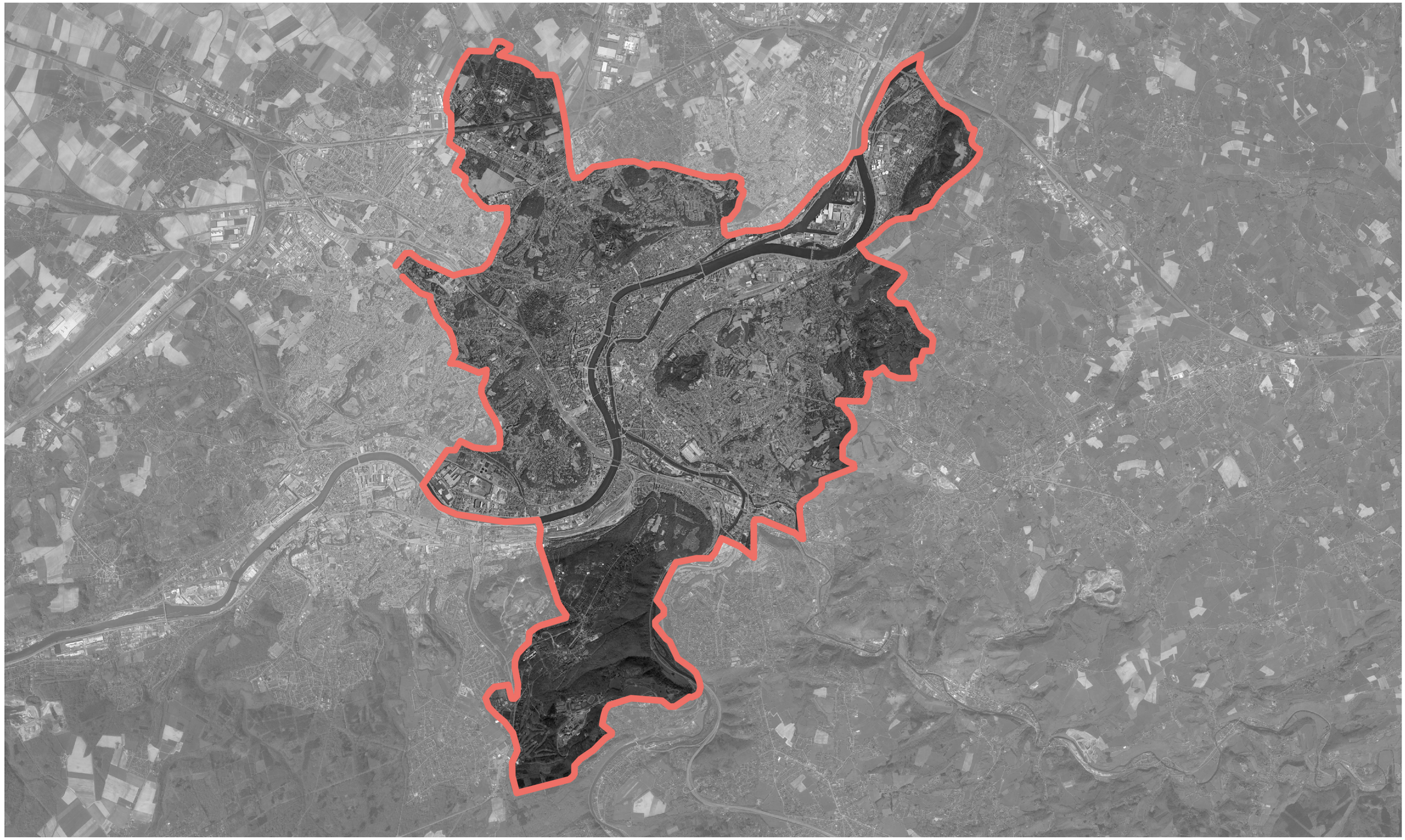


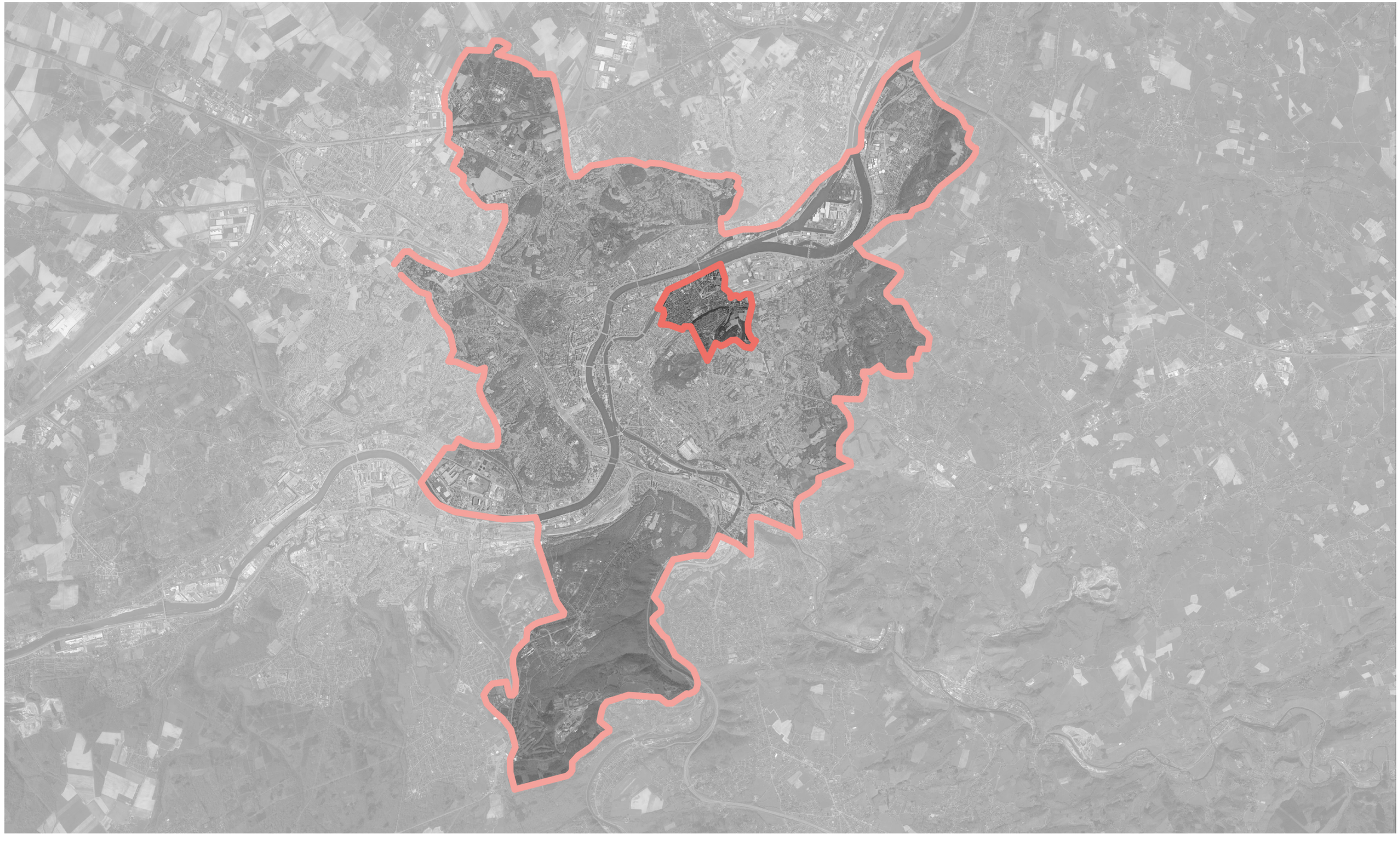
urban rooms

Urban Architecture
P5 Presentation
Wiktoria Paszek

BRESSOUX



LIÈGE



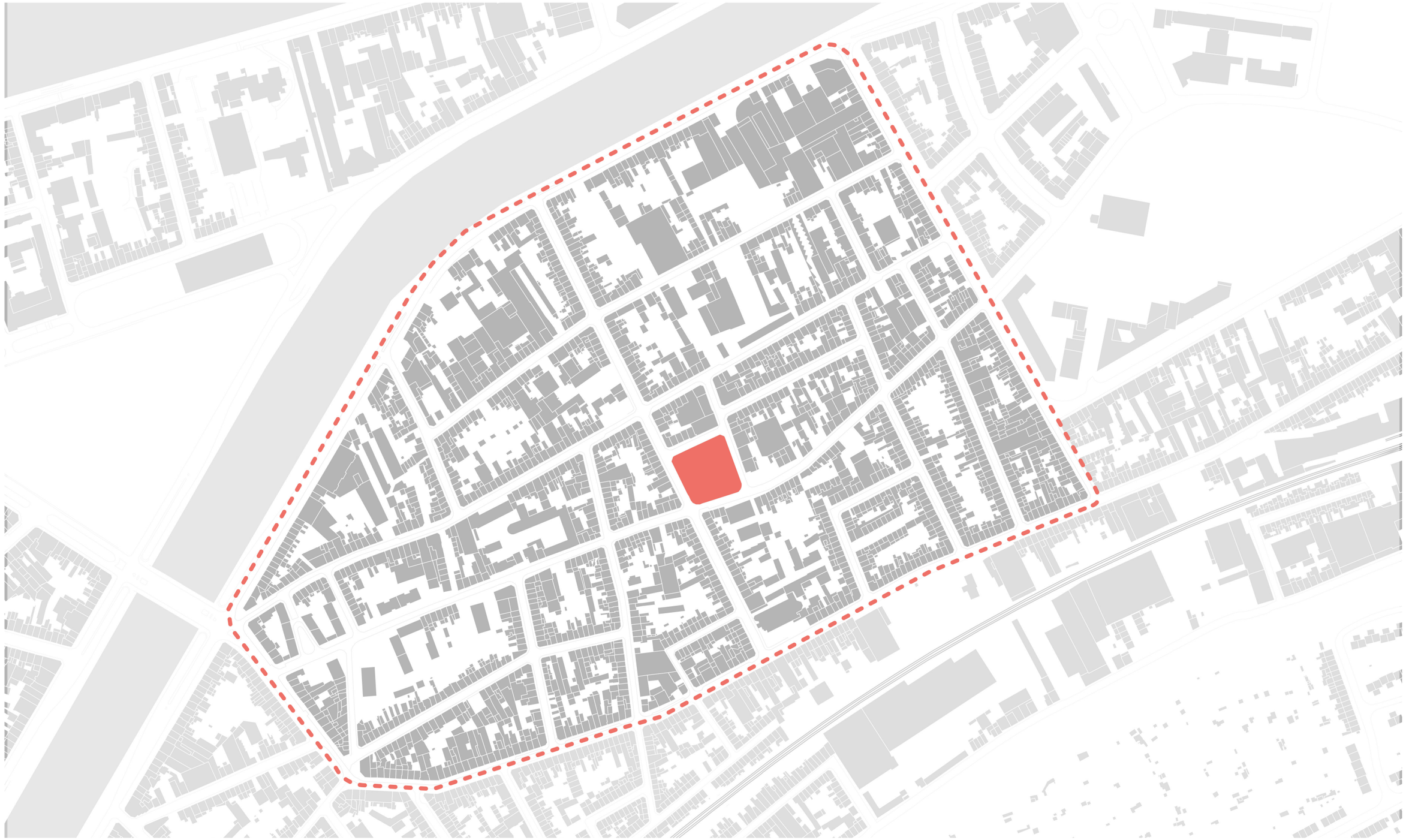
BRESSOUX AND DROIXHE



BRESSOUX



HEART OF BRESSOUX



PUBLIC SPACES



Crossing





Strolling



Hanging



Meeting

“We meet almost everyday on the square.”
- Female resident, ± 65.

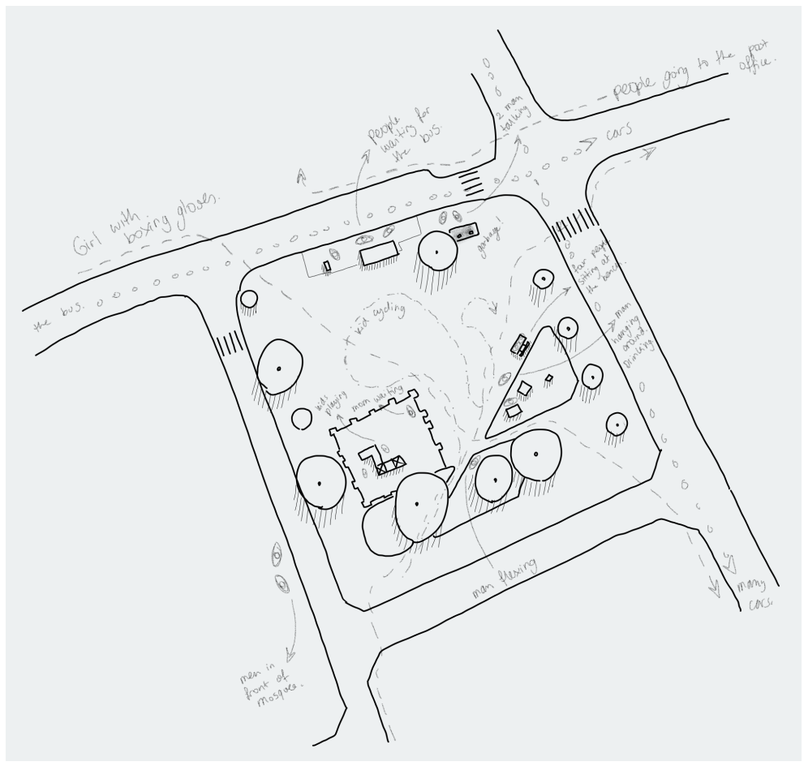
“Young and old meets and uses this square!”

“It’s is always busy here with good weather and it is the only playground for kids in the area.”
- Male resident, ± 65.



Watching







Playing



No events?



Closed shutters



Trash station



Mosque, function



Waiting

SQUARE STUDIES

Context

Physical

Metaphysical

Playground

During industrialization, there was little money spent on planning public space. As it was built as a neighborhood for workers in the mines, the concept of playgrounds or parks weren't prioritized.



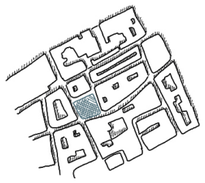
Only playground in the neighbourhood. Multiple kinds of playing tools are around and a lot of free space.



"With good weather, it is always busy, it is the only playground for kids in the area."

Only square

Only public space in the area, between the dense building blocks.

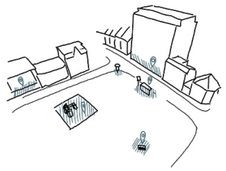


"We meet here almost everyday."



Functions

Since its origin, it functioned as an infrastructural crossingpoint. We suspect that there were more shops and public functions in the plinths. In line with most European squares, it was also probably used for markets.



Functions like the post-office, shops, mosque and bus-stop, make it besides a place to stay also an important routing place.



People cross the square to use the functions around, or walk back home. Especially kids walking home from school.

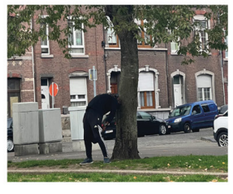
Control public space

The square probably used to have a more lively plinth with shops, and two to three story high buildings, in line with archival images we analysed. The absense of cars and high speed transport made the street more safe, but it may have been poorly maintained due to the lack of money.

People also live around the square, but are separated from the square by cars and the road. Many also close their roller shutter.

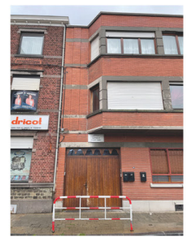


People drinking beer at the square and peeing on trees. Square is also misused by people, because the lack of public control.



Position religion

Catholicism formed the main religion of Wallonia at the end of the 19th century. The churches were representative places of centrality.





Mosque more hidden, less accepted in western society. Less dominant role

Purpose of place



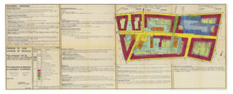




Statue is moved from the middle of the square to the side. To make room for more public functions, as playgrounds.



Morphology



In the 1970's they reorganised buildingblocks by inserting a new typology of flats. These were meant to provide better quality housing.







Public space is closed of by fences, because of unsafe feelings by residents.

Elements
Intensity of use

Interactions
Intensity of use

Functions

Identity
Appropriation

Function
Social cohesion

Culture
Historical
Program

Borders
Program

CONCLUSIONS

PROBLEMATICS

PERIMETER BLOCK





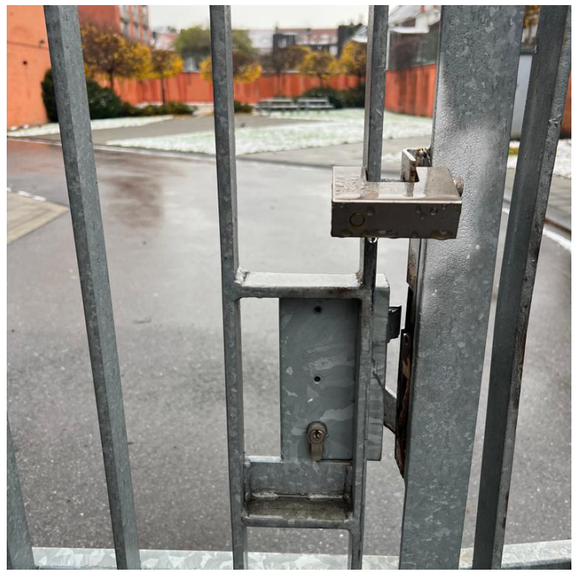
SAFETY





LACK OF ACCESSIBILITY





EXCLUSIVE COMMUNITIES





CARS DOMINATING THE STREETS





LACK OF GREENERY



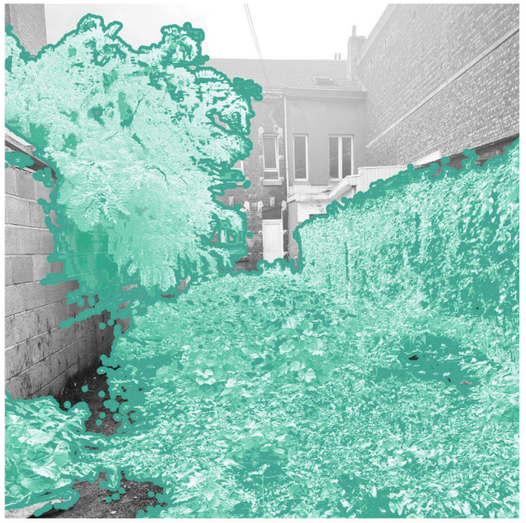
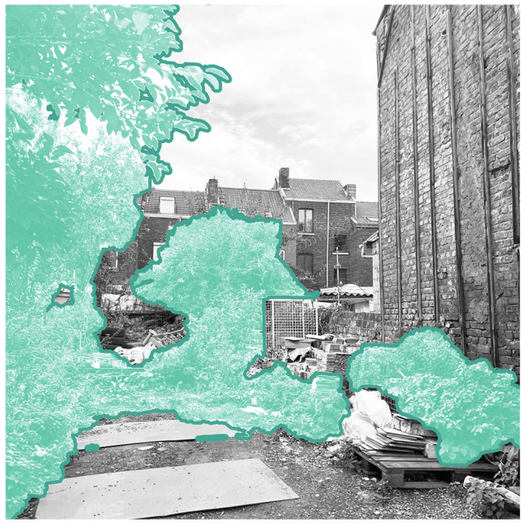


Is there no nature in Bressoux?



NATURE IN BRESSOUX




NATURE IN BRESSOUX - URBAN BLOCKS

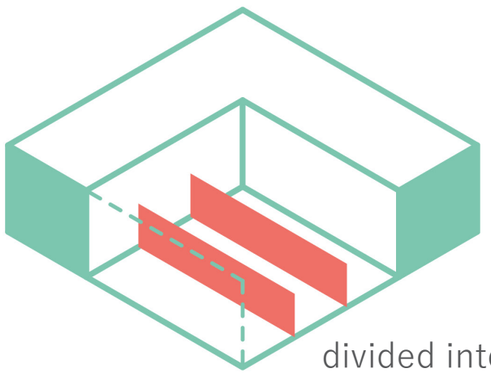
ROOMS OF POTENTIAL



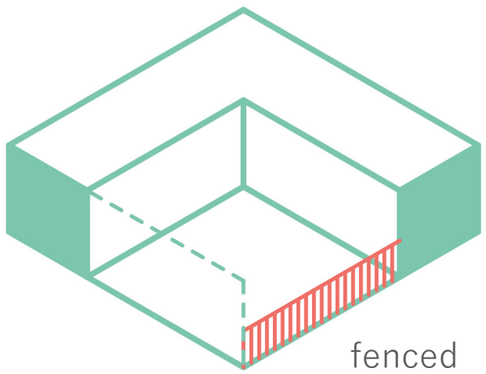
VOIDS



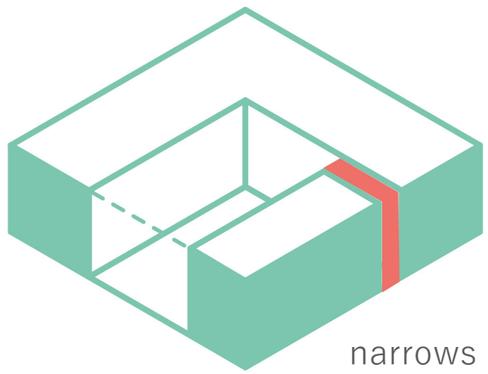
VOIDS IN URBAN BLOCKS



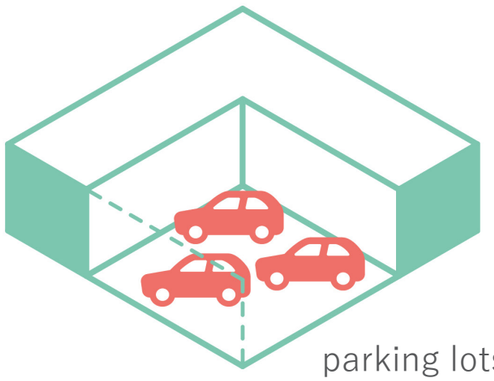
divided into gardens



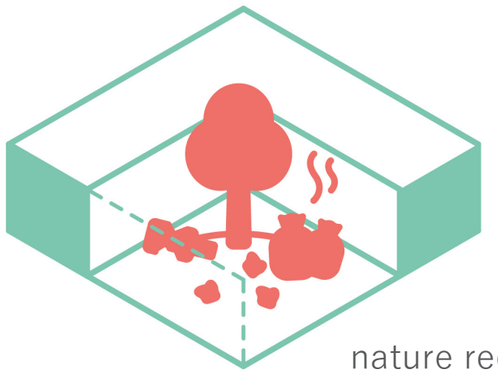
fenced



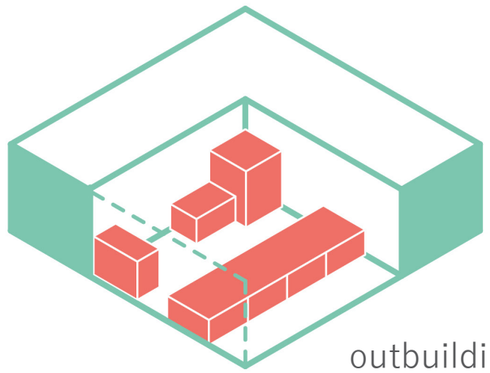
narrows alleys
as the entrance



parking lots



nature reclaming
the wasteland



outbuildings
and garages

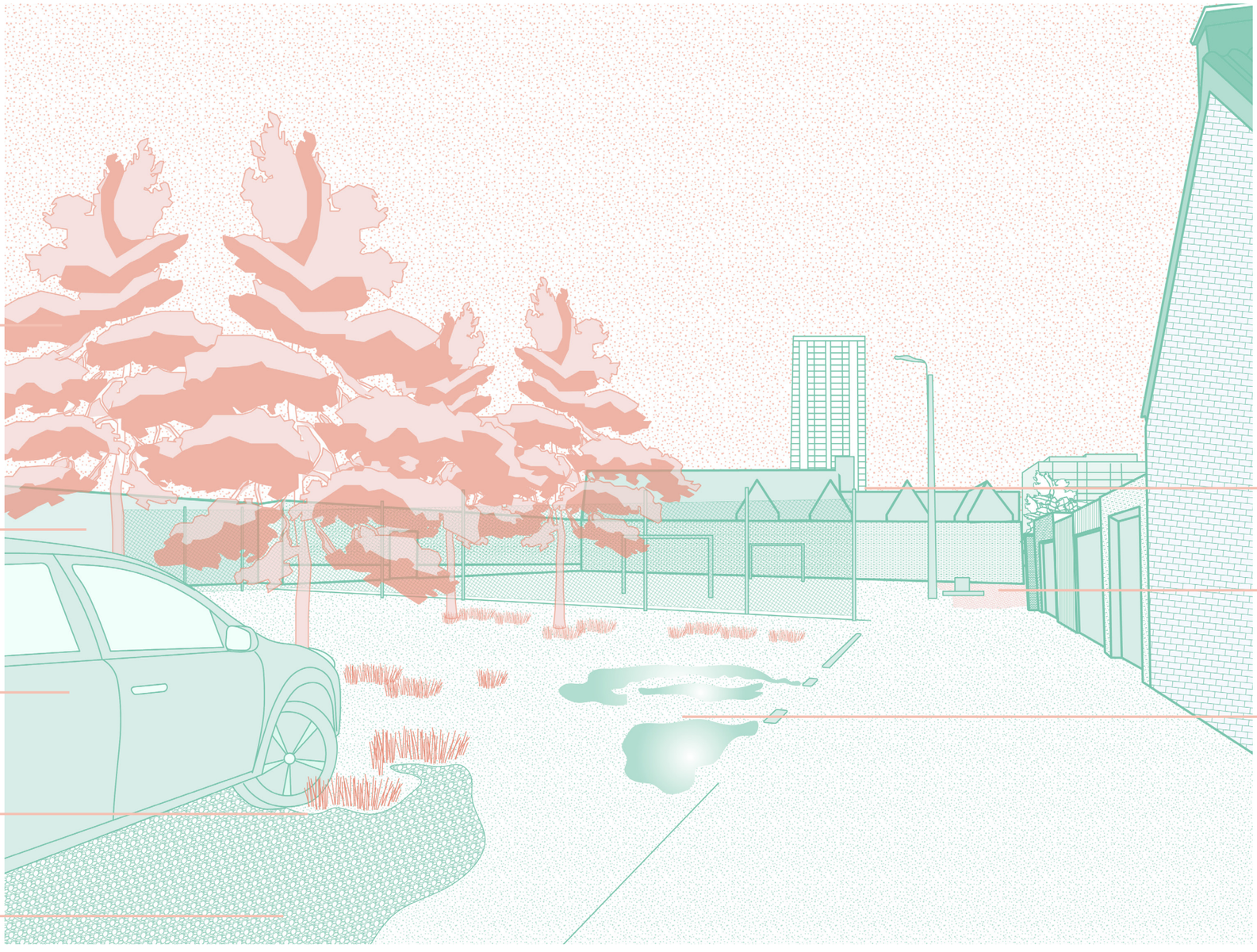
VOIDS IN URBAN BLOCKS







VOIDS IN URBAN BLOCKS



VOIDS IN URBAN BLOCKS

What could the voids become?

enclosure

social interaction

inward orientation

natural elements

courtyard

scale and proportion

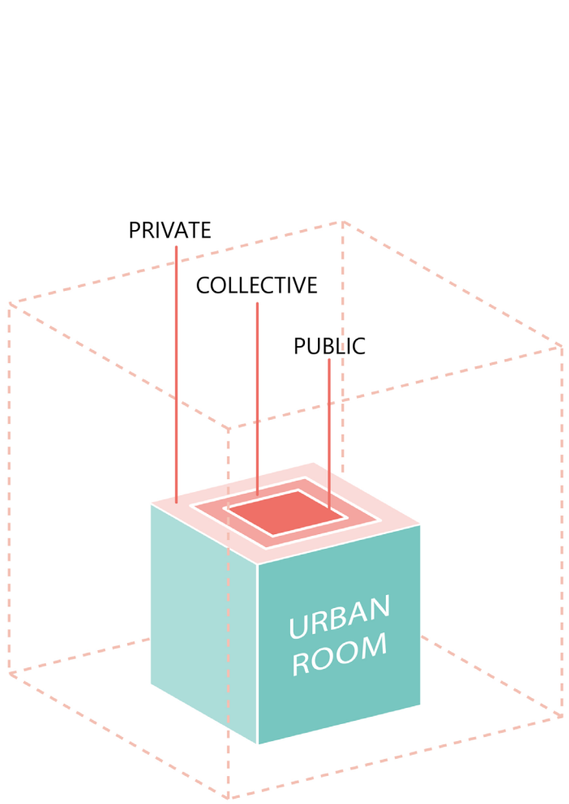
functional diversity

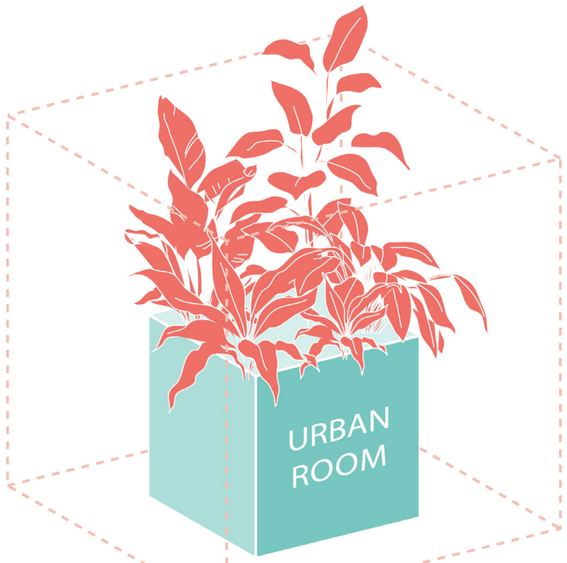
access and entry points

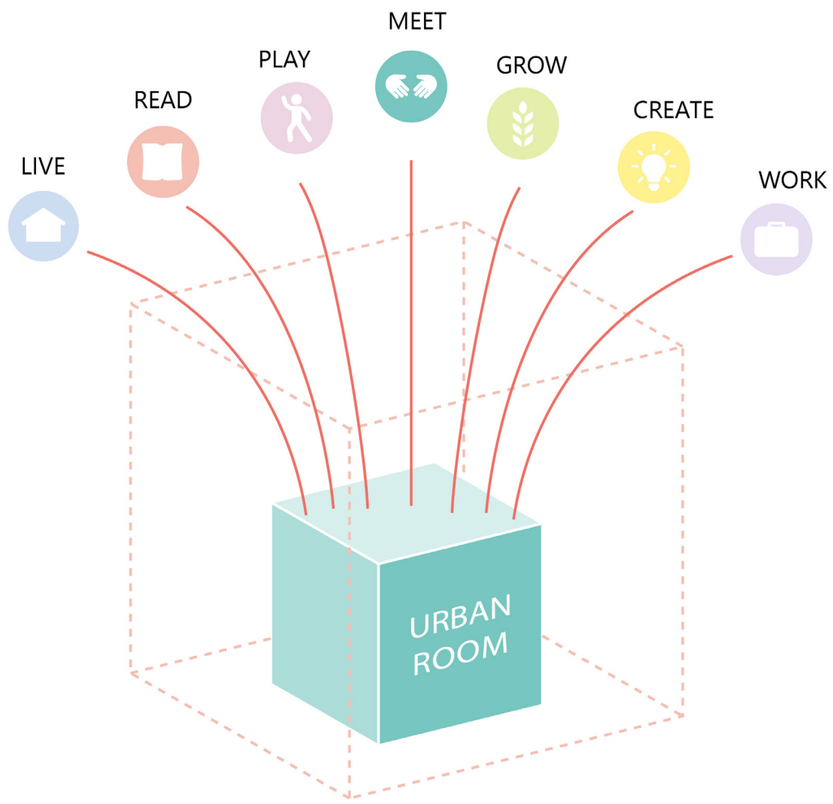
visual appeal

COURTYARD QUALITIES

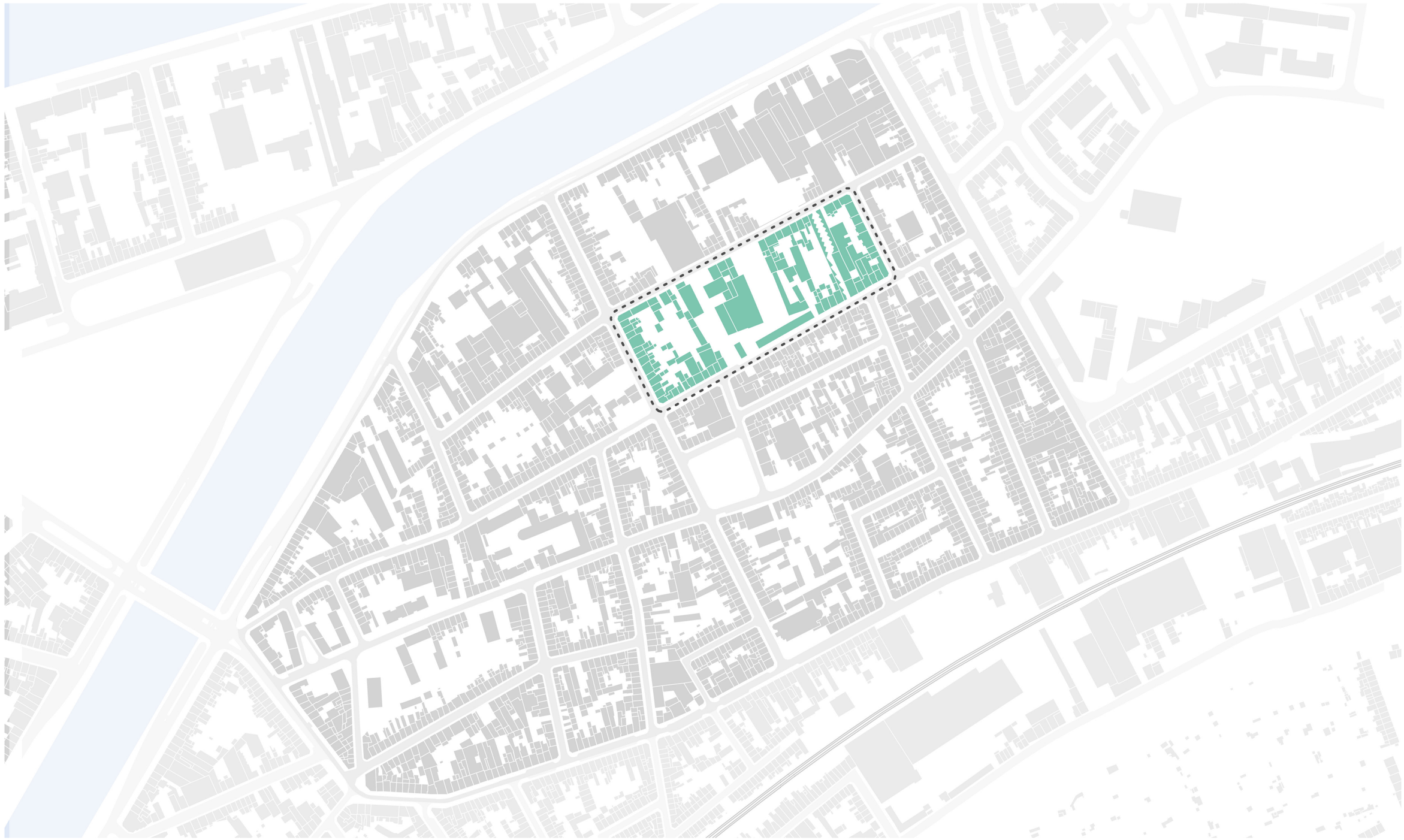
How can the courtyards be a compromise between public space and a need for privacy in Bressoux?


PRIVATE
COLLECTIVE
PUBLIC
URBAN
ROOM

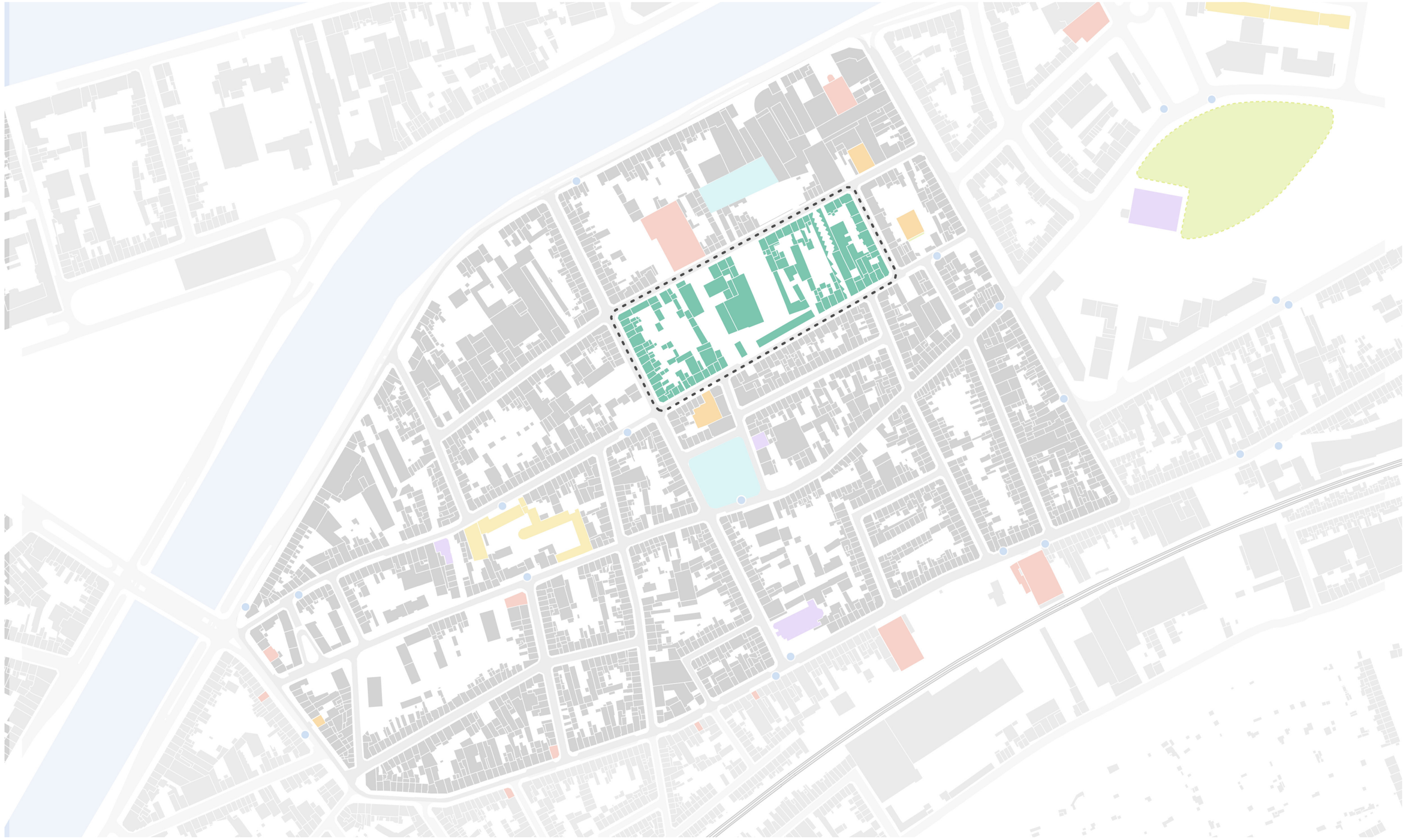

URBAN
ROOM


LIVE
READ
PLAY
MEET
GROW
CREATE
WORK
URBAN
ROOM

URBAN BLOCK SCALE

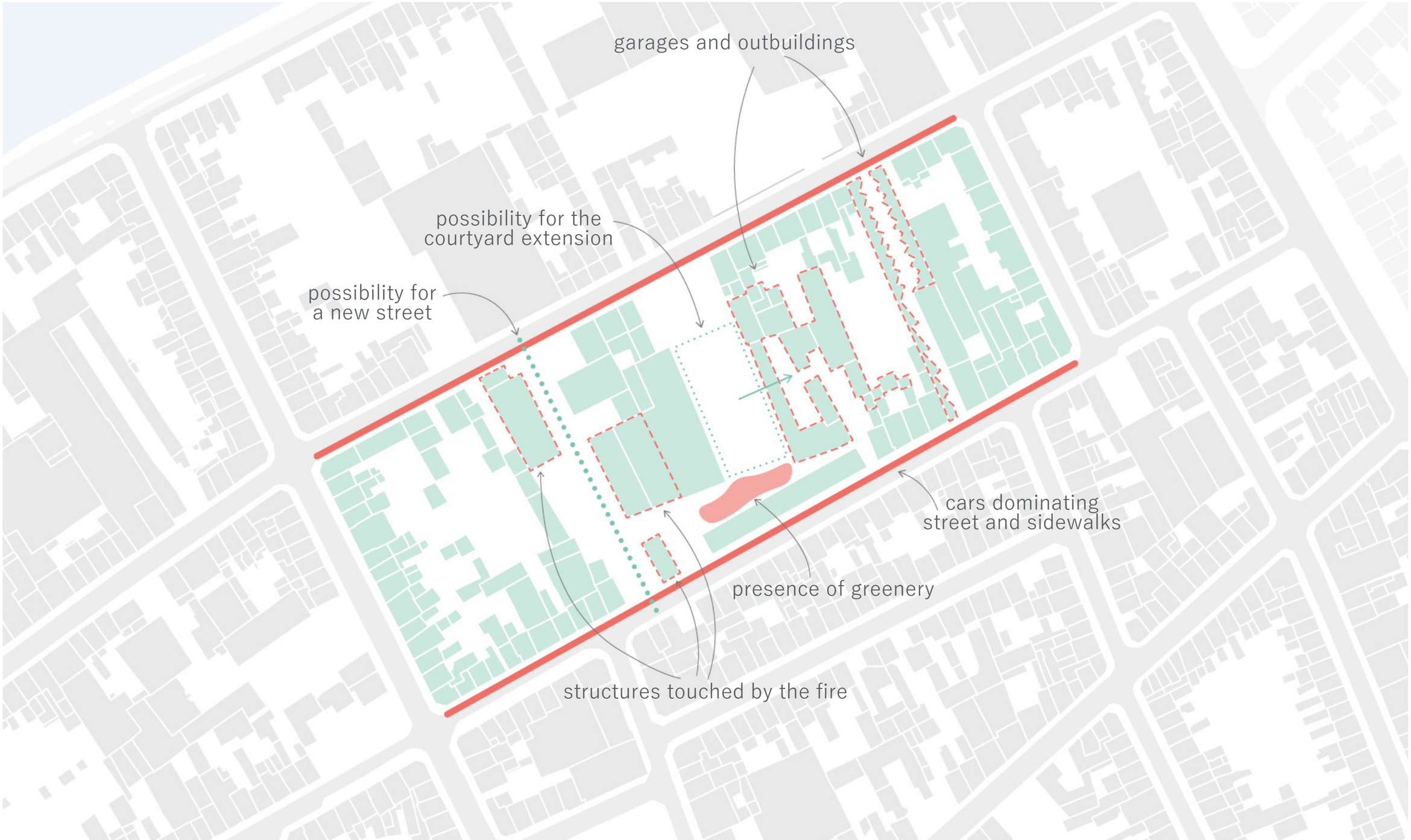


CONTEXT MAP



FUNCTIONS

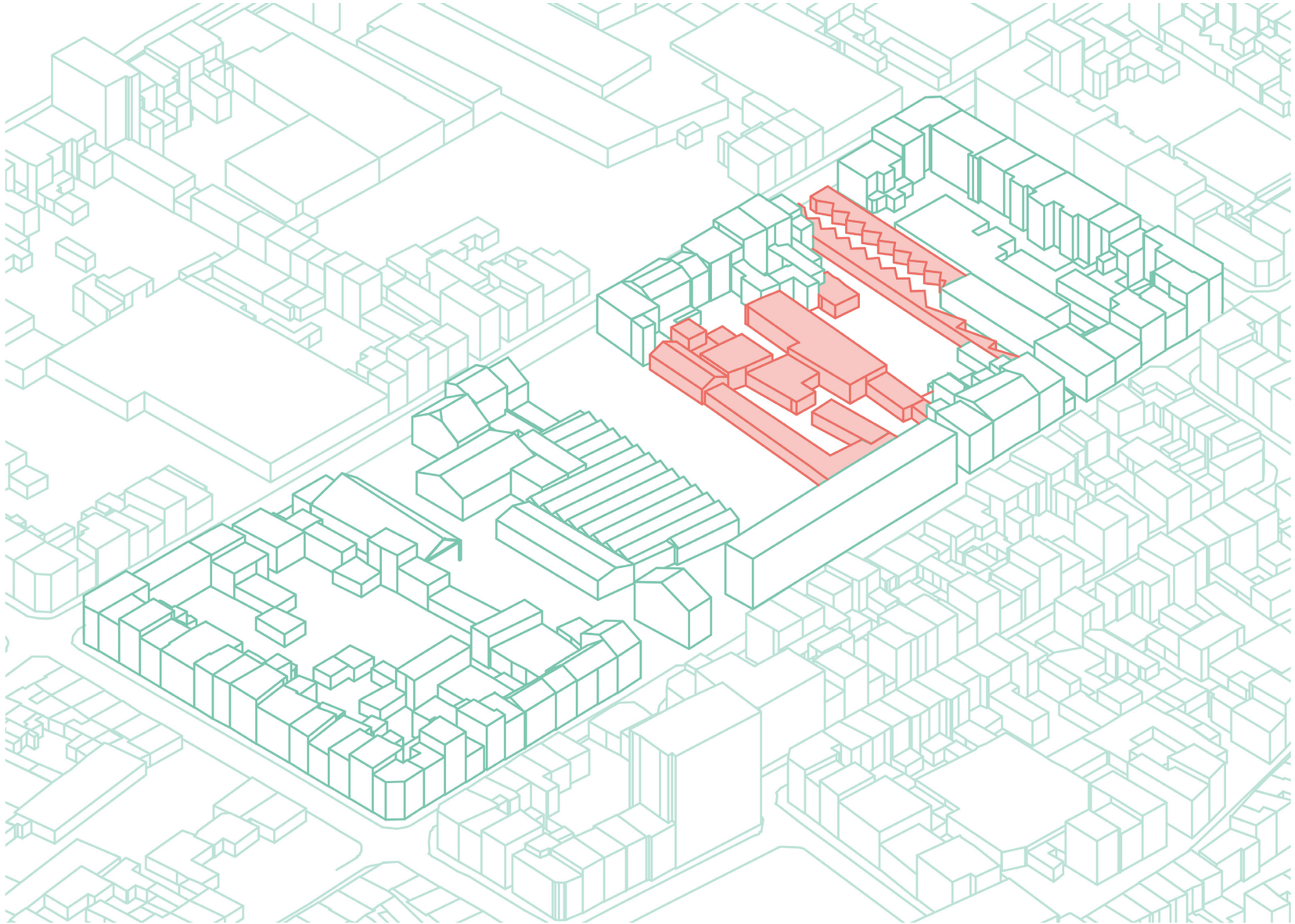
Bus stops
School
Religion
Grocery stores
Community centres
Public spaces



SITE EVALUATION





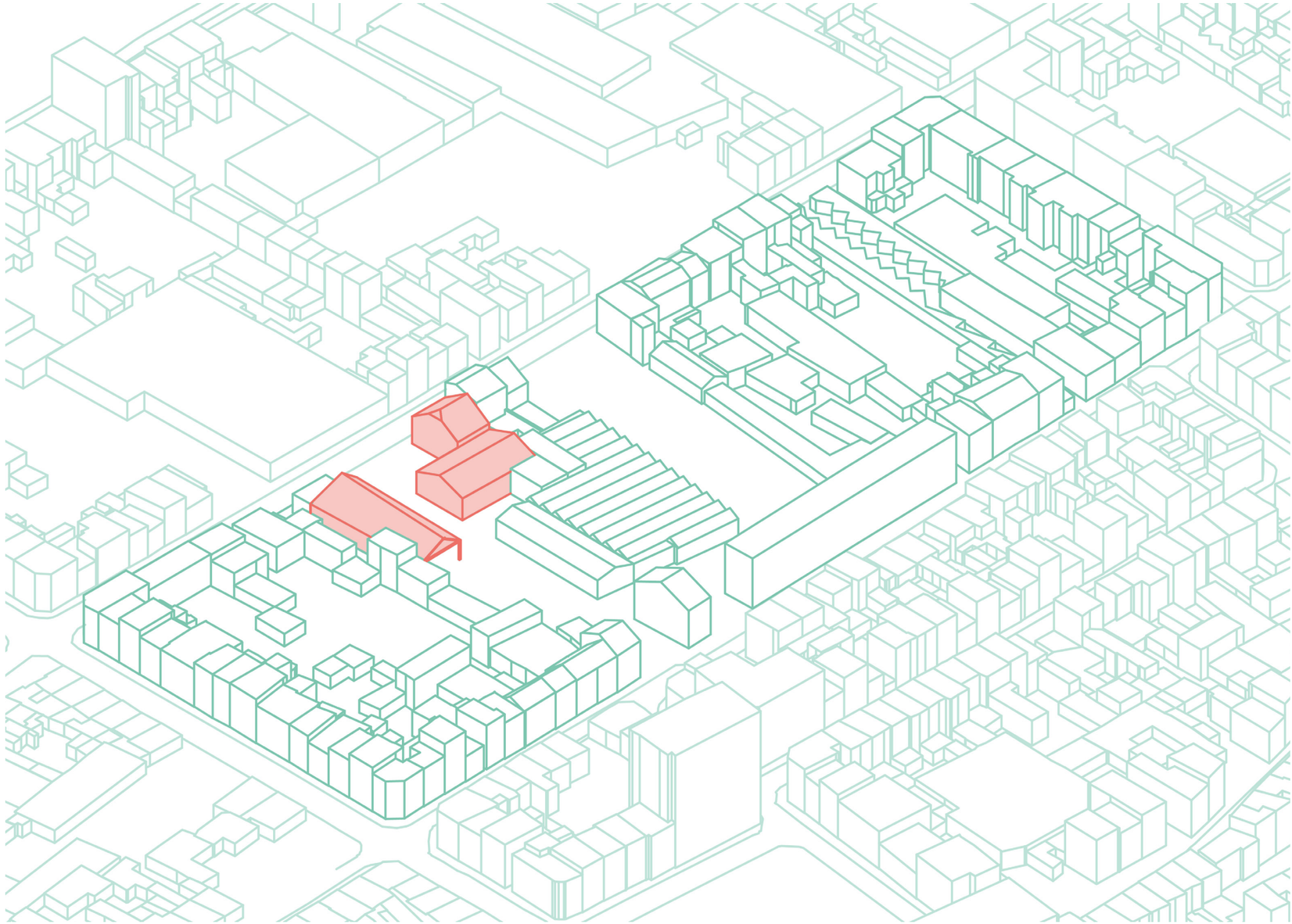


SITE BUILDINGS





photos: Thijs Reitsma

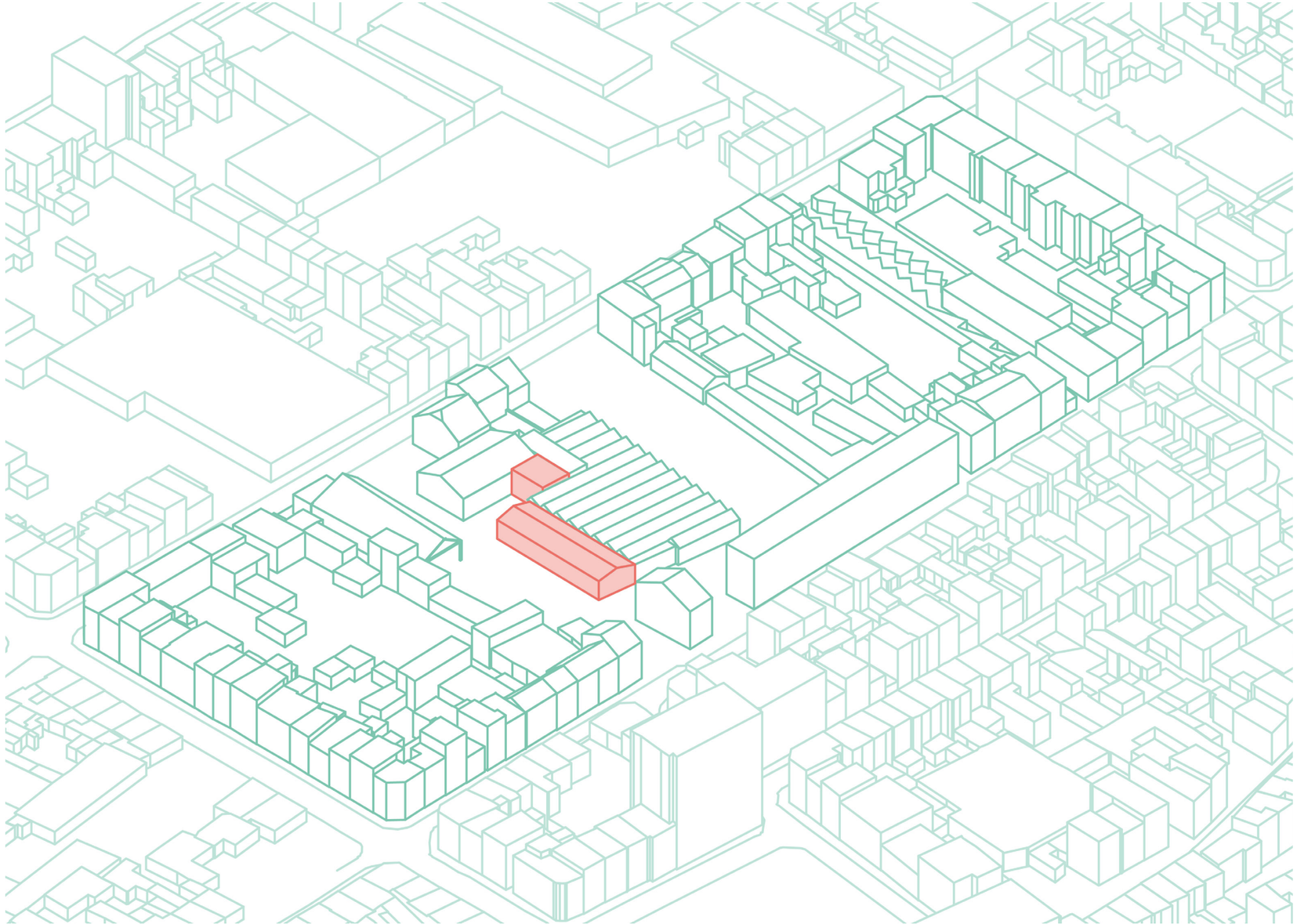


SITE BUILDINGS





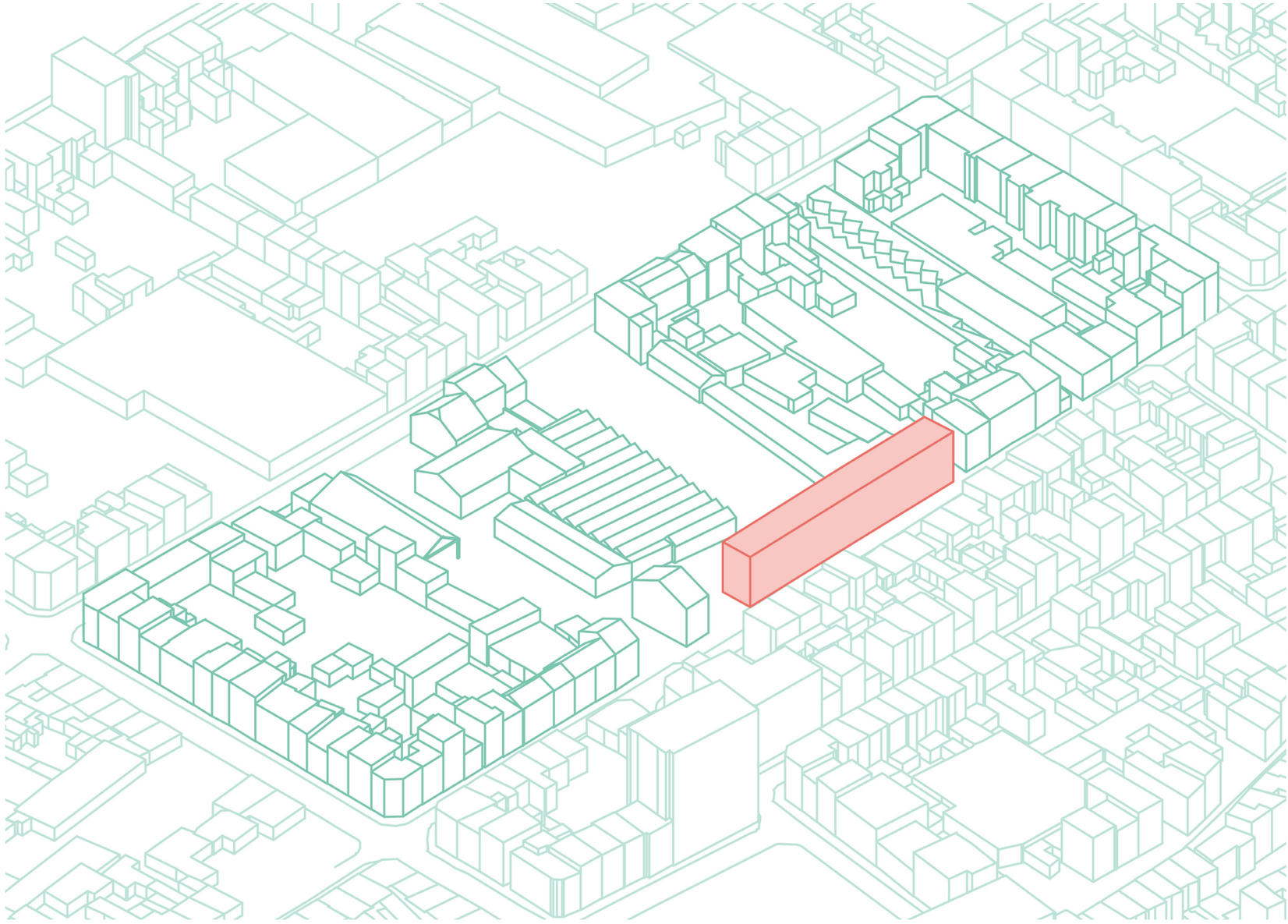
photos: Wiktoria Paszek, Thijs Reitsma



SITE BUILDINGS





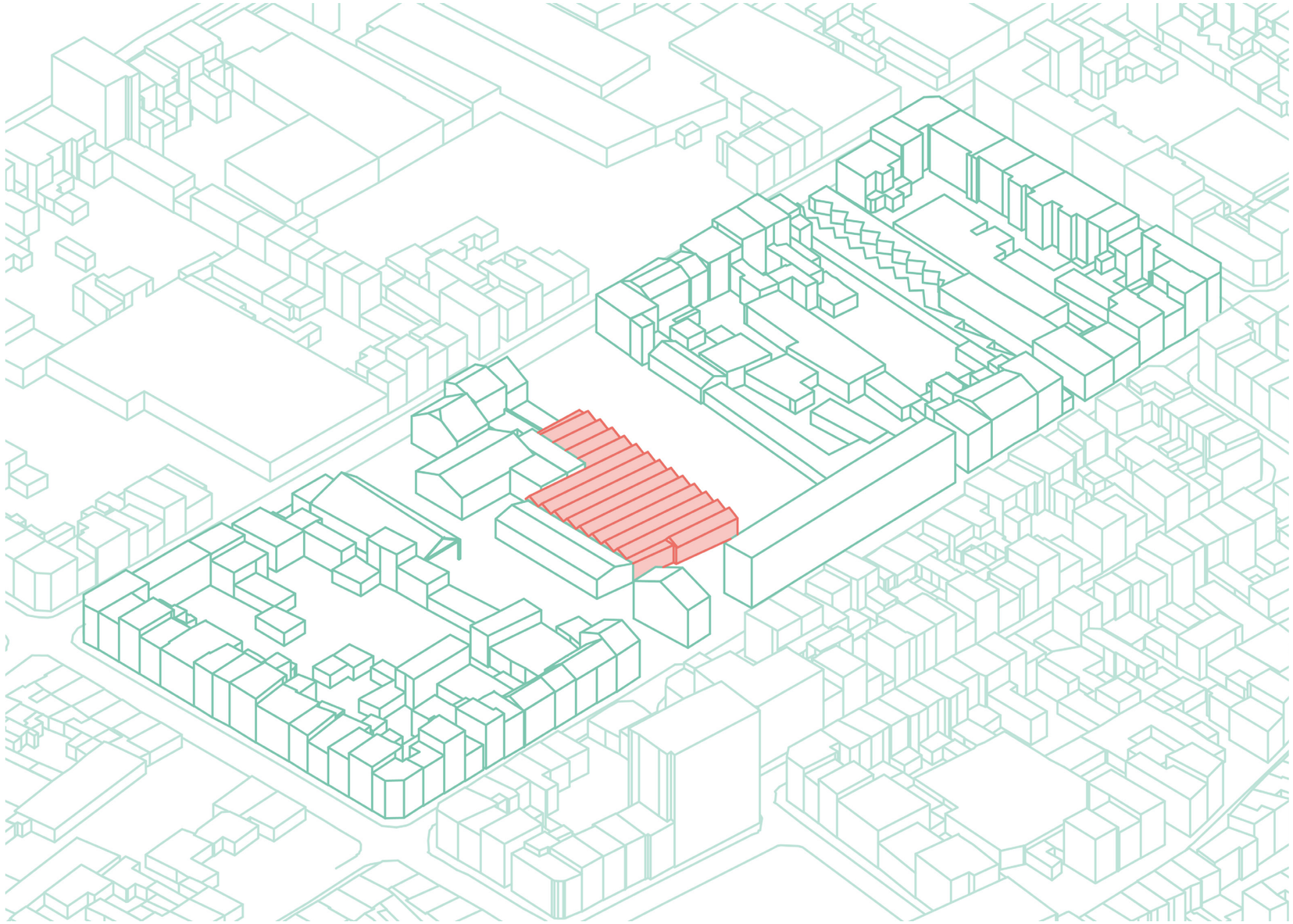


SITE BUILDINGS





photos: Wiktoria Paszek, Thijs Reitsma



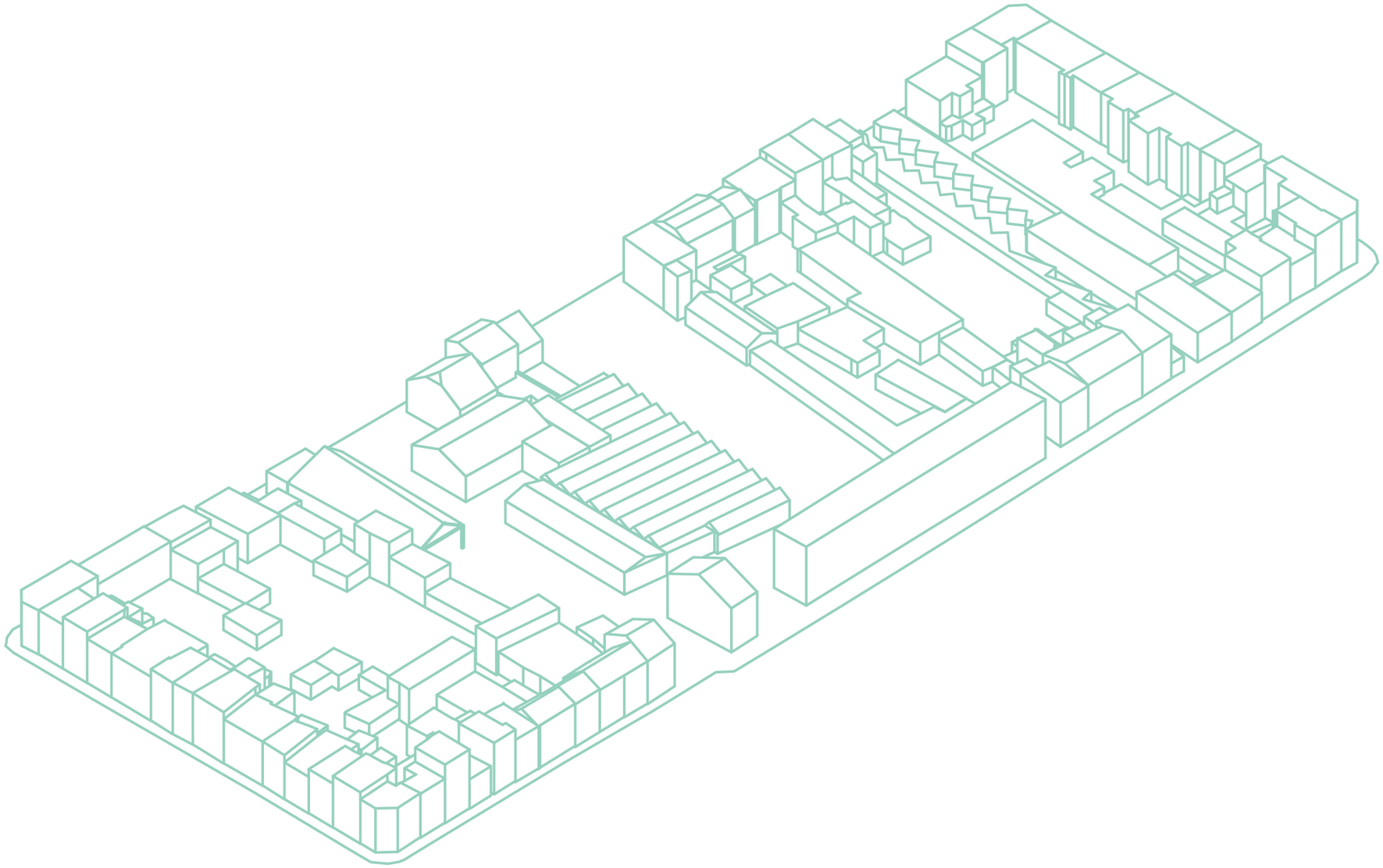
SITE BUILDINGS



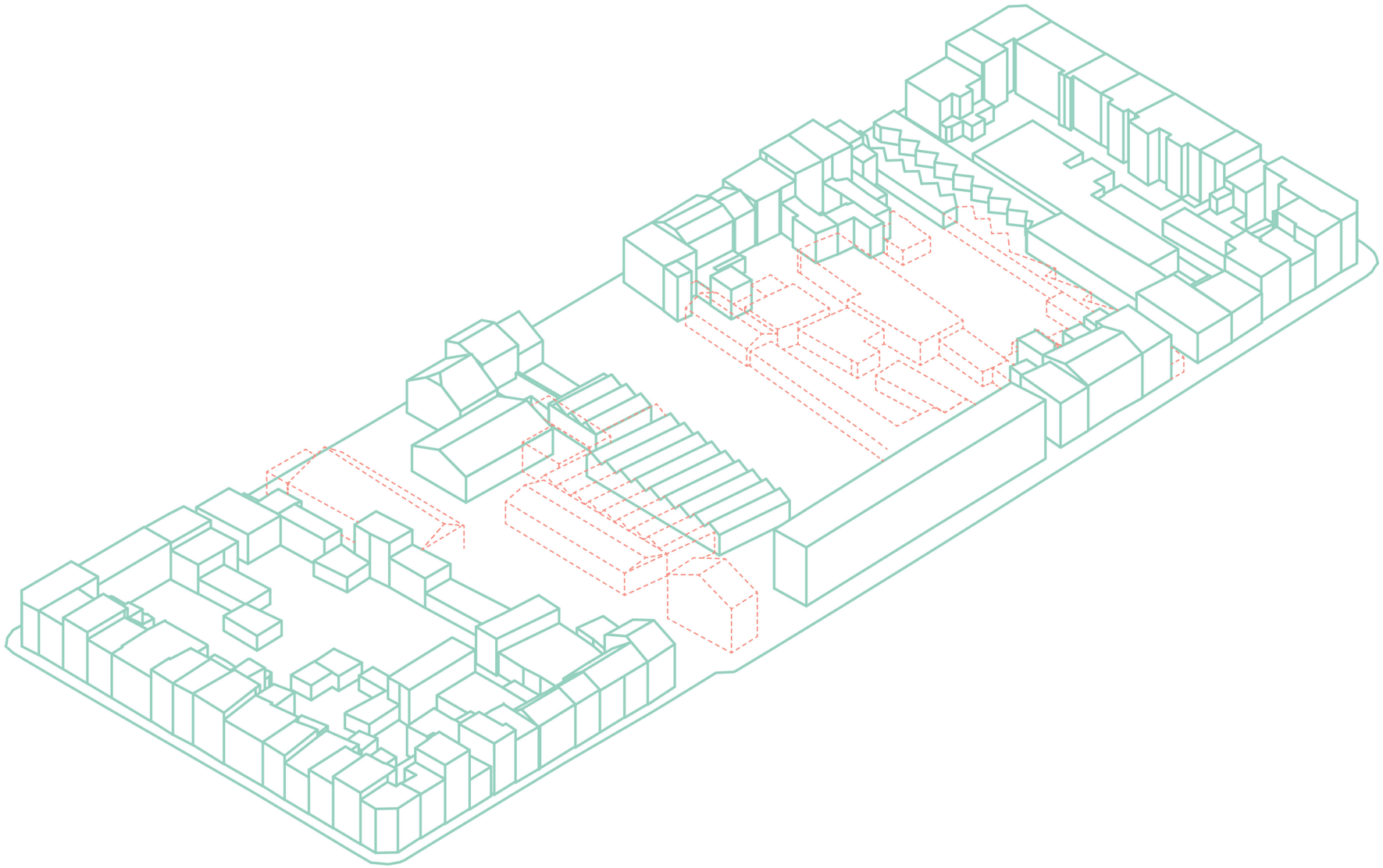




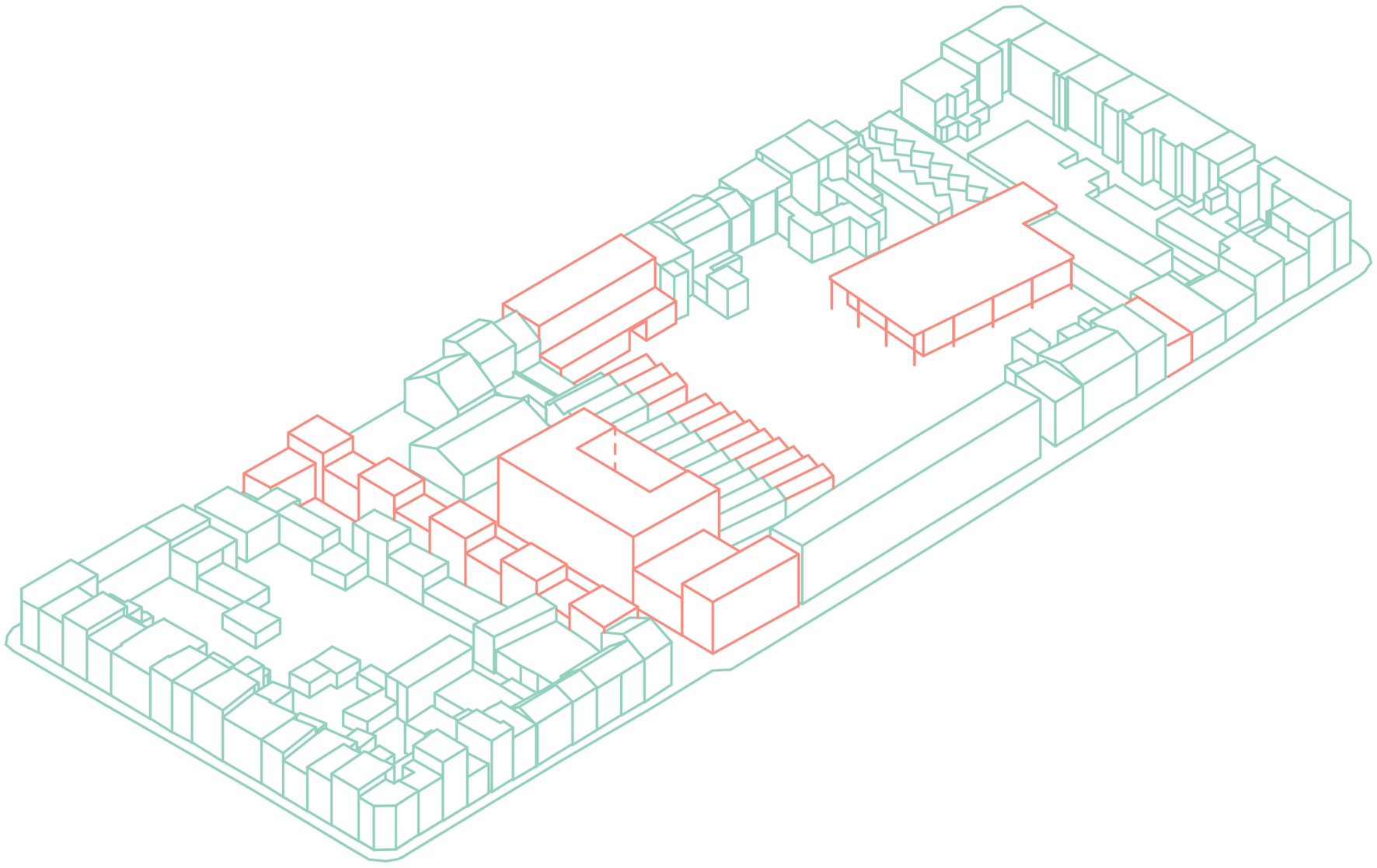

SITE BUILDING



URBAN BLOCK - EXISTING



URBAN BLOCK - DEMOLISHED

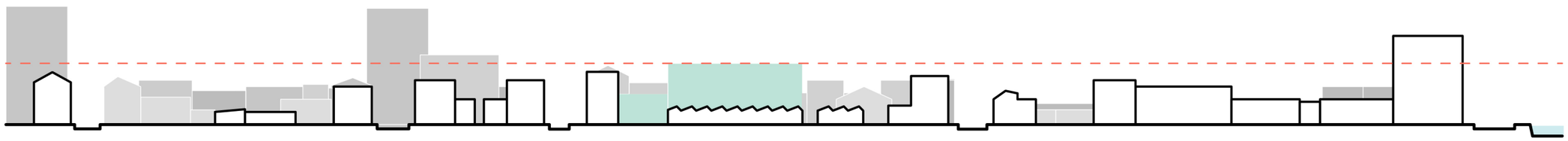


URBAN BLOCK - ADDED



MASTERPLAN





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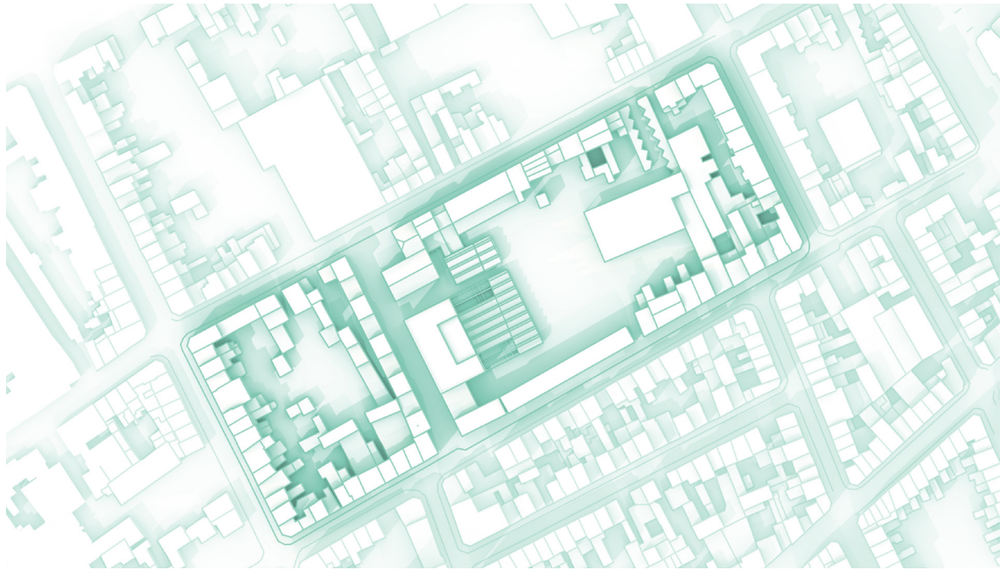
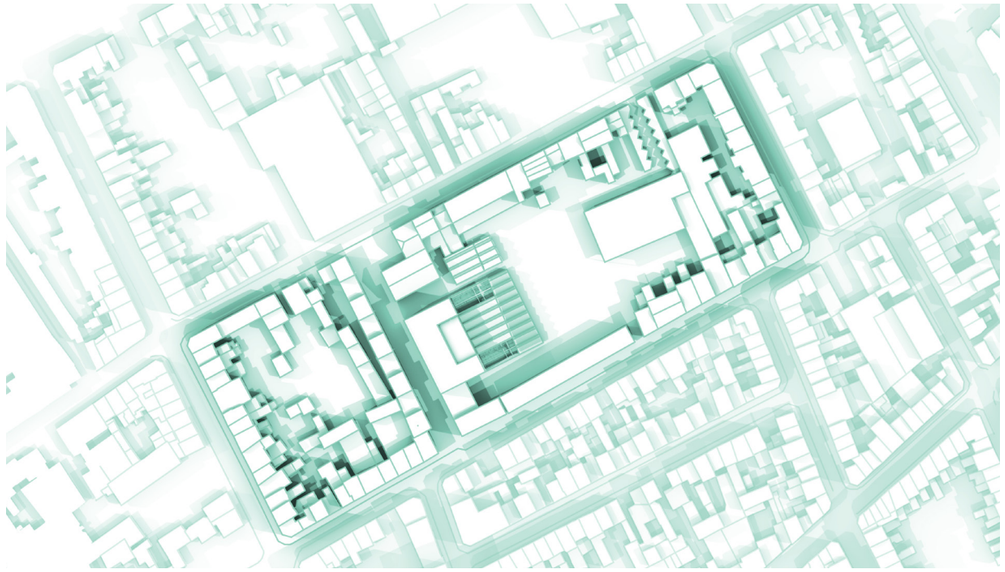


march - 9 / 12 / 15 / 18



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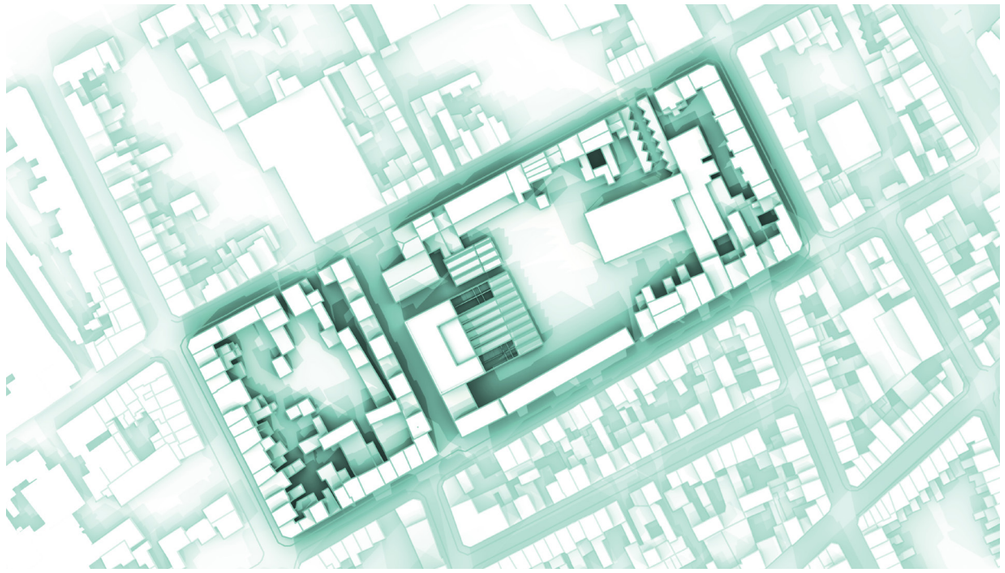

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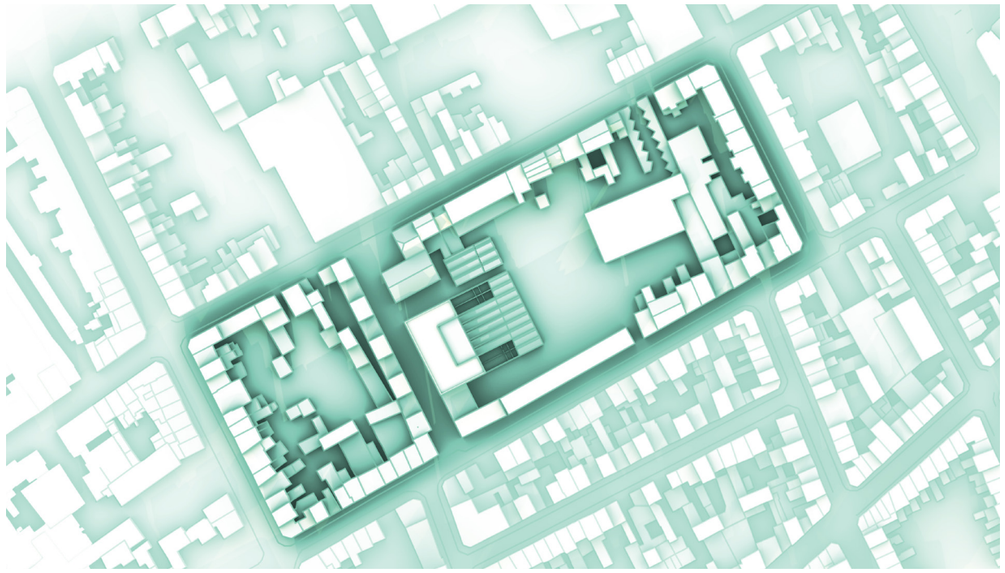
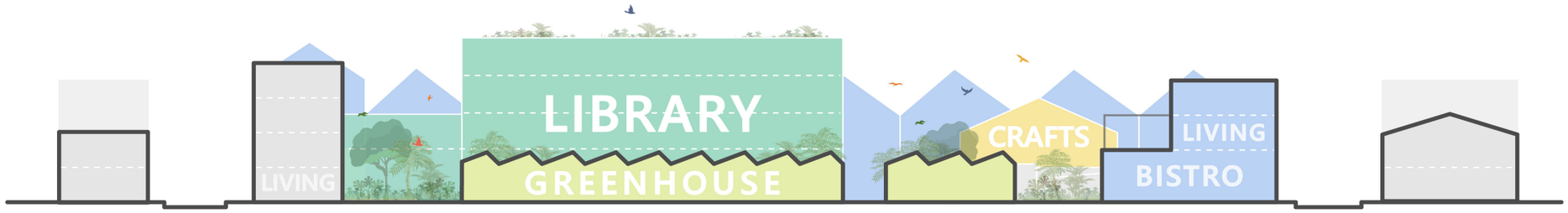
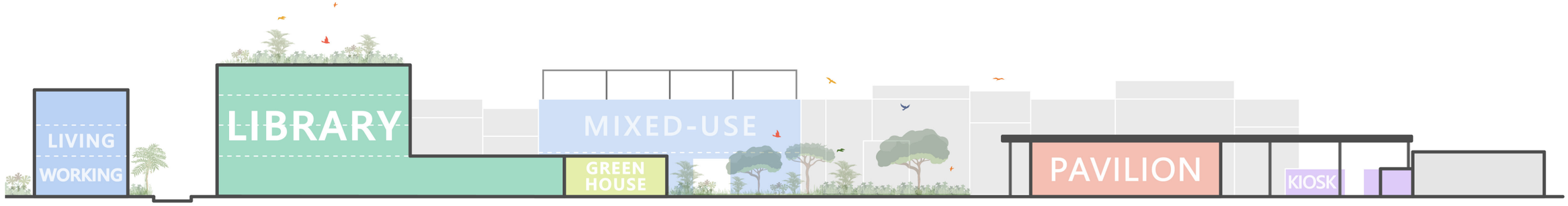


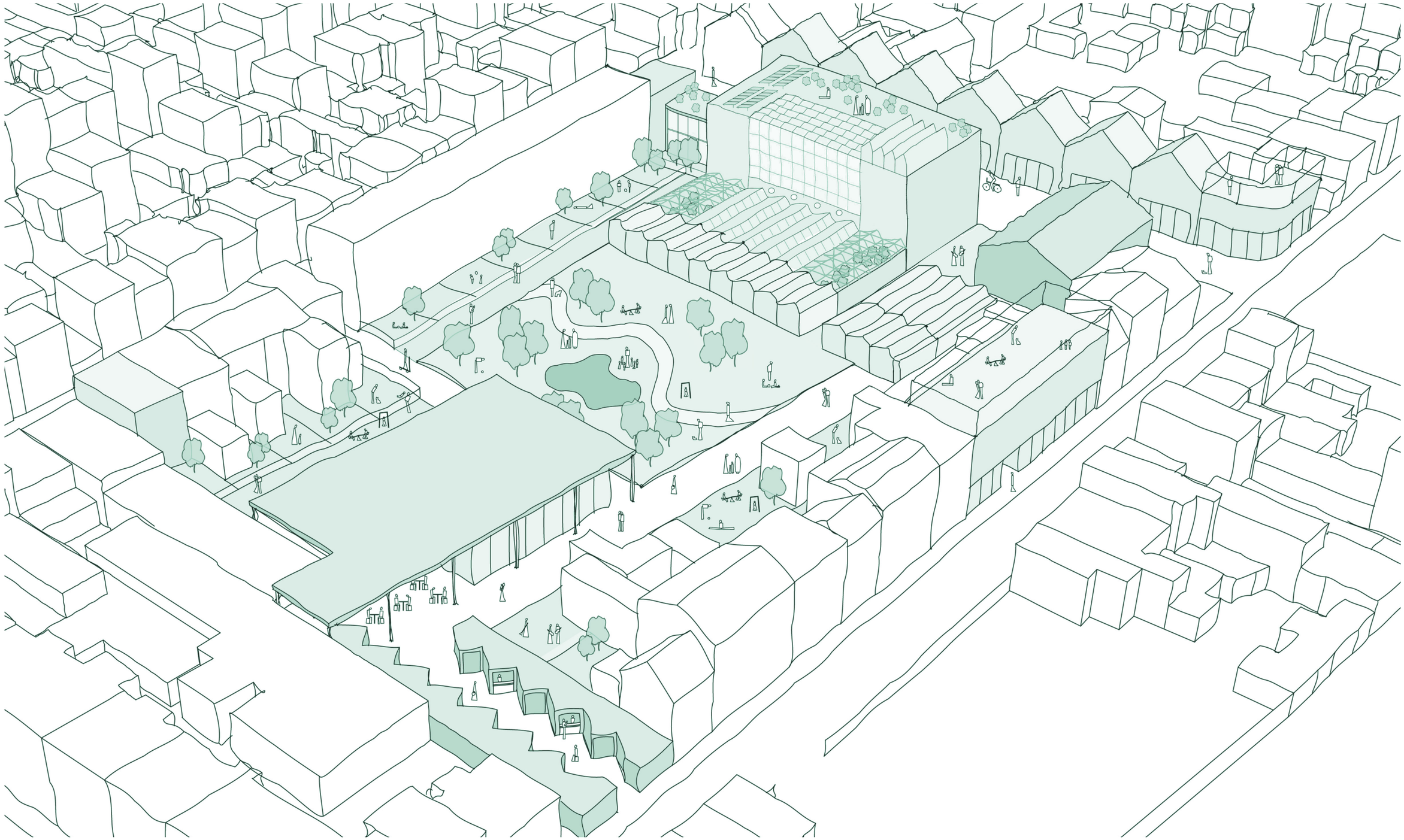
december - 9 / 12 / 15 / 18

SUN STUDIES

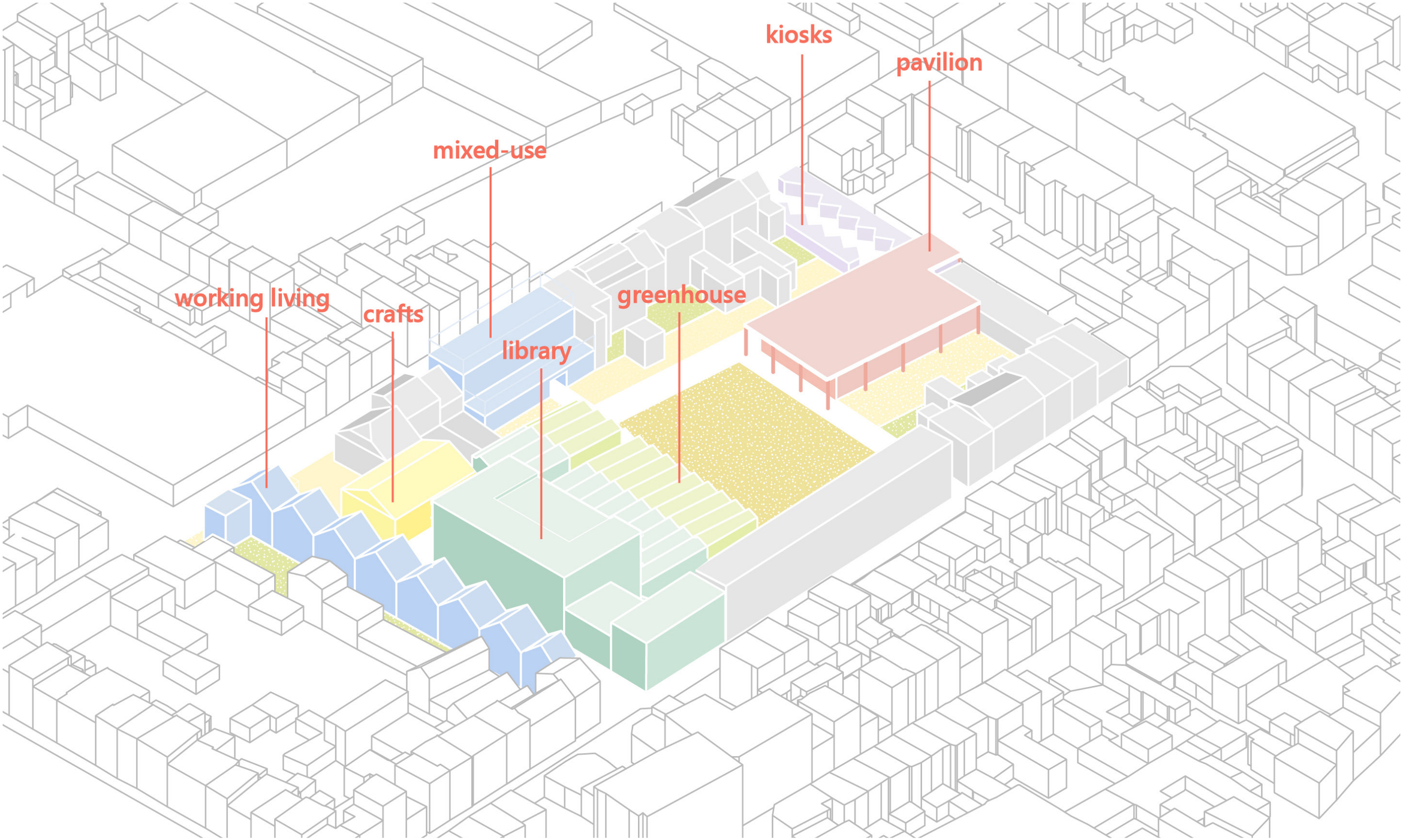




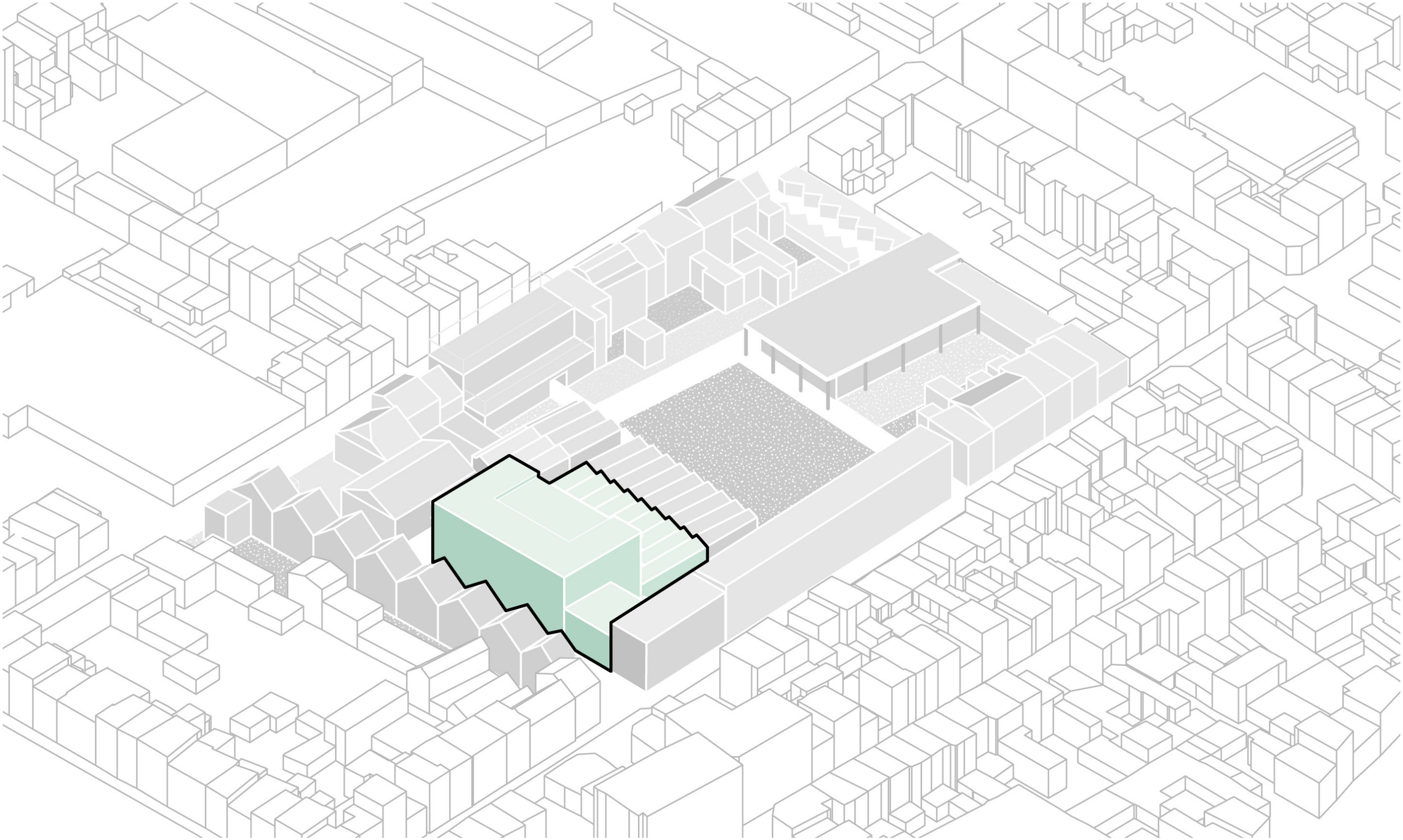
URBAN BLOCK - SECTIONS



URBAN BLOCK - VISUAL IMPRESSION



URBAN BLOCK - PROGRAMME



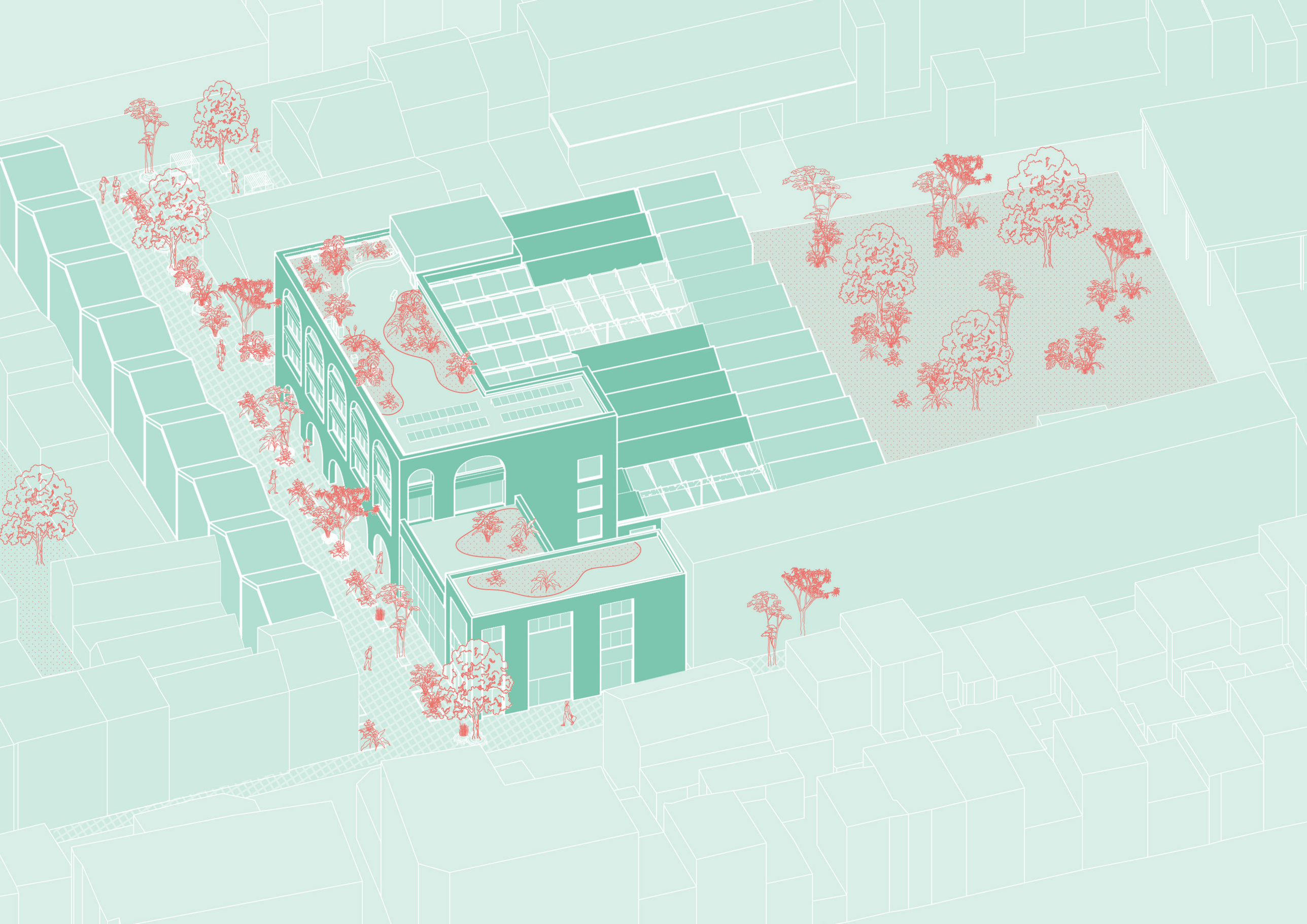
URBAN BLOCK - LIBRARY

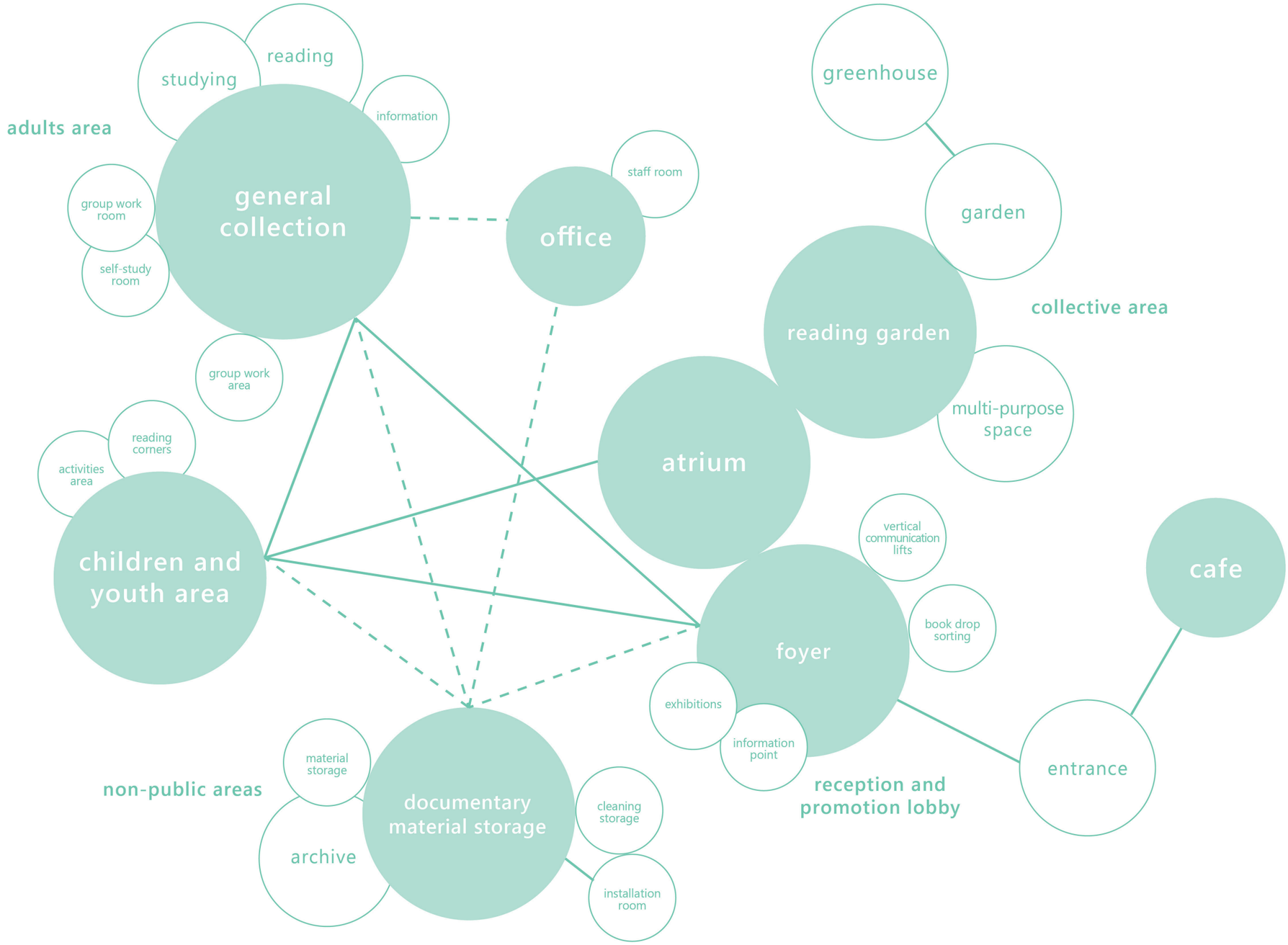
LIBRARY



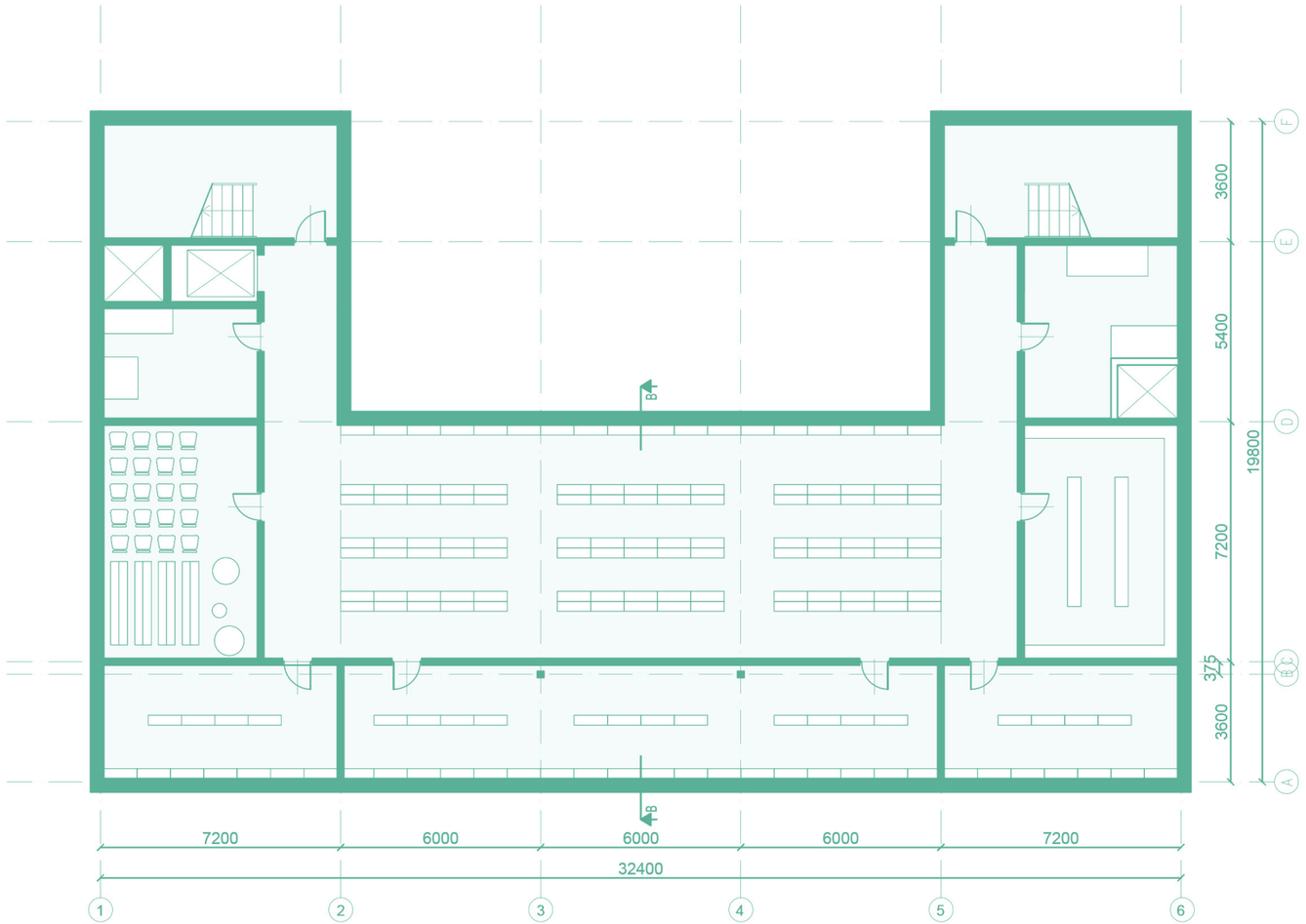
5 CIRCULAR PRINCIPLES


access to knowledge
and information
equal access
and inclusion
community hub
library of
Bressoux
safe and welcoming
environment
support for children
and families
preserving local history
educational support
digital inclusion





PROGRAMMING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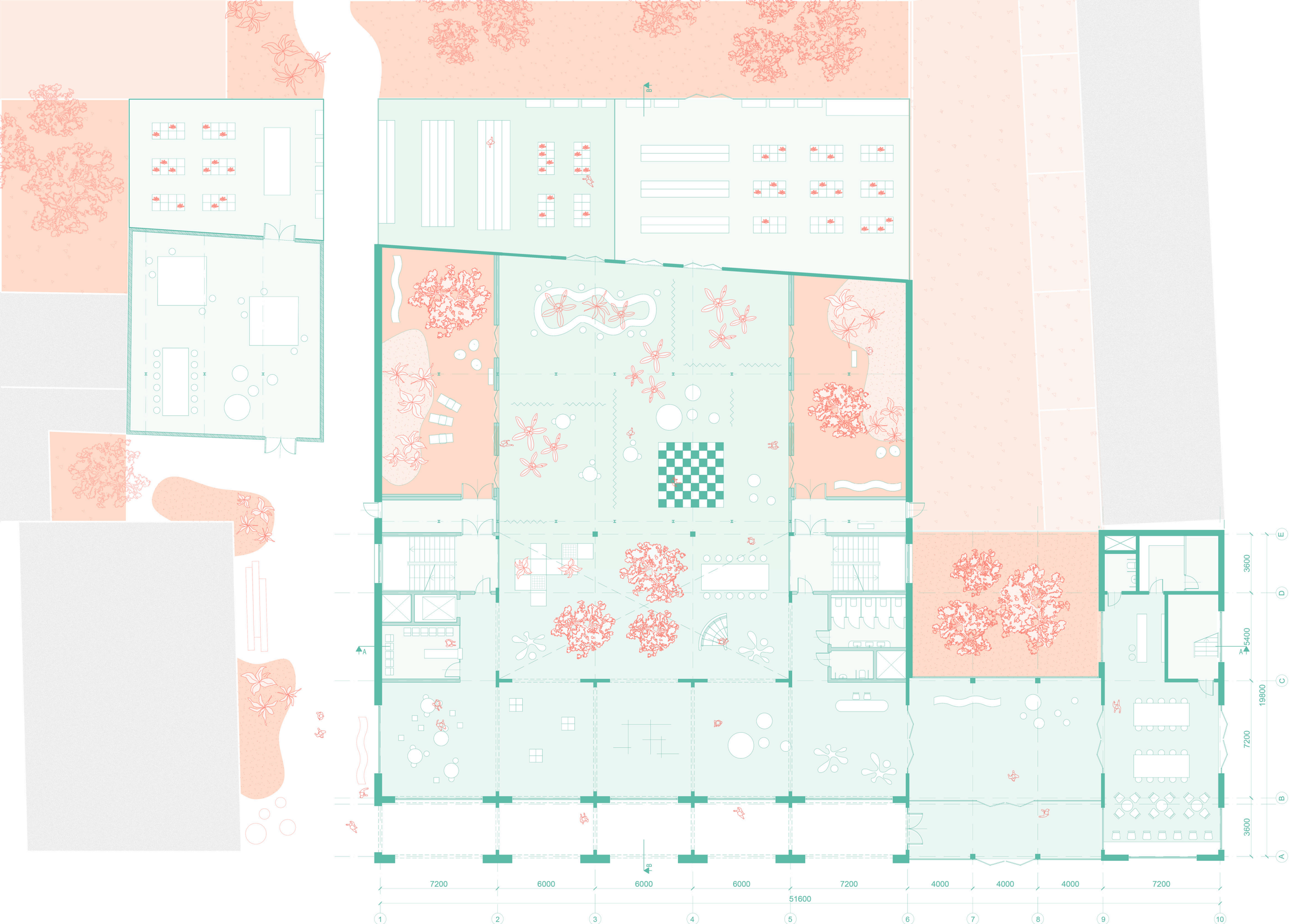
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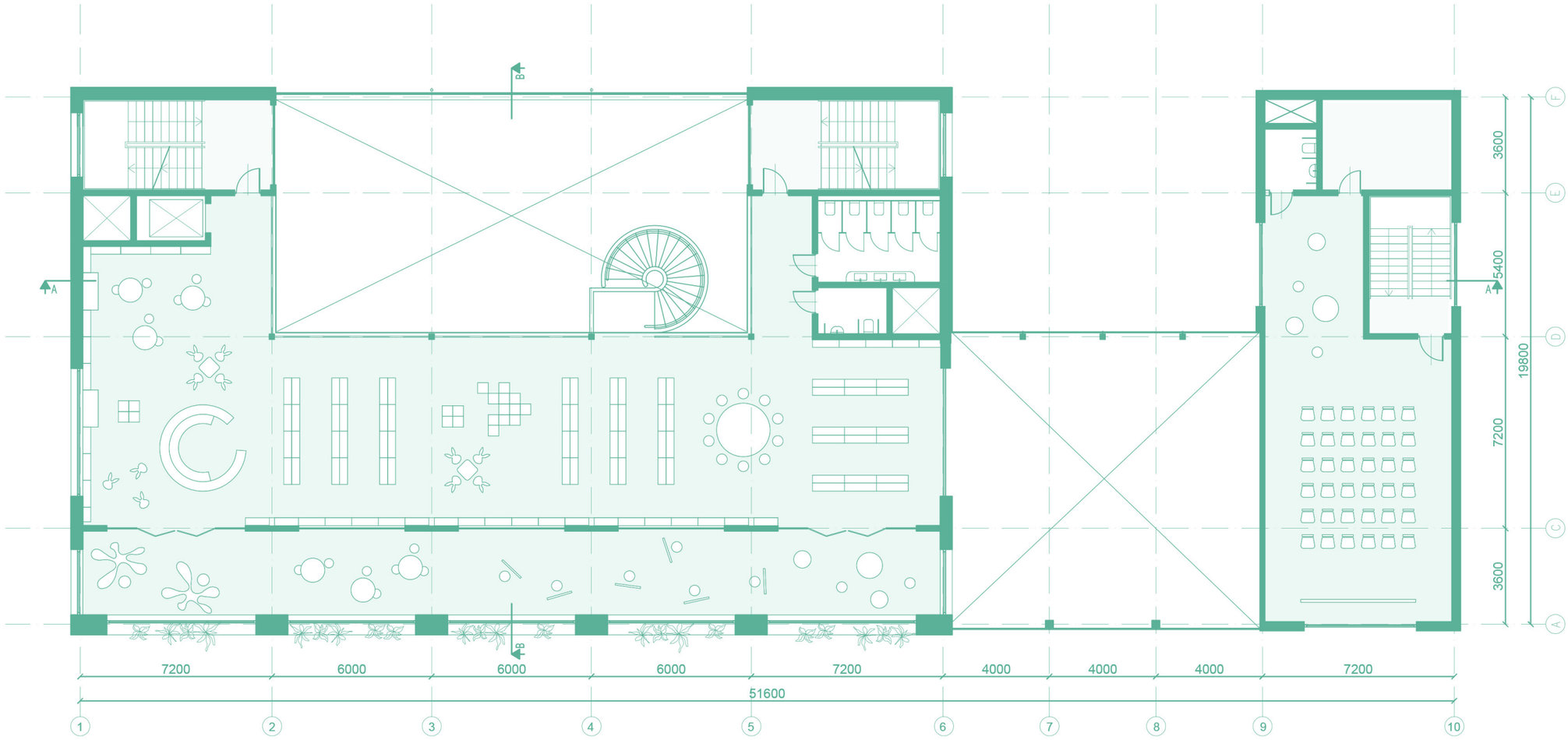
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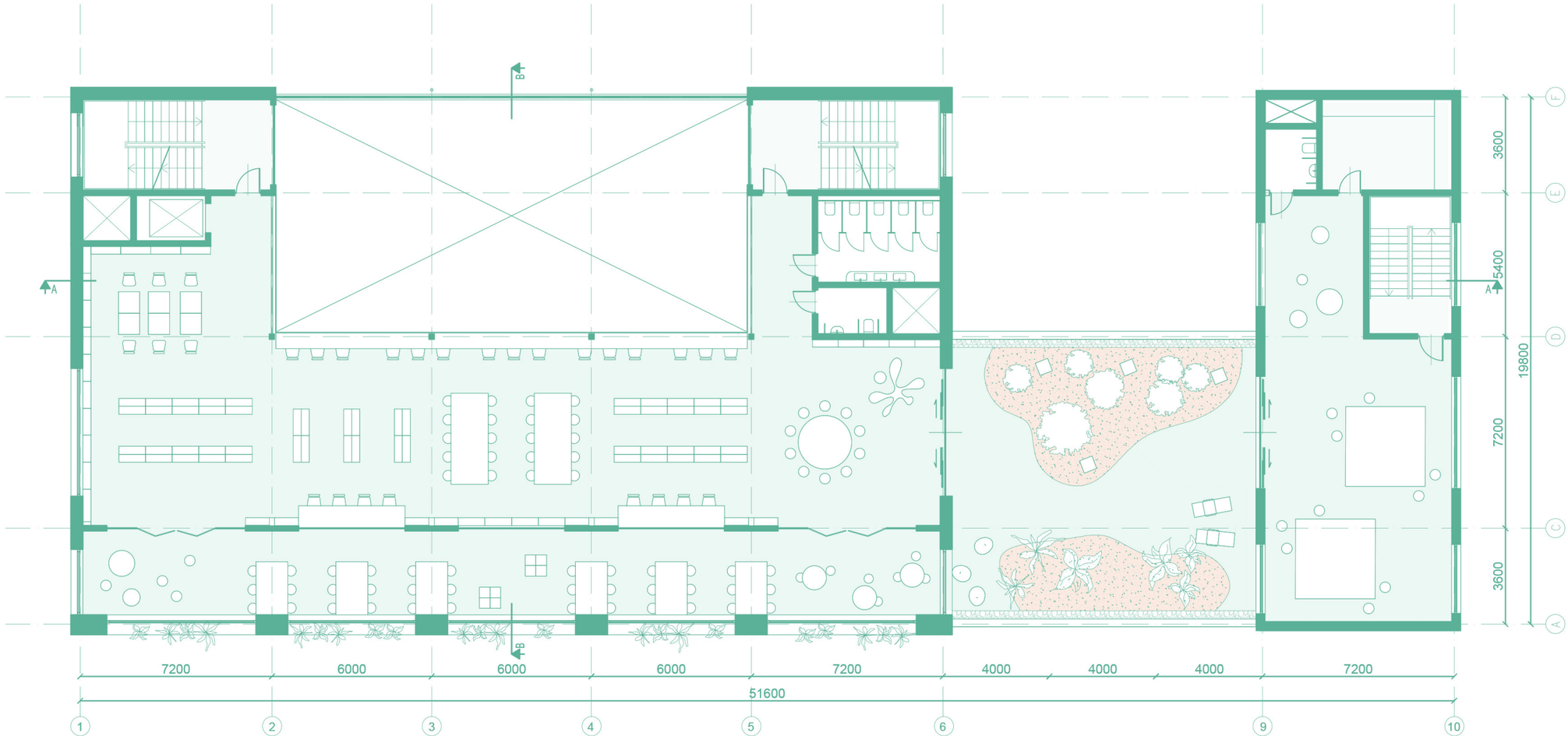
1 FLOOR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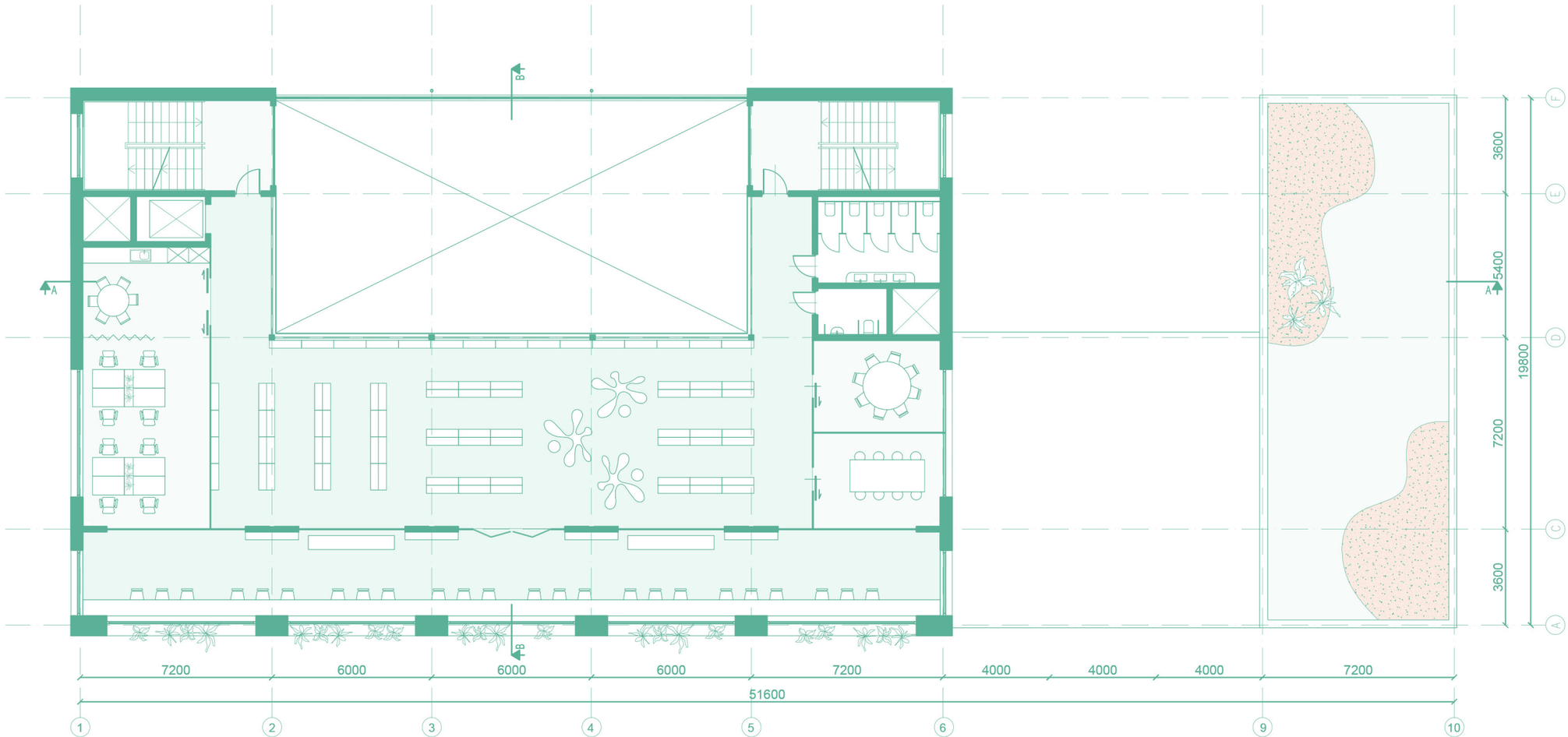
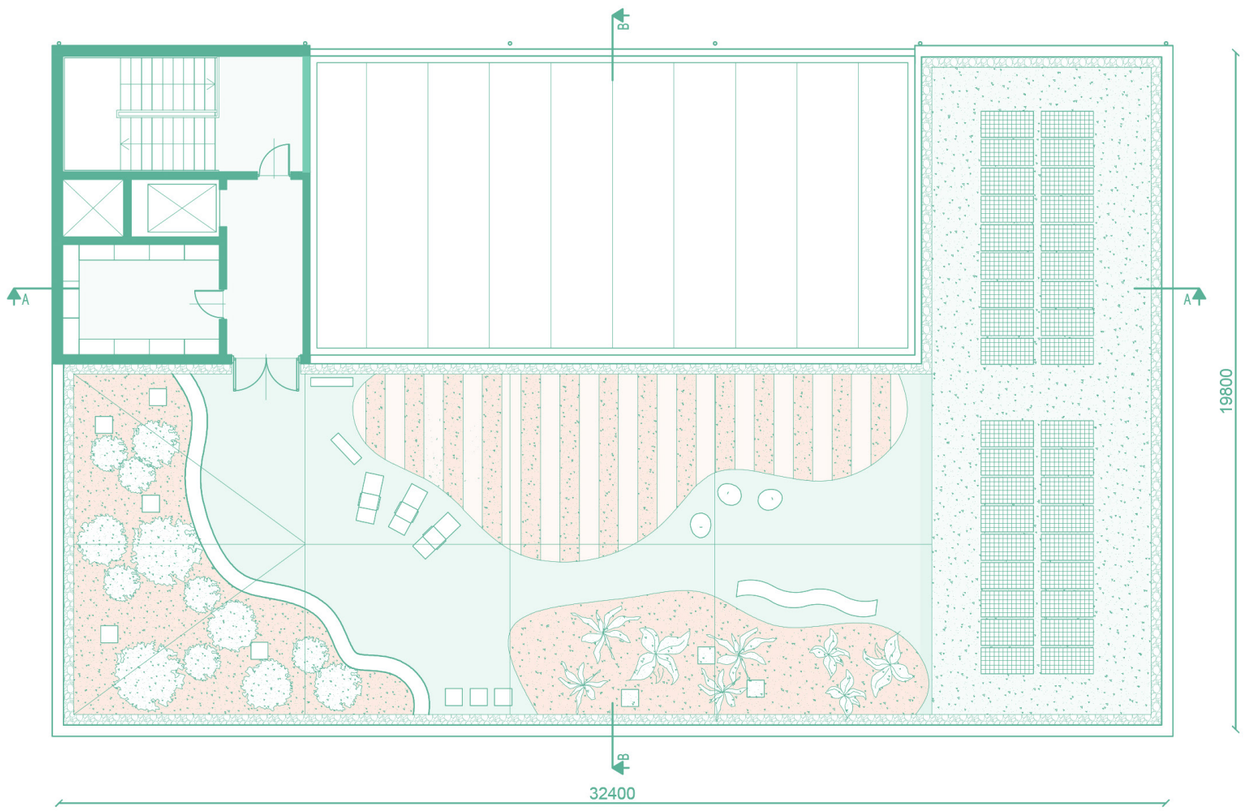
7200
4000
4000
4000
7200
51600
1
2
3
4
5
6
9
10

2 FLOOR



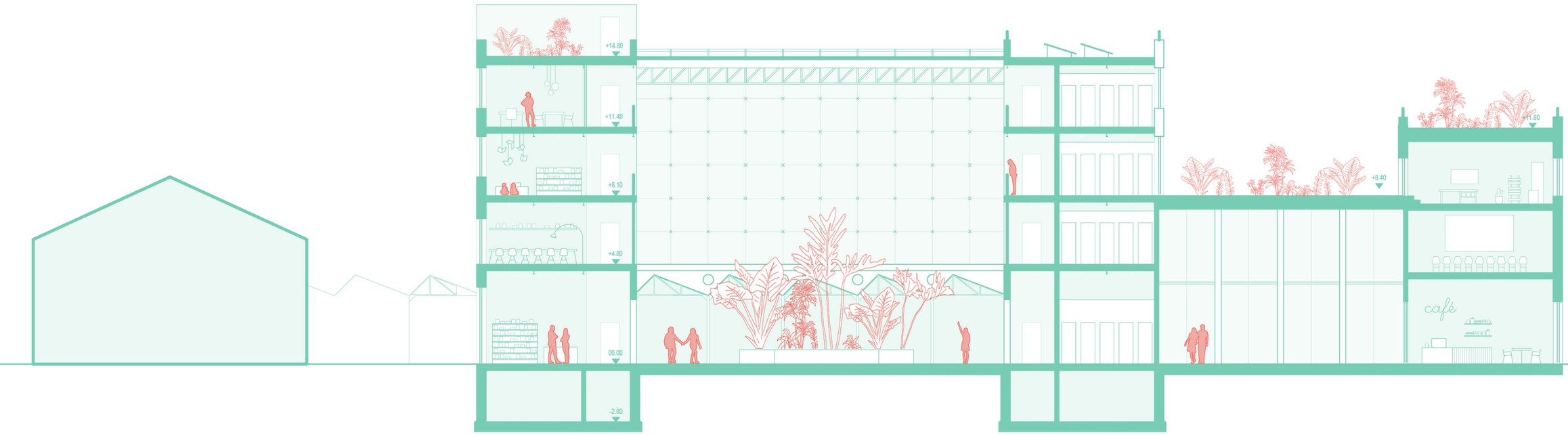

B
B
A
A
3600
5400
7200
19800
7200
3600
E
E
D
C
A
7200
6000
6000
6000
7200
4000
4000
4000
7200
51600
1
2
3
4
5
6
9
10

3 FLOOR

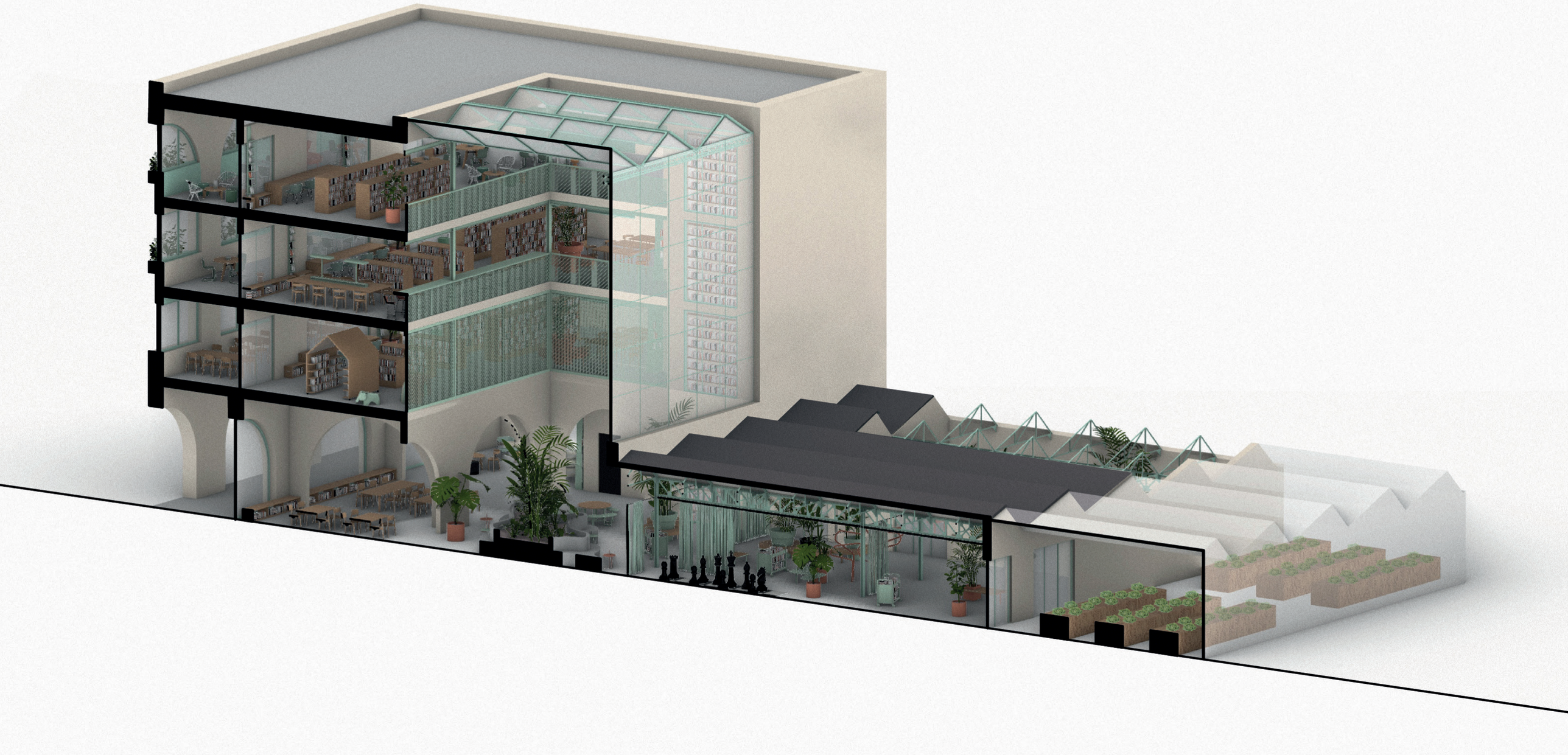


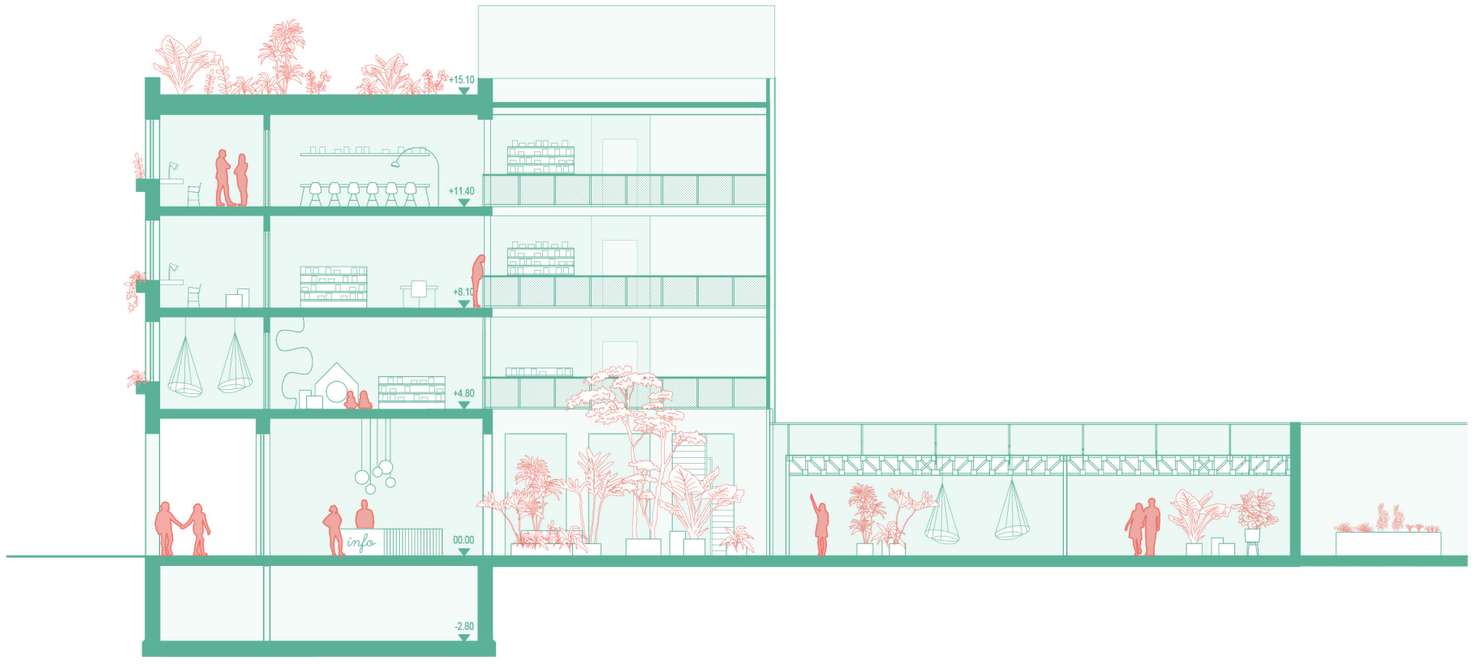
ROOF



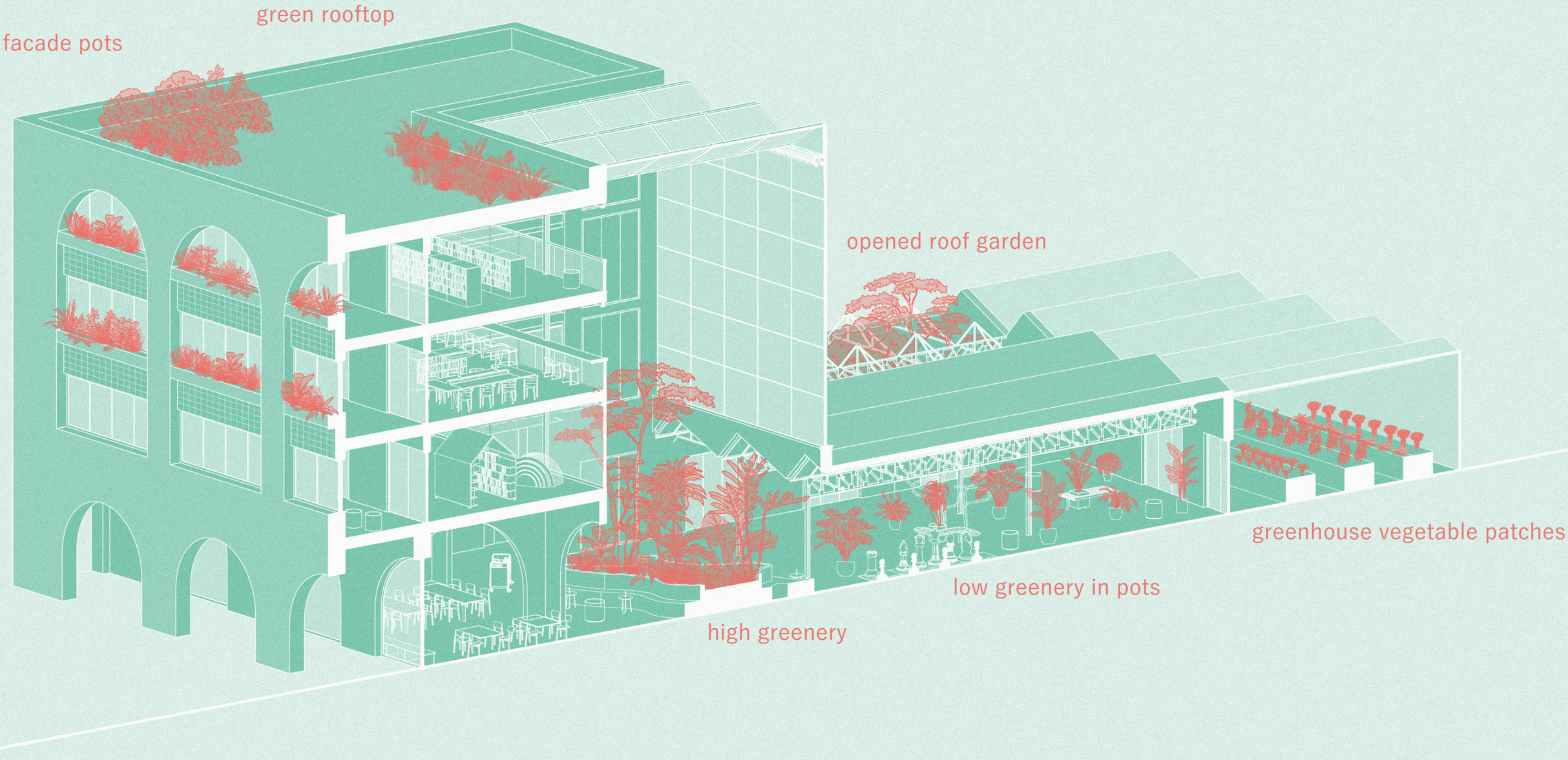


SECTION AA



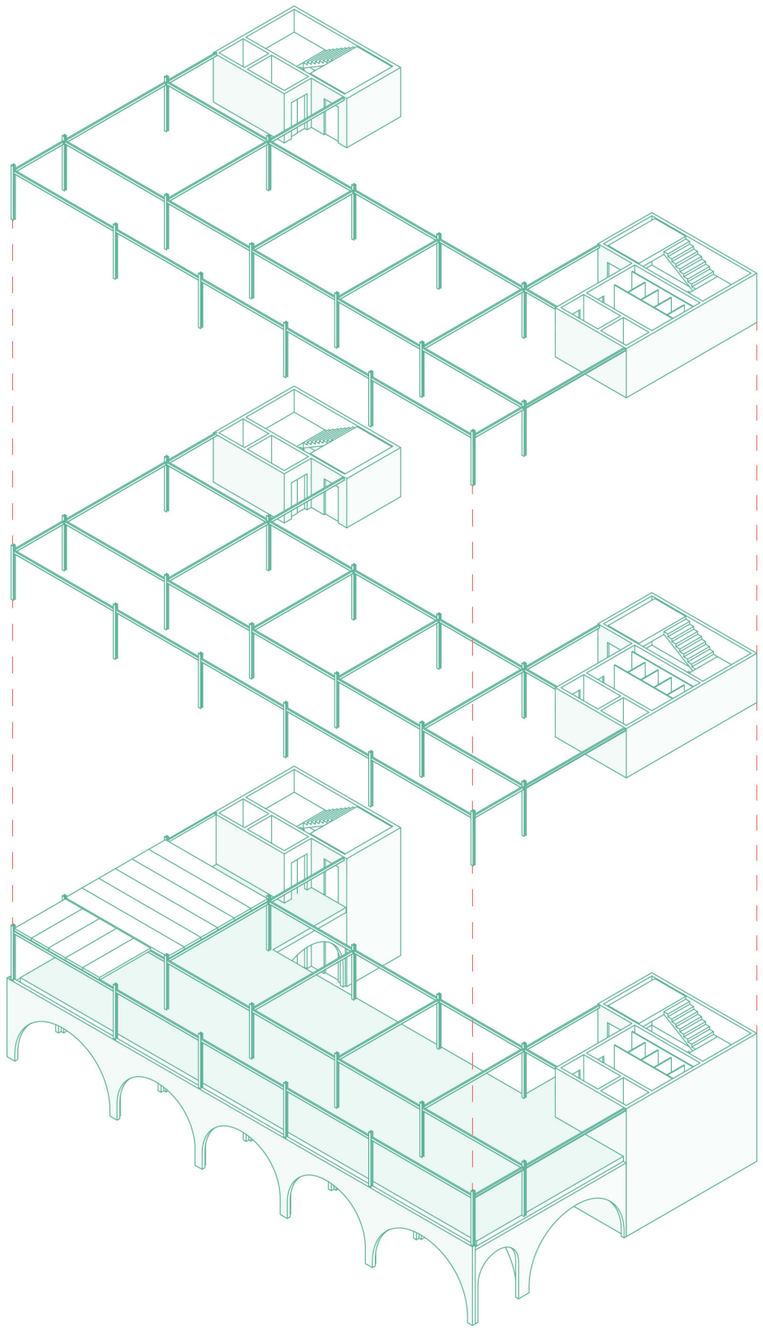


SECTION BB

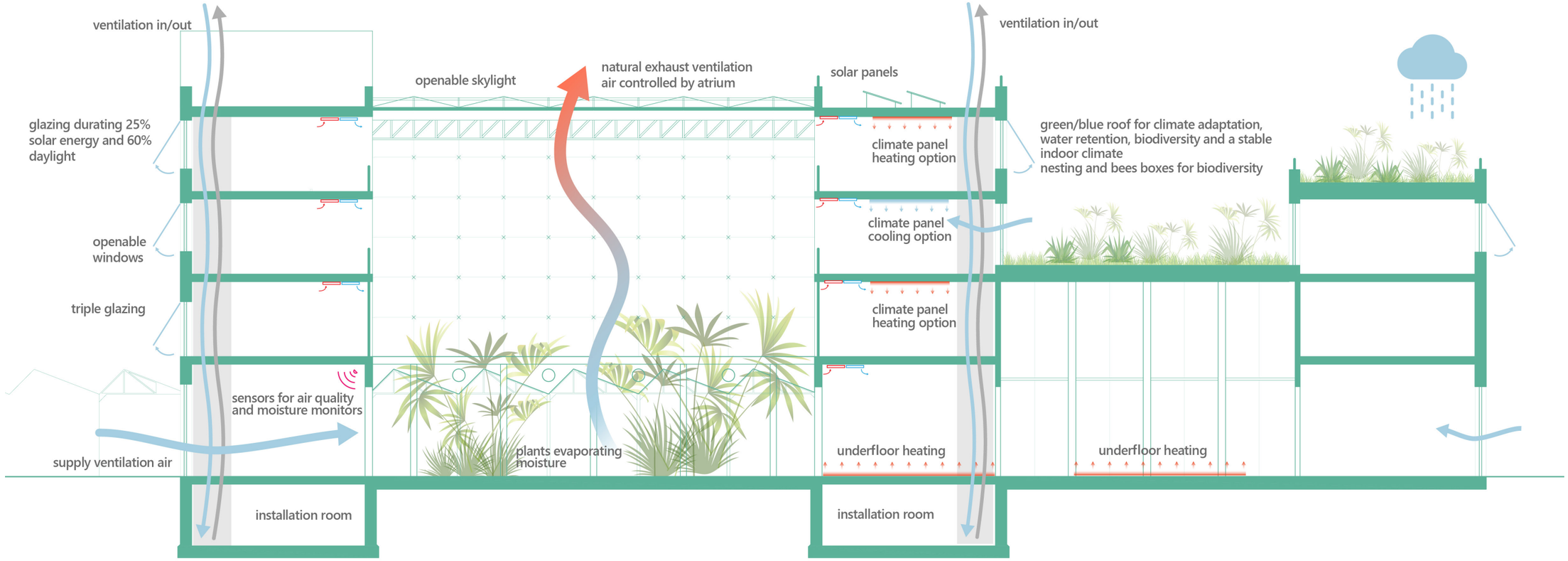


NATURE IN THE BUILDING

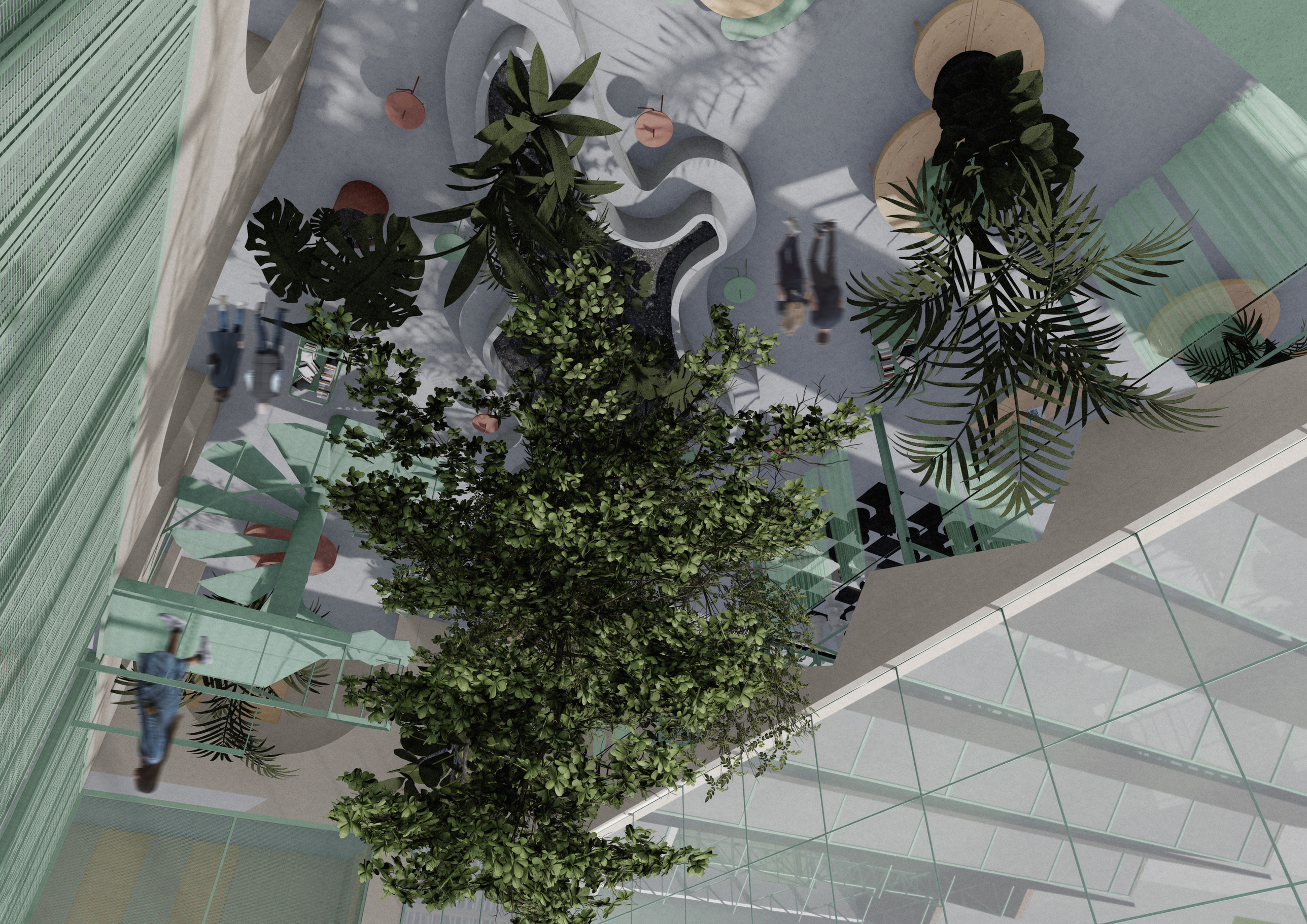


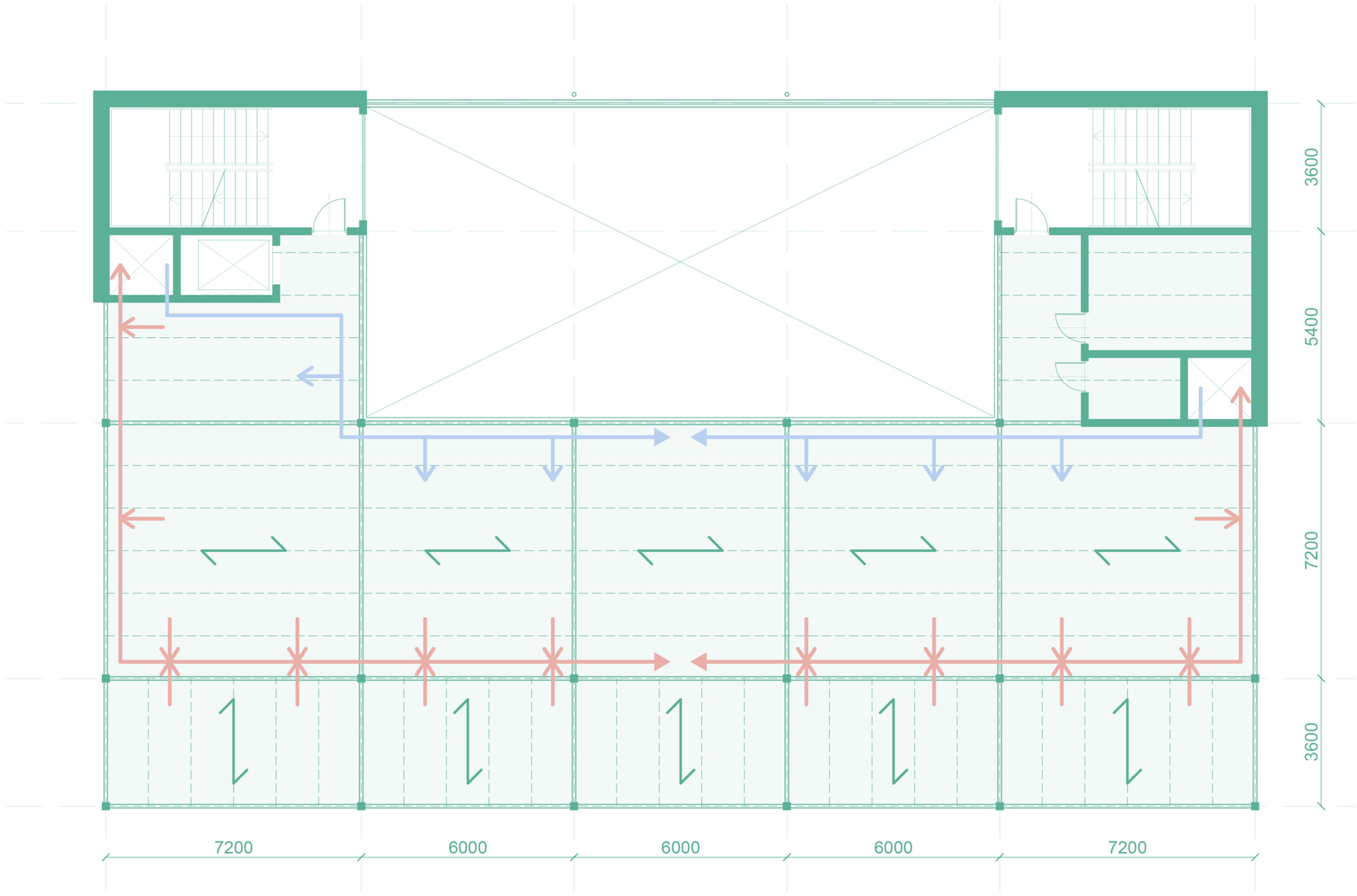


STRUCTURE DIAGRAM



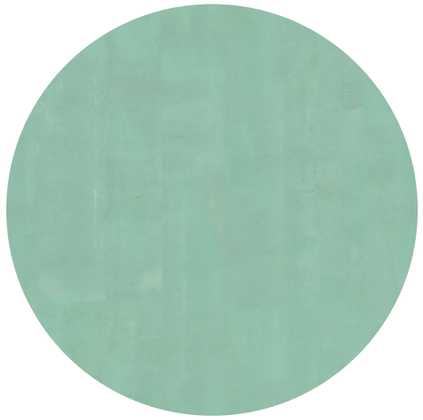
CLIMATE SECTION



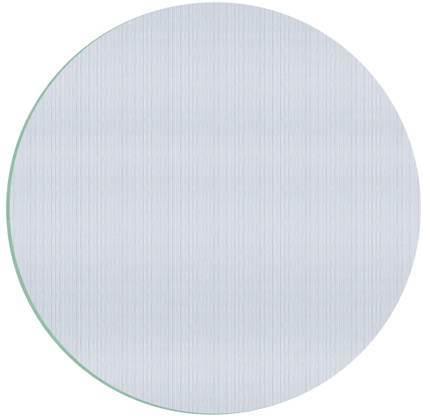


STRUCTURE AND VENTILLATION

concrete
loadbearing walls, floor slabs



colored steel
structure of adaped building part



glass / polycarbonate
exterior and interior



steel
structure



limestone
exterior and interior cladding



wood
interior cladding

MATERIALISATION













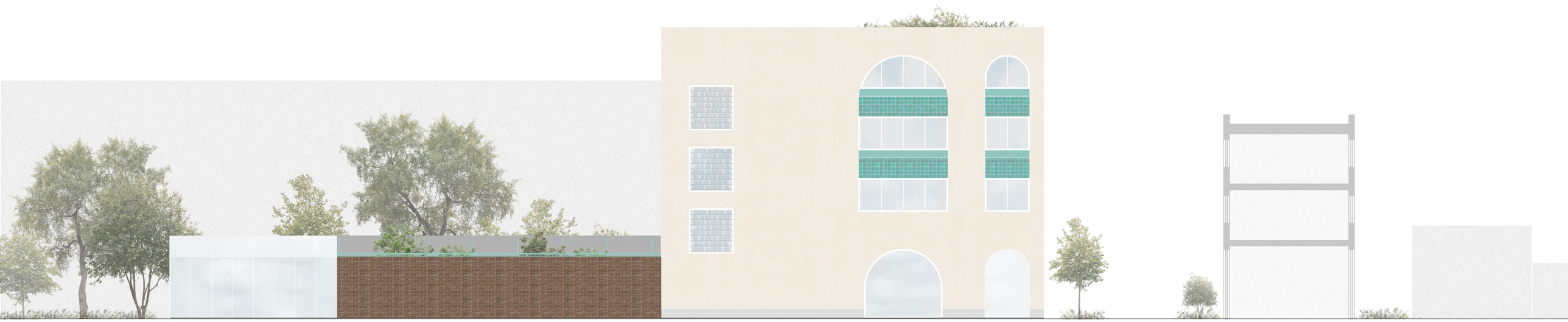




FACADES OF BRESSOUX - ARCHES

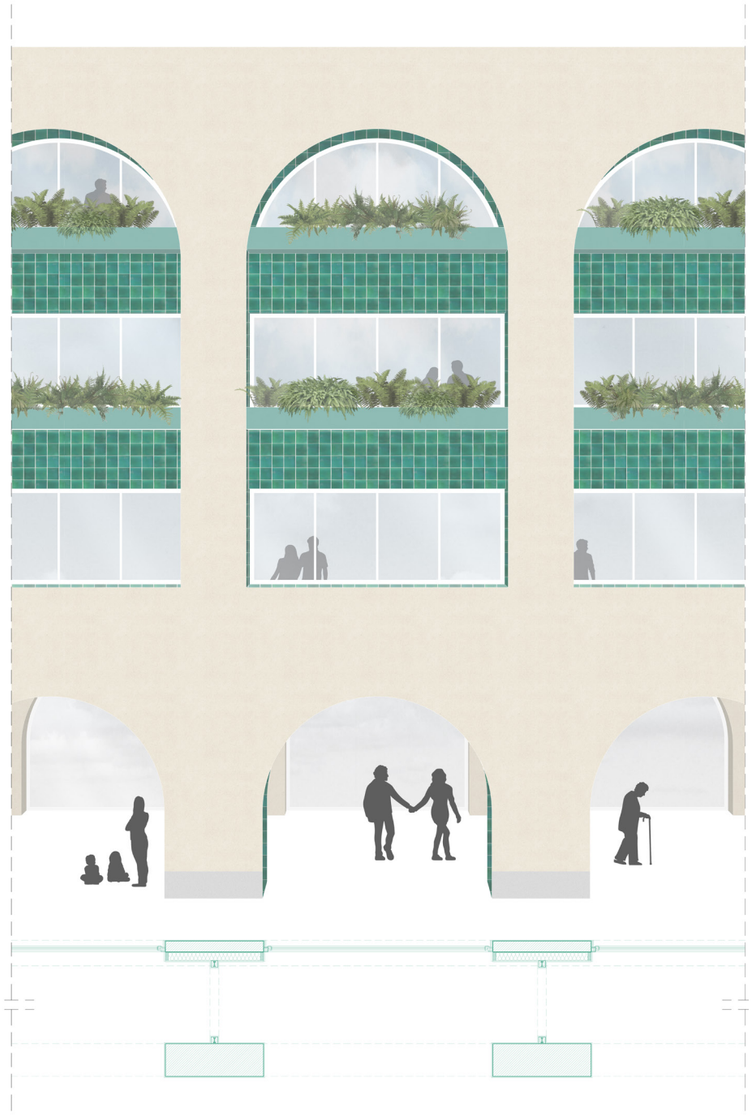


FACADE

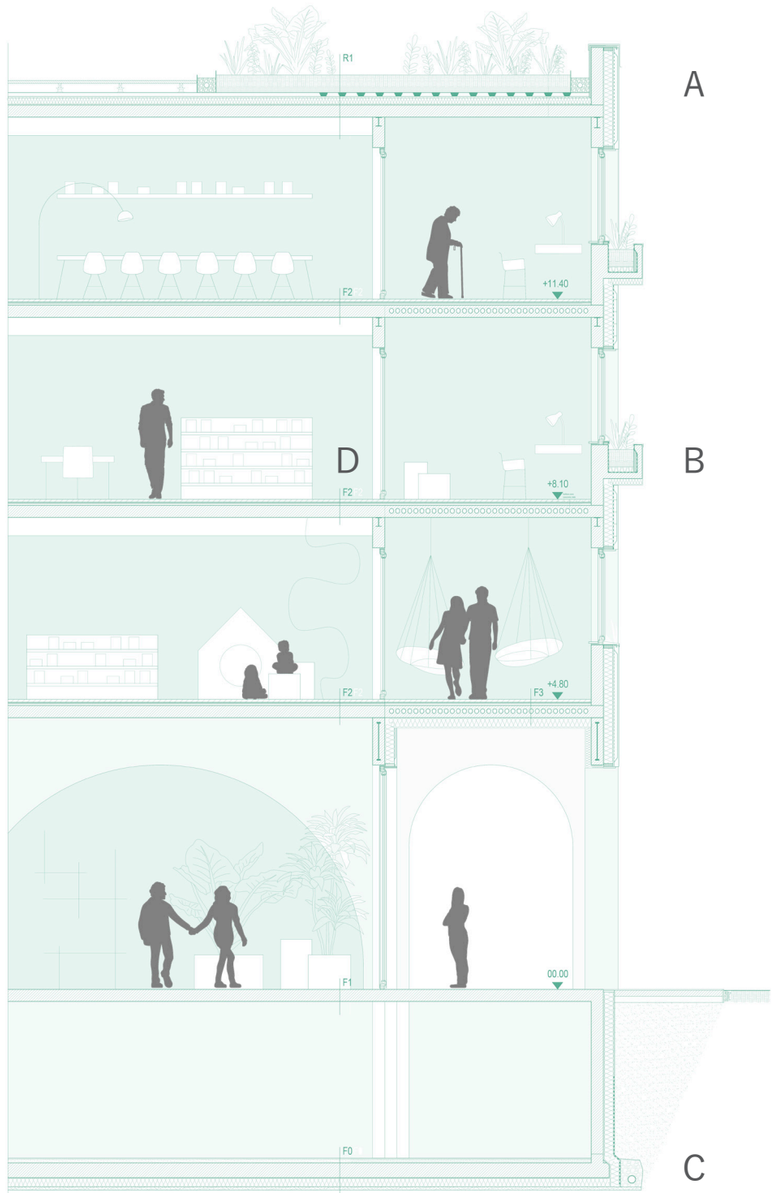


FACADE





FACADE FRAGMENT



R1

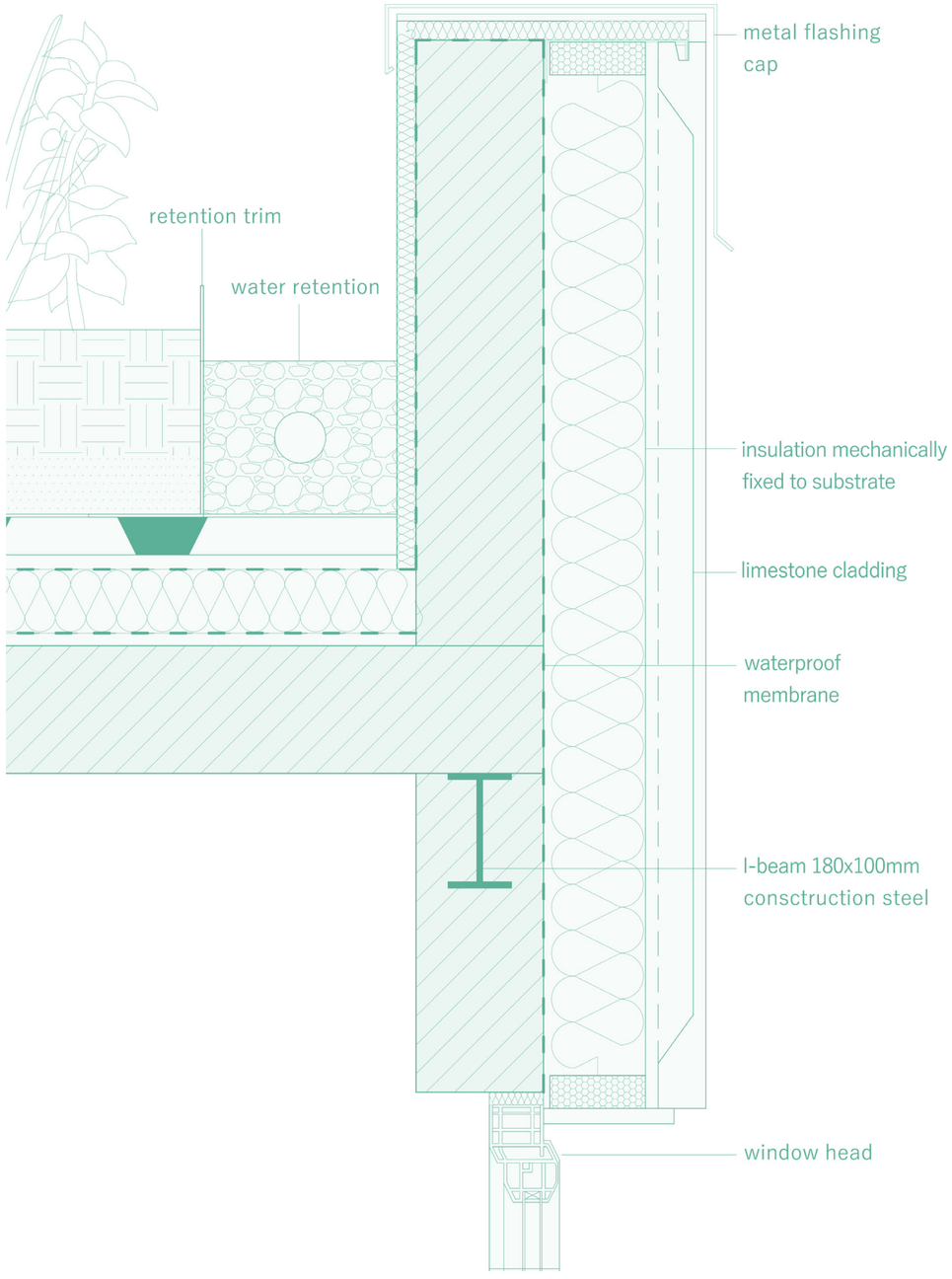
VEGETATION	
PEBBLE	
ENGINEERED SOIL	200 mm
MINERAL WOOL	100 mm
DRAIN MAT WITH FILTER FABRIC	
ROOT BARRIER	
ELASTIC POLYURETHANE MEMBRANE	
CEMENT SCREED UNDER THE SLOPE 3%	30mm
XPS THERMAL ISOLATION	100 mm
WATERPROOFING BITUMINOUS EMULSION	
HOLLOW-CORE SLAB	200 mm

F2

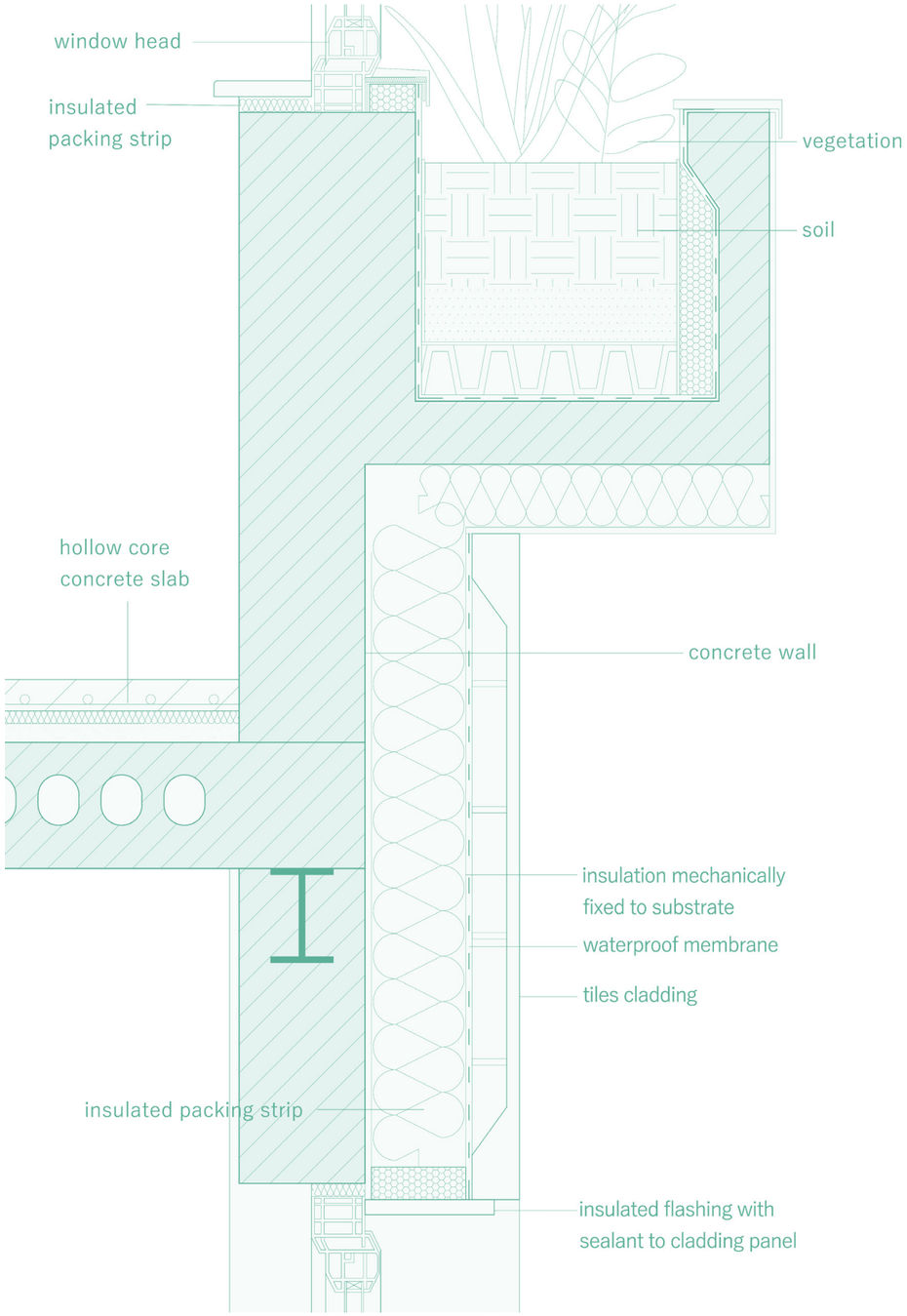
CONCRETE TOPPING	50 mm
FLOOR HEATING	
POLYETHYLENE FOIL	
XPS ISOLATION	20 mm
SCREED	30 mm
HOLLOW-CORE SLAB	200 mm

FACADE FRAGMENT

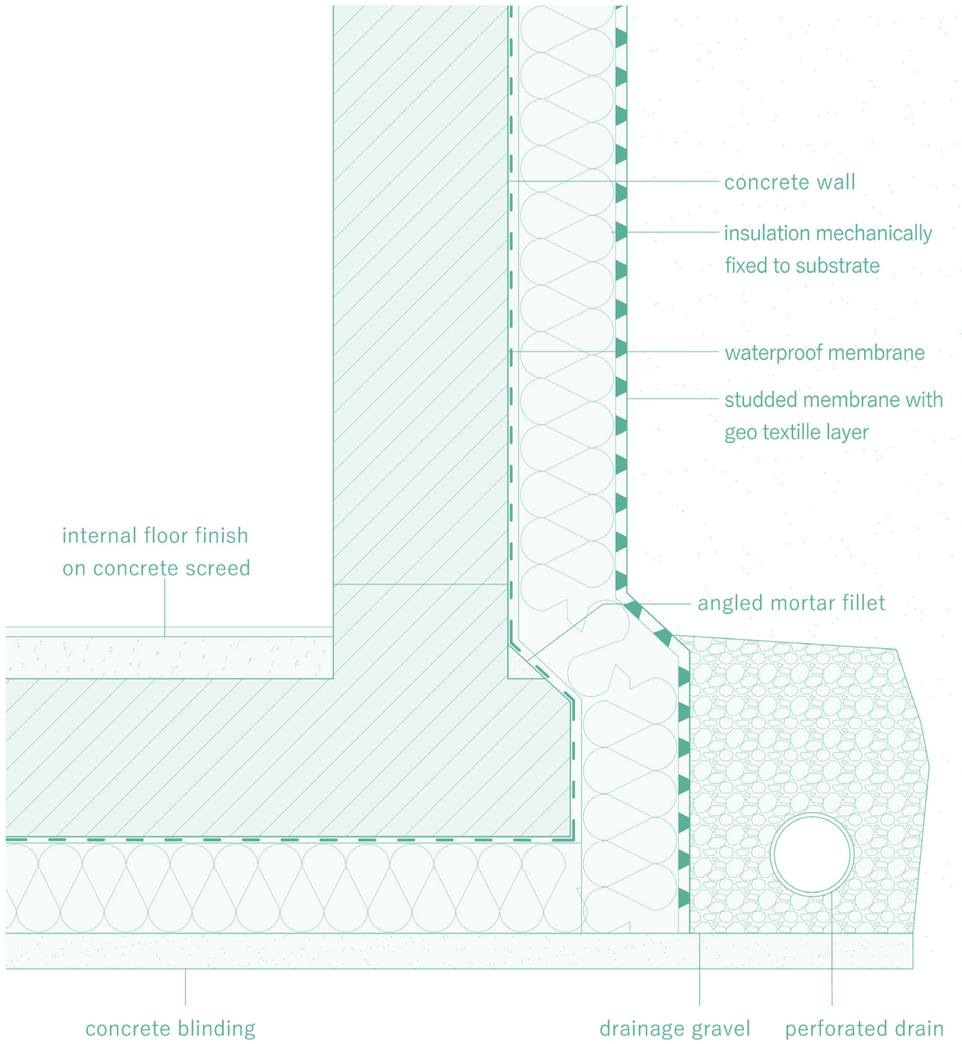

LIFE AT THE EDGE


metal flashing
cap
retention trim
water retention
insulation mechanically
fixed to substrate
limestone cladding
waterproof
membrane
I-beam 180x100mm
consctruction steel
window head

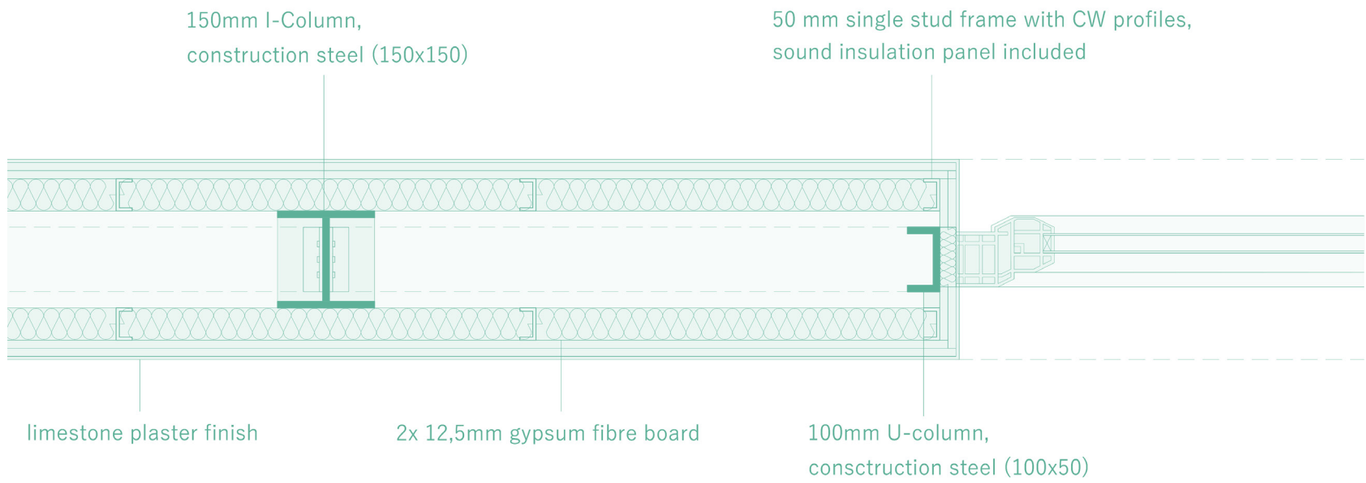
DETAIL A


window head
insulated
packing strip
vegetation
soil
hollow core
concrete slab
concrete wall
insulation mechanically
fixed to substrate
waterproof membrane
tiles cladding
insulated packing strip
insulated flashing with
sealant to cladding panel

DETAIL B

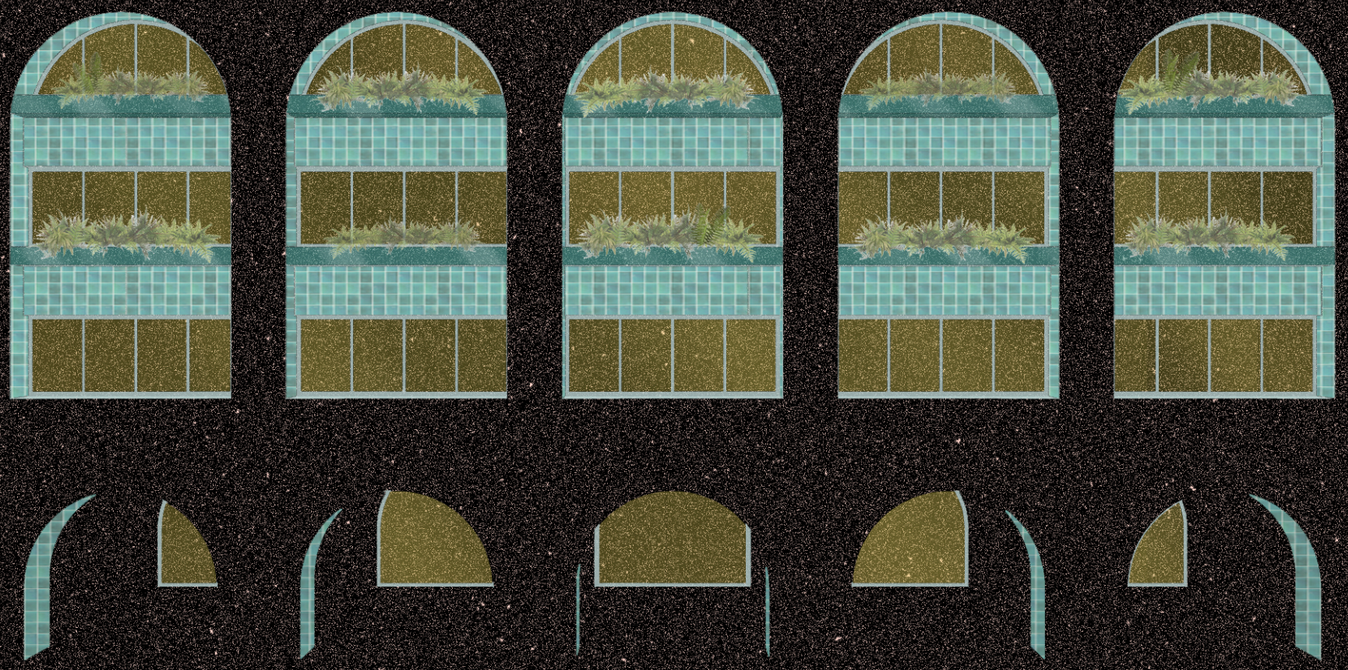

concrete wall
insulation mechanically fixed to substrate
waterproof membrane
studded membrane with geo textille layer
internal floor finish on concrete screed
angled mortar fillet
concrete blinding
drainage gravel
perforated drain

DETAIL C


150mm I-Column,
construction steel (150x150)
50 mm single stud frame with CW profiles,
sound insulation panel included
limestone plaster finish
2x 12,5mm gypsum fibre board
100mm U-column,
consctruction steel (100x50)

DETAIL D





THANK YOU!