"RE-BRIDGE"



HERITAGE ARCHITECTURE
DE BEURSGEBOUW

Qingqing Li 4694708
07. 2019

CONTENT

INTRODUCTION

ANALYSIS

1. Site Analysis
Conclusion
Research Question
2. Program

INTERVENTION STRATEGY
1. Site
2. Building

DESIGN PRODUCTS

REFLECTION

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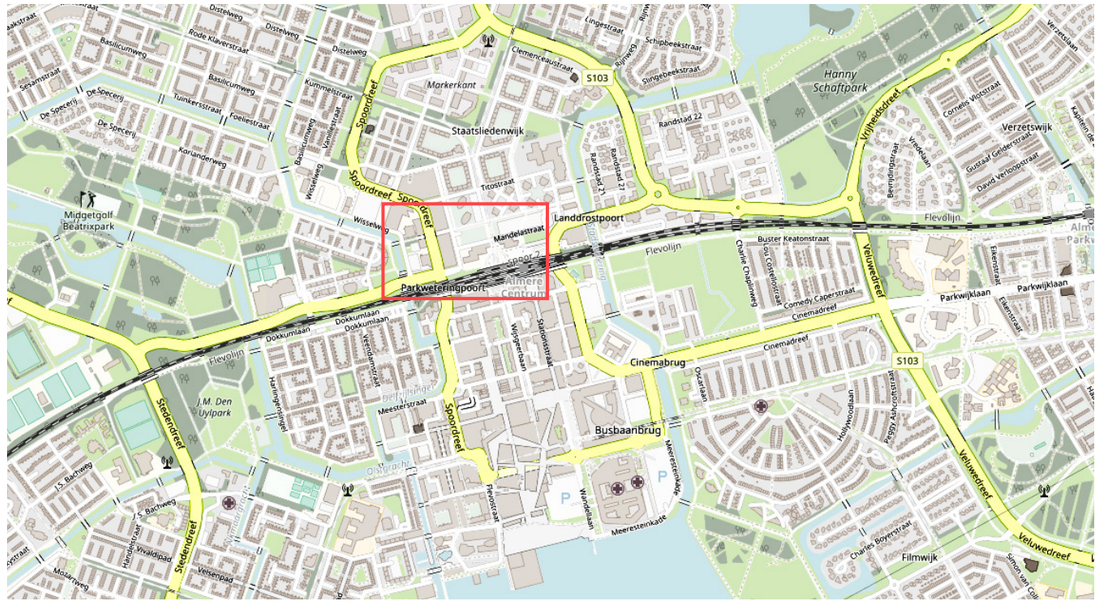
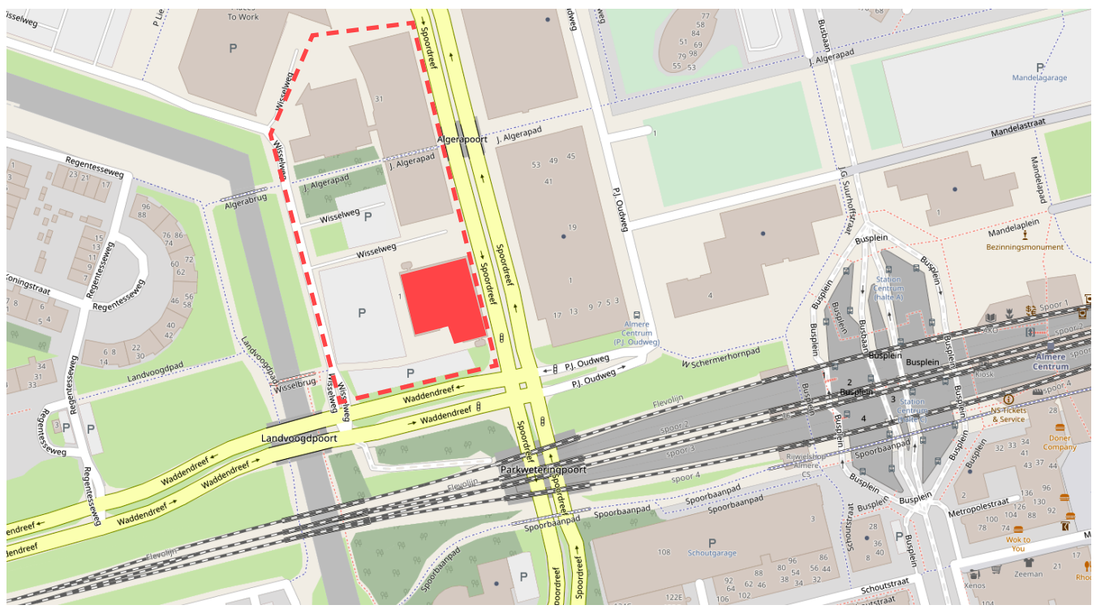
LOCATION


Groningen
Leeuwarden
Groningen
Fryslan
Assen
Drenthe
Emmen
Noord-Holland
Alkmaar
Lelystad
Zwolle
Flevoland
Amsterdam
Haarlem
Overijssel
Apeldoorn
Enschede
Leiden
Amersfoort
Den Haag
Gelderland
Utrecht
Ede
Arnhem
Zuid-Holland
Rotterdam
Nijmegen
Dordrecht
's-Hertogenbosch
Breda
Noord-Brabant
Middelburg
Tilburg
Eindhoven
Oberhausen
Herne
Essen
Zeeland
Venlo
Duisburg
Krefeld
Brugge
Antwerpen
Limburg
Neuss
Solingen
Gent
Leverkusen
Koln
Bruxelles
- Brussel
Heerlen
Maastricht
Aachen
Bonn
Liège
Lille


S103
Markerkant
Staatsliedenwijk
Hanny Schaftpark
Landdrostpoort
Parkwetering poort
Almere Centrum
Flevolijn
Cinemabrug
Busbaanbrug
Parkwijklaan
Midgetgolf Beatrixpark
J.M. Den Uylpark


Algerapoort
J. Algerapad
Mandelastraat
Wisselweg
Regentesseweg
Algeraburg
Landvoogdpad
Landvoogdpoort
Waddendreef
Spoordreef
Parkwetering poort
P.J. Oudweg
W. Schermerhornpad
Busplein
Spoorbaanpad
Schoutgarage
Mandelaplein
Bezinningsmonument
Almere Centrum
Metropolenstraat
Schoutstraat

BUILDING INFORMATION







ARCHITECT & CONSTRUCTOR:
E.D. Partnership of architects and engineers Amersfoort

- 1979: Designed
- 1981: Built (as the first office building in Almere Stad)
- 1983-1986: Construction of ABN Amro office building
- 1992: Glass facade and canopy renovation
- 2008: Vacant
- Now: Demolition of ABN Amro office building

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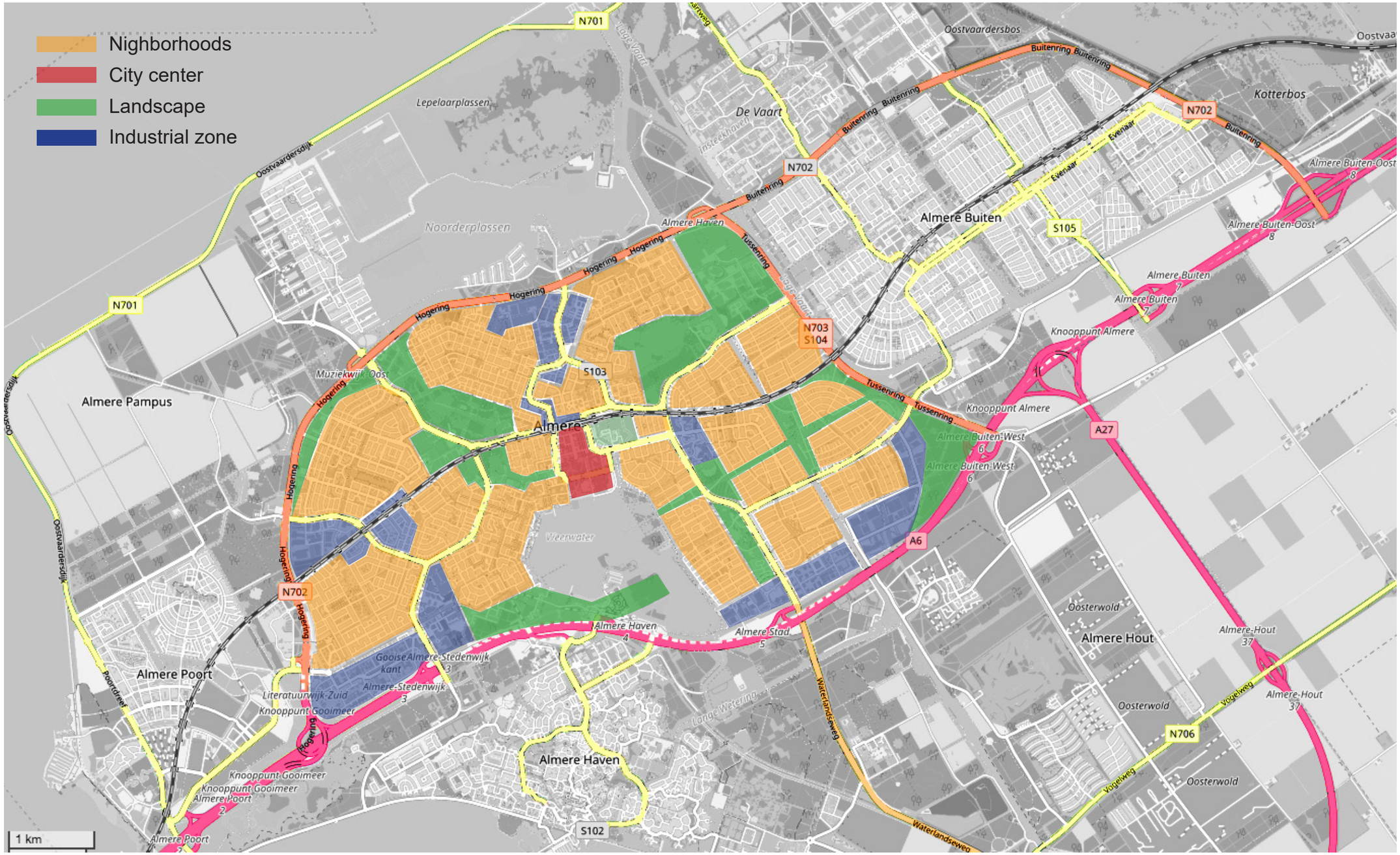
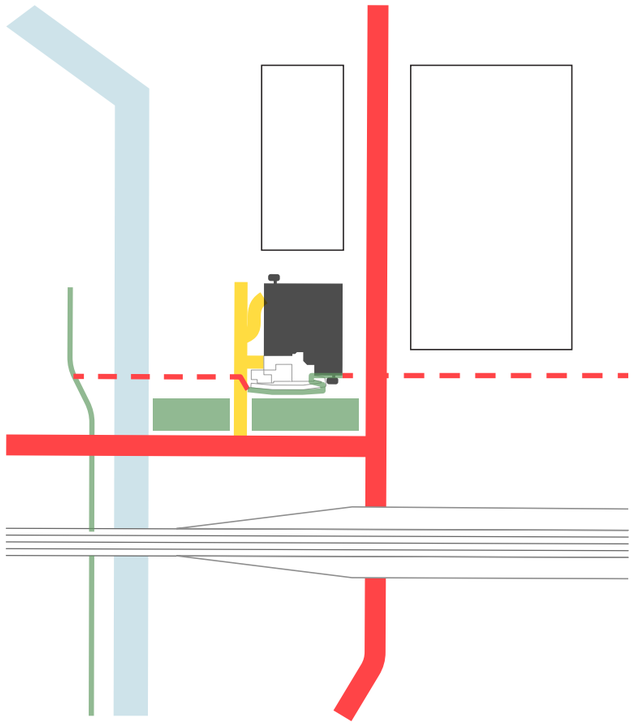
FUNCTION ZONING AND DIVISION



TRAFFIC AND SOCIAL HUB?

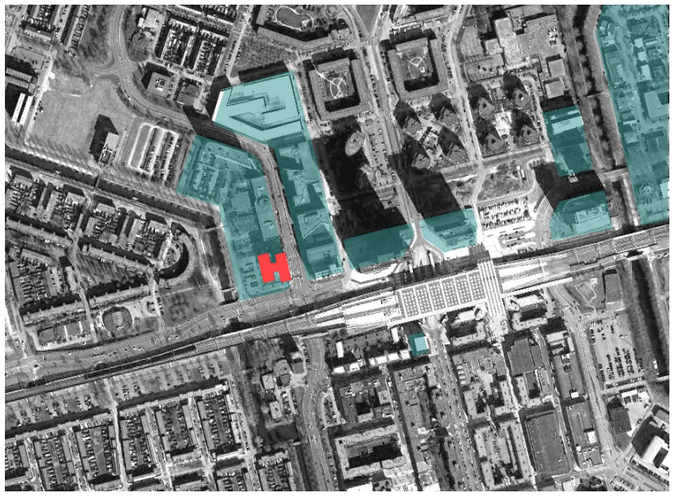


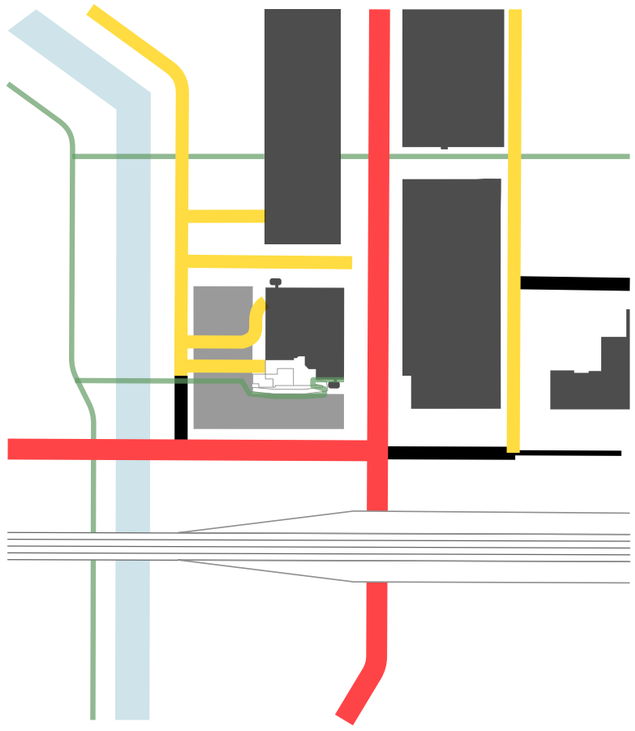


Original design in 1979



ISOLATION!



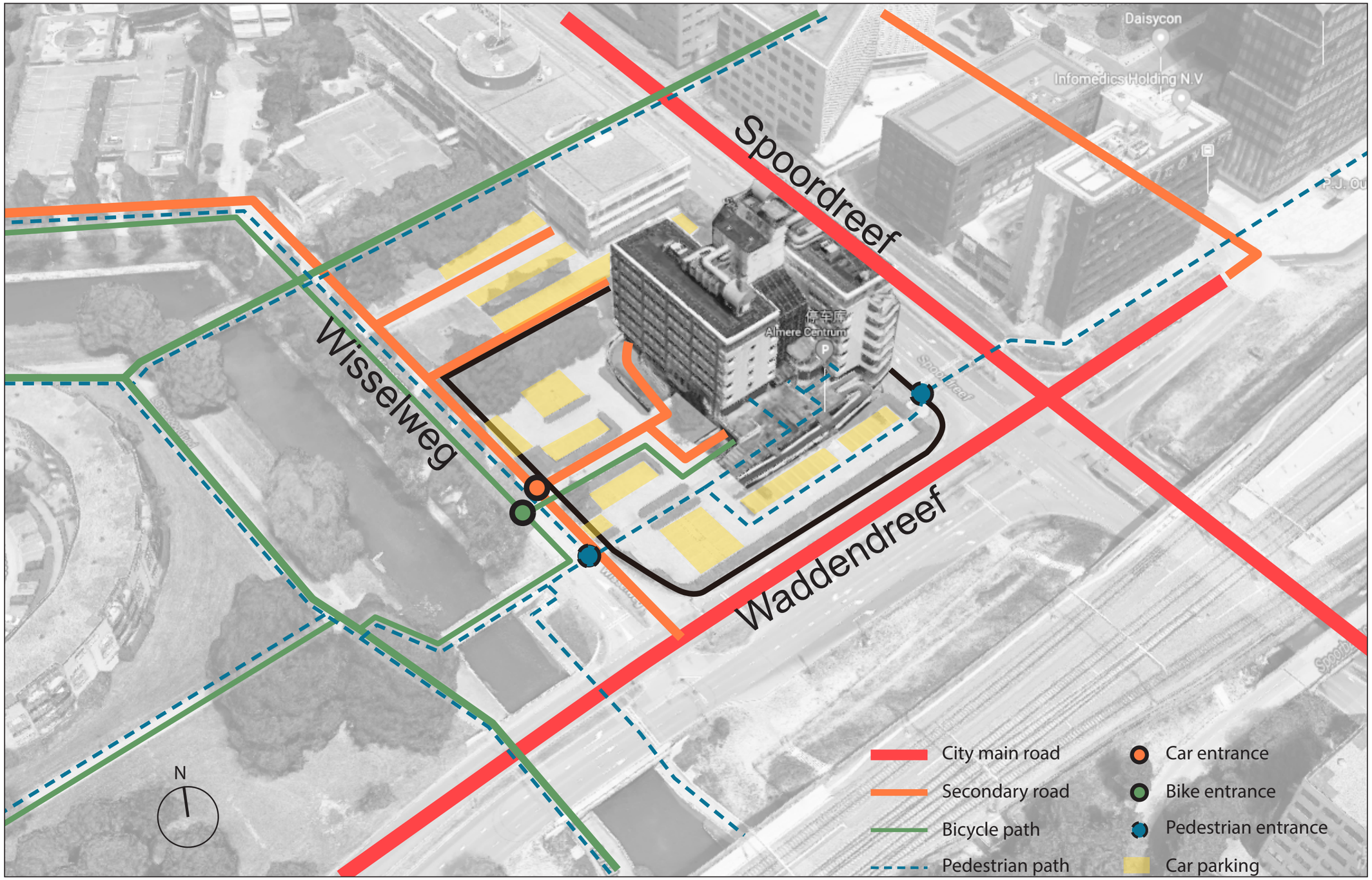


Present





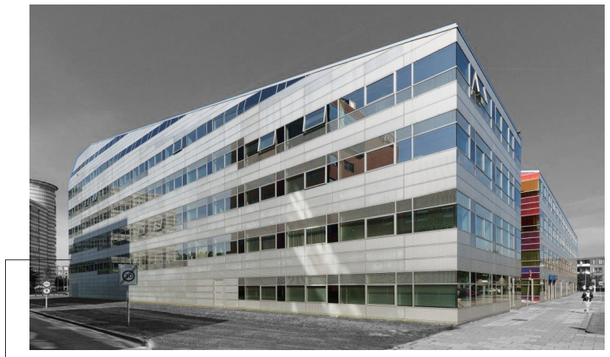
ROAD CONNECTION



APPAREANCE DEGRADATING



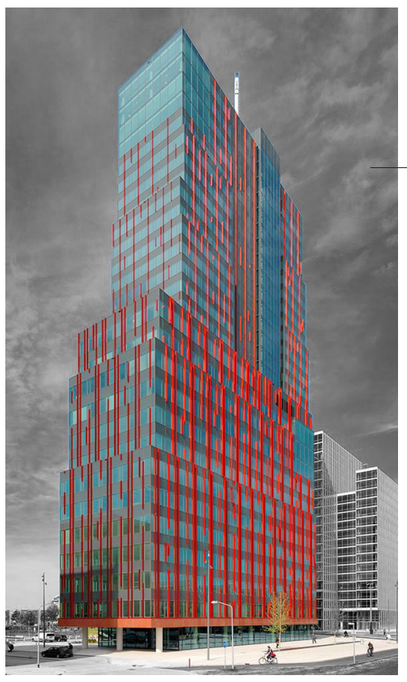






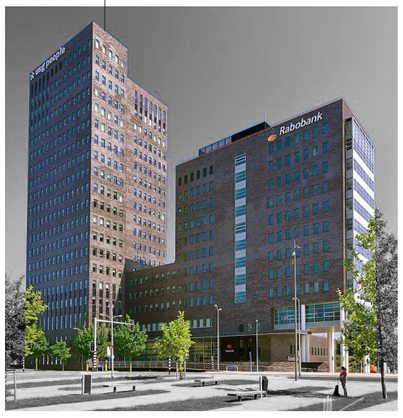








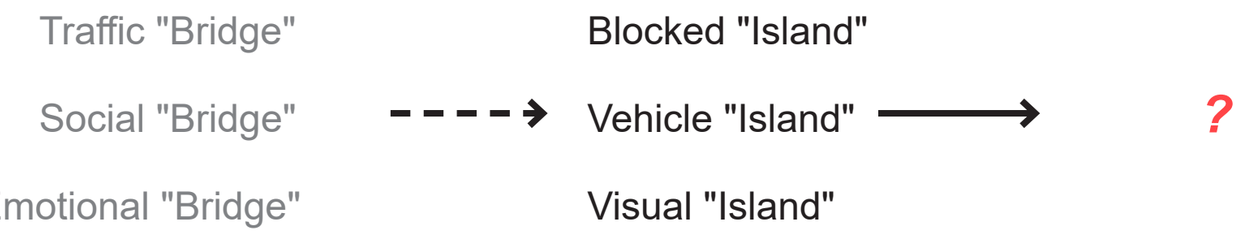




CONCLUSION

Conclusion:
from a *"Bridge"* to the *"Island"*





CONCLUSION

Conclusion:
from a *"Bridge"* to the *"Island"*



Traffic "Bridge"		Blocked "Island"	
Social "Bridge"	- - - →	Vehicle "Island"	→ ?
Emotional "Bridge"		Visual "Island"	

Research Question:

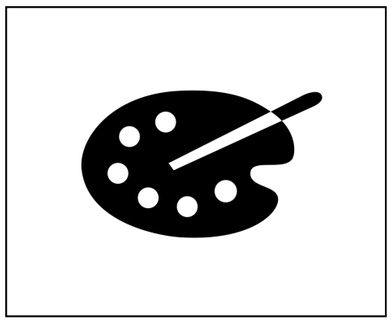
- How to re-establish connection among citizens and neighborhoods by revitalizing De Beursgebouw and its surrounding empty buildings?
- How to identify the architectural role of De Beursgebouw based on its own quality and urban context?



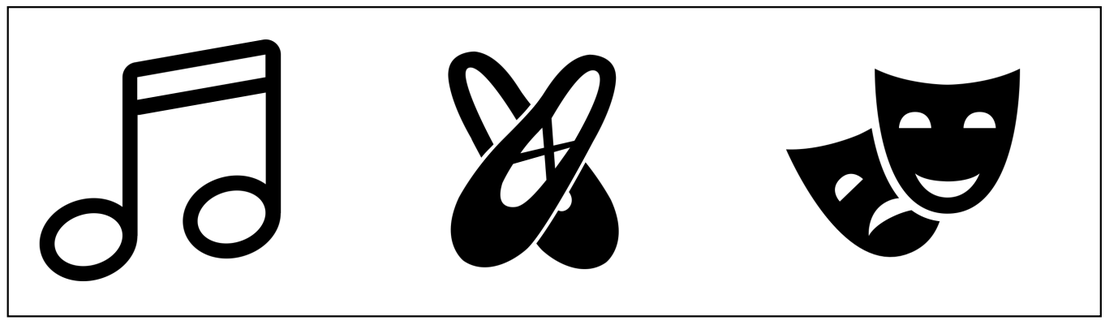
Cultuur in Almere 2017, by Onderzoek & Statistiek

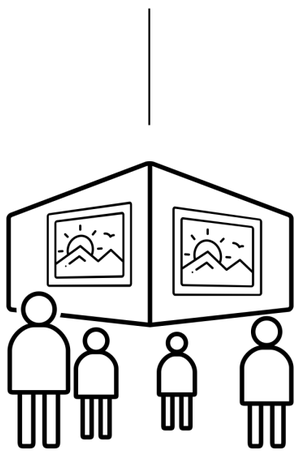
PROGRAM

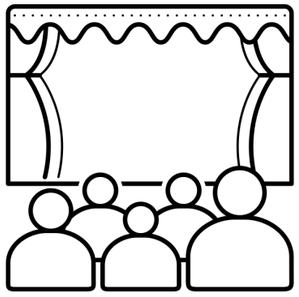
Visual Art



Performance Art

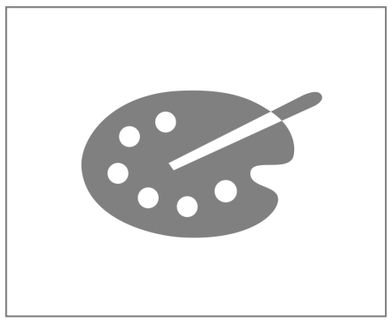




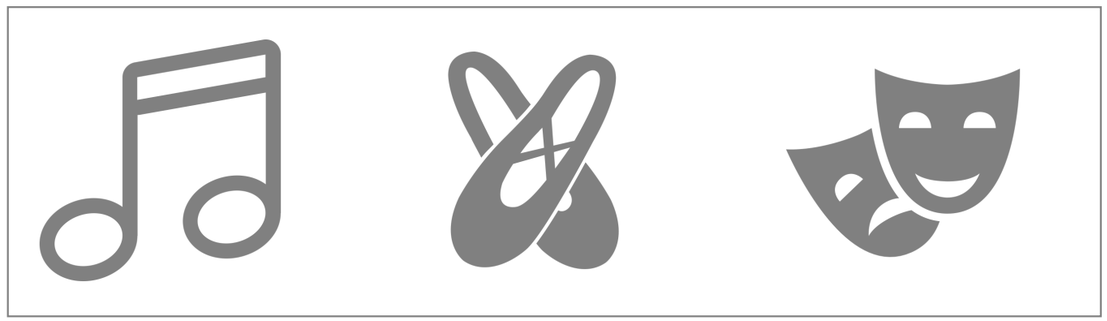


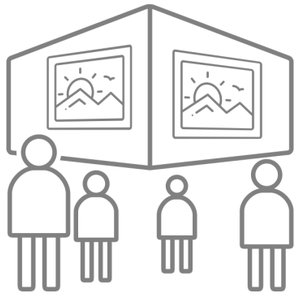
PROGRAM

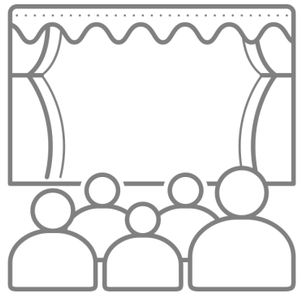
Visual Art



Performance Art

















Catering/ Cafe/ Bar

Conference (gathering)/
Outdoor Public Space

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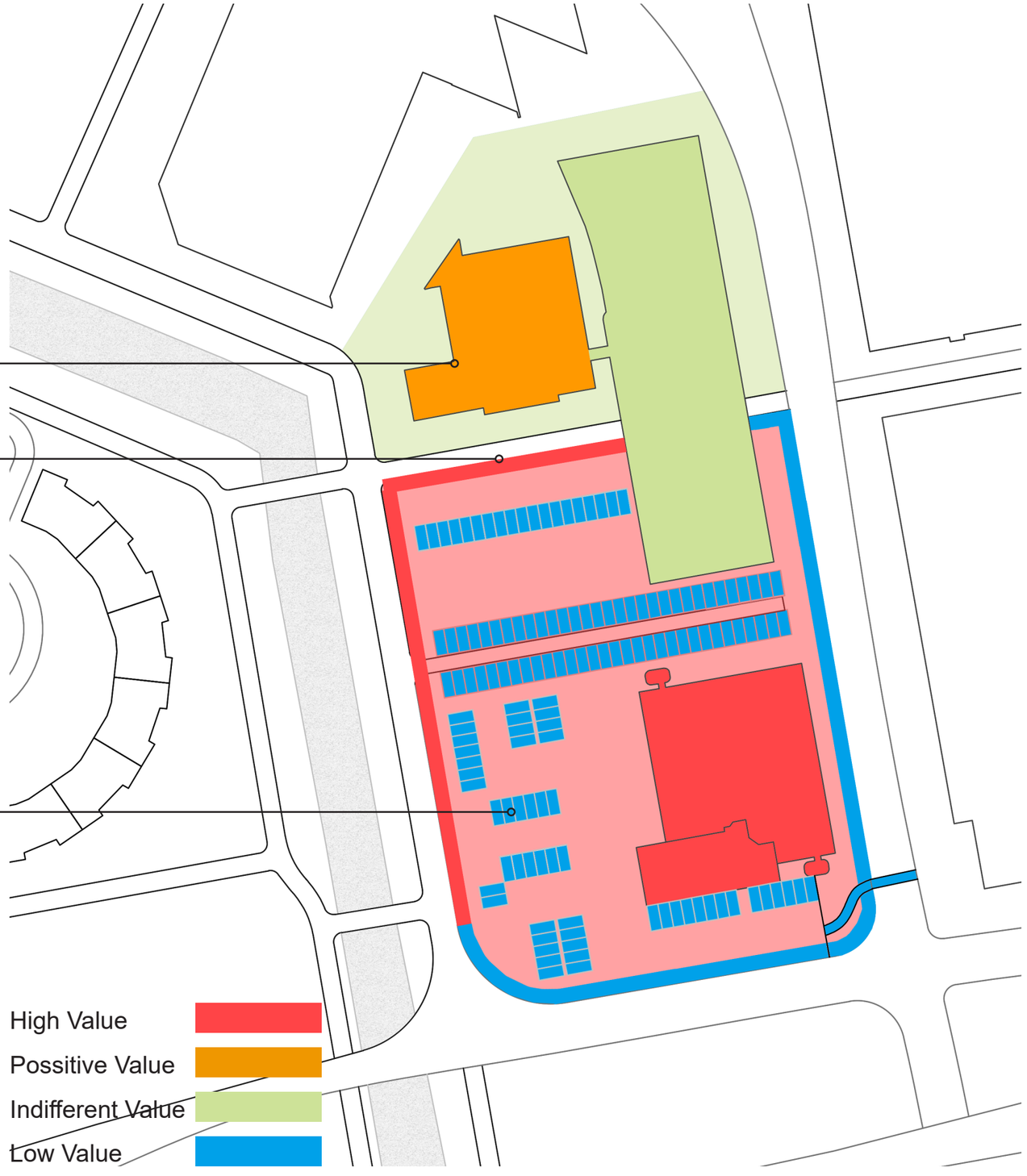
SITE VALUE ASSESSMENT

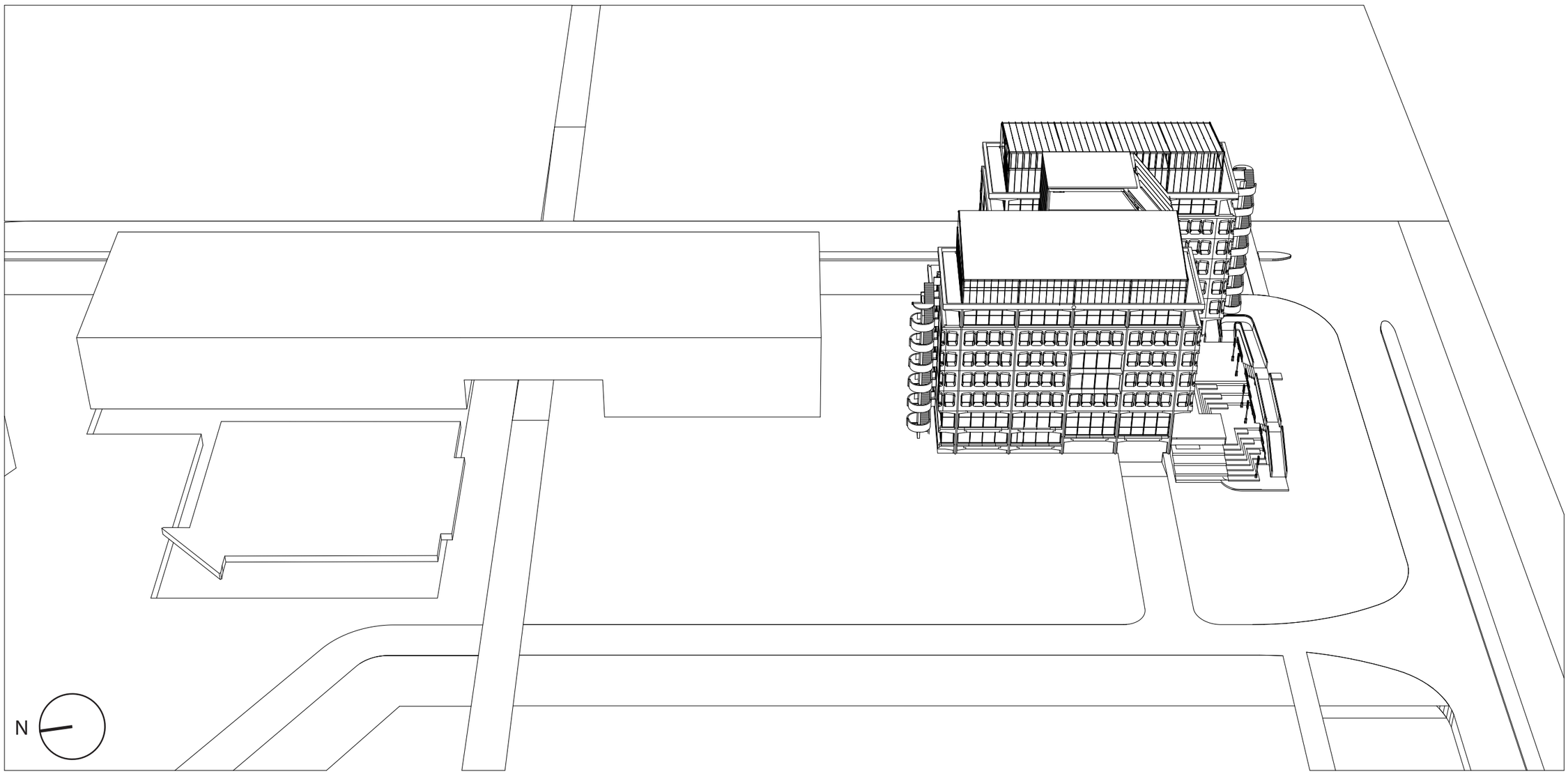




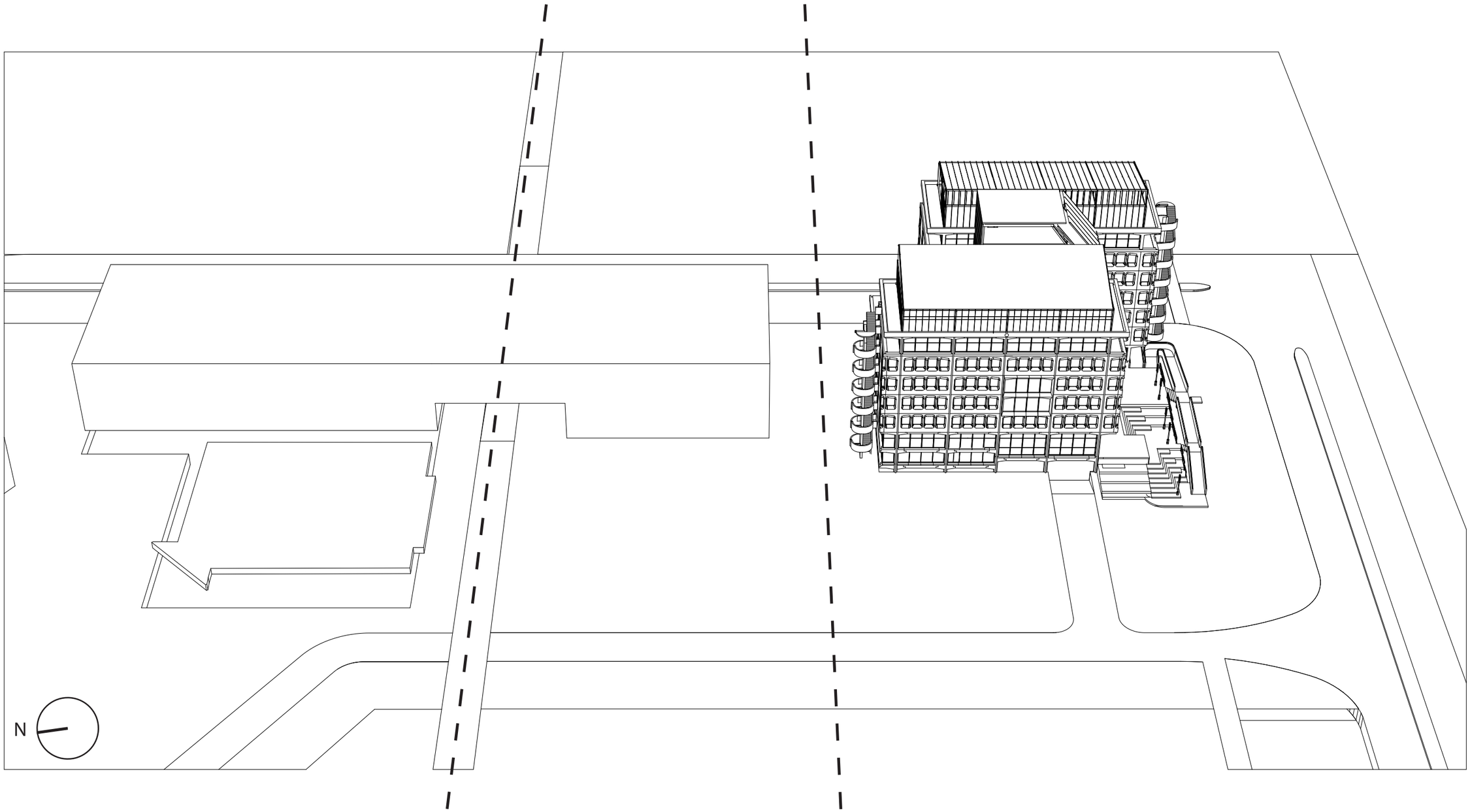




SITE OPPORTUNITY



SITE OPPORTUNITY



SITE OPPORTUNITY

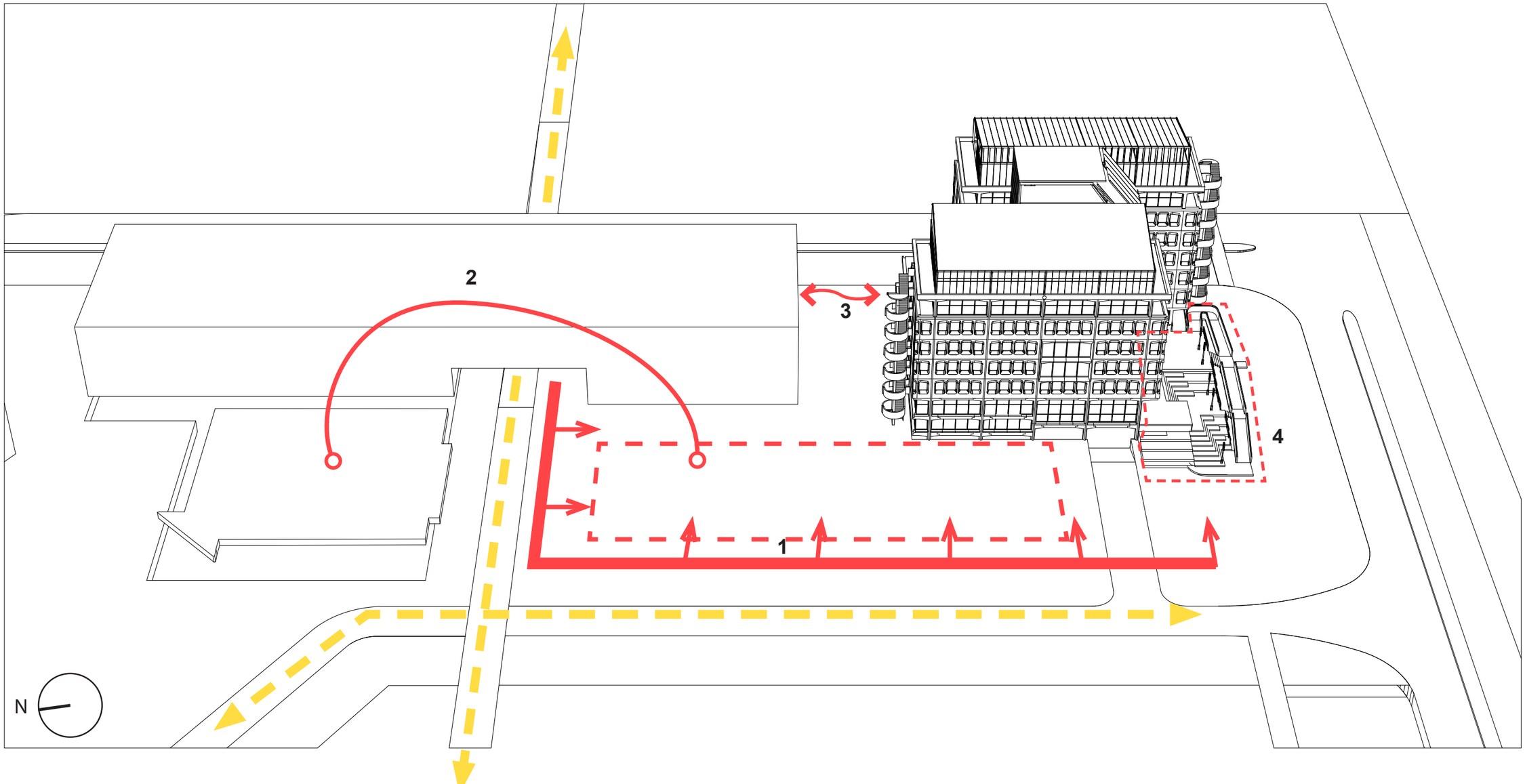
1. Site Entrance

2. Urban Space Connection

3. Buildings relation

4. Previous Entrance

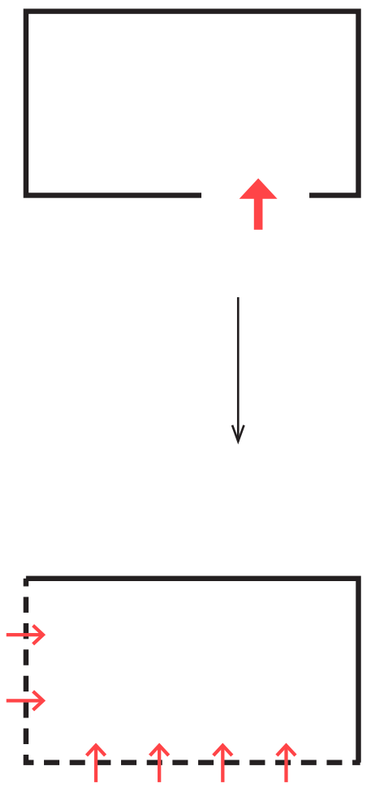
.



SITE STRATEGY

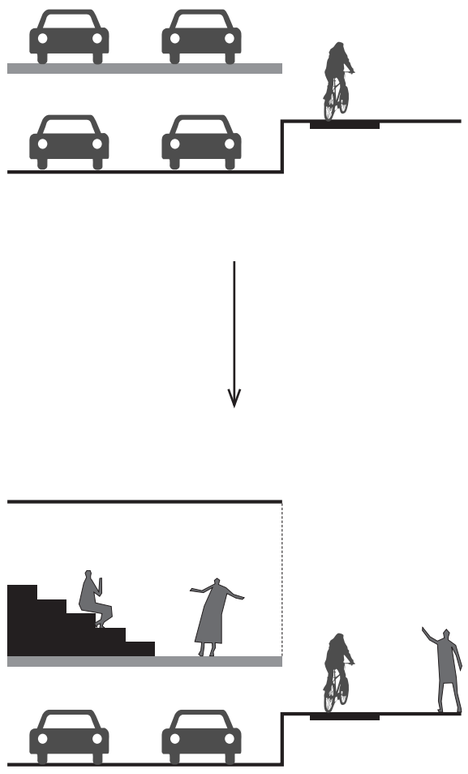
1. Site Entrance

Make full use of the "high value" edge.



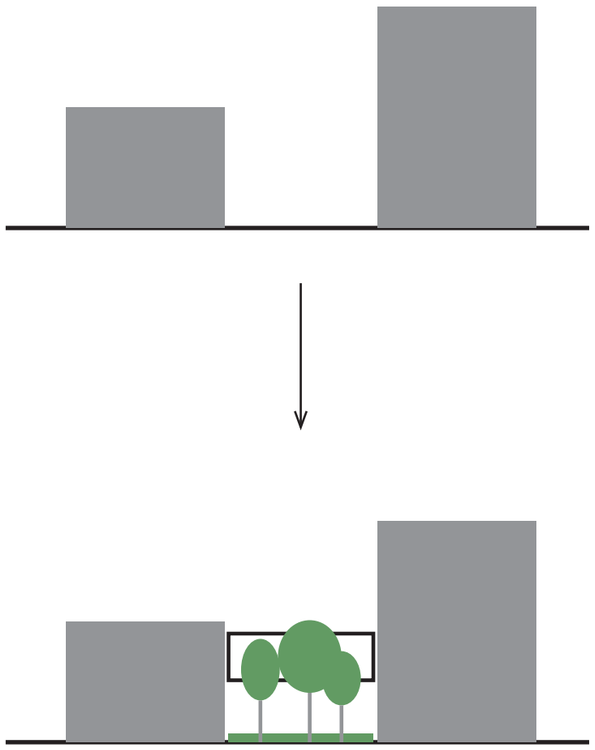
2. Urban Space Connection

Space on two sides of bicycle lane is suitable for public social activities, and is good to be functionally related with each other.
A visual connection across the bicycle lane is possible.



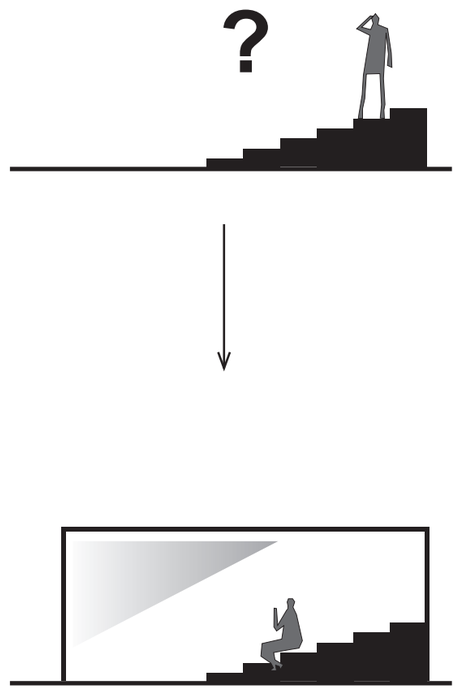
3. Buildings relation

Create a connection between De Beurs and previous ABNA office building by an additional part with a inner yard.

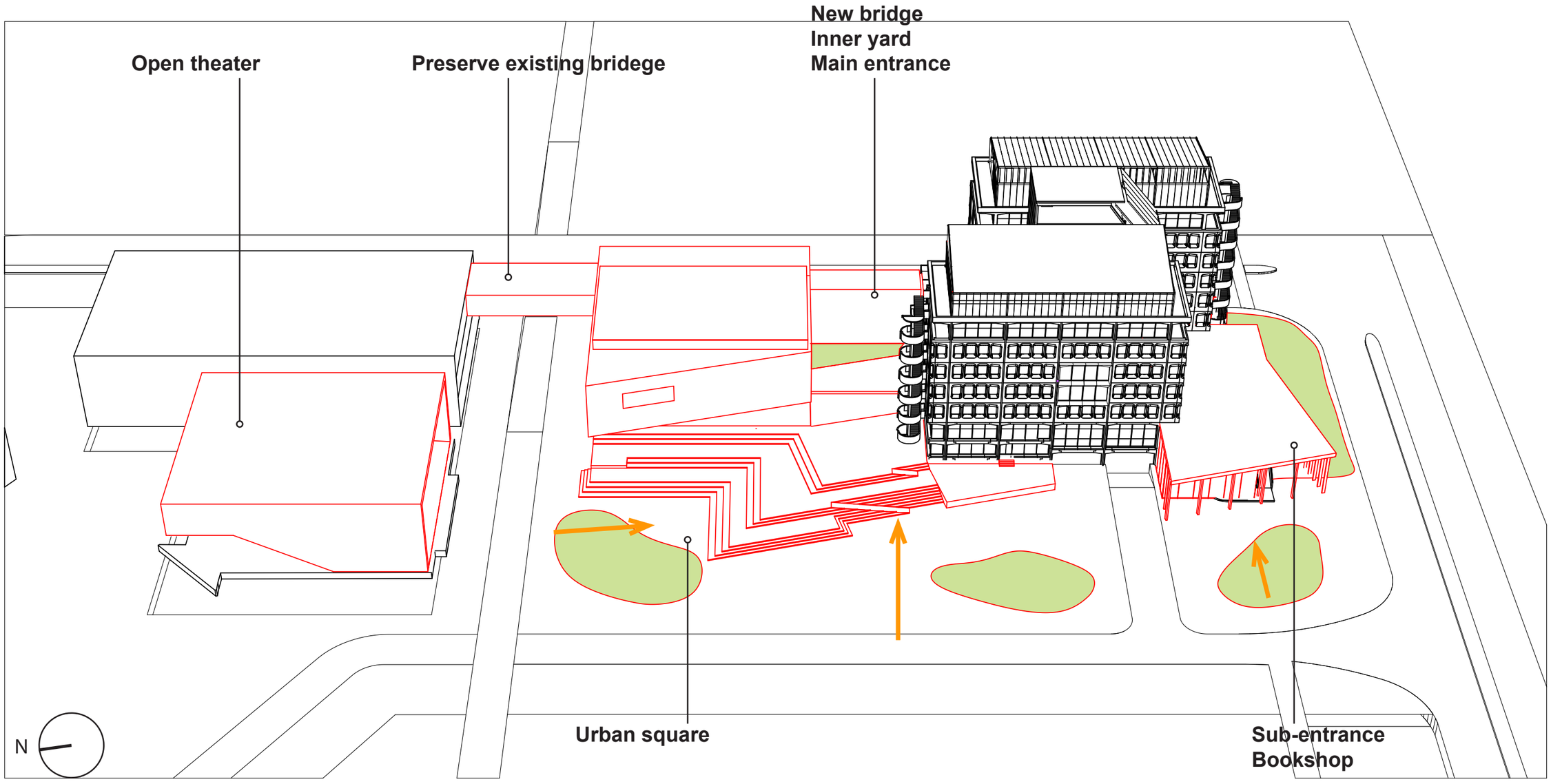


4. Previous Entrance

Big stairs is promising to be indoor area as a real part of the building.



SITE INTERVENTION

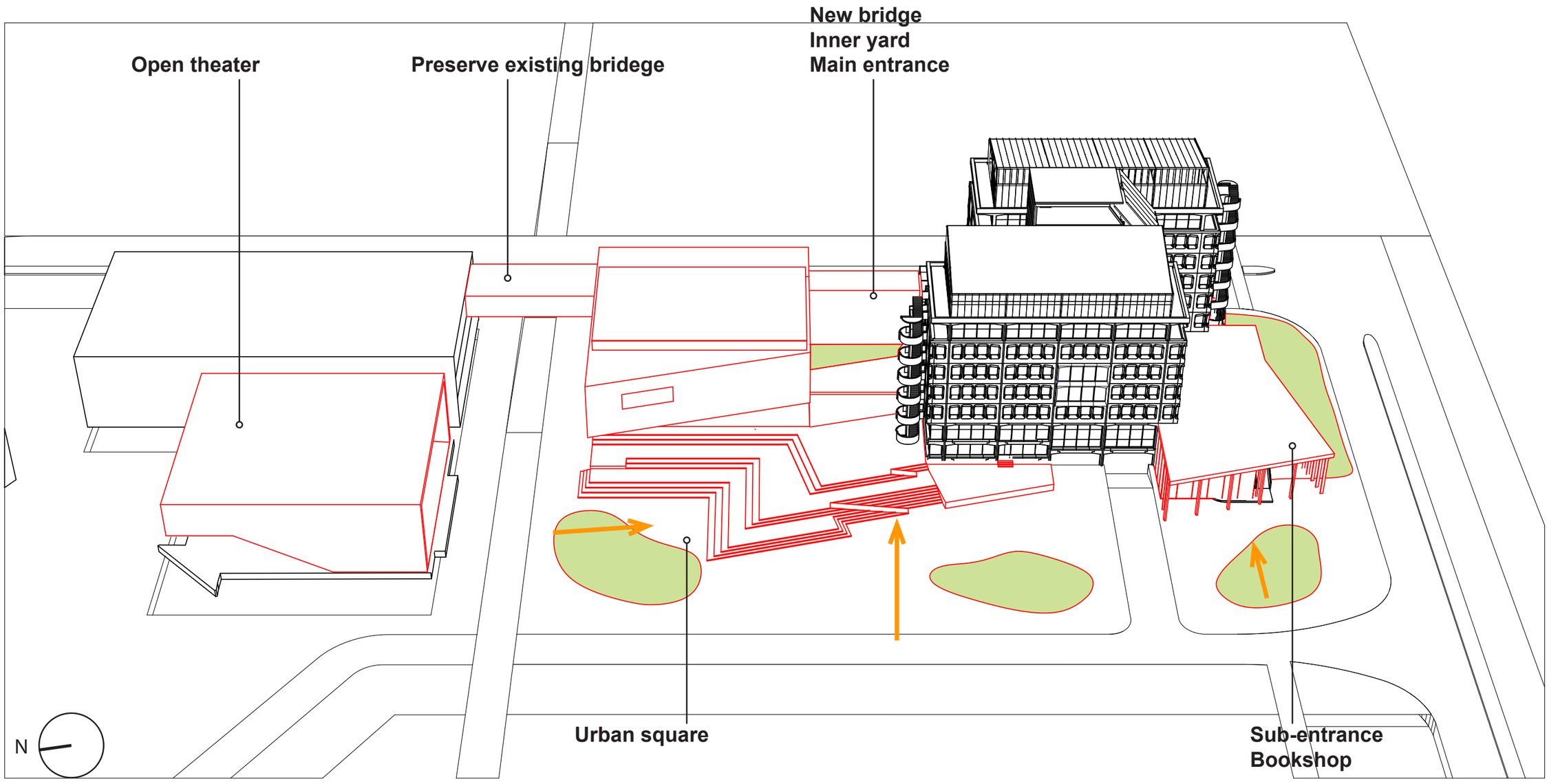


SITE INTERVENTION

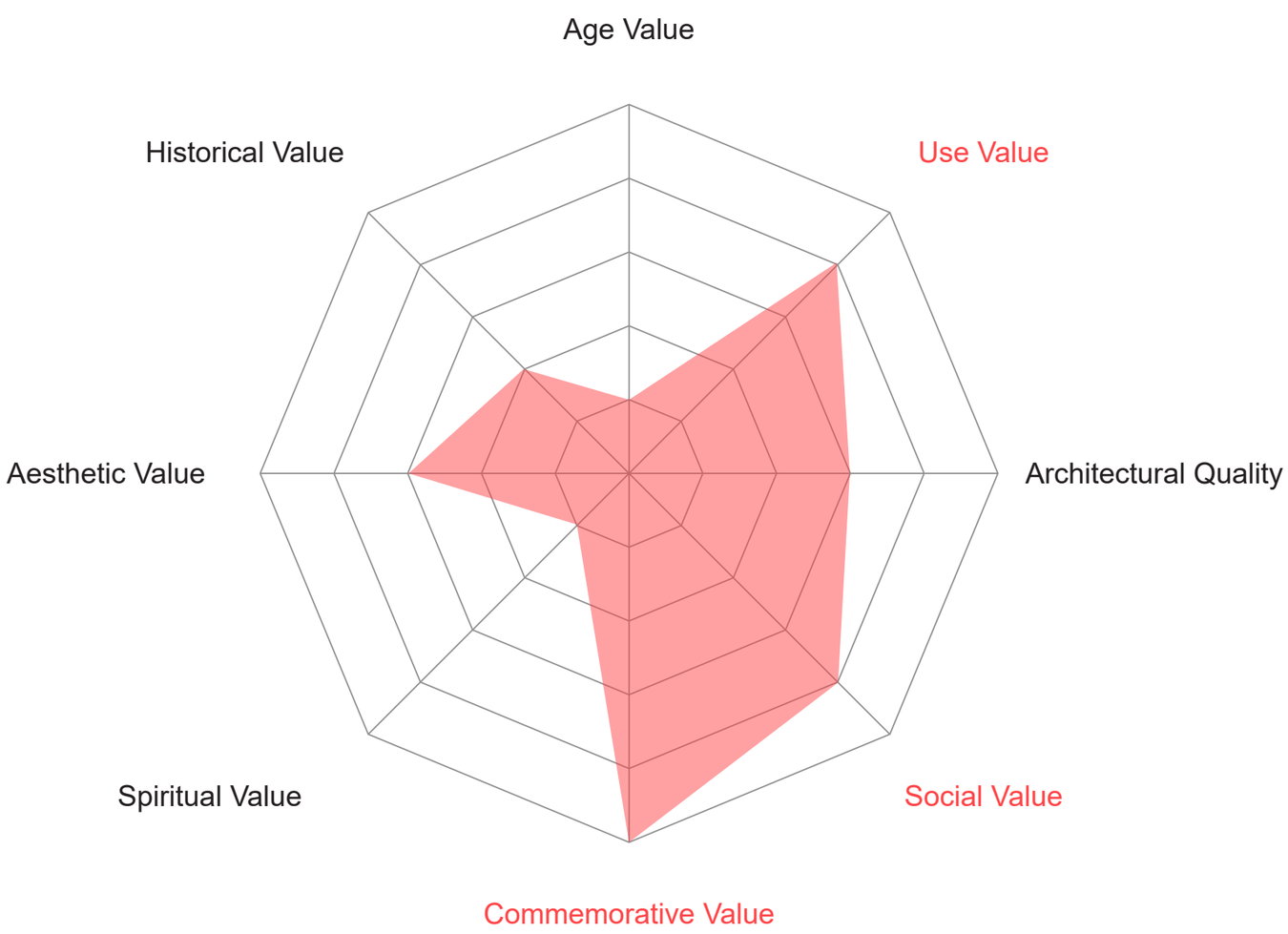
- ***Music*** studio
- Rehearsal room

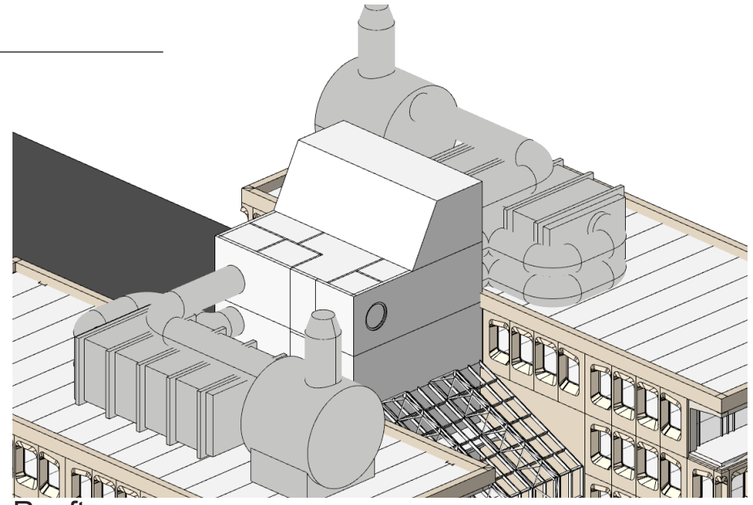
- ***Dancing*** studio
- Small performance hall

- ***Visual art*** studios
- Expo
- Shop&Catering/cafe
- Rooftop meeting space
- Conference space



BUILDING VALUE ASSESSMENT

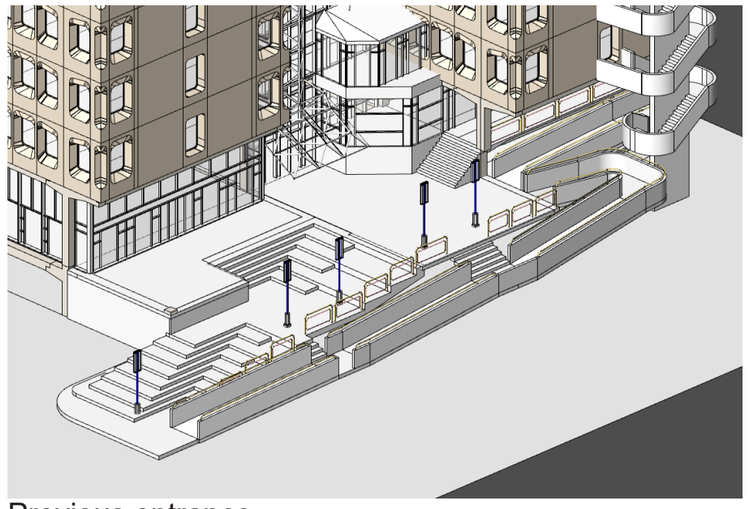




Rooftop

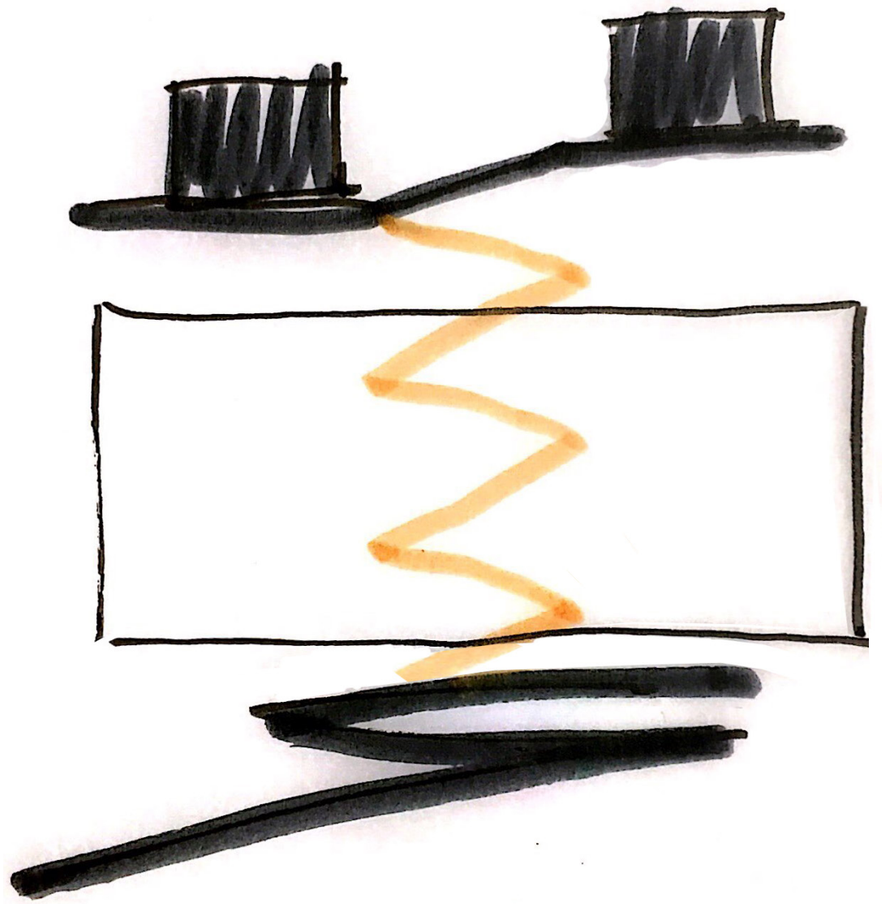


Massive facade and its interior space



Previous entrance

SPACIAL STRATEGY



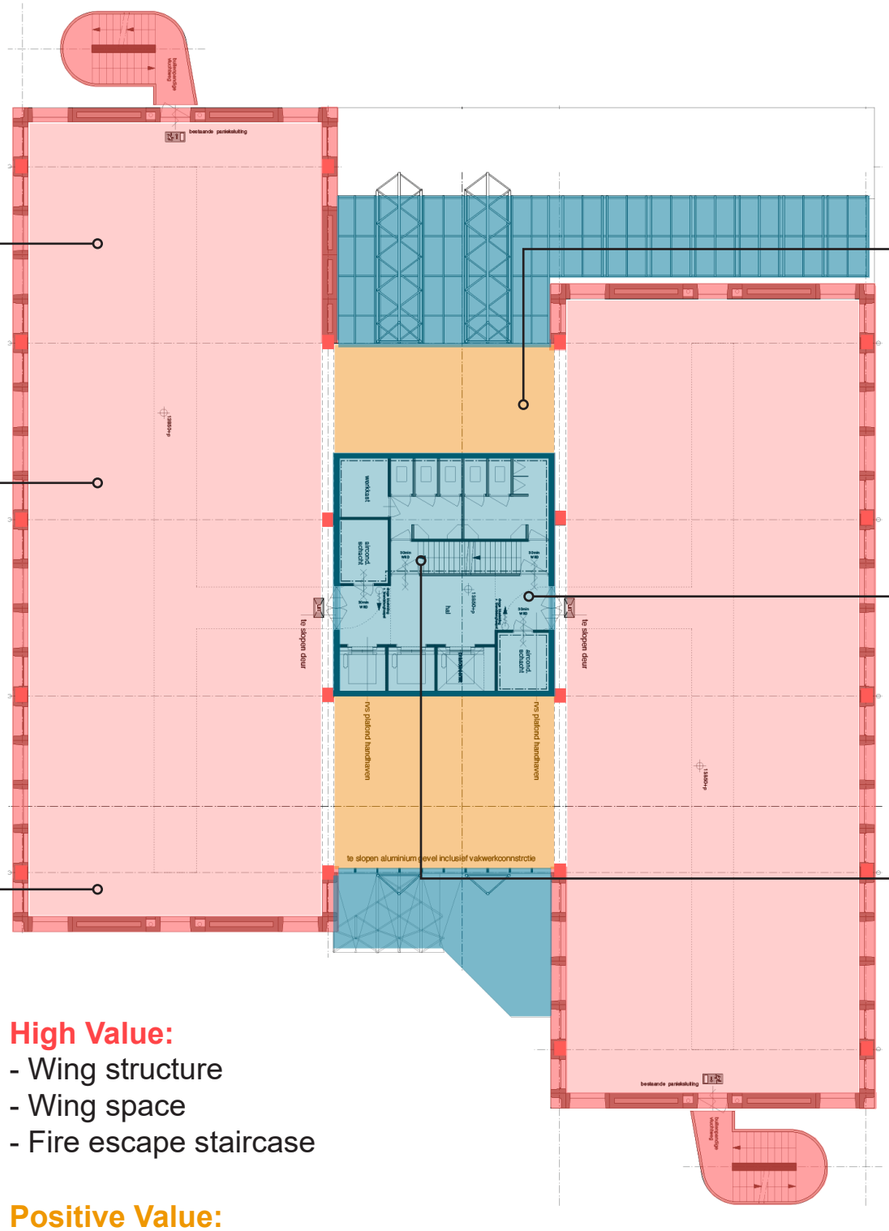
INNER SPACE VALUE ASSESSMENT



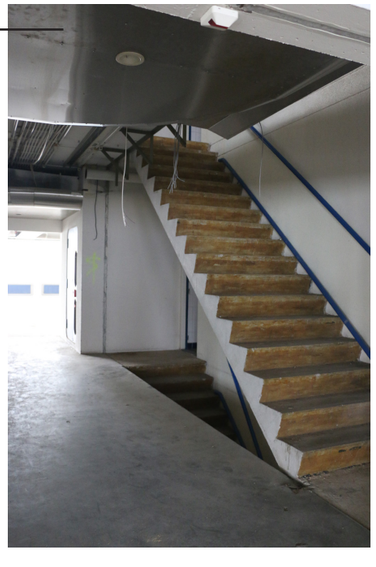










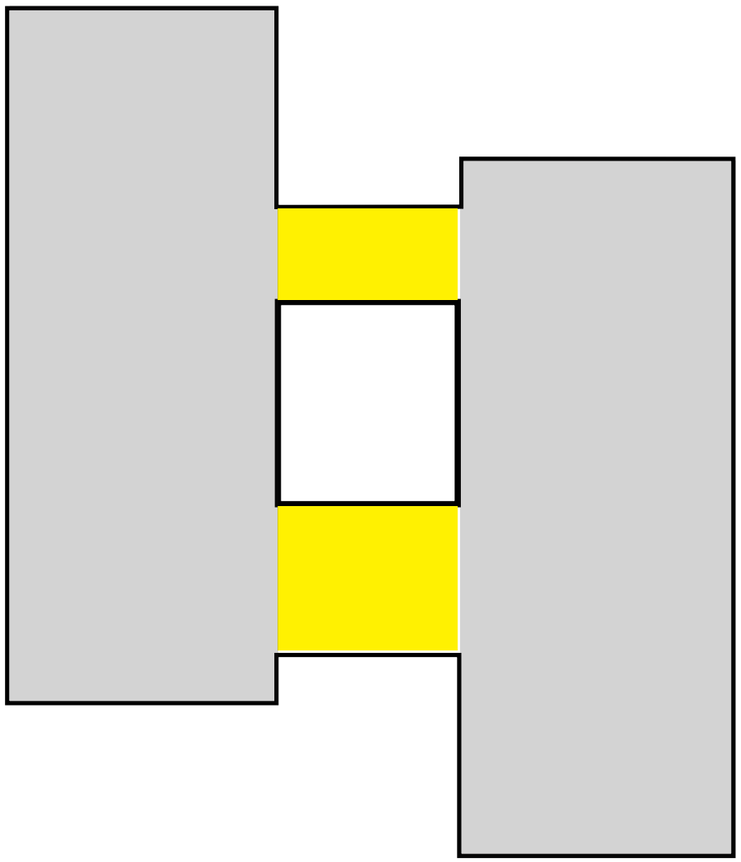


High Value:
- Wing structure
- Wing space
- Fire escape staircase

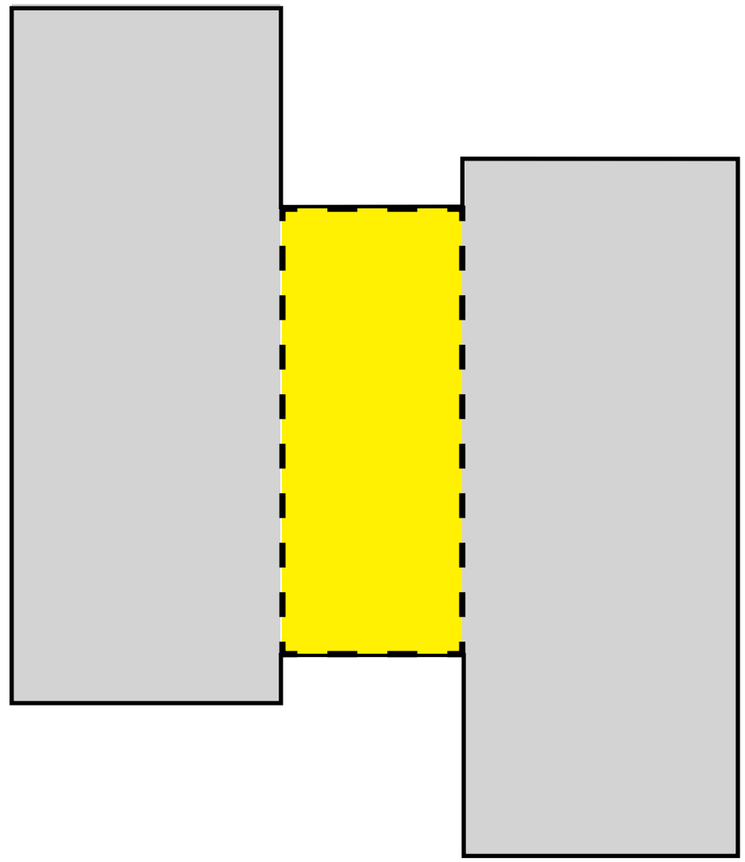
Positive Value:
- Social area between wings

Low Value:
- Core structure and core space

STRATEGY

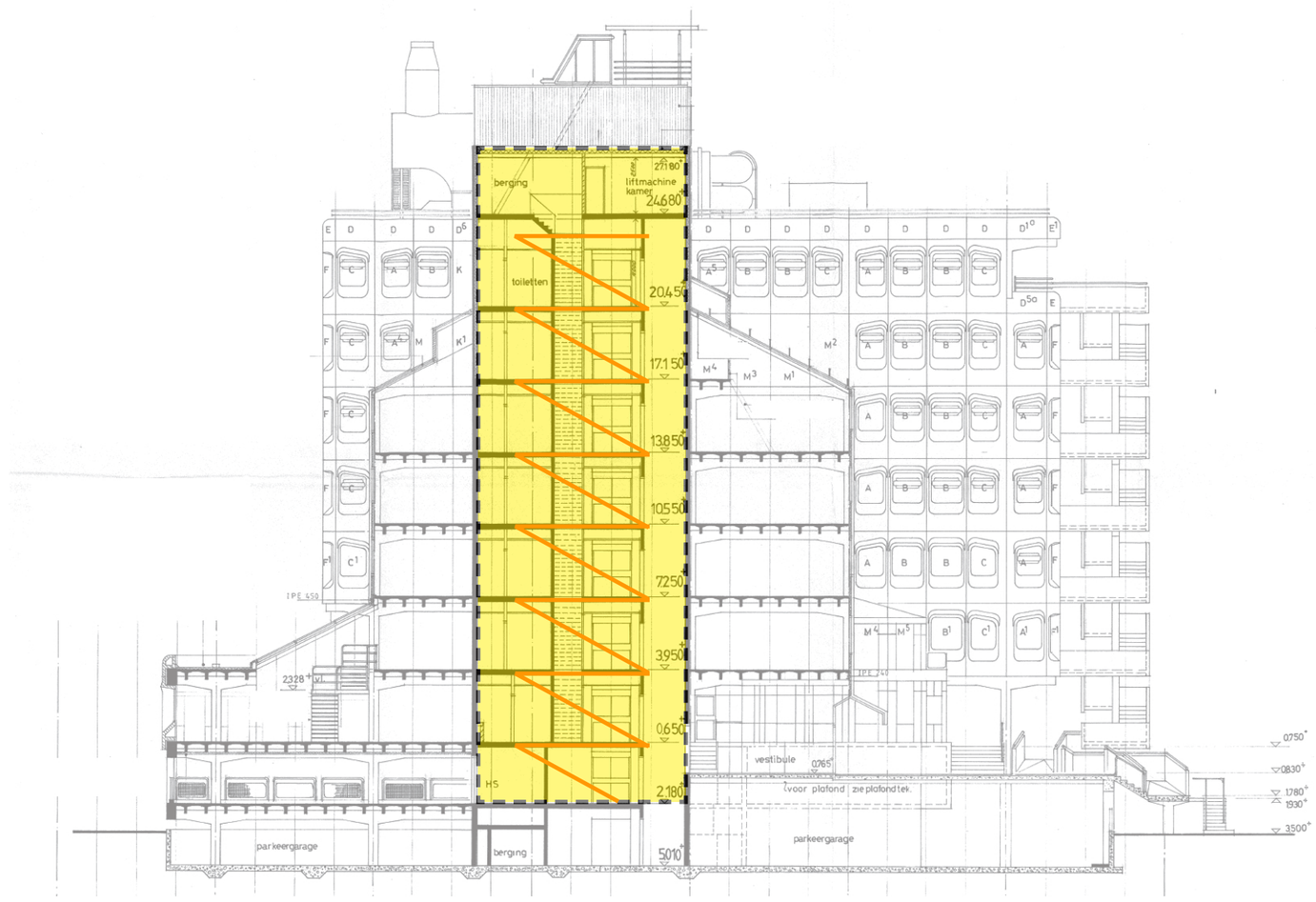


Closed Structure Core
with 2 small Social zones

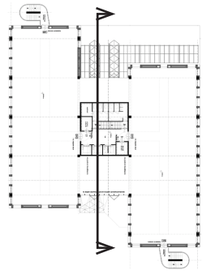


Open Structure Core
as a big Social zone

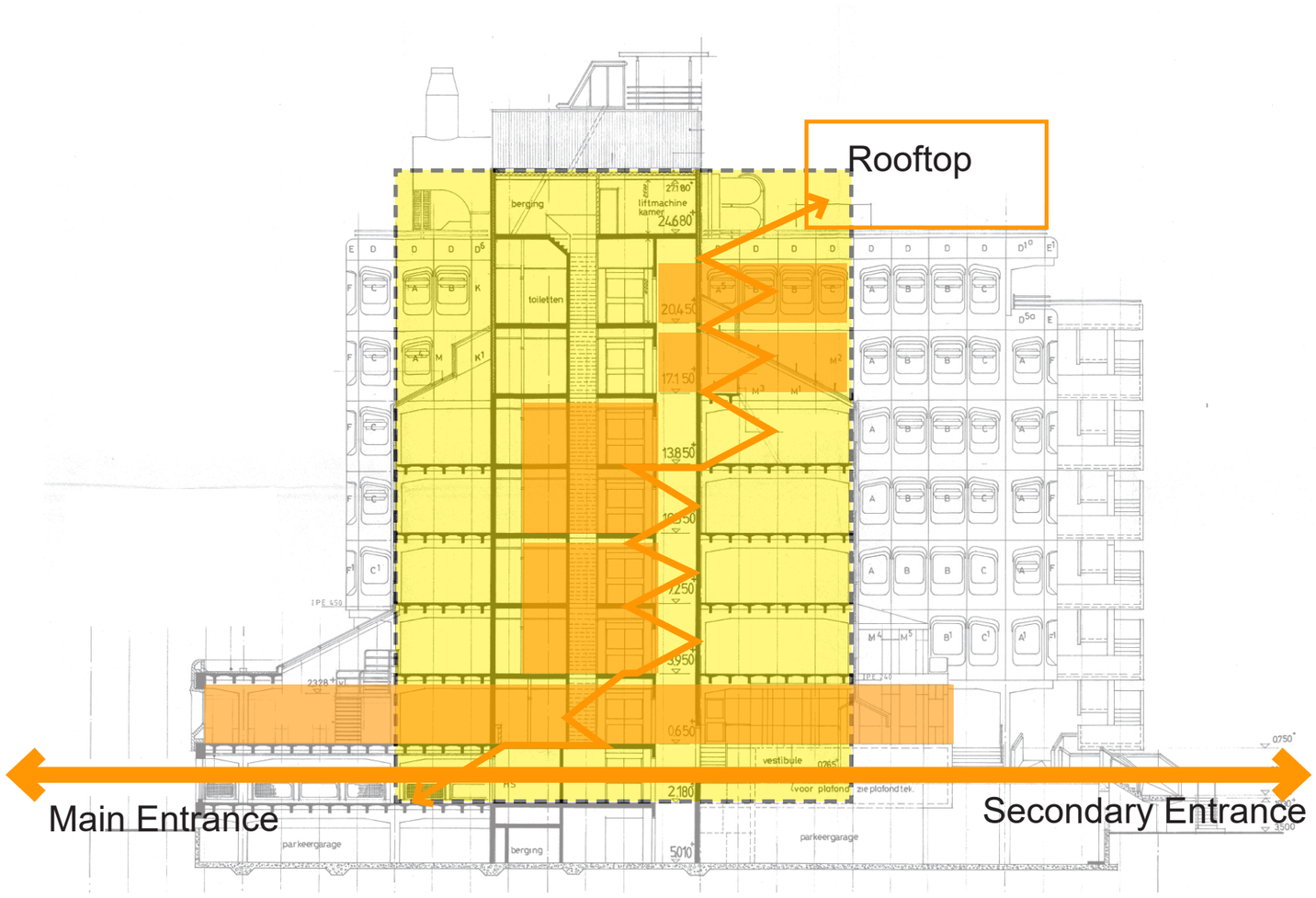
ORIGINAL CORE



STRUCTURE + CIRCULATION + SERVICE

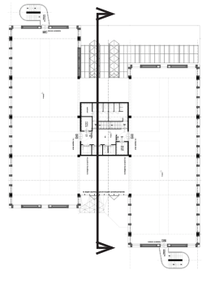


CIRCULATION STRATEGY

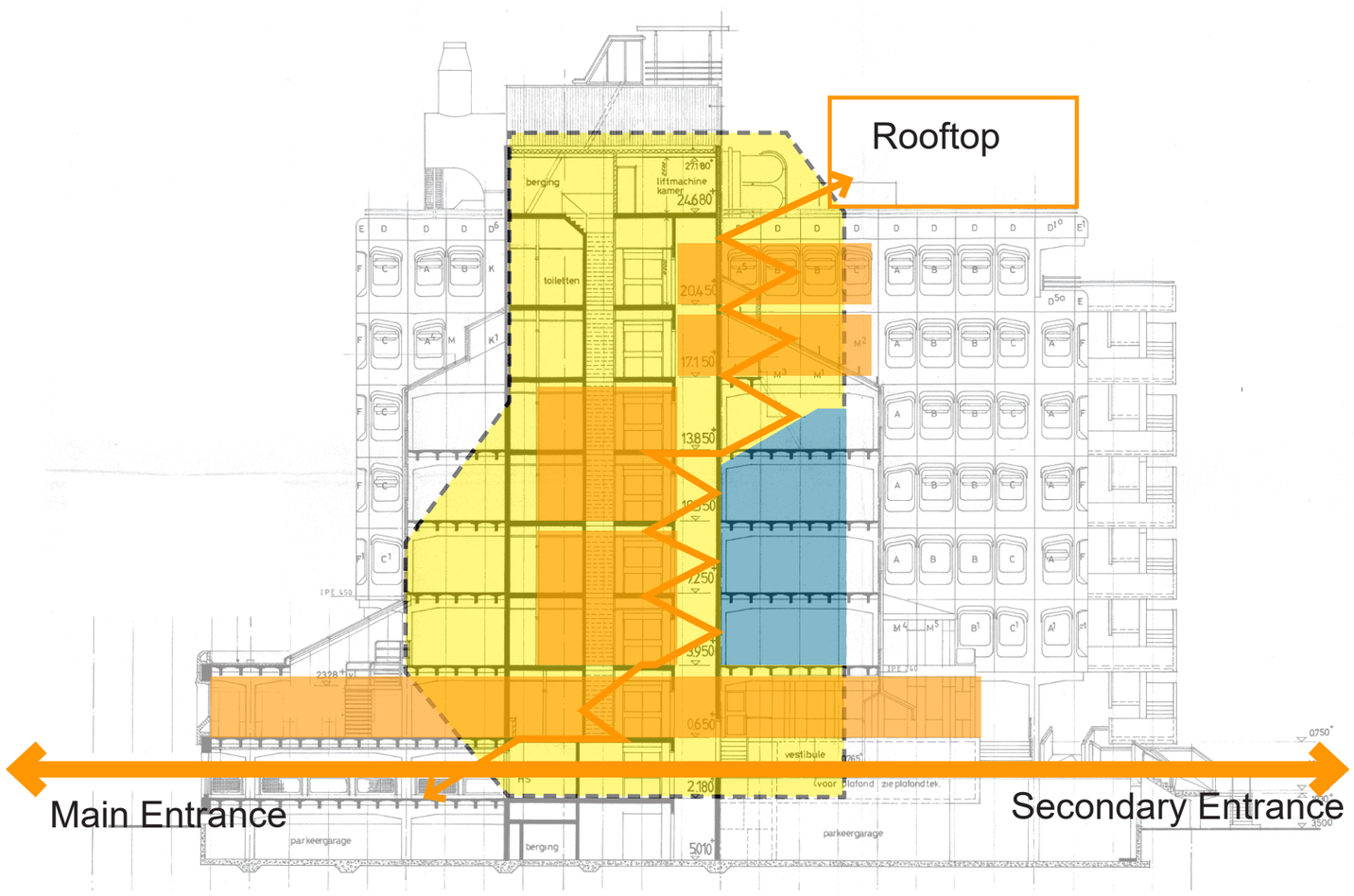


STRUCTURE + CIRCULATION + SERVICE

SPACE EXPERIANCE + VERTICAL GALLERY



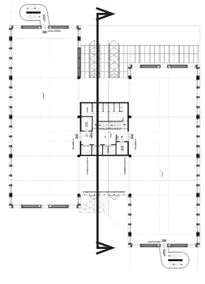
CORE STRUCTURE STRATEGY



STRUCTURE + CIRCULATION + SERVICE

SPACE EXPERIANCE + VERTICAL GALLERY

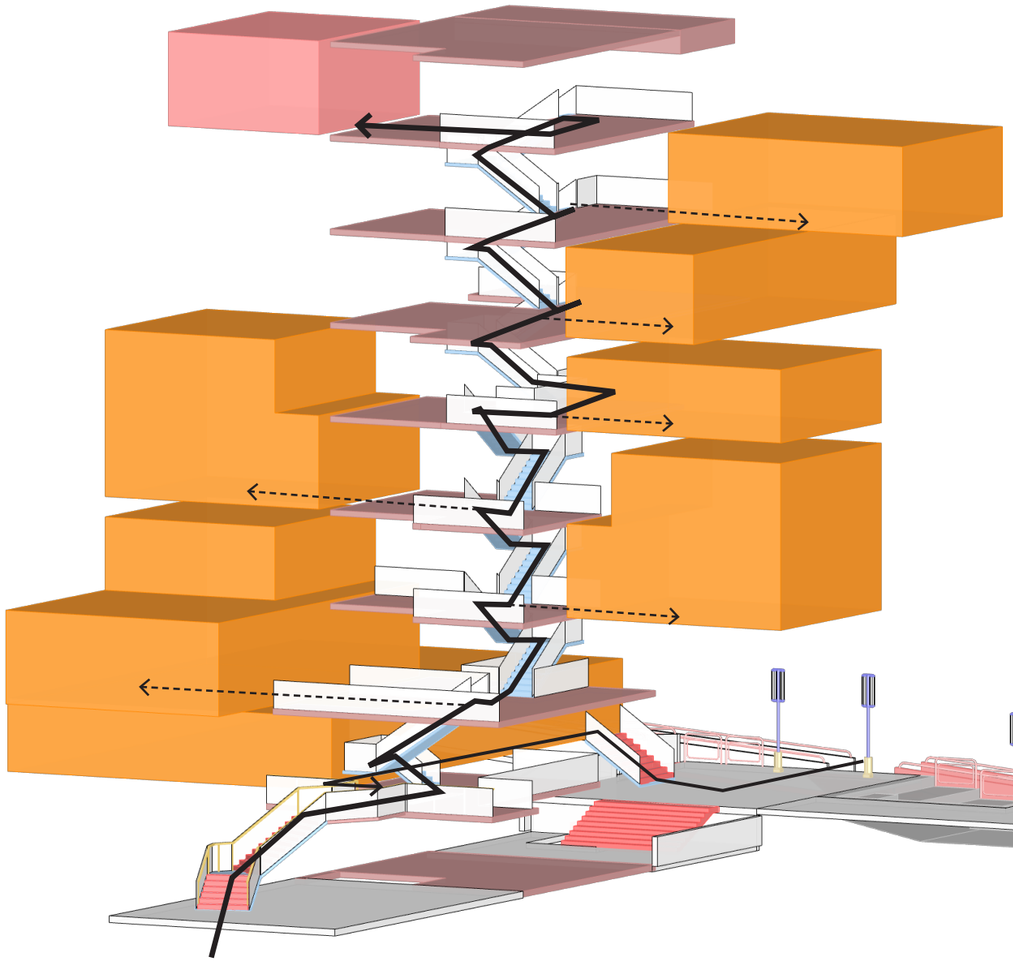
PRIVATE COMMON SPACE

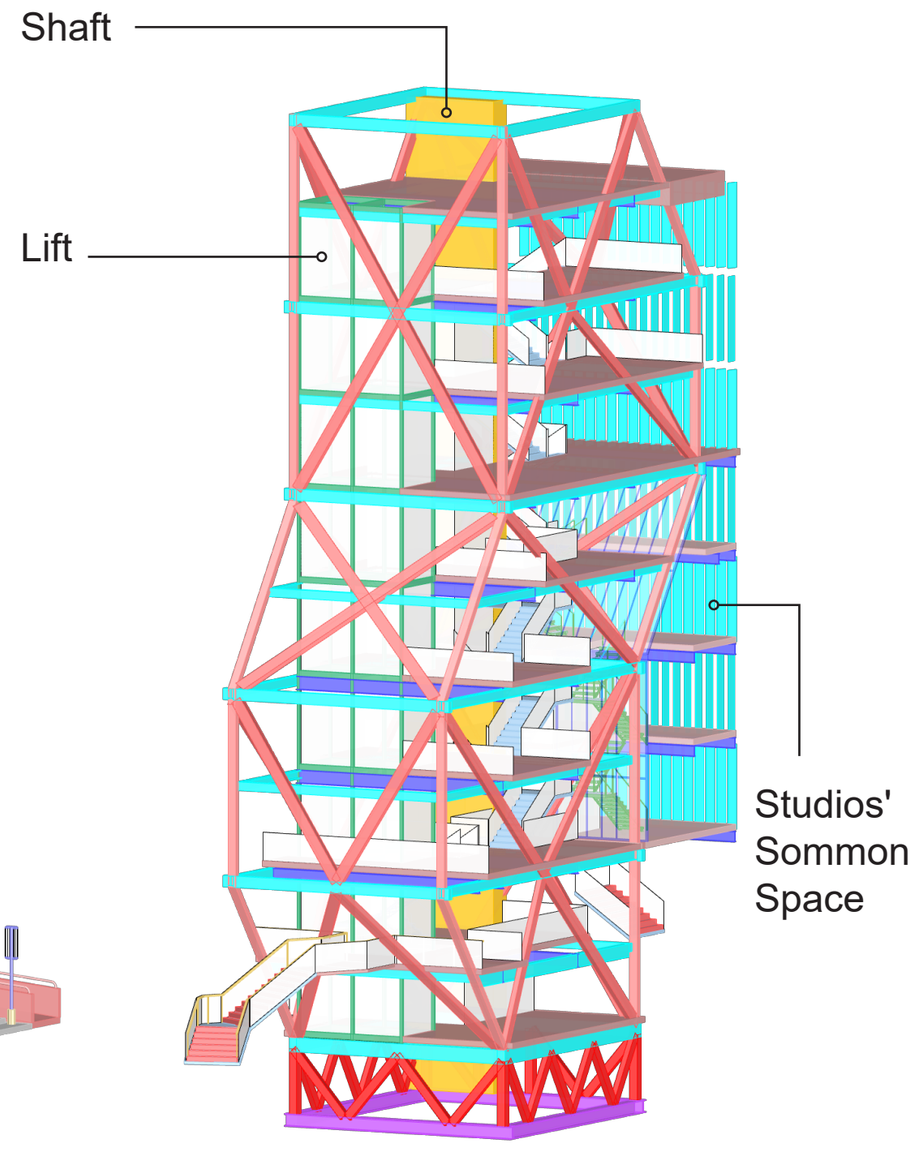


PROGRAM

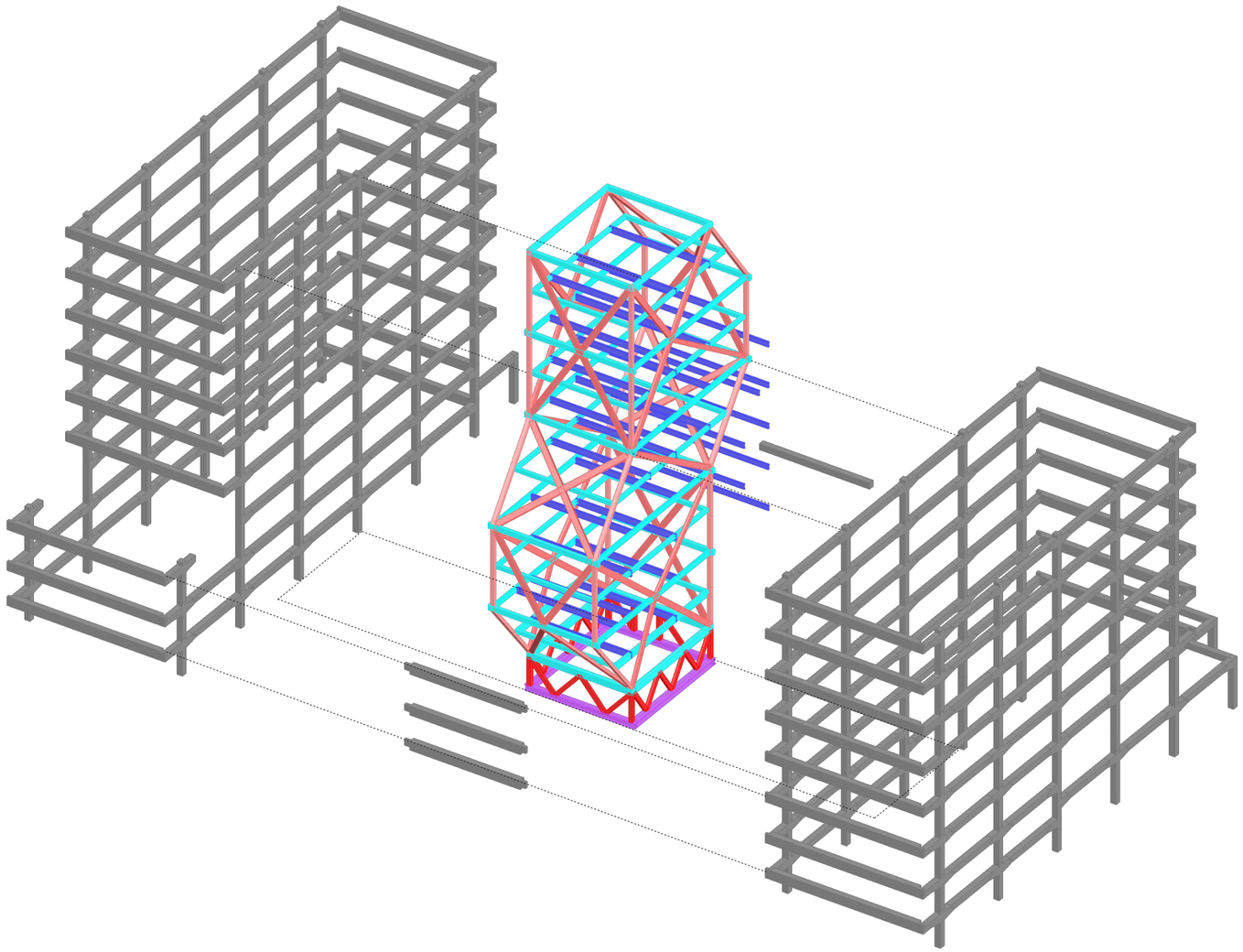

ROOF CAFE
multi-function
OFFICE
media,painting
ceramics
fashion
canteen,reading
EXPO
GATHERING,CATERING
PARKING
GARDENING
ARTIST STUDIO
painting
ceramics,sculpture
sculpture
jewery,printing
CAFE&STORE

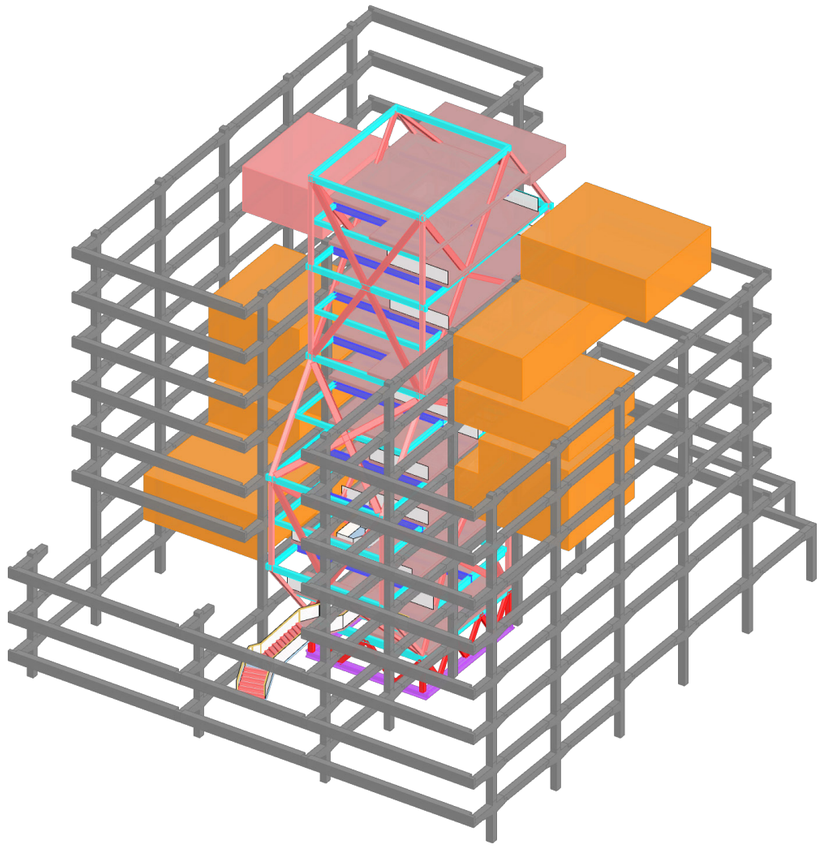
NEW CORE COMPOSITION



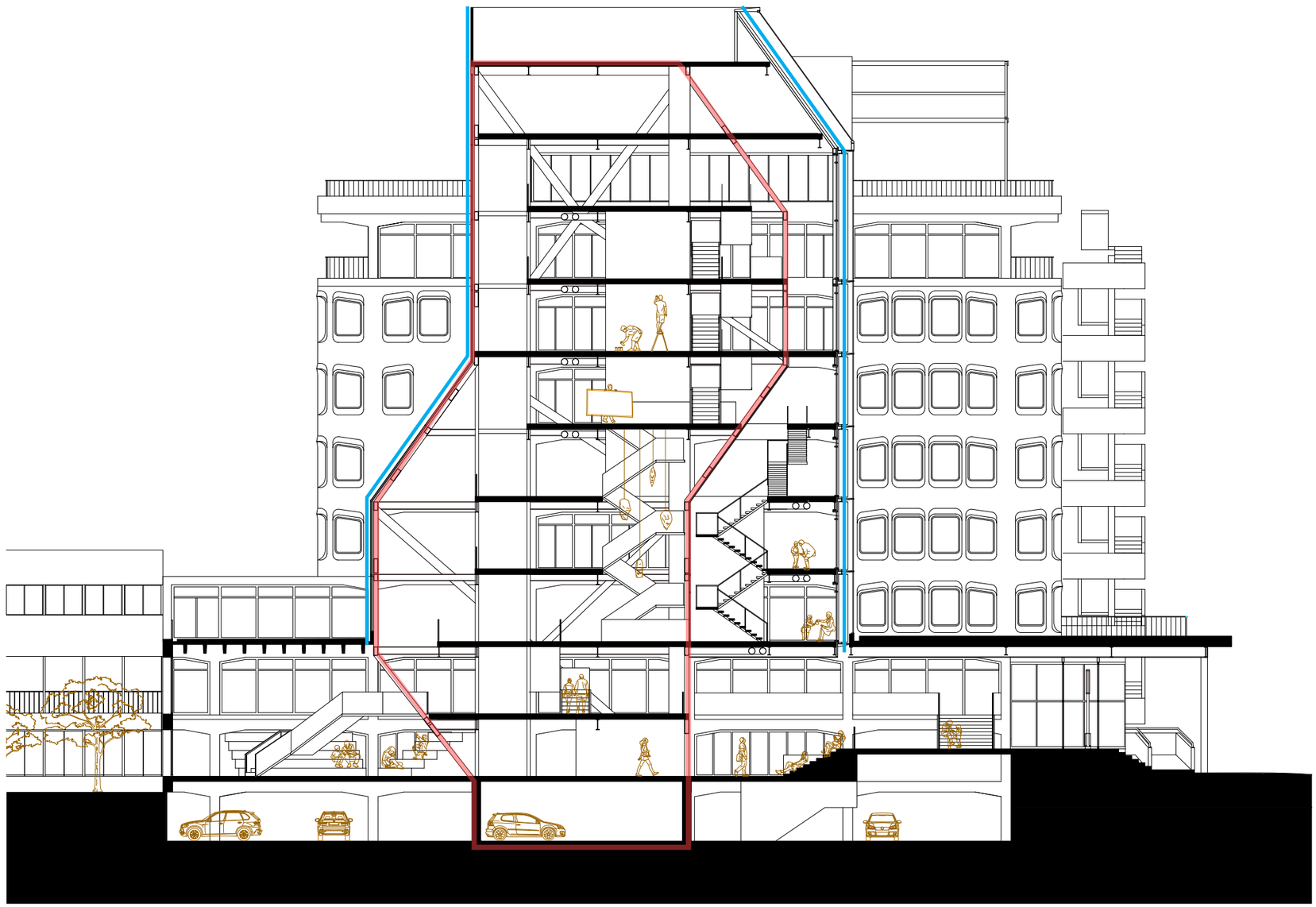


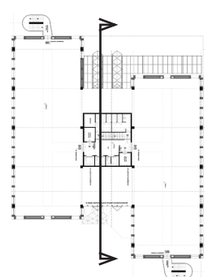
STRUCTURE CONNECTION



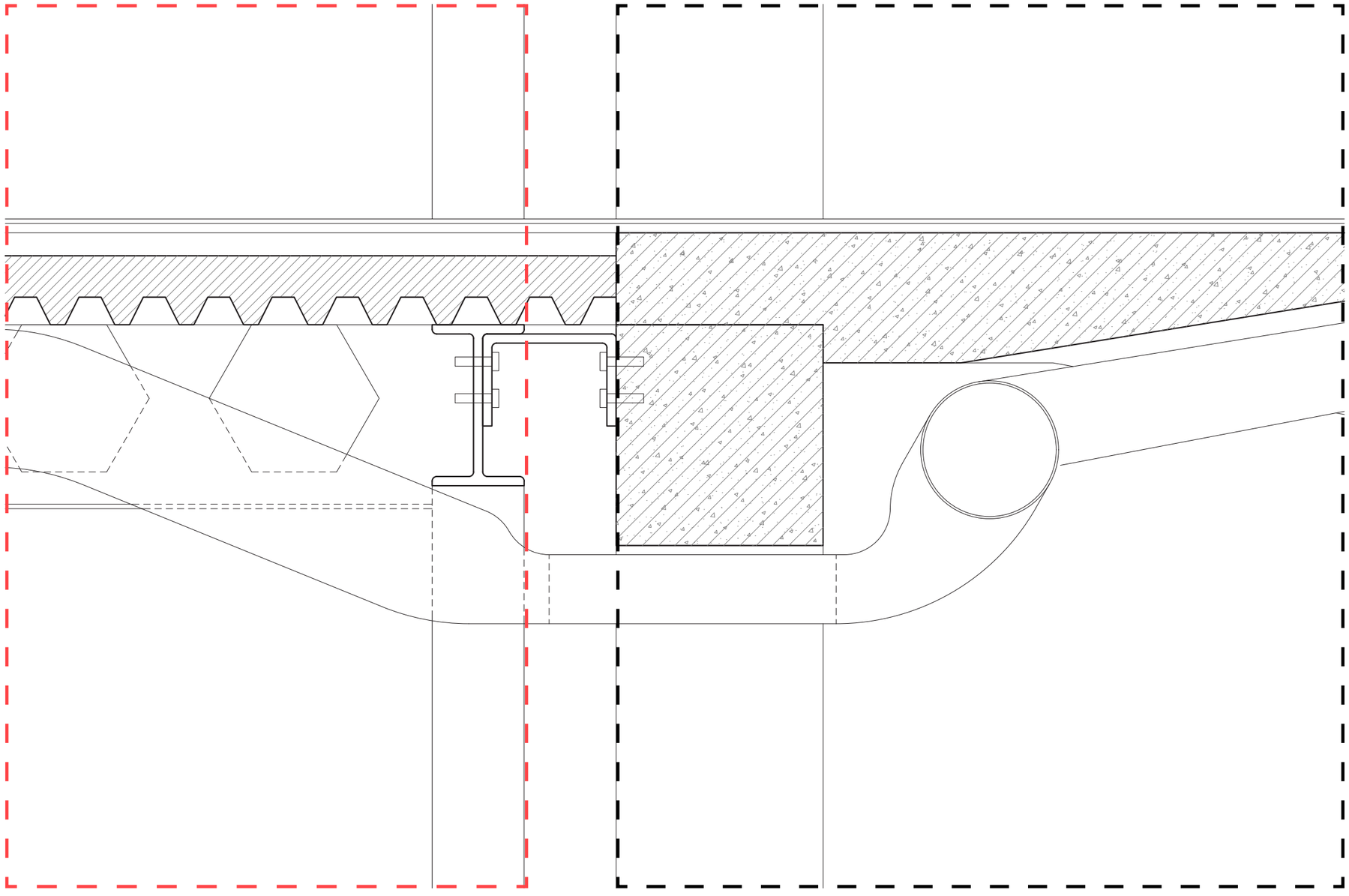


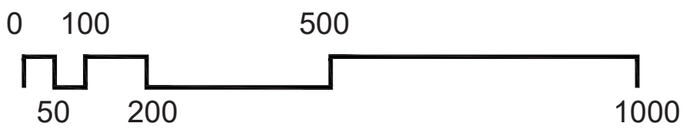
CORE SECTION

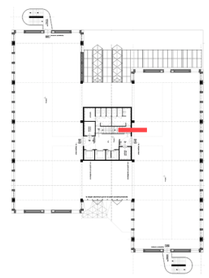




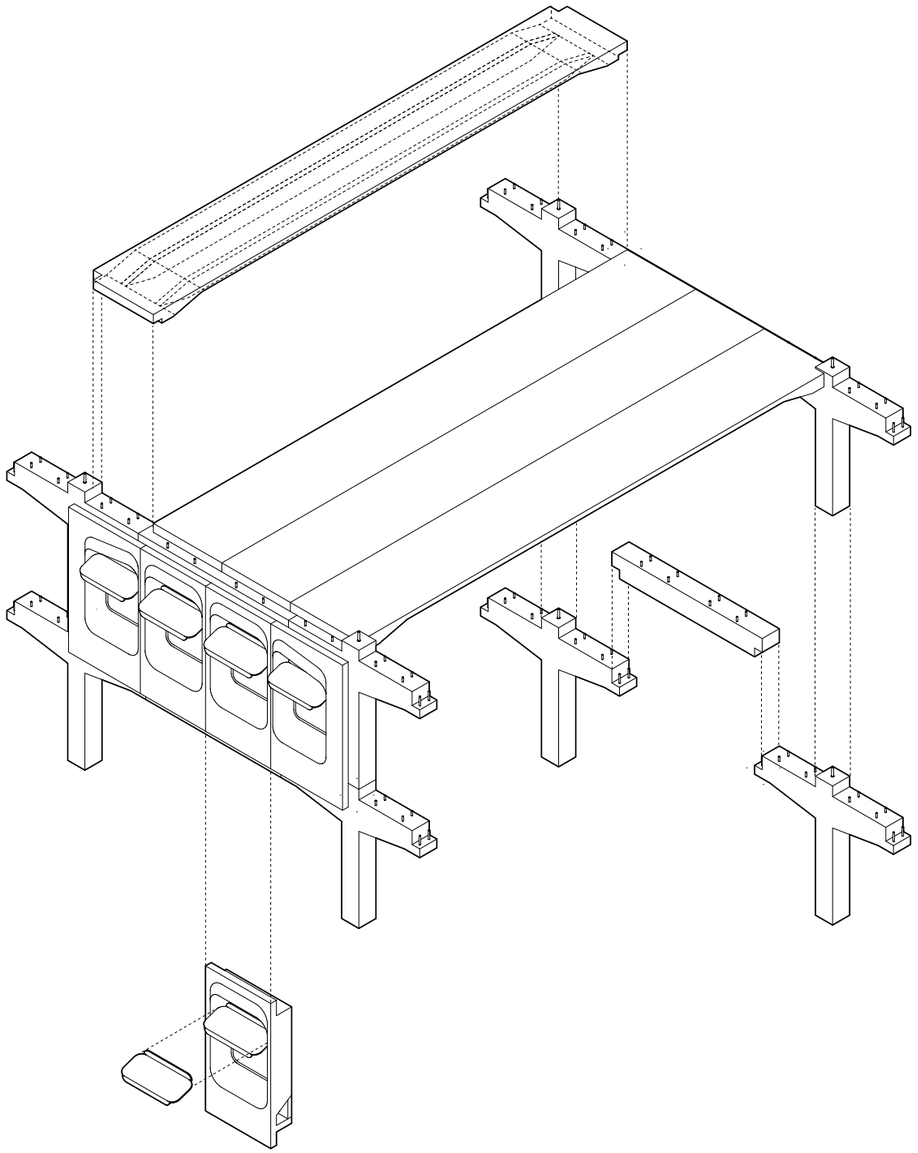
STRUCTURE CONNECTION



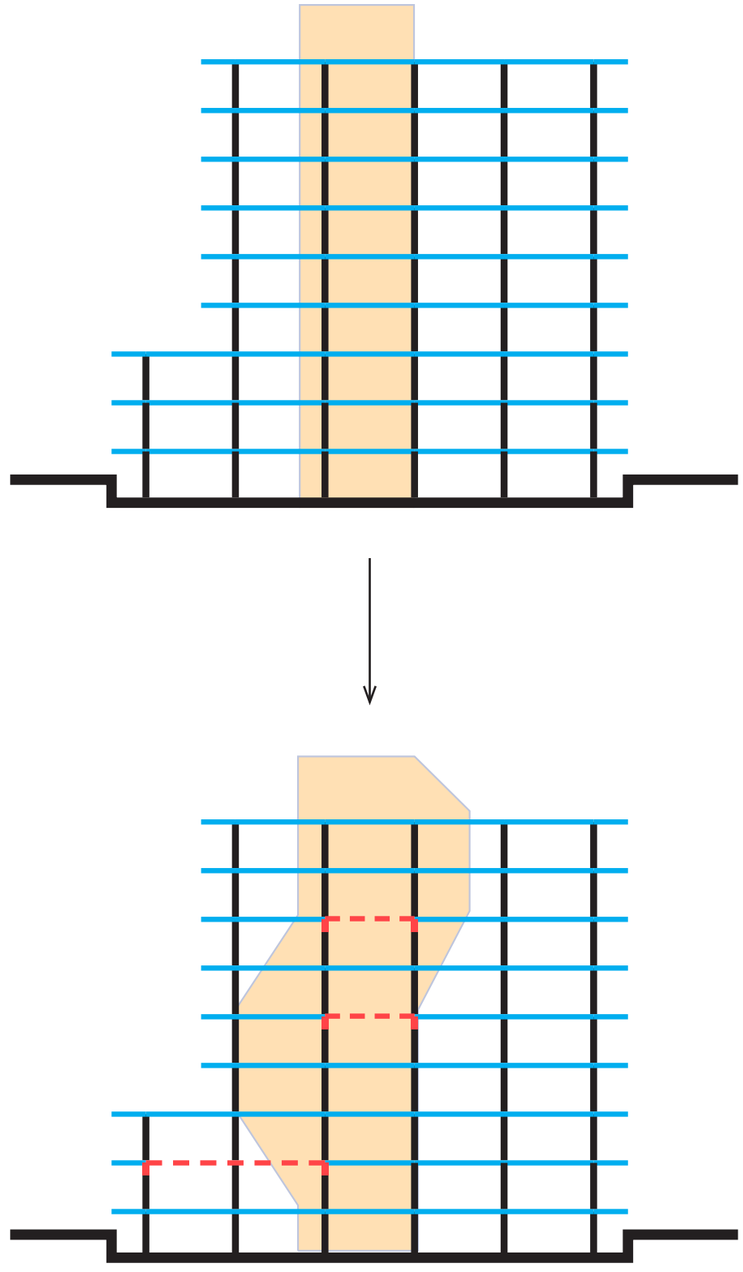




WING SPACE STRATEGY

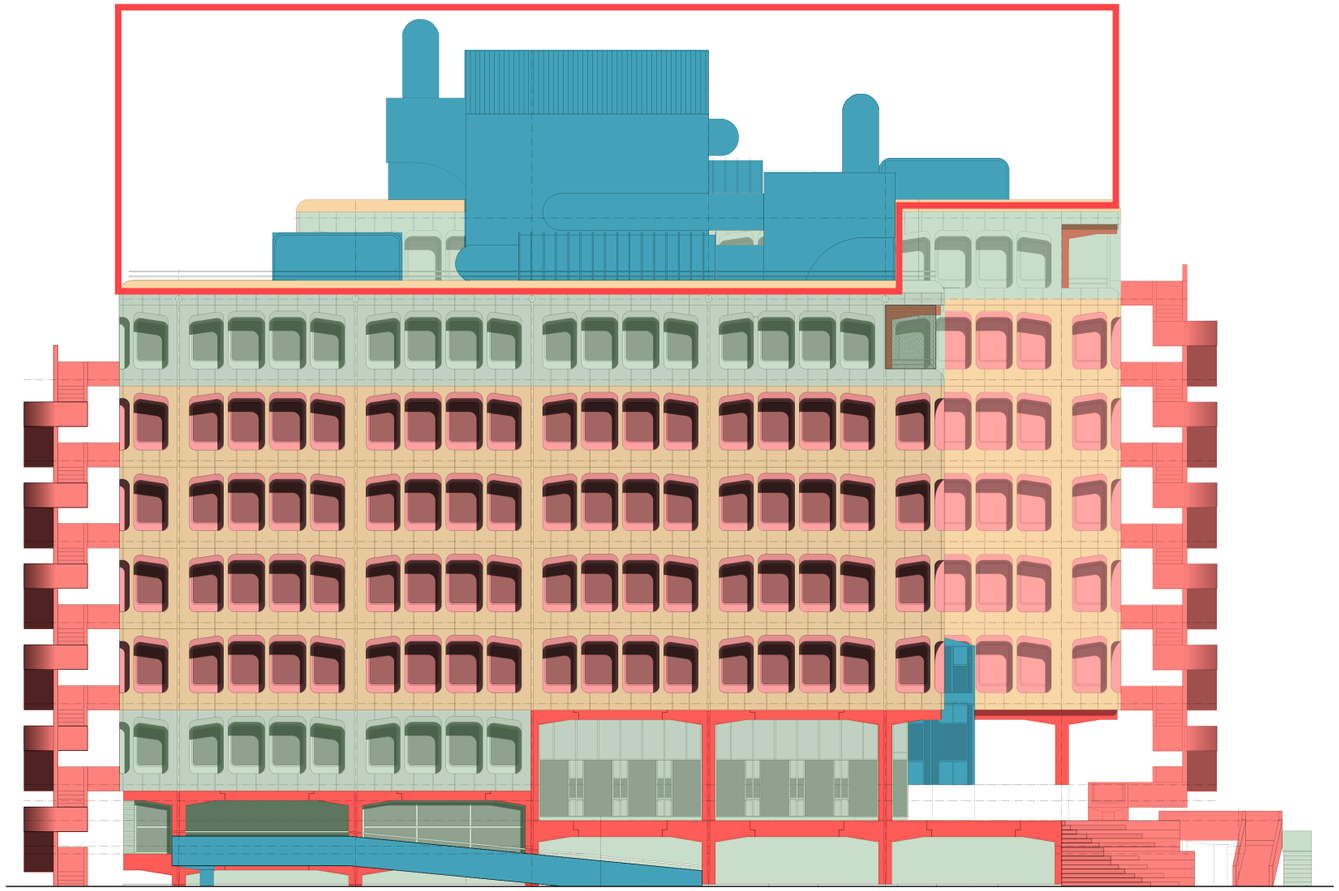


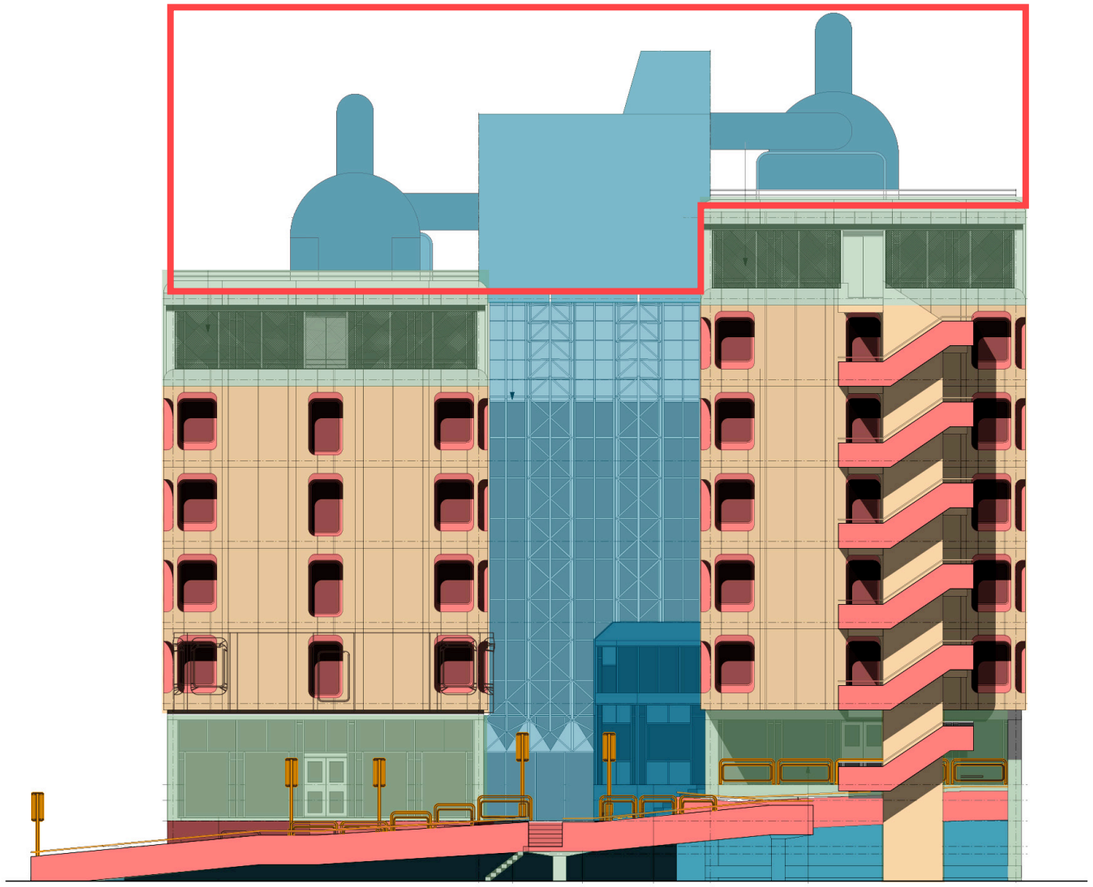
Pre-cast elements (by N. Xia)



Remove or replace each 4 double-t slabs

APPEARANCE VALUE ASSESSMENT





High Value:
- Iconic meaning of rooftop device and shape of core
- Concrete structure shape
- Concrete facade elements detail and rythm
- Fire escape staircase
- Big stairs and ramp

Positive Value:
- Massive sense of concrete facade

Indifferent Value:
- Combinition of solid and void in upper and lower floors

Low Value:
- Use value of heat wheel machine
- Facade of core
- Facade of middle part
- Space under bridge

APPEARANCE INTERVENTION STRATEGY

1. Rooftop and Middle Facade

Create a new iconic rooftop space, which is beneficial to inner climate. Vertical line is introduced to echo with existing facade rythm.

2. Previous Entrance

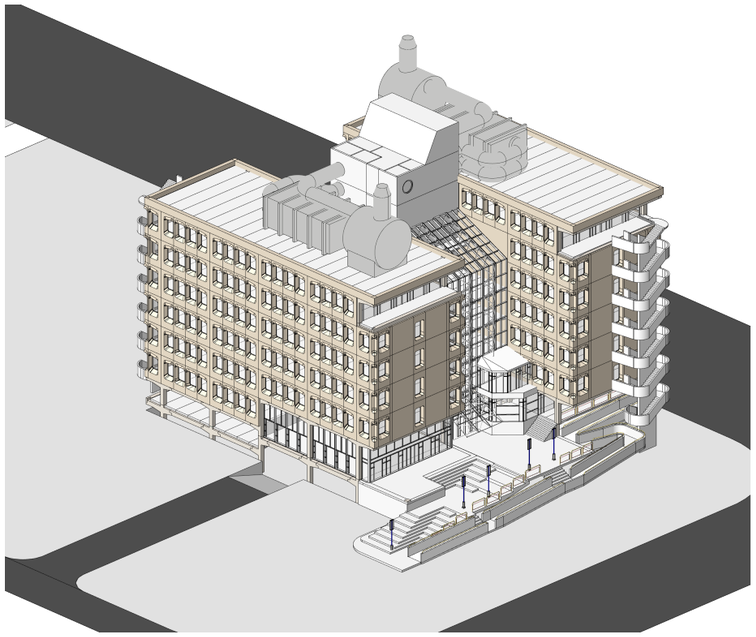
Herizontal roof and portical with vertical columns enclose the stairs and ramp.

3. Solid with Exception

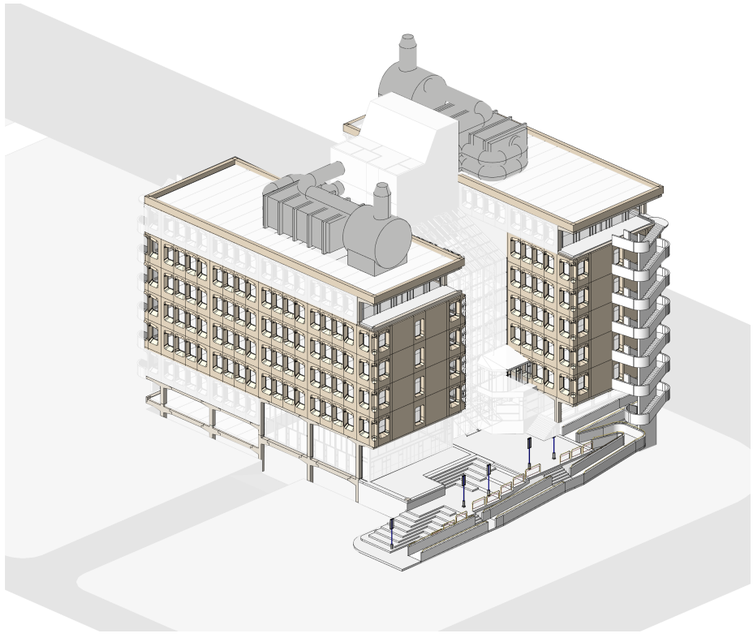
One concrete facade unit is replaced with exceptive one to break the tediousness and introduce vitality.
The rythm and details are preserved at the same time.

4. Redefine "Solid and Void"

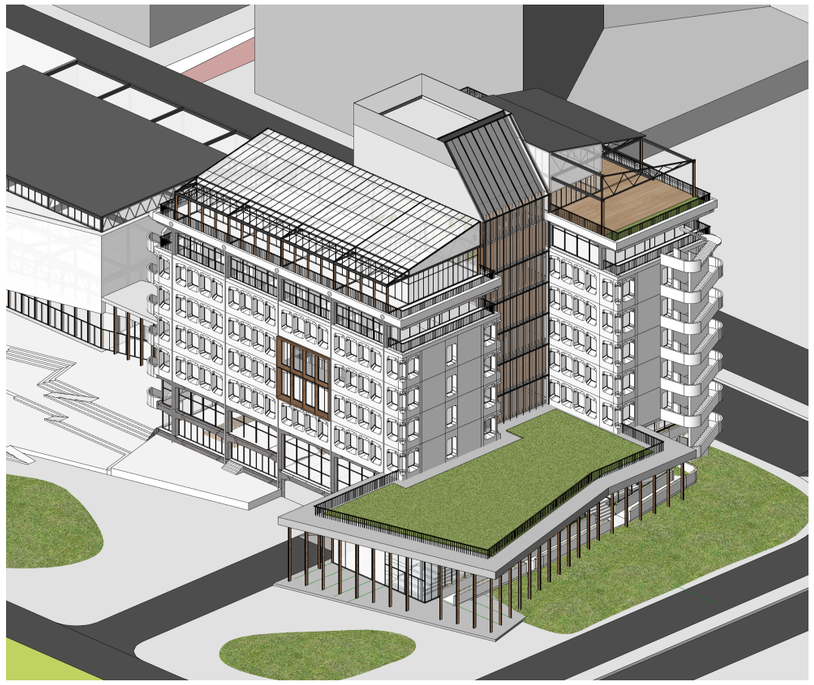
Leave middle floors facade totally massive and the other floors void. Existing concrete structure is highlighted by being painted dark color; and concrete facade elements are painted white color.



Before

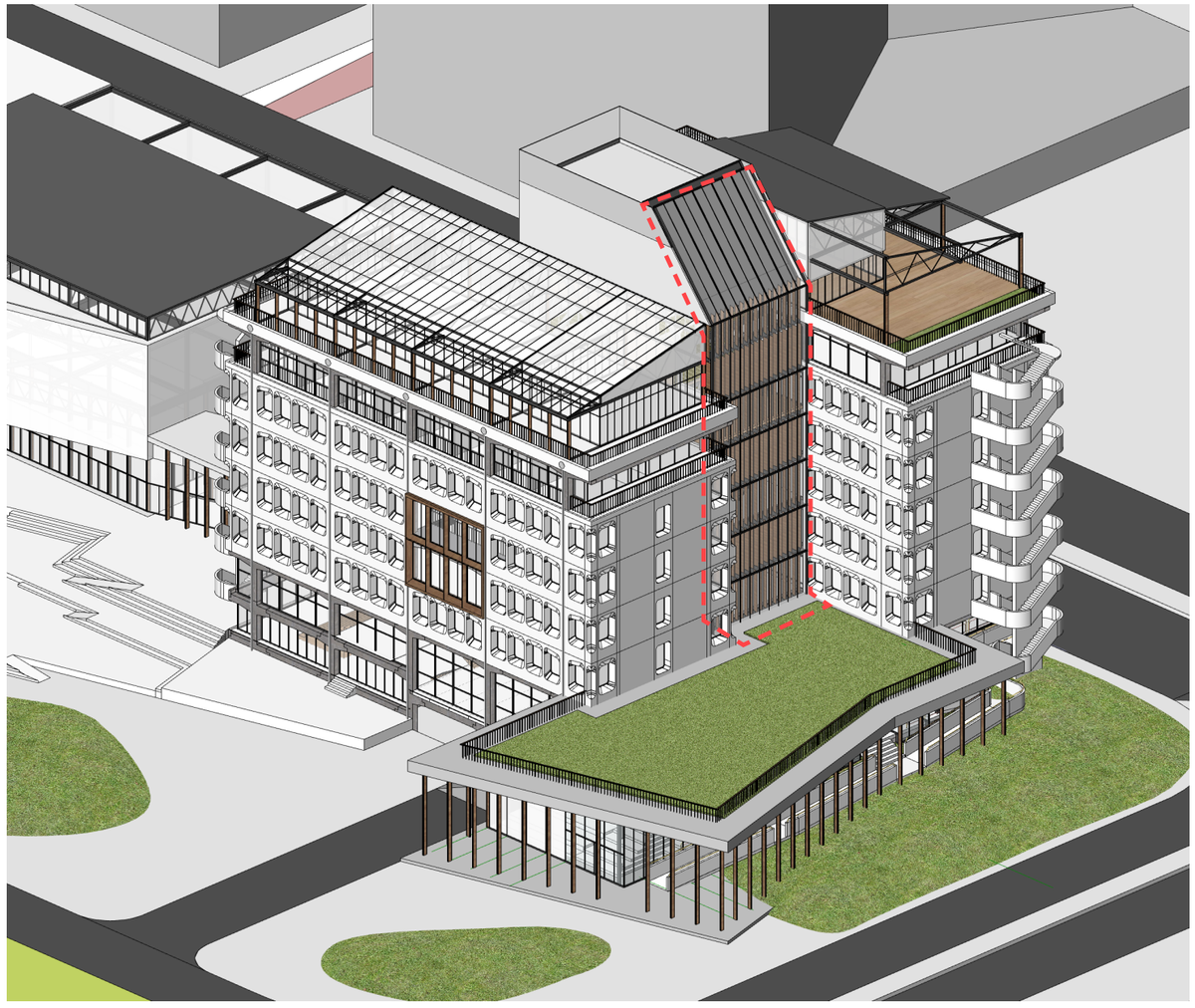


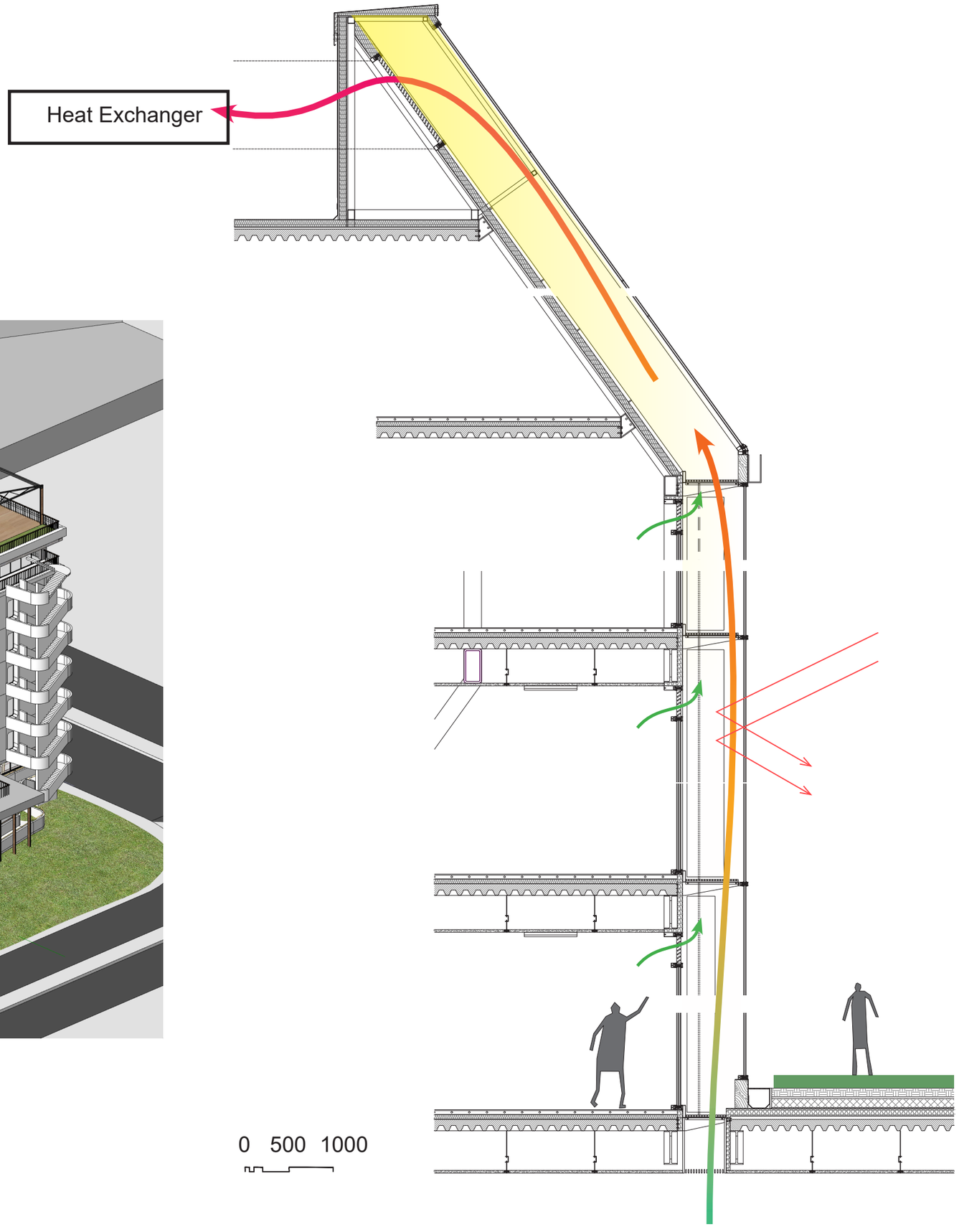
High-value parts



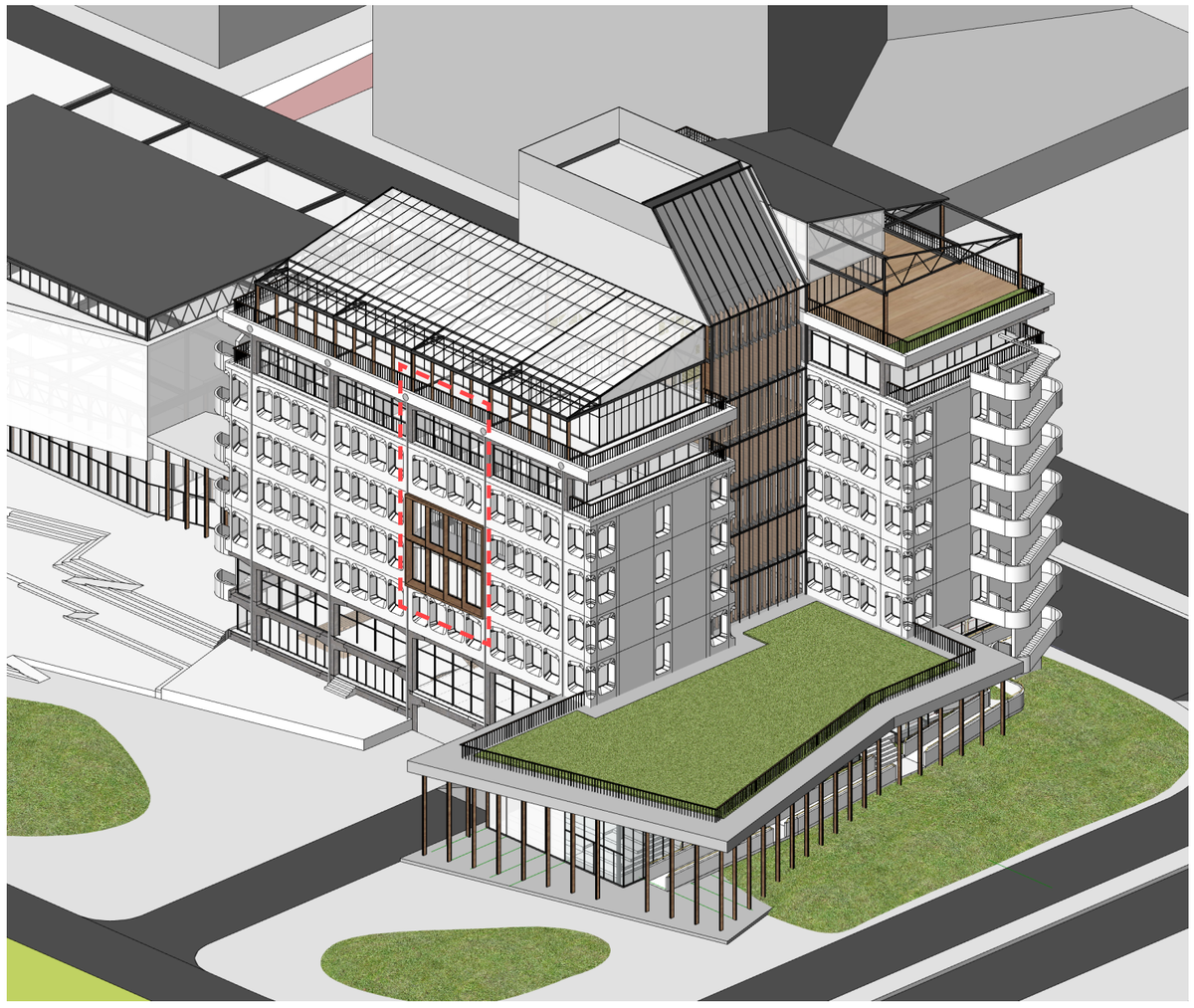
After

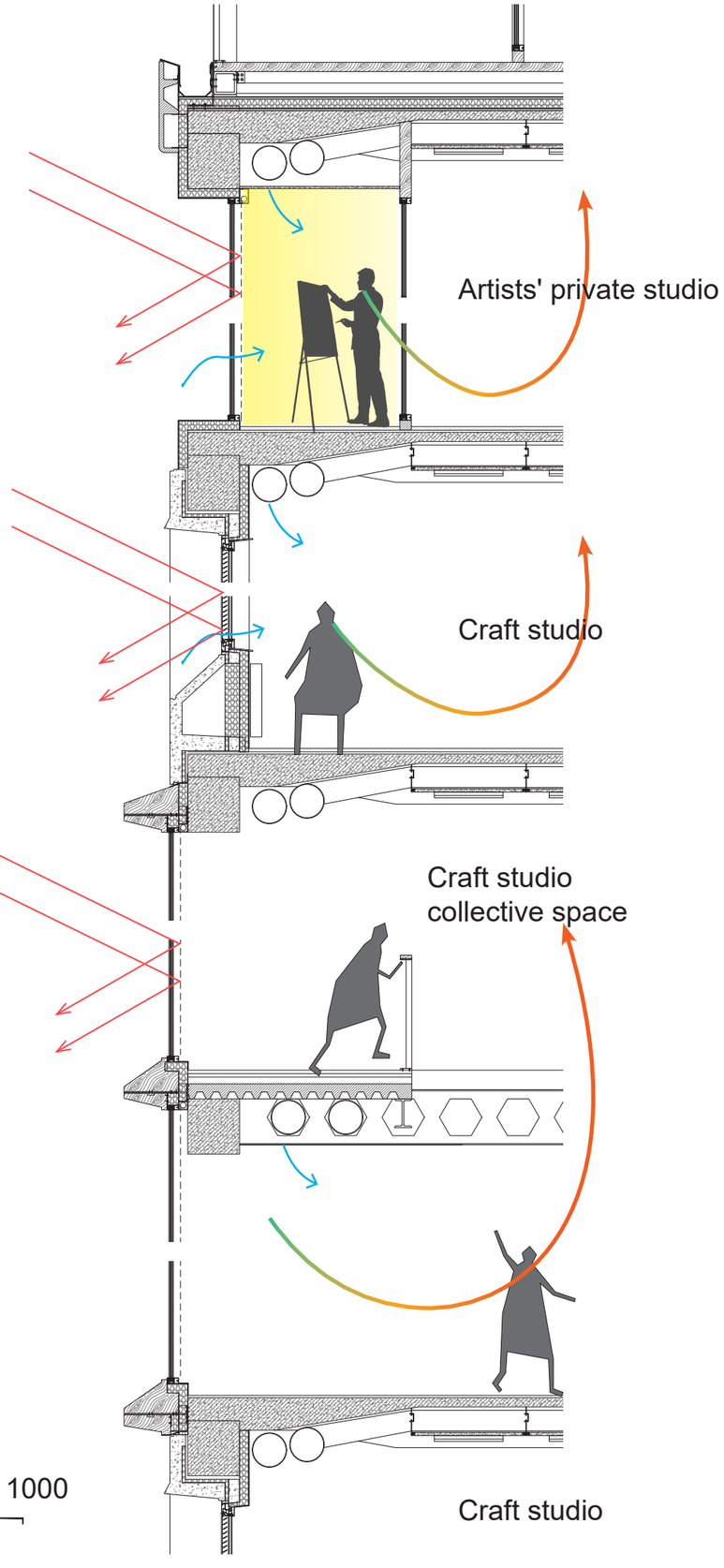
SOUTH FACADE FRAGMENT





WEST FACADE FRAGMENT





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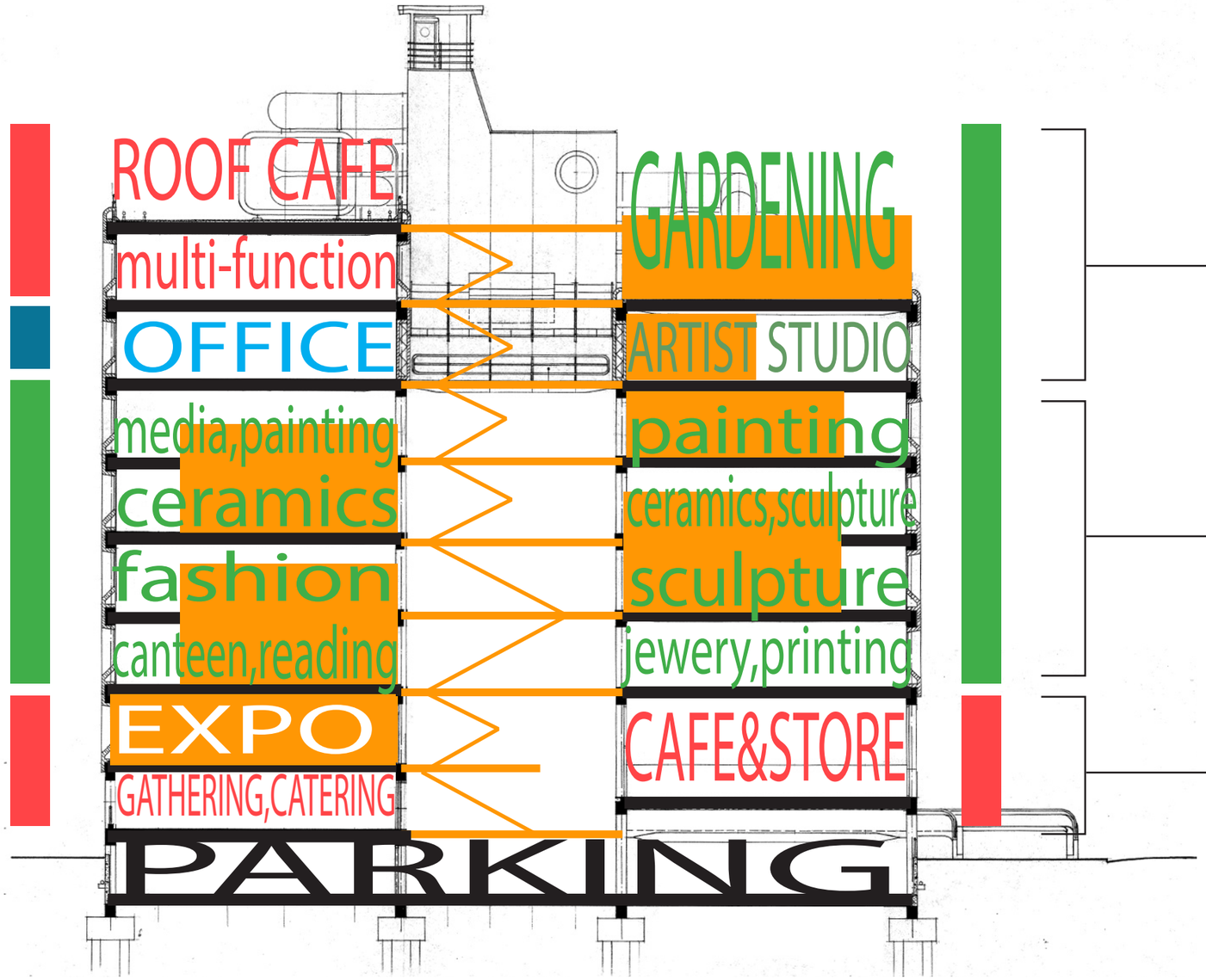
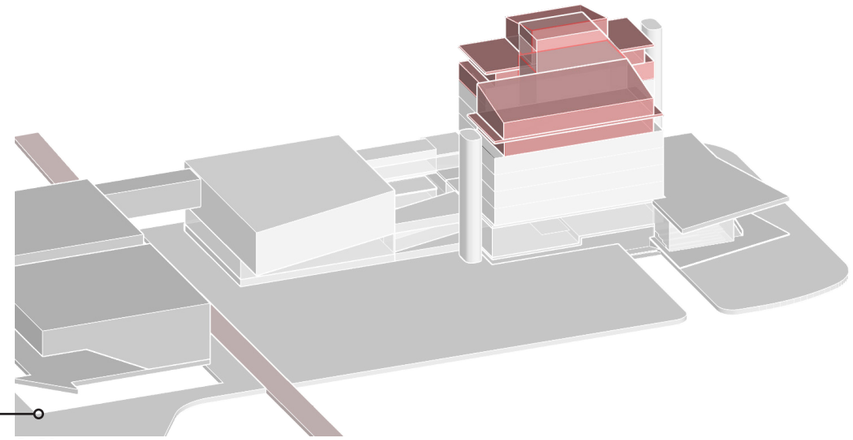
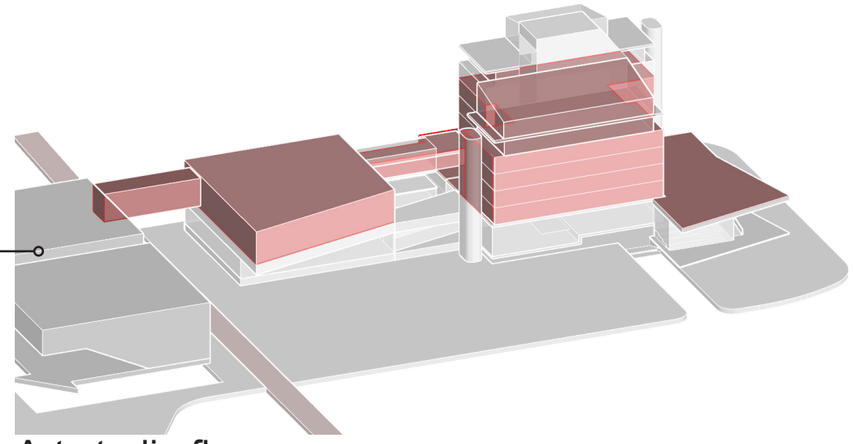
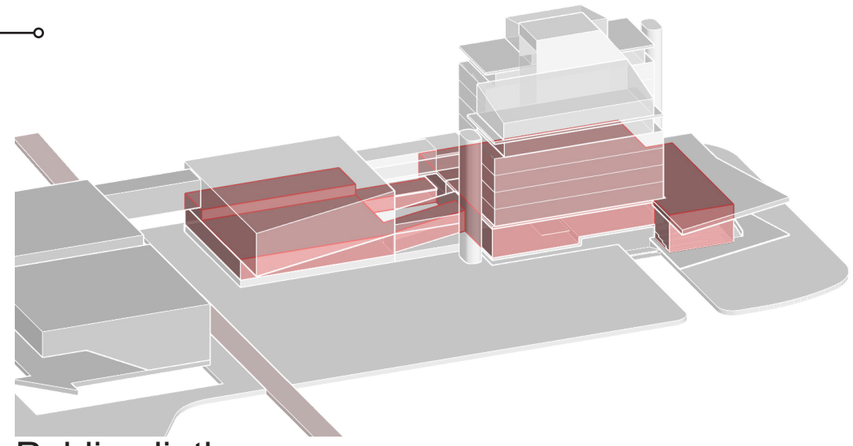




Mix-use

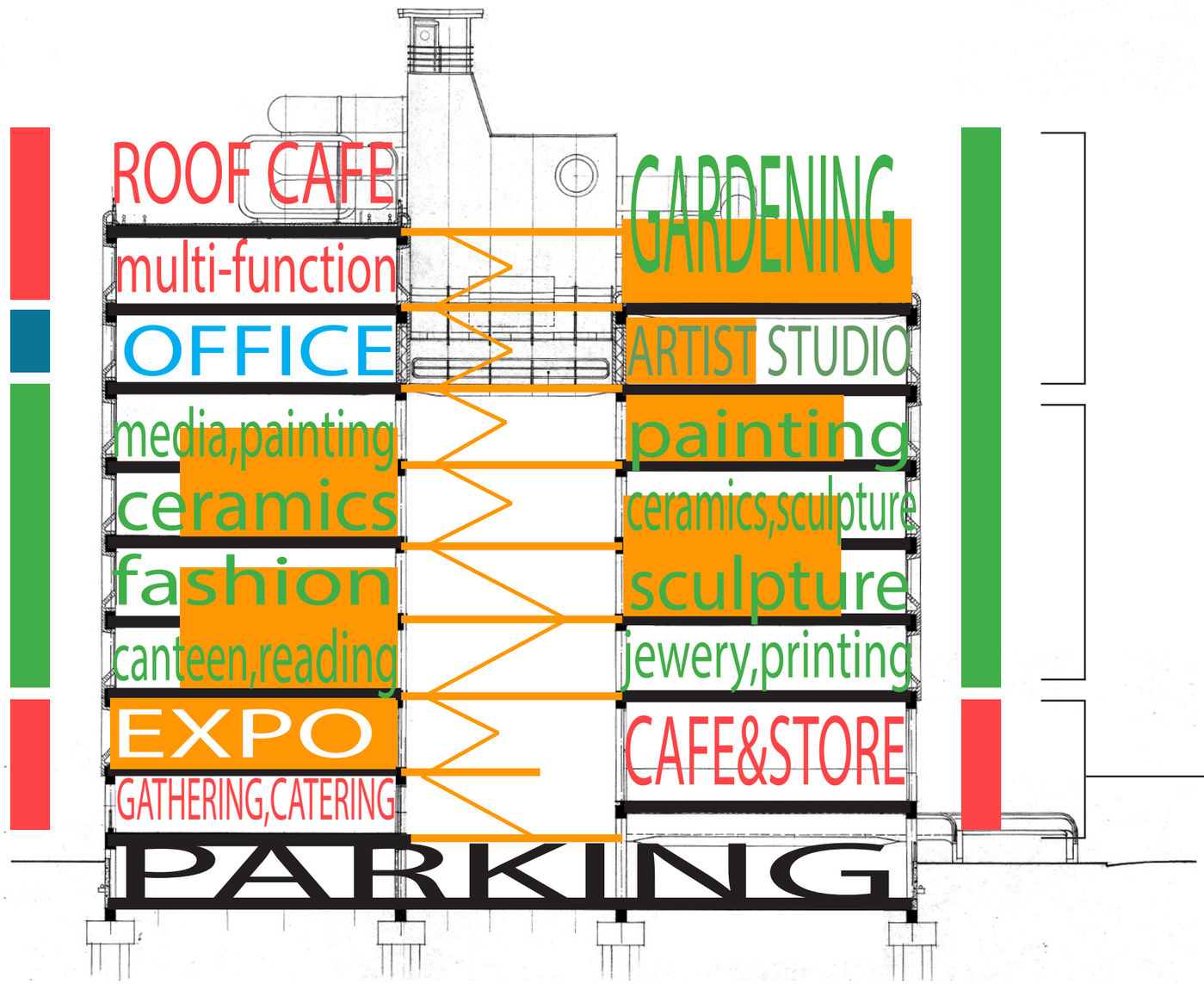


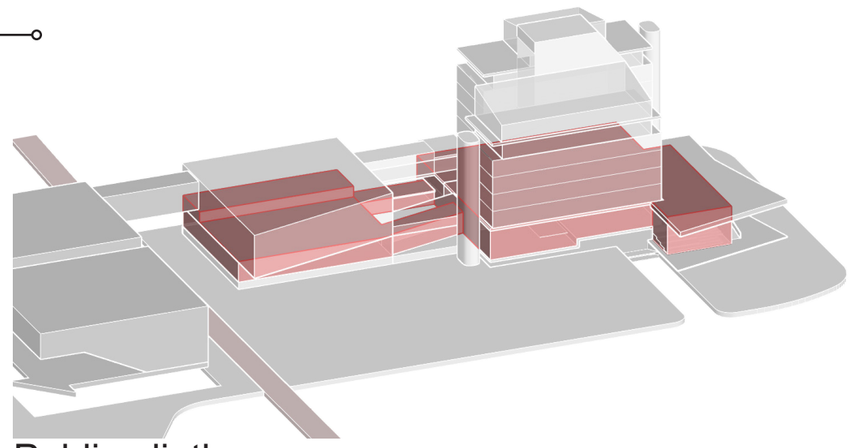
Art studio floors



Public plinth

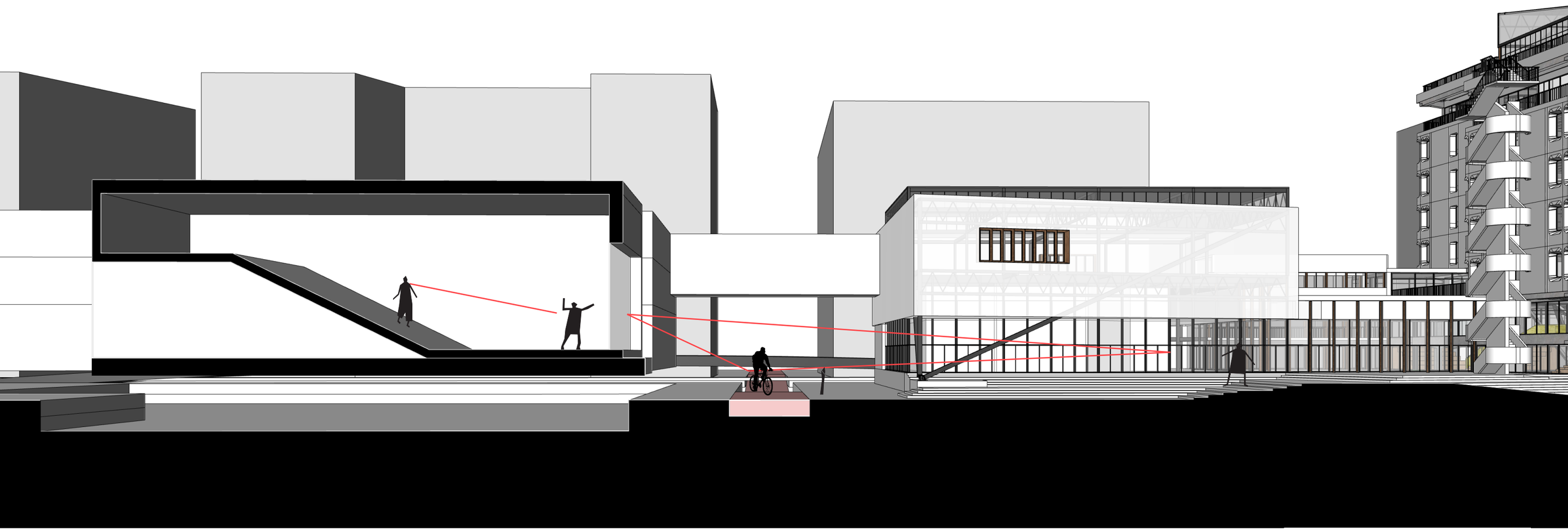
PUBLIC PLINTH

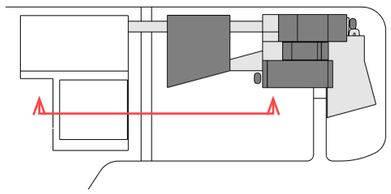




Public plinth

URBAN SPACE CONNECTION





GF

N

GF

RESTAURANT

MEETING PLACE

SNACK BAR

PERFORMANCE HALL

CAFE

BOOK &
SOUVENIR SHOP
SCREENING ROOM

N

SECONDARY ENTRANCE INTERIOR













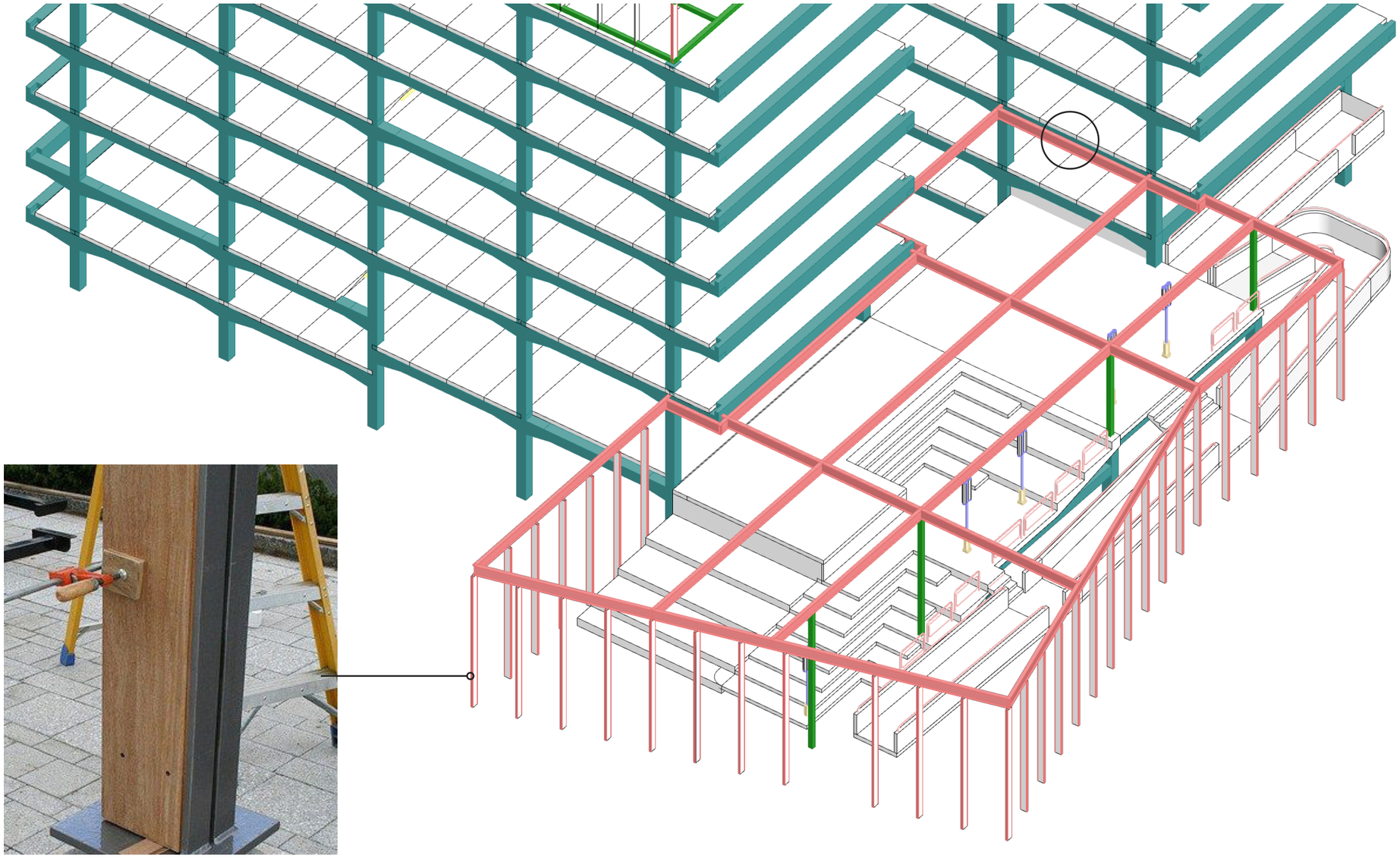


MAIN AND SECONDARY ENTRANCE

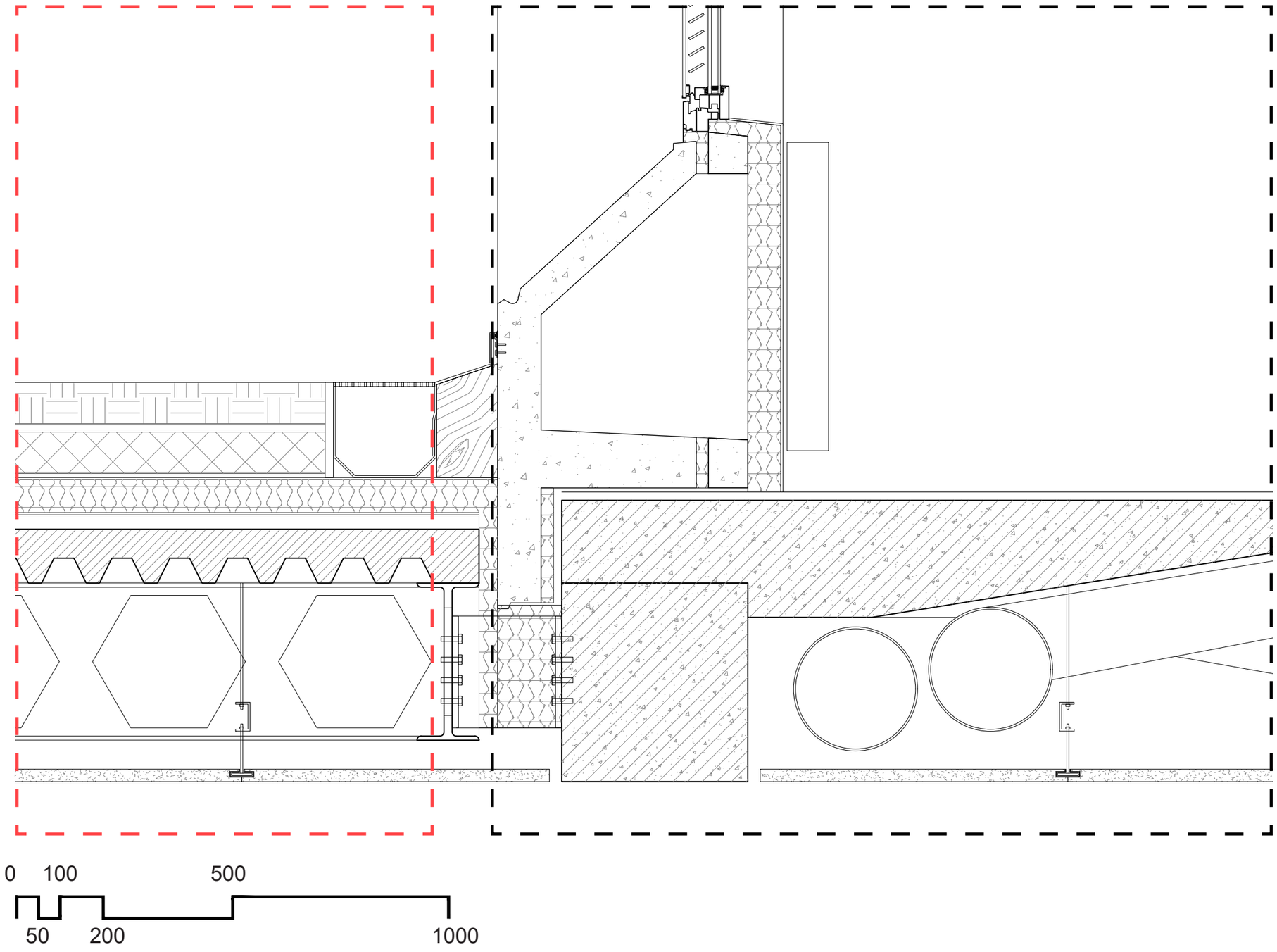




SECONDARY ENTRANCE STRUCTURE



TERRACE CONNECTION



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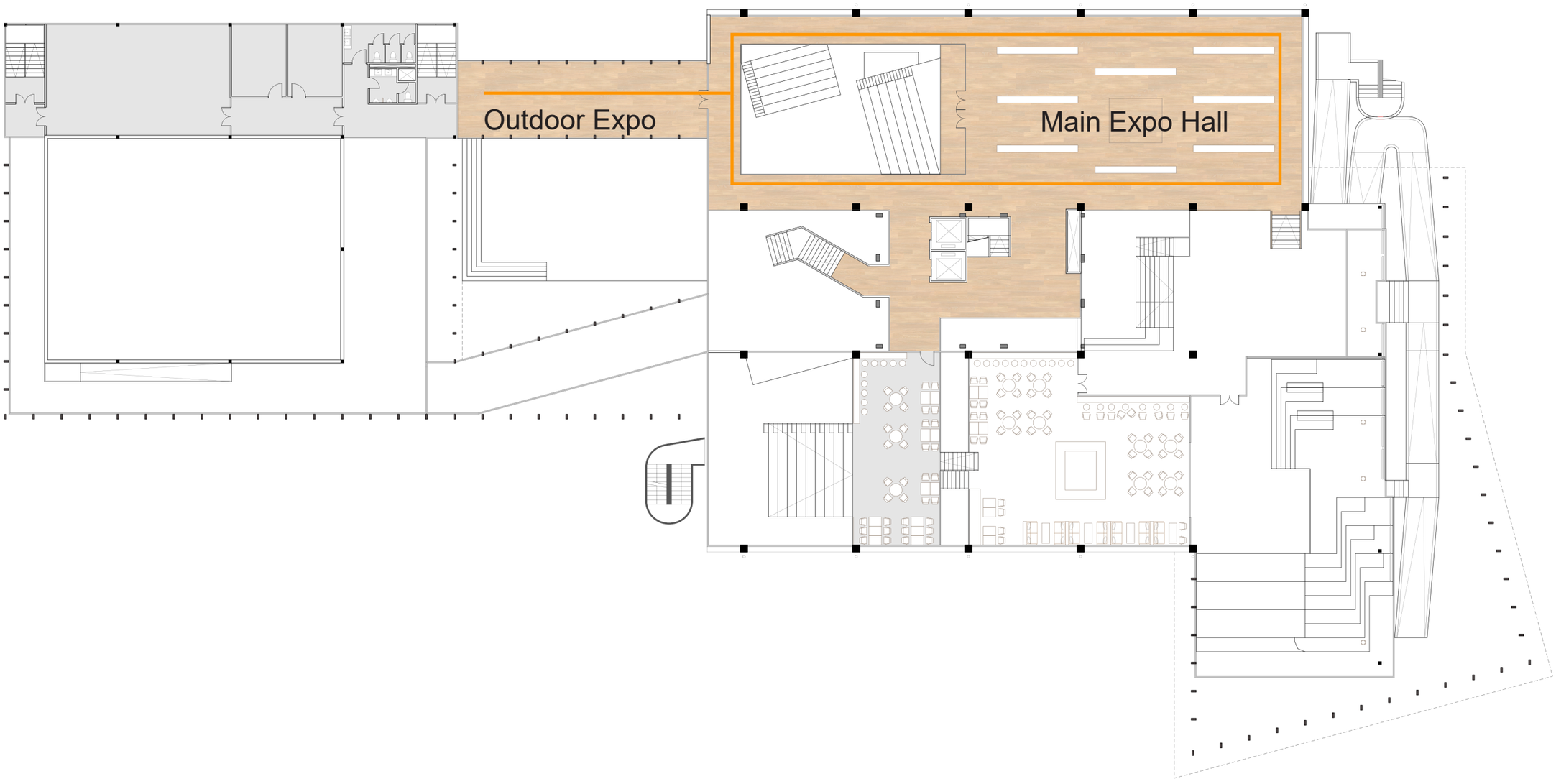
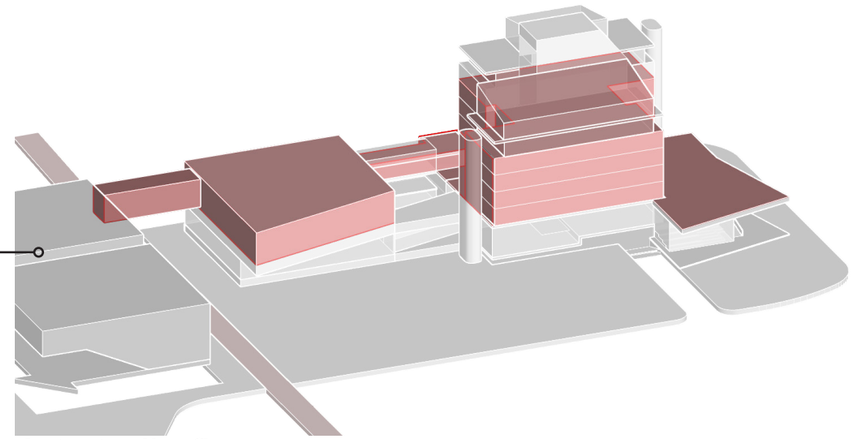


MEETING PLACE AT MAIN ENTRANCE



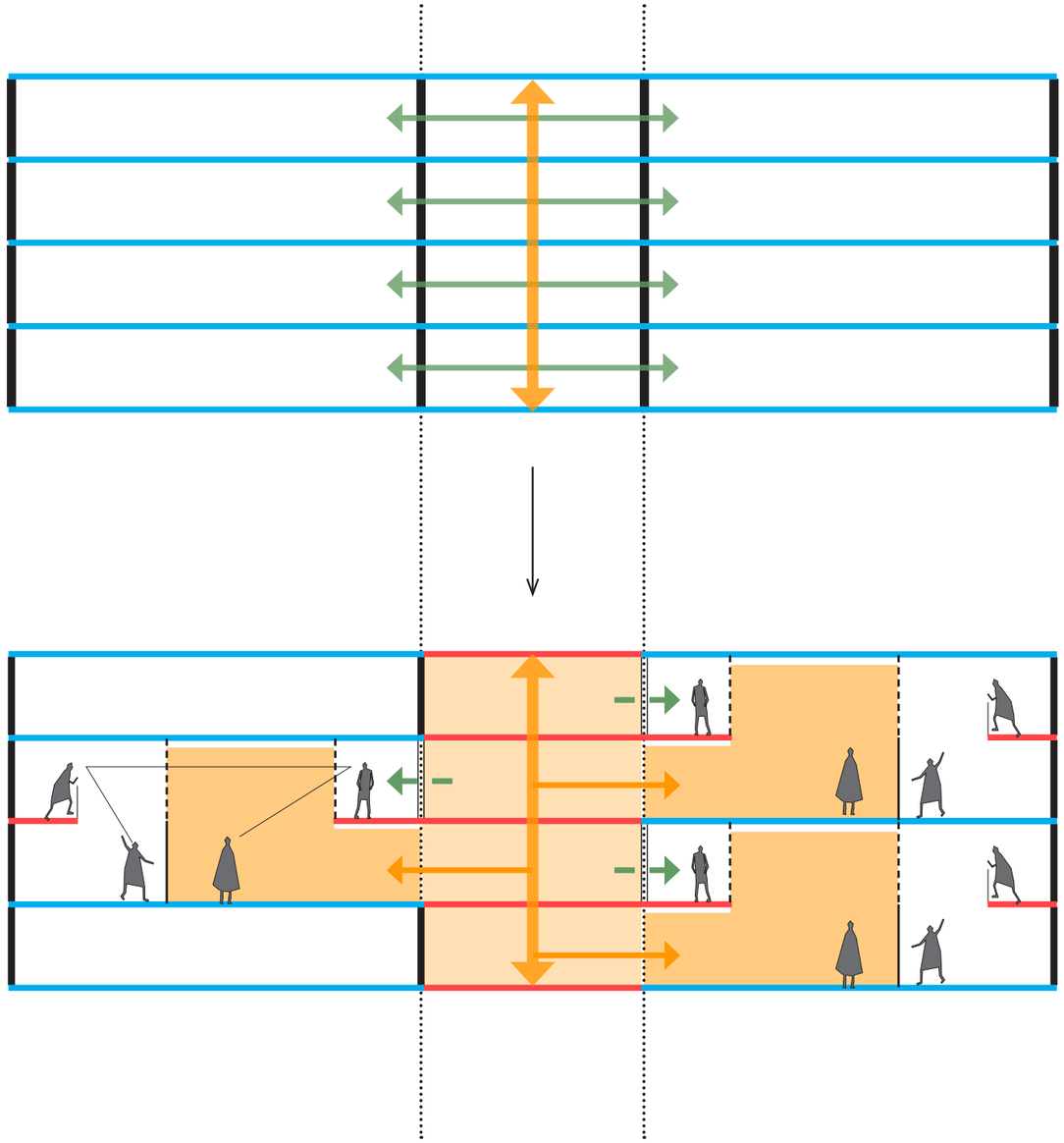
ART STUDIO FLOORS

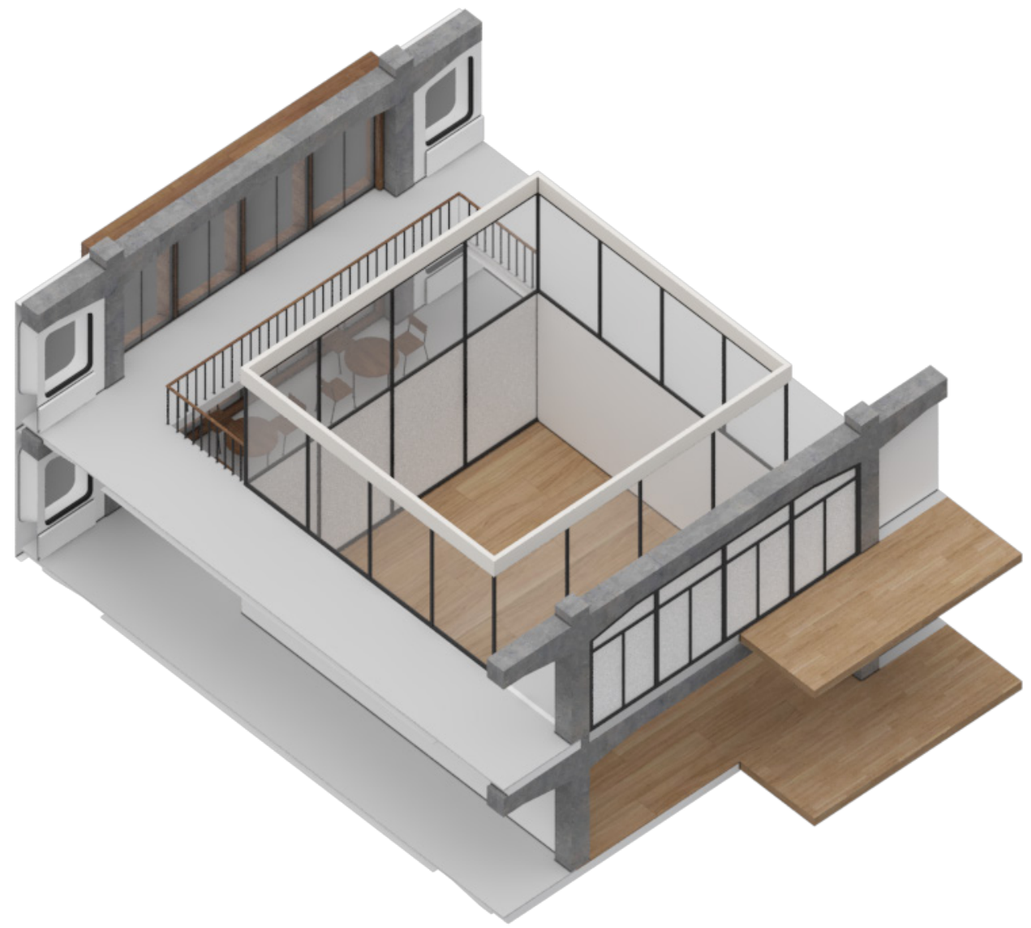




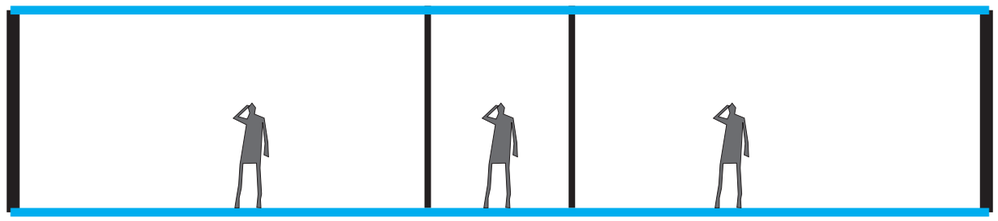
Art studio floors

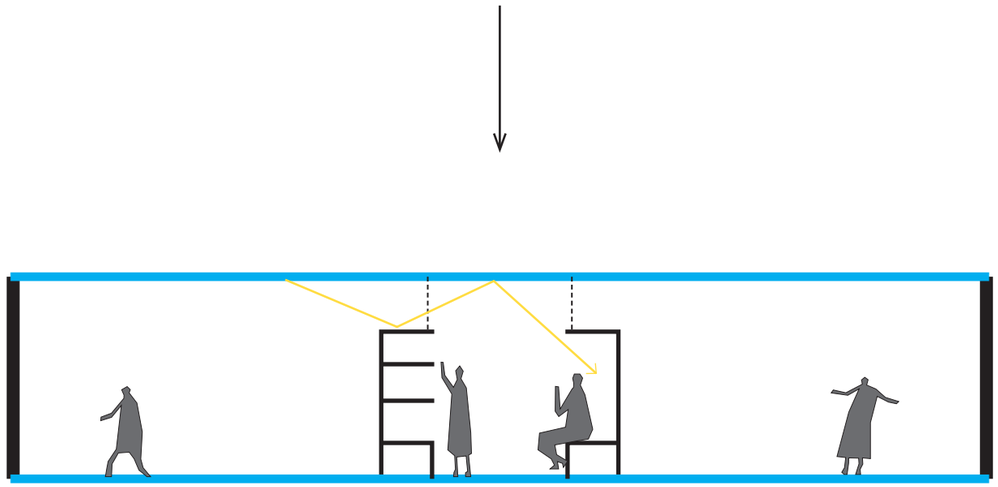
EXPO SPACE AND CIRCULATION STRATEGY

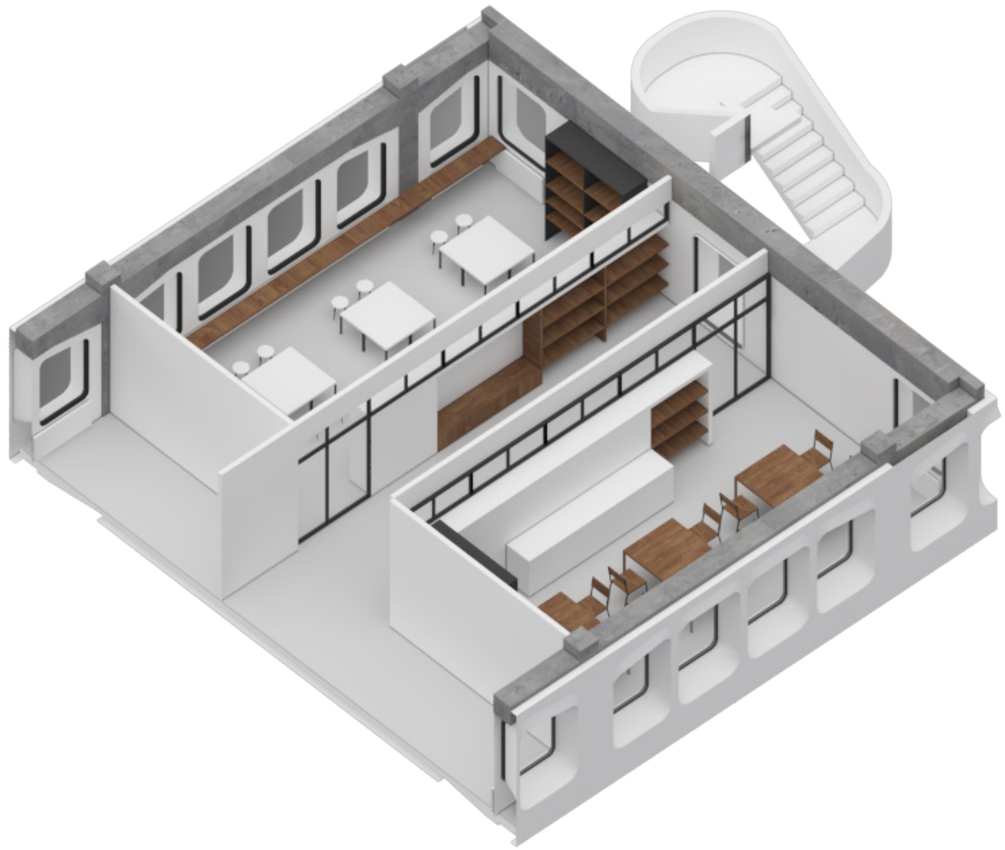




STUDIO CORRIDOR SPACE STRATEGY







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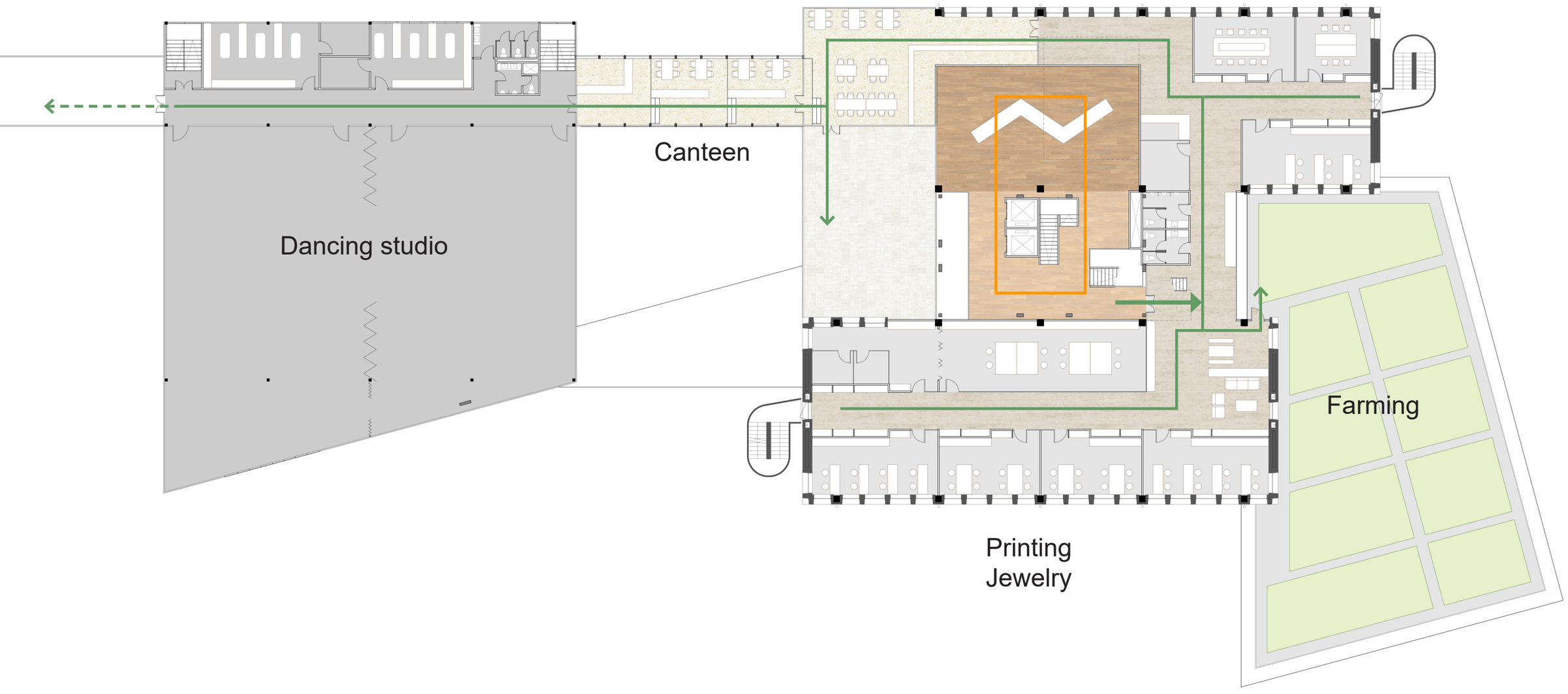

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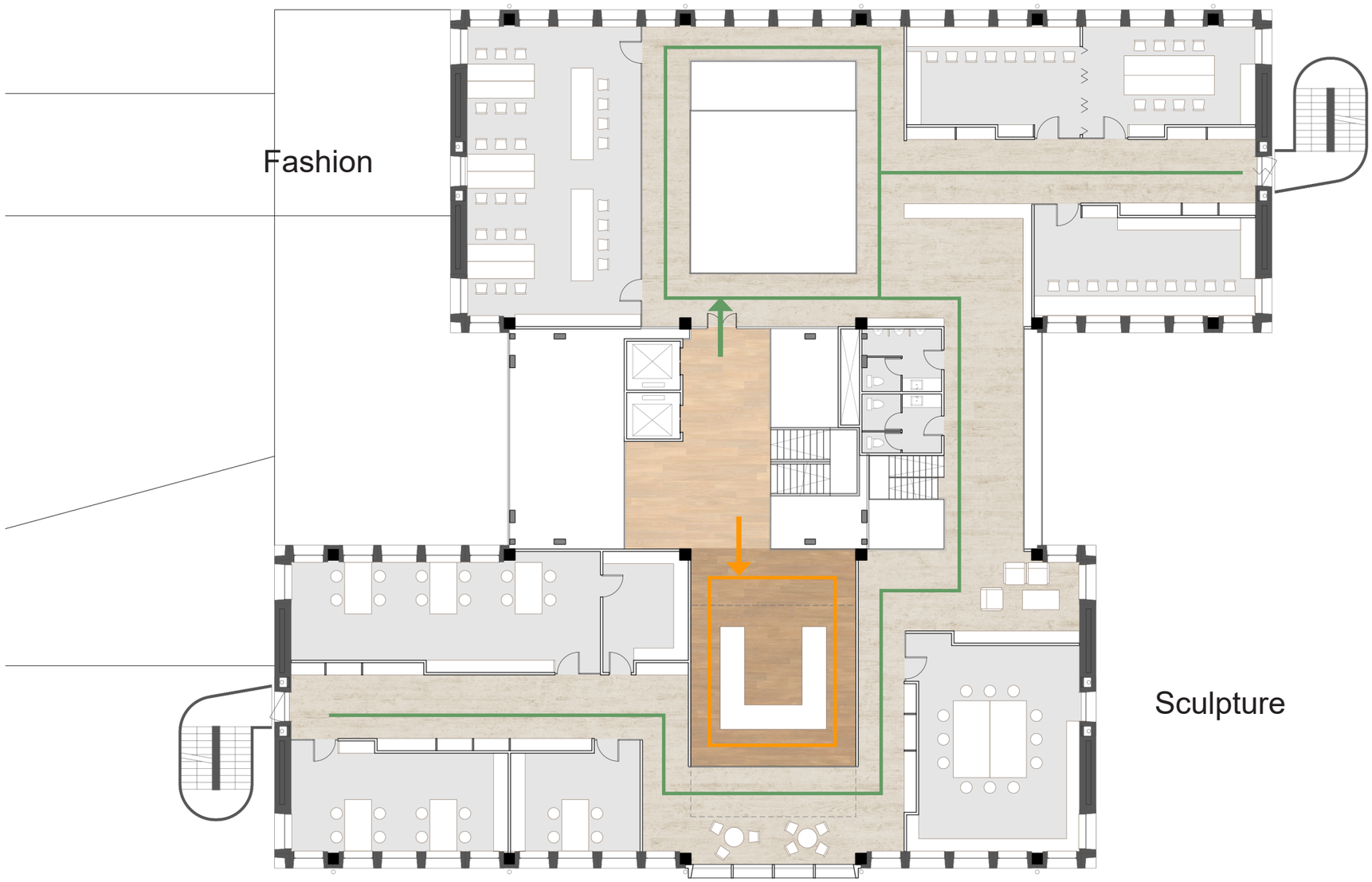

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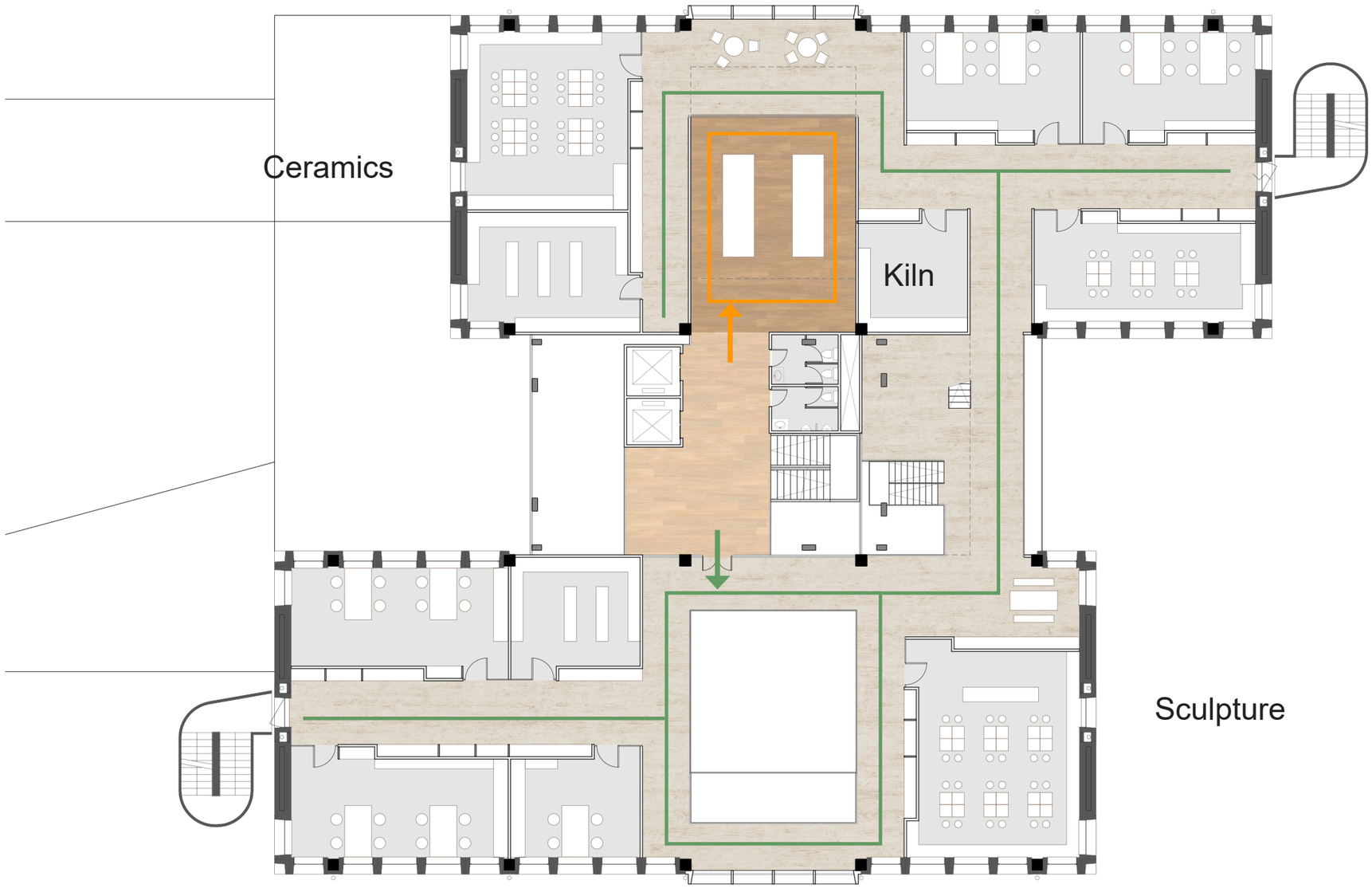

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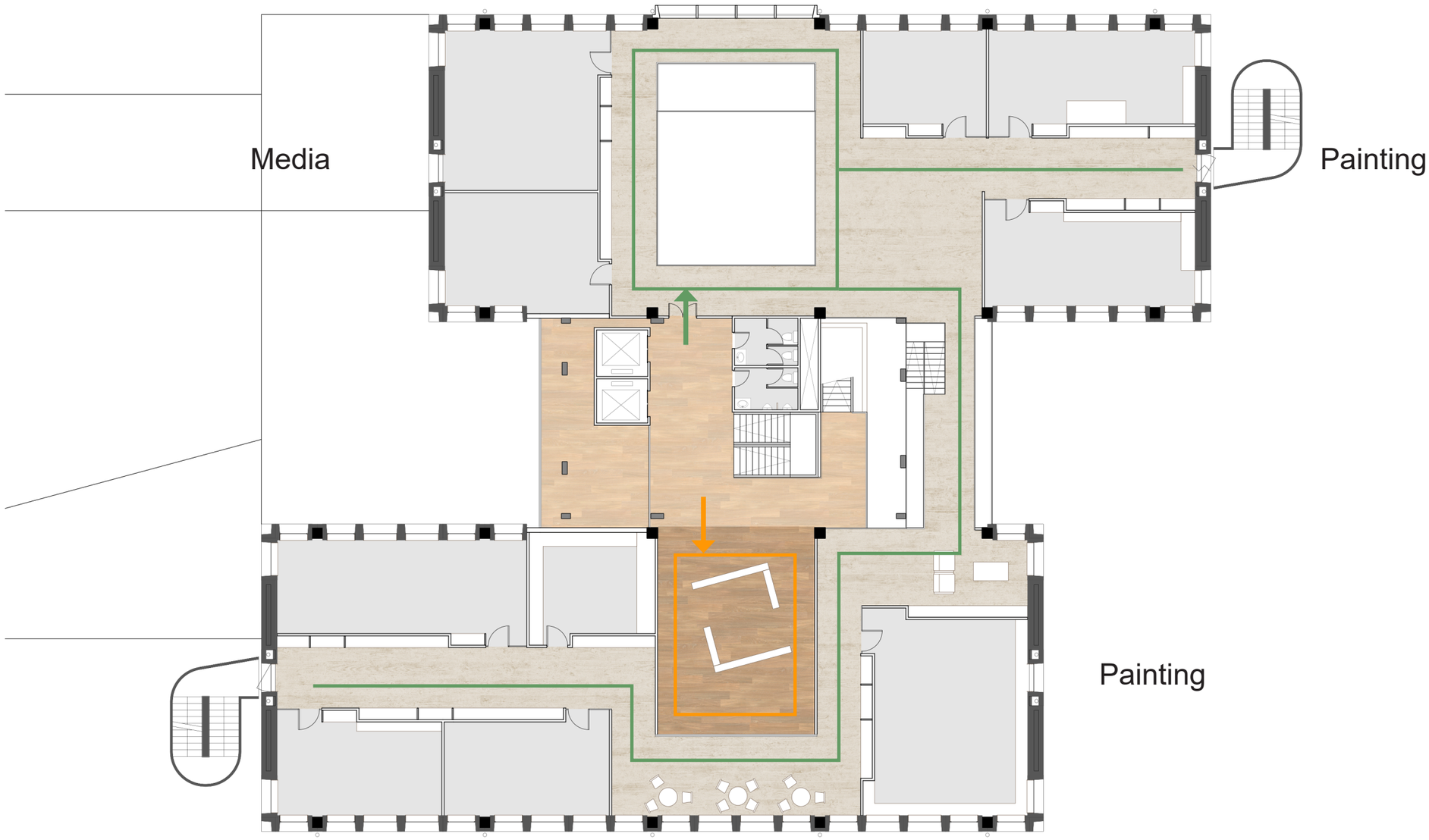
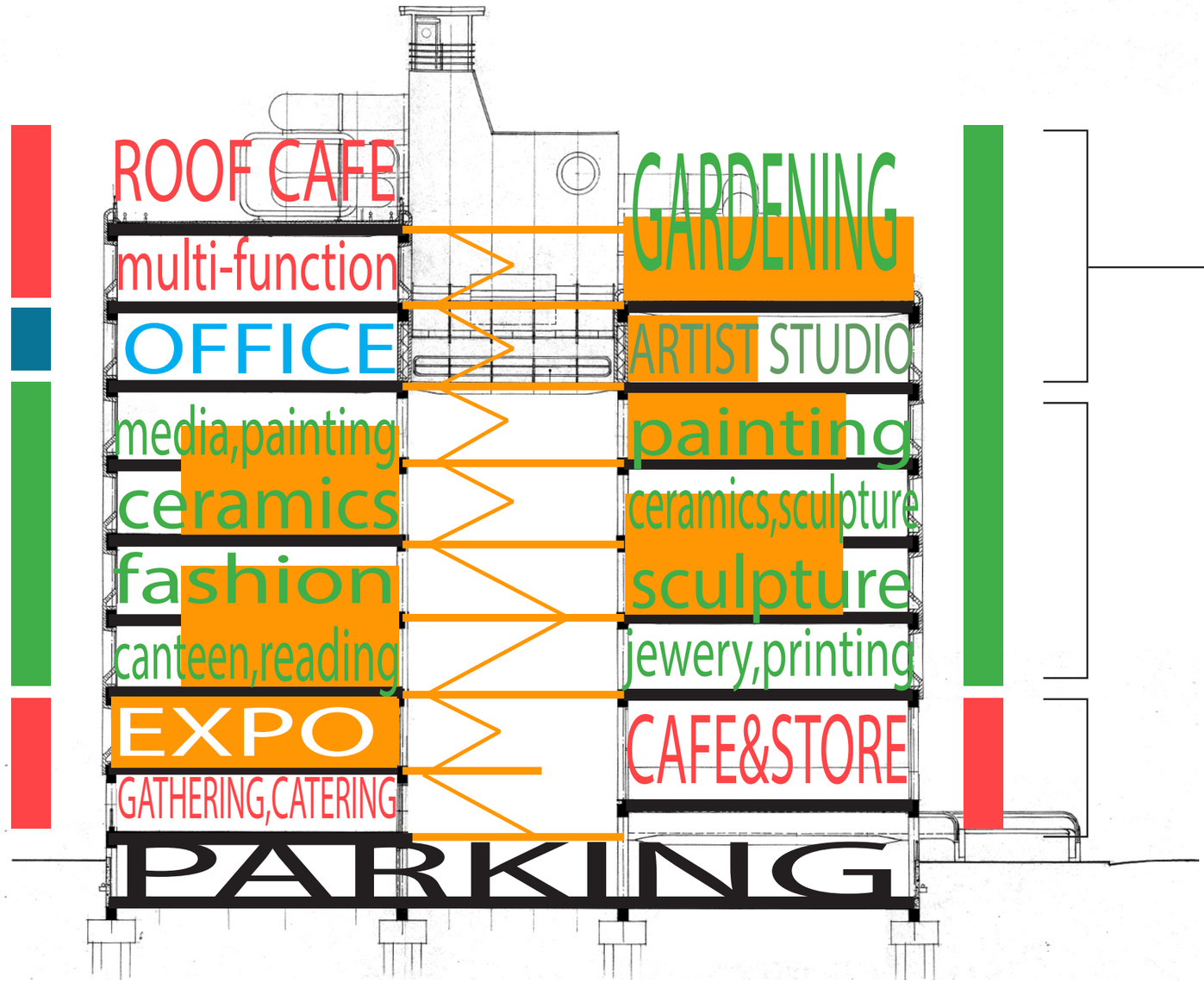


MIX-USE ZONE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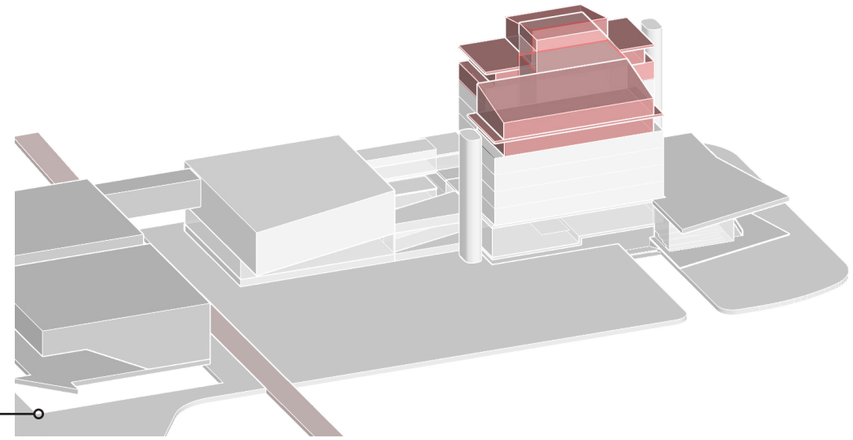
multi-function
OFFICE
media,painting
ceramics
fashion
canteen,reading
EXPO
GATHERING,CATERING
PARKING
GARDENING
ARTIST STUDIO
painting
ceramics,sculpture
sculpture
jewery,printing
CAFE&STORE


Mix-use

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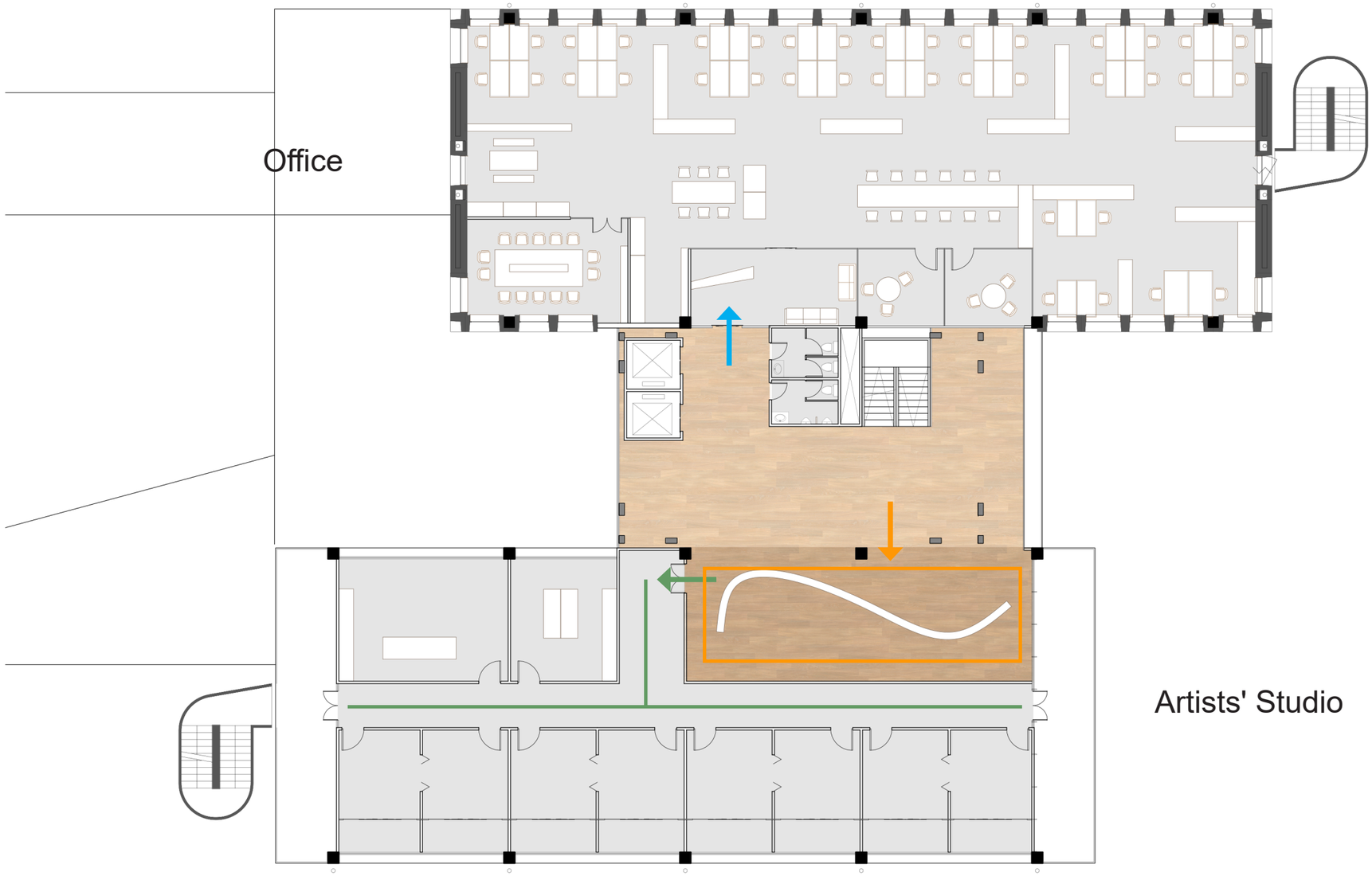

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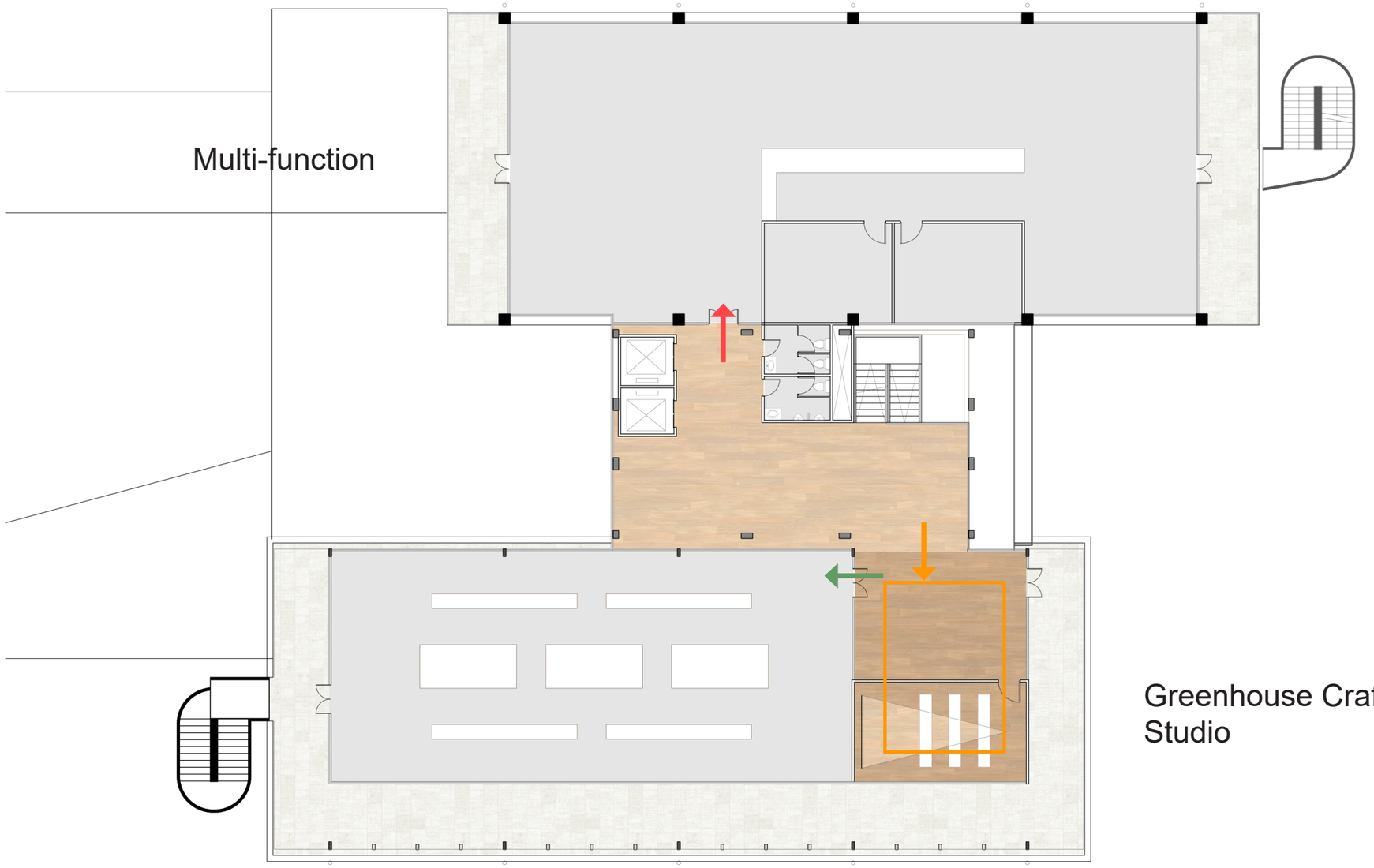
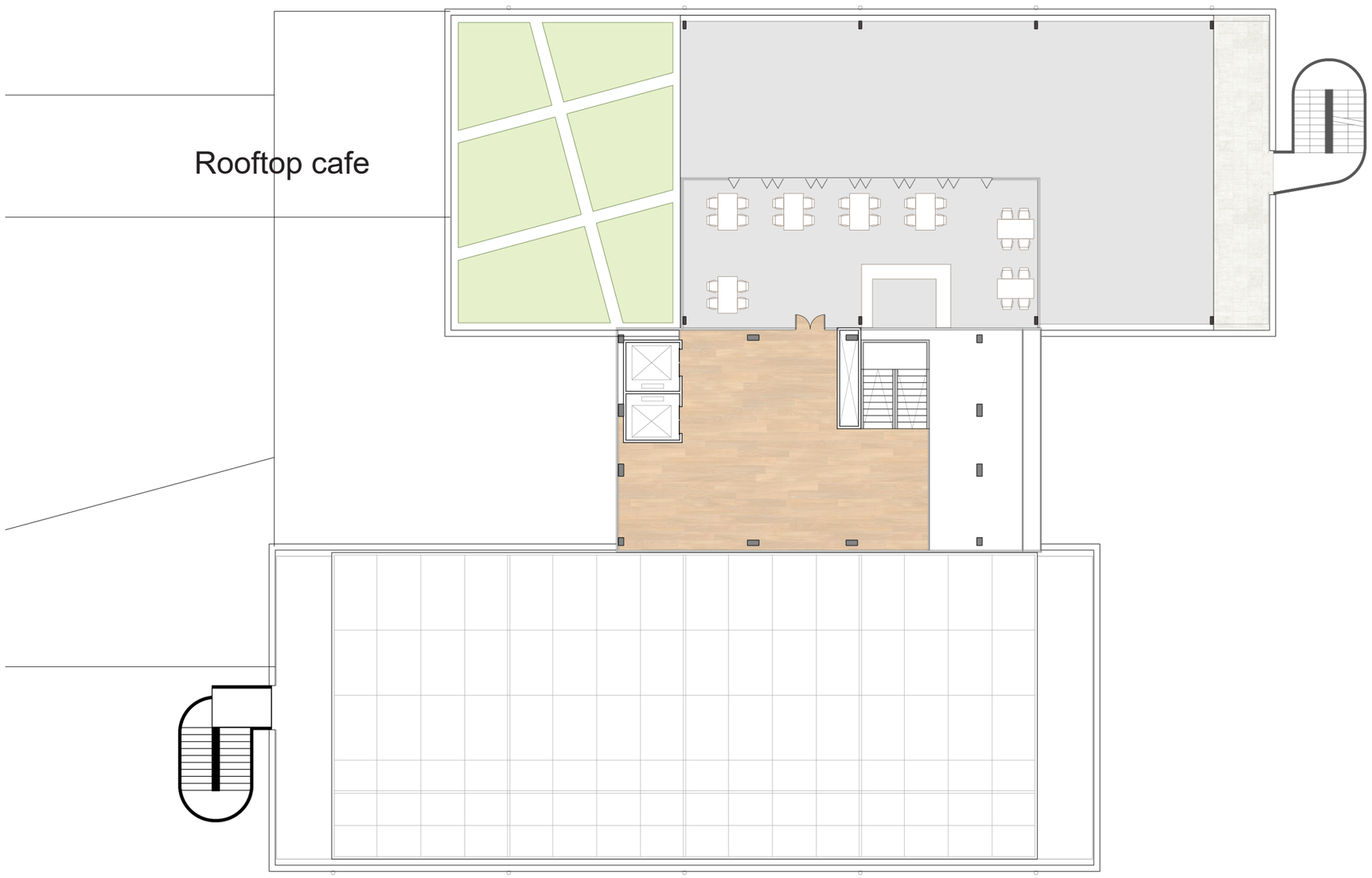


Greenhouse Craft
Studio

8F



GREENHOUSE TERRACE



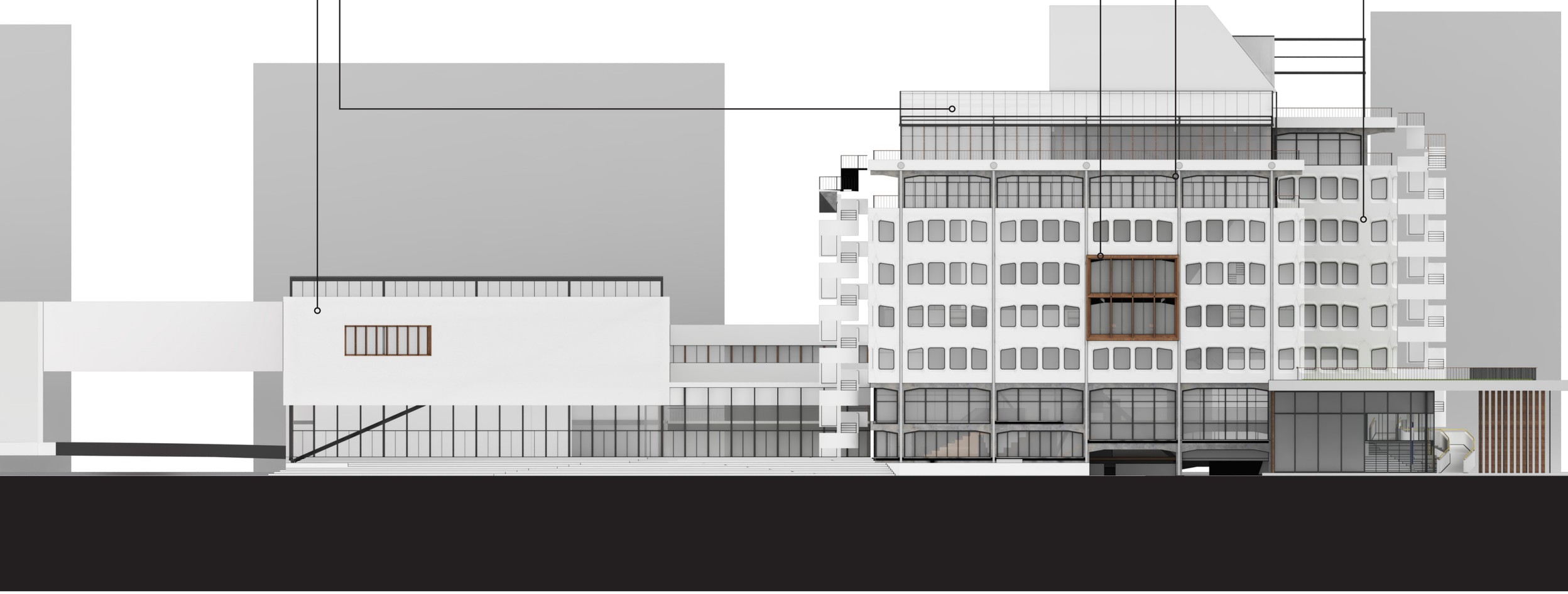
WEST ELEVATION











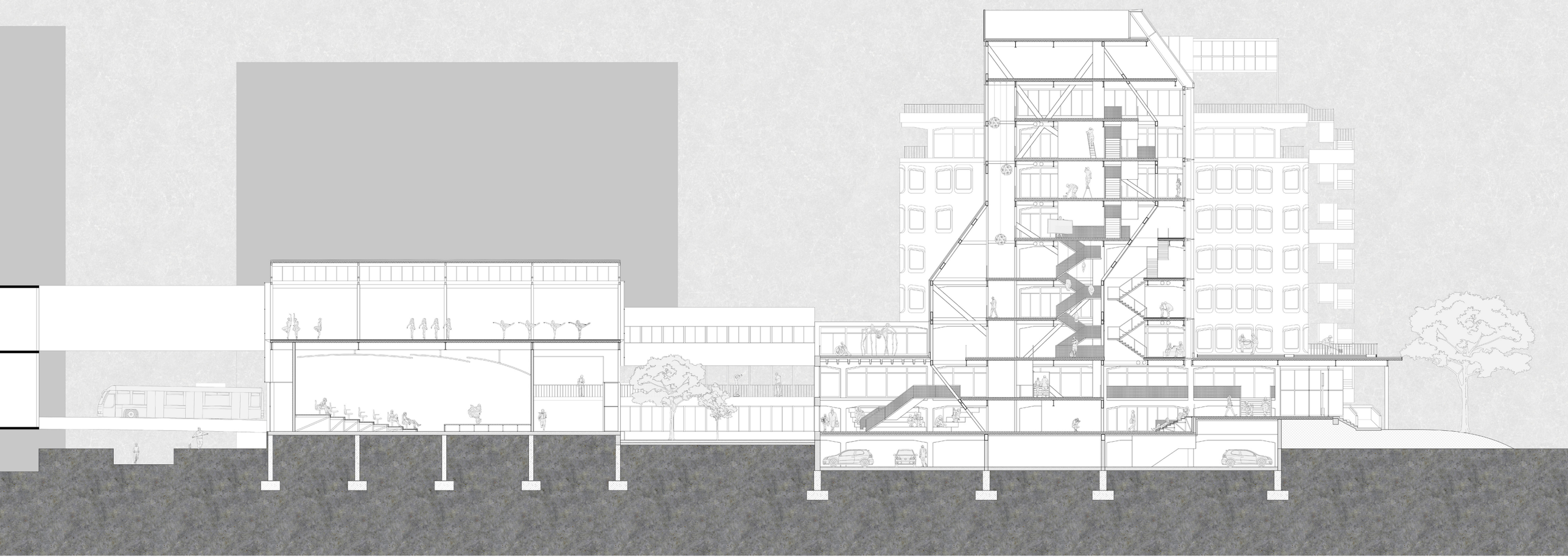
SOUTH ELEVATION

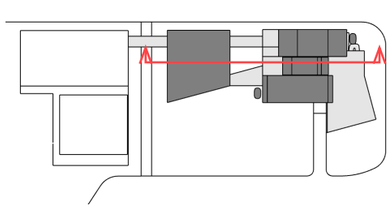




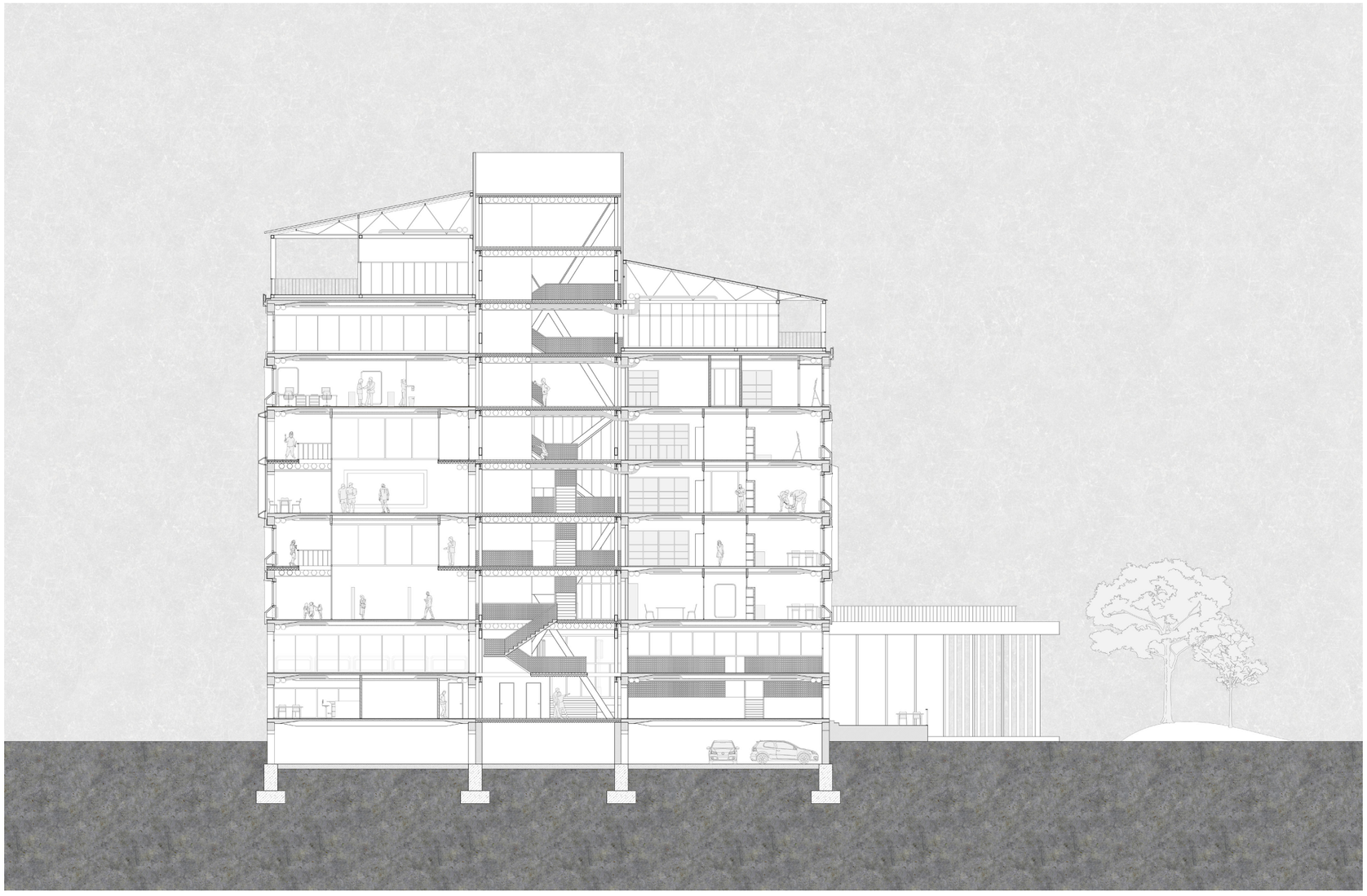


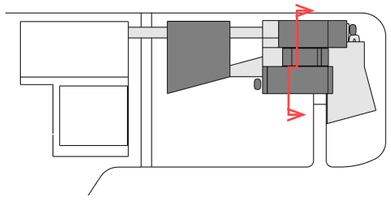
SECTION A



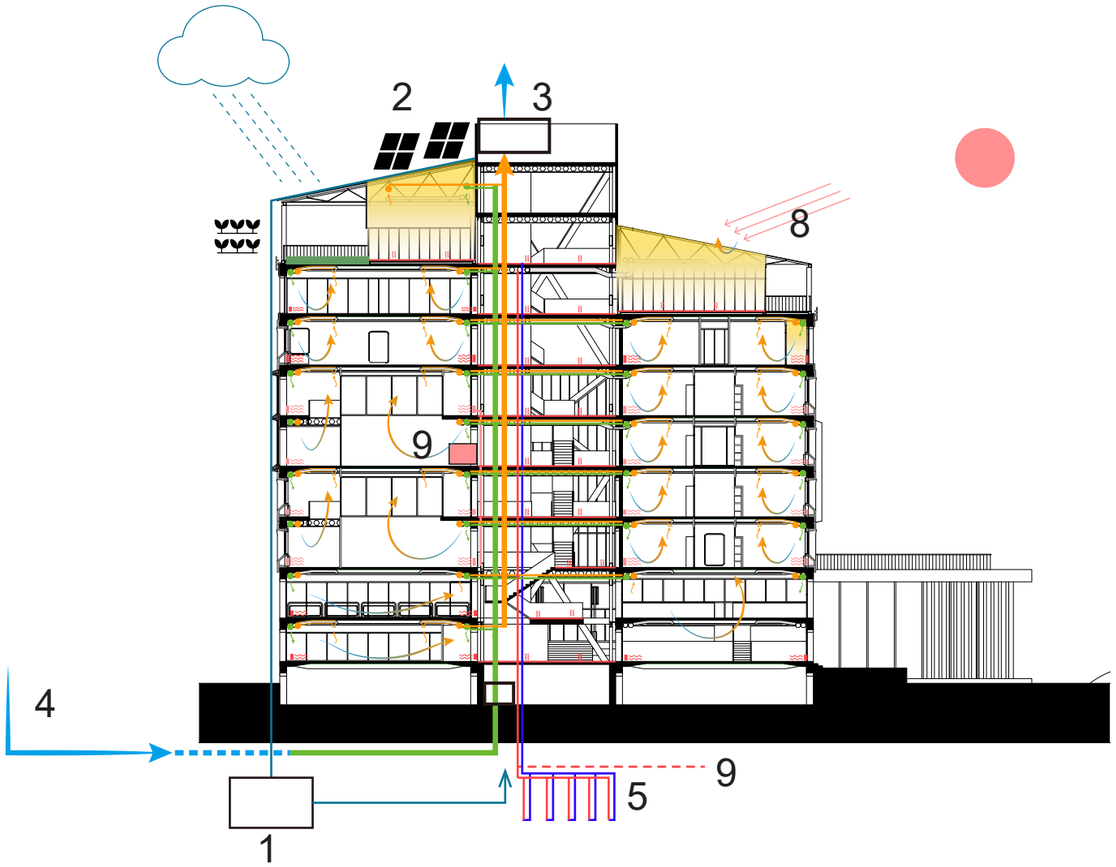


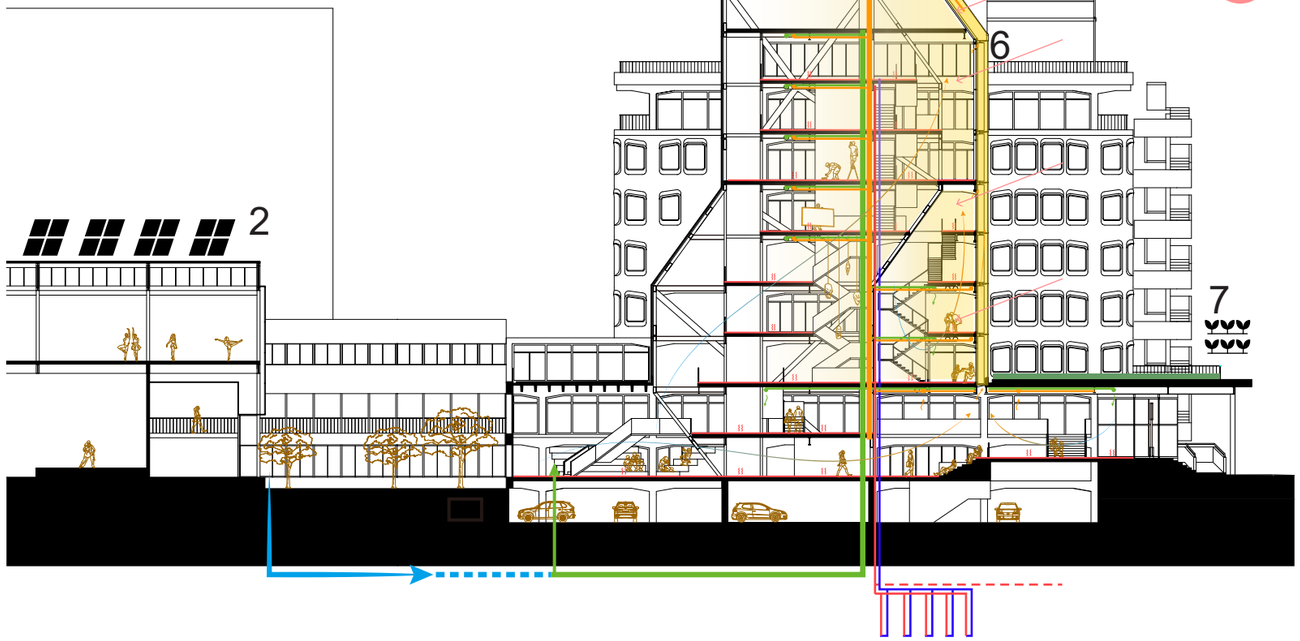
SECTION B





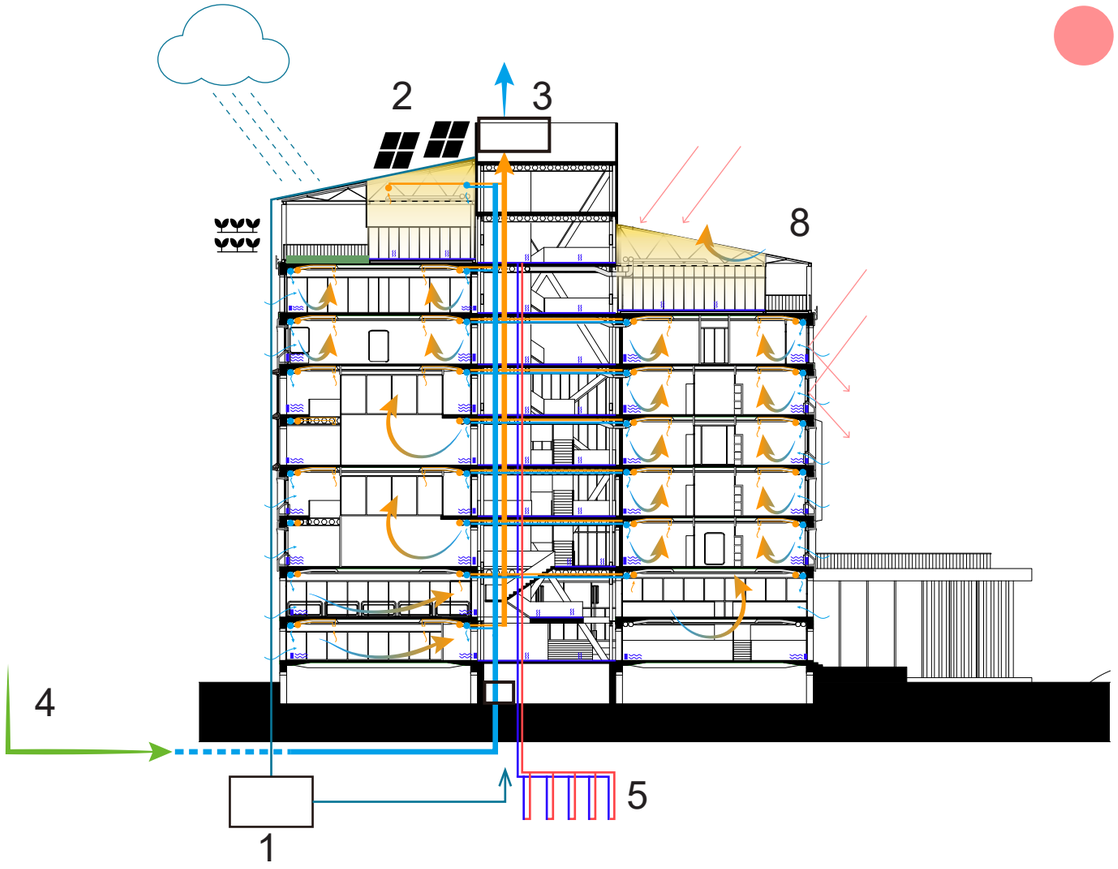
WINTER CLIMATE

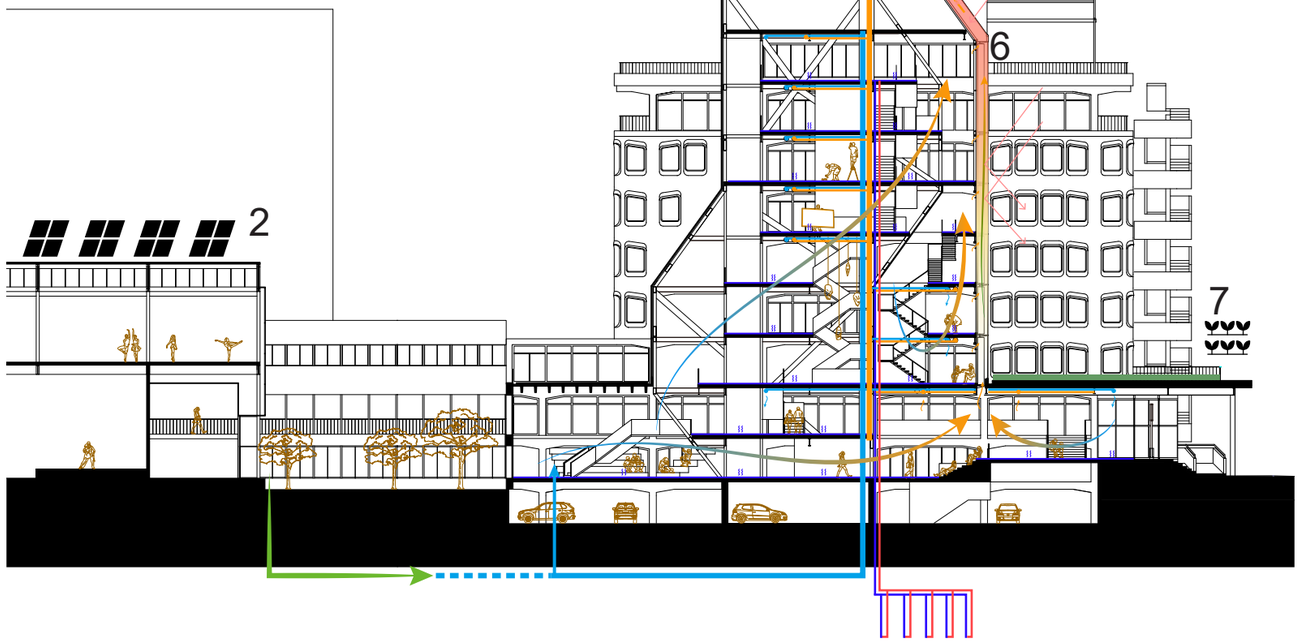




1. Rainwater collection and reuse
2. Solar PV panel and solar energy absorber
3. Heat exchanger for heating recovery
4. Soil pre-heating fresh air
5. Geo-thermal heating system
6. Solar chimney facade
7. Vegetable production
8. Rooftop greenhouse as climate buffer zone
9. Urban heating system and the kiln heat as supplementary heat source

SUMMER CLIMATE





1. Rainwater collection and reuse
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REFLECTION



Traffic "Bridge"		Blocked "Island"	New Commute "Bridge"
Social "Bridge"	----→	Vehicle "Island"	→ Interpersonal connection "Bridge"
Emotional "Bridge"		Visual "Island"	Interactive Commemorative "Bridge"

"RE-BRIDGE"

