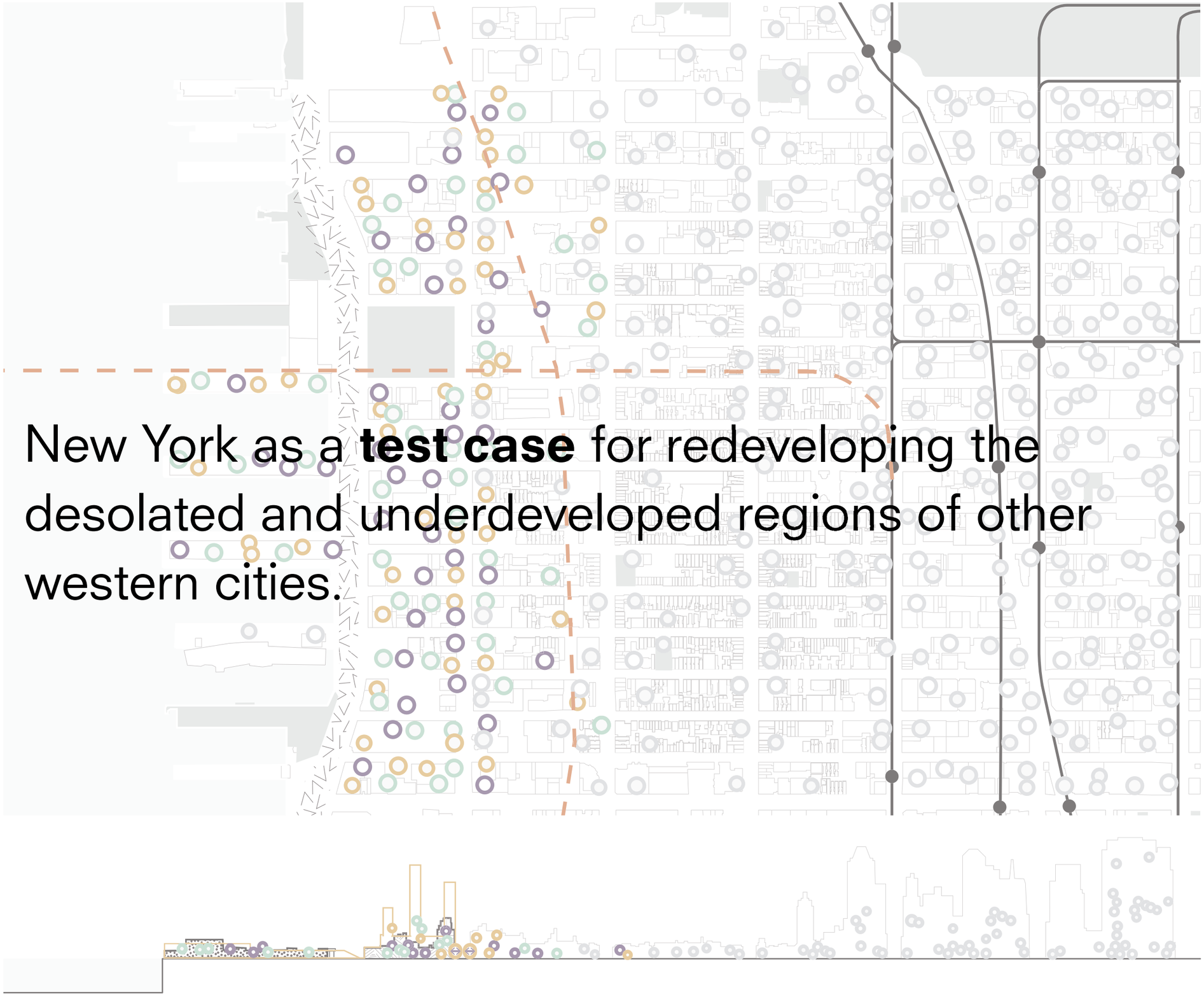


Water retention

Conclusion

“How can a new type of inspiration lab bring people together and spark an all-inclusive redevelopment in the post-industrial waterfront of Midtown New York?”

Research question



New York as a **test case** for redeveloping the desolated and underdeveloped regions of other western cities.

The goal is to achieve an all-inclusive development, interventions should, therefore, also be aiming for an **inclusive** and bottom-up approach.



Activating the region



Promote equal acces and reduce divide



Inspire people to interact and share knowledge

Creating a **catalyst** that can both spark development in the built environment as well as strengthen the community around it by connecting the people.

SPACE FOR CHANGE

thank you