

# BOX-in-BOX

*The cultural experience of Rotterdam*

The public realm graduation  
studio Rotterdam

tutors:

N. Marzot  
S. Komossa  
J. Fokkinga  
H. Hubers

Januari 27, 2012



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Introduction > location  
assignment  
problem statement

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Masterplan > research topic  
research  
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concept

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visible connection  
construction  
climate  
materialisation

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Conclusion > BOX-in-BOX

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# ***01*** Introduction

# **01** Introduction

.Location

**Netherlands**

\_Rotterdam



# ***01*** Introduction

.Location

**Netherlands**

\_Rotterdam

\_Cool





# 01 Introduction

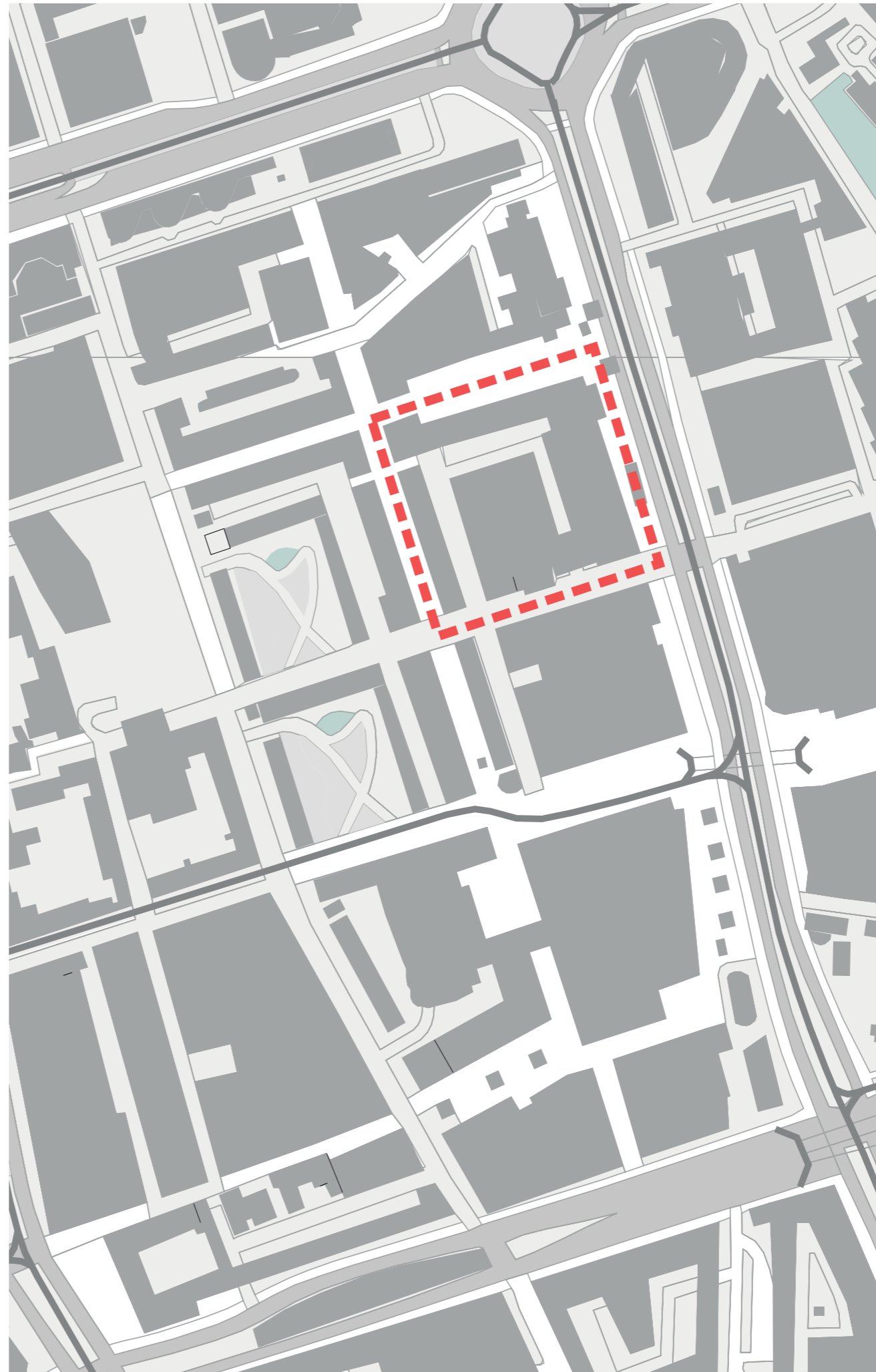
.Location

## Netherlands

\_Rotterdam

\_Cool

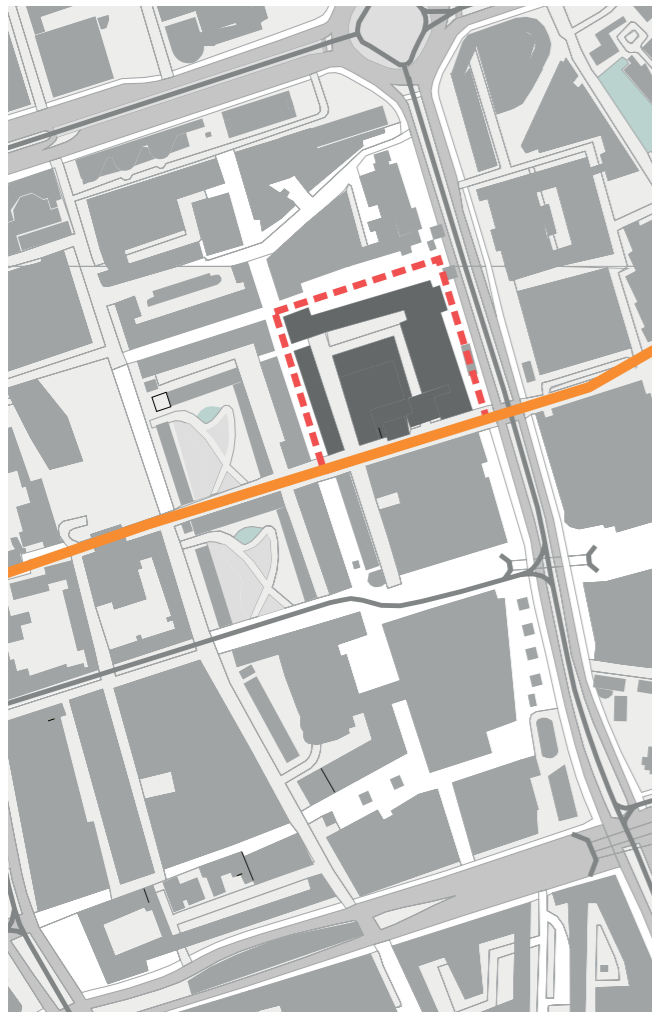
\_Lijnbaan area



# 01 Introduction

.Location

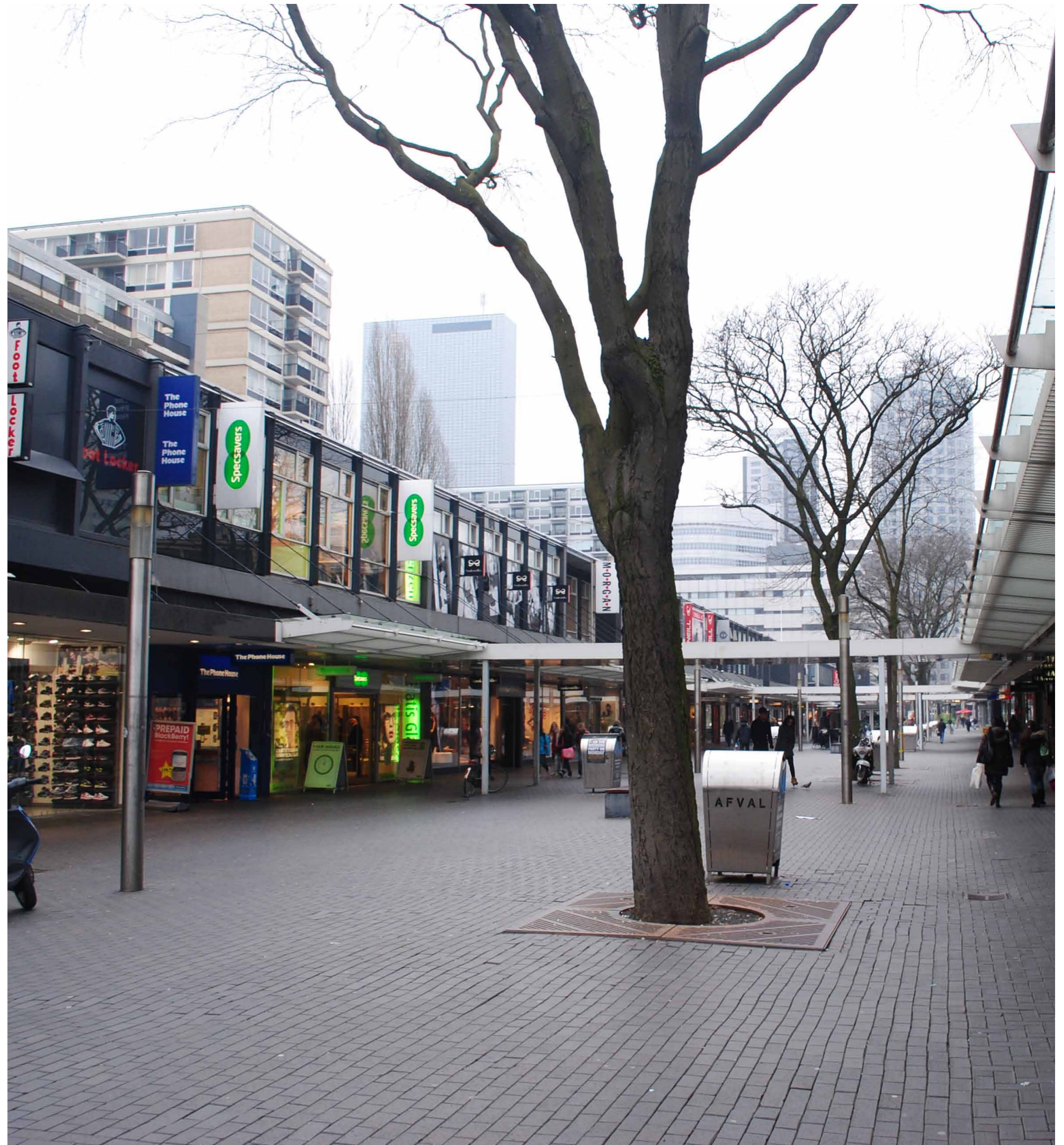
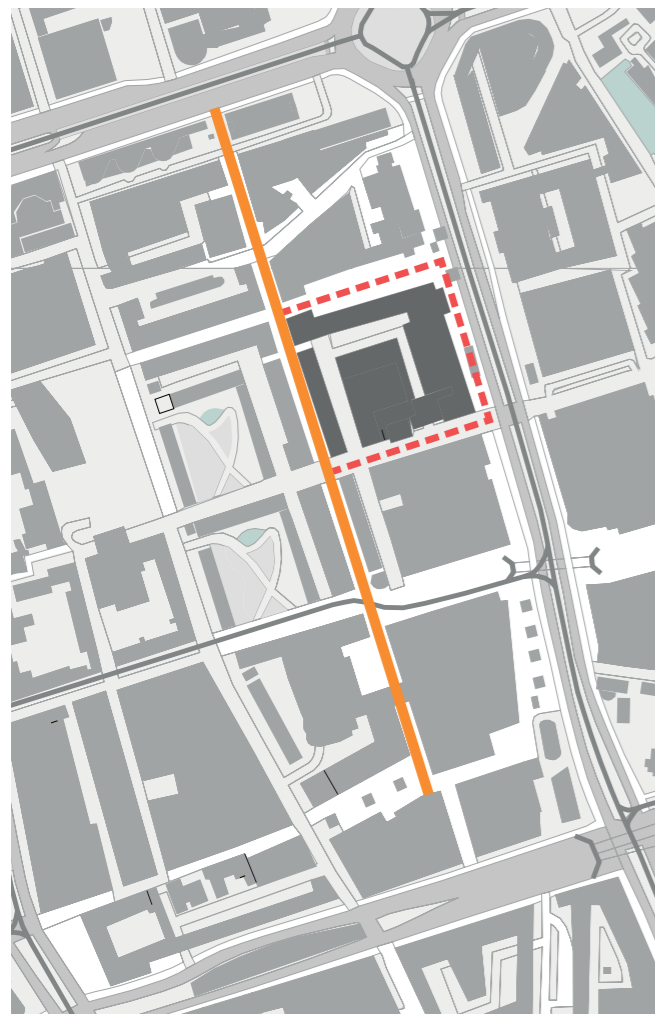
Aert van Nessesstraat



# 01 Introduction

.Location

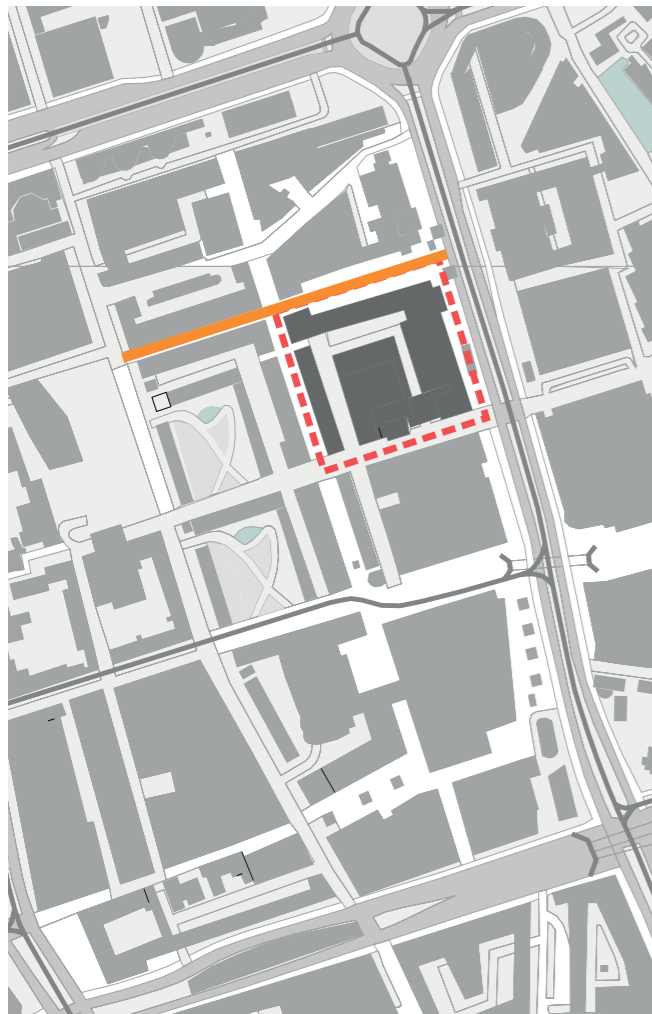
Lijnbaan



# 01 Introduction

.Location

Stadhuisplein



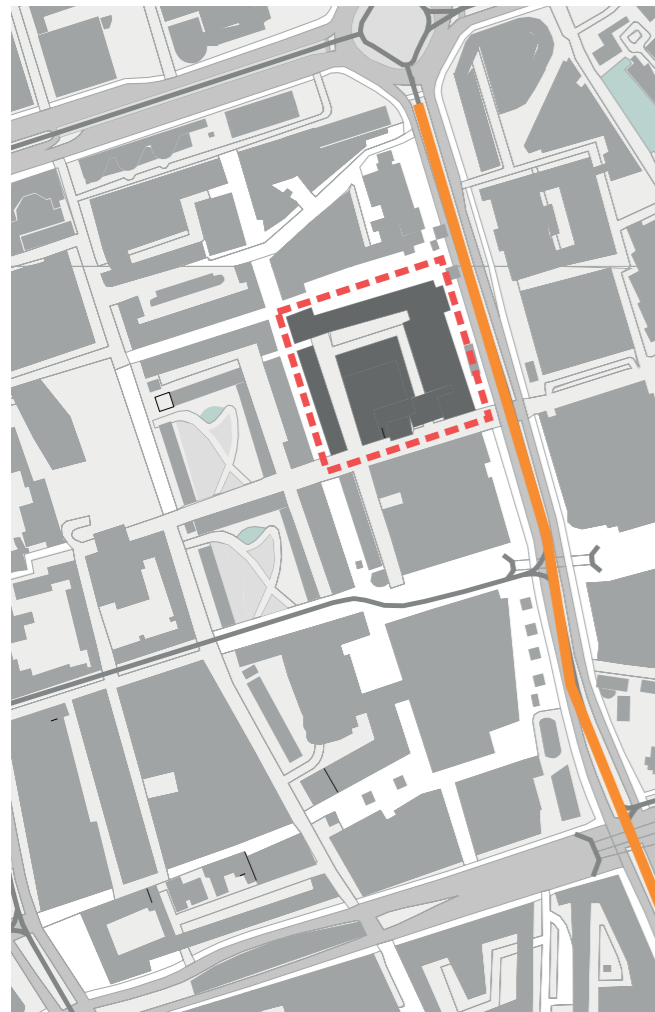
↑ N



# 01 Introduction

.Location

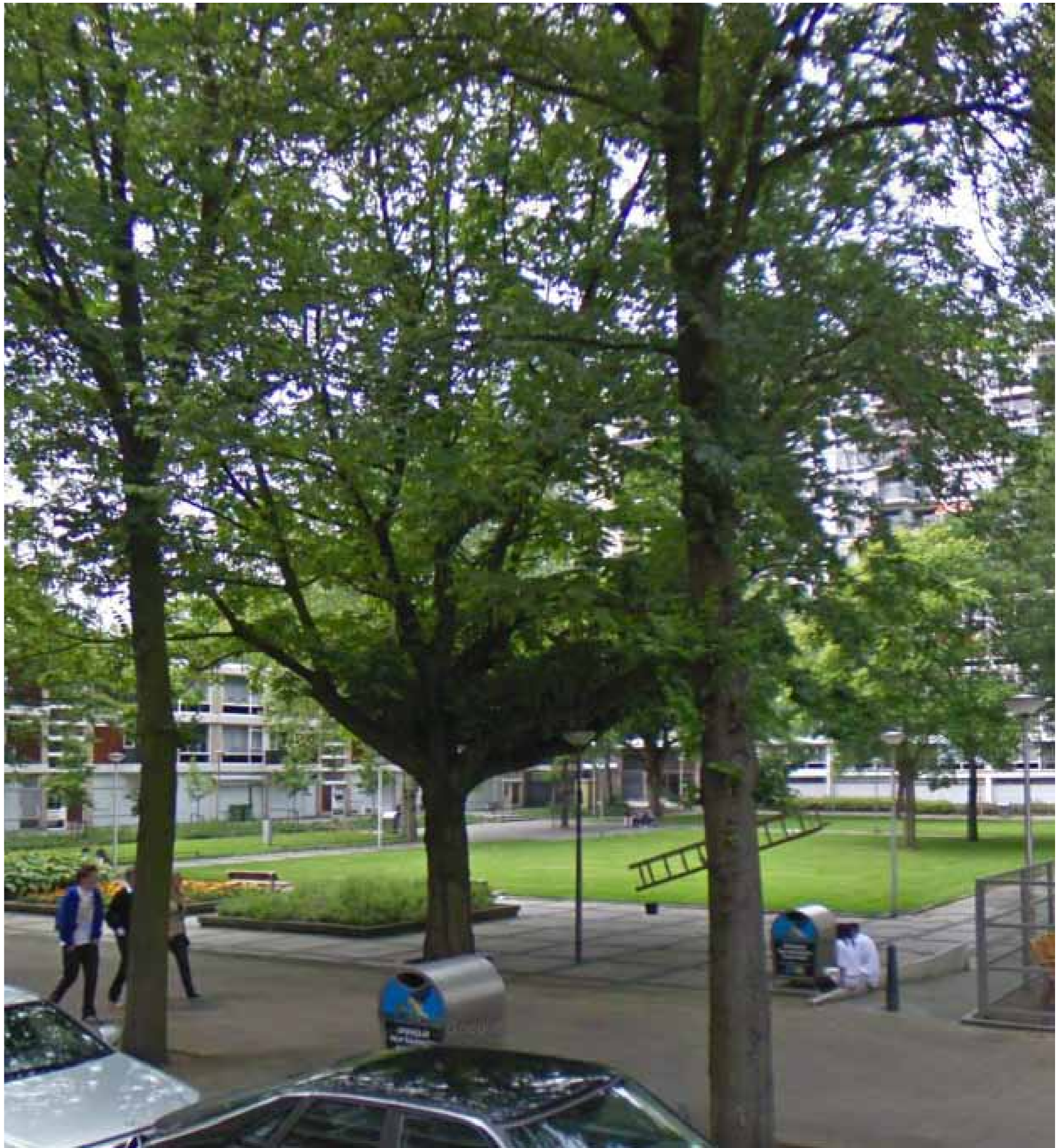
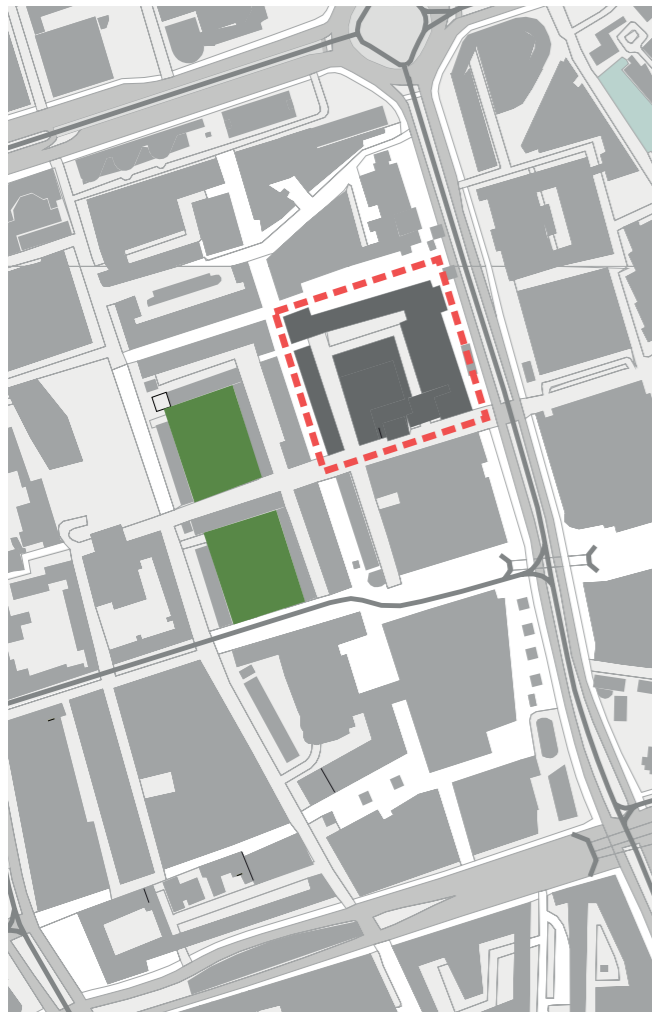
Coolsingel



# 01 Introduction

.Location

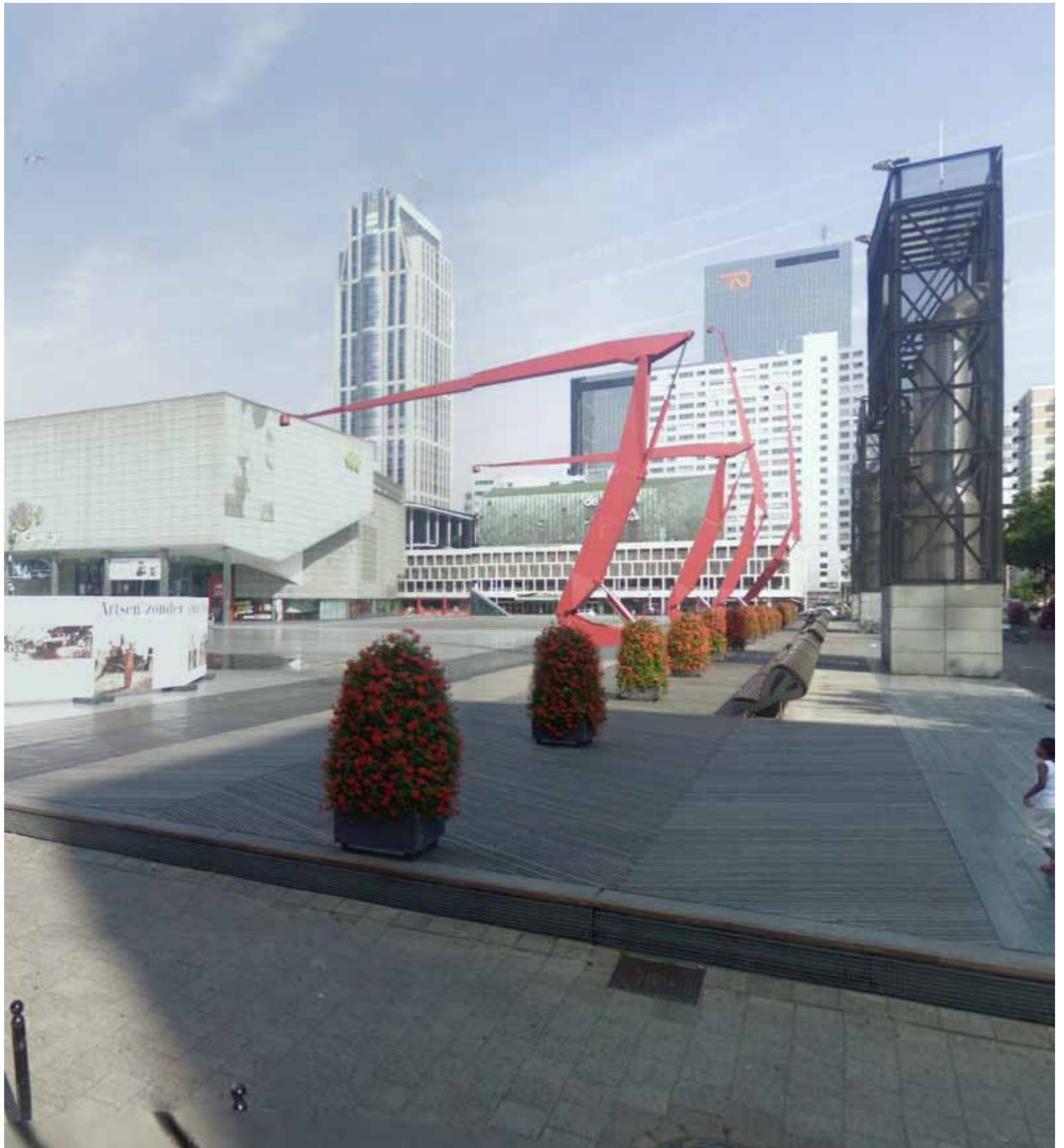
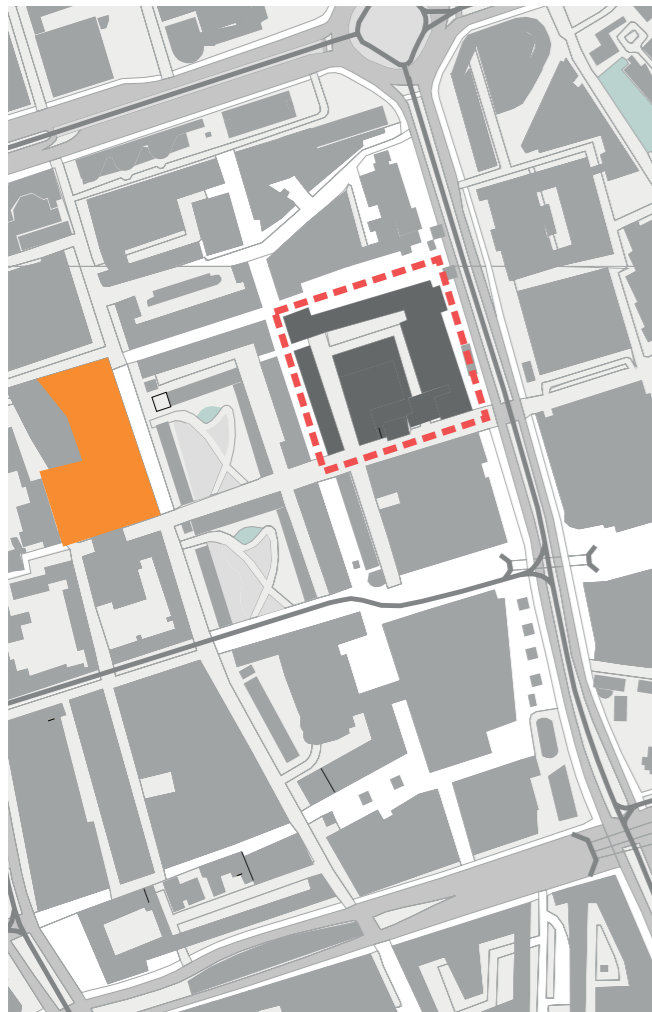
Lijnbaan hoven



# 01 Introduction

.Location

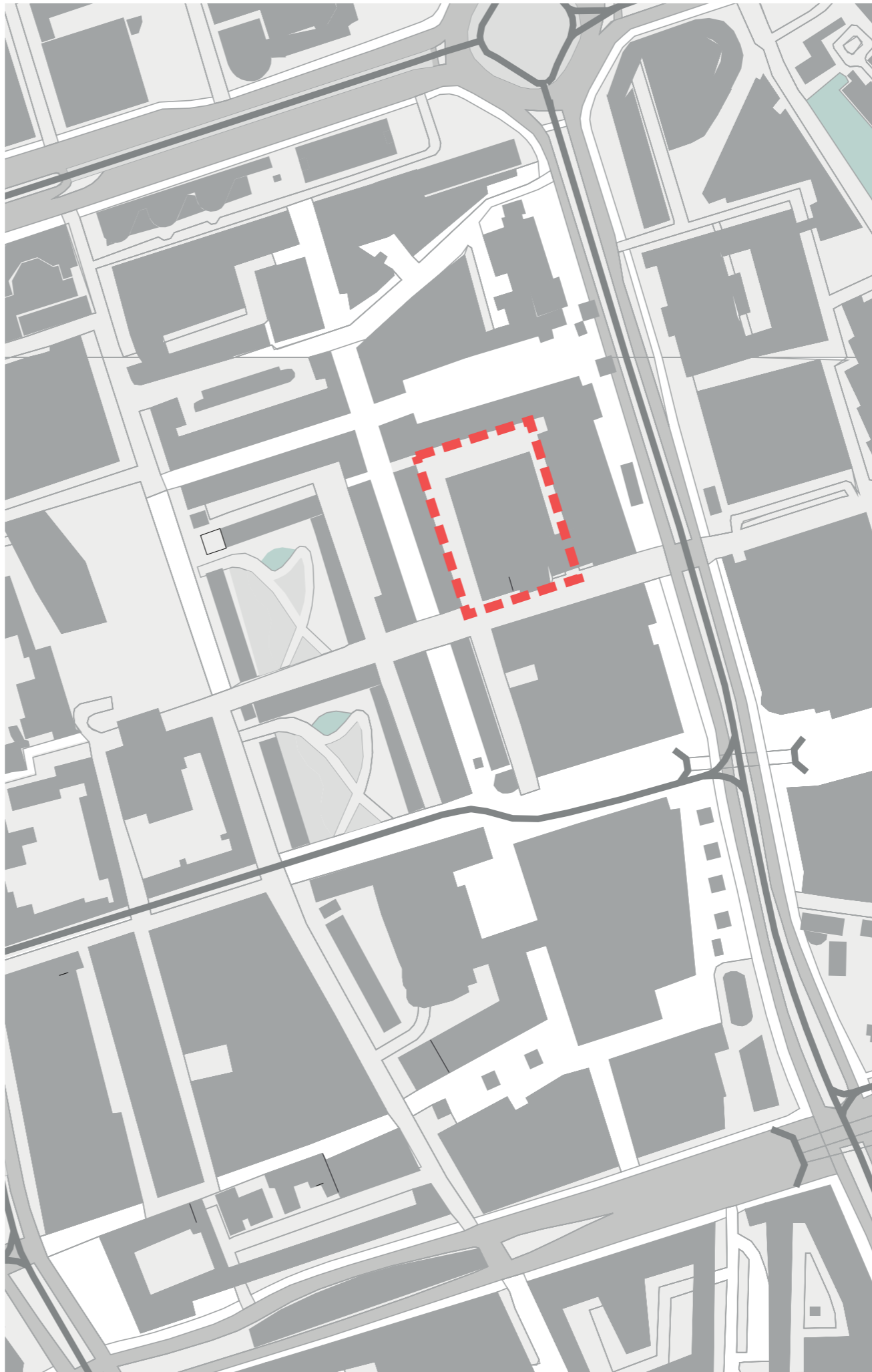
Schouwburgplein



# 01 Introduction

.Assignment

Design location



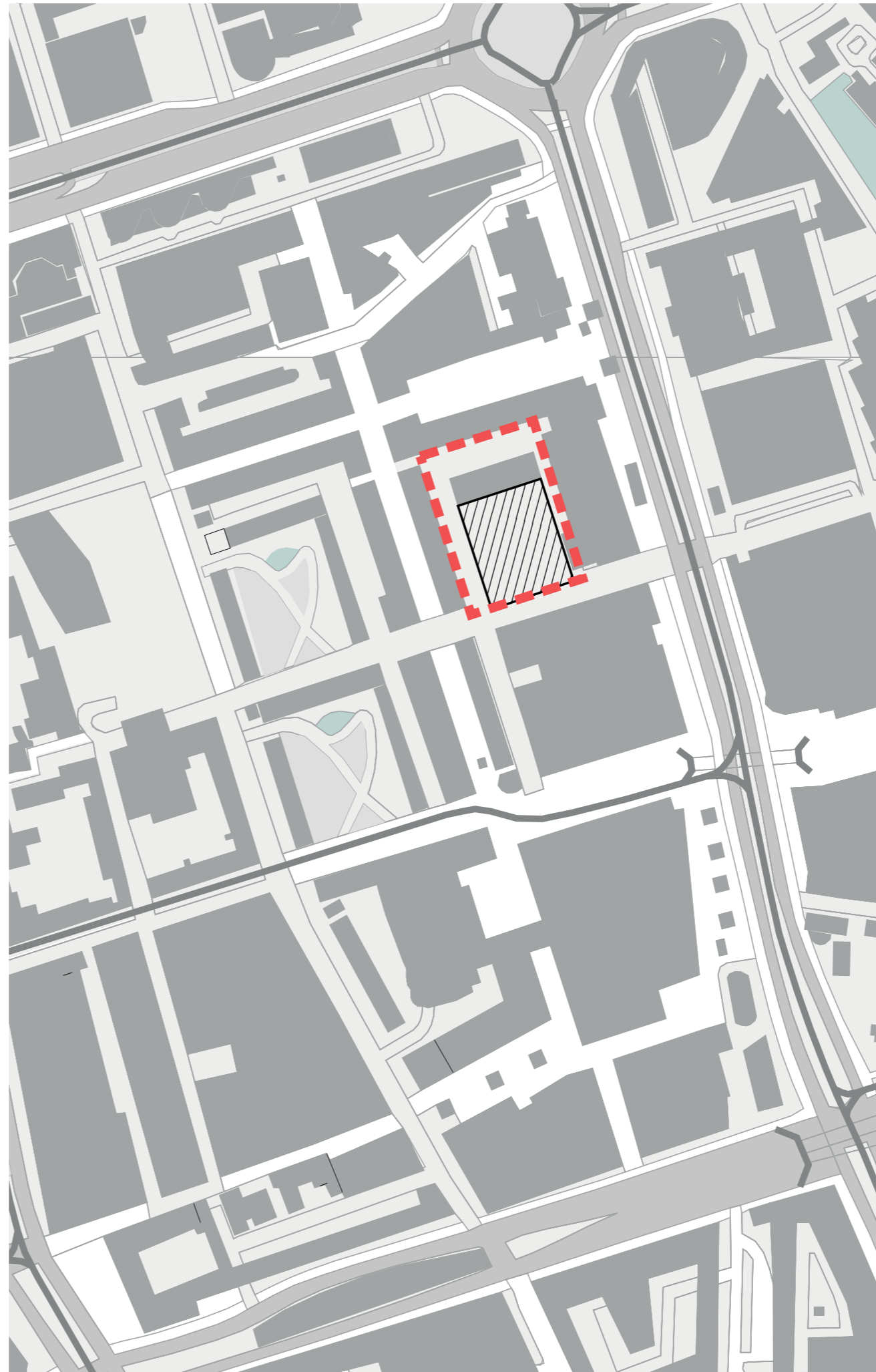


# 01 Introduction

.Assignment

## Design location

\_Demolishing of existing buildings

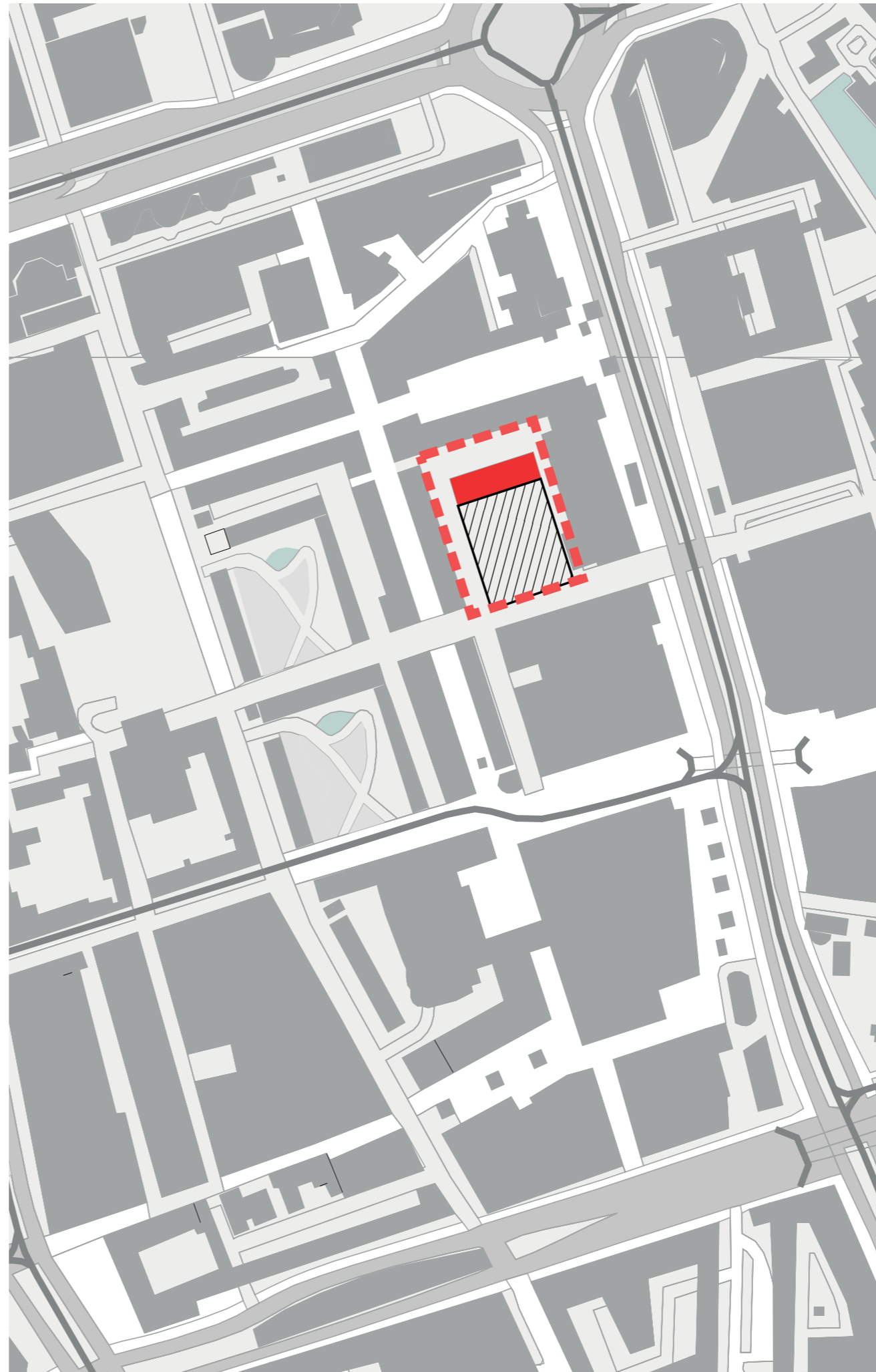


# 01 Introduction

.Assignment

**Design location**

\_Keep the monument

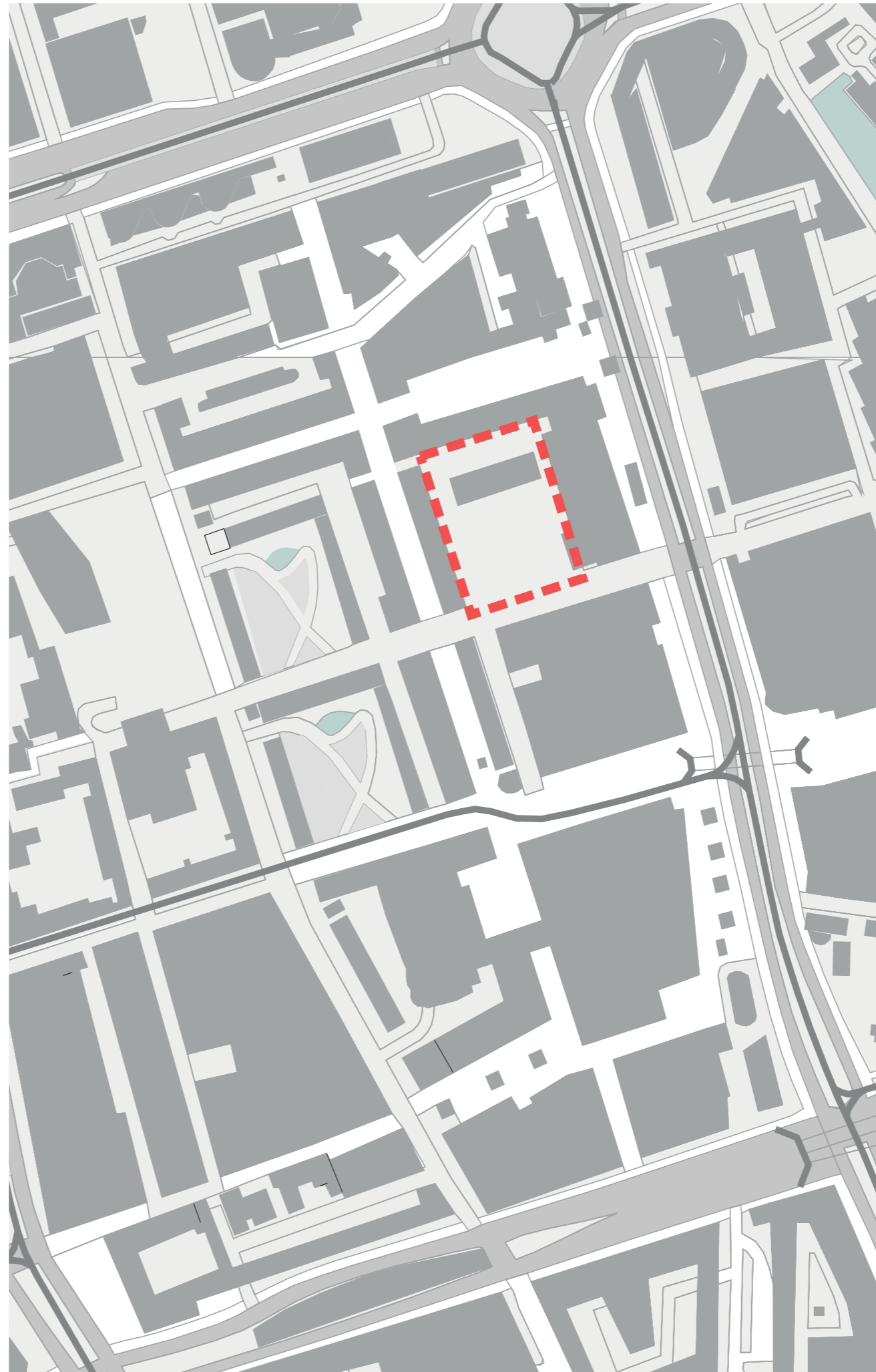


# 01 Introduction

.Assignment

**Design location**

\_Area for the design



# ***01*** Introduction

.Problem statement

Rotterdam

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**Rotterdam**

A city well known as.....

# **01** Introduction

.Problem statement

## **Rotterdam**

A city well known as  
- the bombed city

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## **Rotterdam**

A city well known as

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## **The city centre of Rotterdam**

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well known as.....

# **01** Introduction

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A city well known as

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## **The city centre of Rotterdam**

well known as

- a shopping centre

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well known as

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- a fragmented centre

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well known as

- a shopping centre
- a fragmented centre
- an unattractive centre

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## **Research focus on**

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## **Research focus on**

Public realm and its users

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Public realm and its users

## **Research question**



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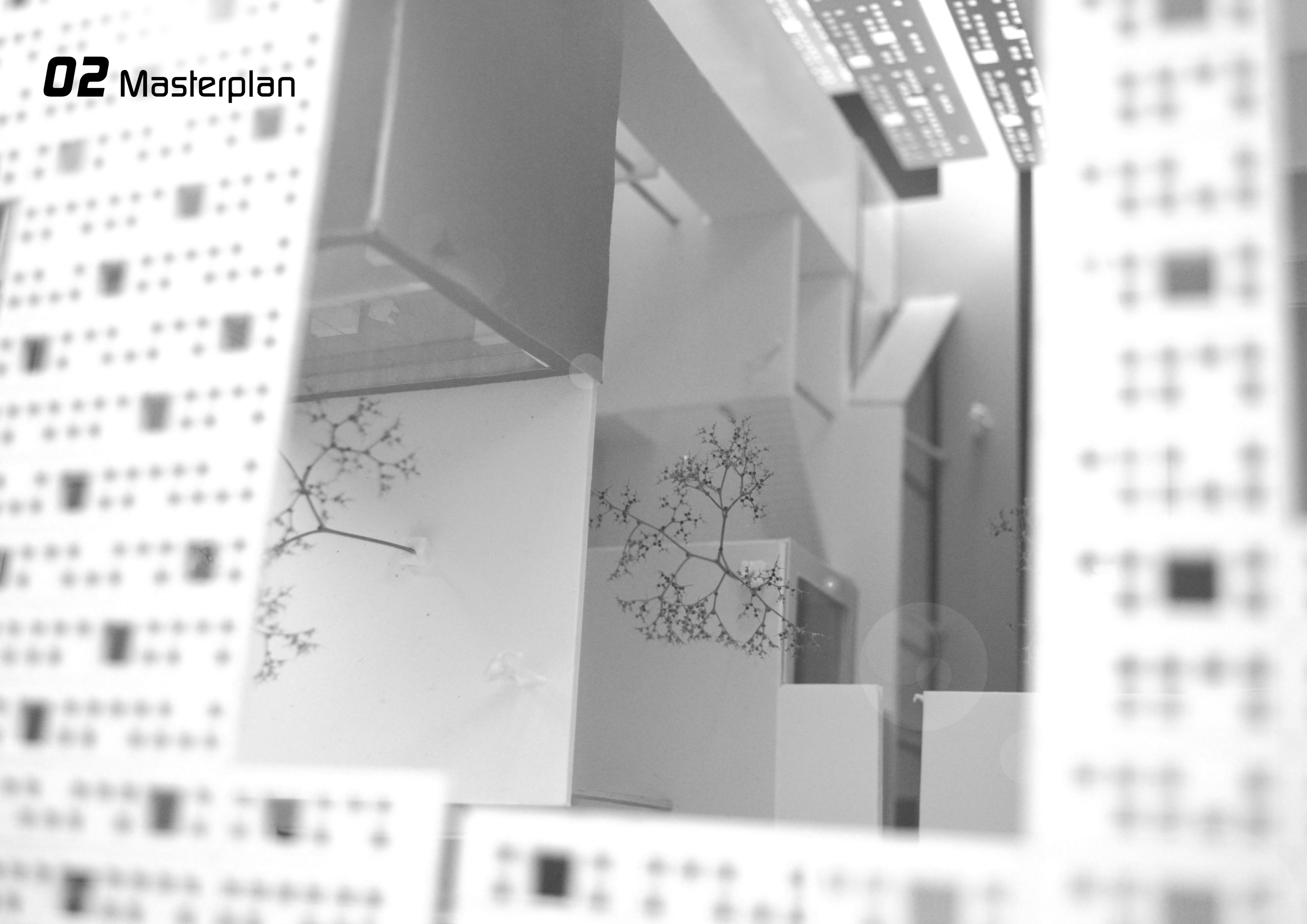
## **Research focus on**

Public realm and its users

## **Research question**

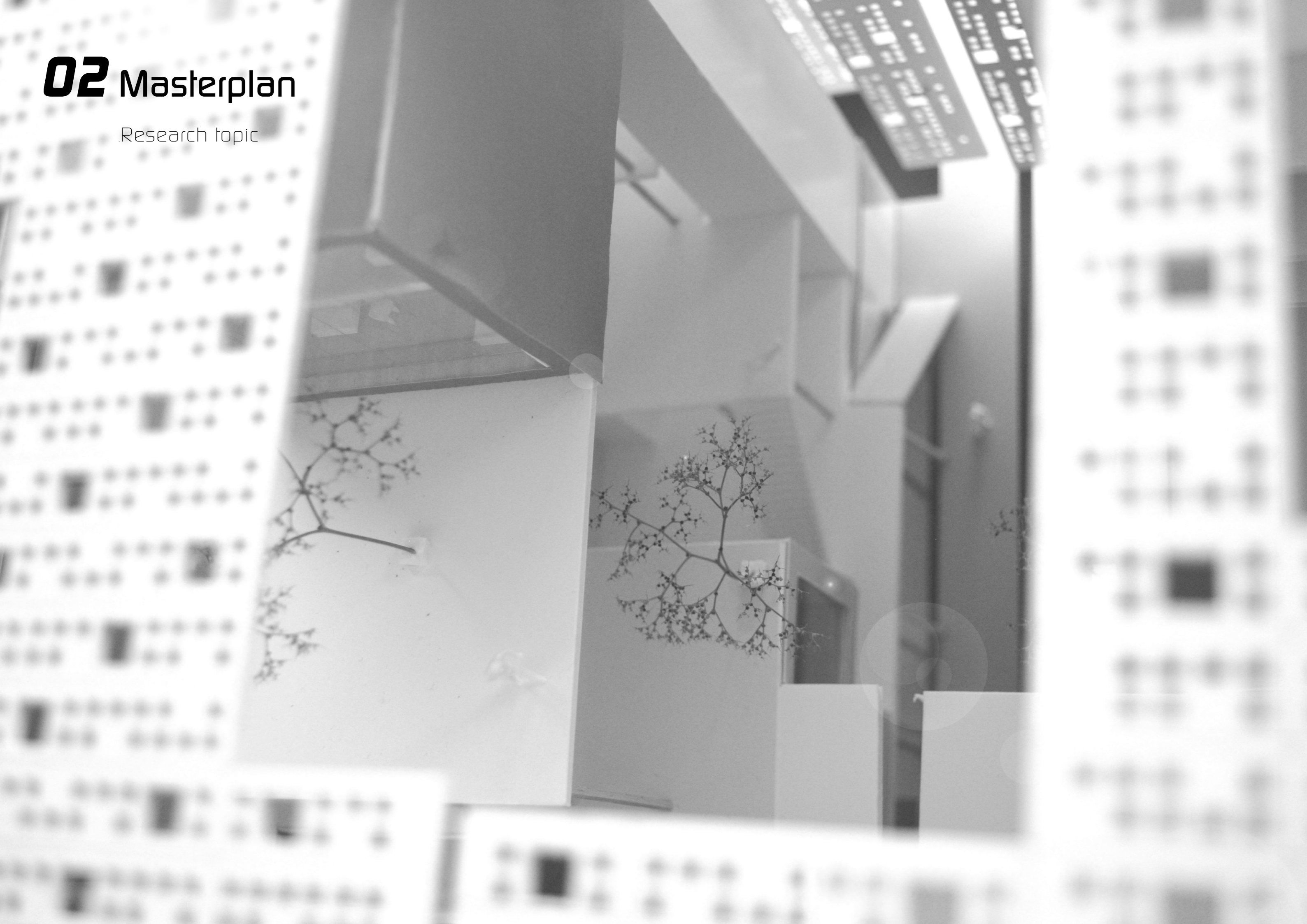
What is the impact of a multicultural society on its public realm?

# 02 Masterplan



# 02 Masterplan

Research topic



# **02** Masterplan

Research topic

## **Mapping Rotterdam and the city centre of**

- Multicultural increase in the last century
- Multicultural public use
- Available public space
- Use of available public space

# 02 Masterplan

Research topic

## **Mapping Rotterdam and the city centre of**

- Multicultural increase in the last century
- Multicultural public use
- Available public space
- Use of available public space

## **Aim is to understand the relation between**

- The multicultural society and the use of public realm
- The use of public realm and an attractive and coherence city centre

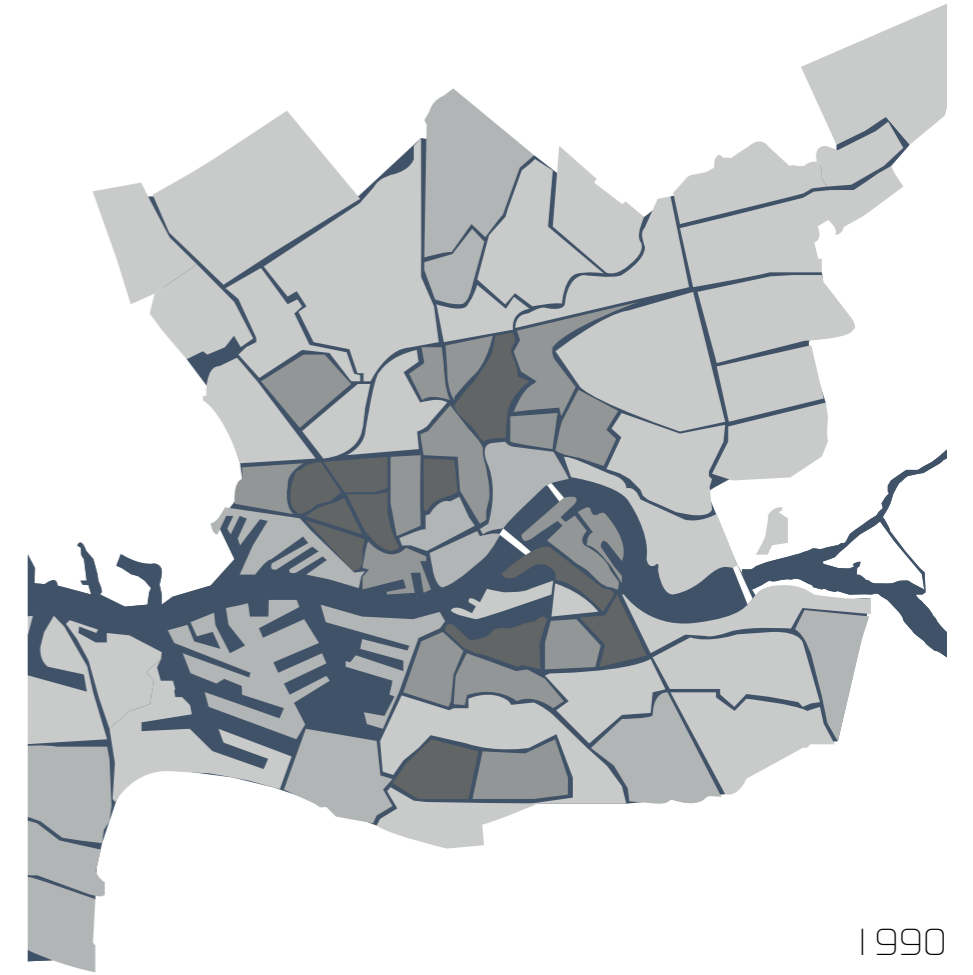
# 02 Masterplan

Research

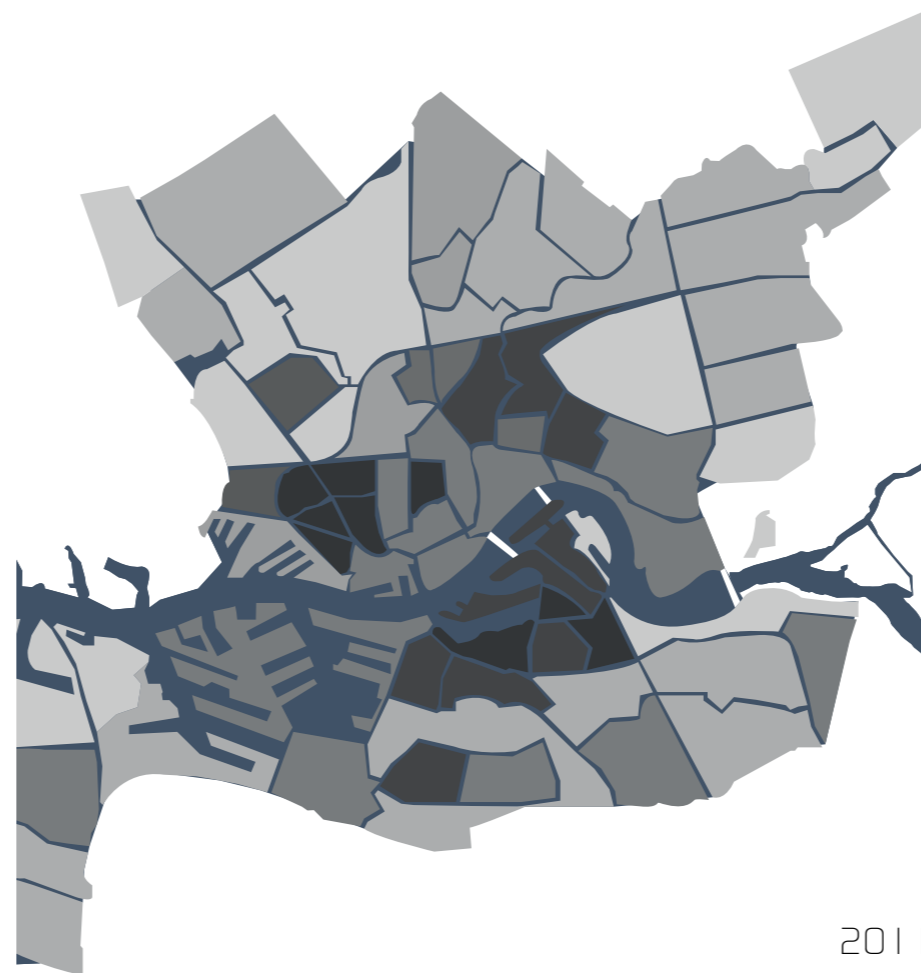
Multicultural increase in the last century



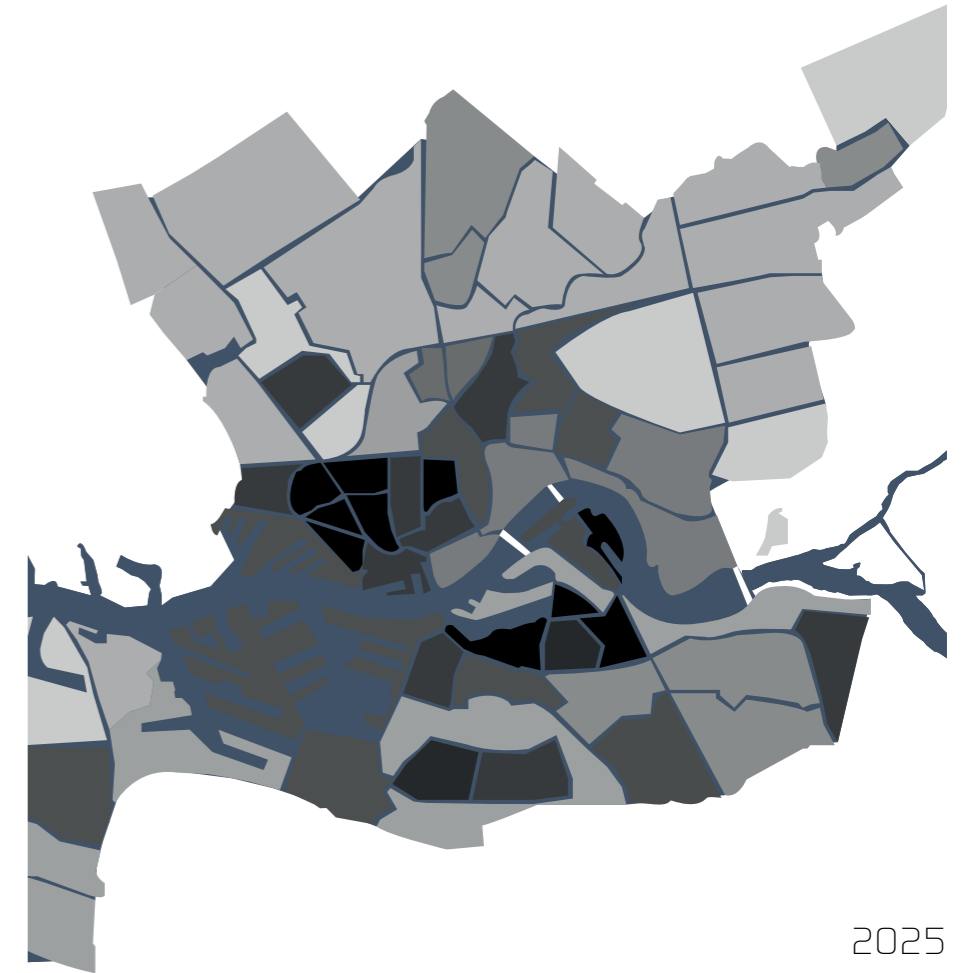
1965



1990



2011

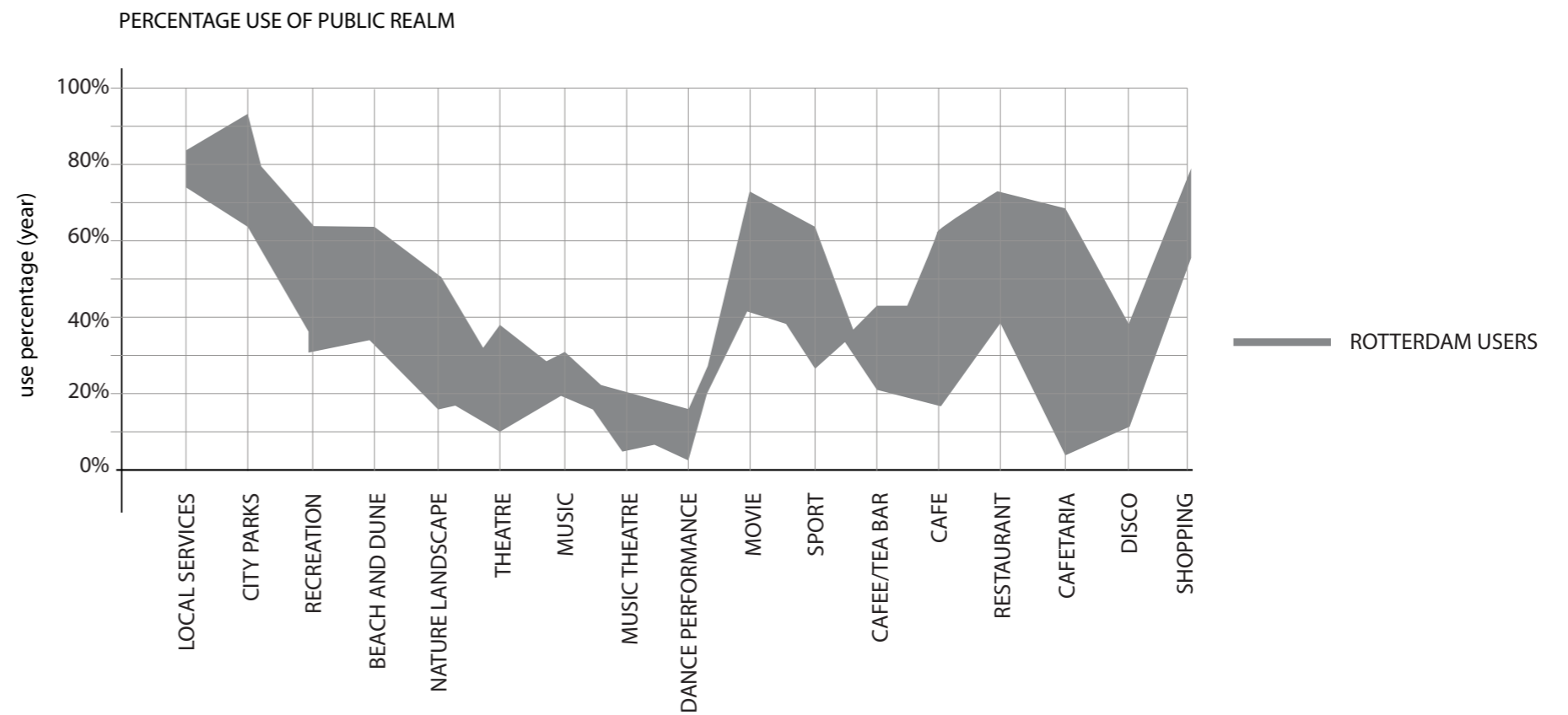
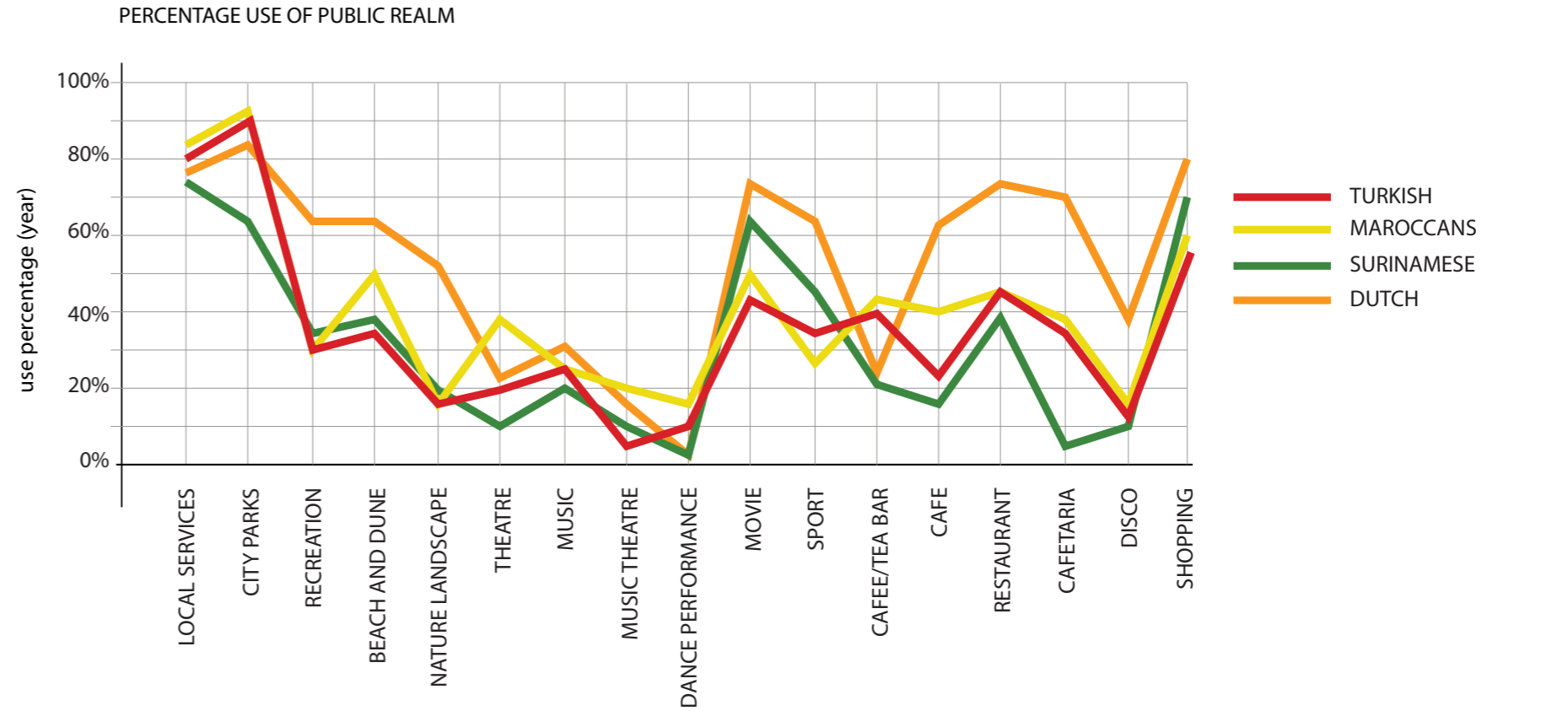


2025

# 02 Masterplan

Research

## Multicultural public use



# 02 Masterplan

Research

Available public space

Cool



| Percentage Functions area |      | Percentage Public Functions |      |
|---------------------------|------|-----------------------------|------|
|                           | 22%  |                             | 66%  |
|                           | 1,4% |                             | 4,2% |
|                           | 0,2% |                             | 0,6% |
|                           | 1,3% |                             | 3,8% |
|                           | 44%  |                             |      |
|                           | 2,2% |                             |      |
|                           | 18%  |                             |      |
|                           | 0,4% |                             | 1,3% |
|                           | 0%   |                             | 0%   |
|                           | 3%   |                             | 8,6% |
|                           | 2%   |                             | 6%   |
|                           | 0%   |                             | 0%   |
|                           | 3%   |                             | 9%   |
| vacant                    | 1,1% | vacant                      |      |
|                           | 0,1% |                             | 0,2% |
|                           | 2%   |                             |      |

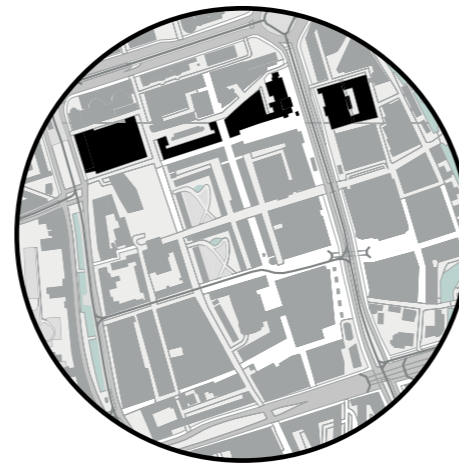


# 02 Masterplan

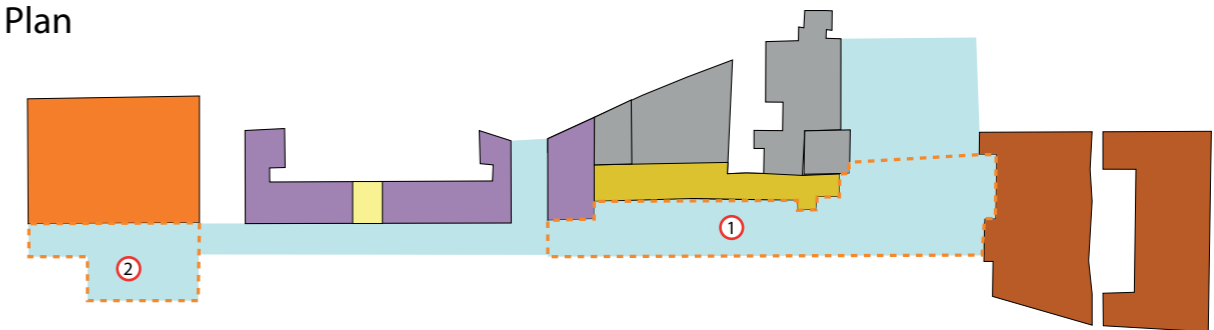
Research

Available public space

Lijnbaan

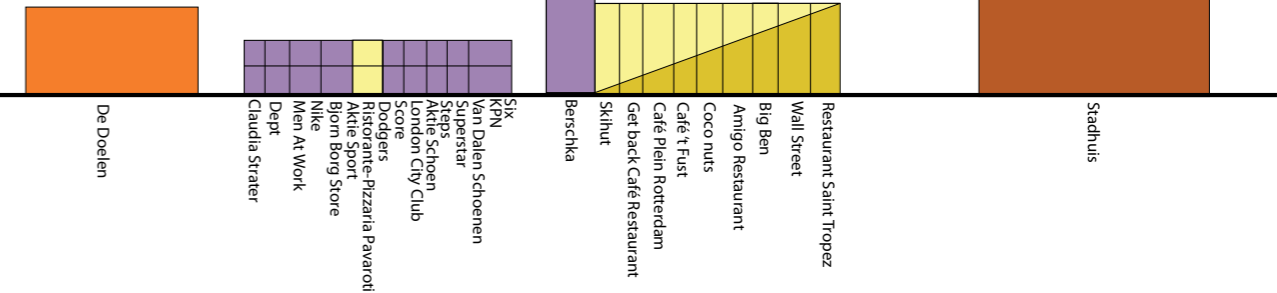


Plan

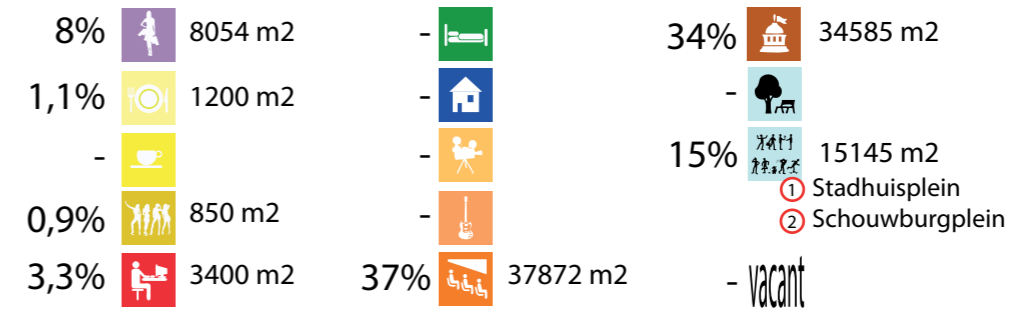


Function (facade view)

Korte Lijnbaan-Stadhuisplein North



Percentage Public Functions

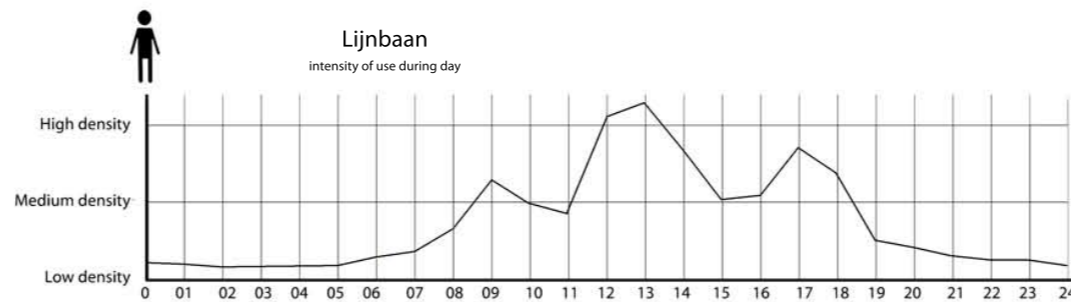


# 02 Masterplan

Research

Use of available public space

Lijnbaan



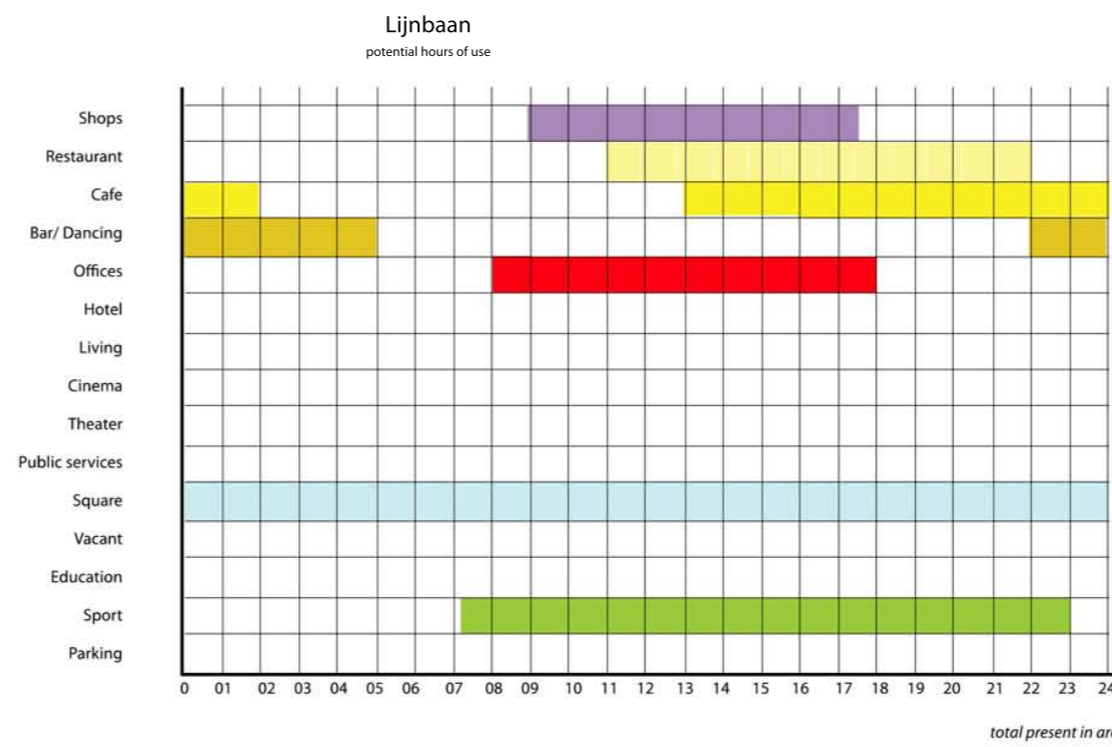
usage per function per ethnic group during daytime in total



usage per function per ethnic group during daytime in the public domain



usage per function per ethnic group during nighttime in the public domain



|                              | Dutch         | Maroccans     | Turkish       | Surinamese    |  | Dutch         | Maroccans     | Turkish       | Surinamese    |  | Dutch         | Maroccans     | Turkish       | Surinamese    |
|------------------------------|---------------|---------------|---------------|---------------|--|---------------|---------------|---------------|---------------|--|---------------|---------------|---------------|---------------|
| Shops                        | 15,00%        | 11,50%        | 10,00%        | 13,50%        |  | 22,50%        | 17,25%        | 15,00%        | 20,25%        |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Restaurant                   | 1,80%         | 1,13%         | 1,13%         | 0,95%         |  | 2,16%         | 1,35%         | 1,35%         | 1,14%         |  | 7,56%         | 4,73%         | 4,73%         | 3,99%         |
| Cafe                         | 0,43%         | 0,28%         | 0,16%         | 0,13%         |  | 0,43%         | 0,28%         | 0,16%         | 0,13%         |  | 0,86%         | 0,56%         | 0,32%         | 0,26%         |
| Bar/ Dancing                 | 1,68%         | 0,51%         | 0,42%         | 0,39%         |  | 1,68%         | 0,51%         | 0,42%         | 0,39%         |  | 8,40%         | 2,55%         | 2,10%         | 1,95%         |
| Offices                      | 26,97%        | 1,24%         | 0,93%         | 1,86%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Hotel                        | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Living                       | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Cinema                       | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Theater                      | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Public services              | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Square                       | 2,16%         | 2,43%         | 2,34%         | 2,07%         |  | 3,12%         | 3,51%         | 3,38%         | 2,99%         |  | 13,20%        | 14,85%        | 14,30%        | 12,65%        |
| Vacant                       | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |  | 0,00%         | 0,00%         | 0,00%         | 0,00%         |
| Education                    |               |               |               |               |  |               |               |               |               |  |               |               |               |               |
| Sport                        | 0,37%         | 0,16%         | 0,21%         | 0,26%         |  | 0,74%         | 0,32%         | 0,42%         | 0,52%         |  | 2,59%         | 1,12%         | 1,47%         | 1,82%         |
| Parking                      |               |               |               |               |  |               |               |               |               |  |               |               |               |               |
| <b>total present in area</b> | <b>48,41%</b> | <b>17,25%</b> | <b>15,19%</b> | <b>19,16%</b> |  | <b>30,63%</b> | <b>23,22%</b> | <b>20,73%</b> | <b>25,42%</b> |  | <b>32,61%</b> | <b>23,81%</b> | <b>22,92%</b> | <b>20,67%</b> |

# **02** Masterplan

Research

**Cool**, the city centre of Rotterdam

# **02** Masterplan

Research

## **Cool**, the city centre of Rotterdam

- has very **different** atmospheres at daytimes and nighttimes.

# 02 Masterplan

Research

## Cool, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is **no interaction**

# 02 Masterplan

Research

## **Cool**, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is no interaction
- is a functionally **fragmented** district

# 02 Masterplan

Research

## Cool, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is no interaction
- is a functionally fragmented district
- has an **unsafe** feeling, there is no night activity, thus **no social control**

# 02 Masterplan

Research

## Cool, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is no interaction
- is a functionally fragmented district
- has an unsafe feeling, there is no night activity, thus no social control
- lacks **awareness** of the users



# 02 Masterplan

Research

## Cool, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is no interaction
- is a functionally fragmented district
- has an unsafe feeling, there is no night activity, thus no social control
- lacks awareness of the users
- has **no connection** with the surrounding streets, very different atmospheres

# 02 Masterplan

## Research

### **Cool**, the city centre of Rotterdam

- has very different atmospheres at daytimes and nighttimes.
- has a very multicultural society, but there is no interaction
- is a functionally fragmented district
- has a unsafe feeling, there is no night activity, thus no social control
- lacks awareness of the users
- has no connection with the surrounding streets, very different atmospheres
- has mainly **non local** use

# **02** Masterplan

Research

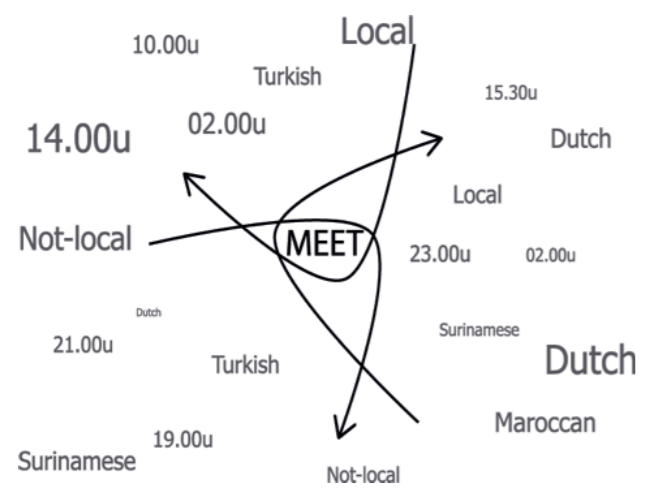
The **design** opportunities

# 02 Masterplan

Research

## The design opportunities

- Implementing functions that stimulate a more **24 hour use**



# 02 Masterplan

Research

## The **design** opportunities

- Implementing functions that stimulate a more 24 hour use
- Create a place to **meet** and **hang out**

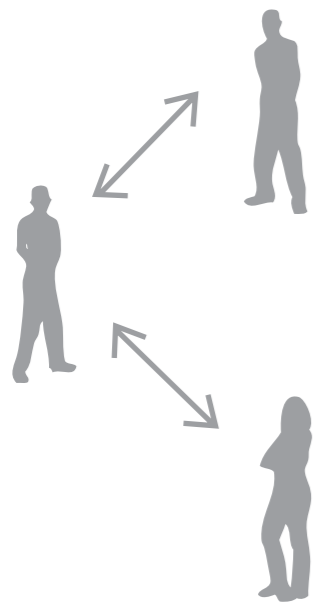


# 02 Masterplan

Research

## The **design** opportunities

- Implementing functions that stimulate a more 24 hour use
- Create a place to meet and hang out
- Stimulate **local use** for more **social awareness**



# 02 Masterplan

Research

## The **design** opportunities

- Implementing functions that stimulate a more 24 hour use
- Create a place to meet and hang out
- Stimulate local use for more social awareness
- Introduce a **variety of functions** to attract a more **diverse** user group



# 02 Masterplan

Research

## The **design** opportunities

- Implementing functions that stimulate a more 24 hour use
- Create a place to meet and hang out
- Stimulate local use for more social awareness
- Introduce a variety of functions to attract a more diverse user group
- Make **connection** with surroundings





# **02** Masterplan

Design Lijnbaan

The **design** concept

# **02** Masterplan

Design Lijnbaan

## The **design** concept

Important to make translation of our research on multicultural use into our concept

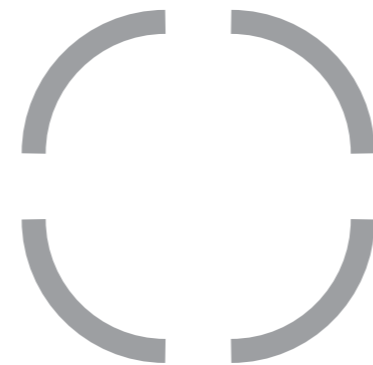
# 02 Masterplan

Design Lijnbaan

## The **design** concept

Important to make translation of our research on multicultural use into our concept

We don't want to put emphasis on the cultural differences....



# 02 Masterplan

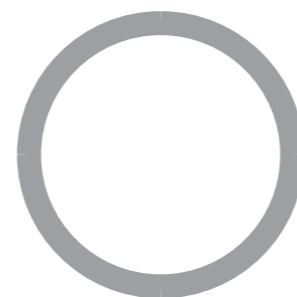
Design Lijnbaan

## The **design** concept

Important to make translation of our research on multicultural use into our concept

We don't want to put emphasis on the cultural differences....

.....but also look at things that could bind.



# 02 Masterplan

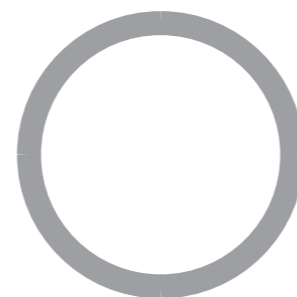
Design Lijnbaan

## The **design** concept

Important to make translation of our research on multicultural use into our concept

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.....but also look at things that could bind. **Connect !**



# 02 Masterplan

Design Lijnbaan

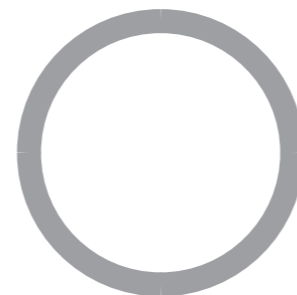
## The **design** concept

Important to make translation of our research on multicultural use into our concept

We don't want to put emphasis on the cultural differences....

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**How can we make people more aware of one another?**



# 02 Masterplan

Design Lijnbaan

## The **design** concept

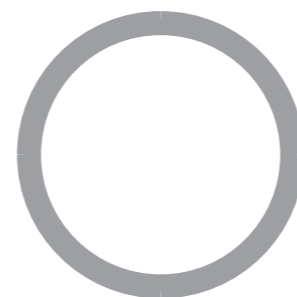
Important to make translation of our research on multicultural use into our concept

We don't want to put emphasis on the cultural differences....

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## How can we make people more aware of one another?

Every culture has....



# 02 Masterplan

Design Lijnbaan

## The **design** concept

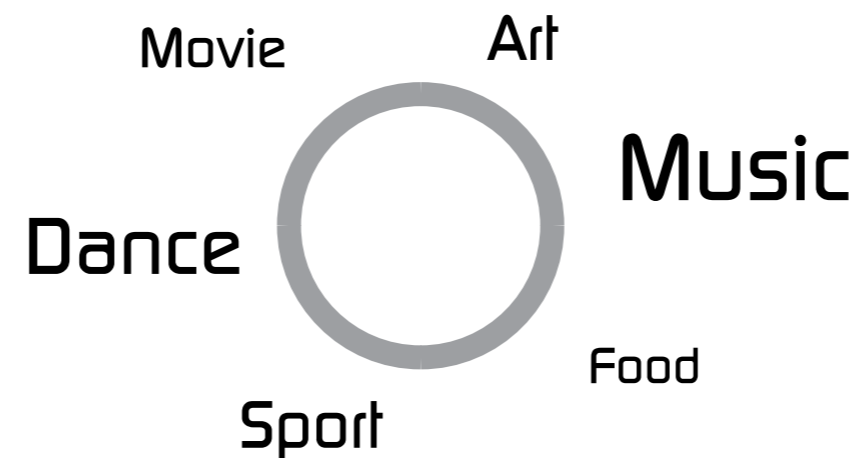
Important to make translation of our research on multicultural use into our concept

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How can we make people more aware of one another?

Every culture has....





# **02** Masterplan

Design Lijnbaan

The **design** concept

A Central 'stage' where every cultural expression creates awareness for its visitors

# **02** Masterplan

Design Lijnbaan

The **design** concept

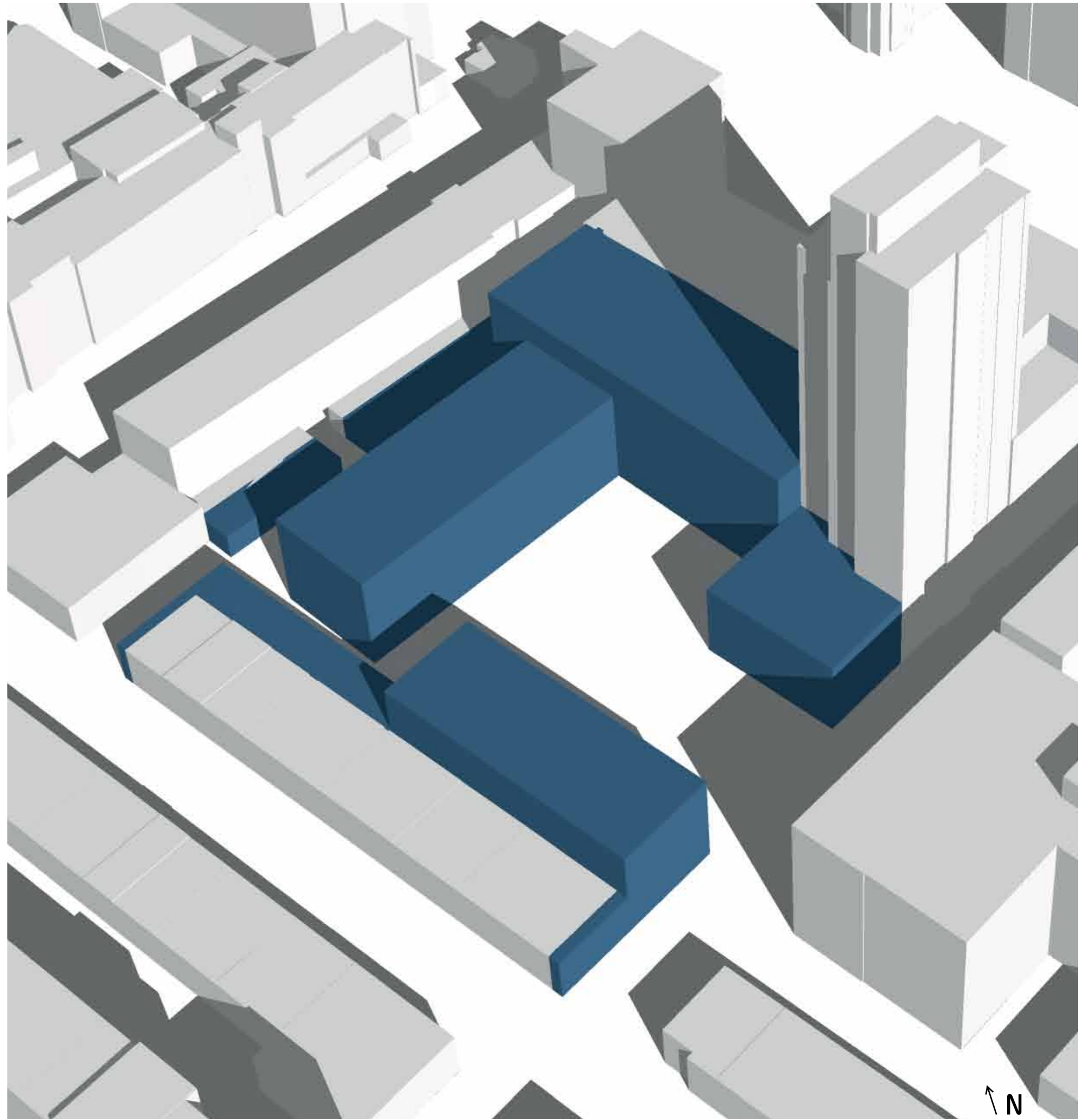
A Central 'stage' where every cultural expression creates awareness for its visitors

**THE CULTURAL EXPERIENCE**

# 02 Masterplan

THE CULTURAL EXPERIENCE

Introduction



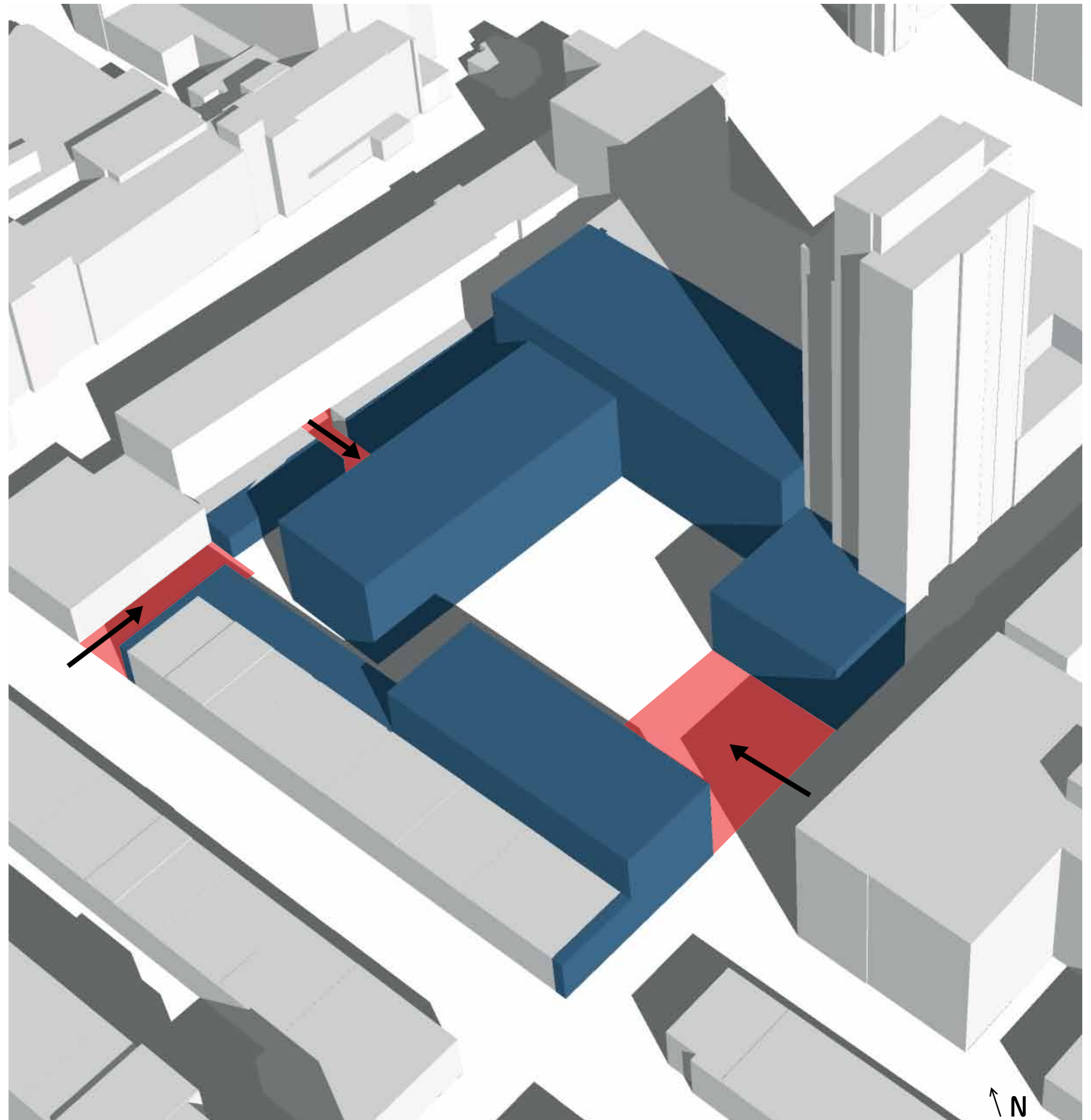
# 02 Masterplan

THE CULTURAL EXPERIENCE

## Access

How to **enter** the area is of utmost importance!

You enter a new place, from one sphere into another



# 02 Masterplan

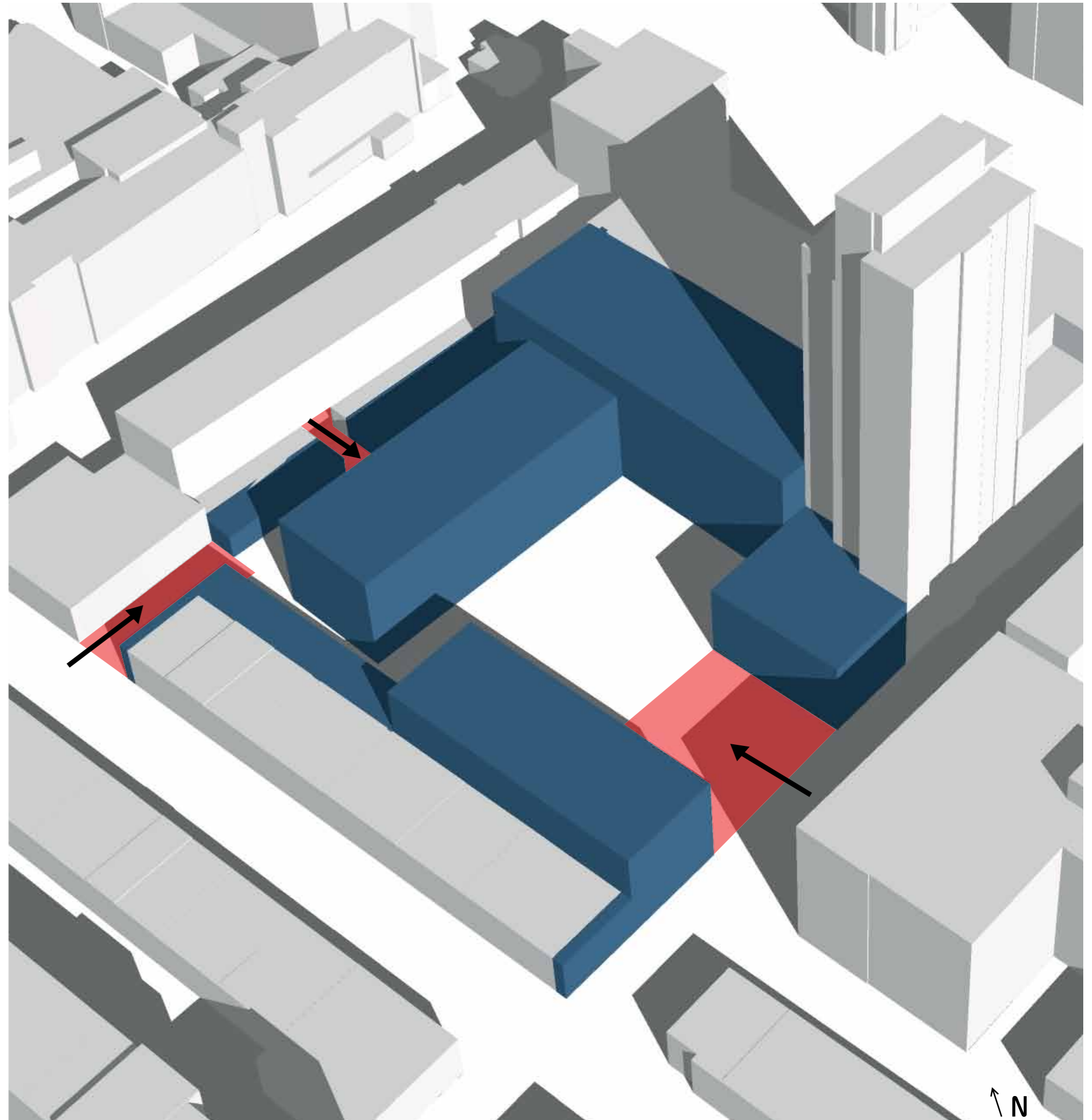
THE CULTURAL EXPERIENCE

## Access

How to enter the area is of utmost importance!

You enter a new place, from one sphere into another

The **red** areas are **transition** areas which give a **smooth entrance** to the new 'cultural experience' inside.

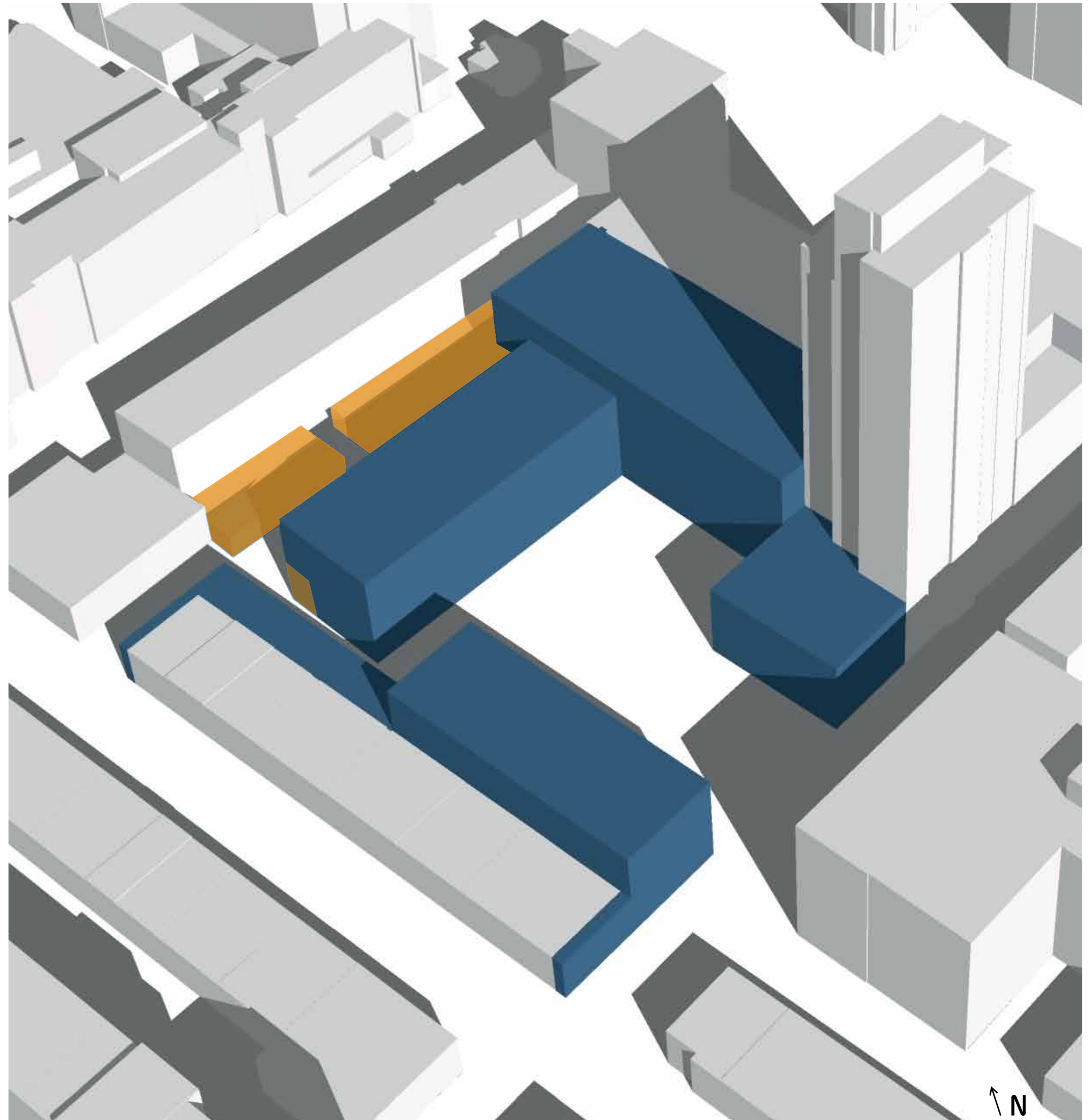


# 02 Masterplan

THE CULTURAL EXPERIENCE

## Diningstreet

Connection with Stadhuisplein and Lijnbaan

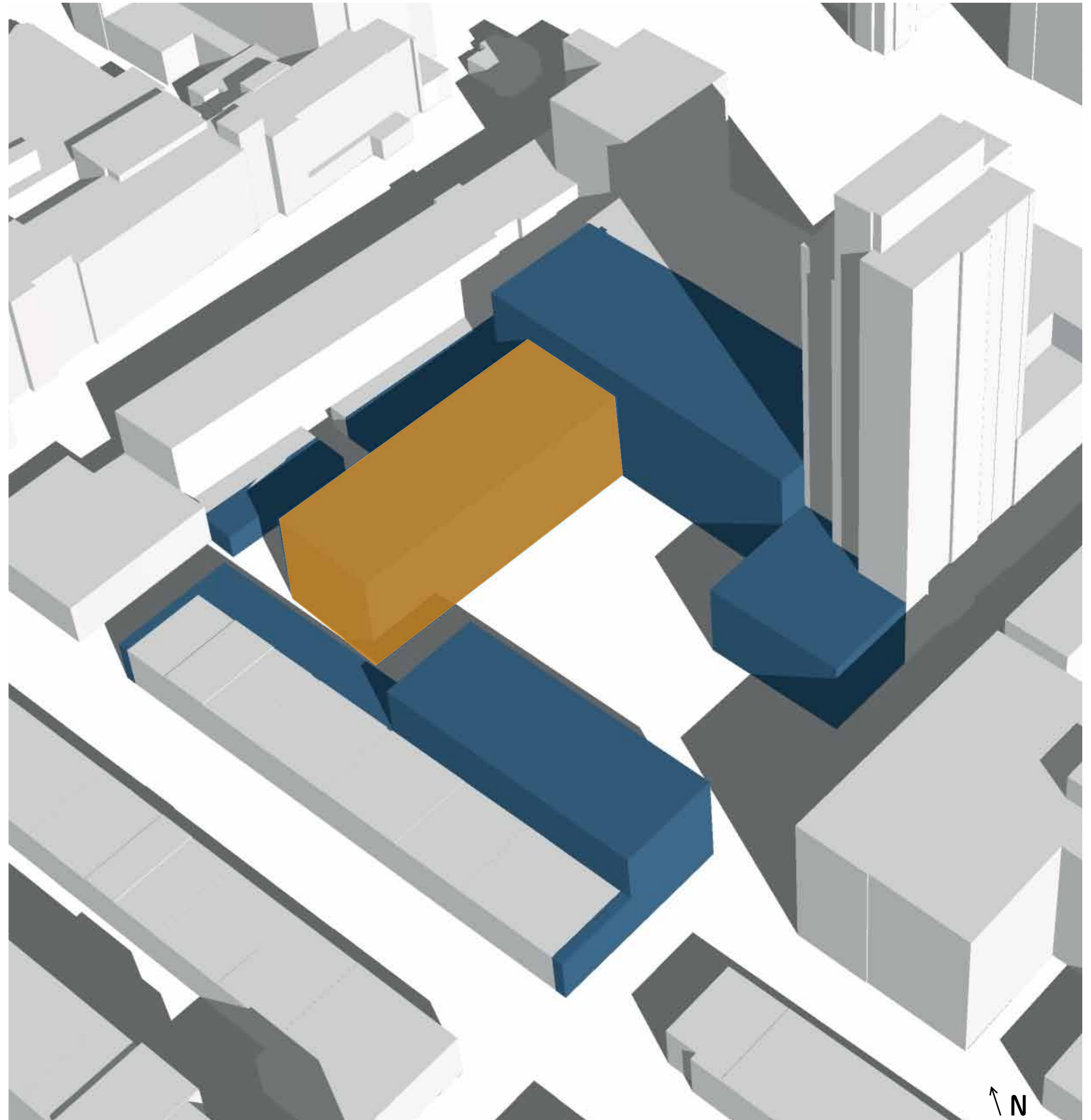


# 02 Masterplan

THE CULTURAL EXPERIENCE

Design masterplan

Music experience

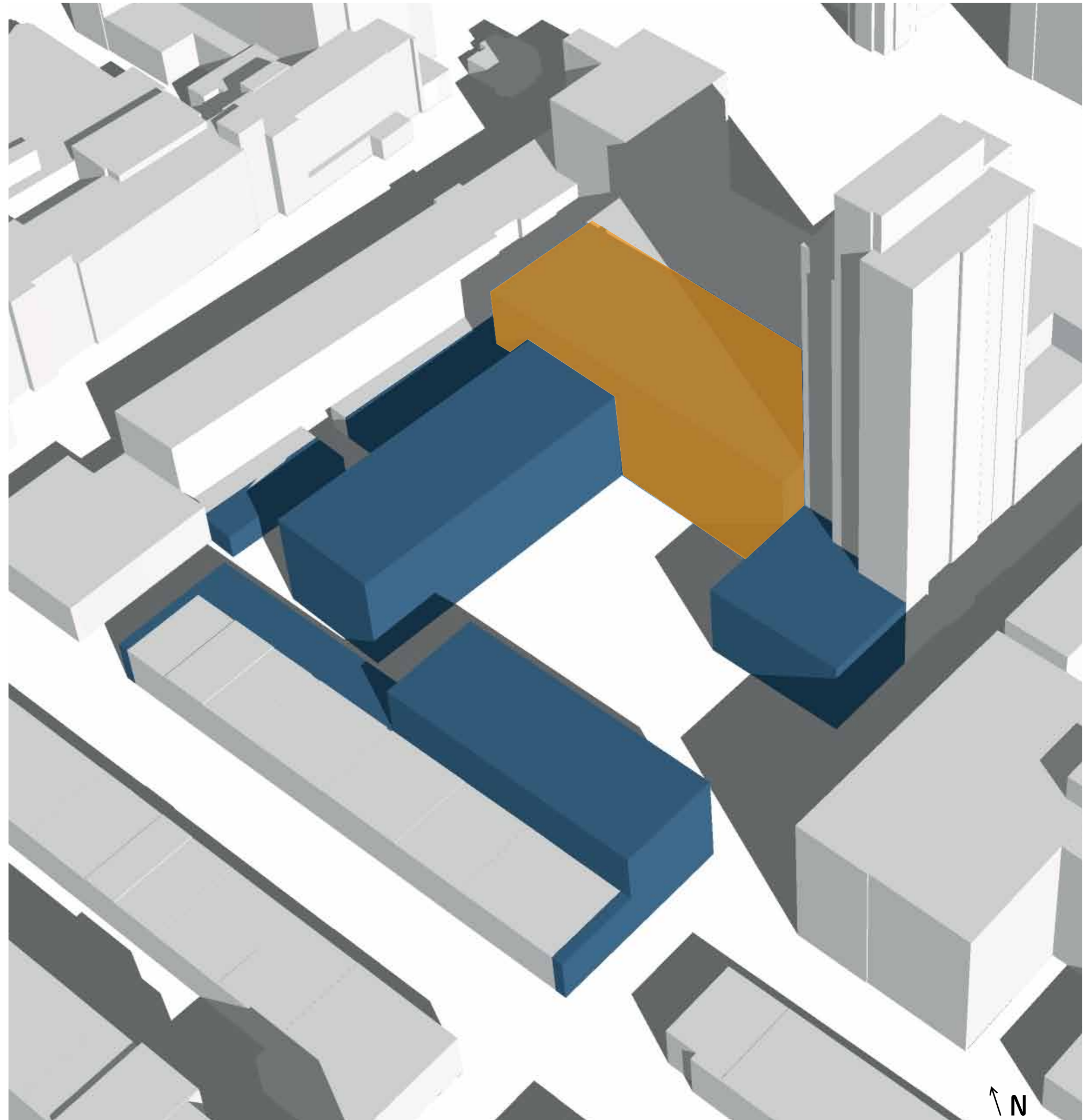


# 02 Masterplan

THE CULTURAL EXPERIENCE

Design masterplan

Sport/dance experience



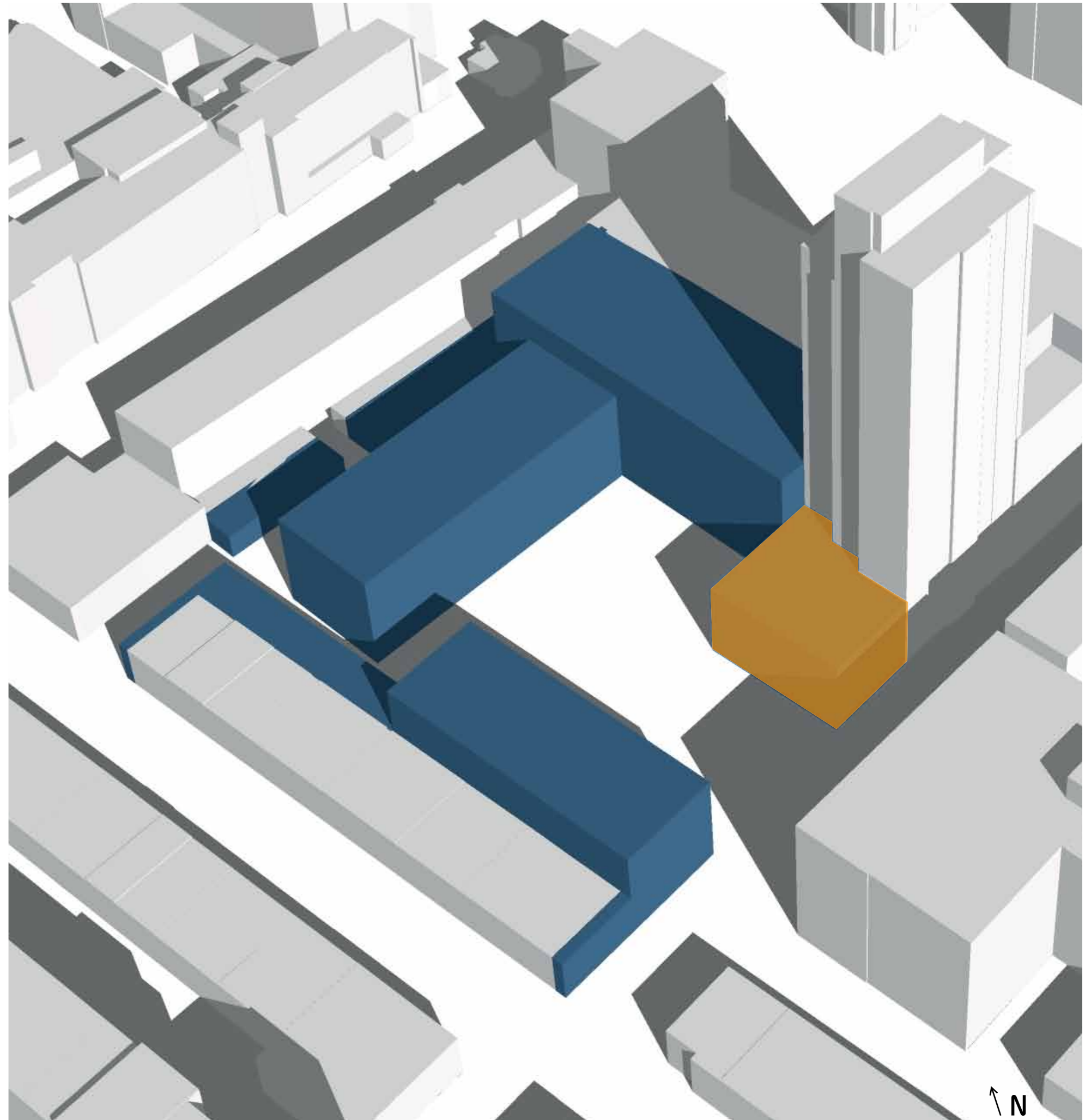


# 02 Masterplan

THE CULTURAL EXPERIENCE

Design masterplan

Movie experience

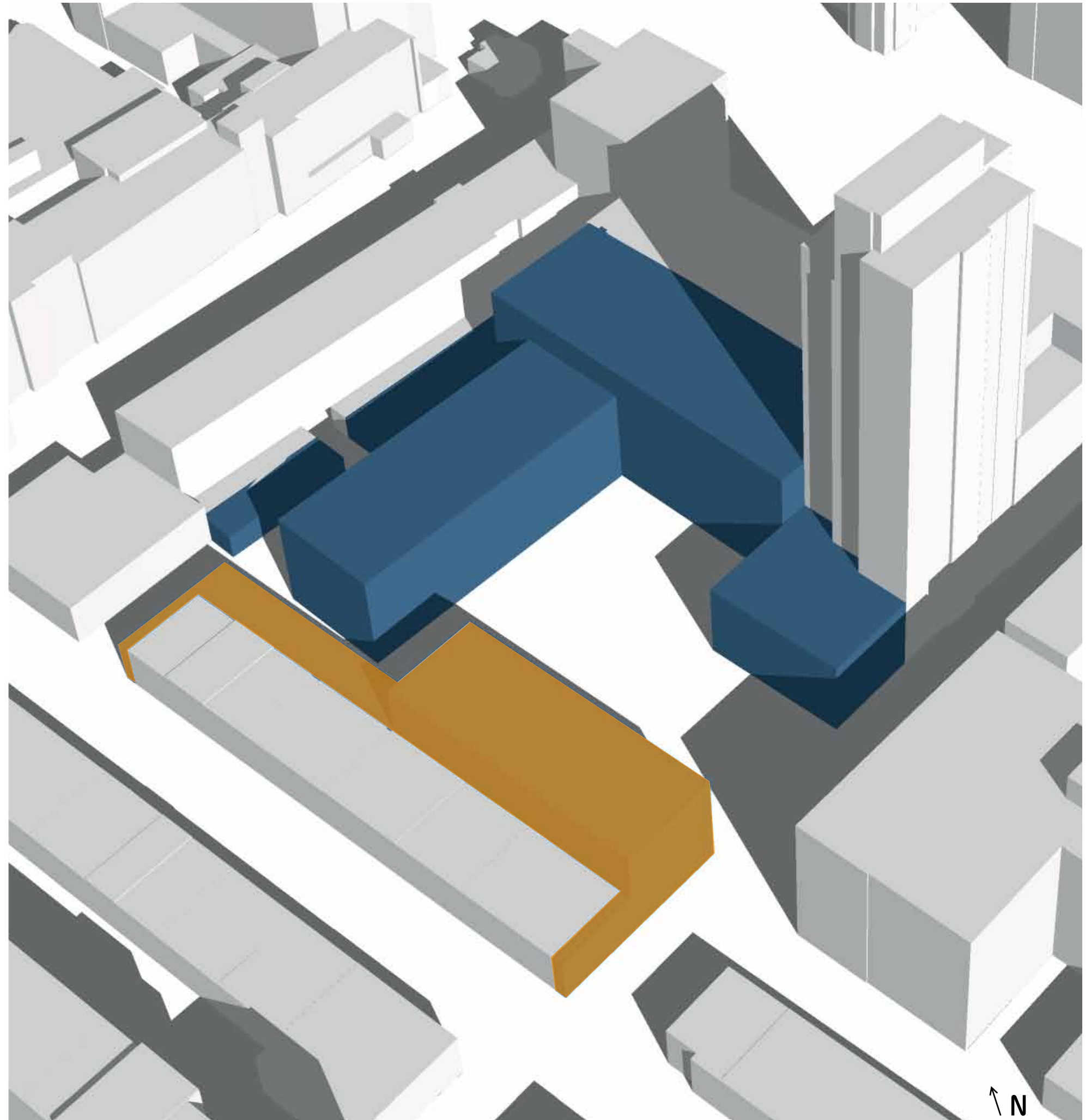


# 02 Masterplan

THE CULTURAL EXPERIENCE

Design masterplan

Art experience



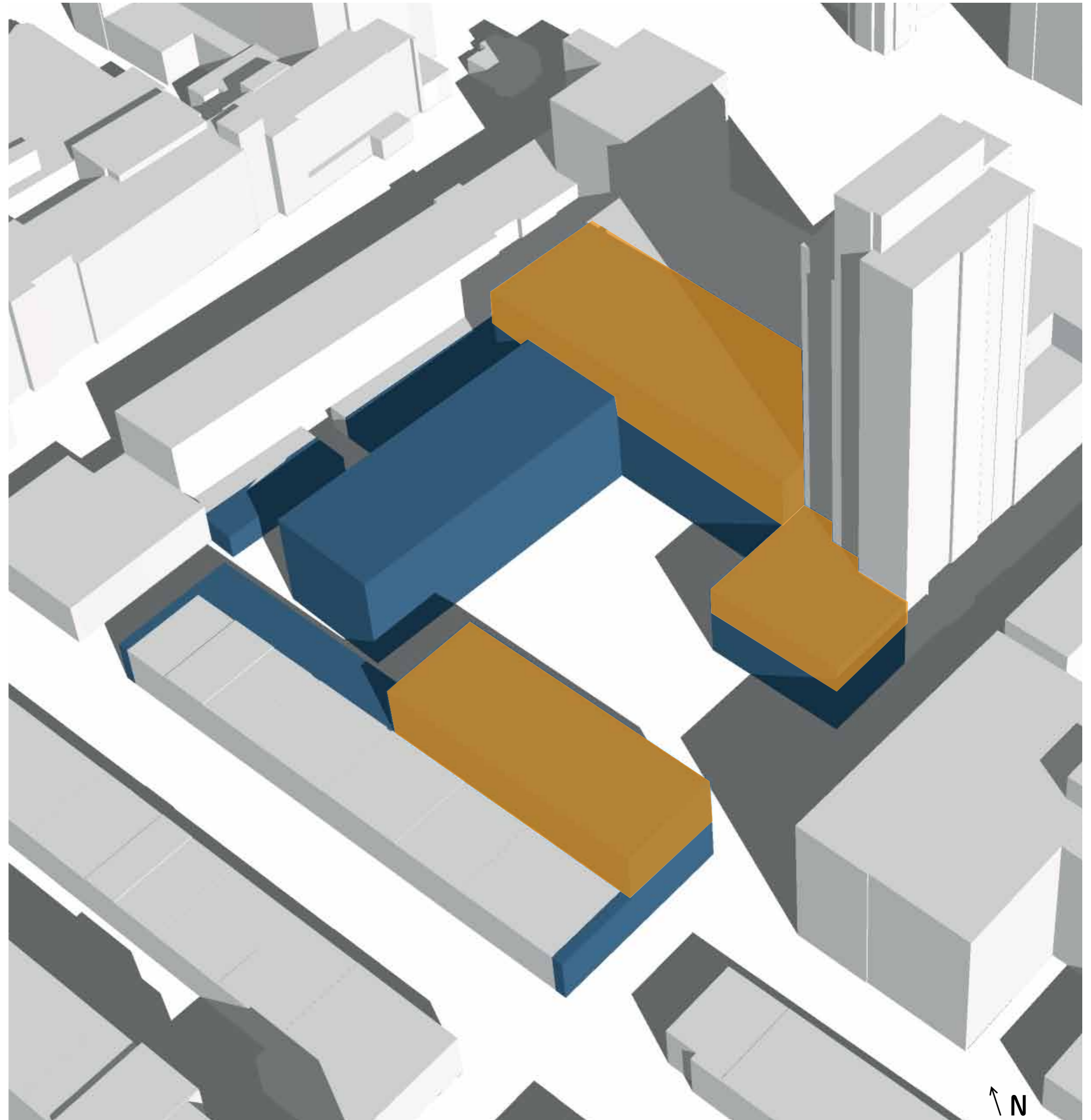
# 02 Masterplan

THE CULTURAL EXPERIENCE

## Design masterplan

Living

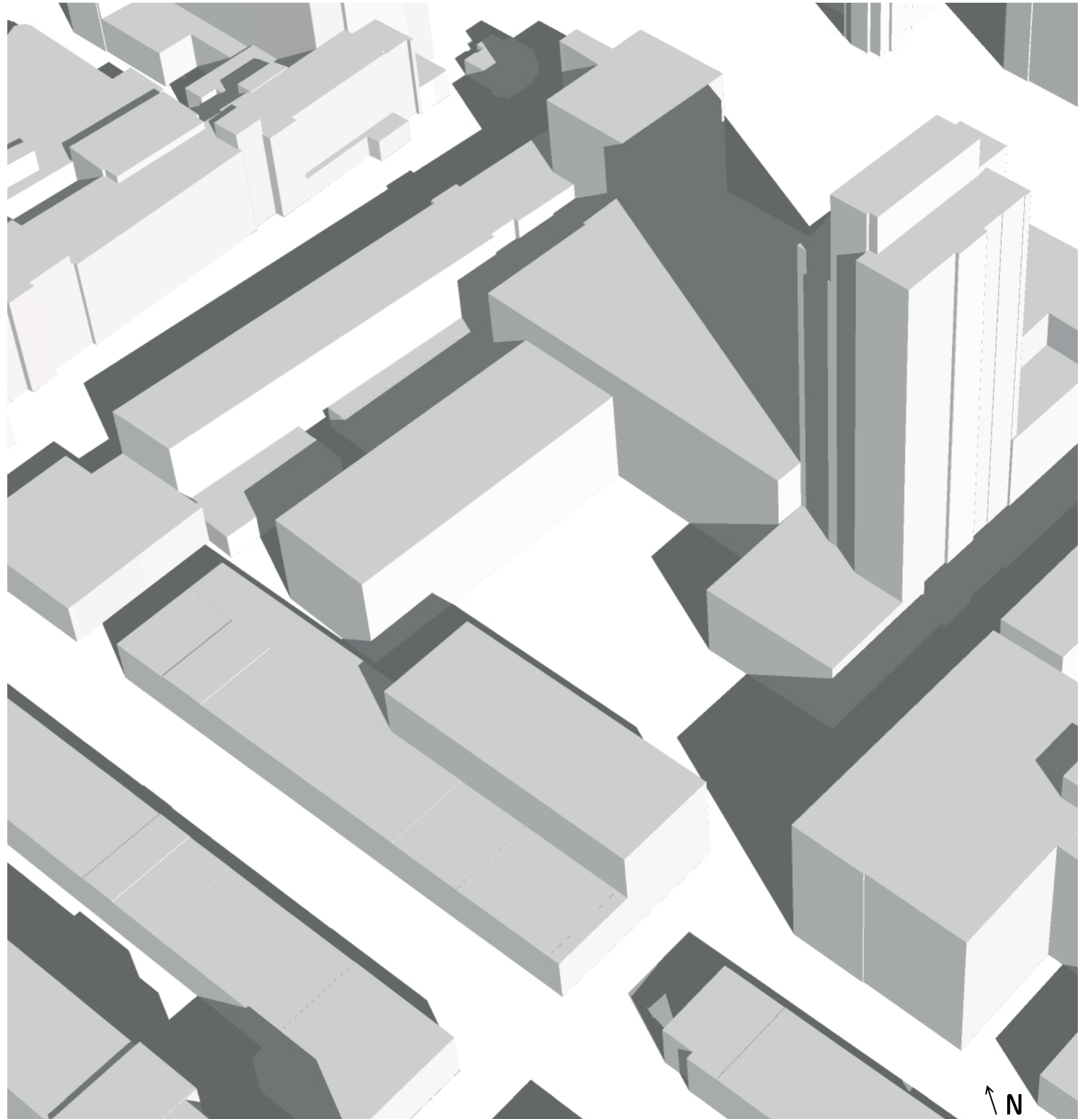
> social awareness



# 02 Masterplan

THE CULTURAL EXPERIENCE

Design masterplan

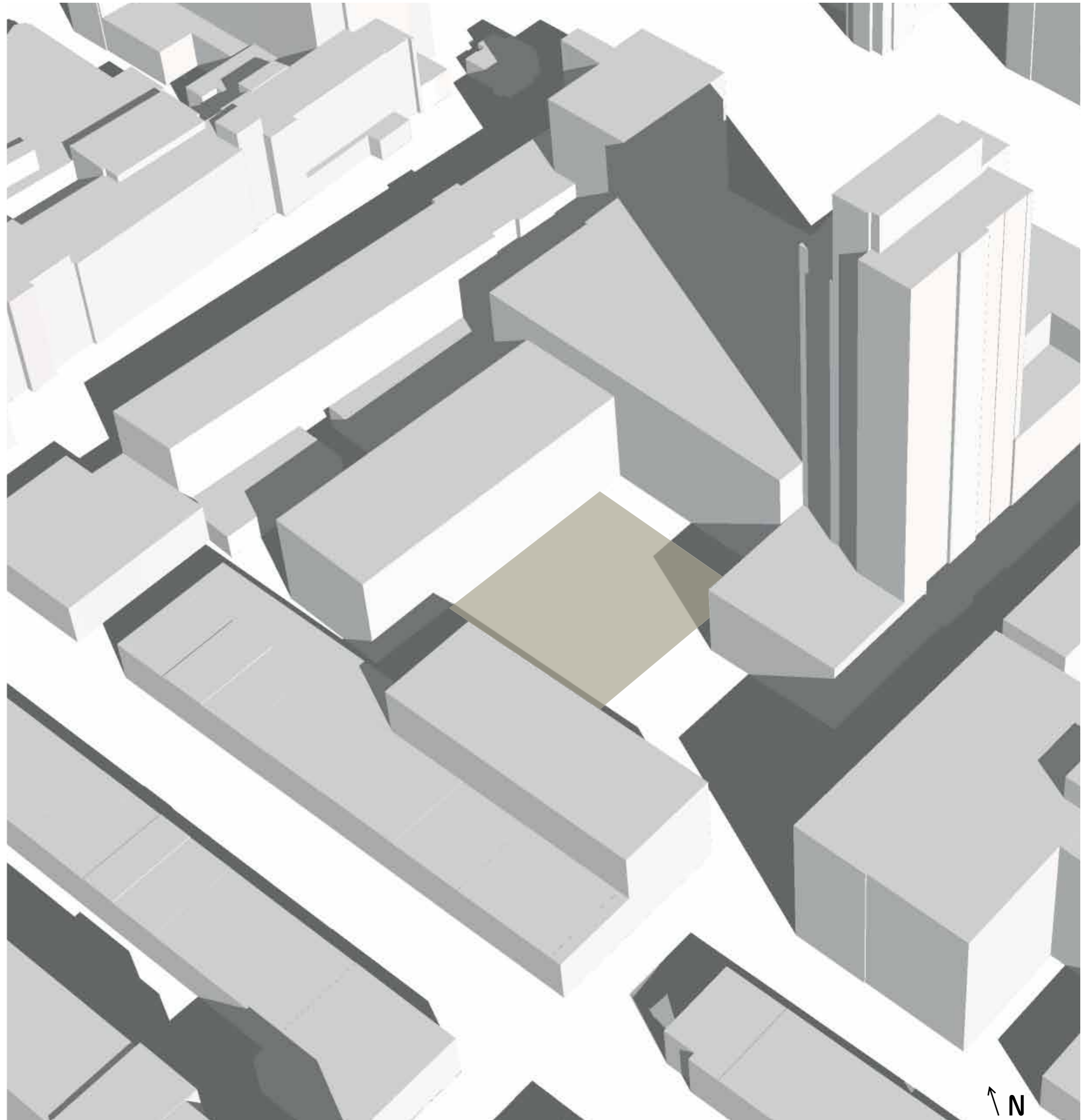


# 02 Masterplan

THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point



# 02 Masterplan

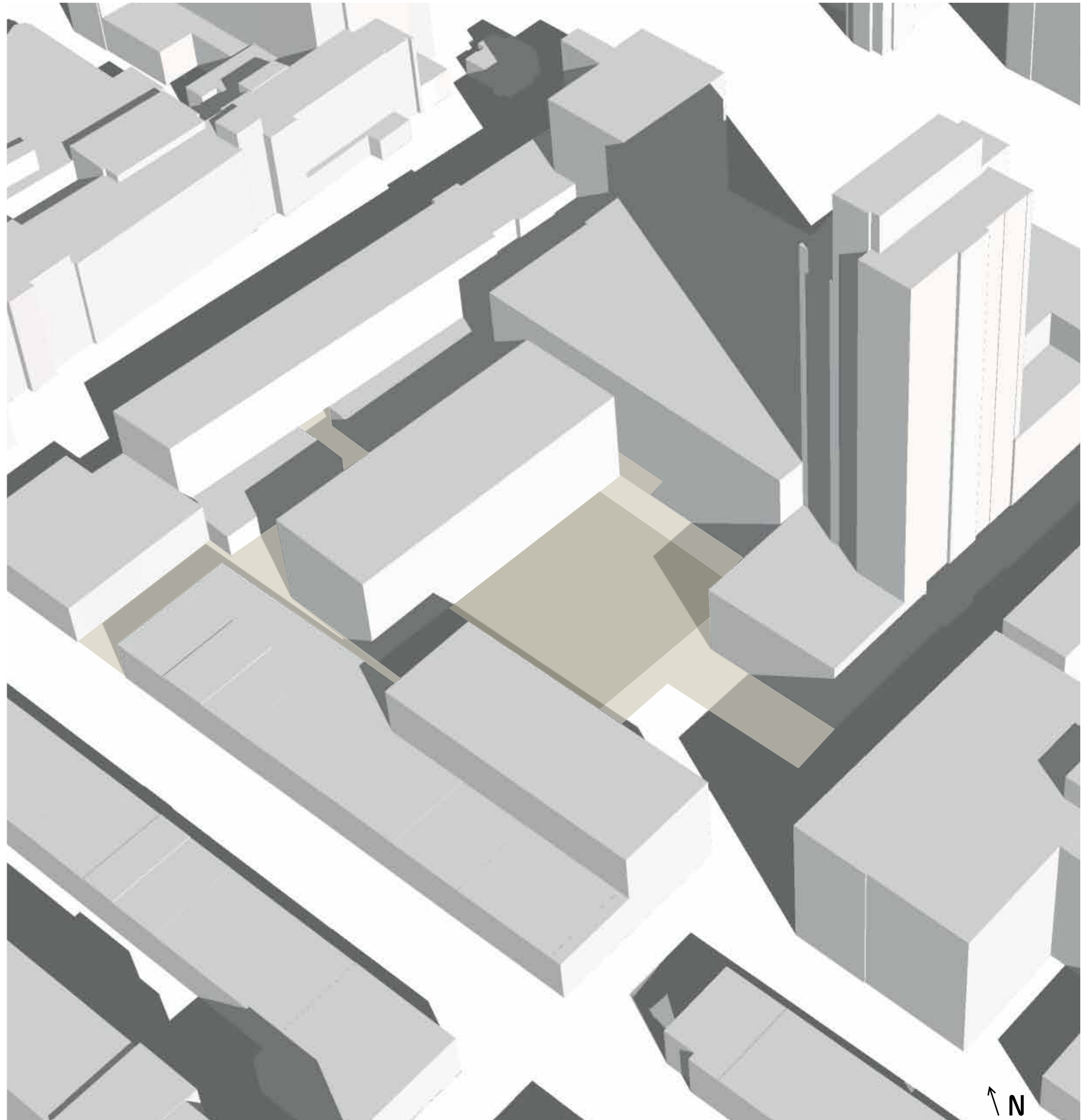
THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point

## Walkingpad

- Leads you through the masterplan



# 02 Masterplan

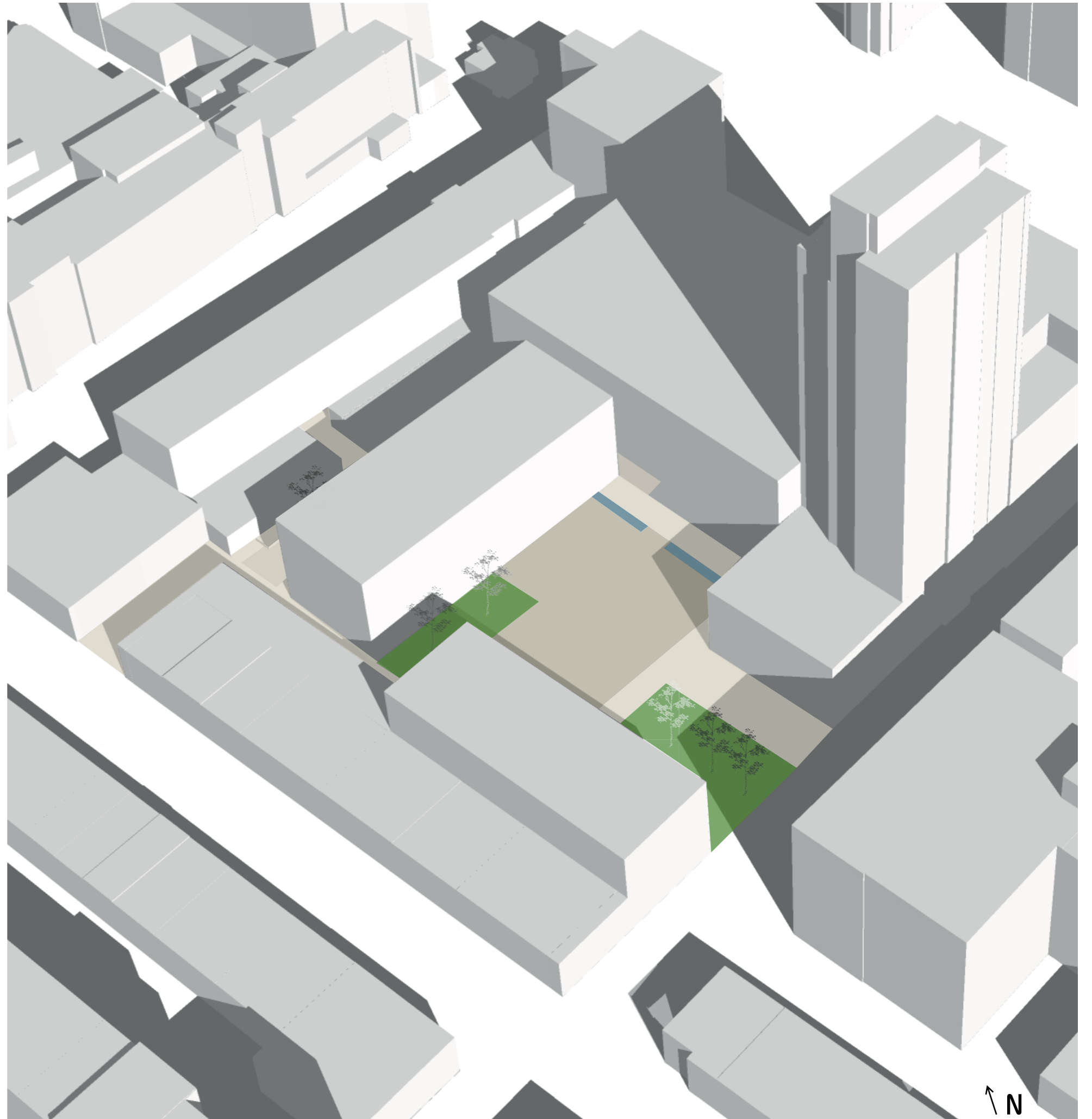
THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point

## Green + water

- Gives the masterpan atmosphere and quality



# 02 Masterplan

THE CULTURAL EXPERIENCE

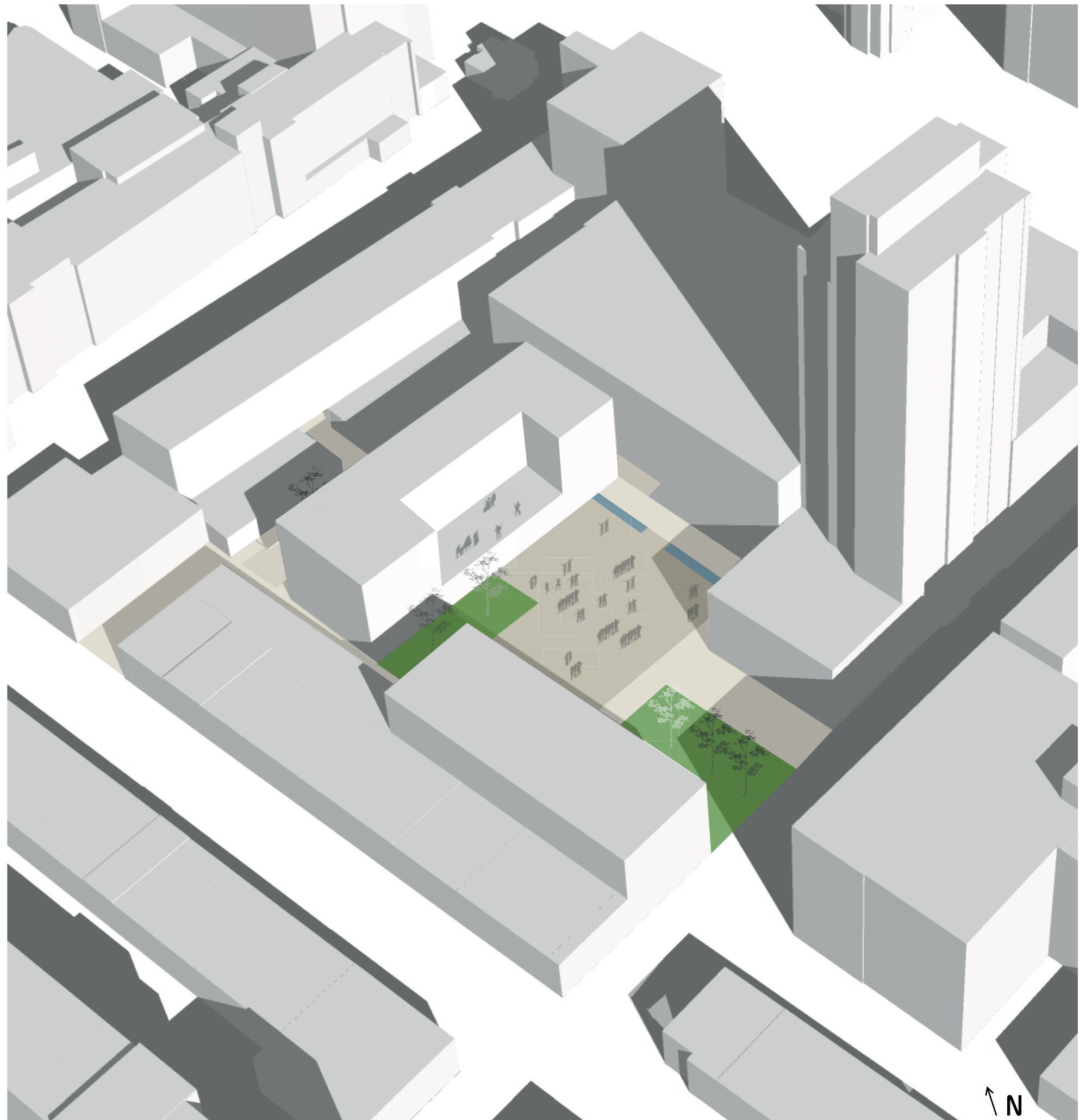
## Square

- Visible connection
- Important meeting and hang out point

## Central stage

- Every cultural expression creates awareness for its visitors

## Music experience





# 02 Masterplan

THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point

## Central stage

- Every cultural expression creates awareness for its visitors

## Sport/Dance experience



# 02 Masterplan

THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point

## Central stage

- Every cultural expression creates awareness for its visitors

## Movie experience



# 02 Masterplan

THE CULTURAL EXPERIENCE

## Square

- Visible connection
- Important meeting and hang out point

## Central stage

- Every cultural expression creates awareness for its visitors

## Art experience



# 02 Masterplan

THE CULTURAL EXPERIENCE

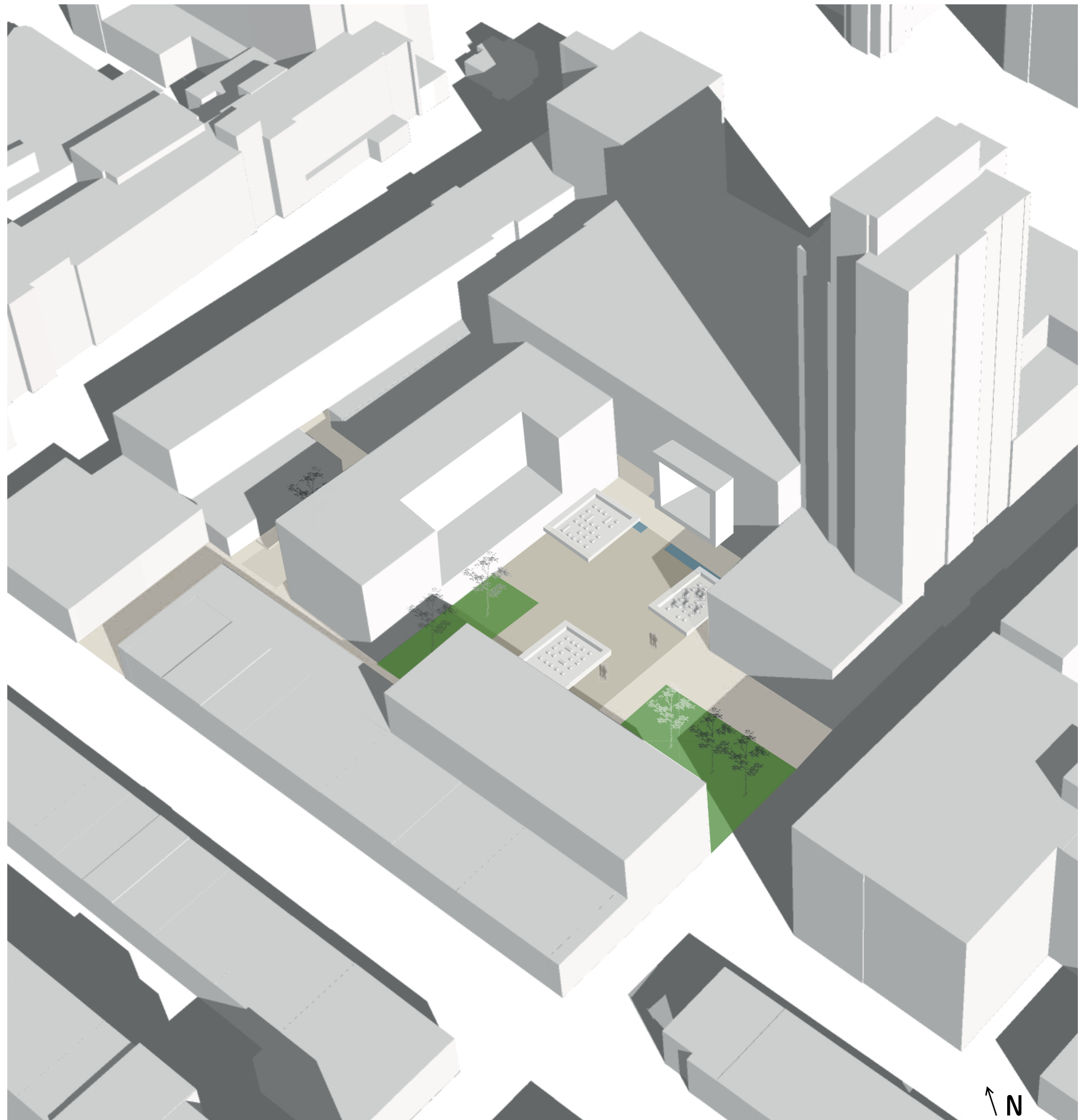
Plan



# **03** Design

# 03 Design

Location



# 03 Design

Location

Cultural experience

Dance/Sport



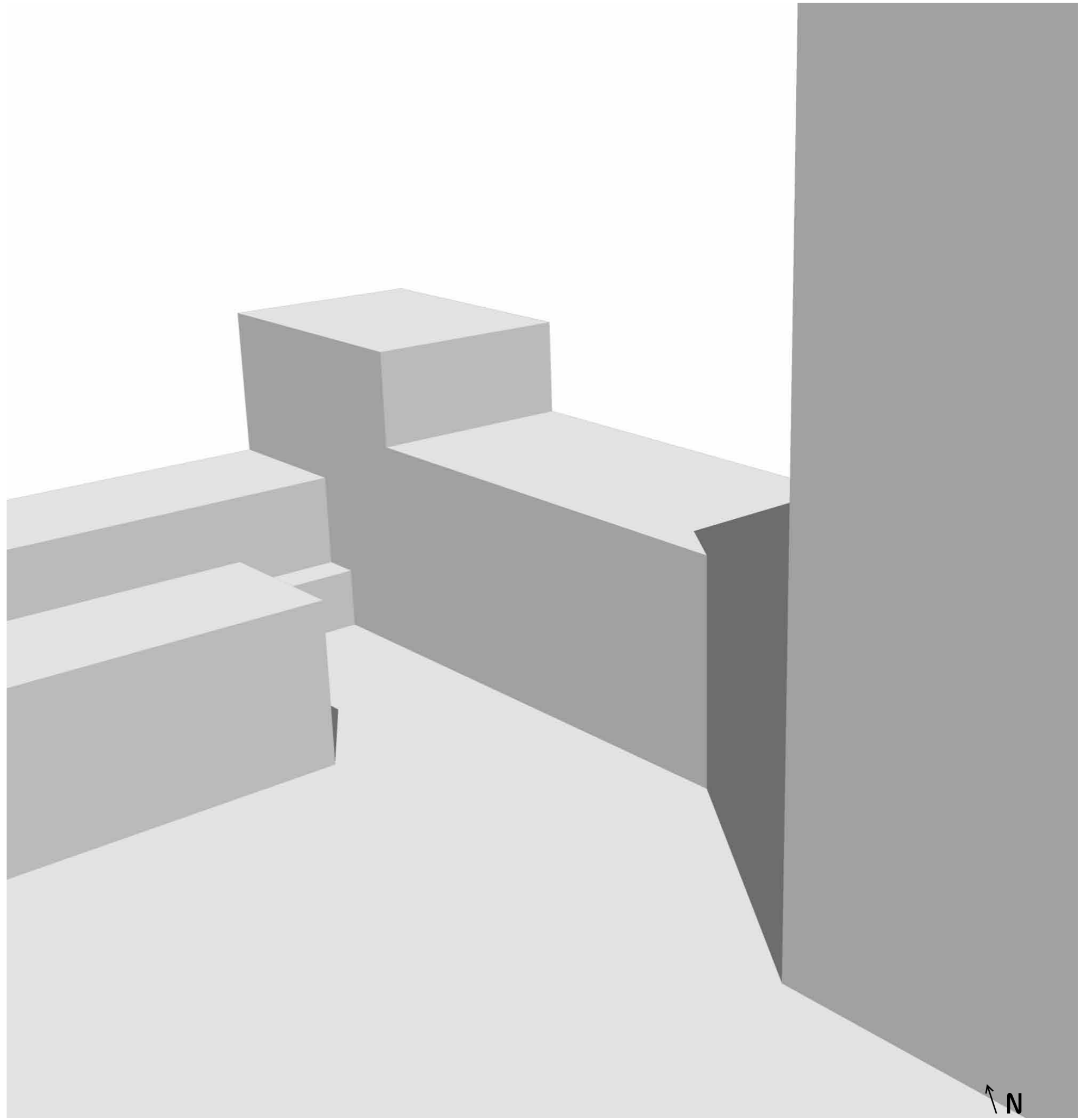
# **03** Design

Concept



# 03 Design

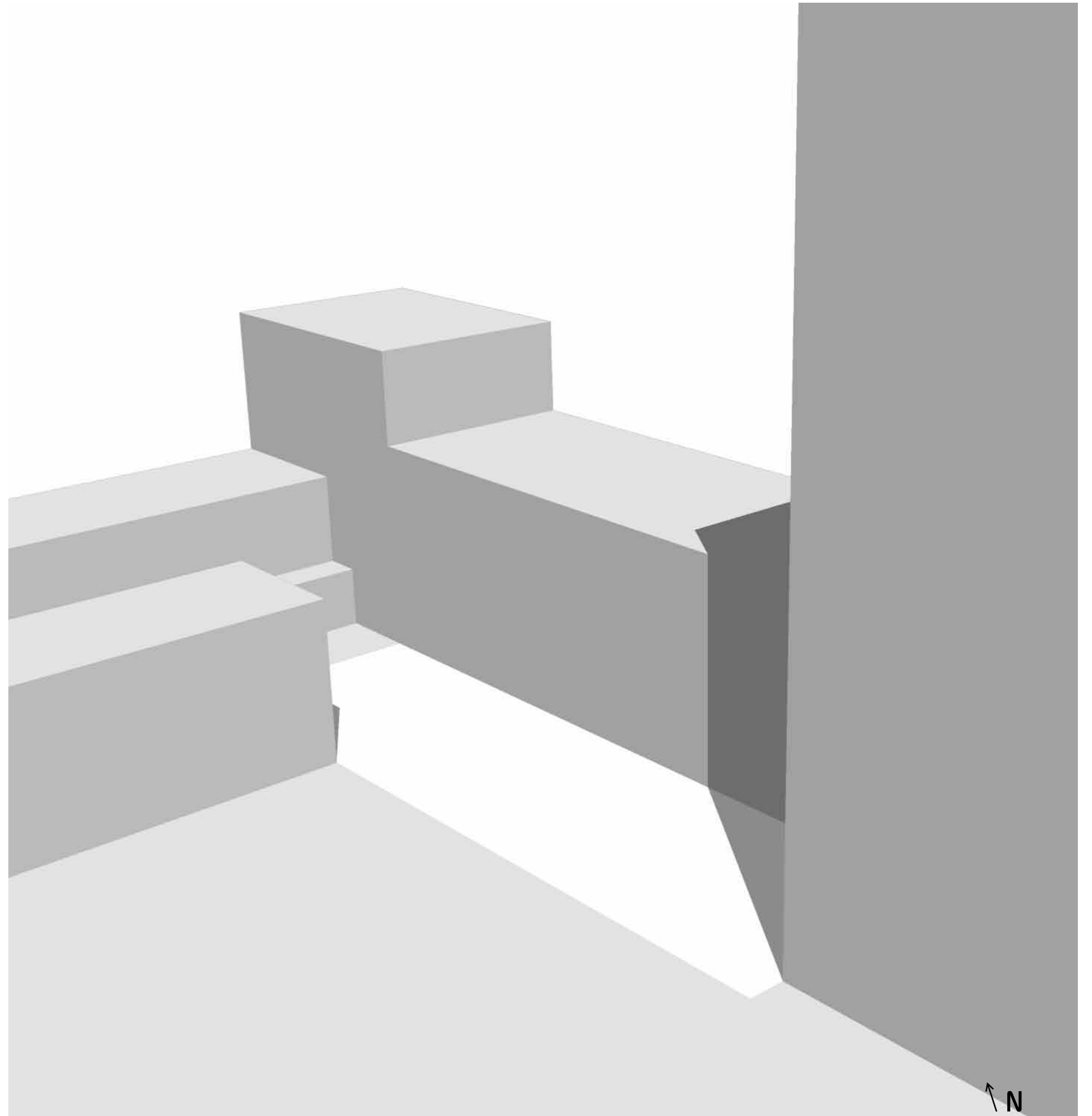
Concept



# 03 Design

Concept

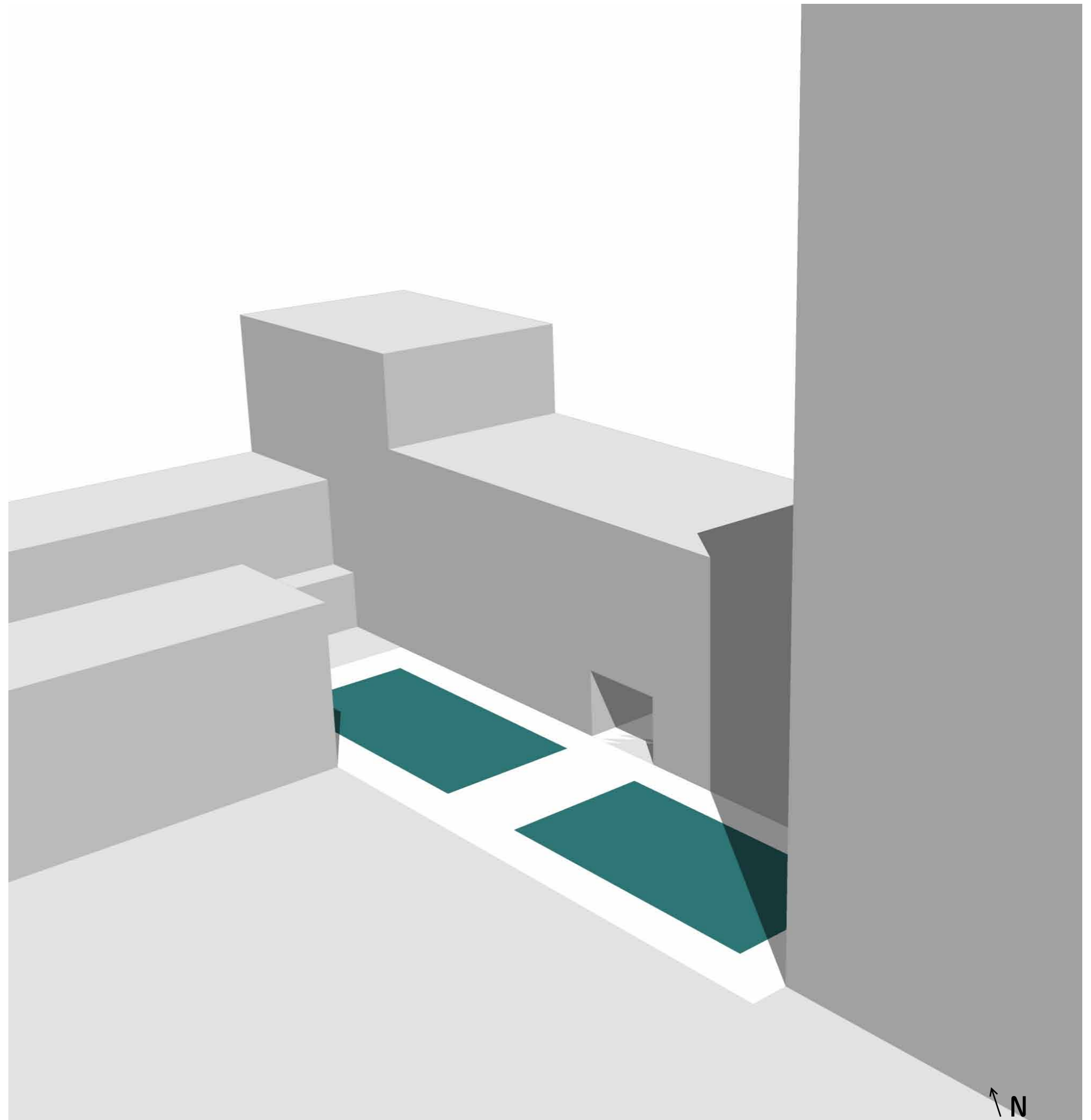
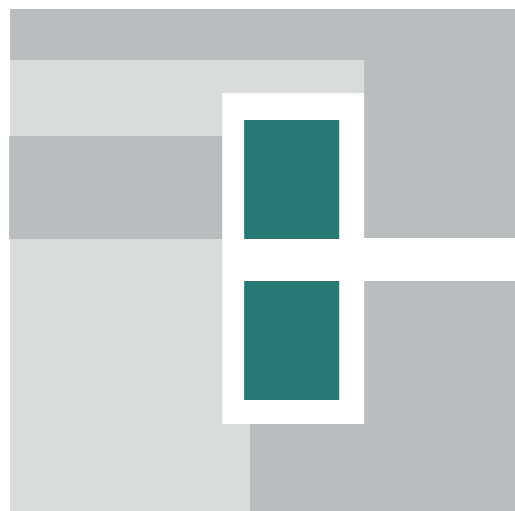
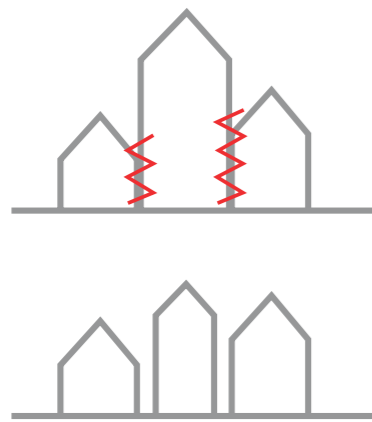
Location



# 03 Design

Concept

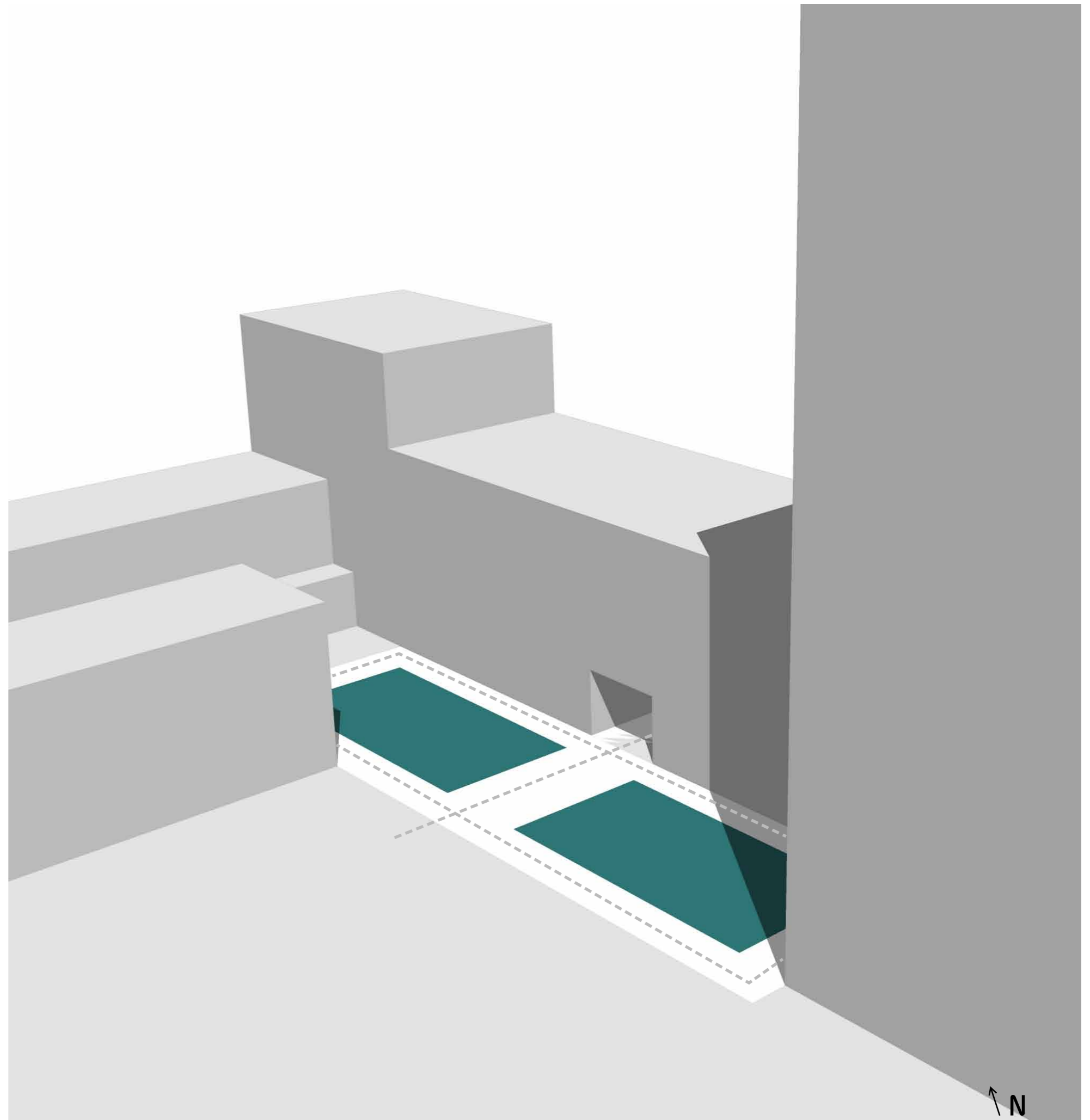
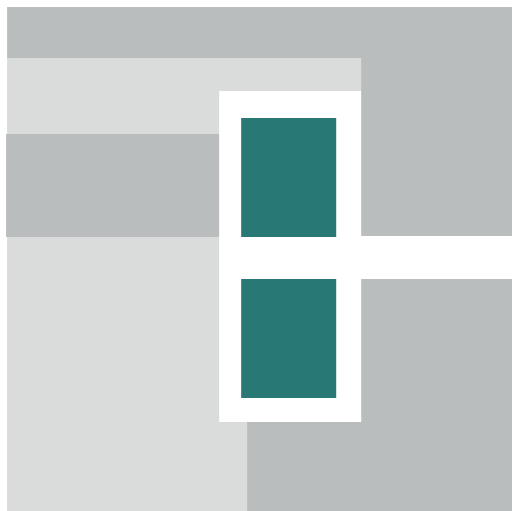
Respect for existing buildings



# 03 Design

Concept

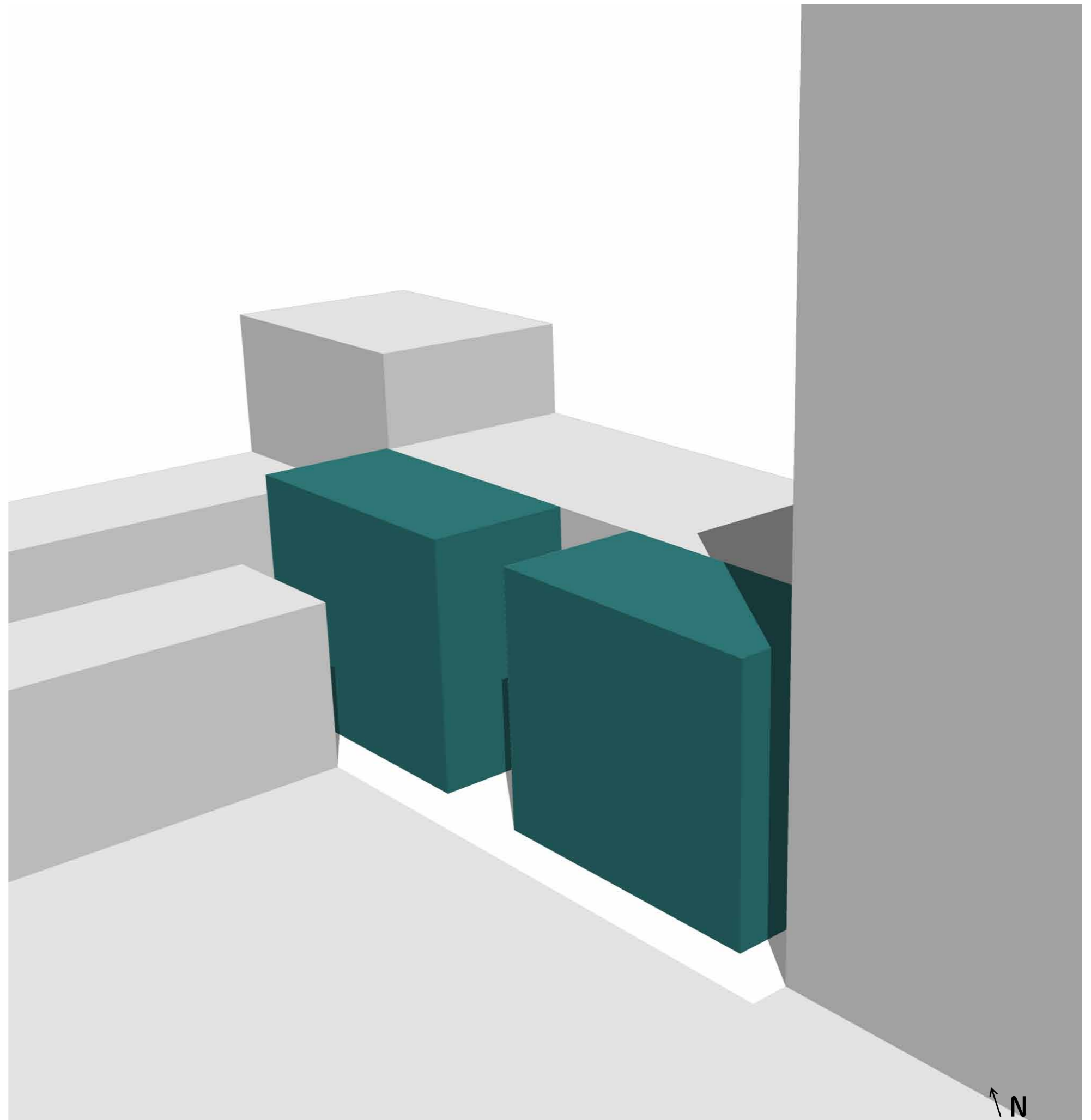
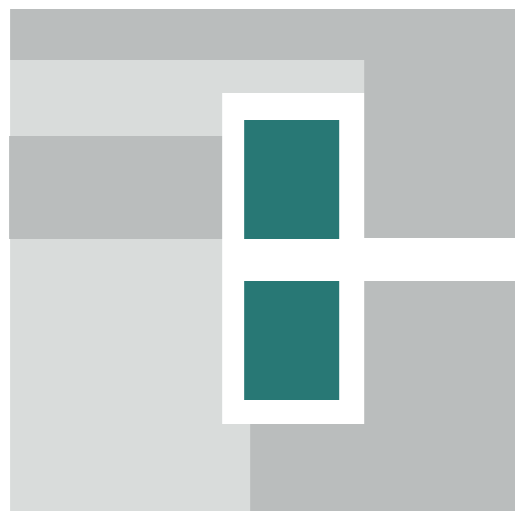
Walkingpath: connected to existing walkingpath



# 03 Design

Concept

Buildingmass



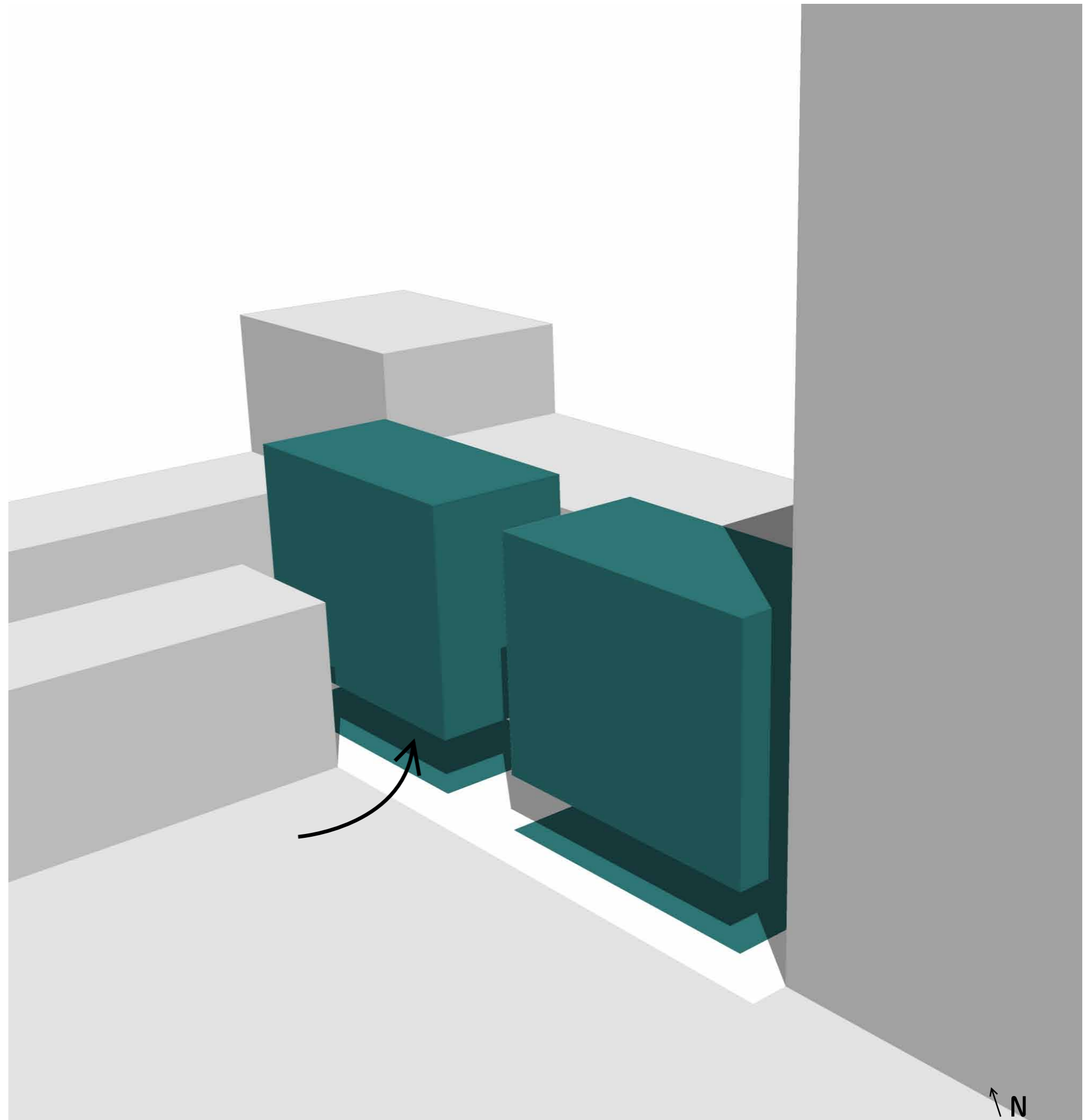
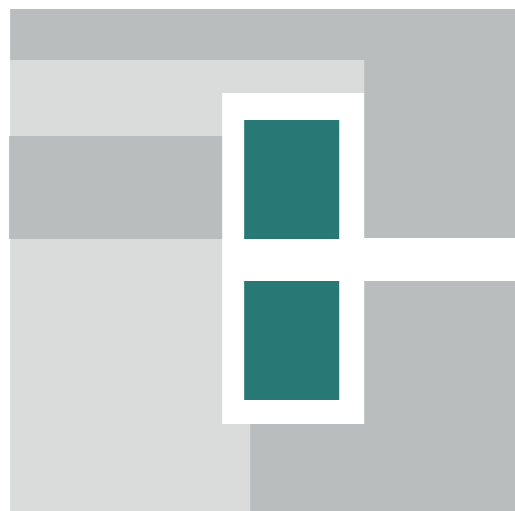
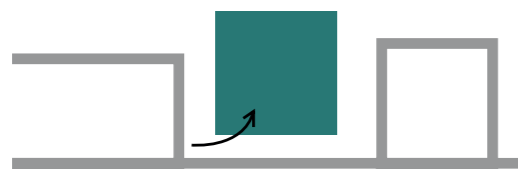
# 03 Design

Concept

Smooth Entrance

> easily access

> no main entrance door

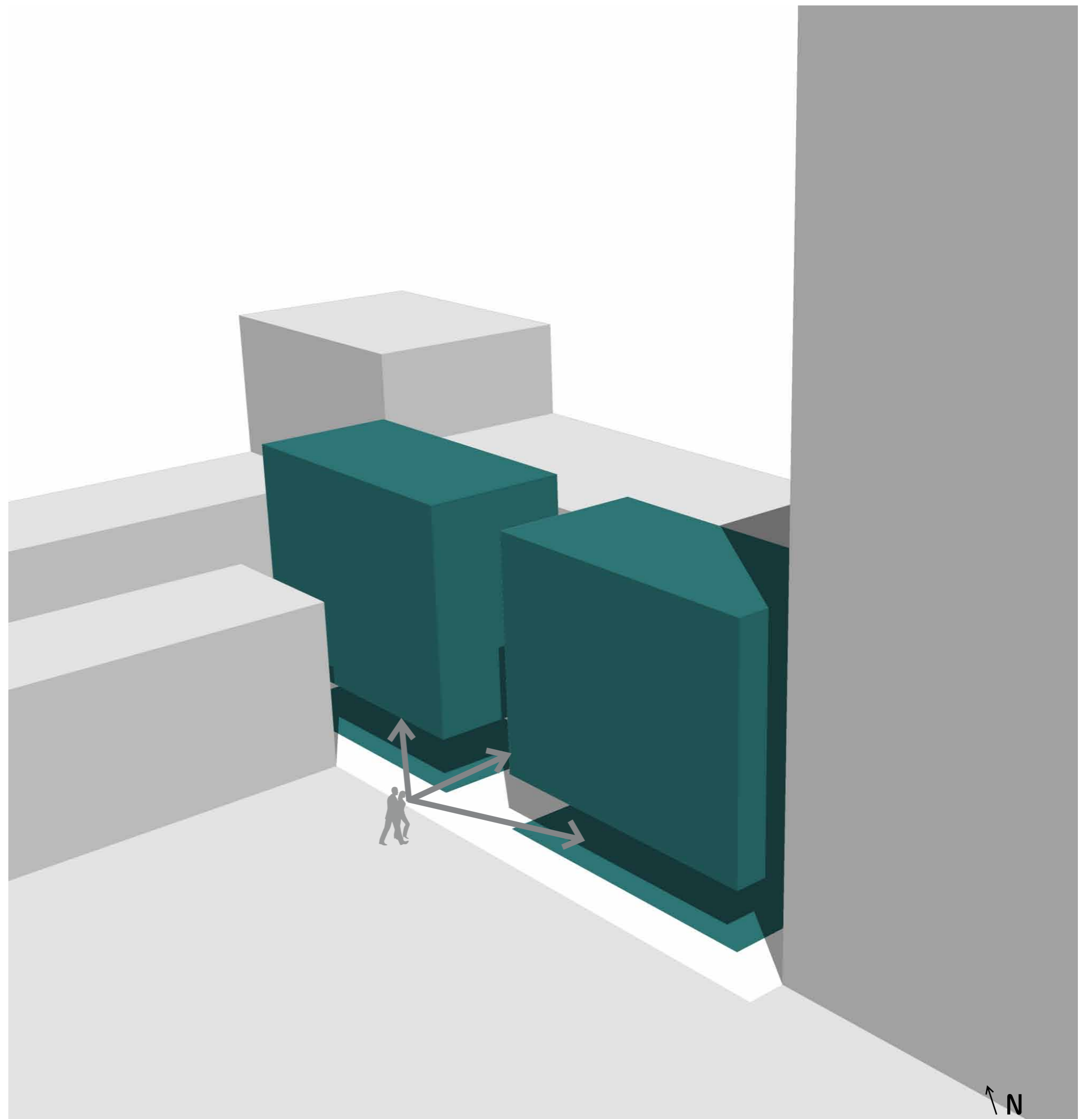
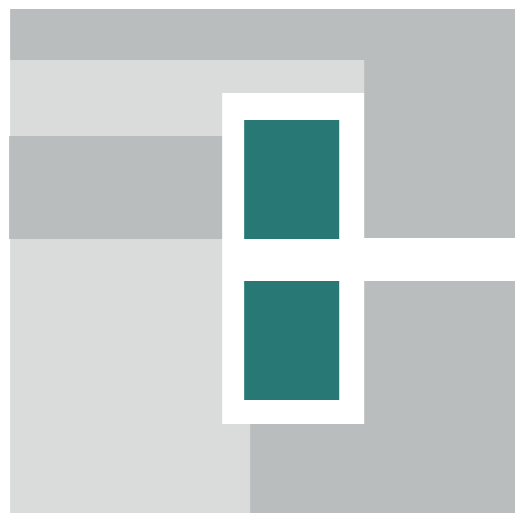
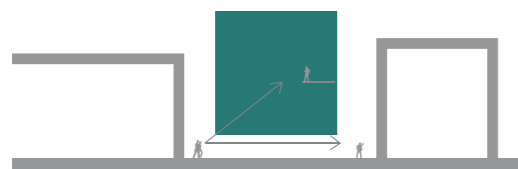


# 03 Design

Concept

Visible connection

> social awareness

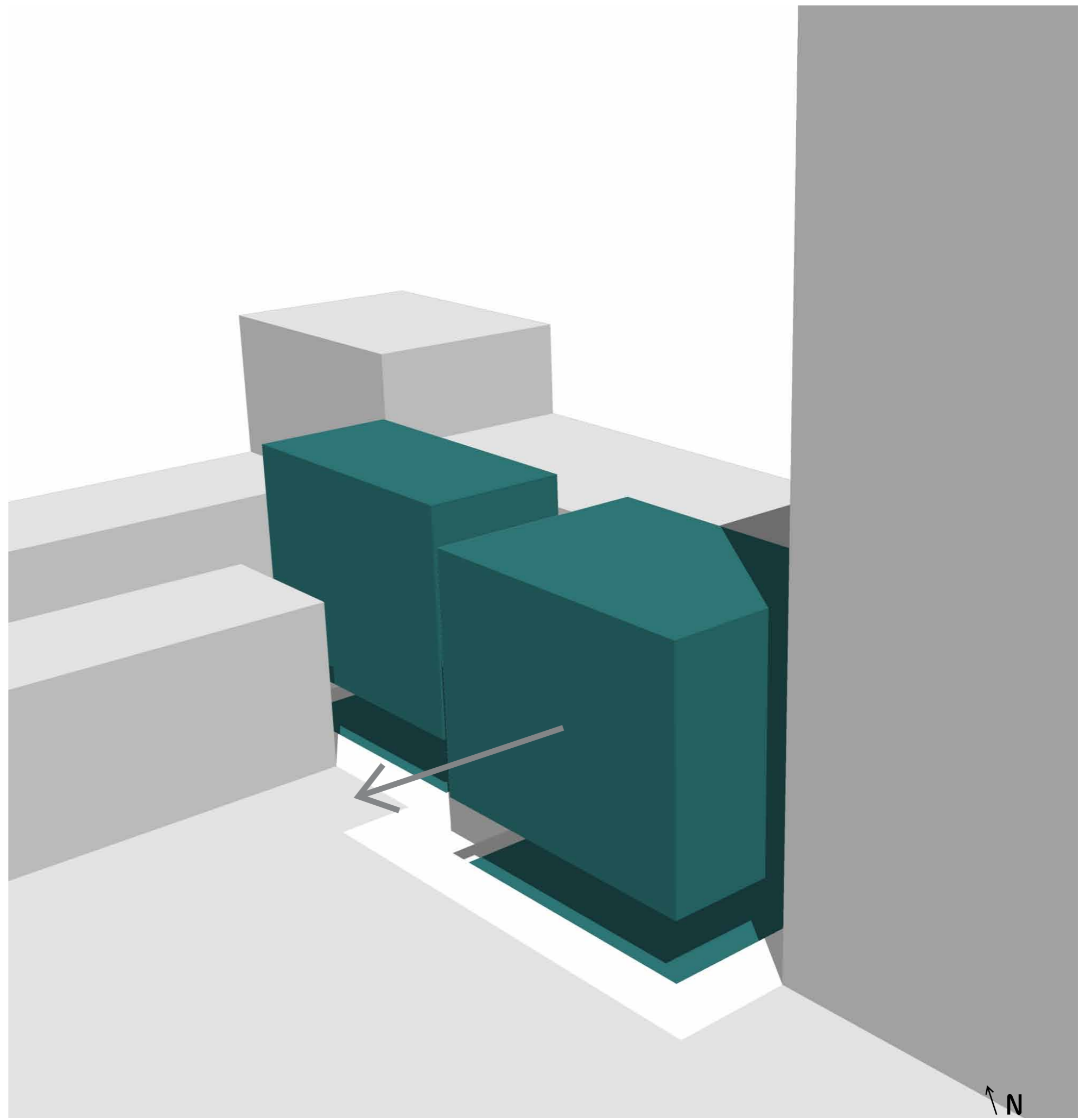


# 03 Design

Concept

Connection with square

> 'creating the central stage'





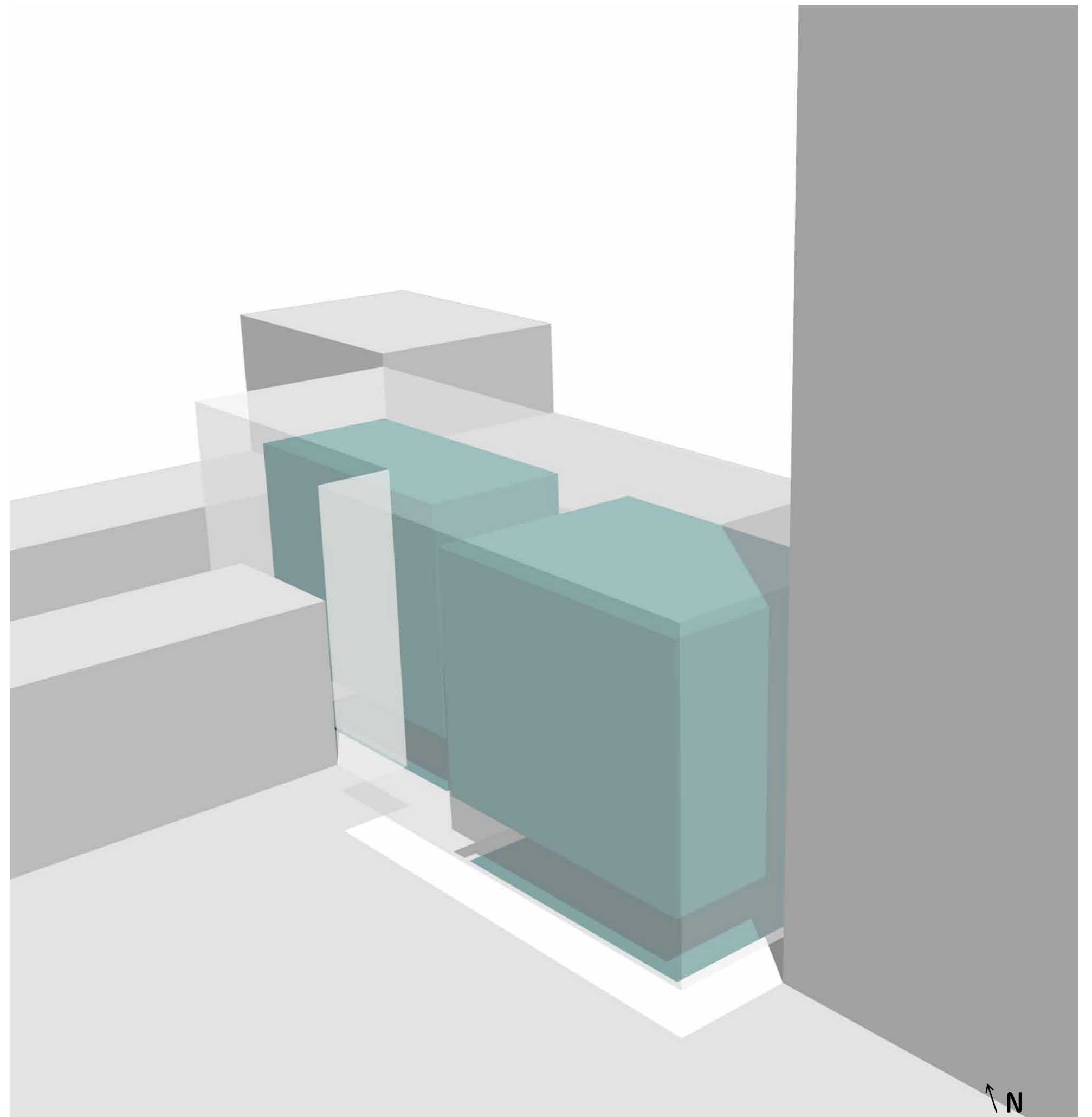
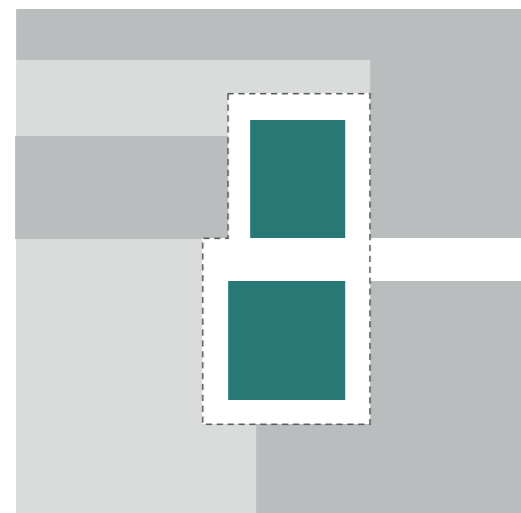
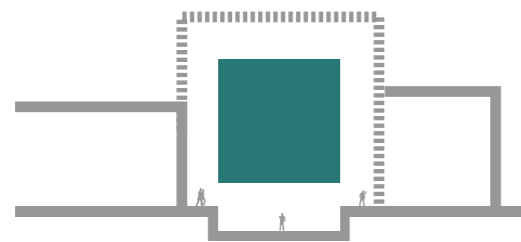
# 03 Design

Concept

Perforated 'jacket'

> one building

> attracts people to enter

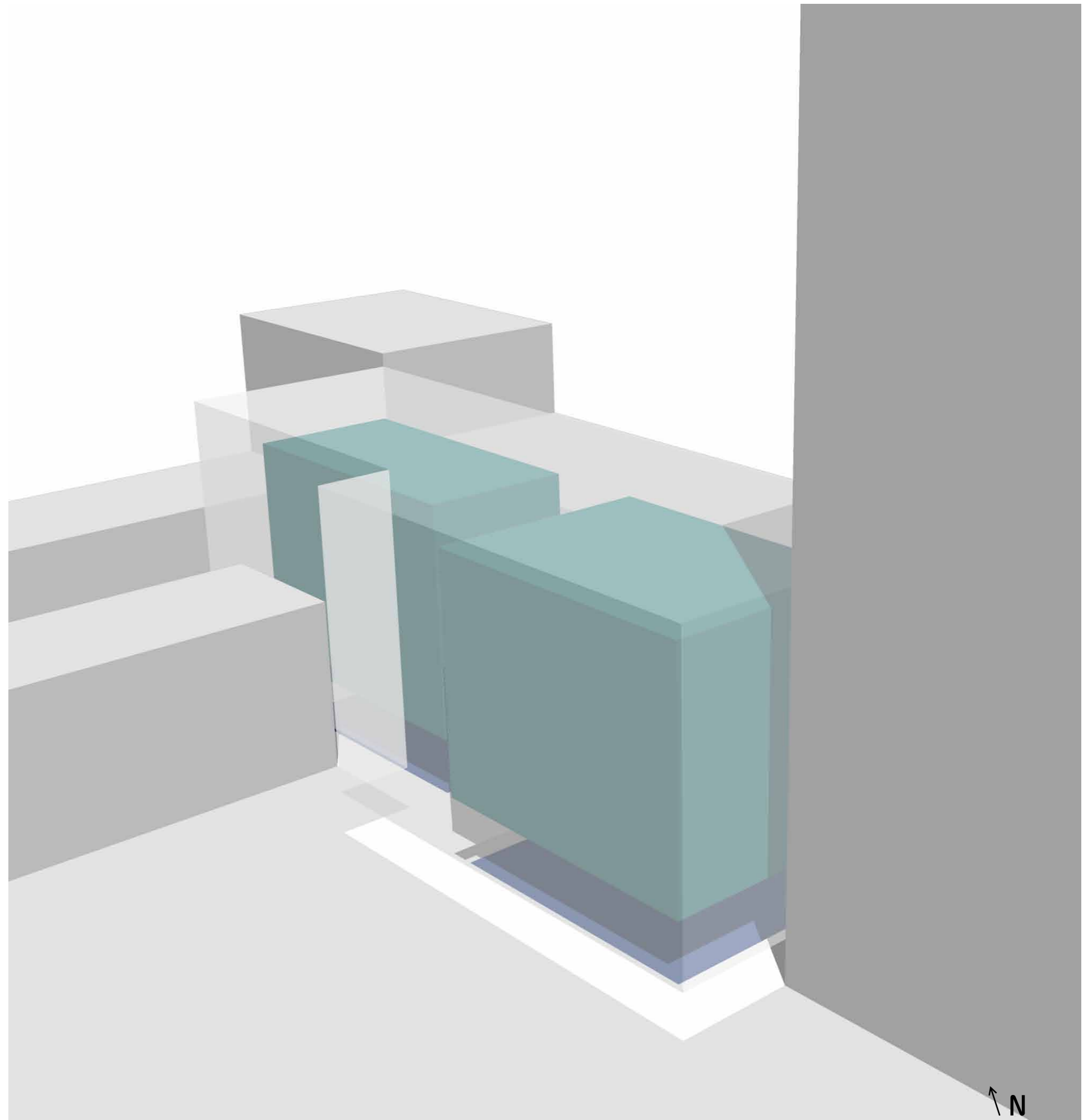
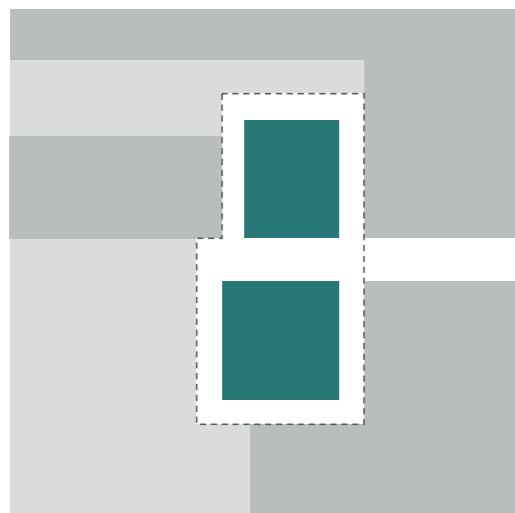
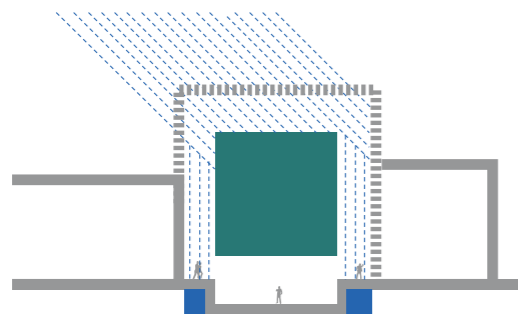


# 03 Design

Concept

Perforated 'jacket'

> rainwater will be collected



# 03 Design

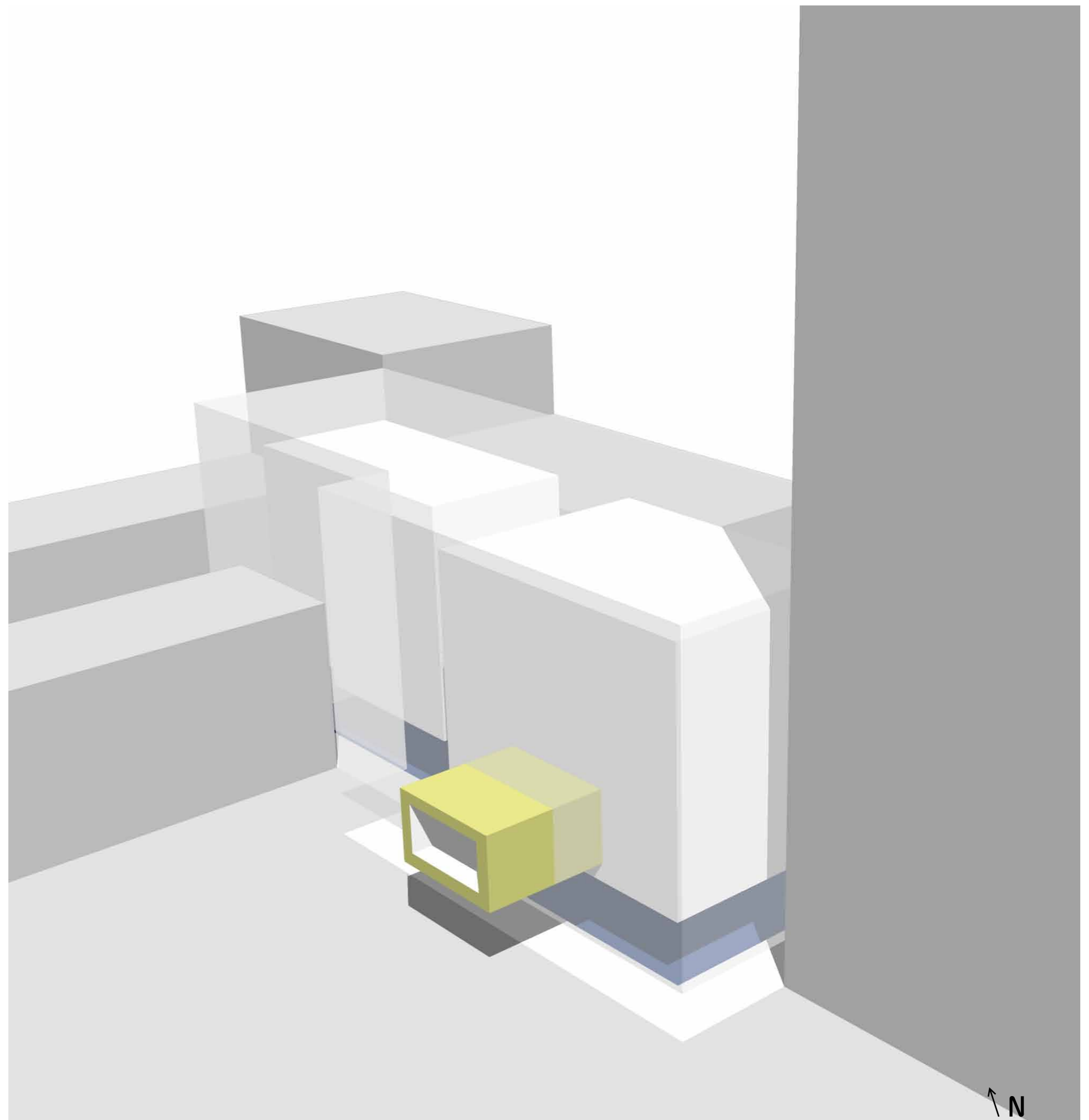
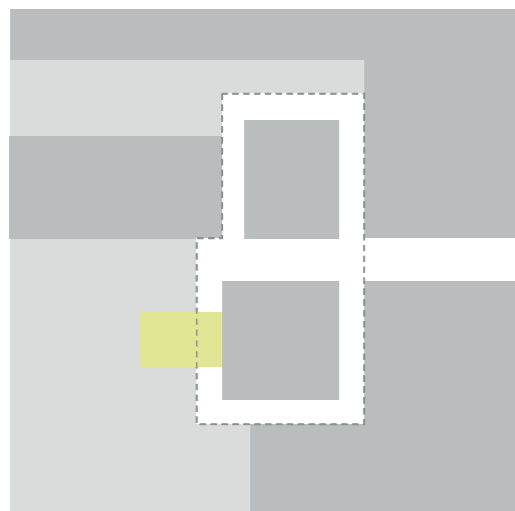
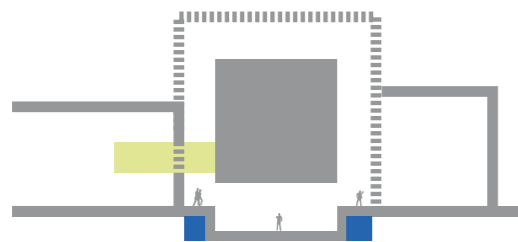
Concept

BOX

> visible connection



Performance stage



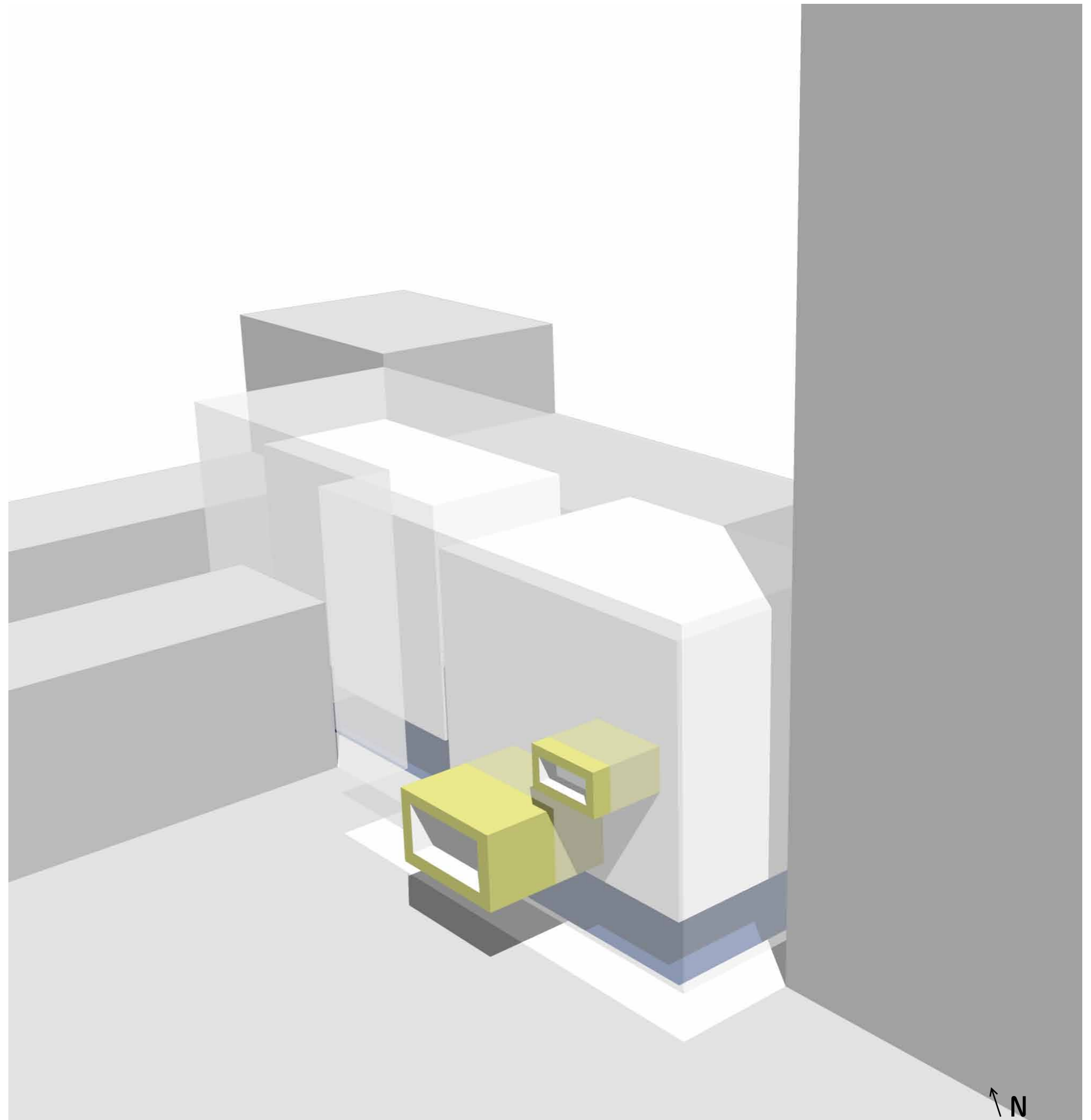
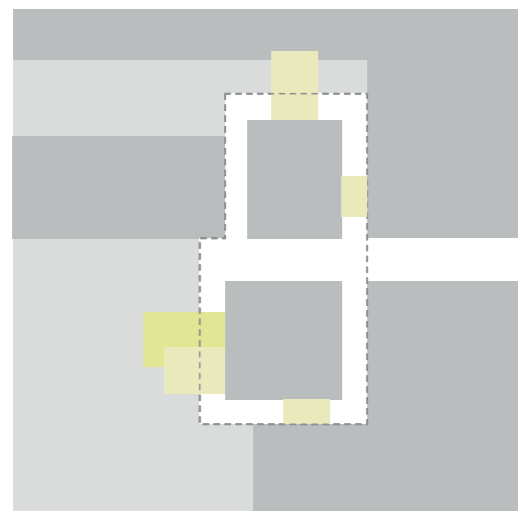
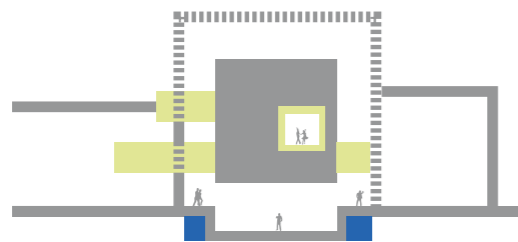
# 03 Design

Concept

Green-yellow **BOX**



Sport facilities



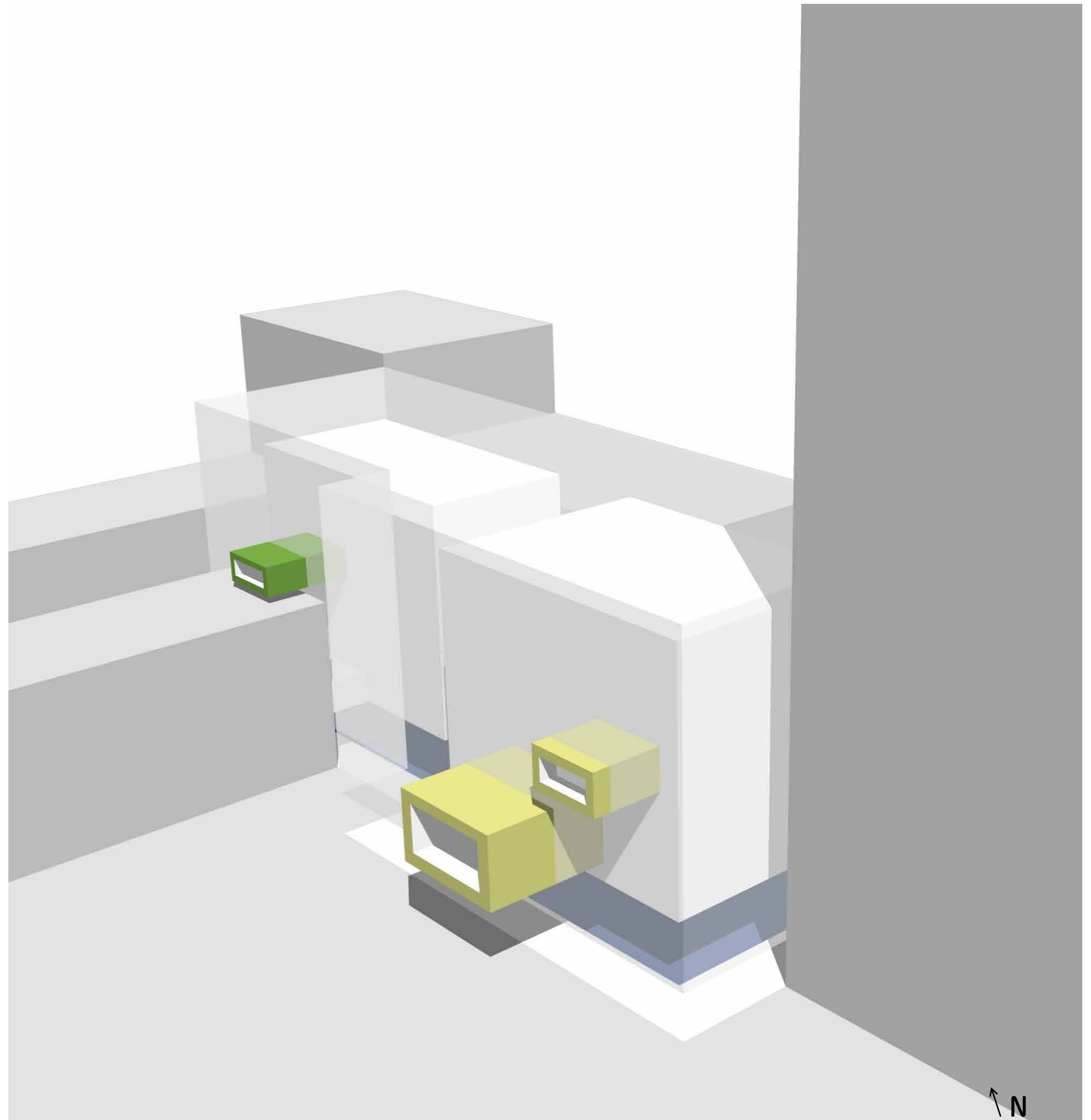
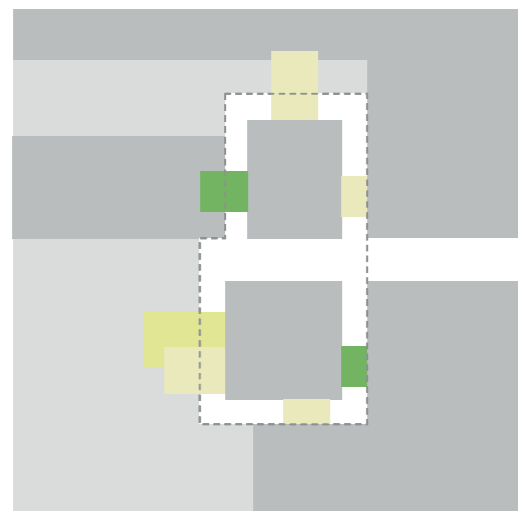
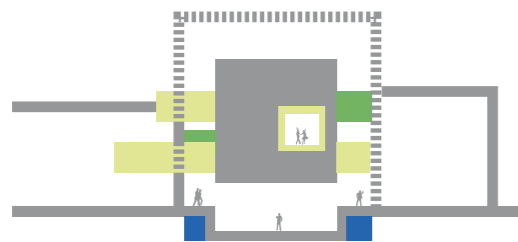
# 03 Design

Concept

Green **BOX**



Leisure facilities



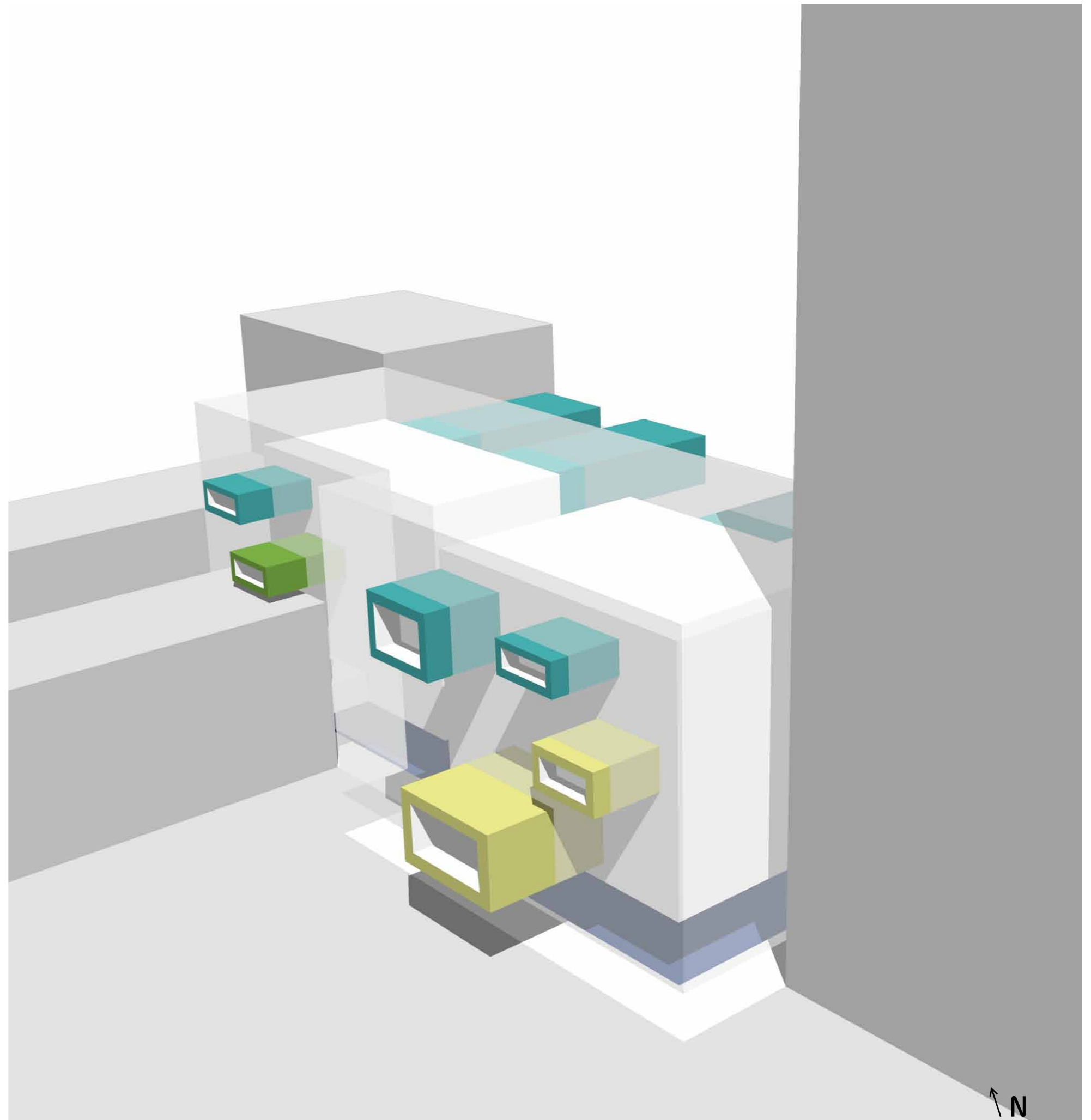
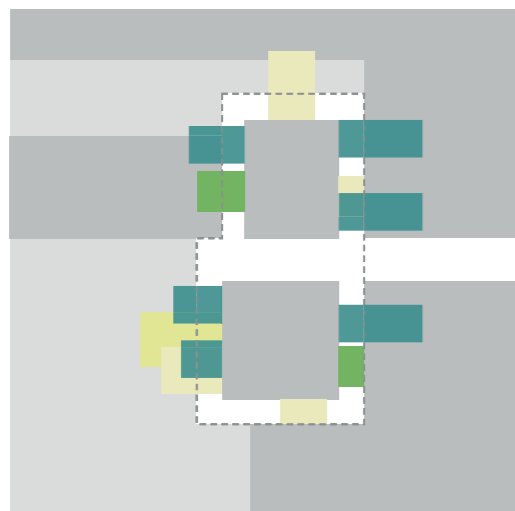
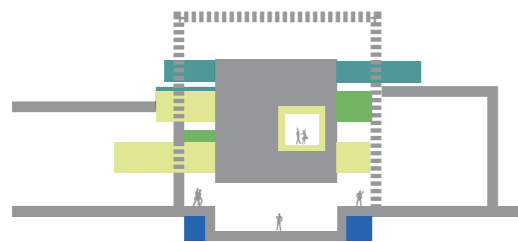
# 03 Design

Concept

Blue **BOX**



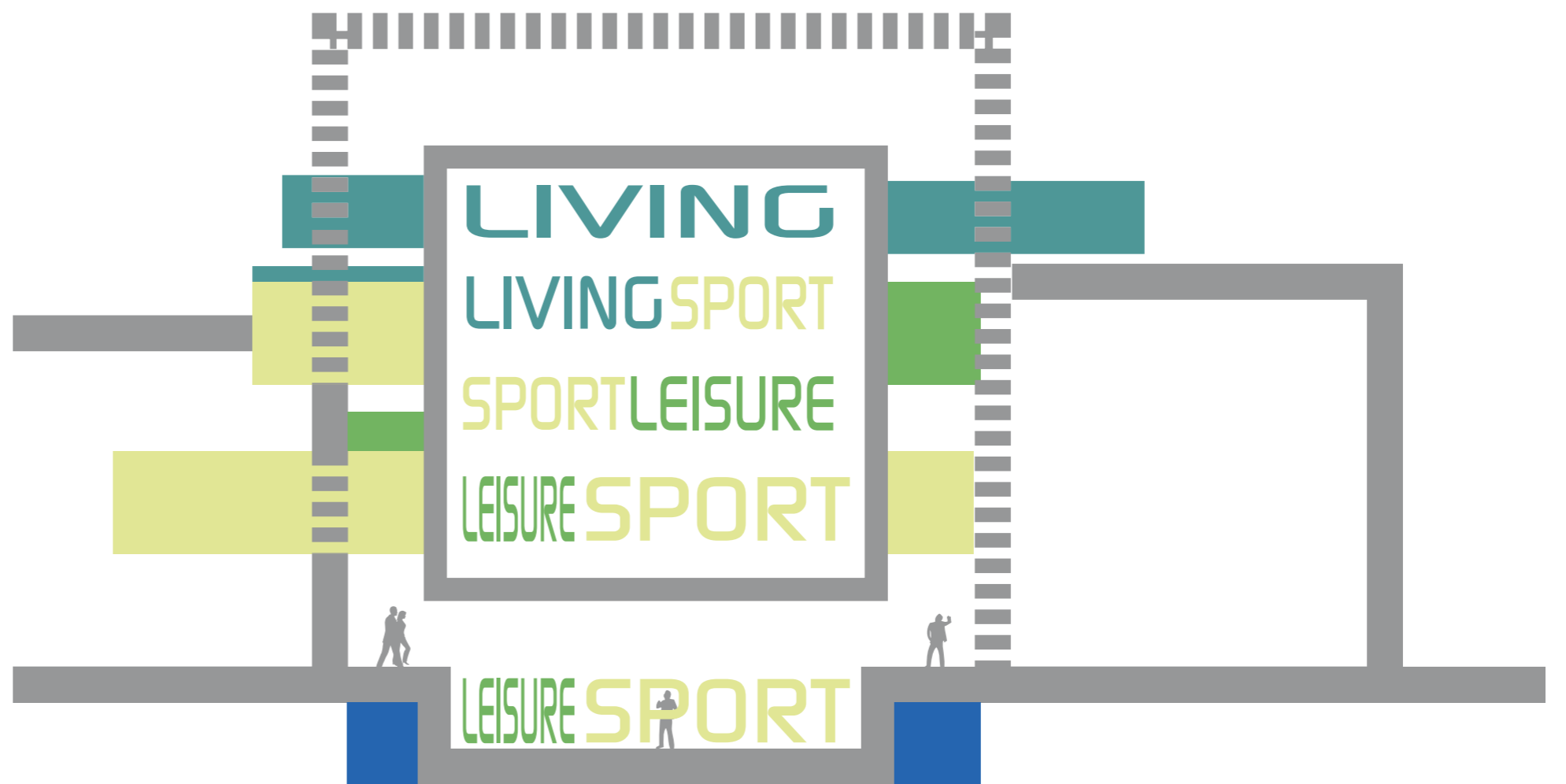
Living facilities

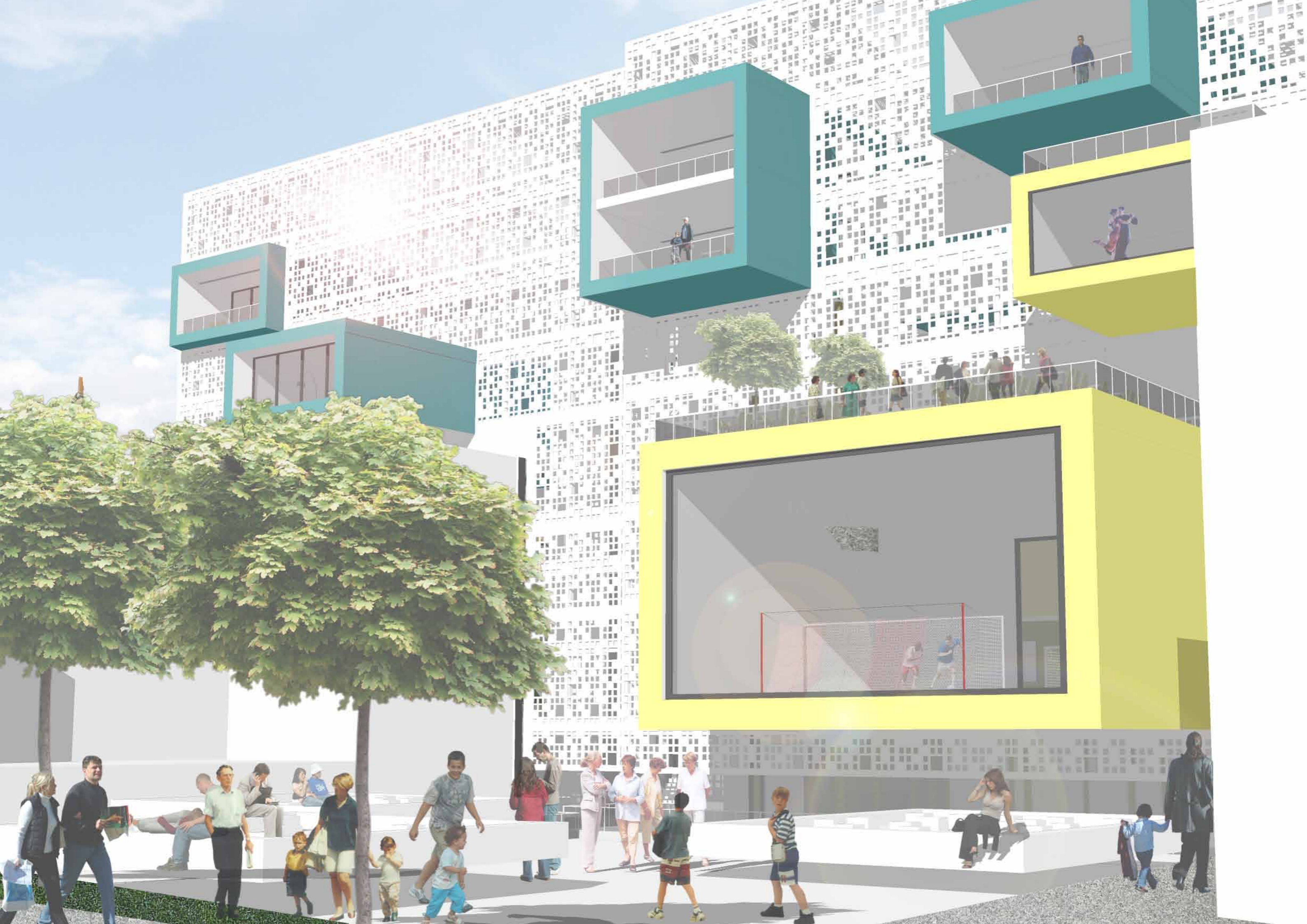


# 03 Design

Concept

BOX-in-BOX  
Program

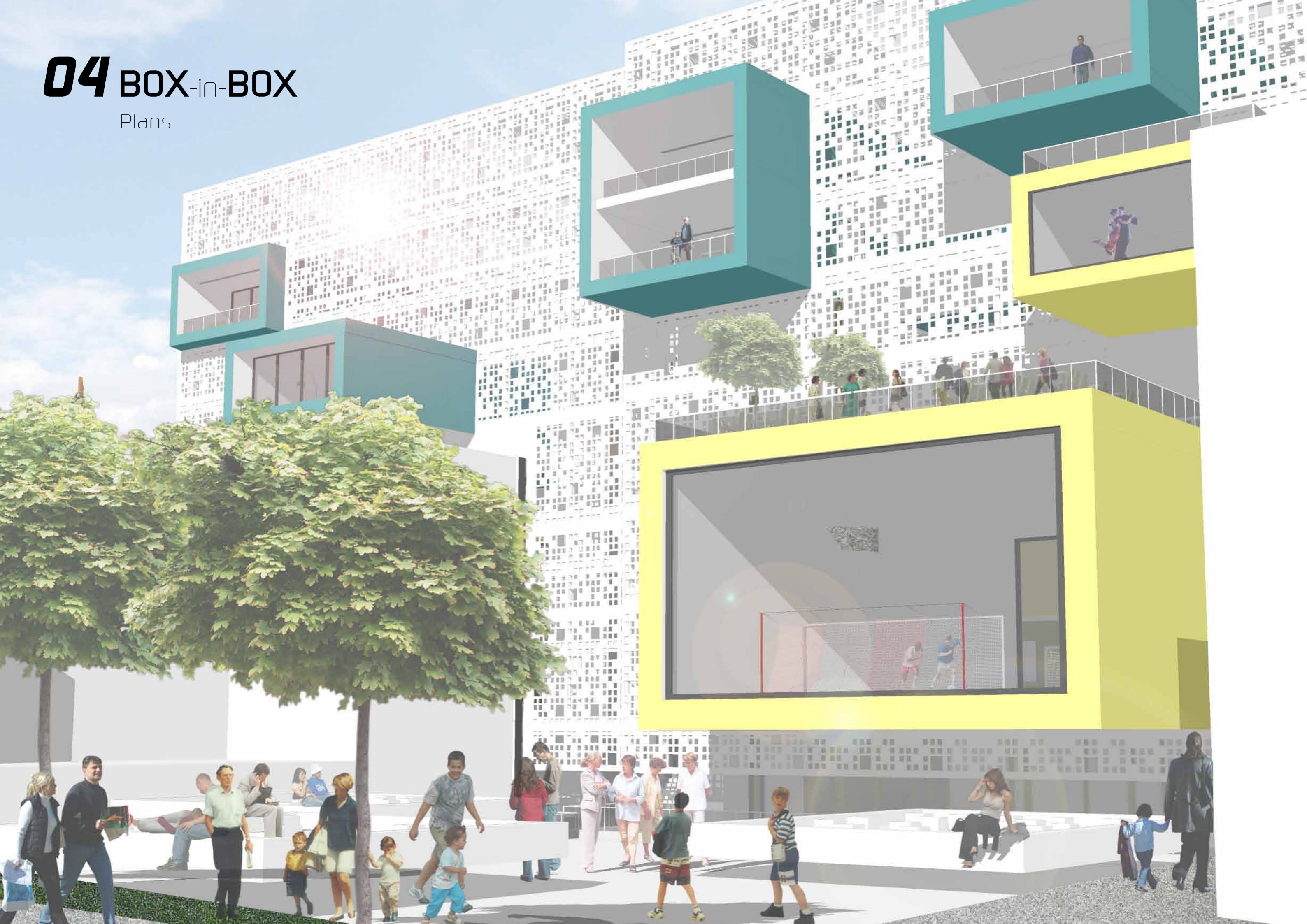






# 04 BOX-in-BOX

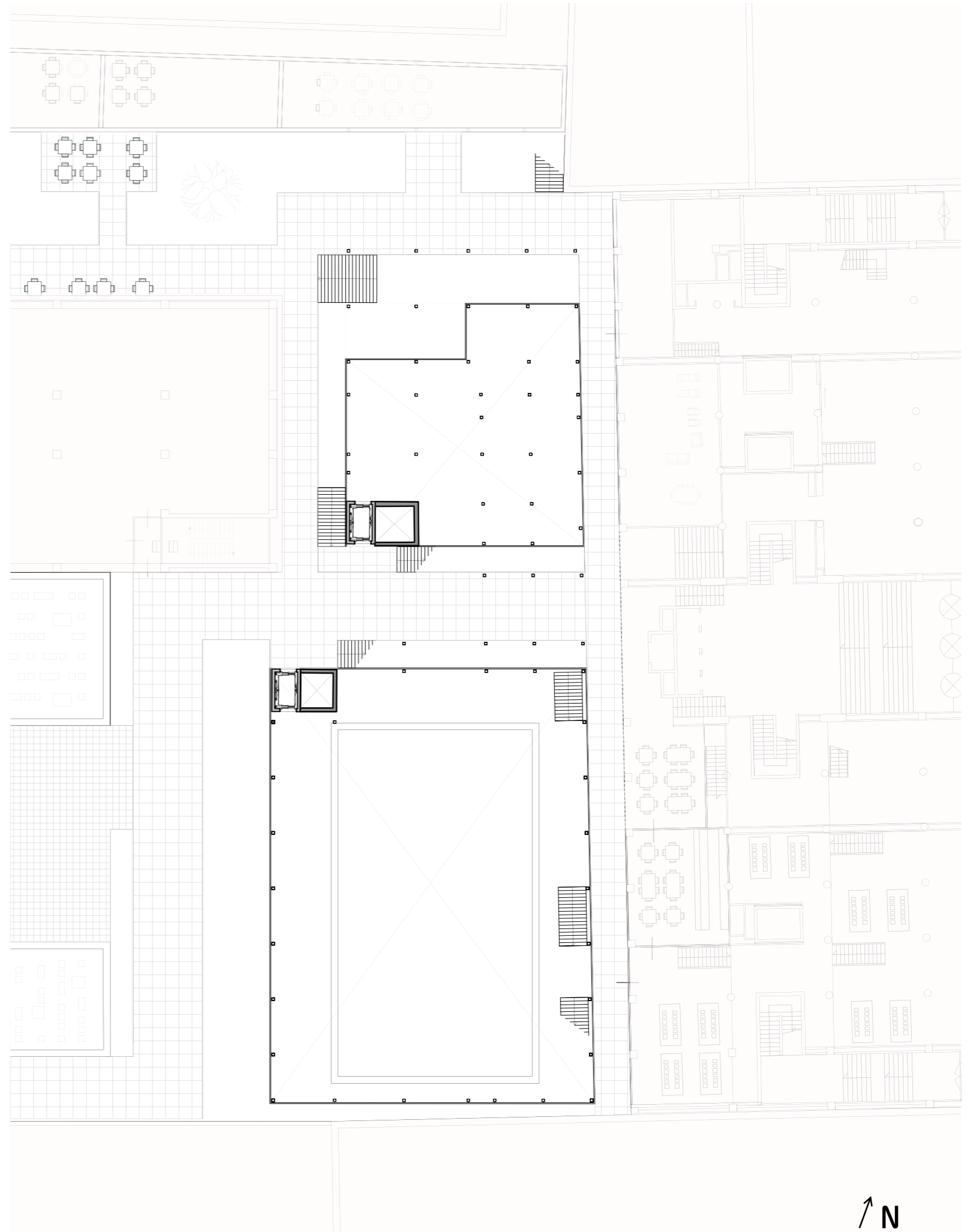
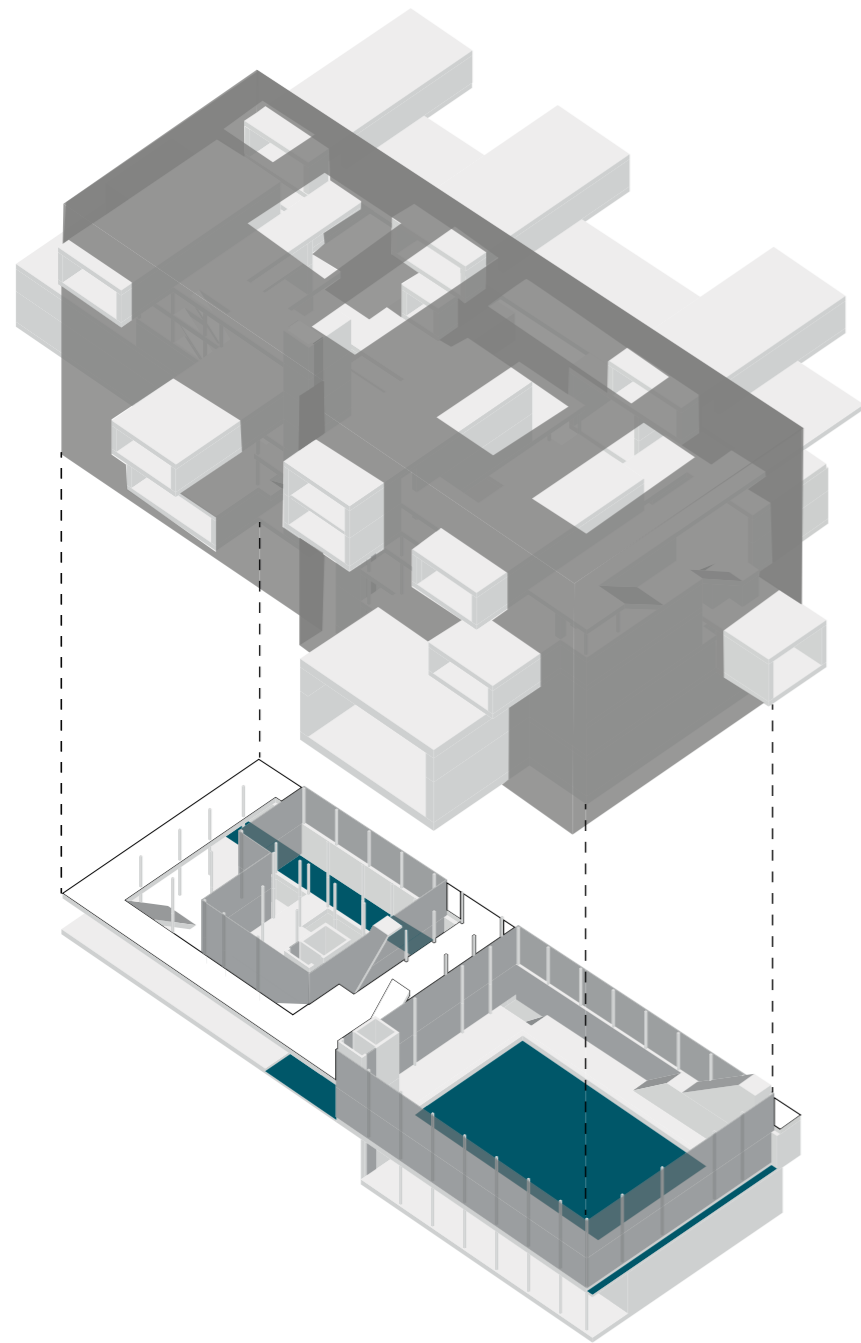
Plans



# 04 BOX-in-BOX

Plans

LEVEL 0



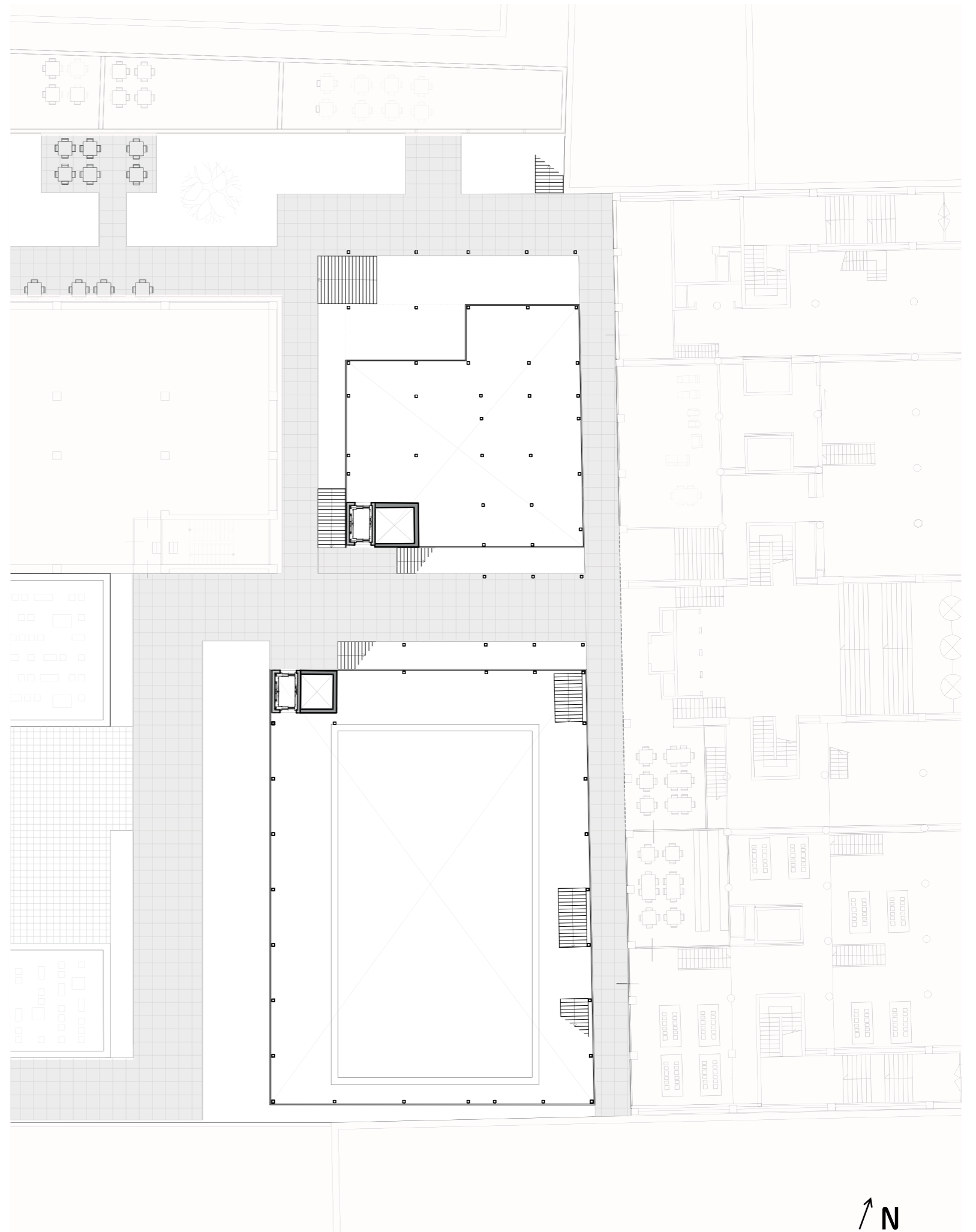
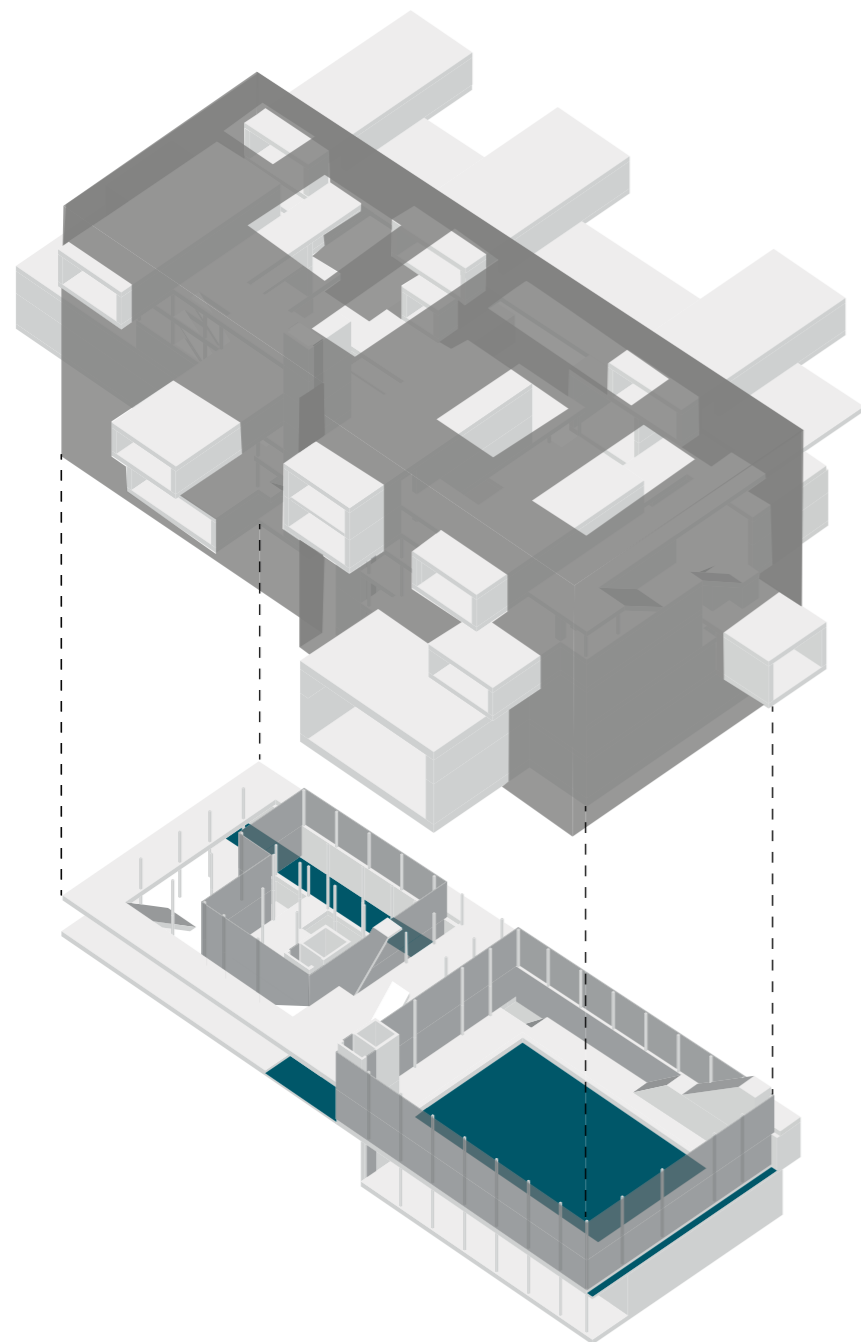
# 04 BOX-in-BOX

Plans

LEVEL 0



Walking path



Main entrance



Main entrance



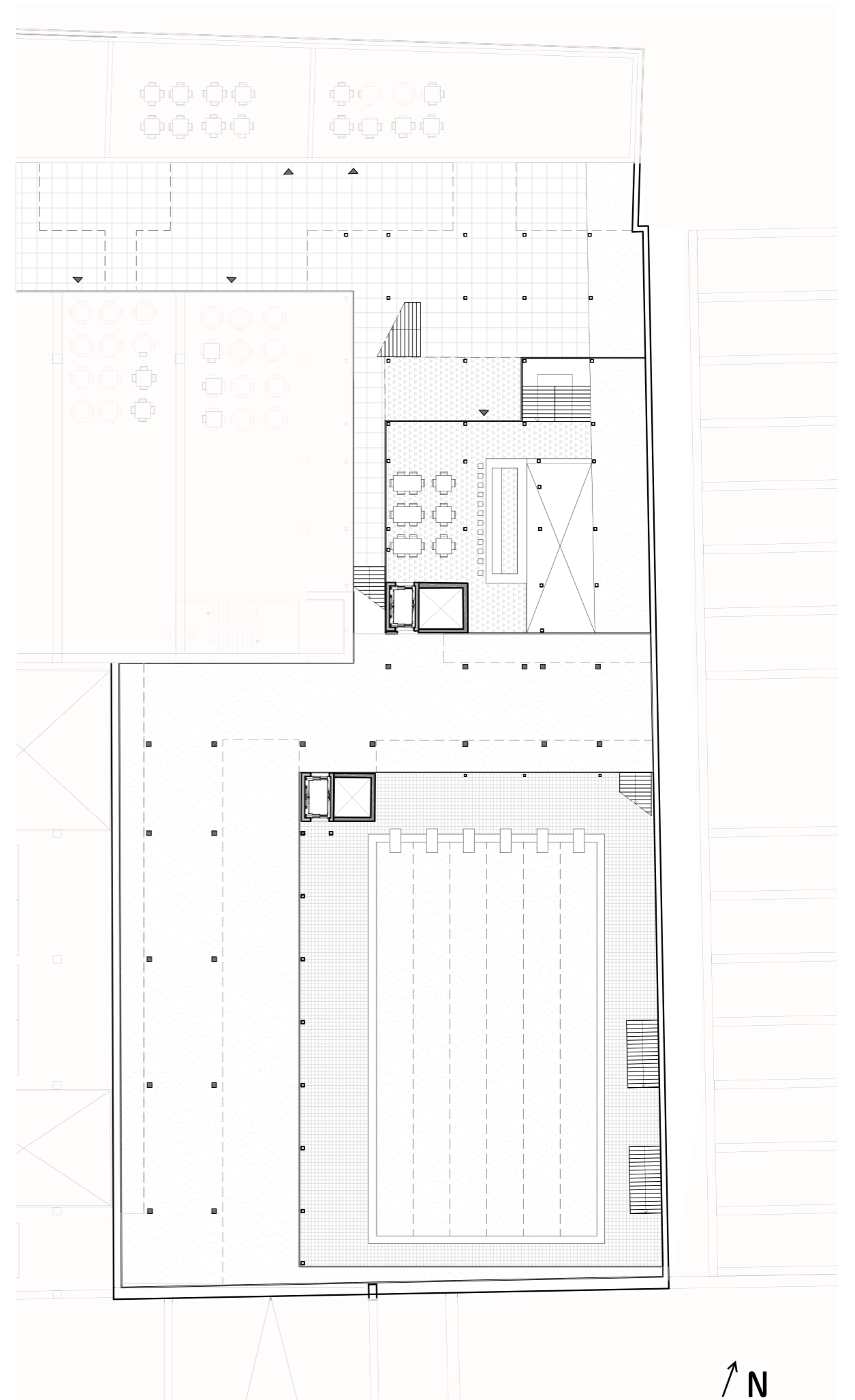
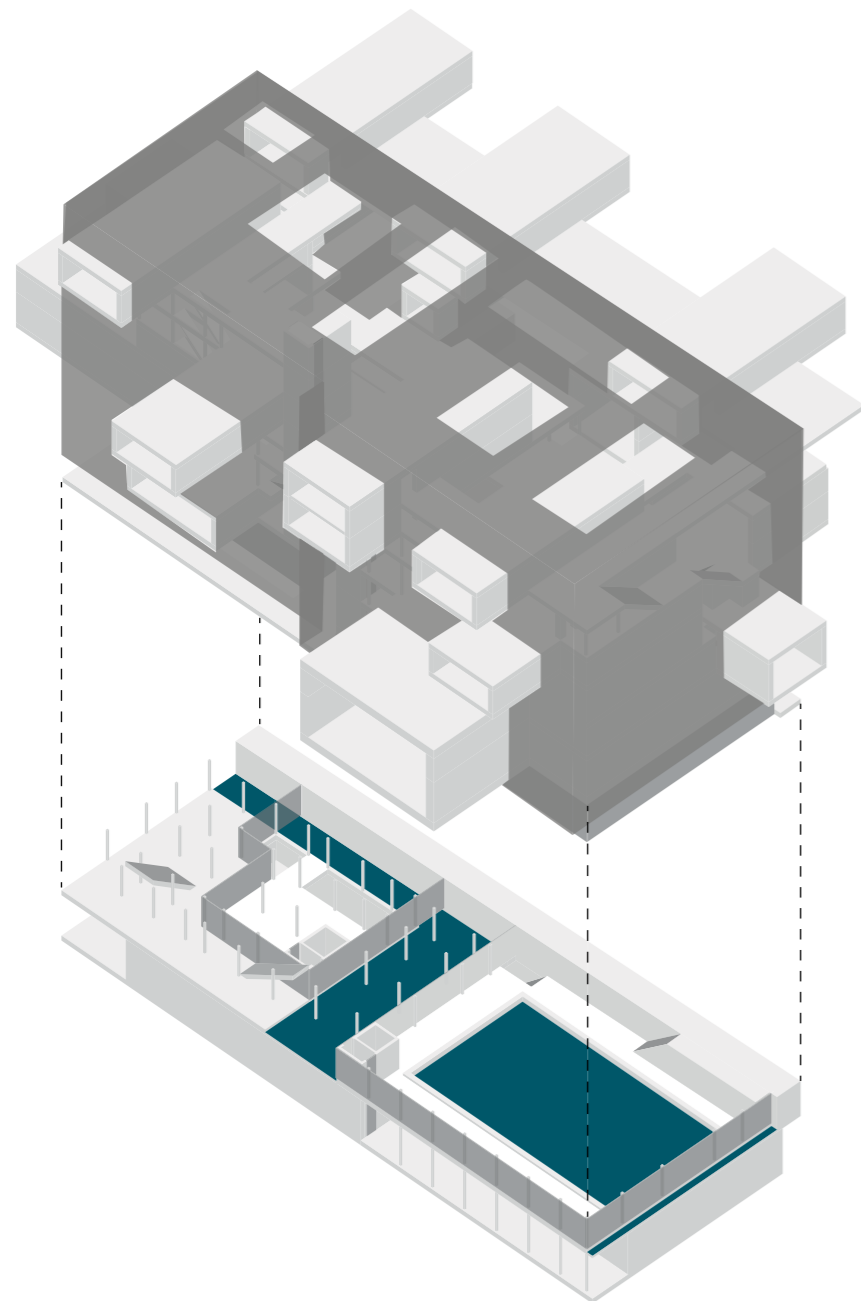
Second entrance



# 04 BOX-in-BOX

Plans

LEVEL -1



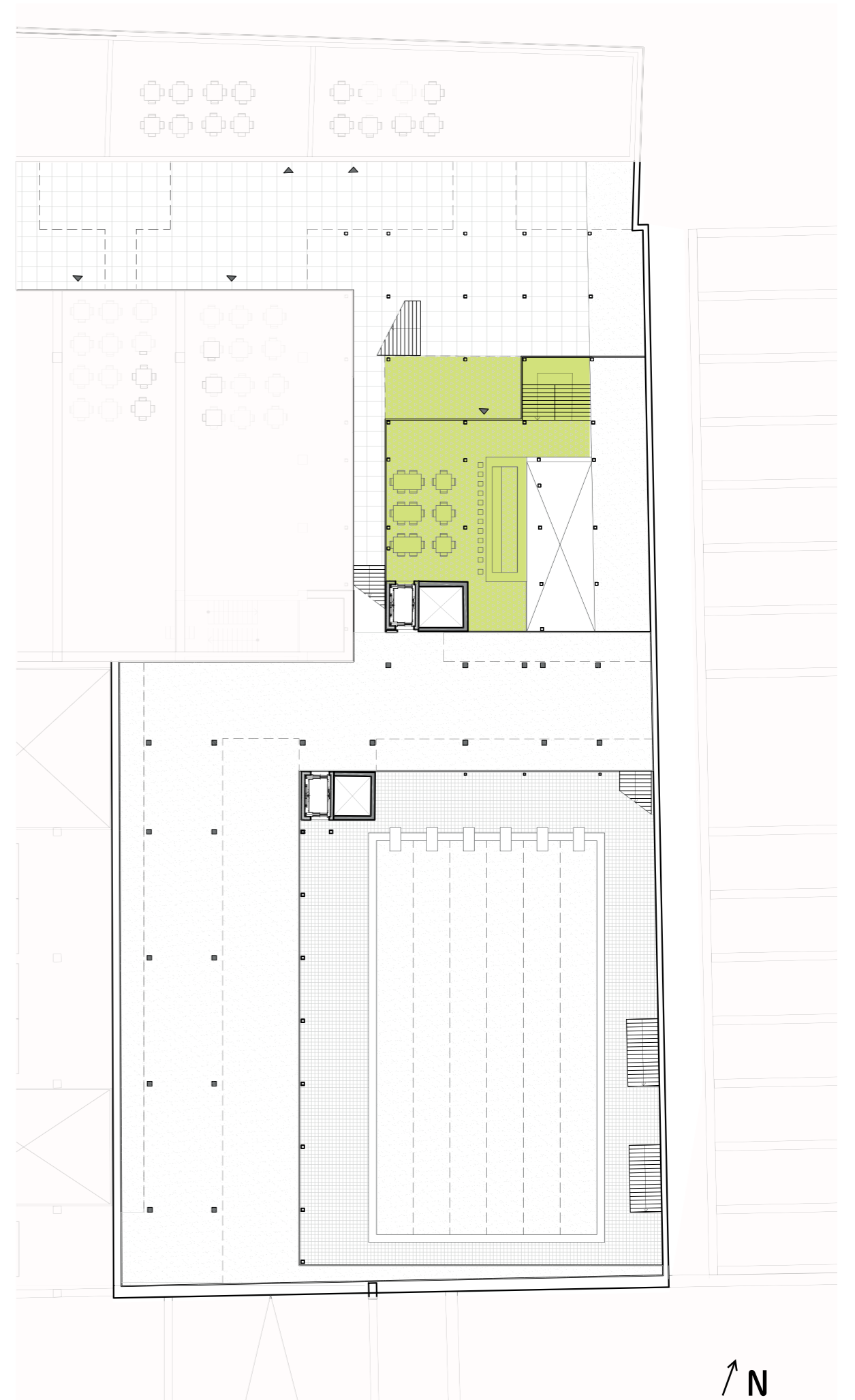
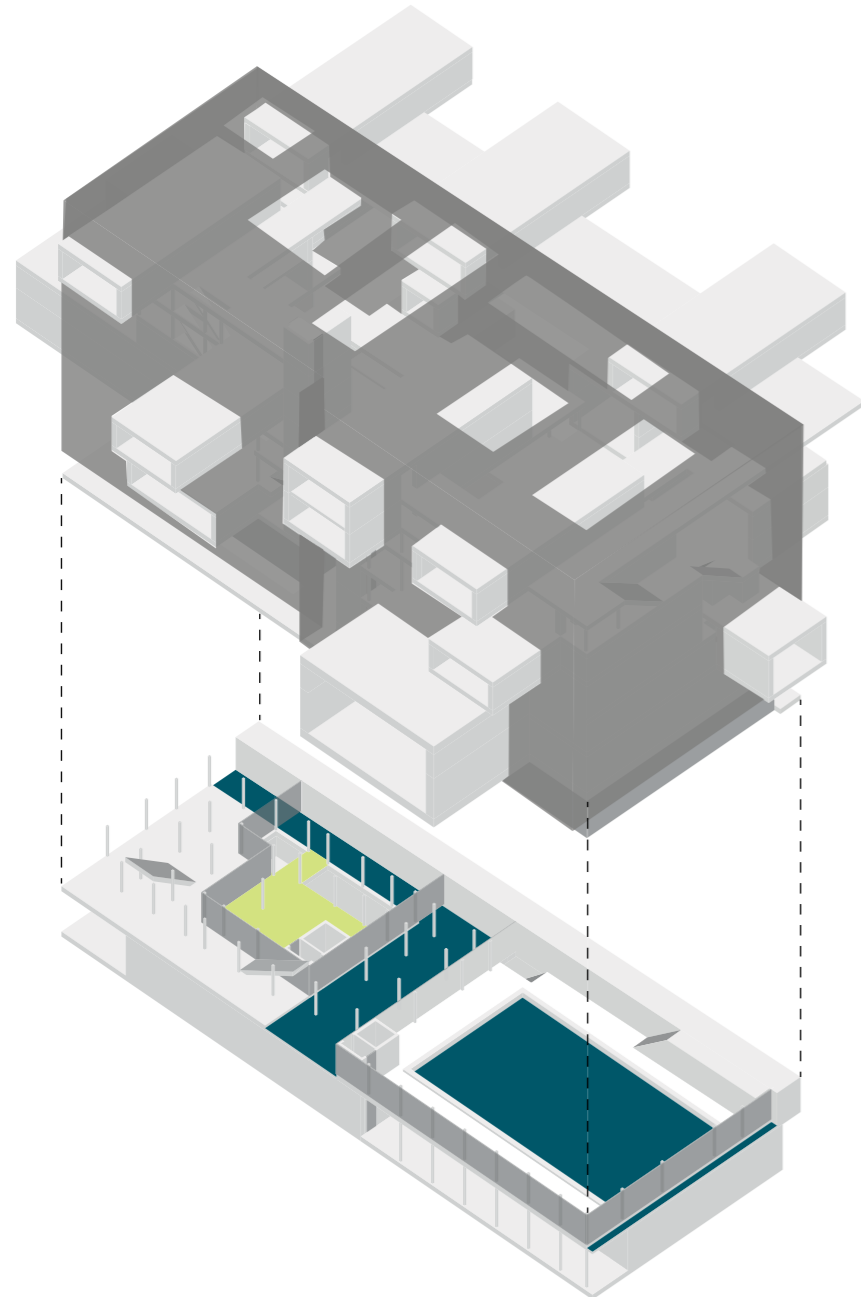
# 04 BOX-in-BOX

Plans

LEVEL -1



Sportsbar





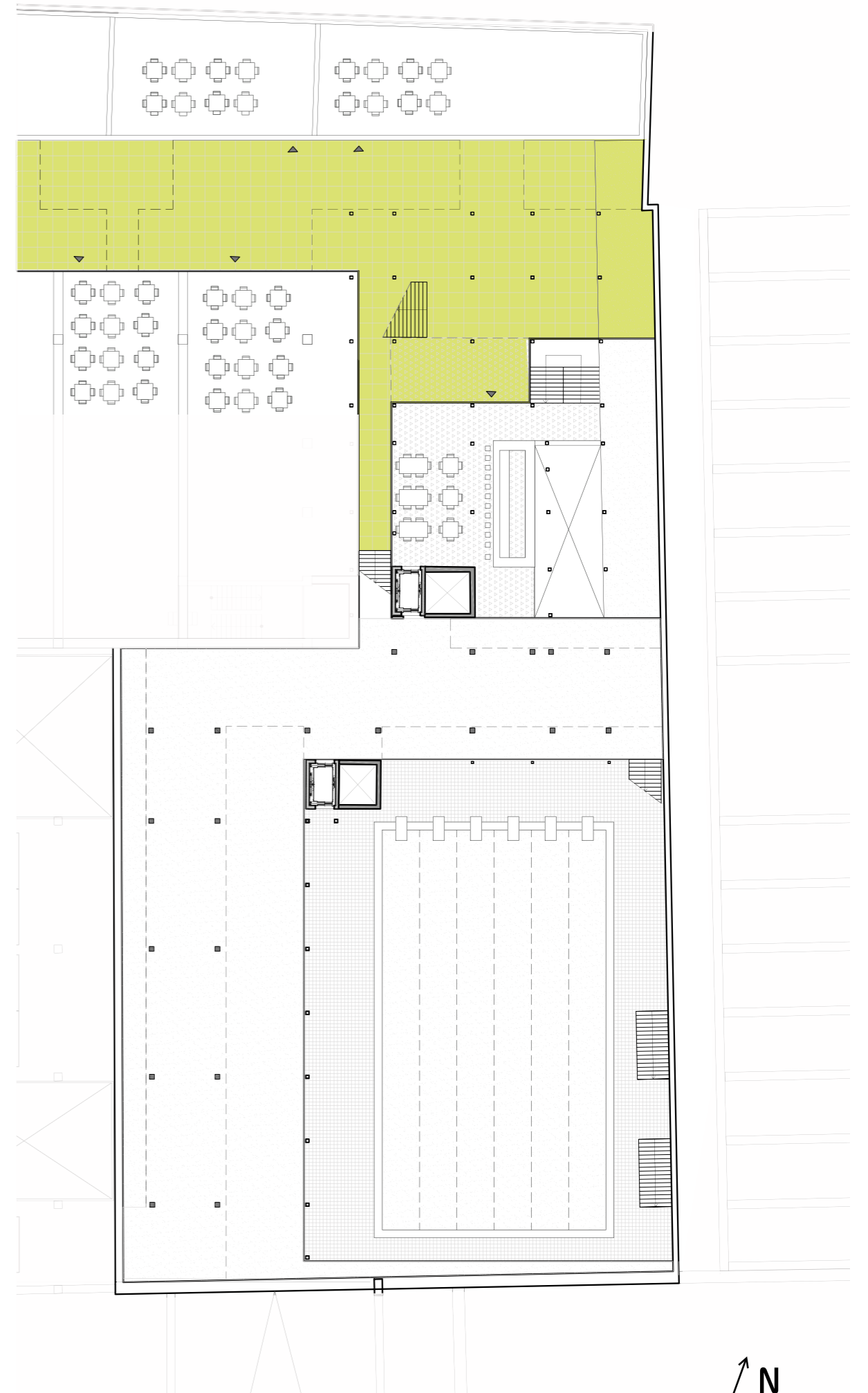
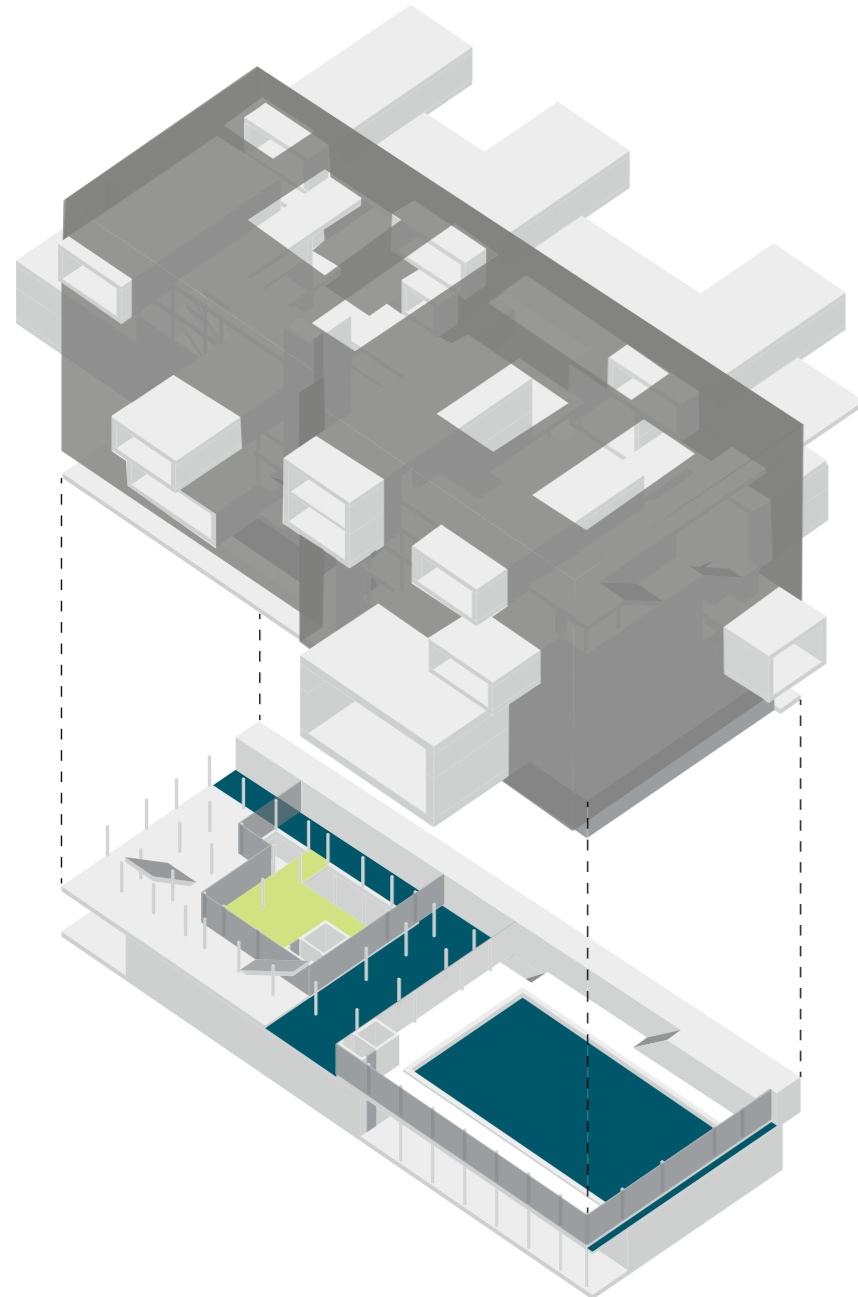
# 04 BOX-in-BOX

Plans

LEVEL -1



'Going out' street



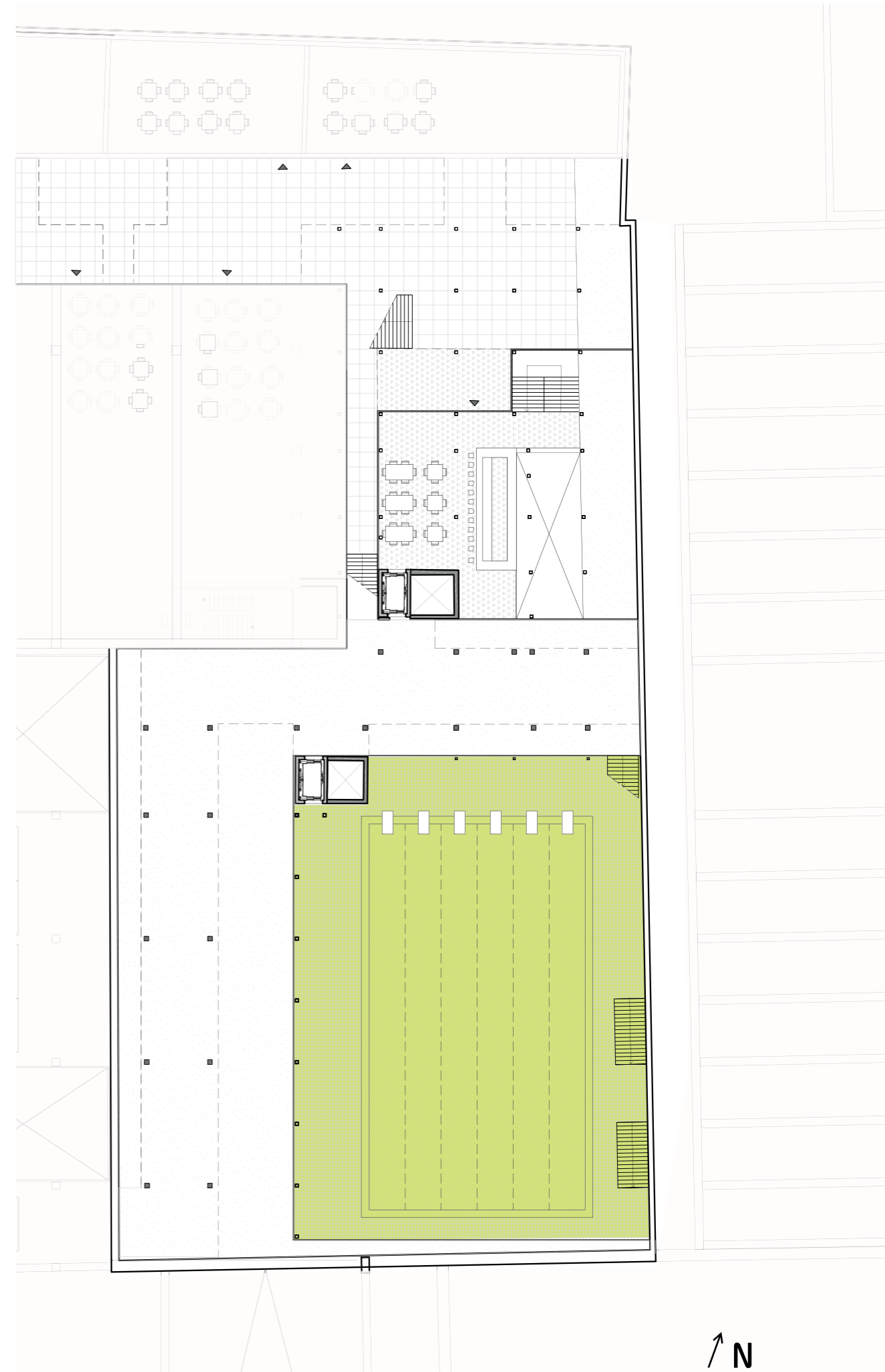
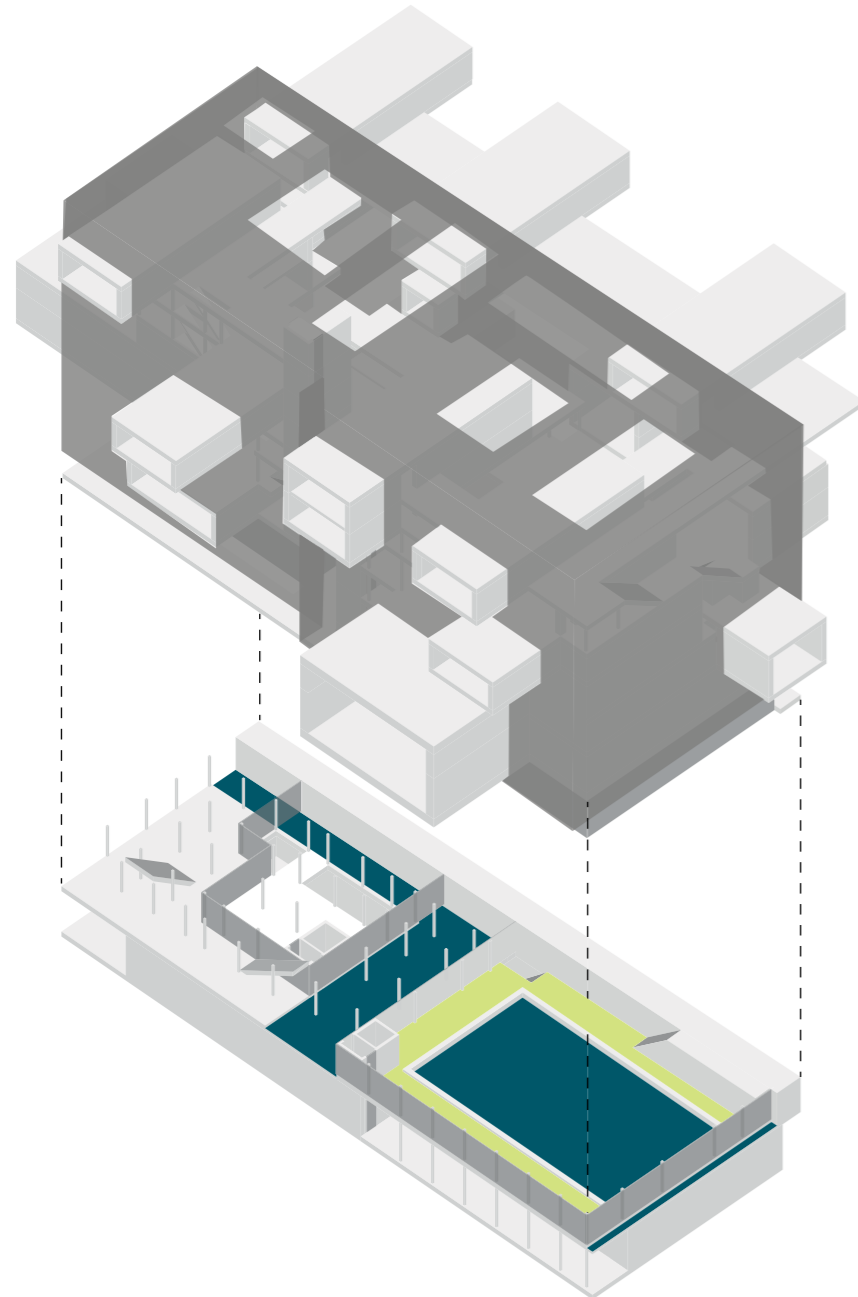
# 04 BOX-in-BOX

Plans

LEVEL -1



Swimmingpool



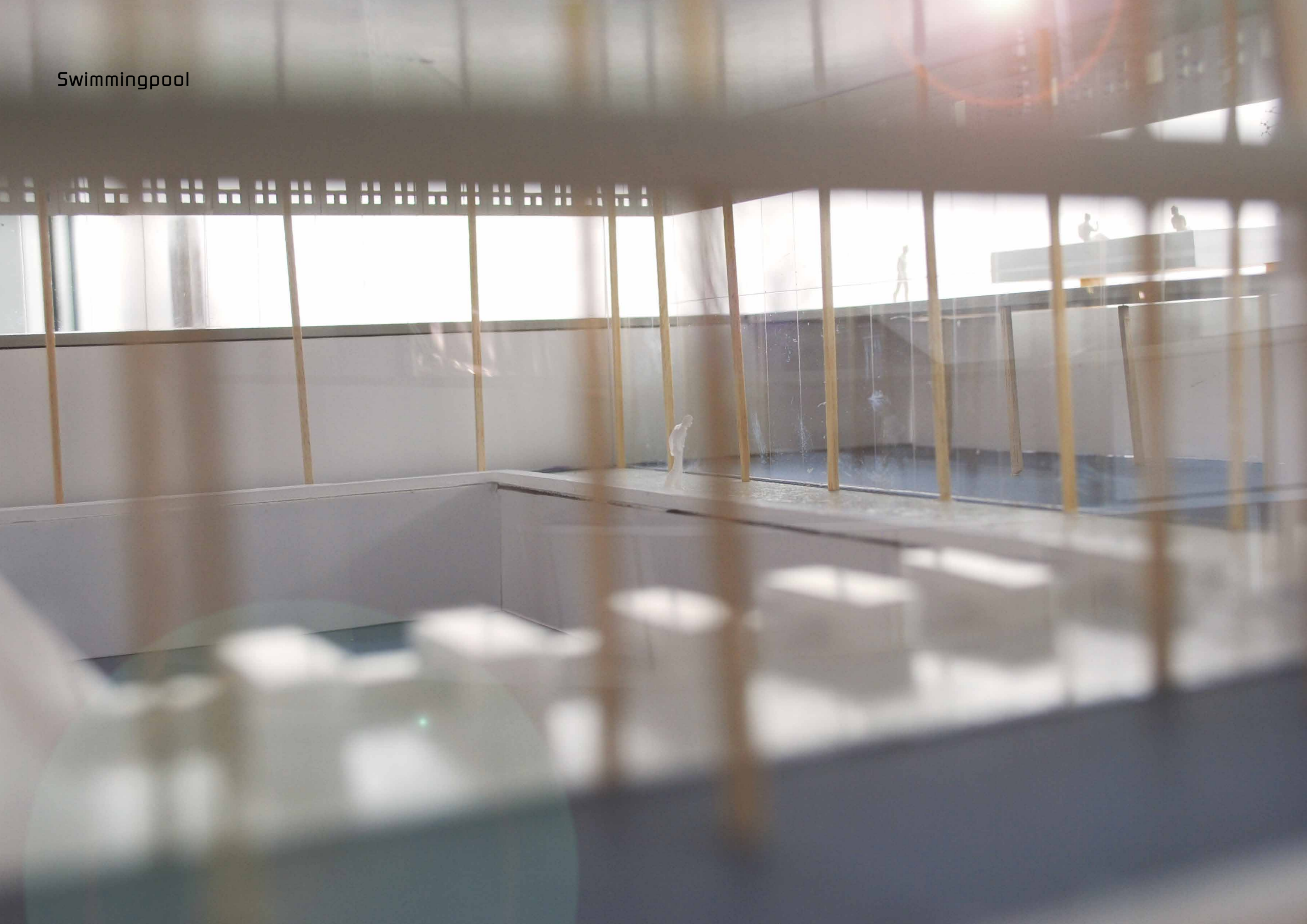
# Sportsbar



'Going out' street



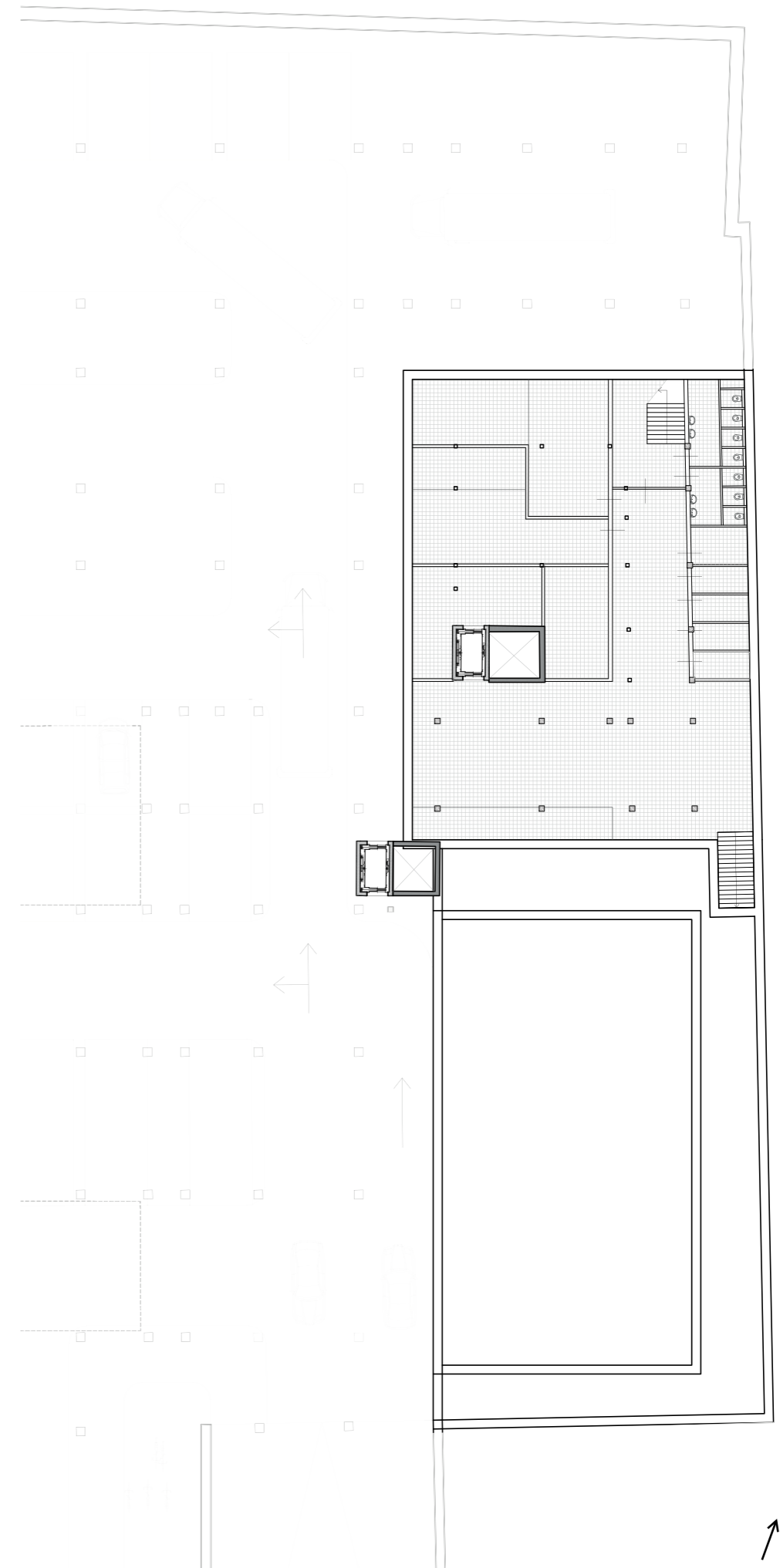
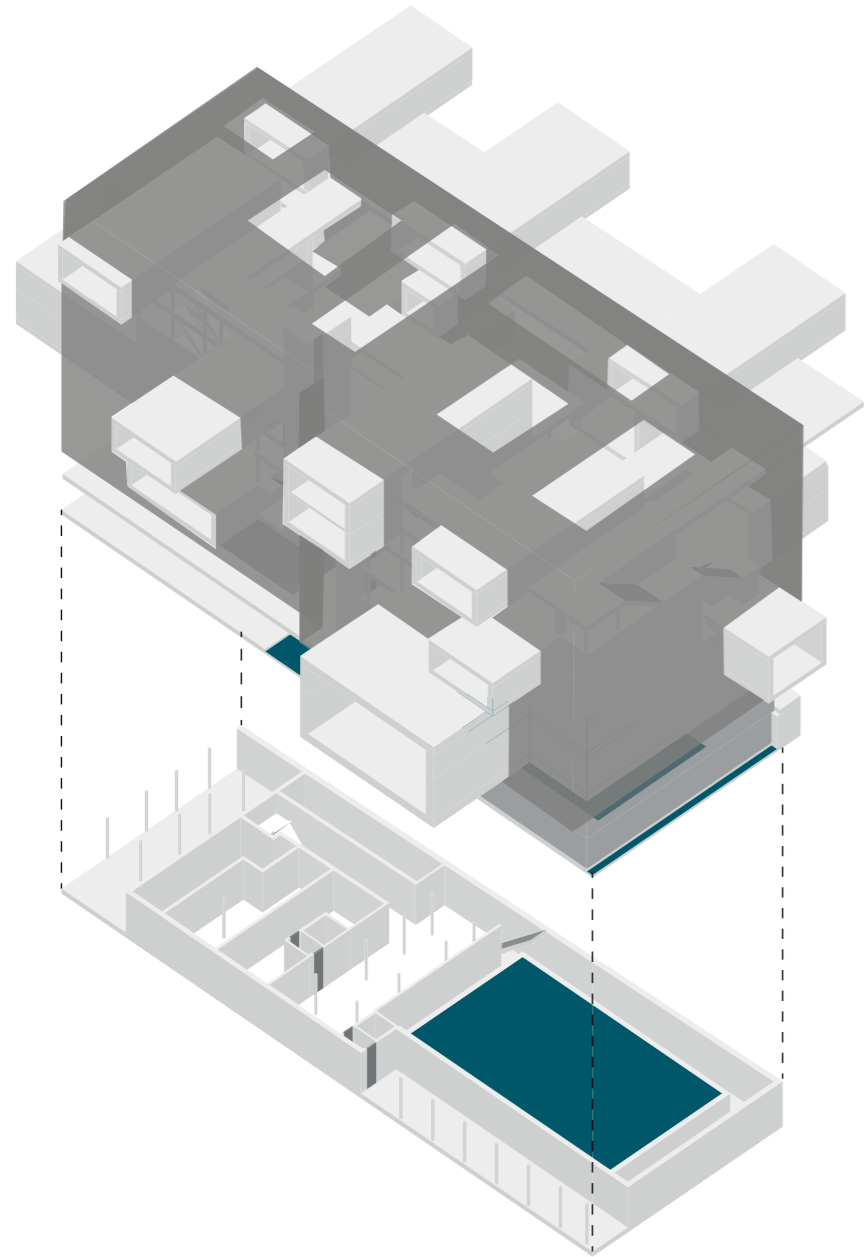
Swimmingpool



# 04 BOX-in-BOX

Plans

LEVEL -2



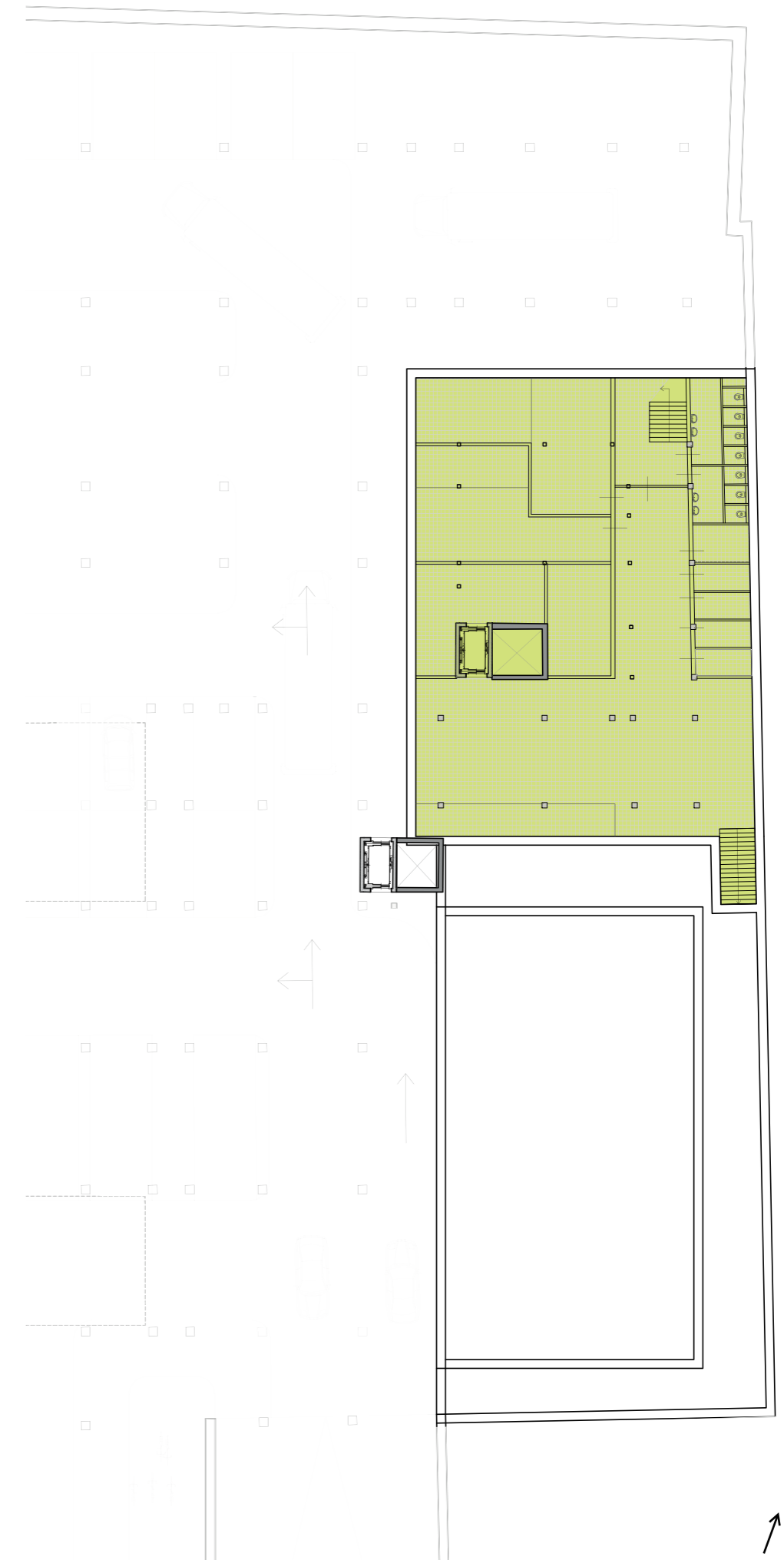
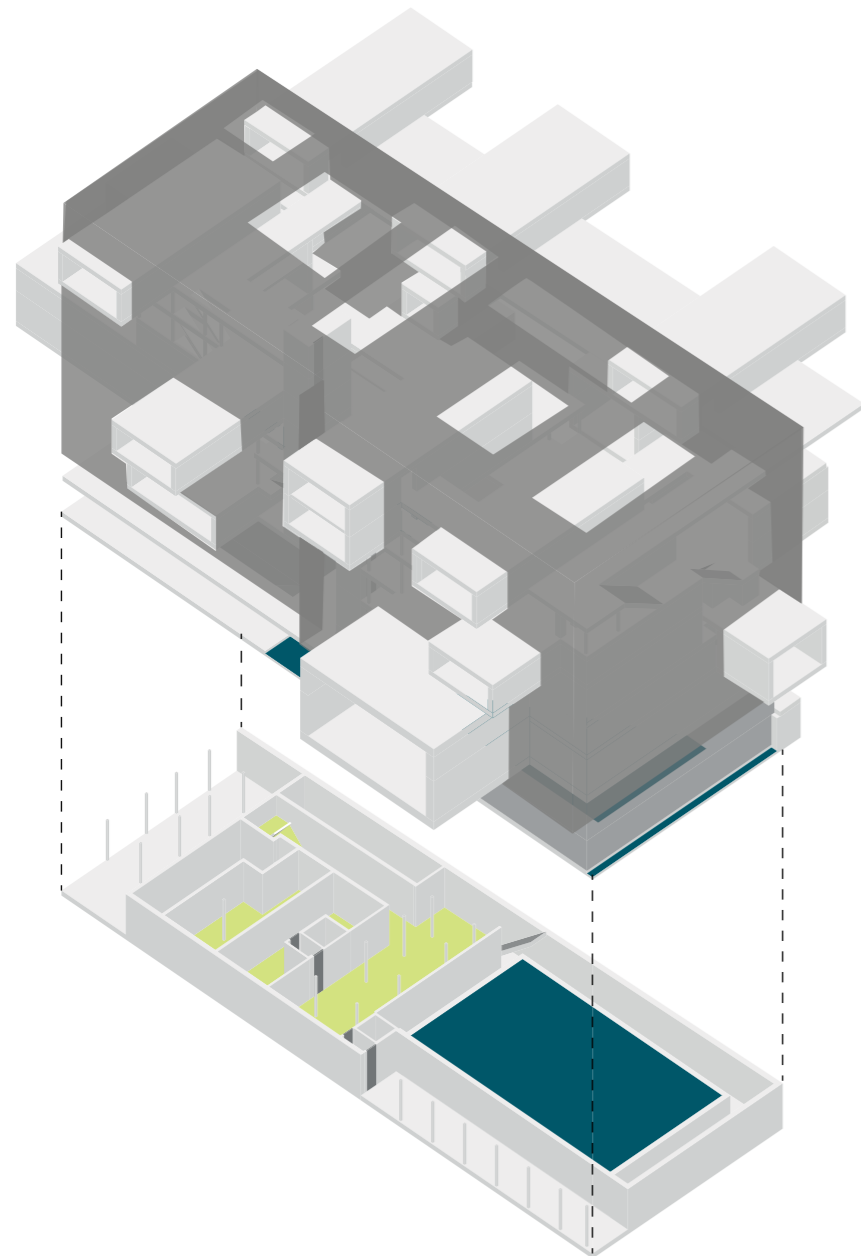
# 04 BOX-in-BOX

Plans

LEVEL -2



Swimmingpool



# Swimmingpool

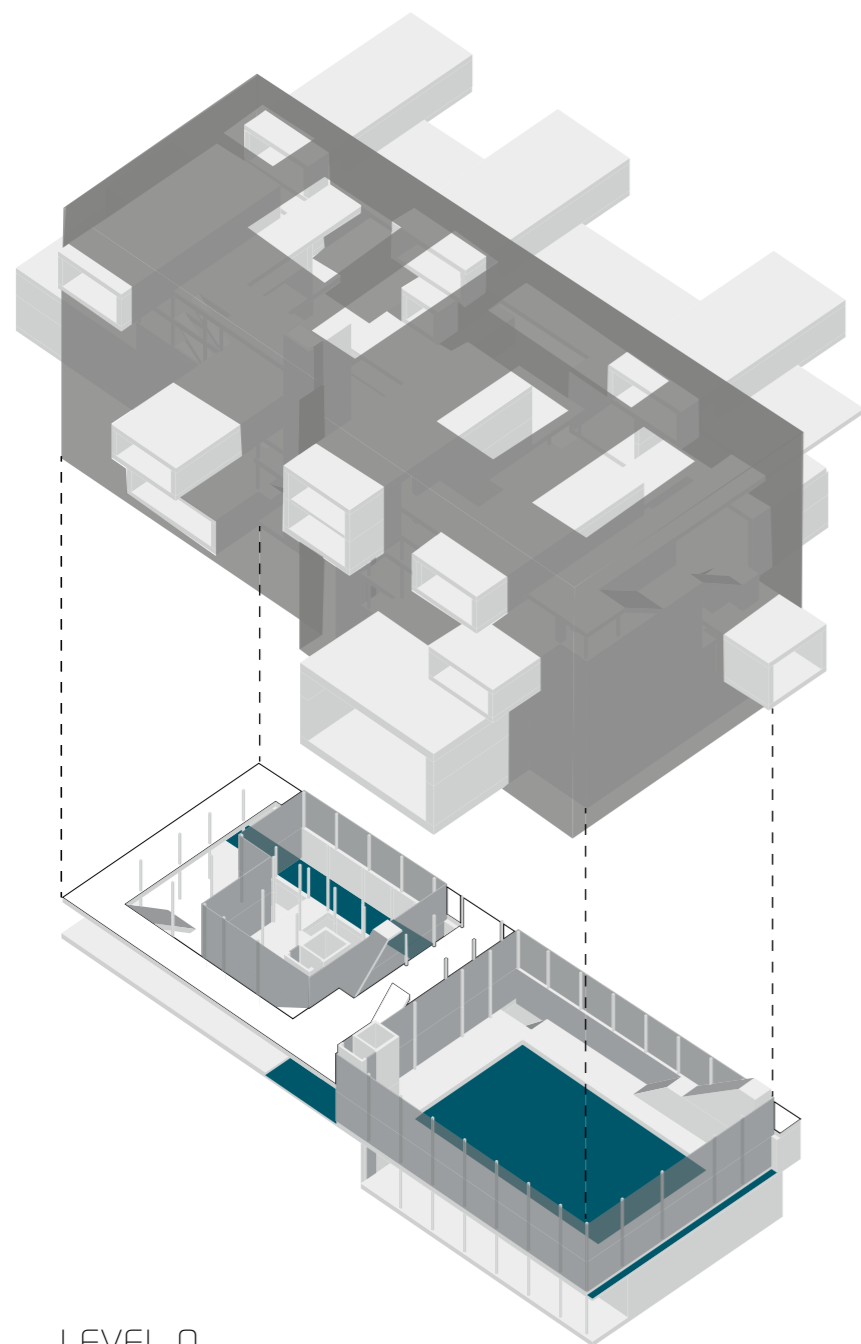




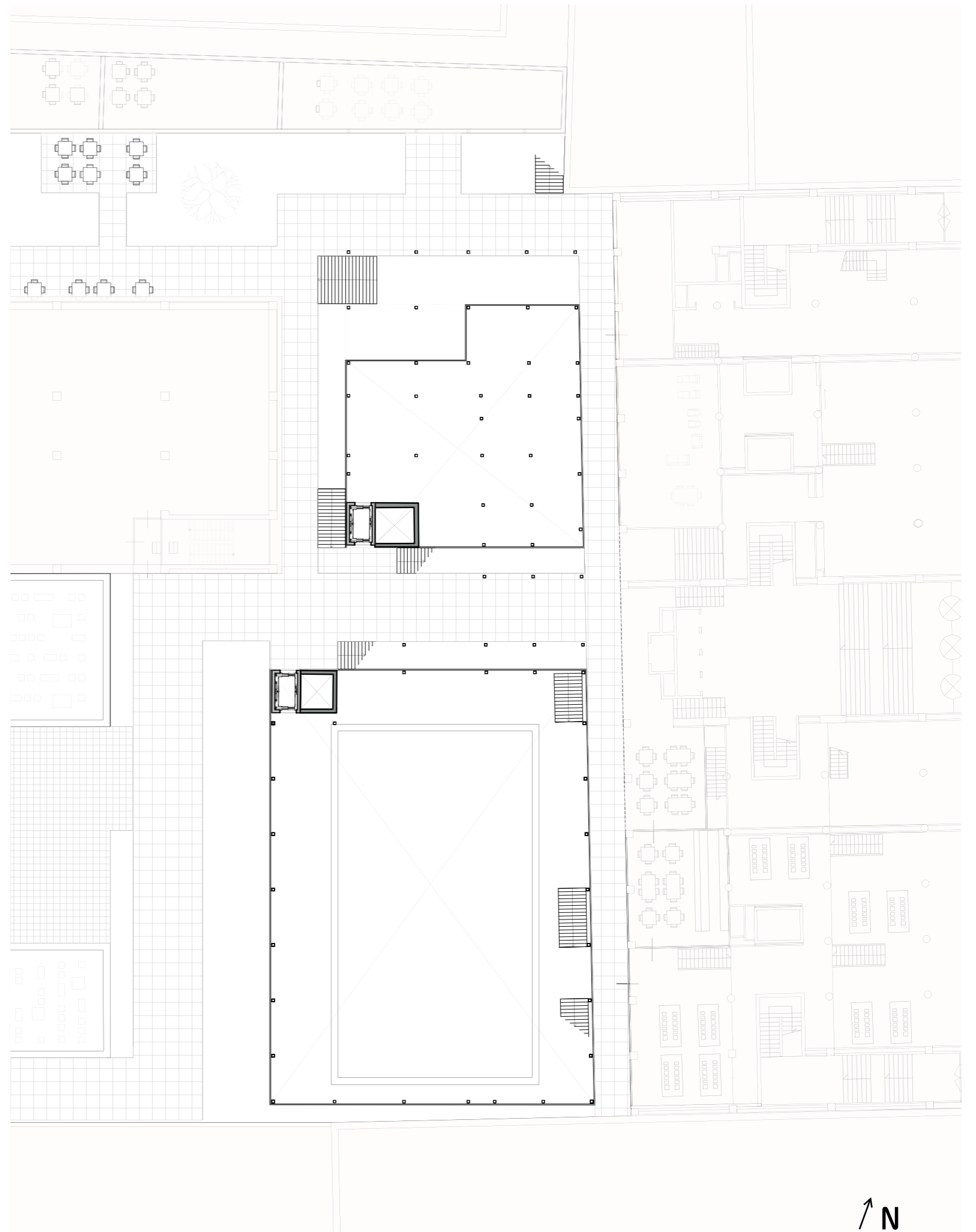
# 04 BOX-in-BOX

Plans

LEVEL 0



LEVEL 0



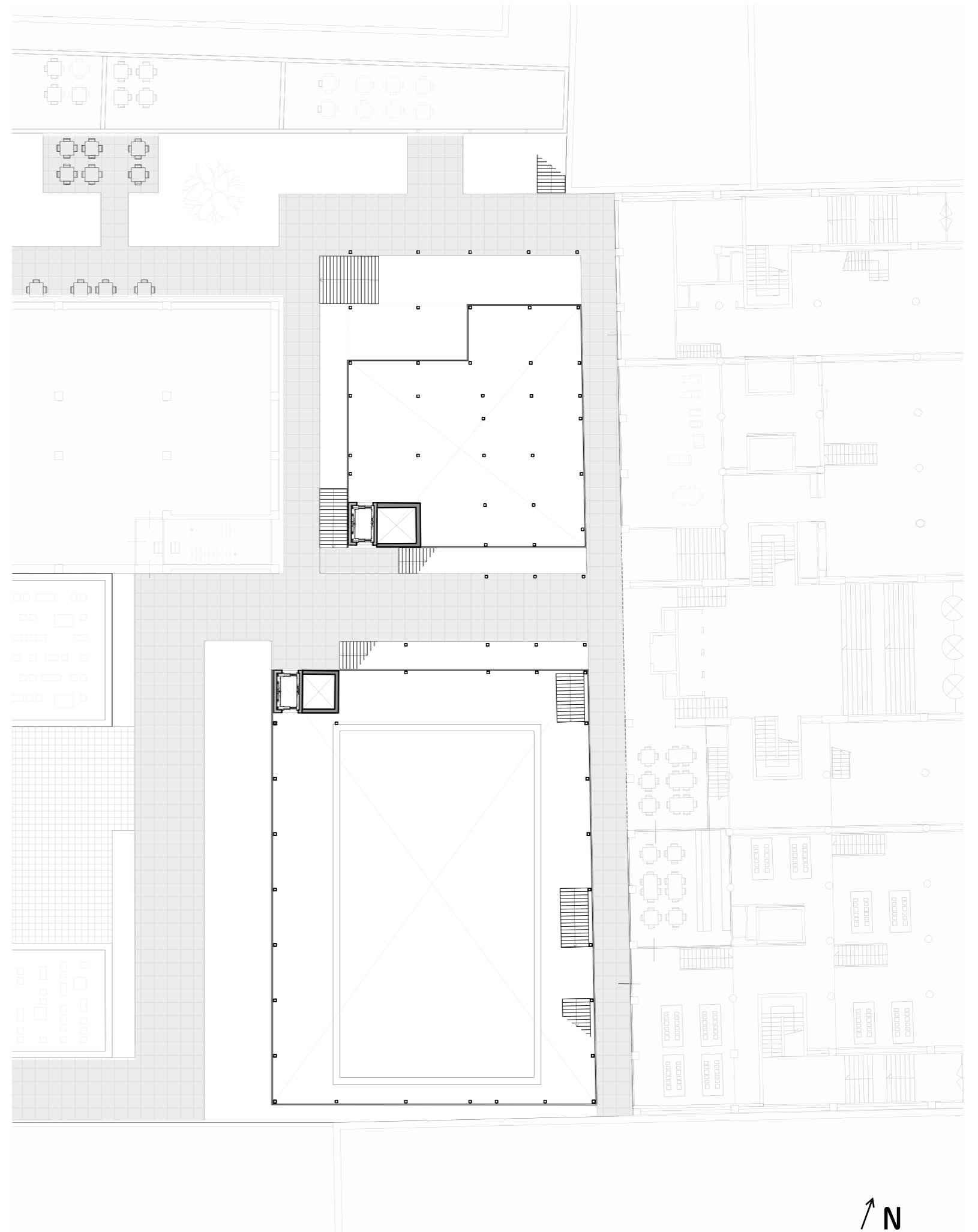
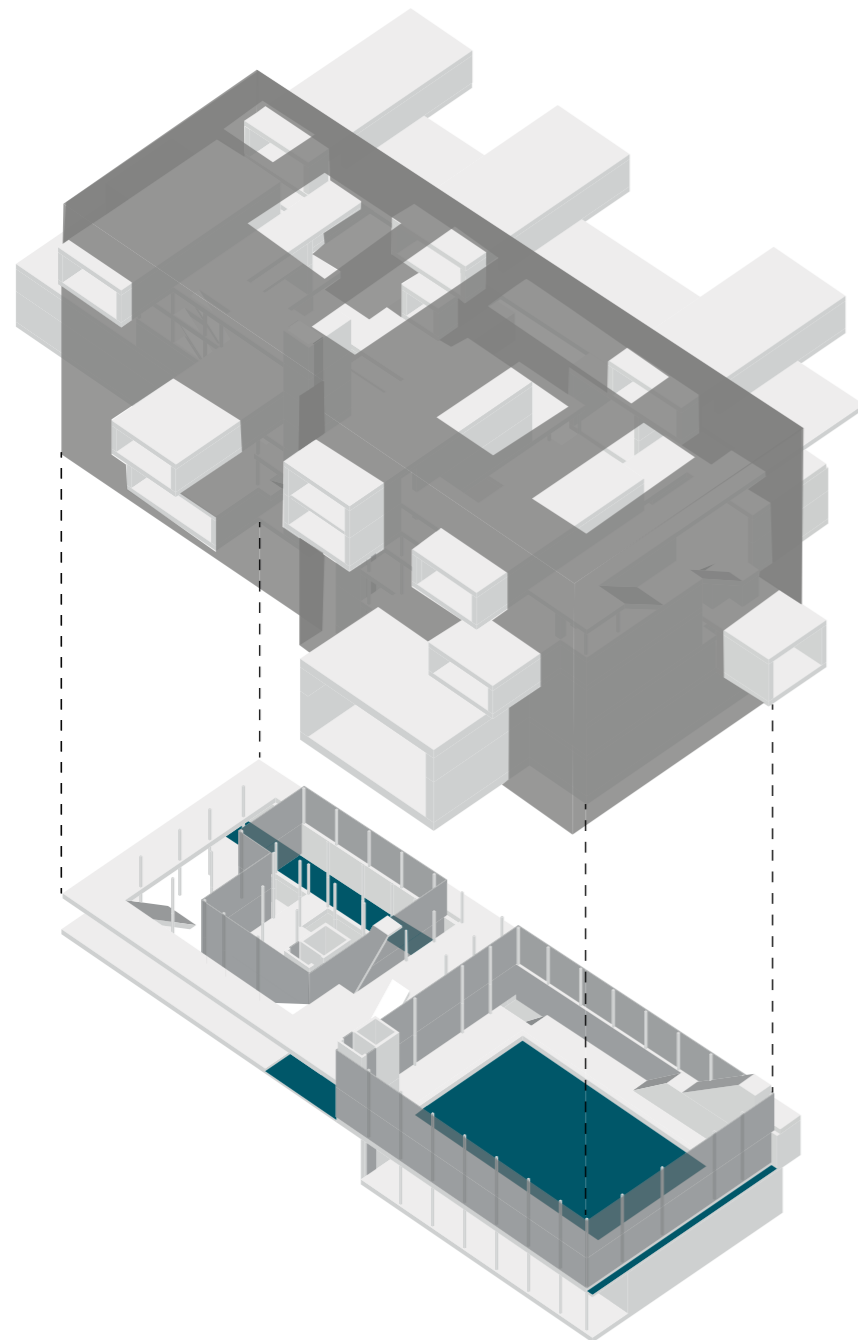
# 04 BOX-in-BOX

Plans

LEVEL 0



Walking path



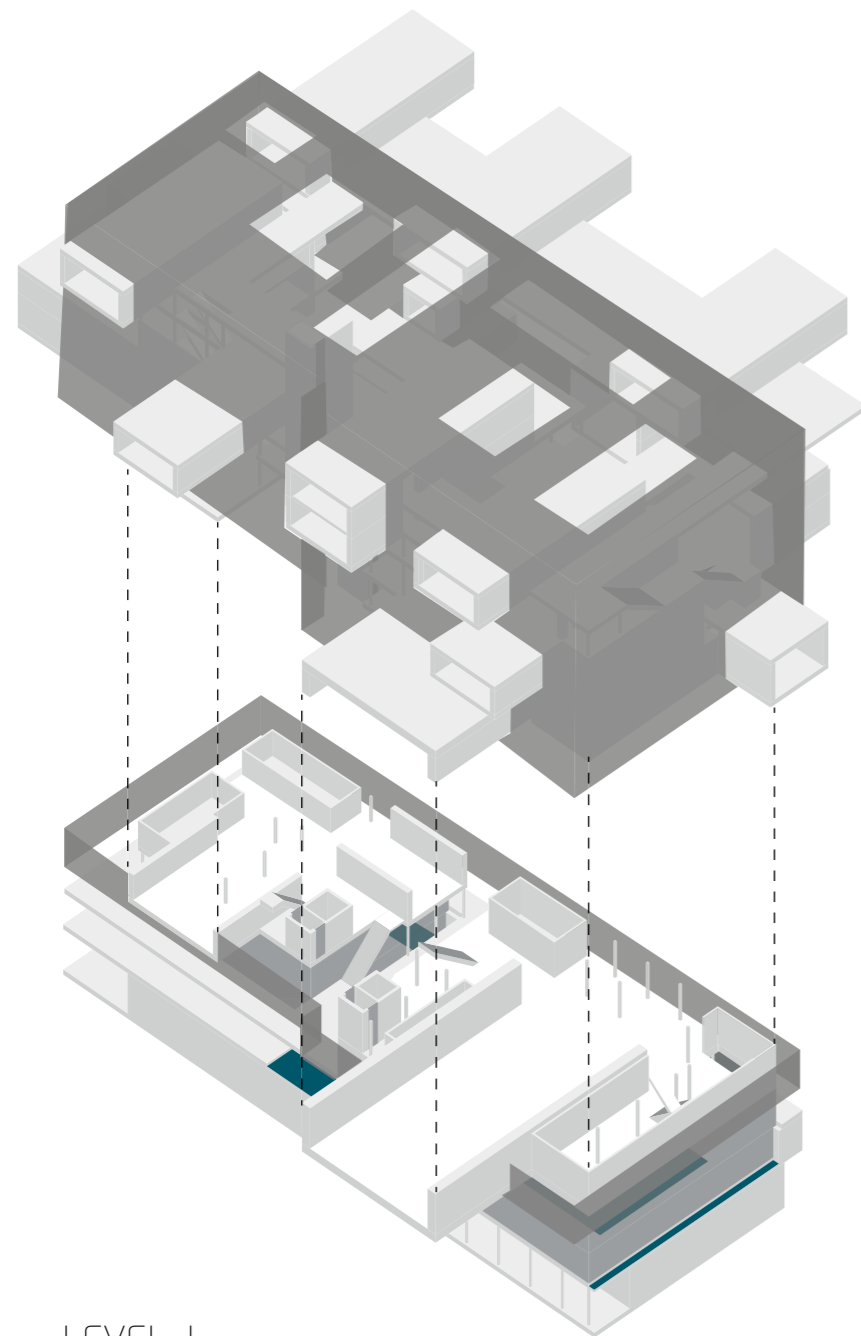
Second entrance



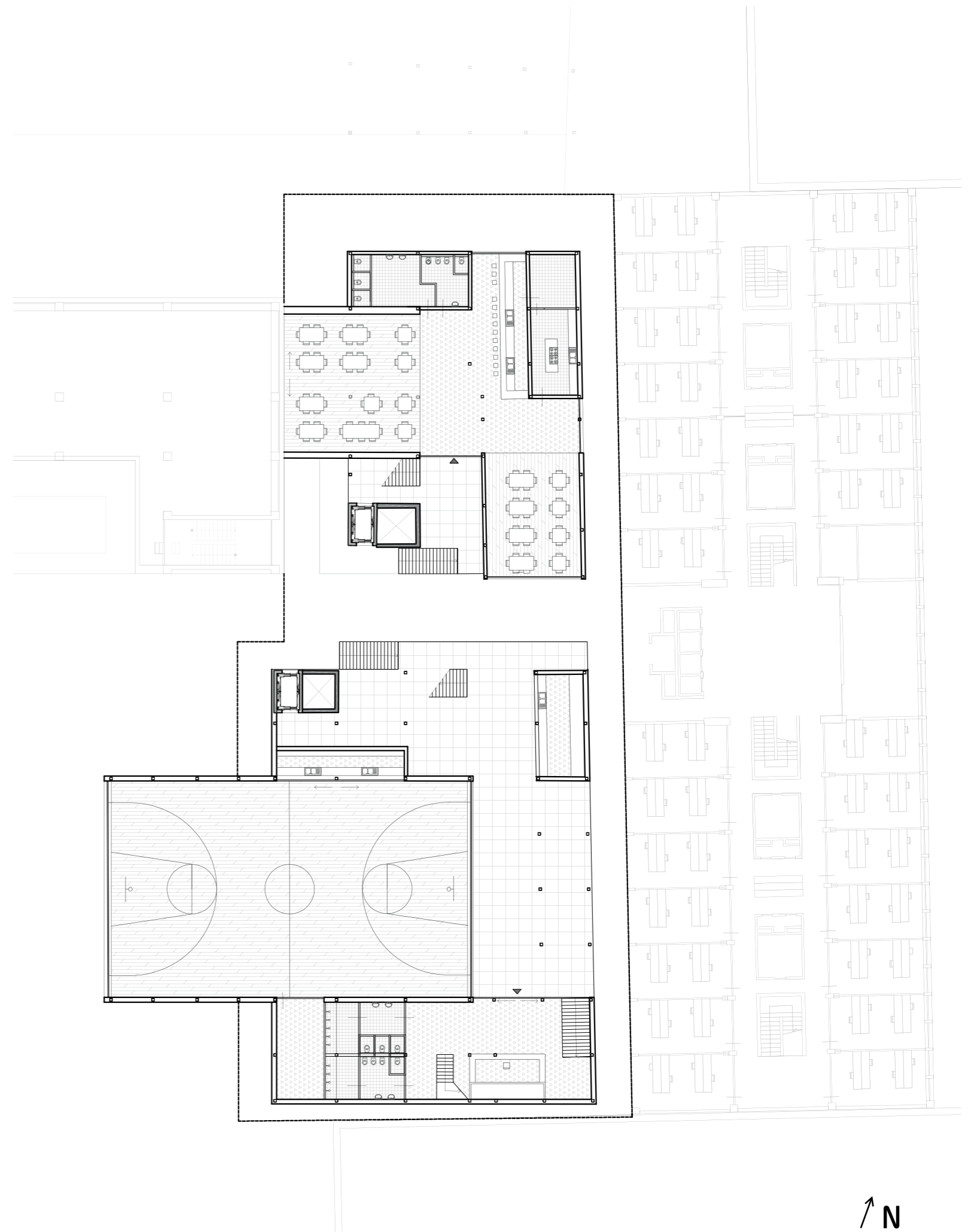
# 04 BOX-in-BOX

Plans

LEVEL I



LEVEL I



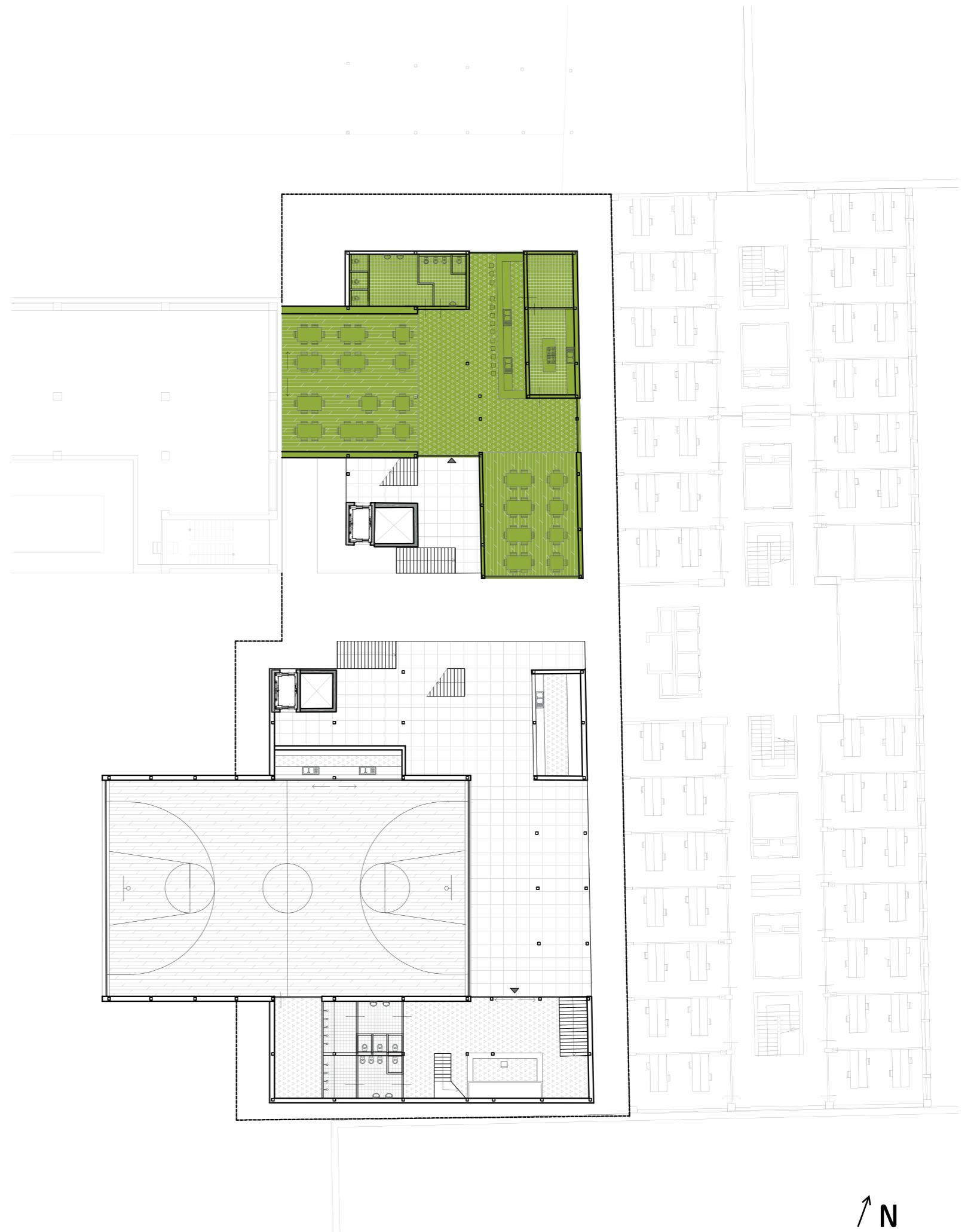
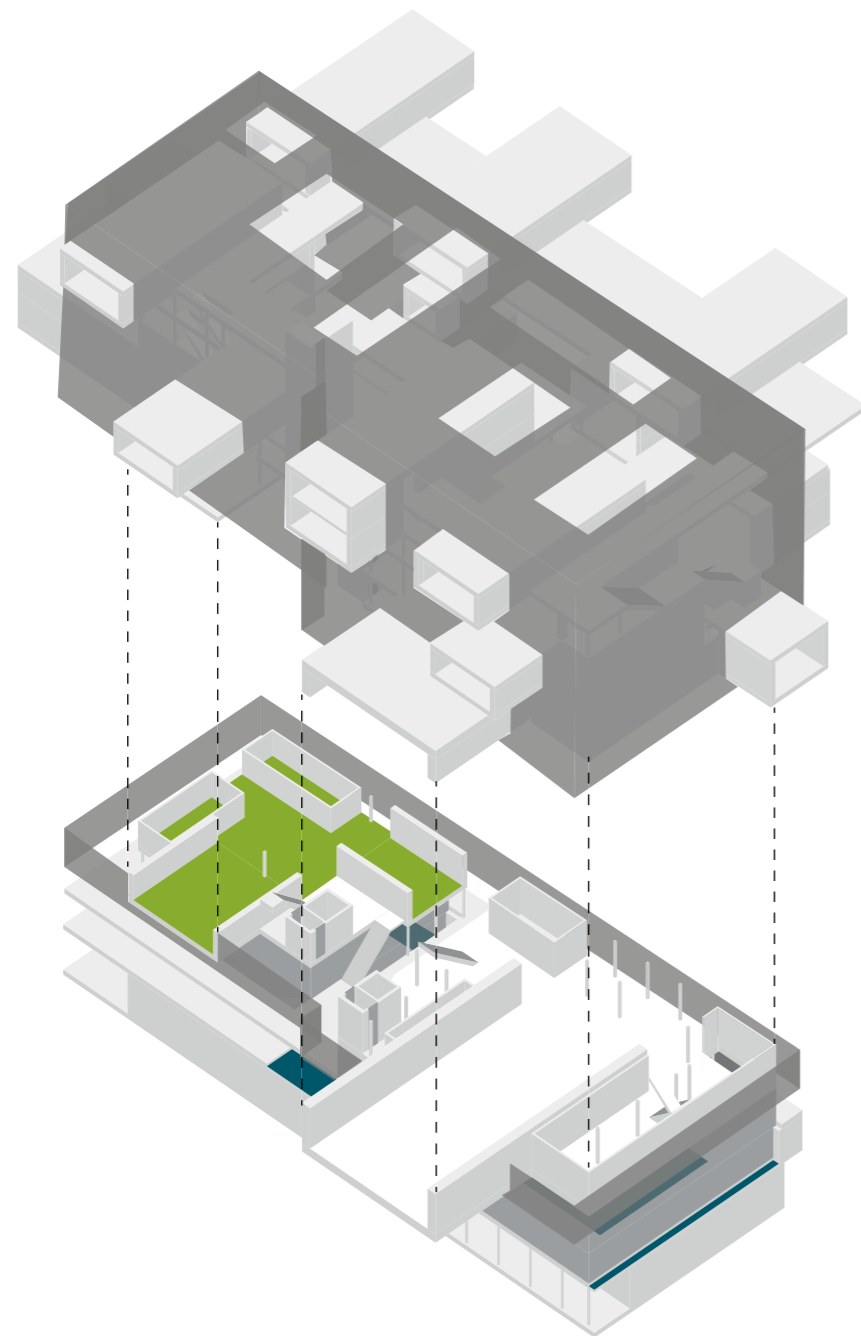
# 03 Design

Plans

LEVEL 1



Musicbar



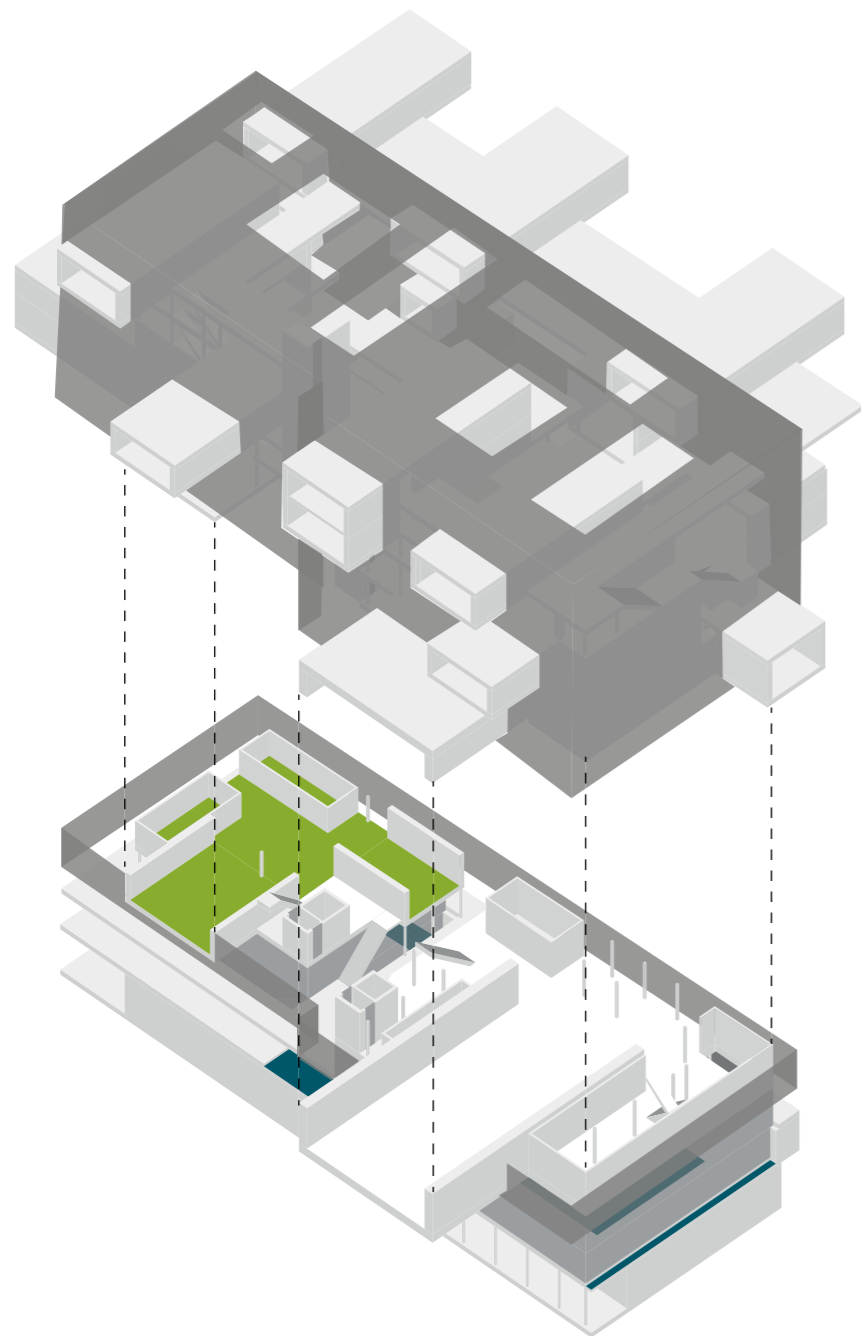
# 03 Design

Plans

LEVEL 1



Musicbar



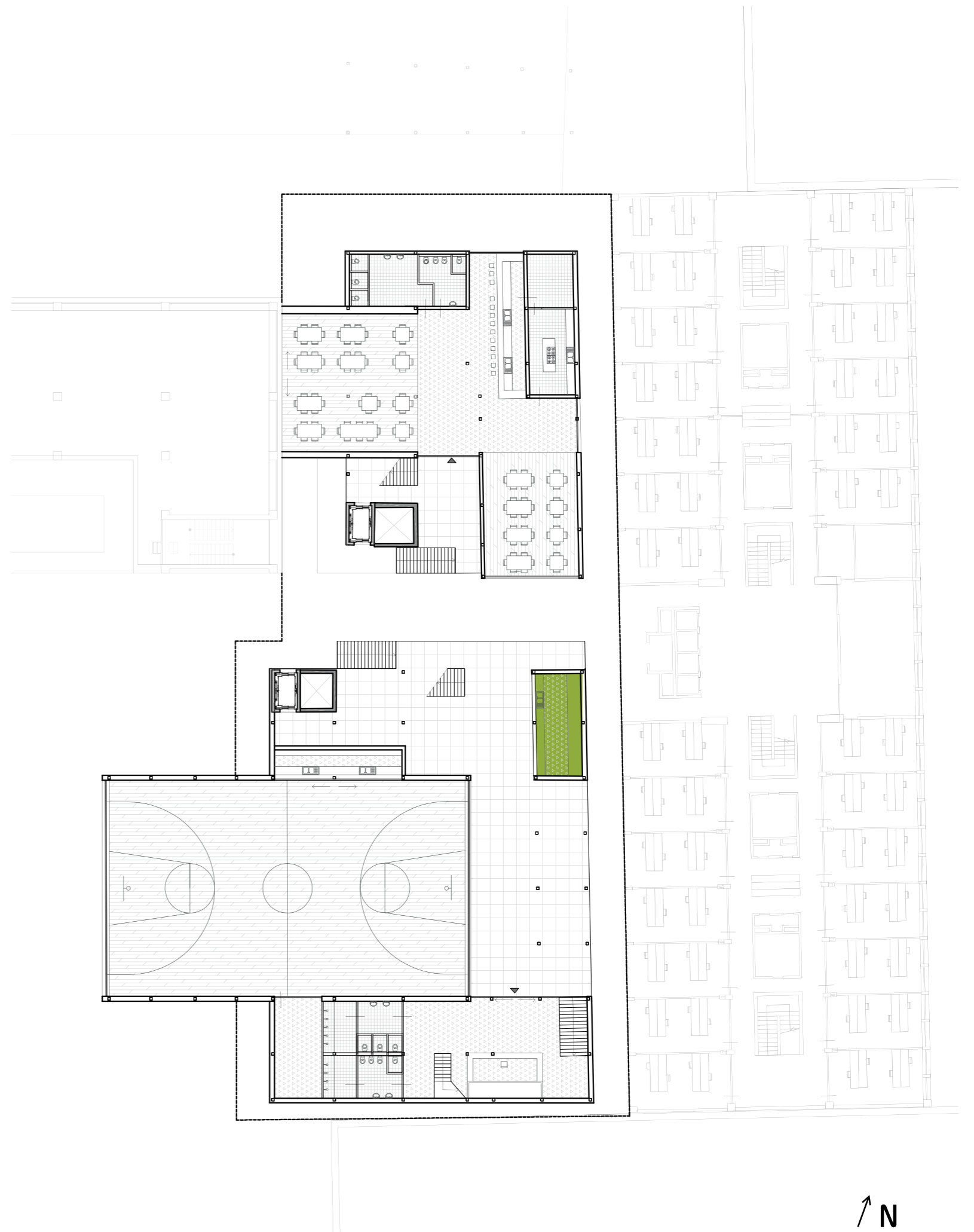
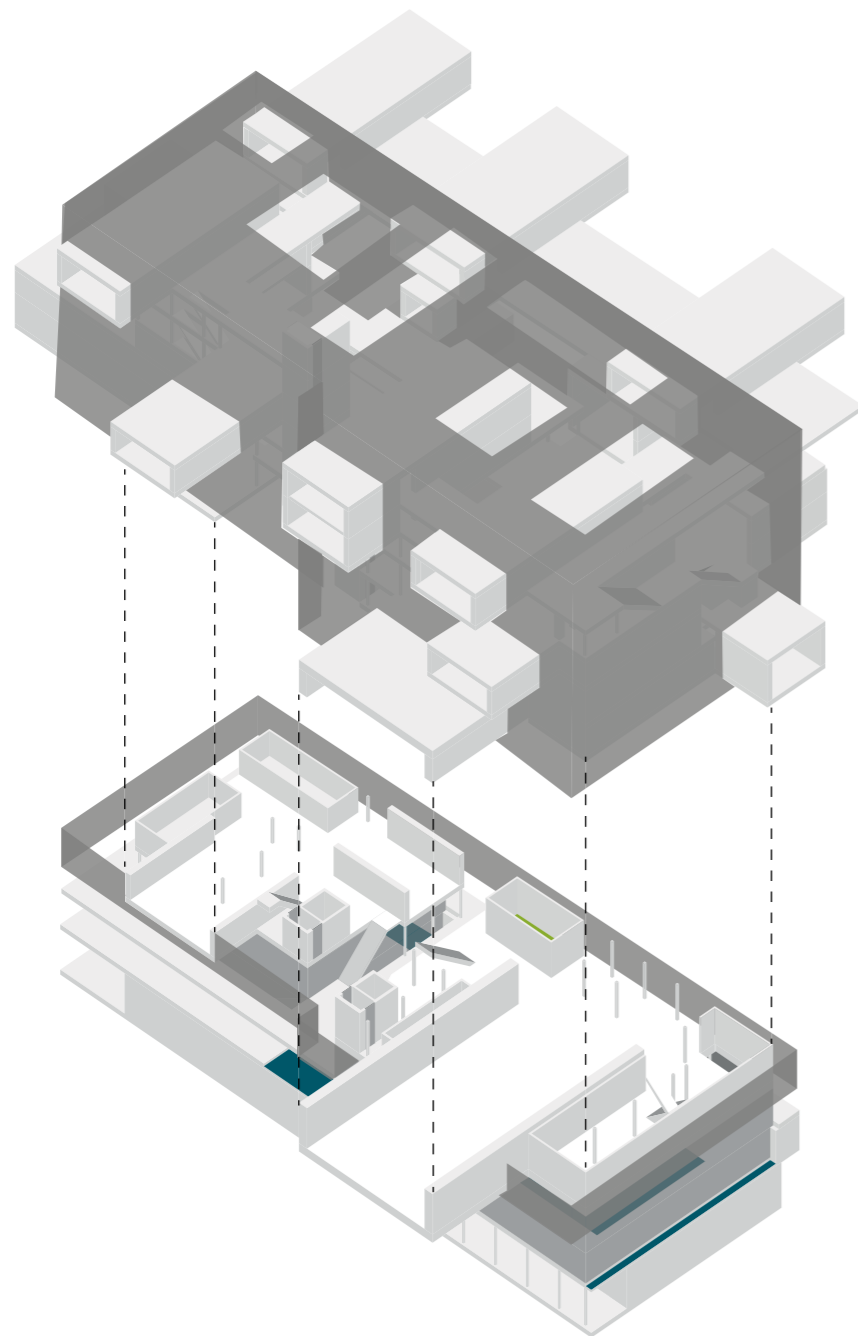
# 04 BOX-in-BOX

Plans

LEVEL 1



Juice bar



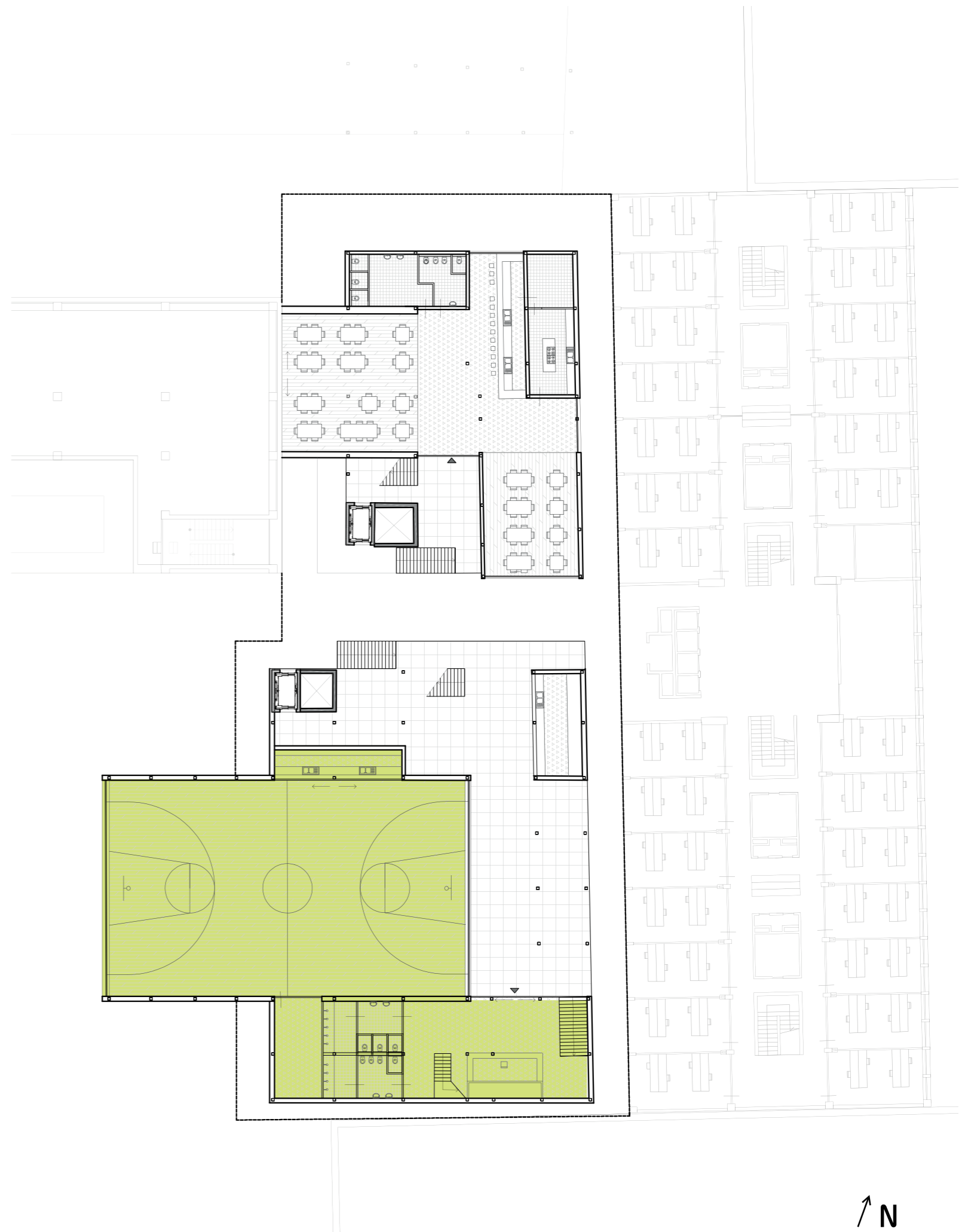
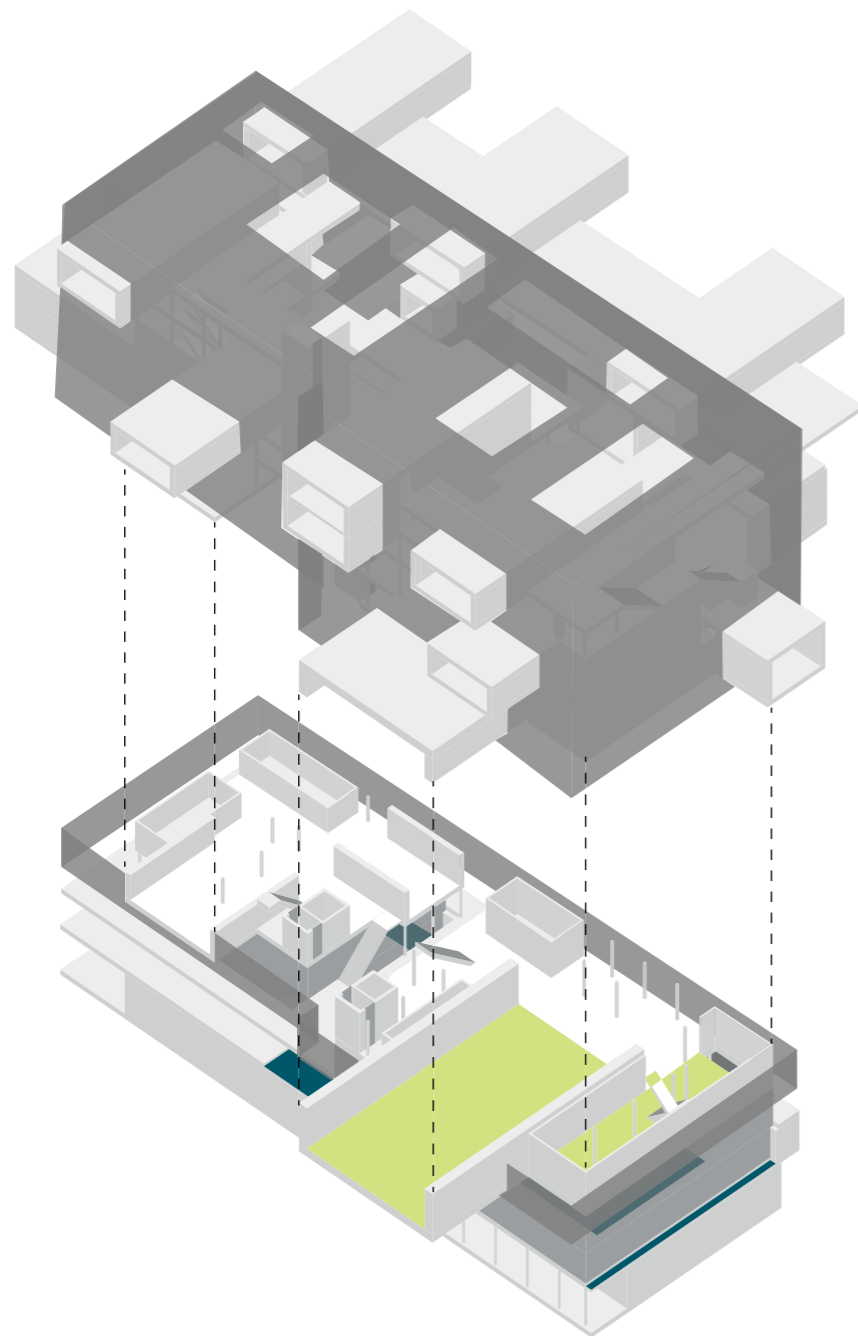
# 04 BOX-in-BOX

Plans

LEVEL I



Sports area





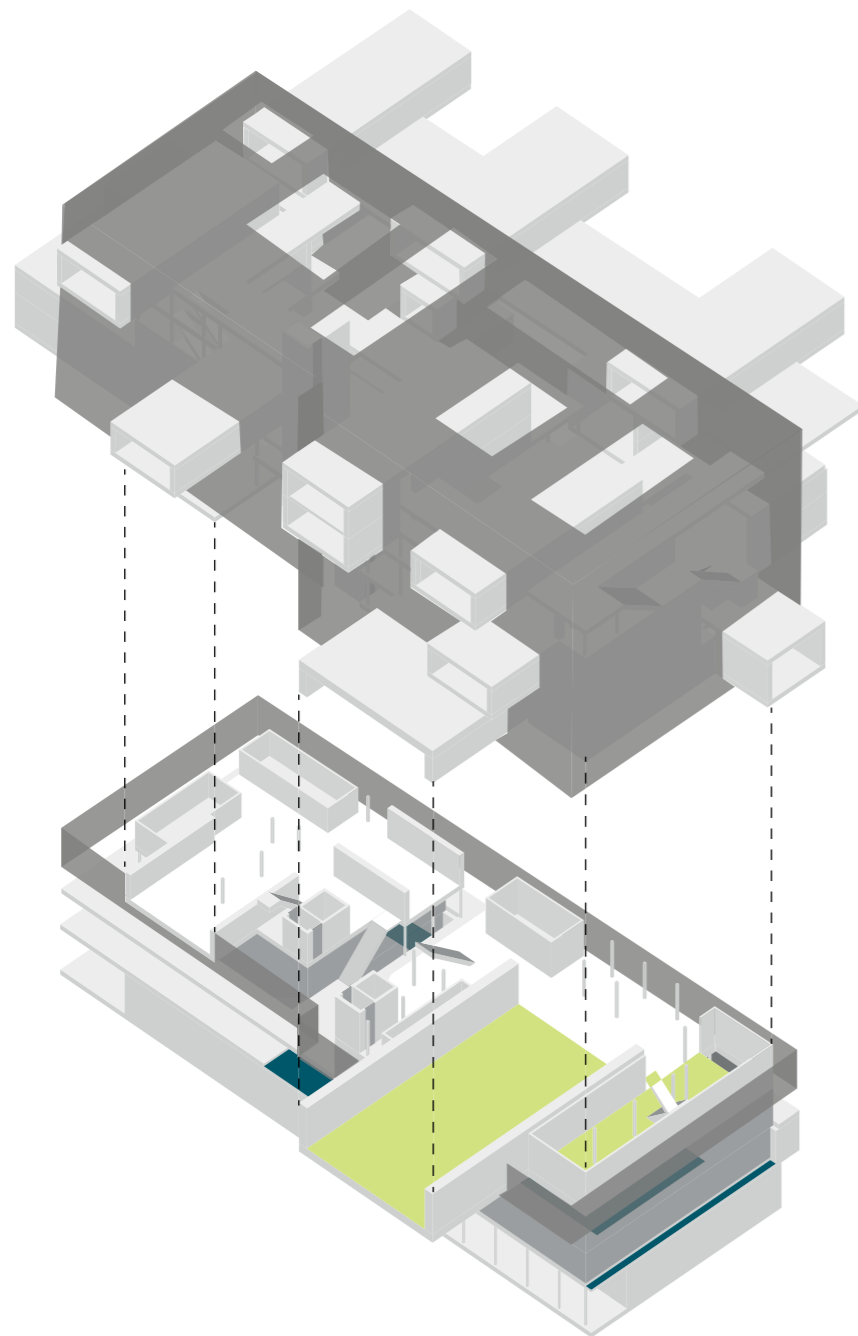
# 04 BOX-in-BOX

Plans

LEVEL 1



Sports area: entrance/ changing rooms



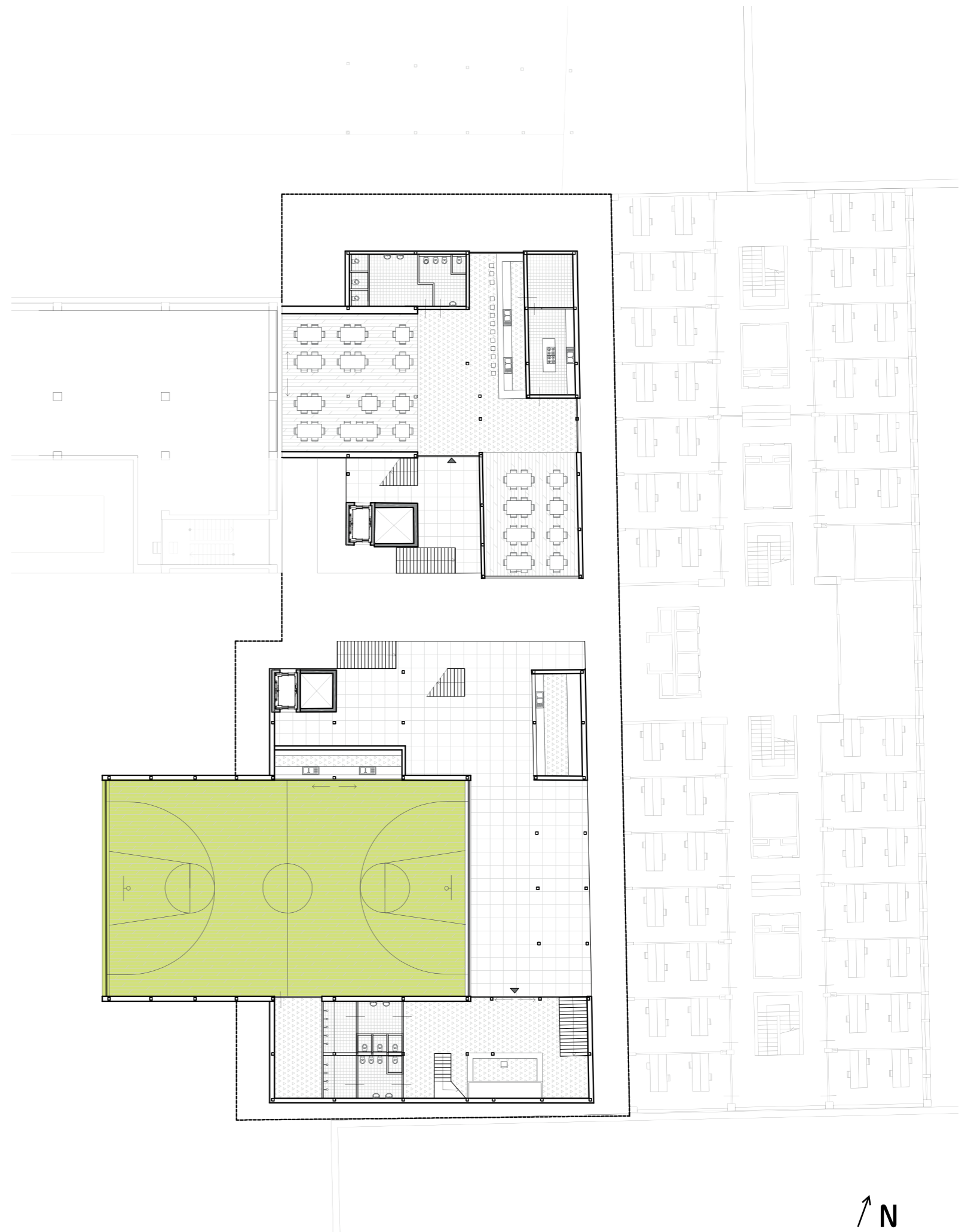
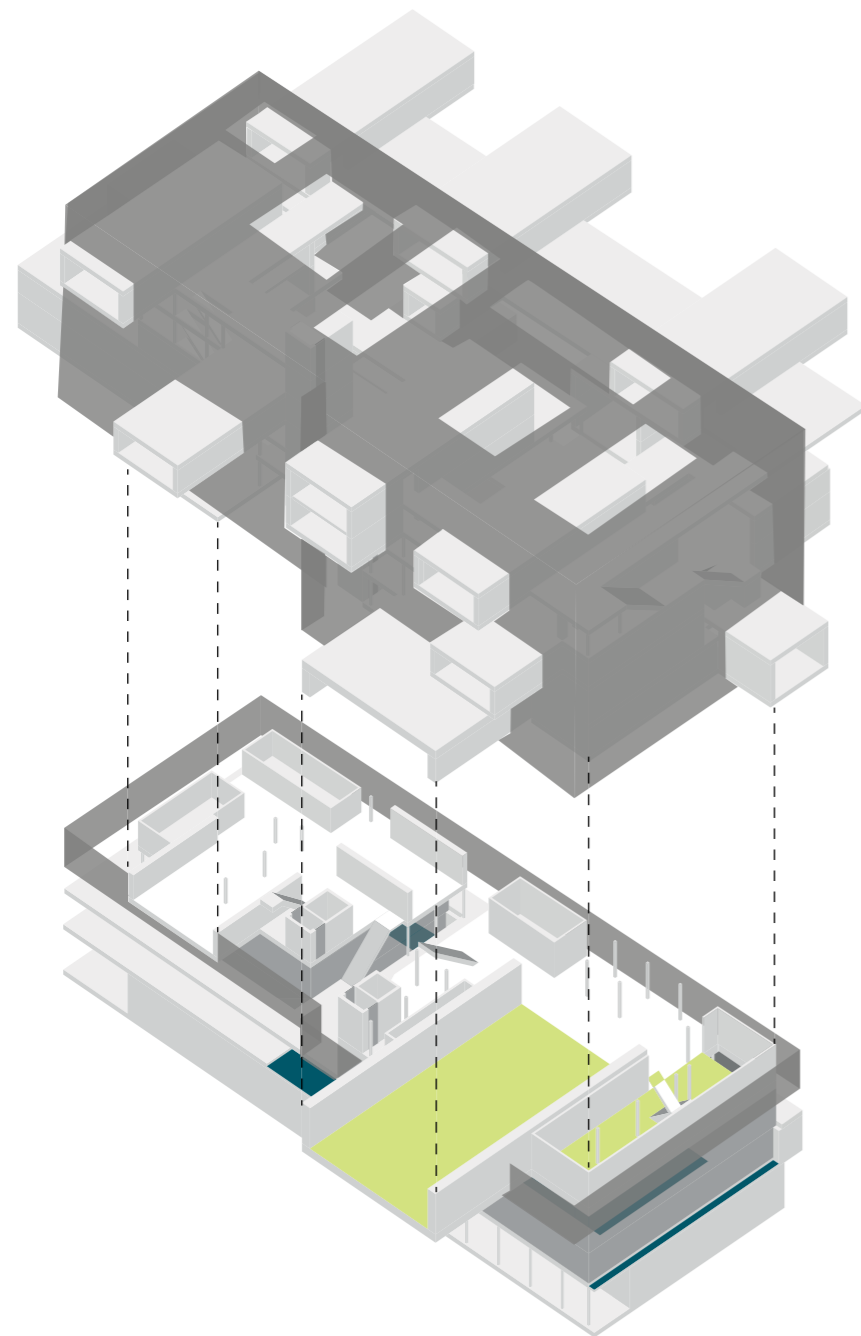
# 04 BOX-in-BOX

Plans

LEVEL 1



Sports area: sports field



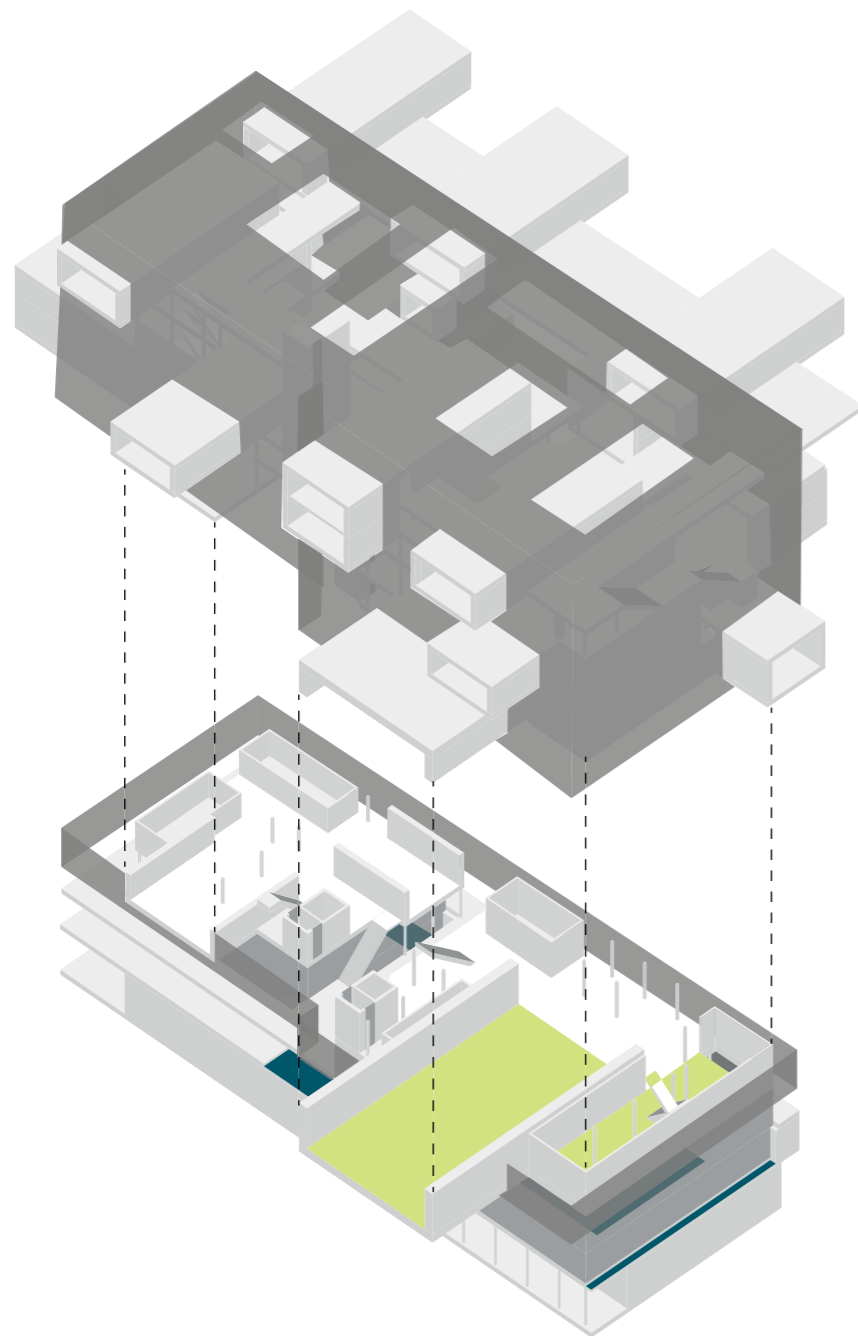
# 04 BOX-in-BOX

Plans

LEVEL 1



Sports area: bar



Music bar



Juice bar

JICEBAR



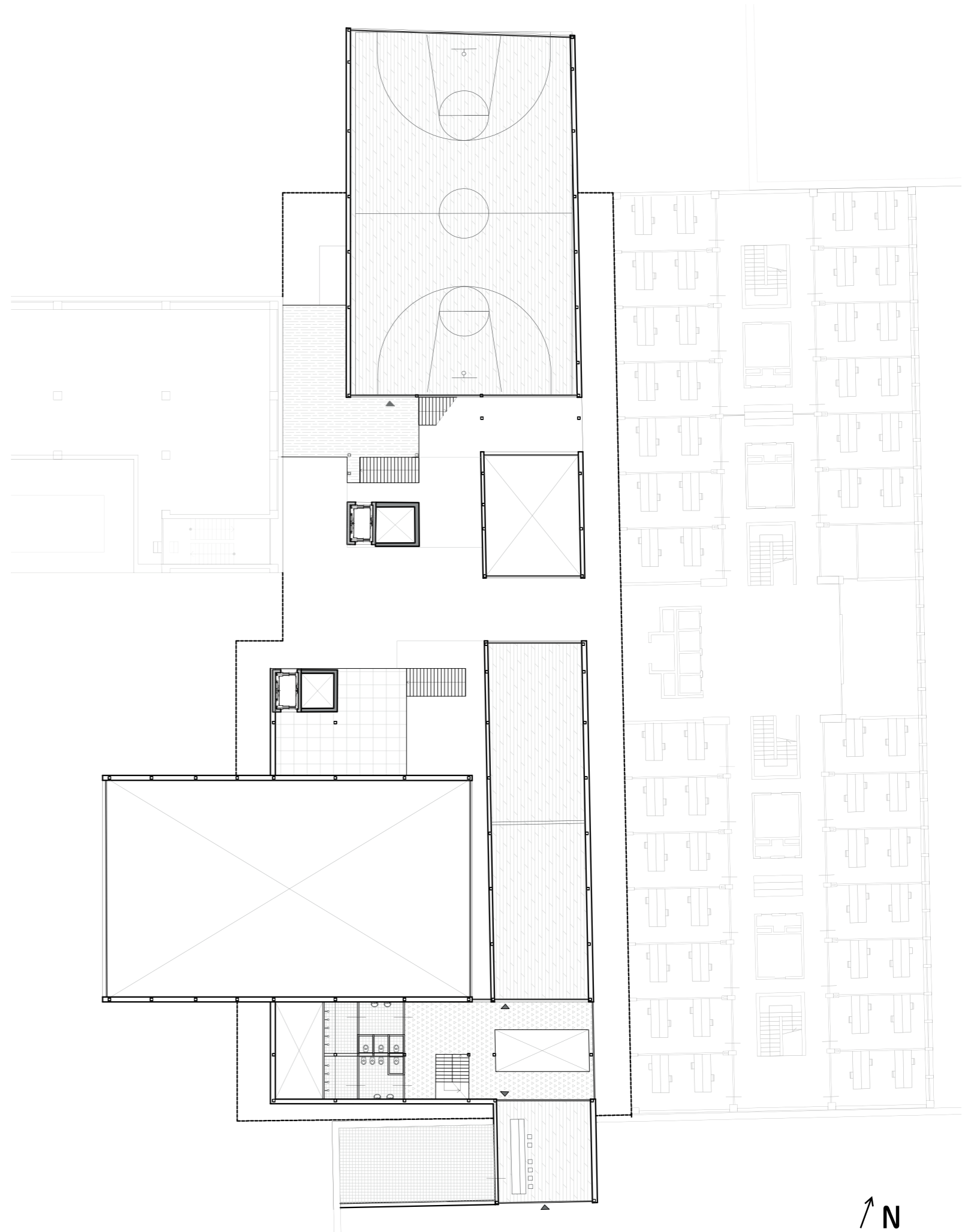
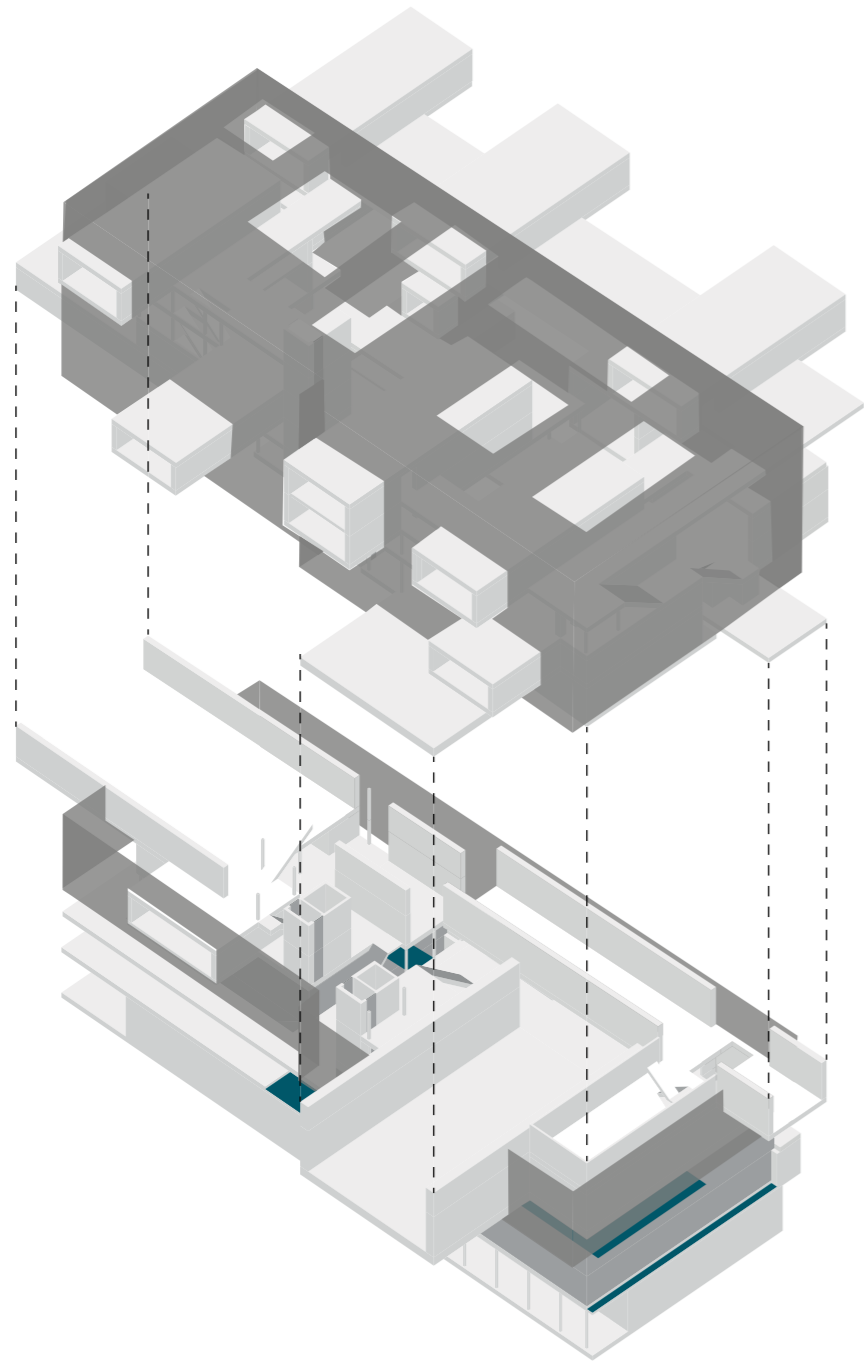
Sports entrance



# 04 BOX-in-BOX

Plans

LEVEL 2



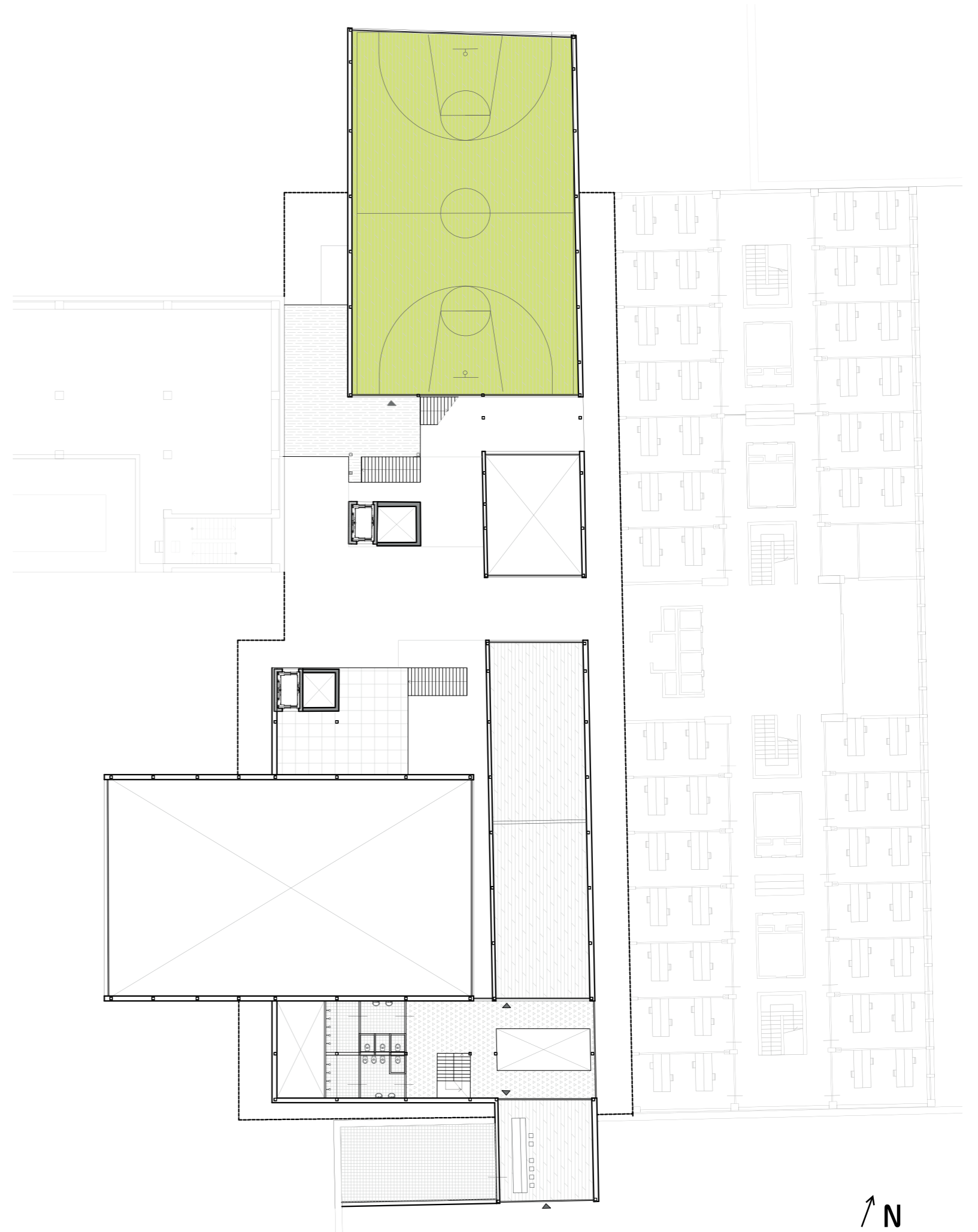
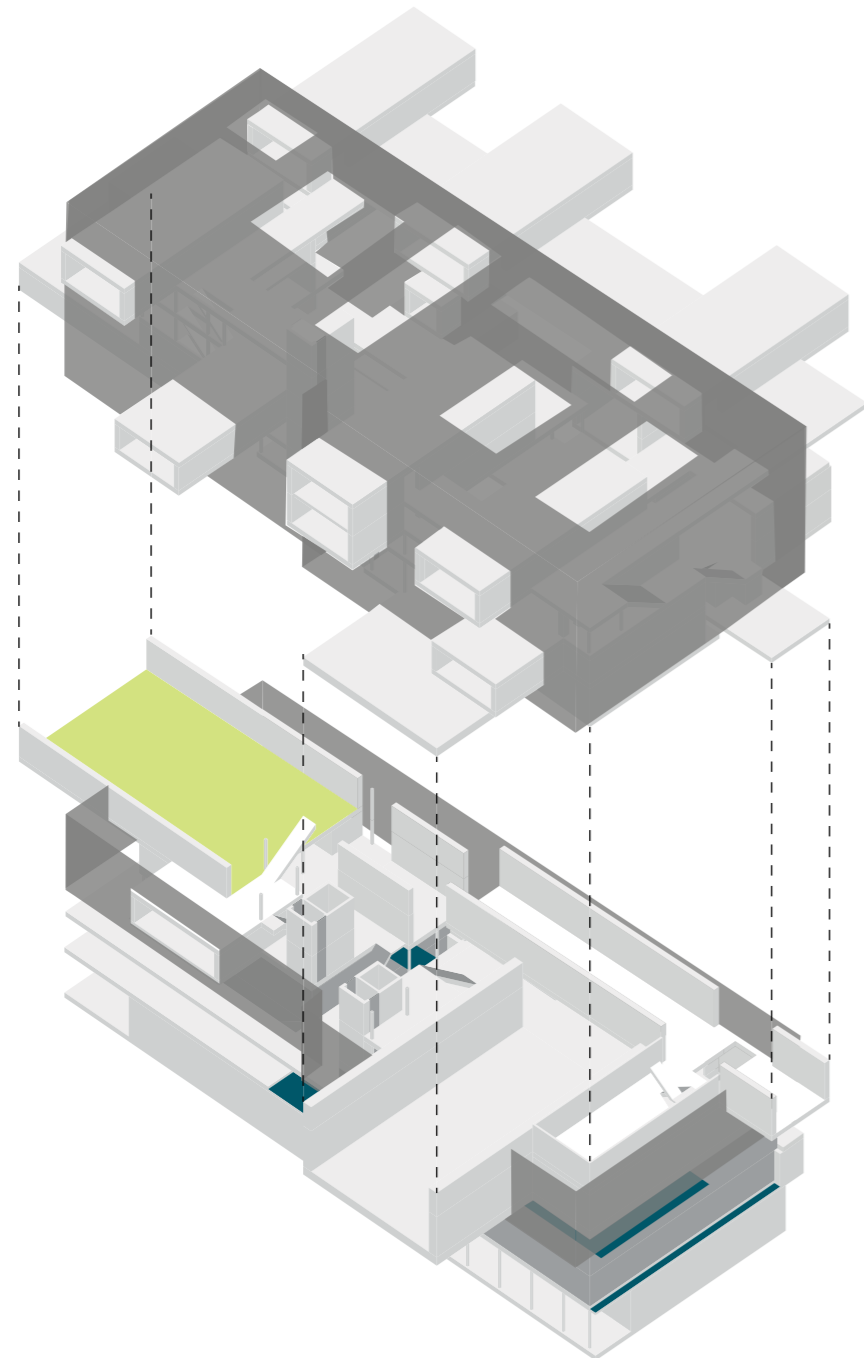
# 04 BOX-in-BOX

Plans

LEVEL 2



Sports area





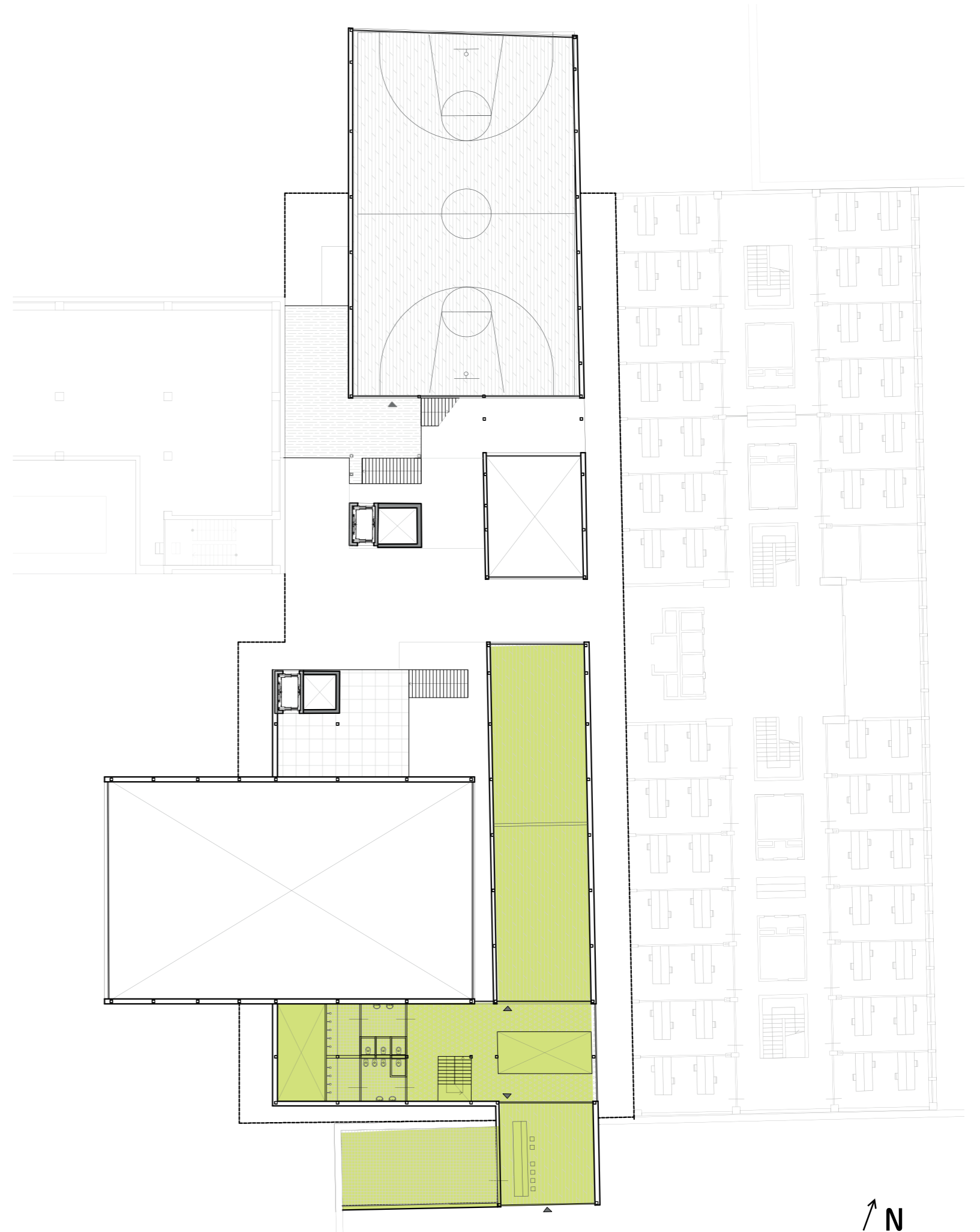
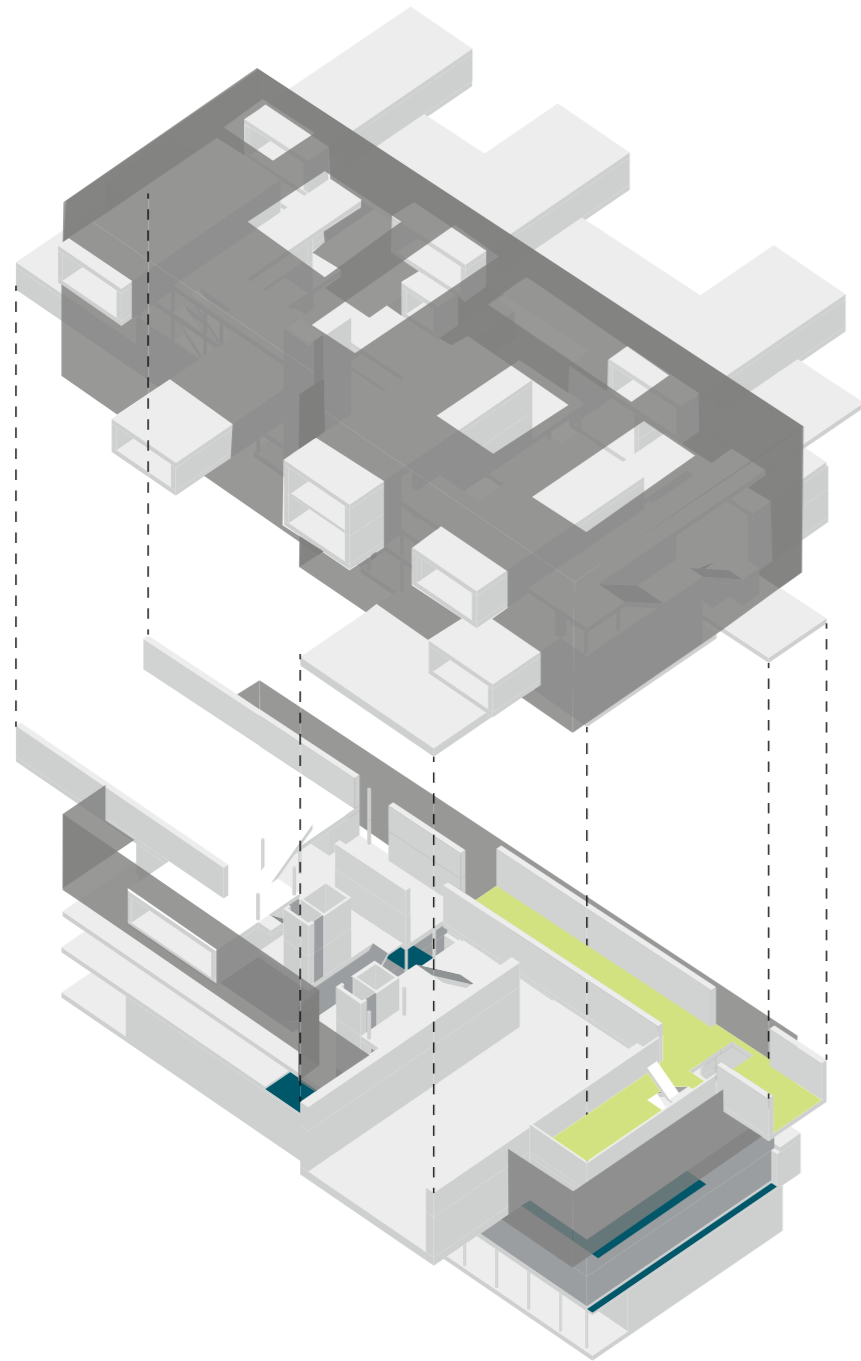
# 04 BOX-in-BOX

Plans

LEVEL 2



Dance area



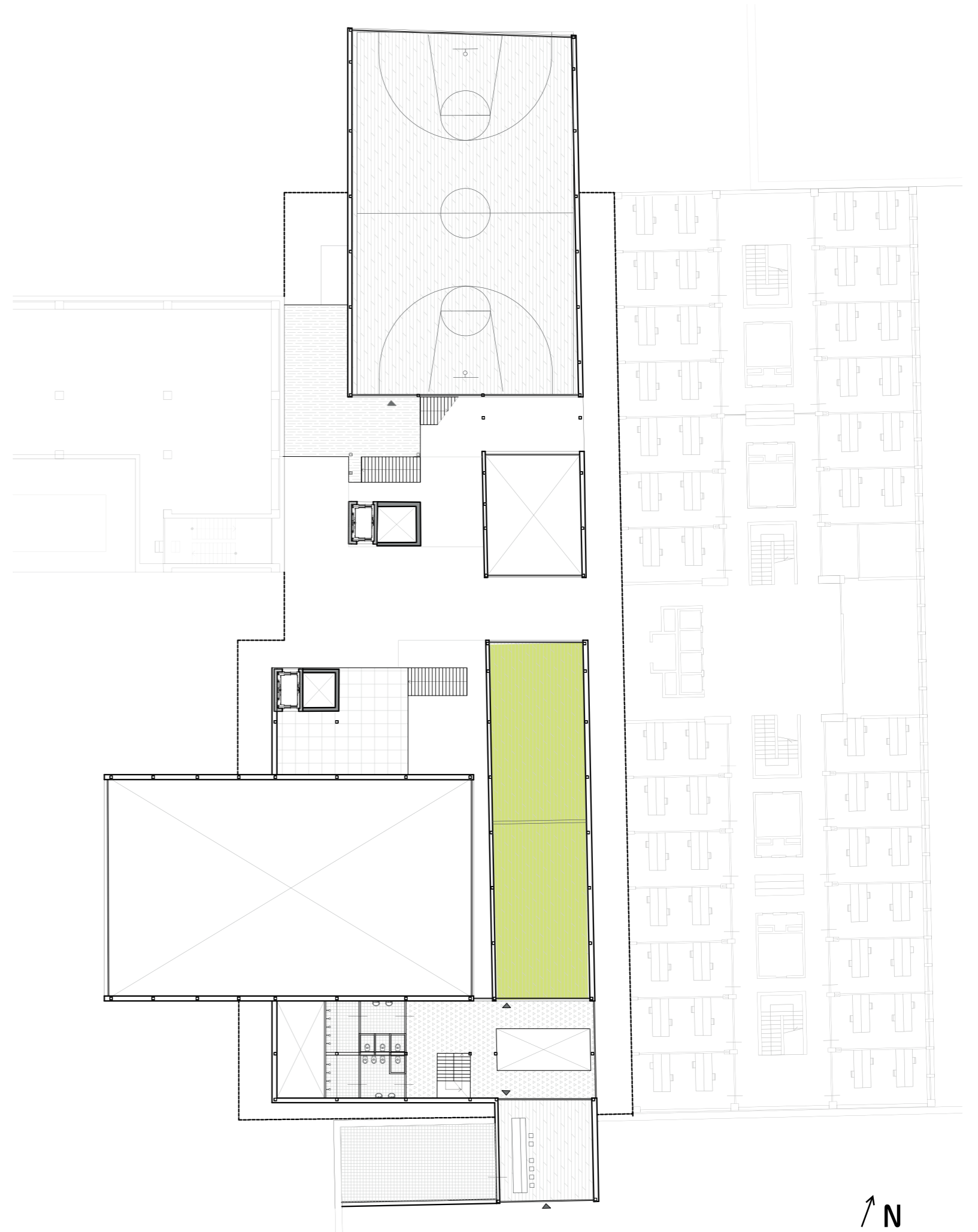
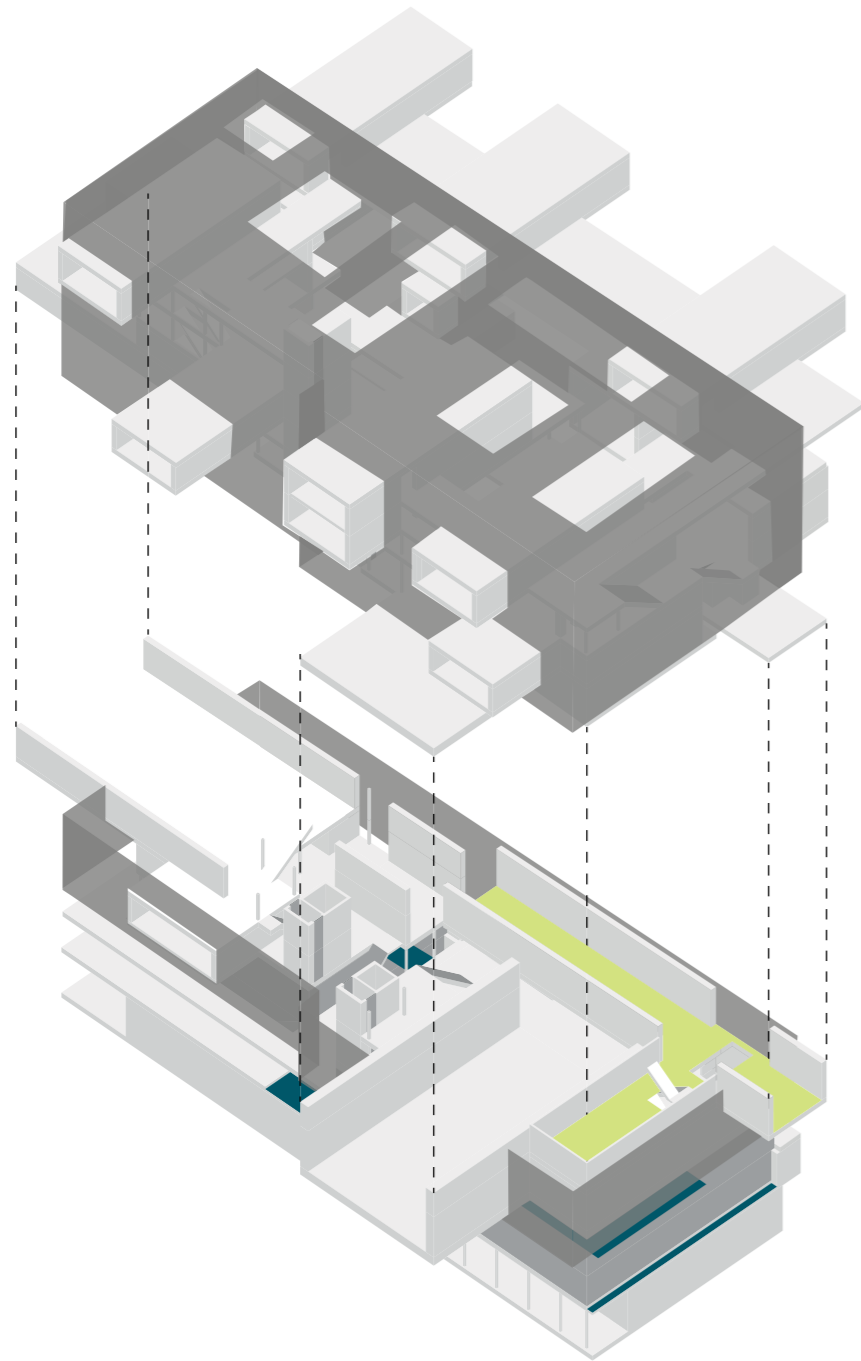
# 04 BOX-in-BOX

Plans

LEVEL 2



Dance area



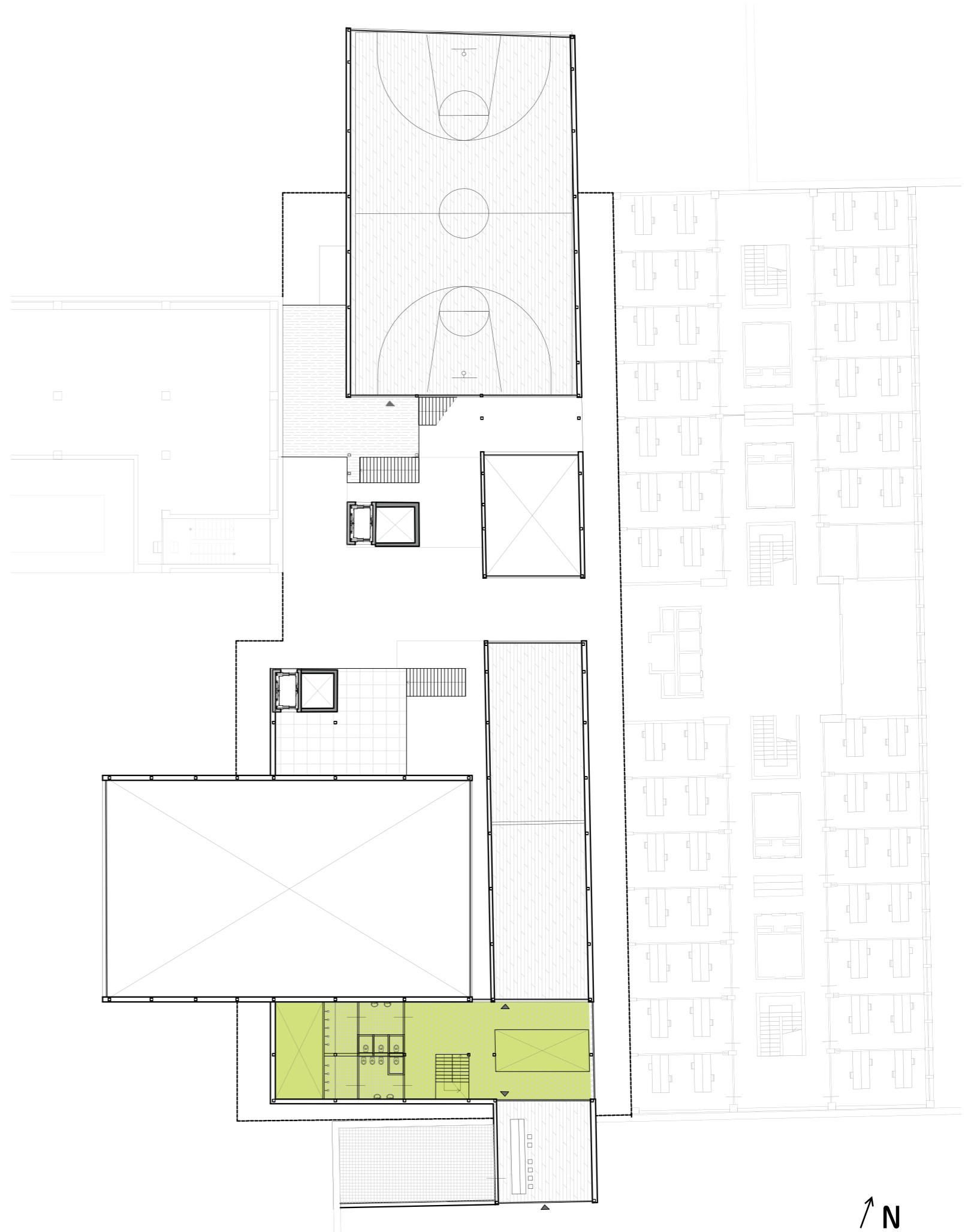
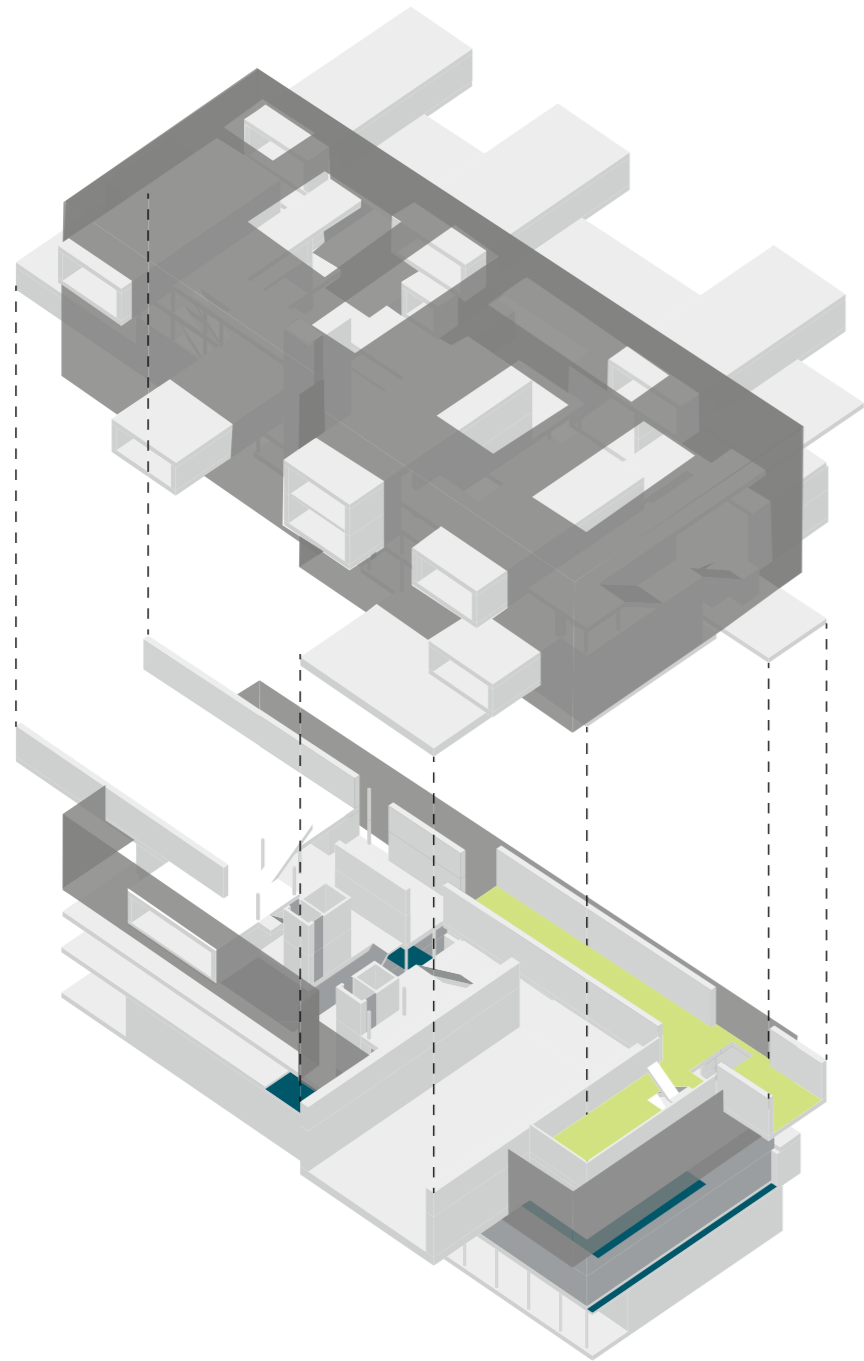
# 04 BOX-in-BOX

Plans

LEVEL 2



Dance area: entrance/ changing rooms



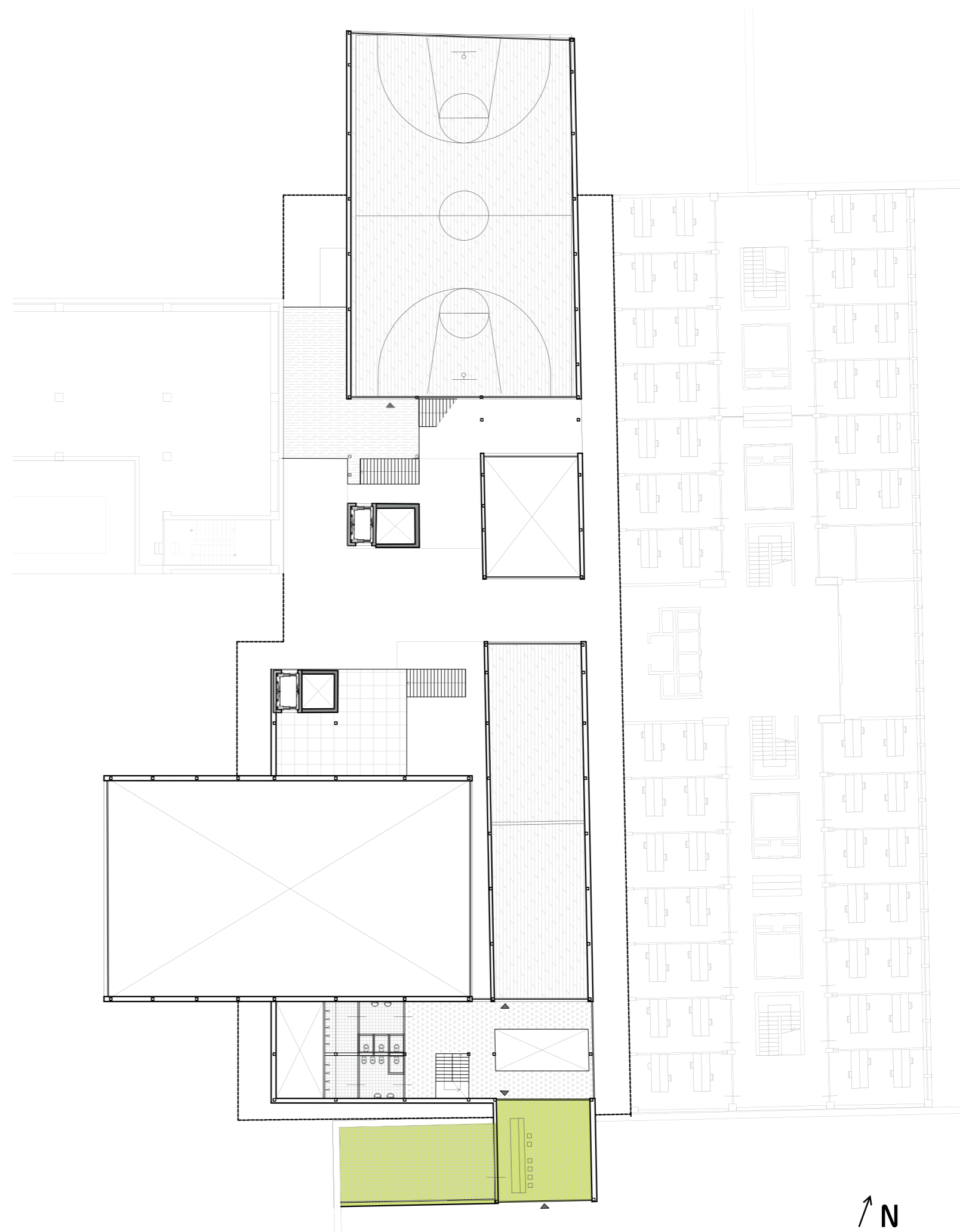
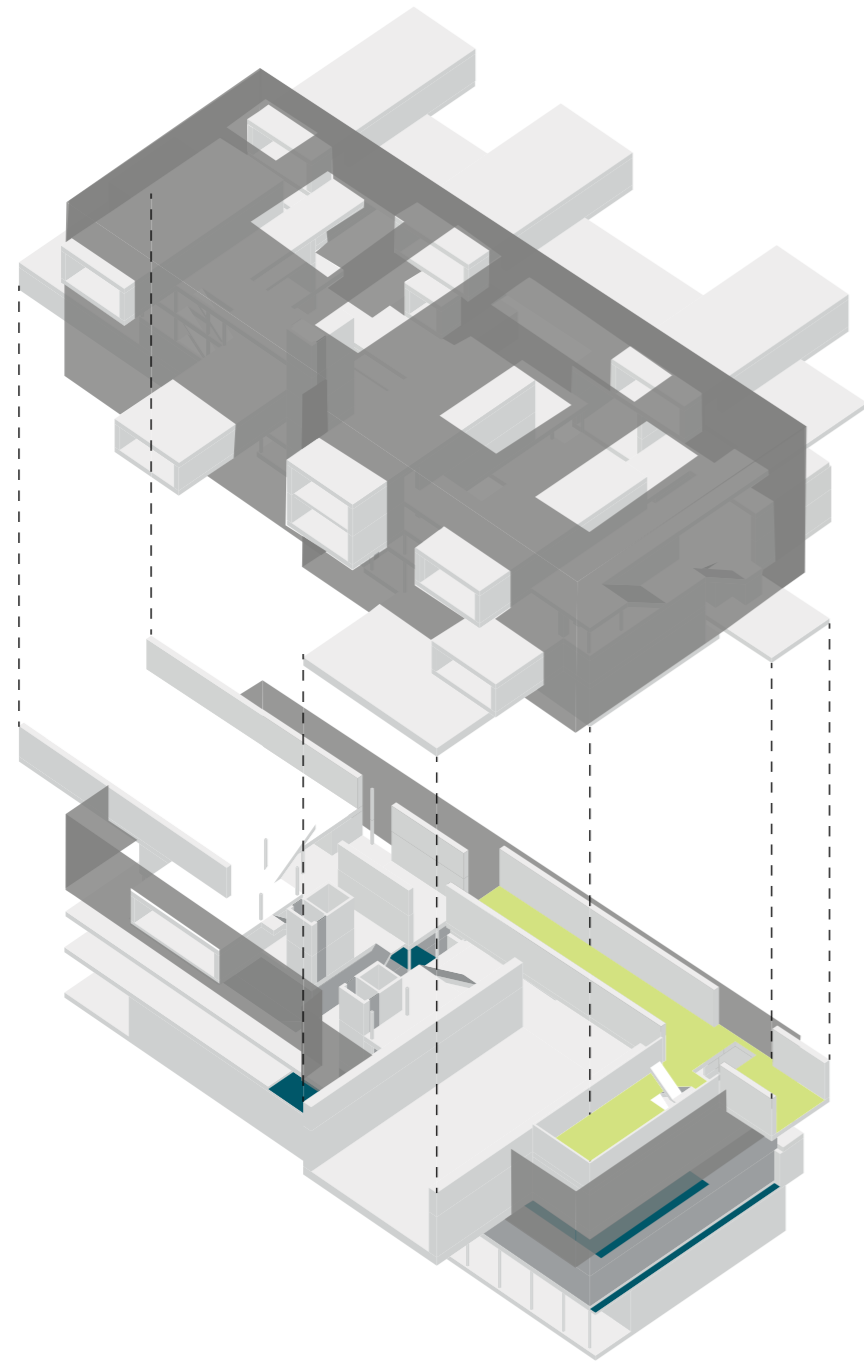
# 04 BOX-in-BOX

Plans

LEVEL 2



Dance area: sports bar/ entrance offices



Sports area



Dance area



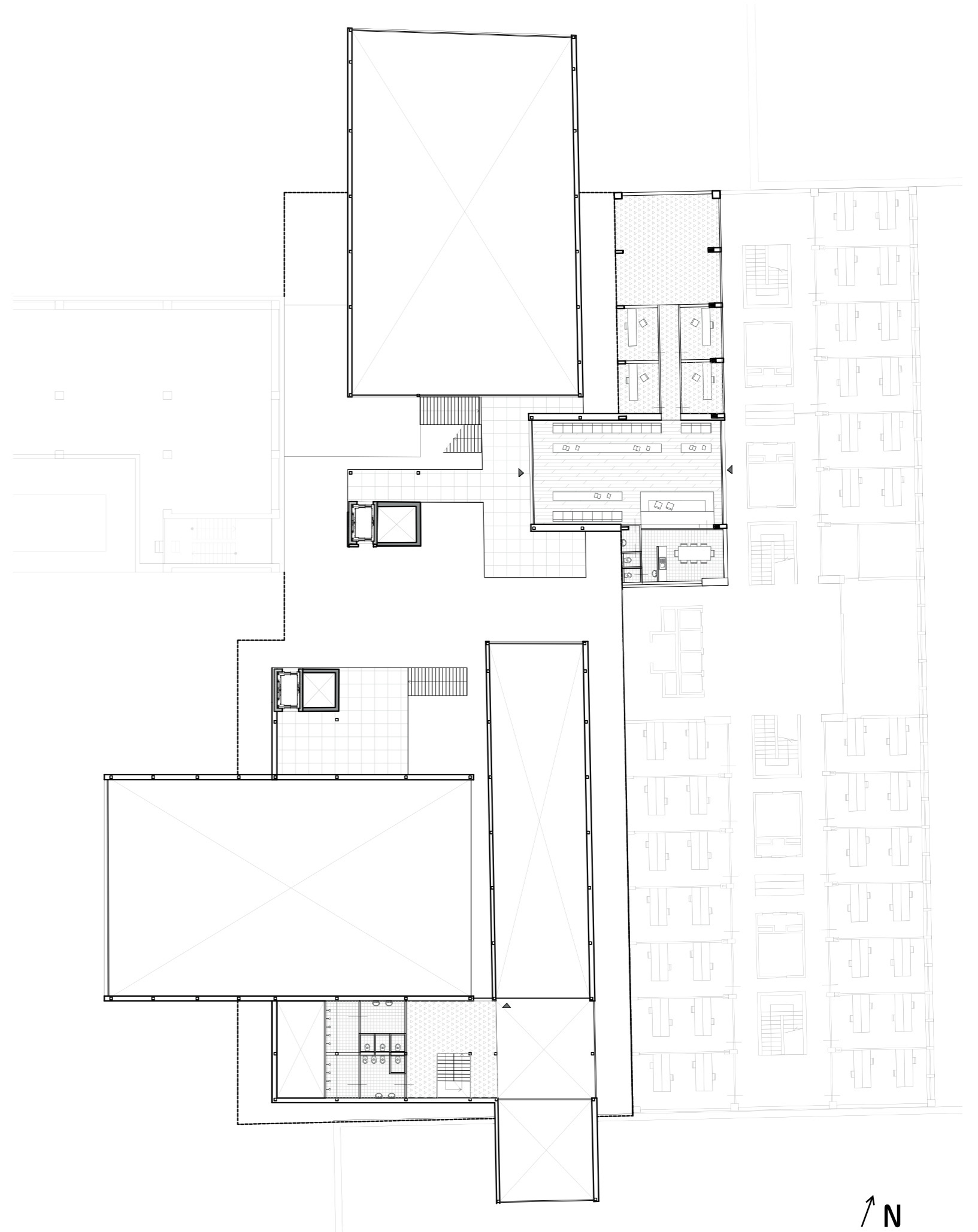
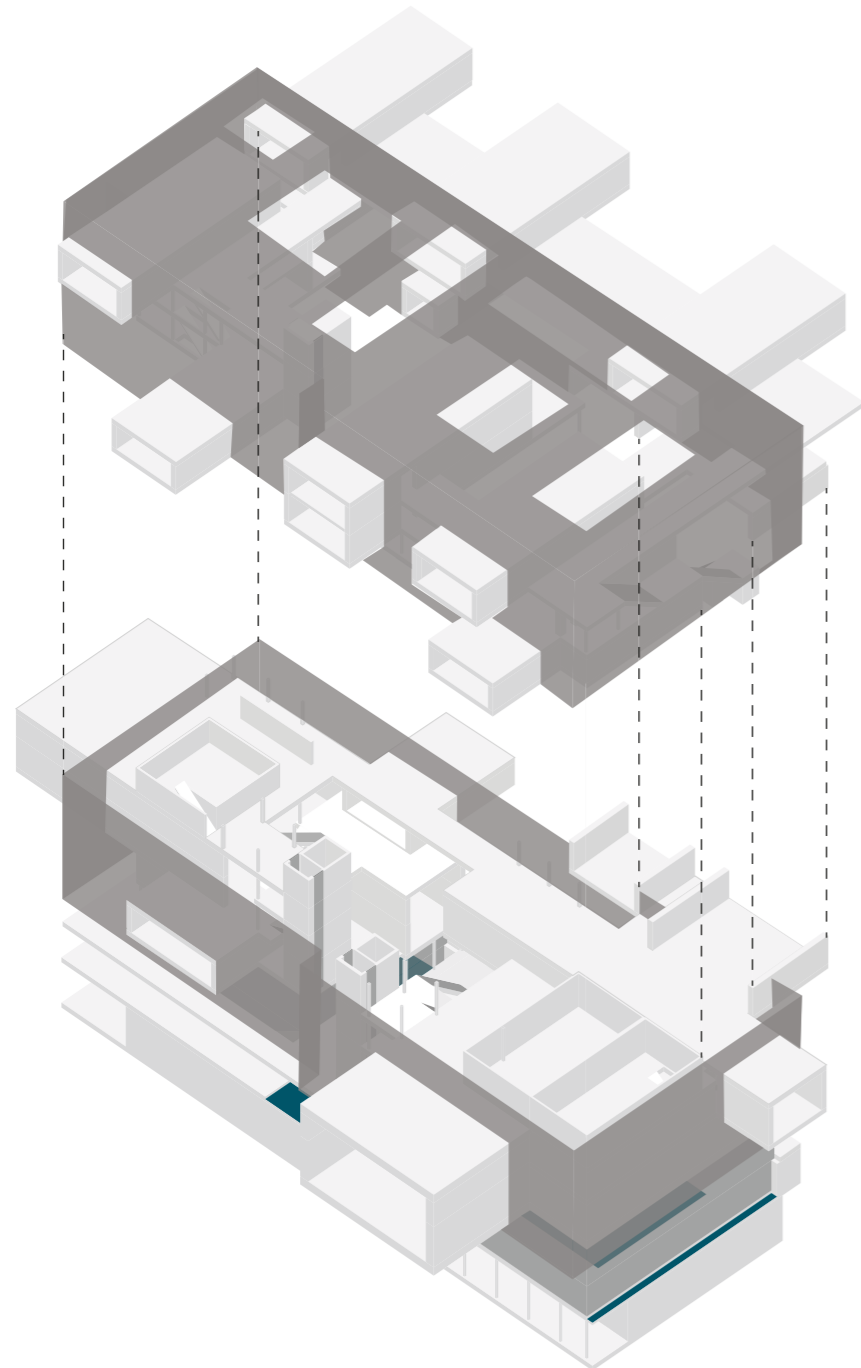
Sports bar



# 04 BOX-in-BOX

Plans

LEVEL 3





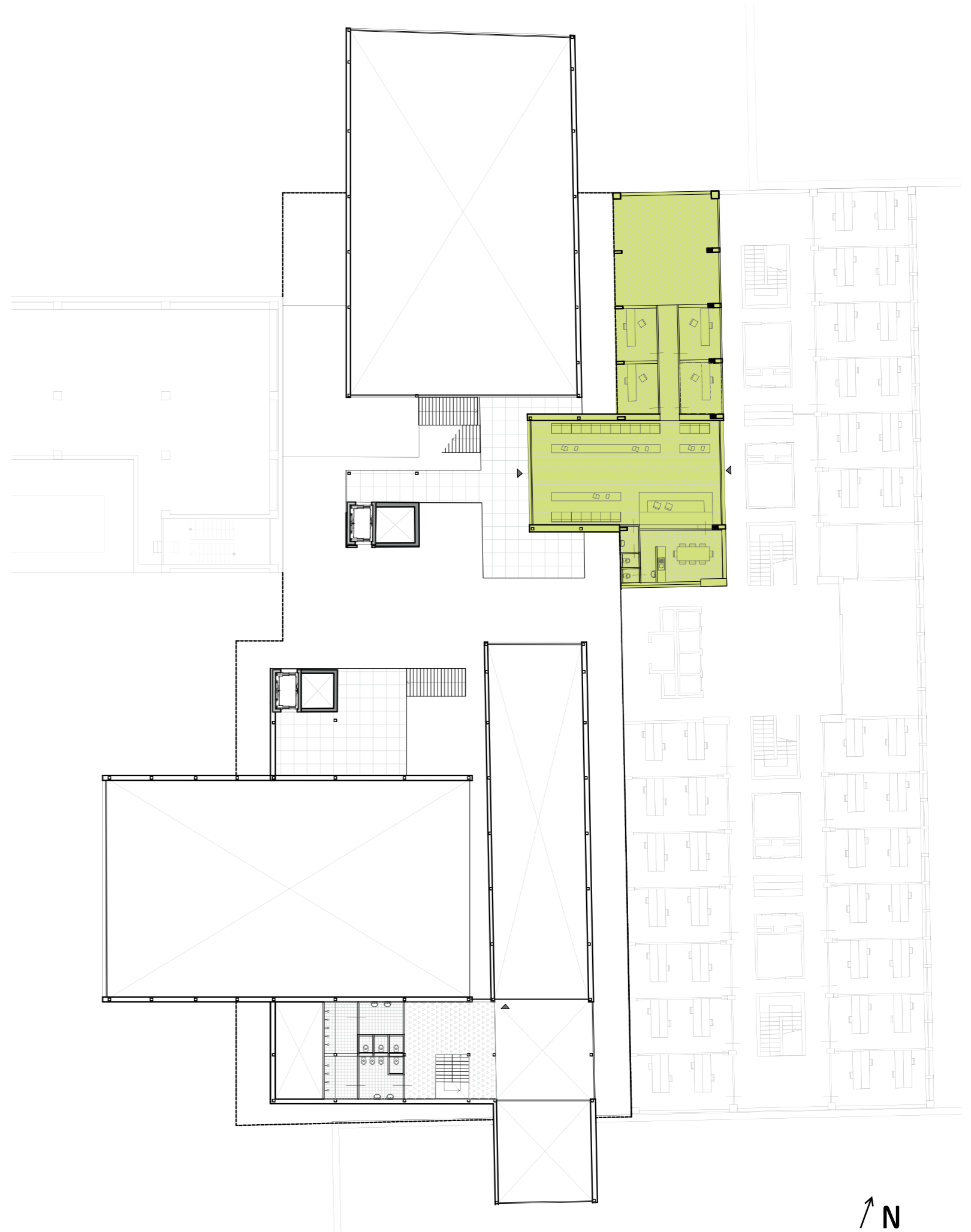
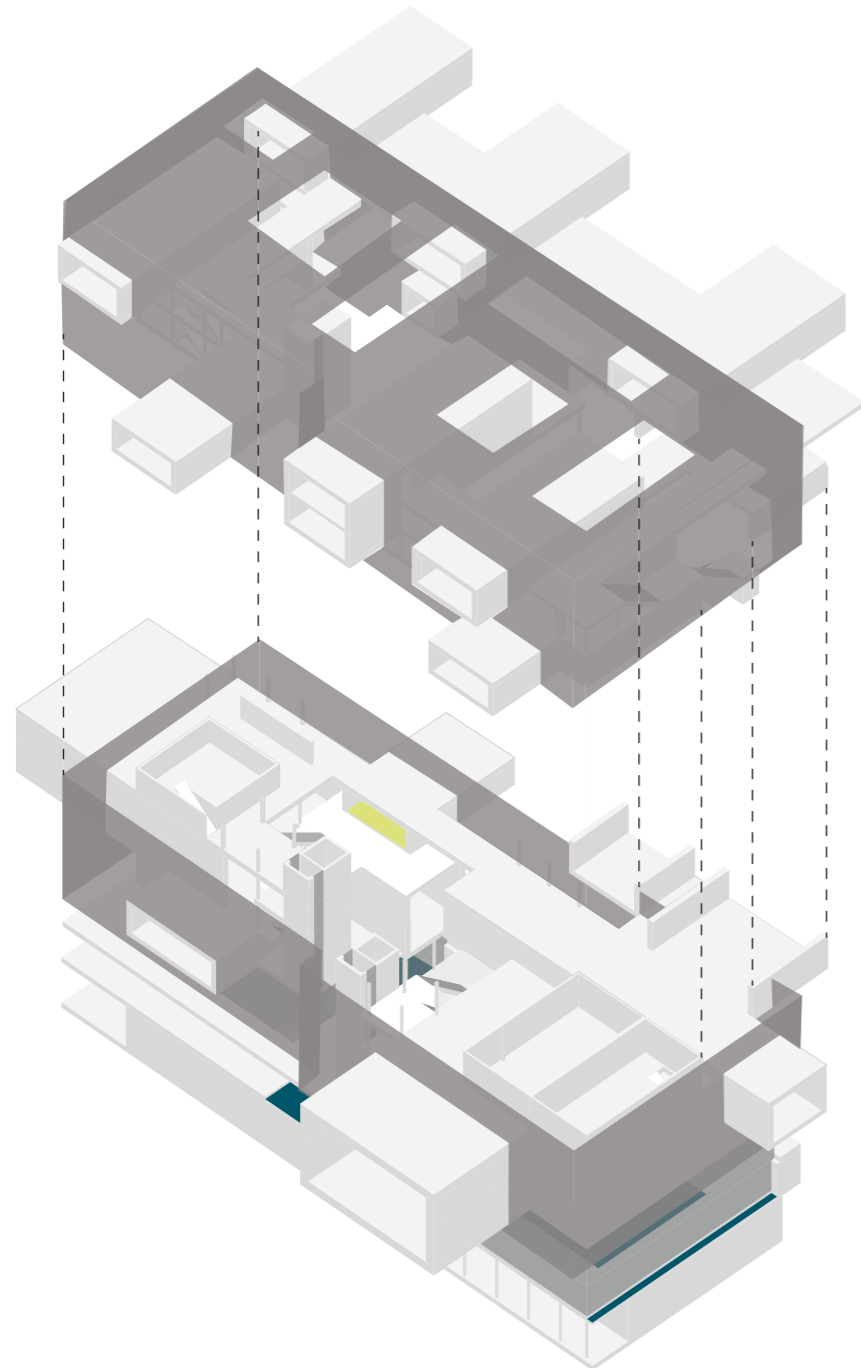
# 04 BOX-in-BOX

Plans

LEVEL 3



Fysiotherapist



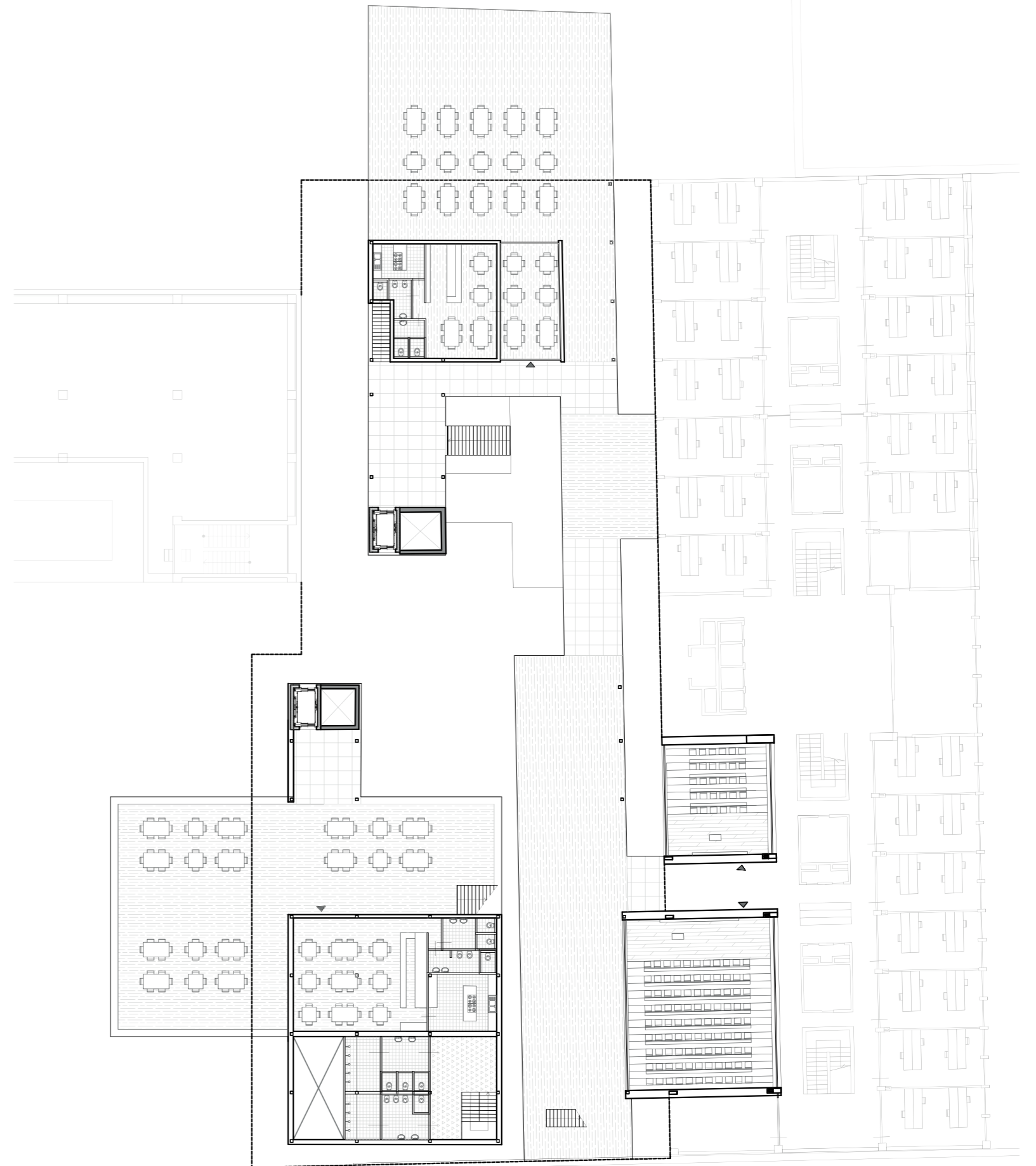
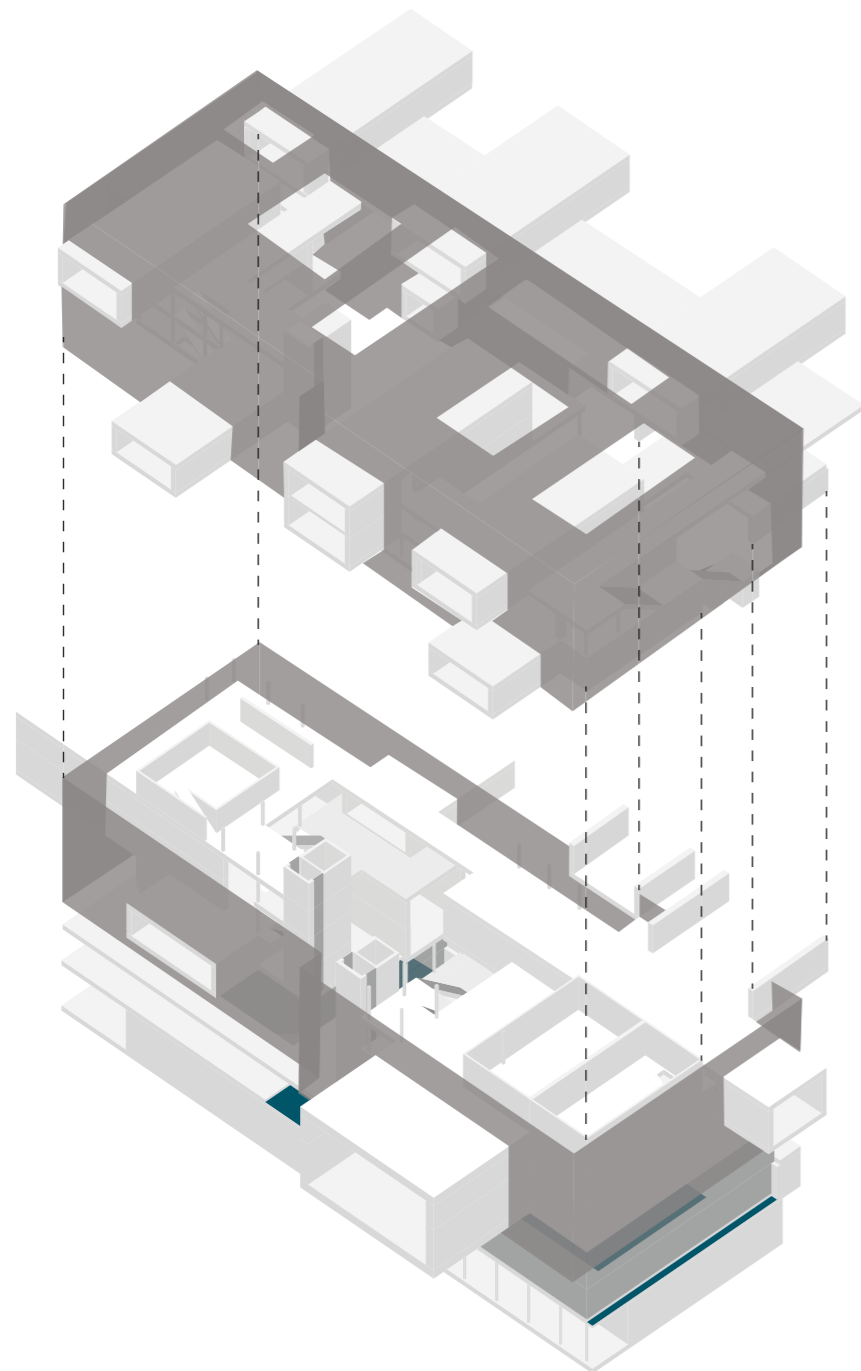
Fysiotherapist



# 04 BOX-in-BOX

Plans

LEVEL 4



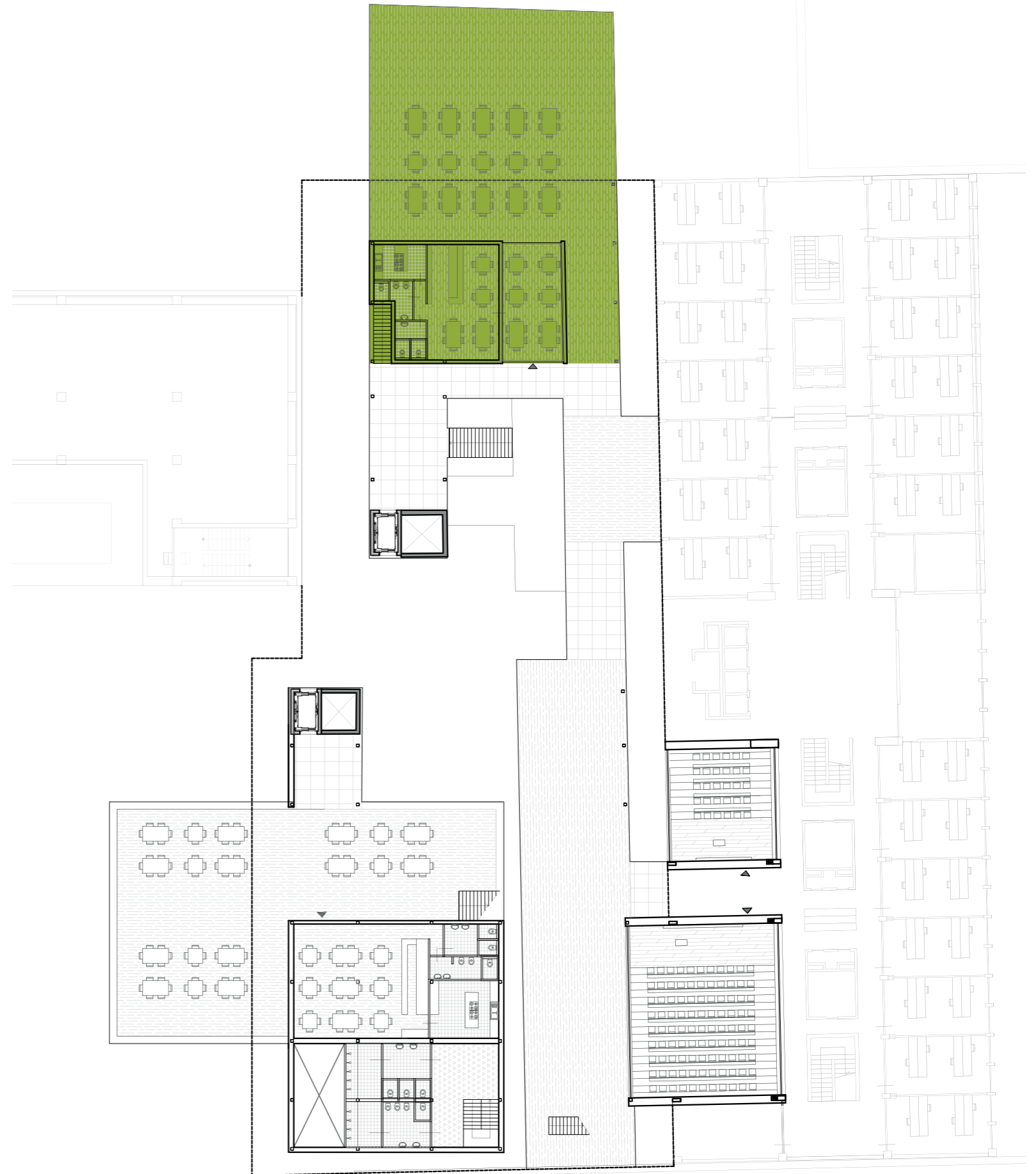
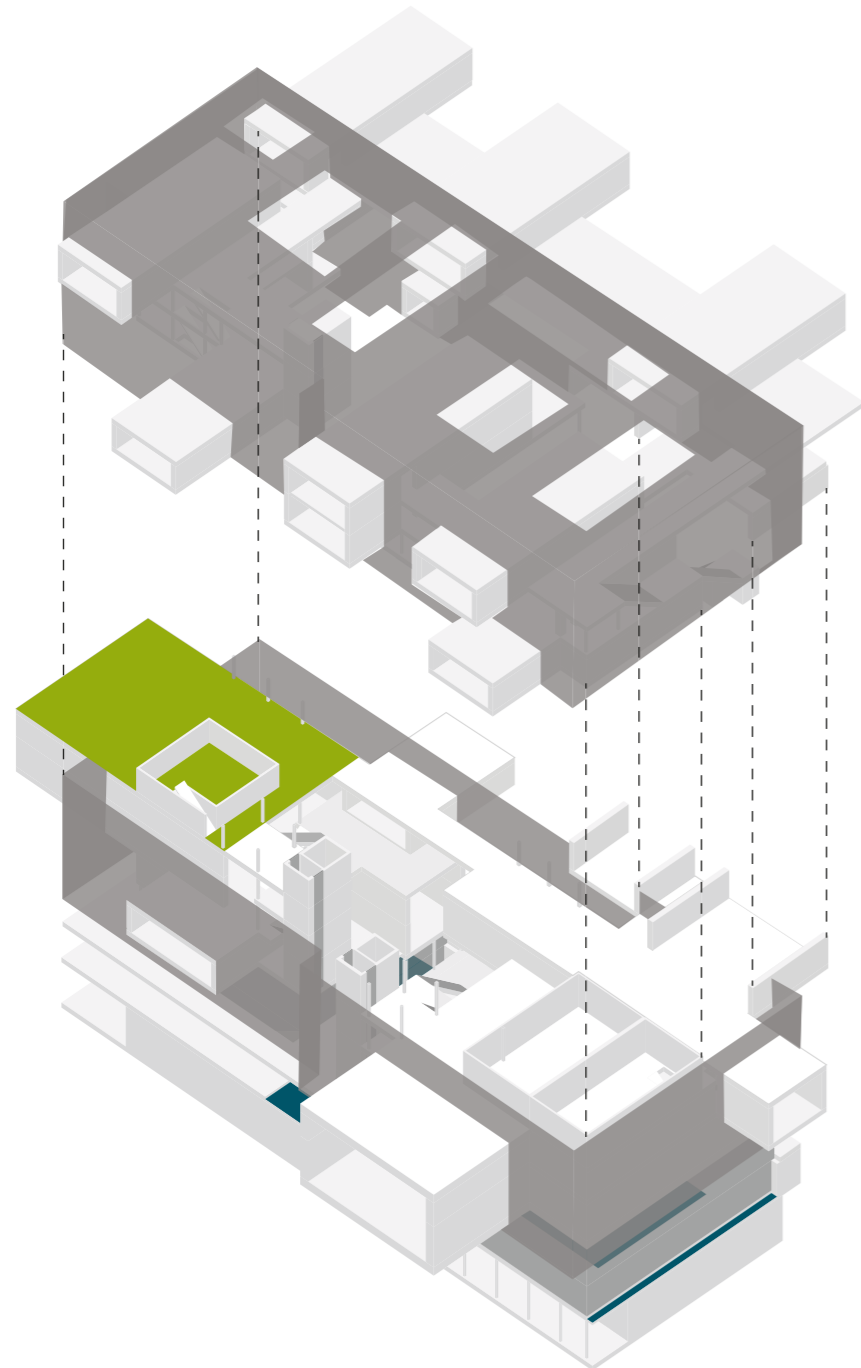
# 04 BOX-in-BOX

Plans

LEVEL 4



Lunch bar



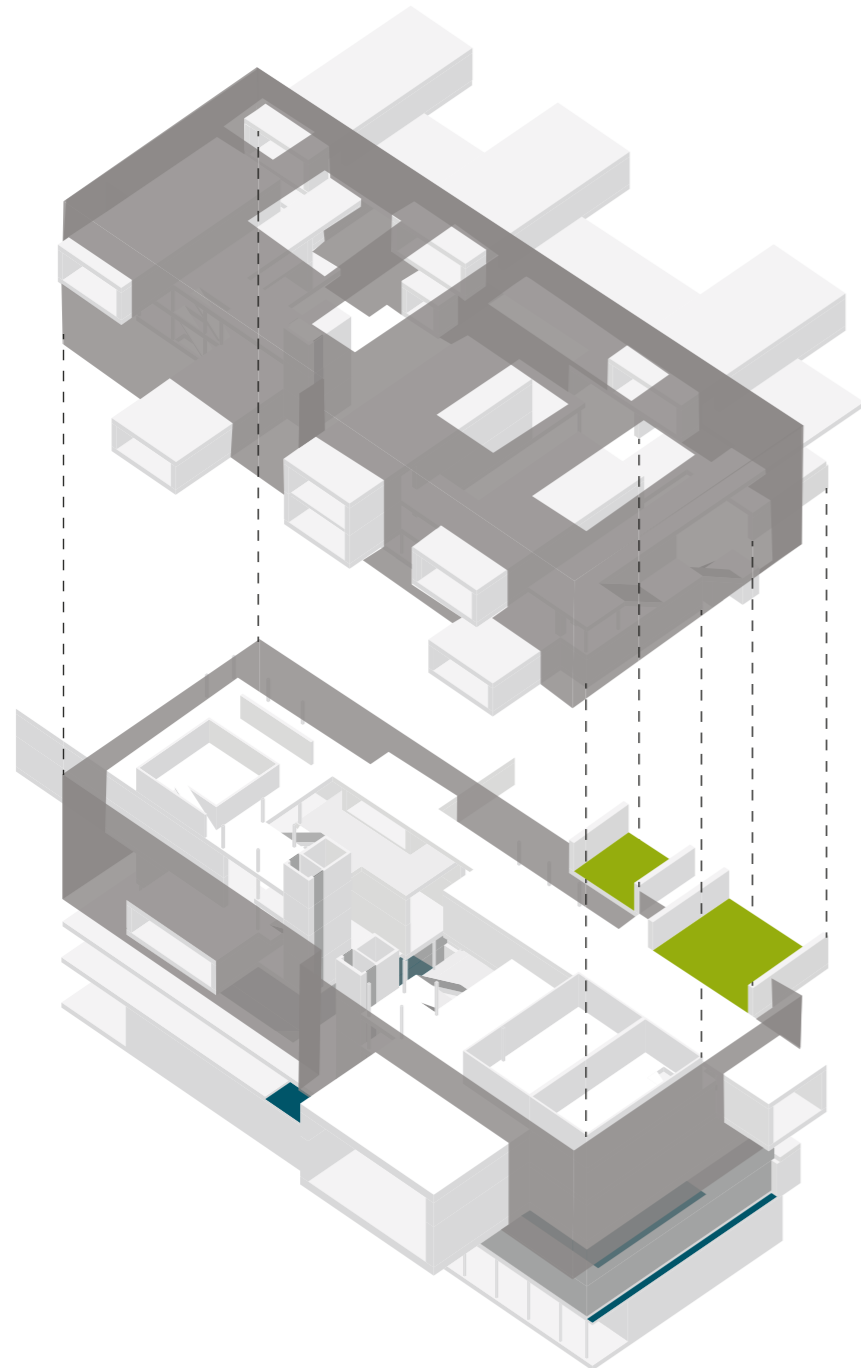
# 04 BOX-in-BOX

Plans

LEVEL 4



2 Congres areas



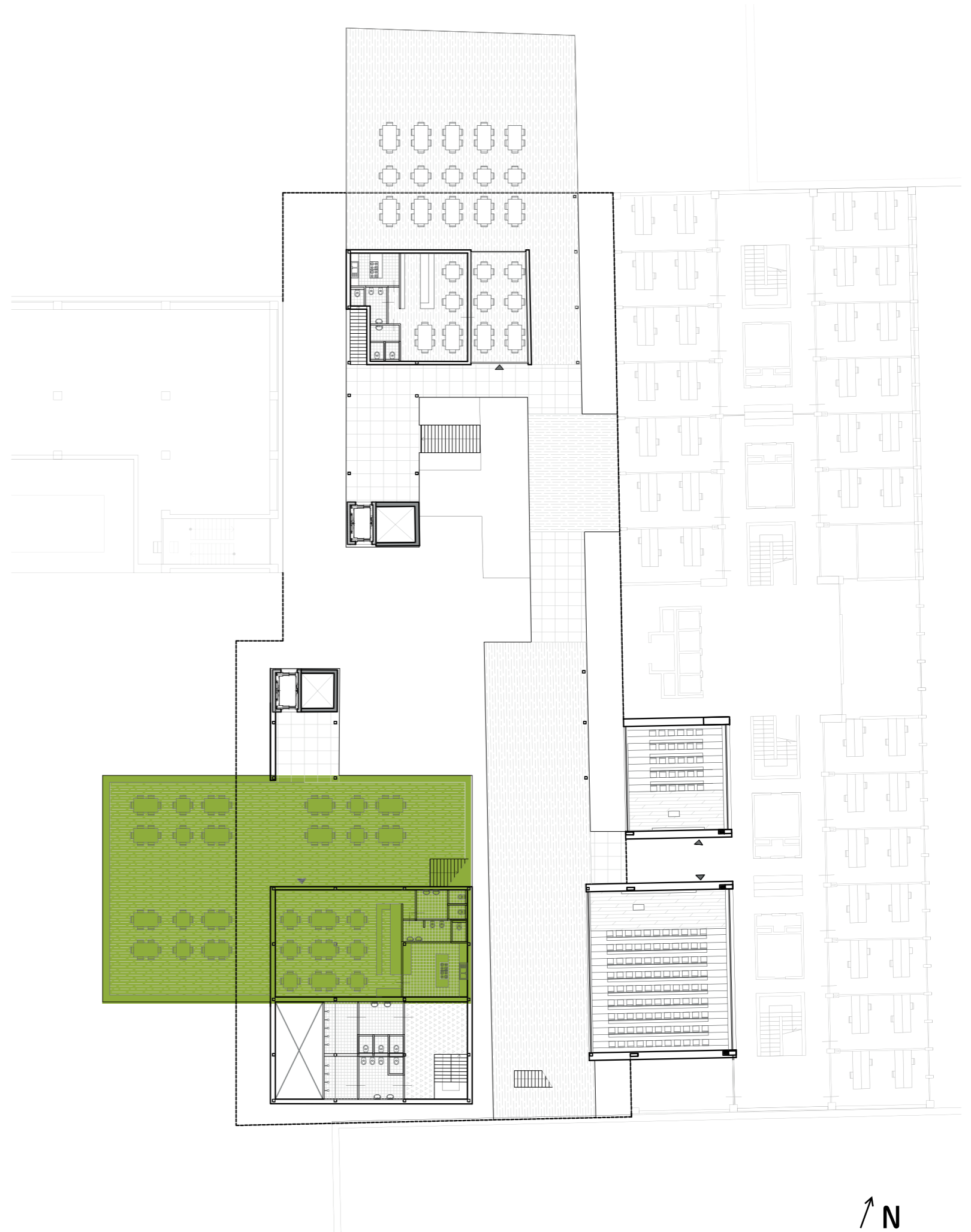
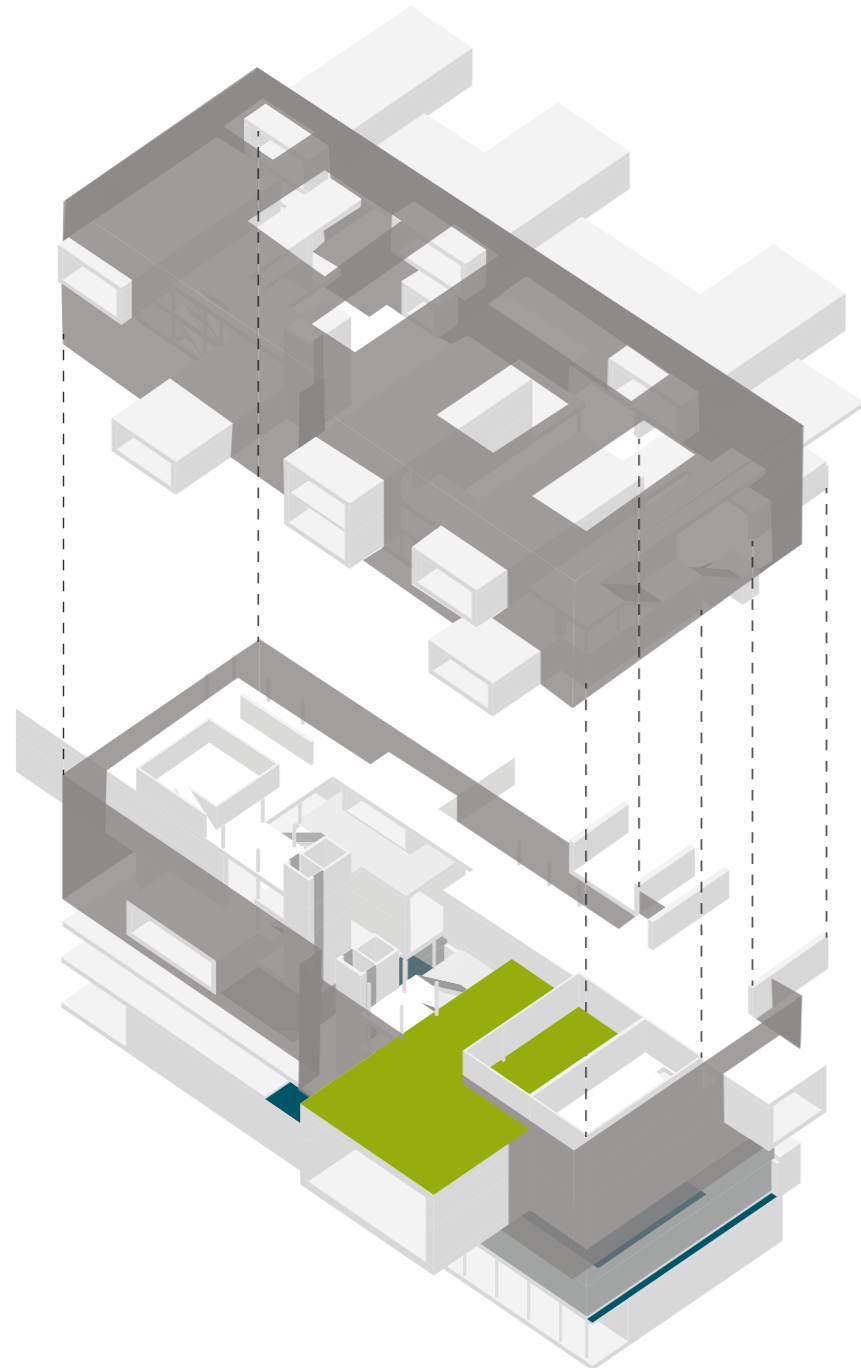
# 04 BOX-in-BOX

Plans

LEVEL 4



Veggie bar



Lunch bar



Walking path

Lunch bar - congres area





Congres area



Veggie bar



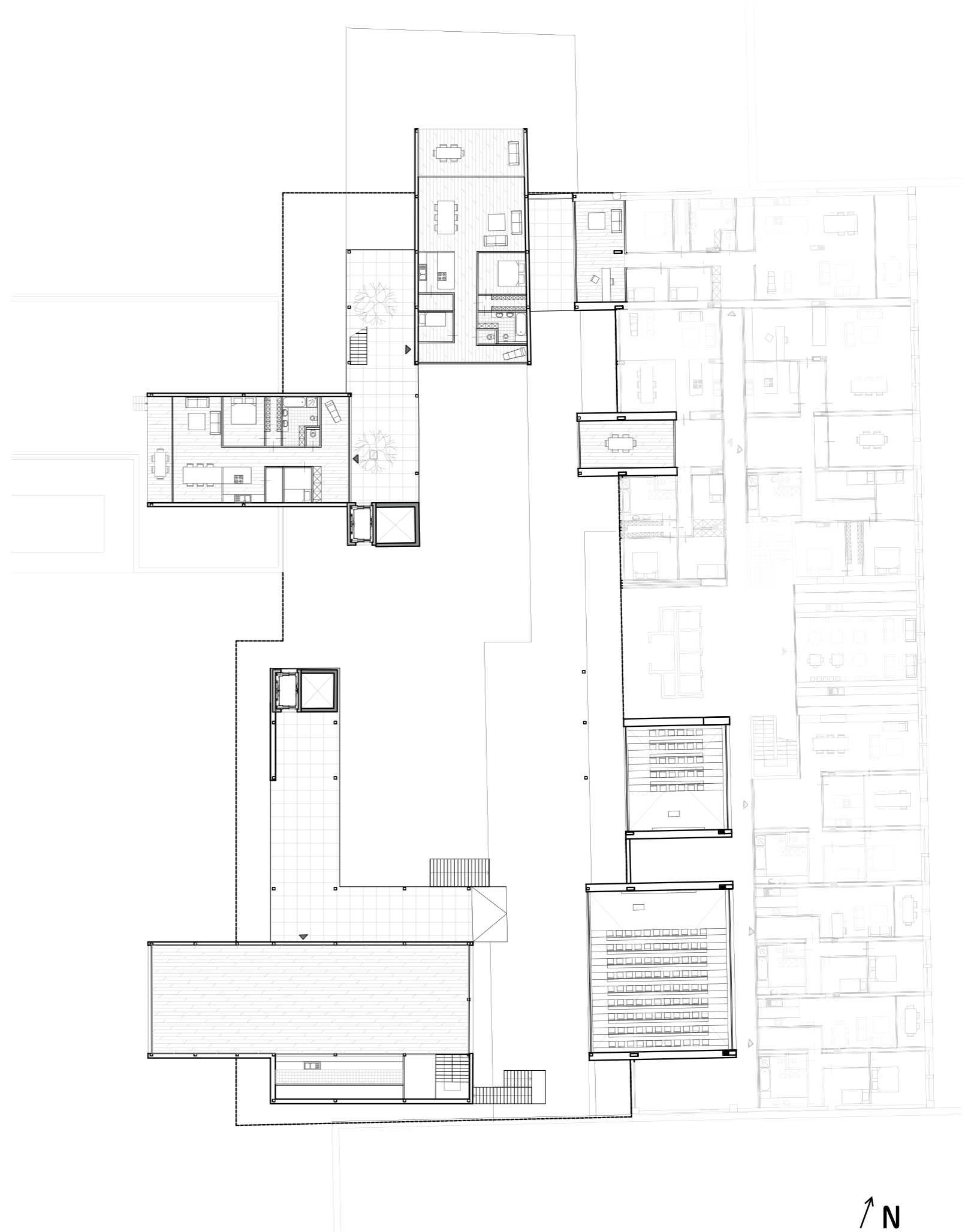
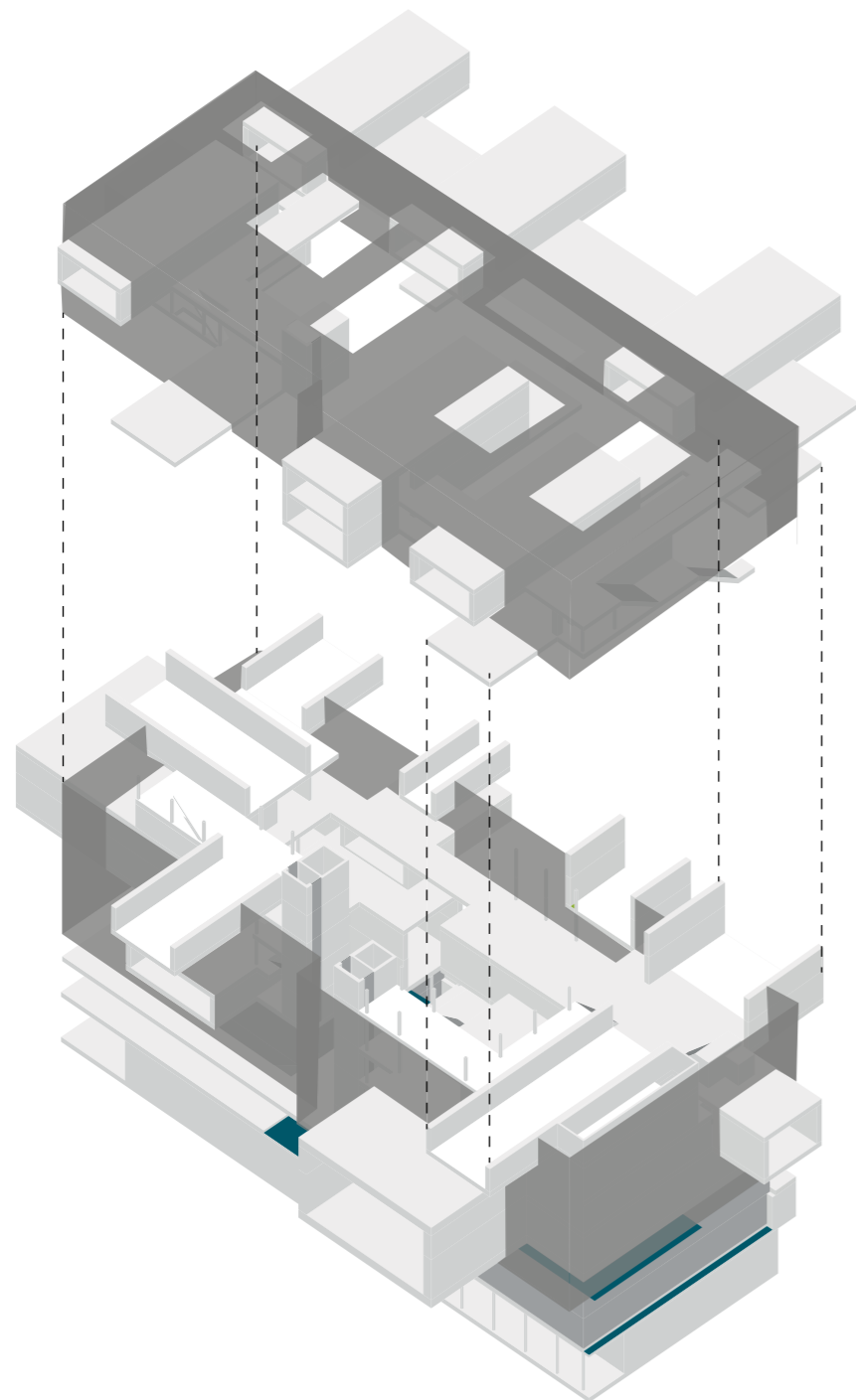
Veggie bar outside



# 04 BOX-in-BOX

Plans

LEVEL 5



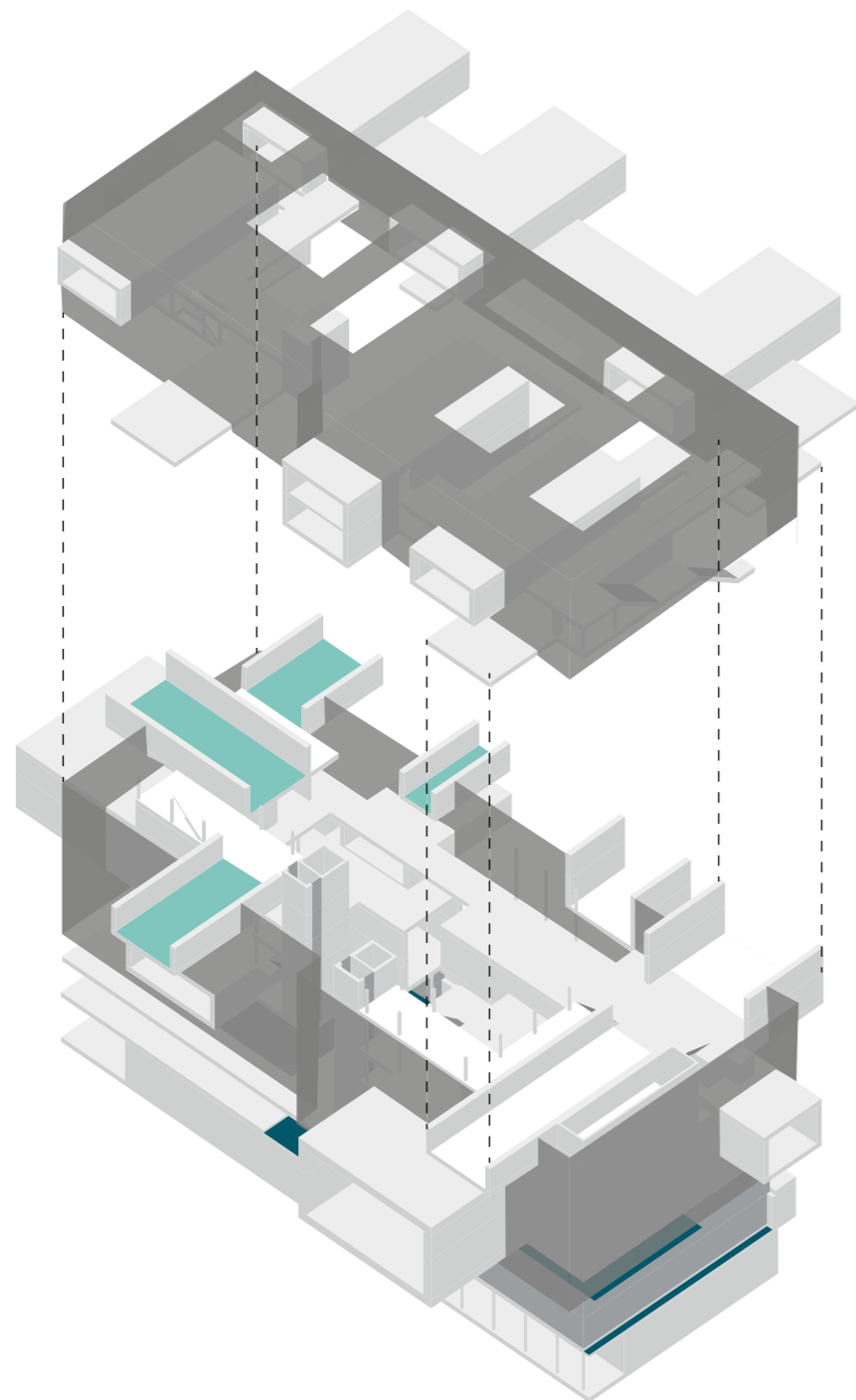
# 04 BOX-in-BOX

Plans

LEVEL 5



8 Apartments



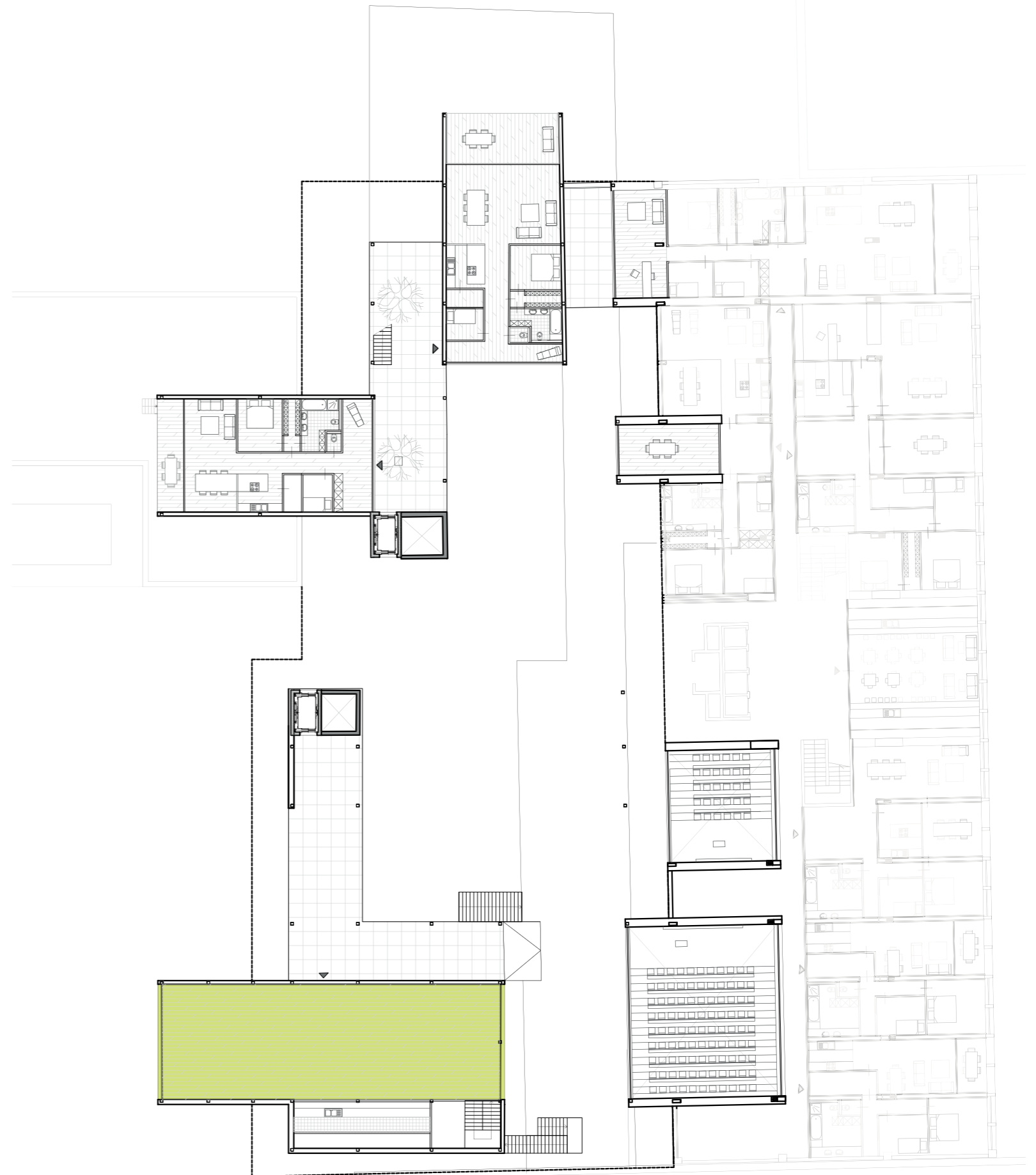
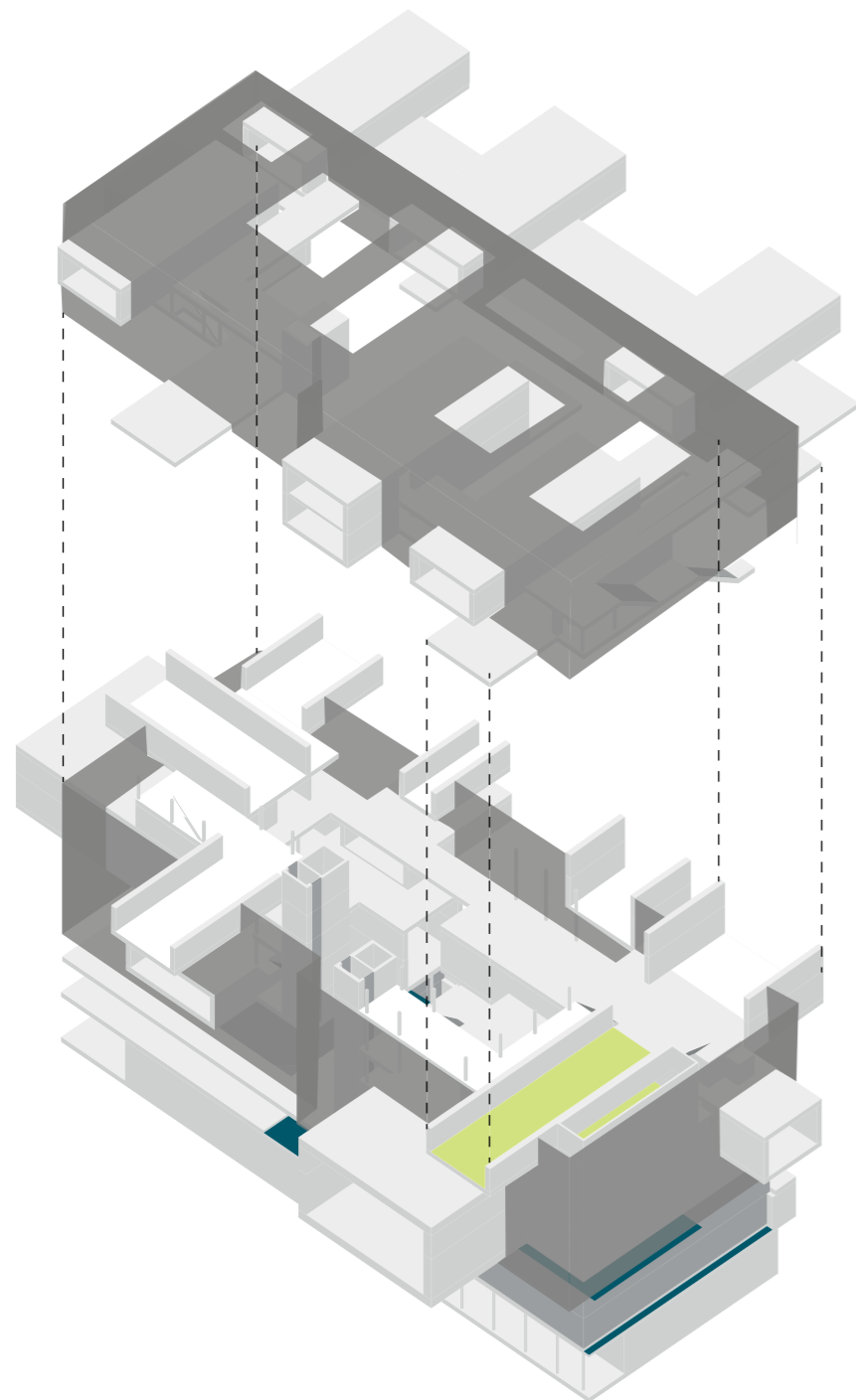
# 04 BOX-in-BOX

Plans

LEVEL 5



I Dance area



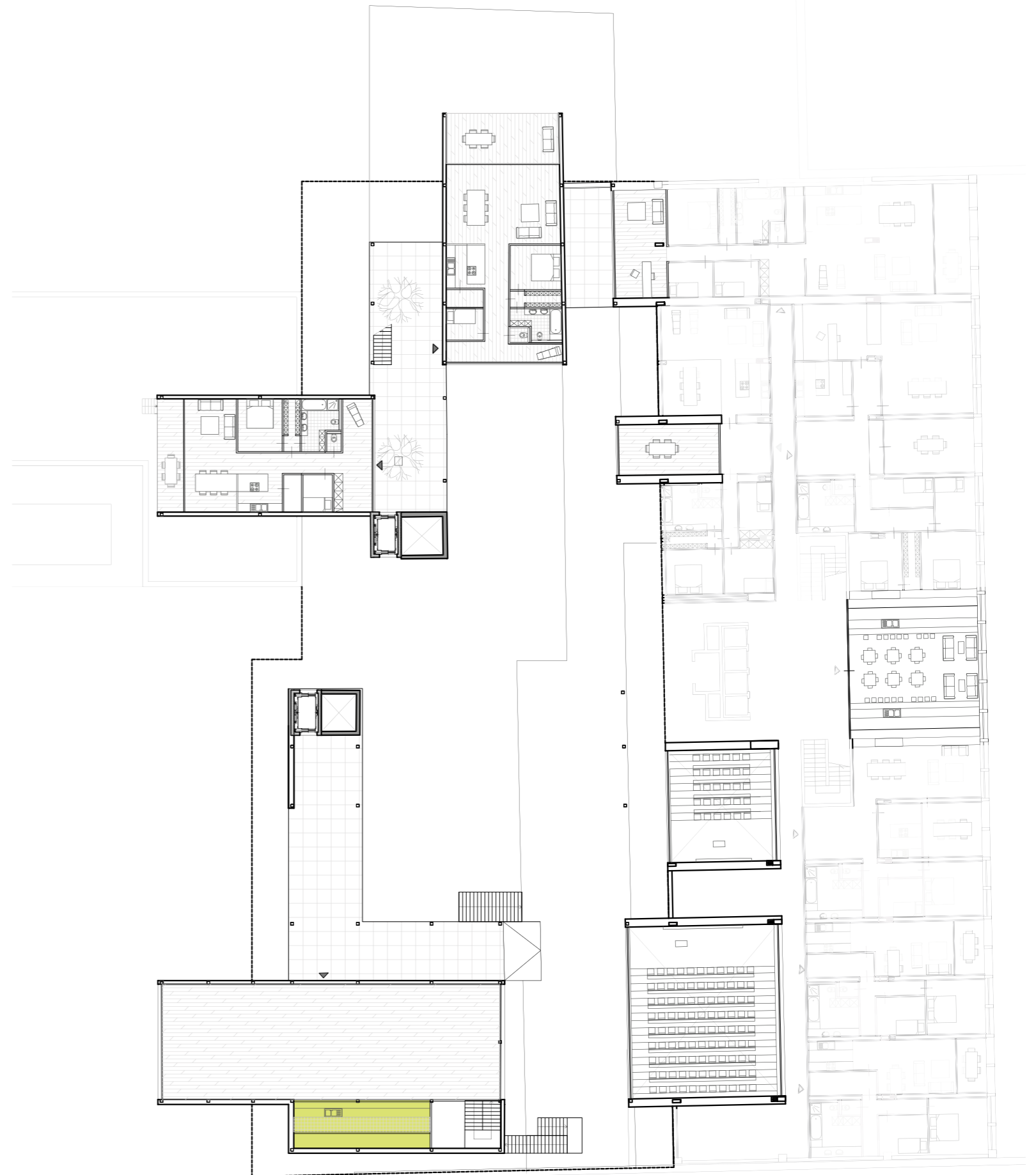
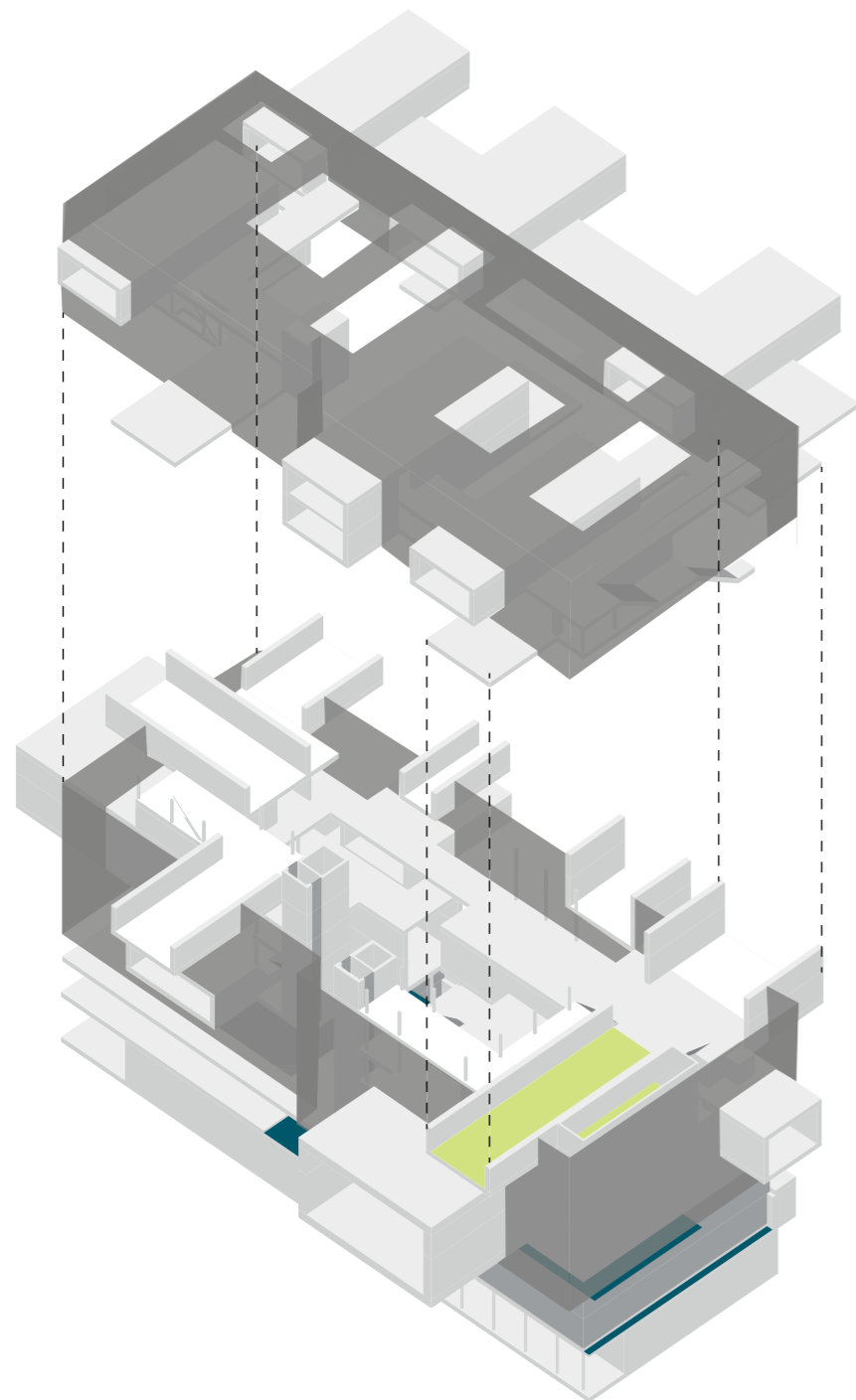
# 04 BOX-in-BOX

Plans

LEVEL 5



I Dance area: bar



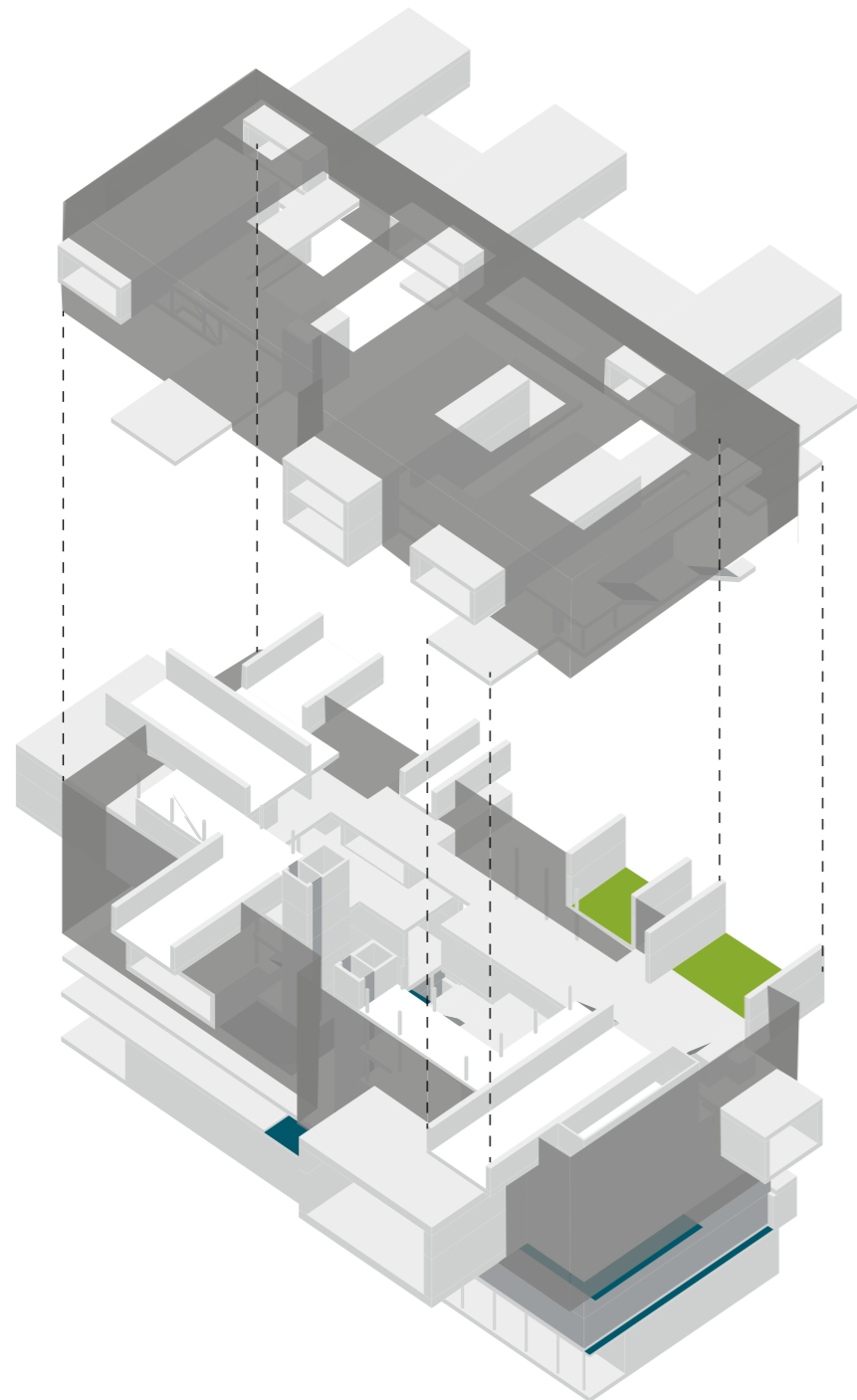
# 04 BOX-in-BOX

Plans

LEVEL 5

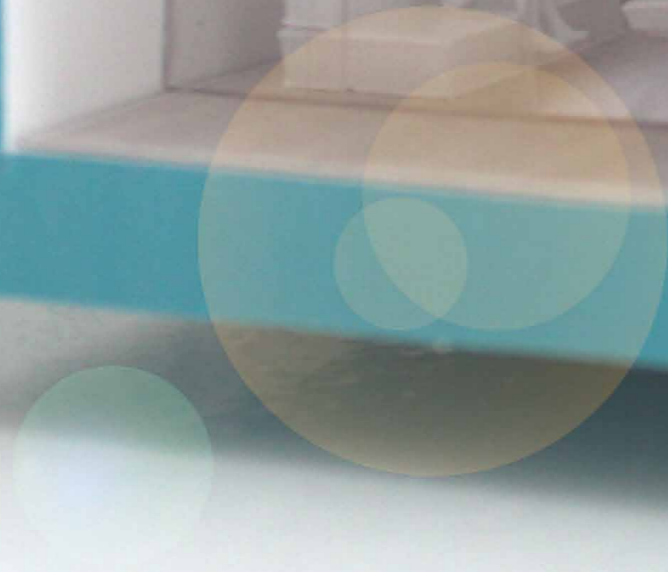


2 Congres areas + Skybar





Living



View from living



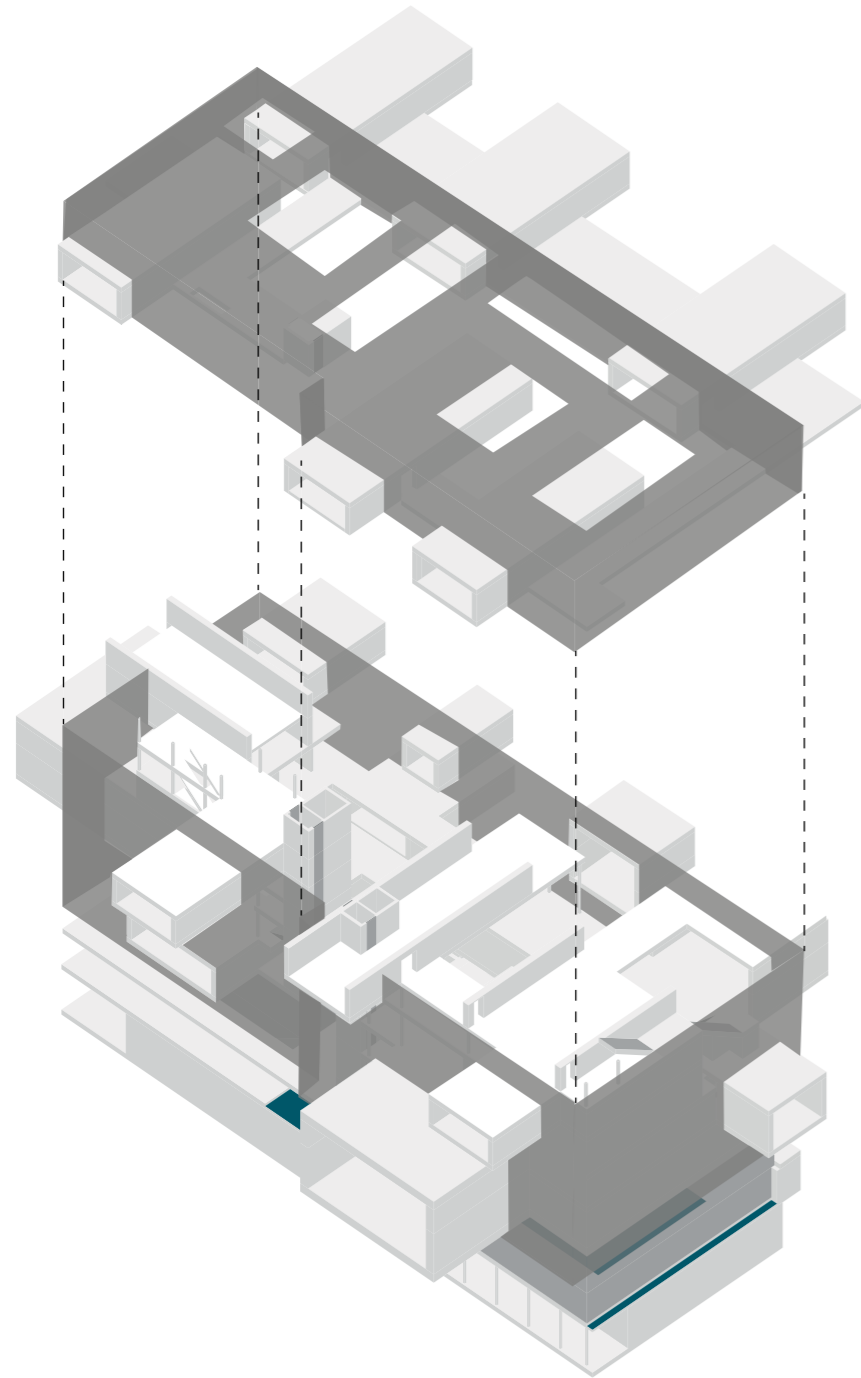
Congres area



# 04 BOX-in-BOX

Plans

LEVEL 6



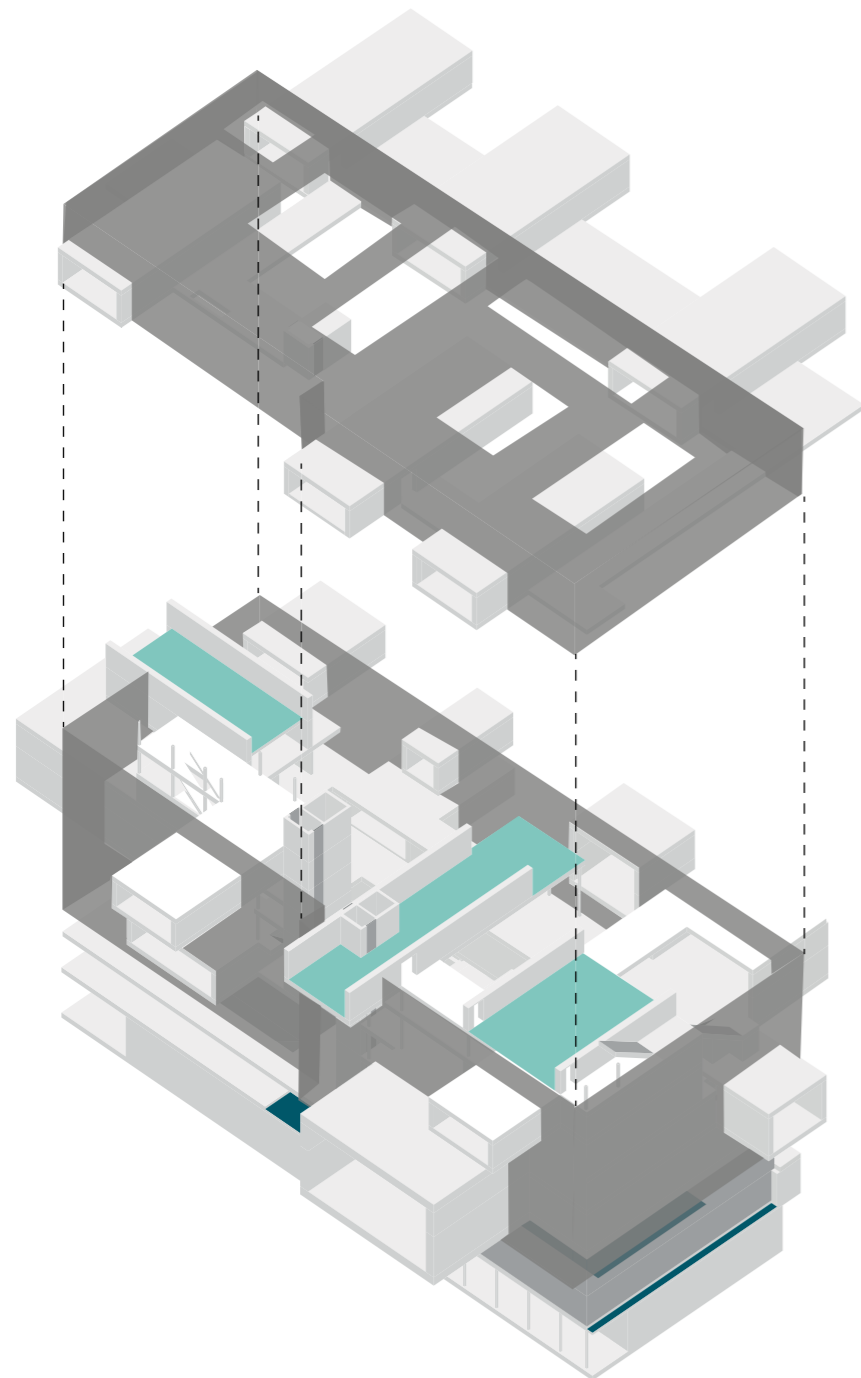
# 04 BOX-in-BOX

Plans

LEVEL 6



3 Apartments



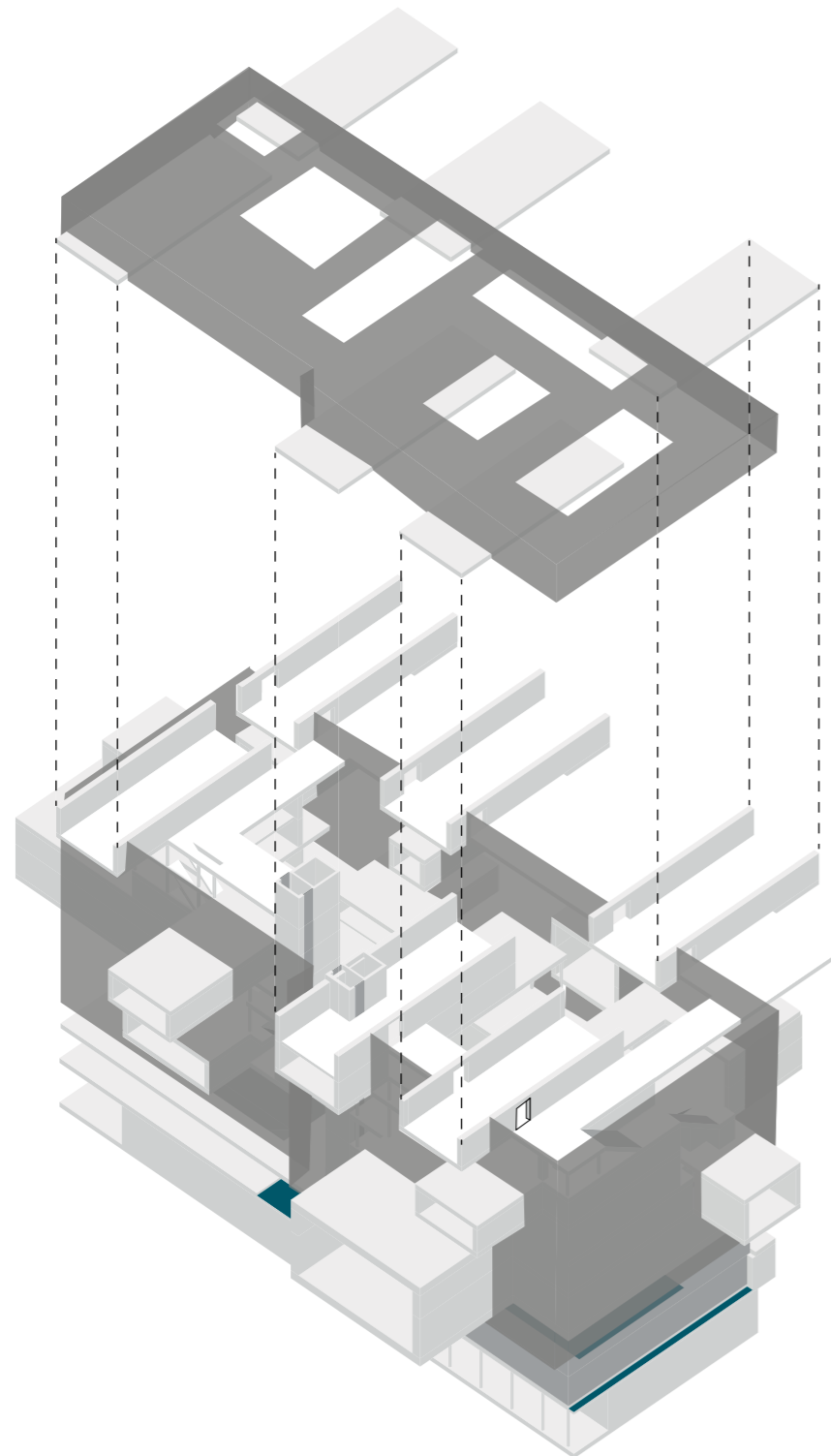
View from living



# 04 BOX-in-BOX

Plans

LEVEL 7



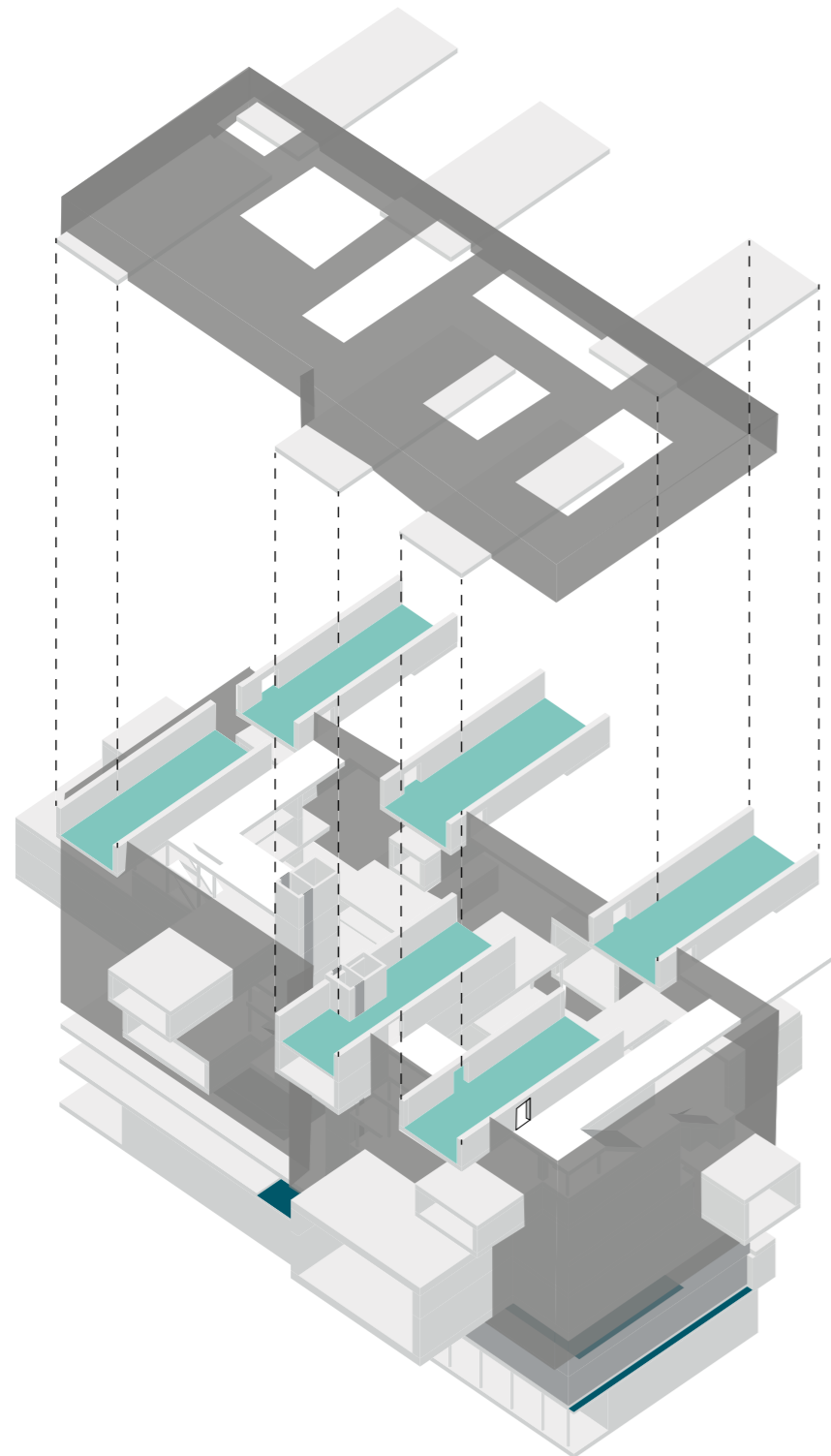
# 04 BOX-in-BOX

Plans

LEVEL 7



6 Apartments





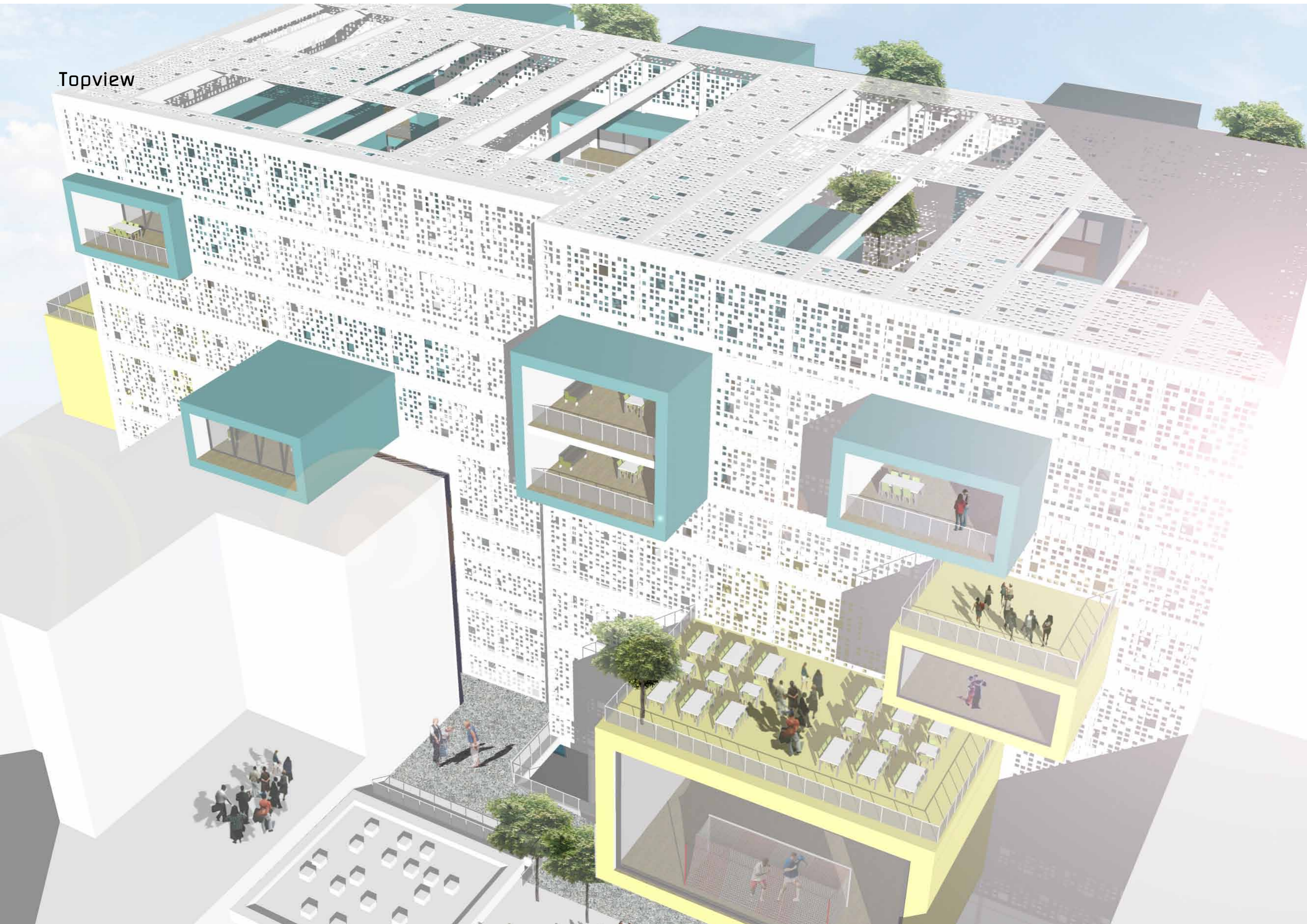
View from living



View from living



Topview

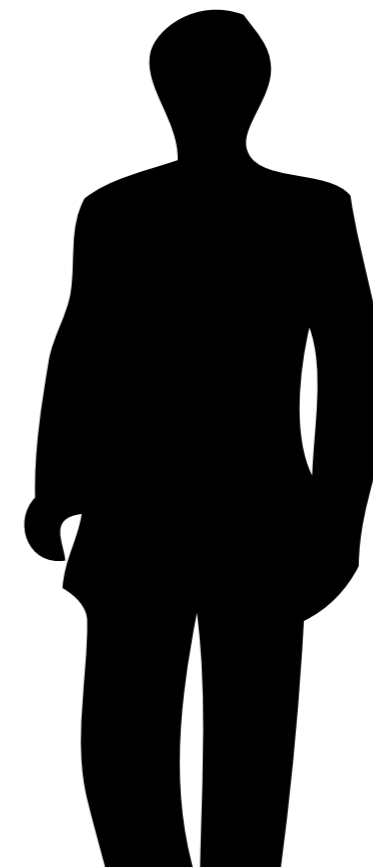


# **04** BOX-in-BOX

Visible connection

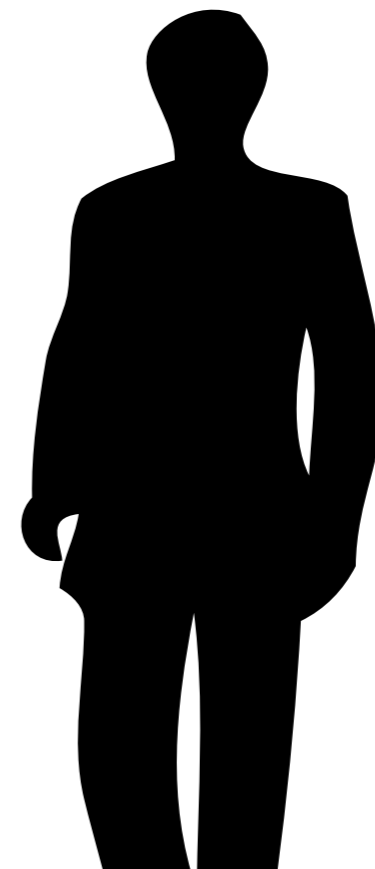
# 04 BOX-in-BOX

Visible connection



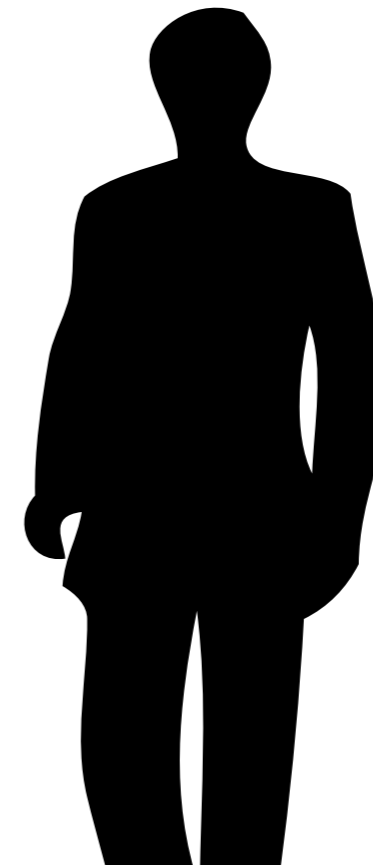
# 04 BOX-in-BOX

Visible connection



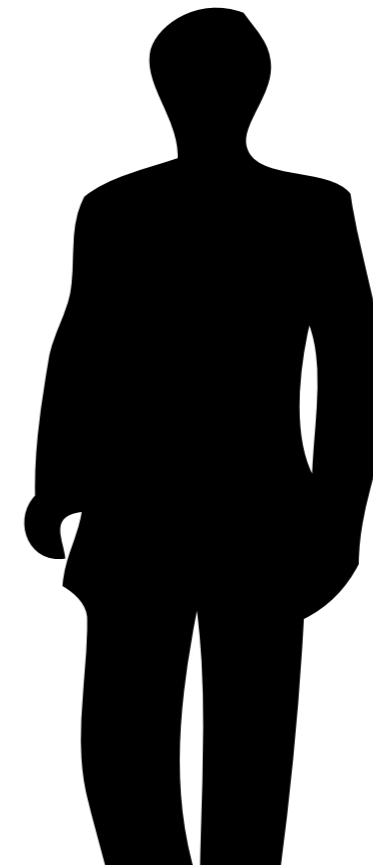
# 04 BOX-in-BOX

Visible connection



# 04 BOX-in-BOX

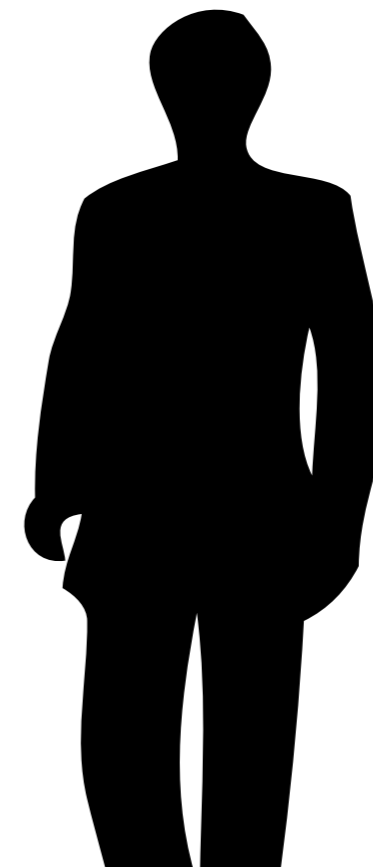
Visible connection





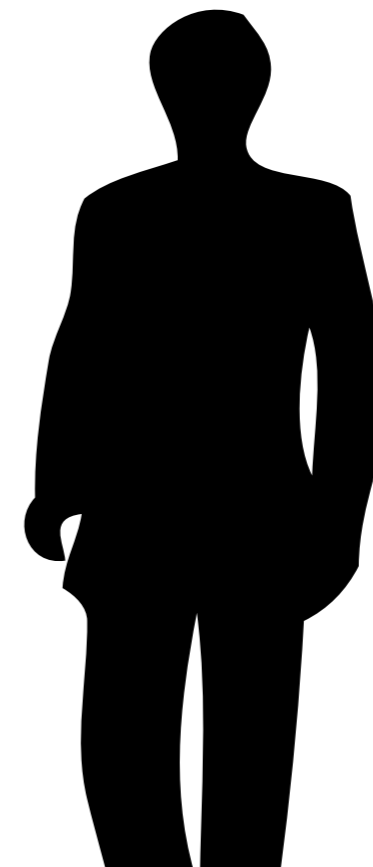
# 04 BOX-in-BOX

Visible connection



# 04 BOX-in-BOX

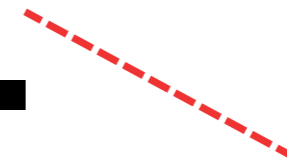
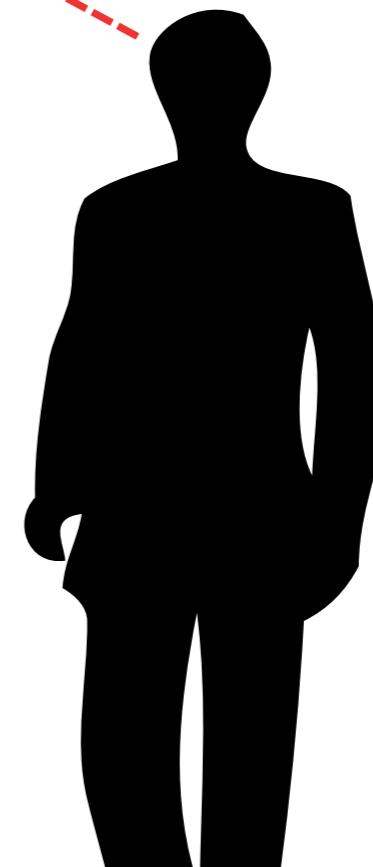
Visible connection



# 04 BOX-in-BOX

Visible connection

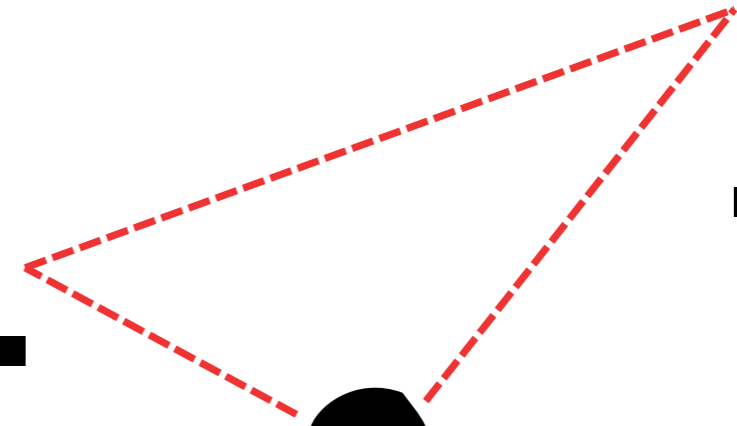
Social Awareness



# 04 BOX-in-BOX

Visible connection

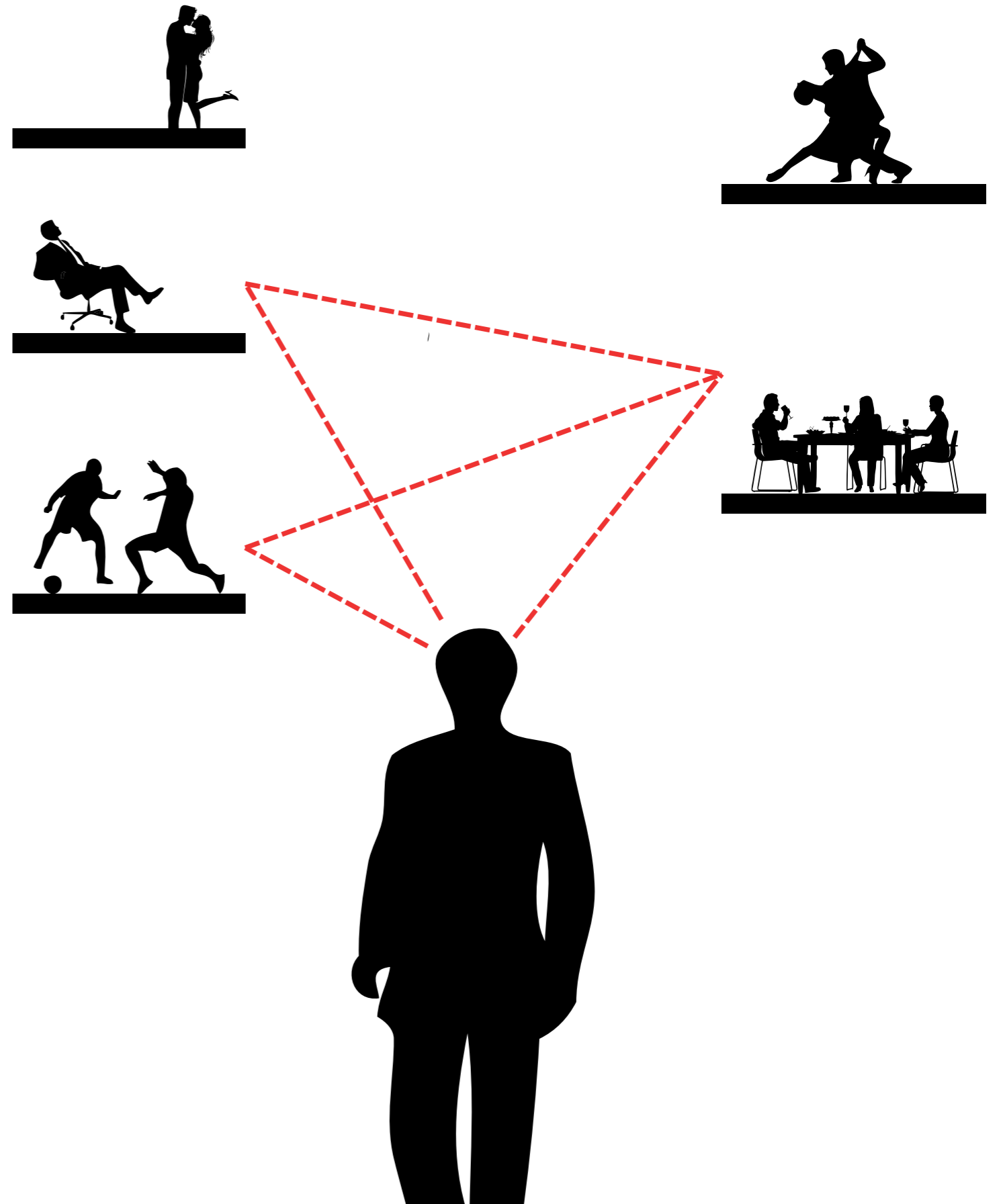
Social Awareness



# 04 BOX-in-BOX

Visible connection

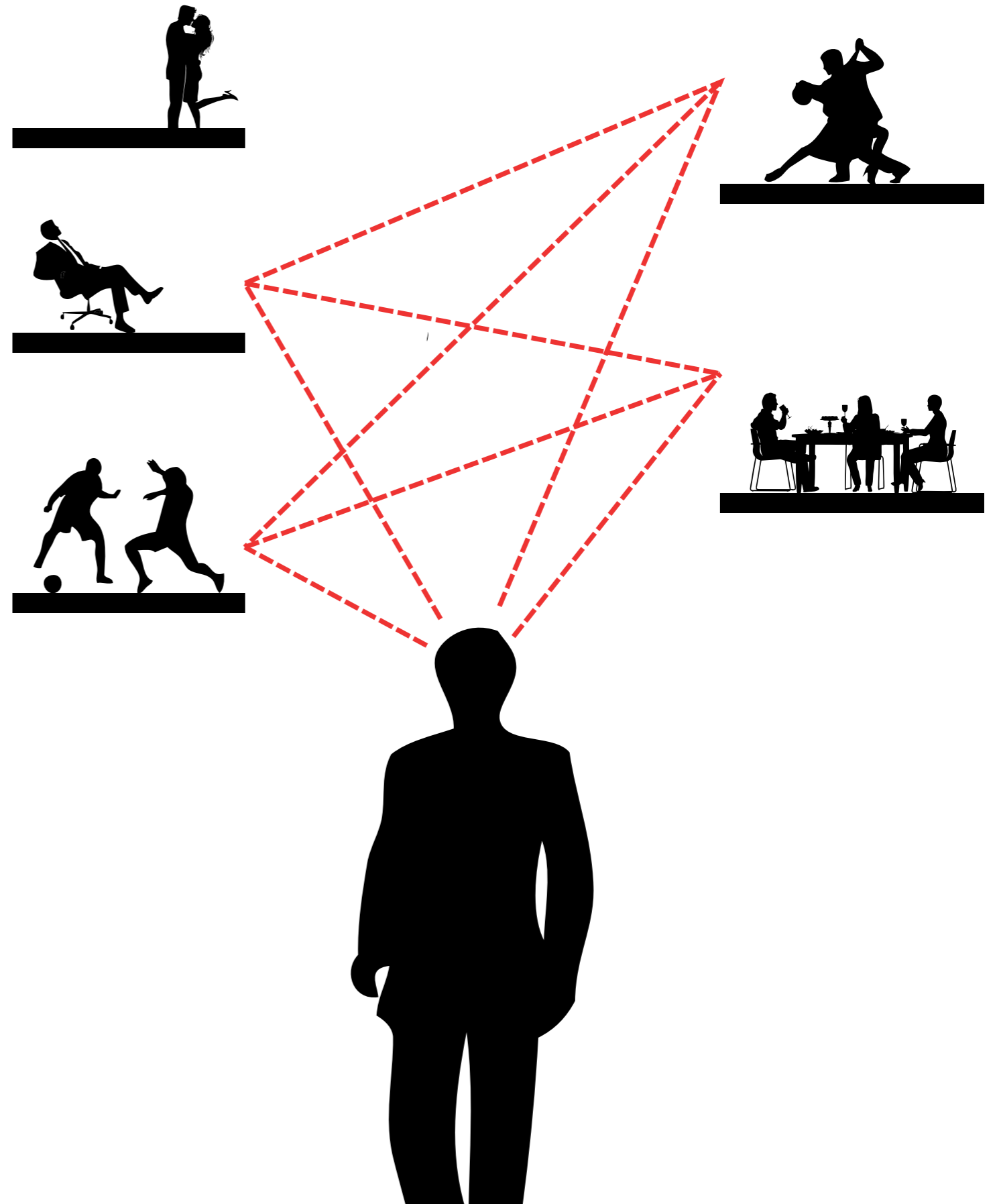
Social Awareness



# 04 BOX-in-BOX

Visible connection

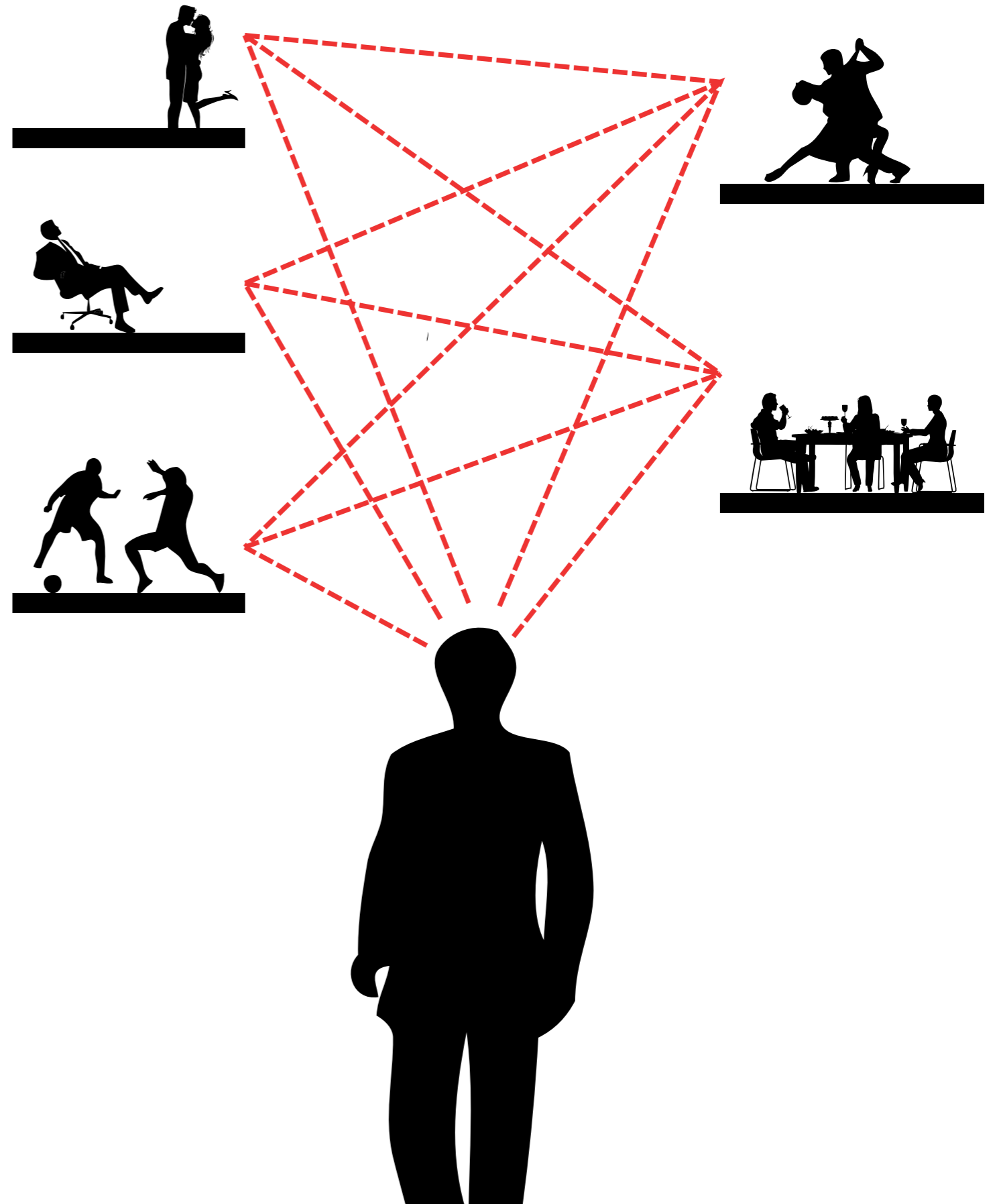
Social Awareness



# 04 BOX-in-BOX

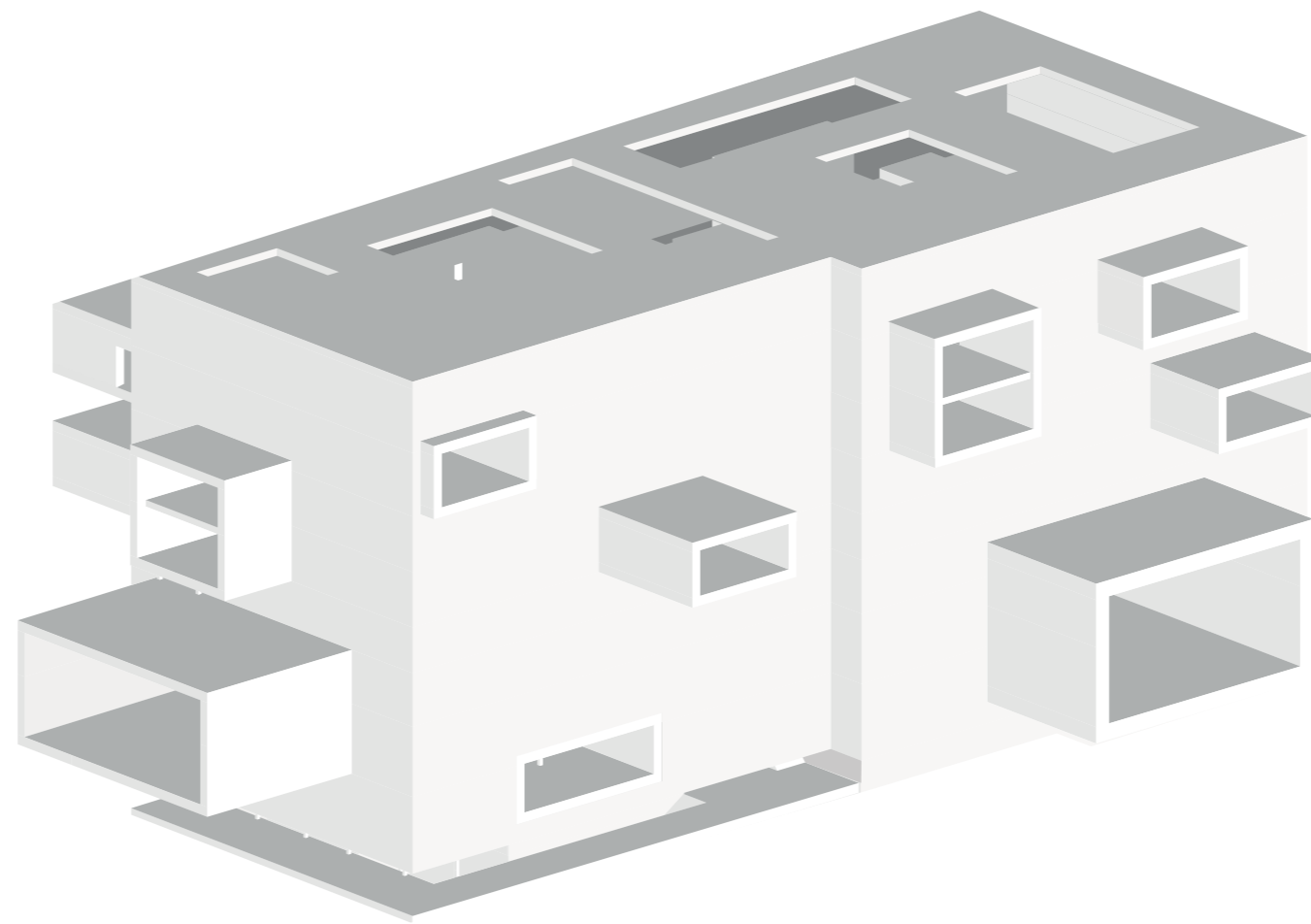
Visible connection

Social Awareness



# 04 BOX-in-BOX

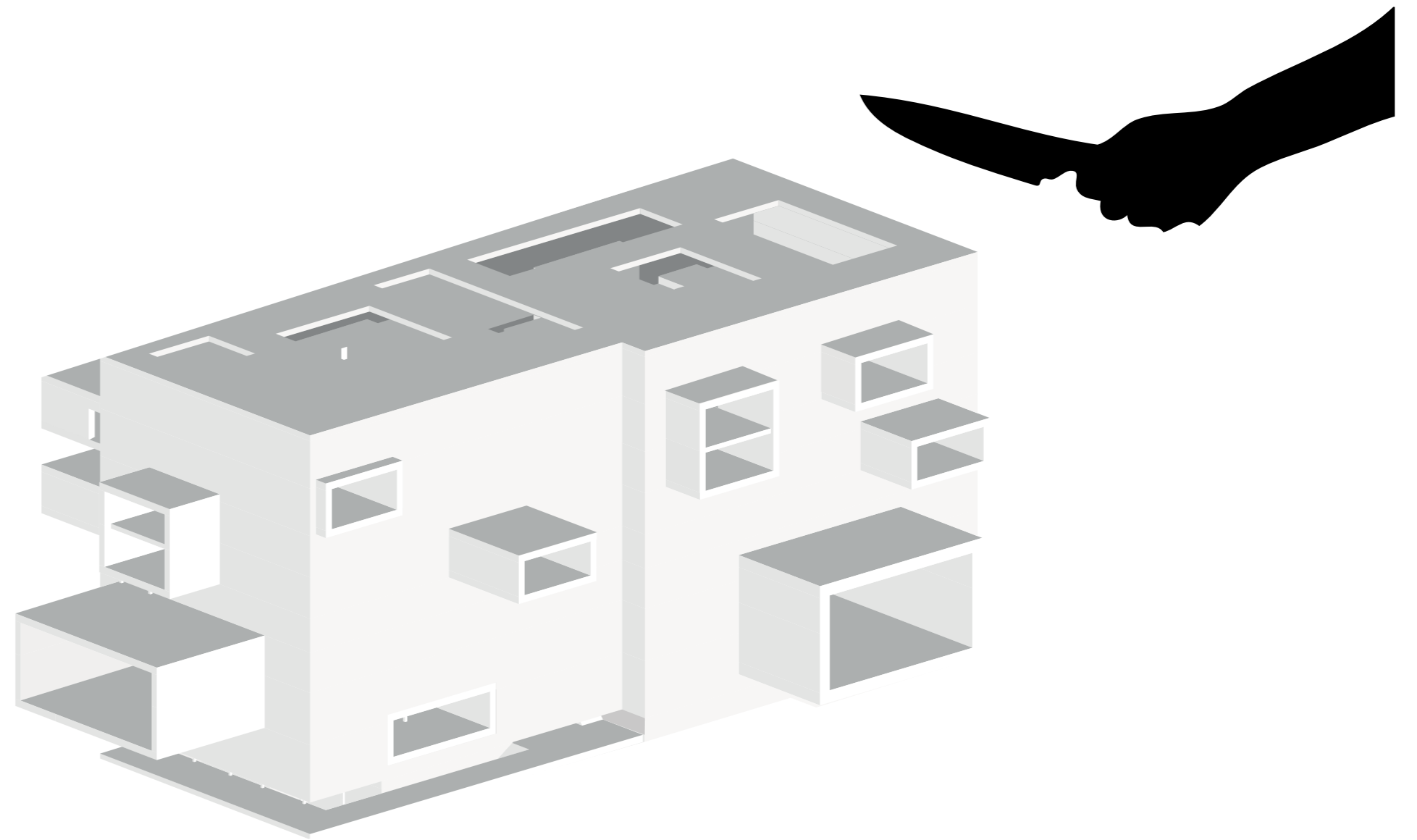
Visible connection





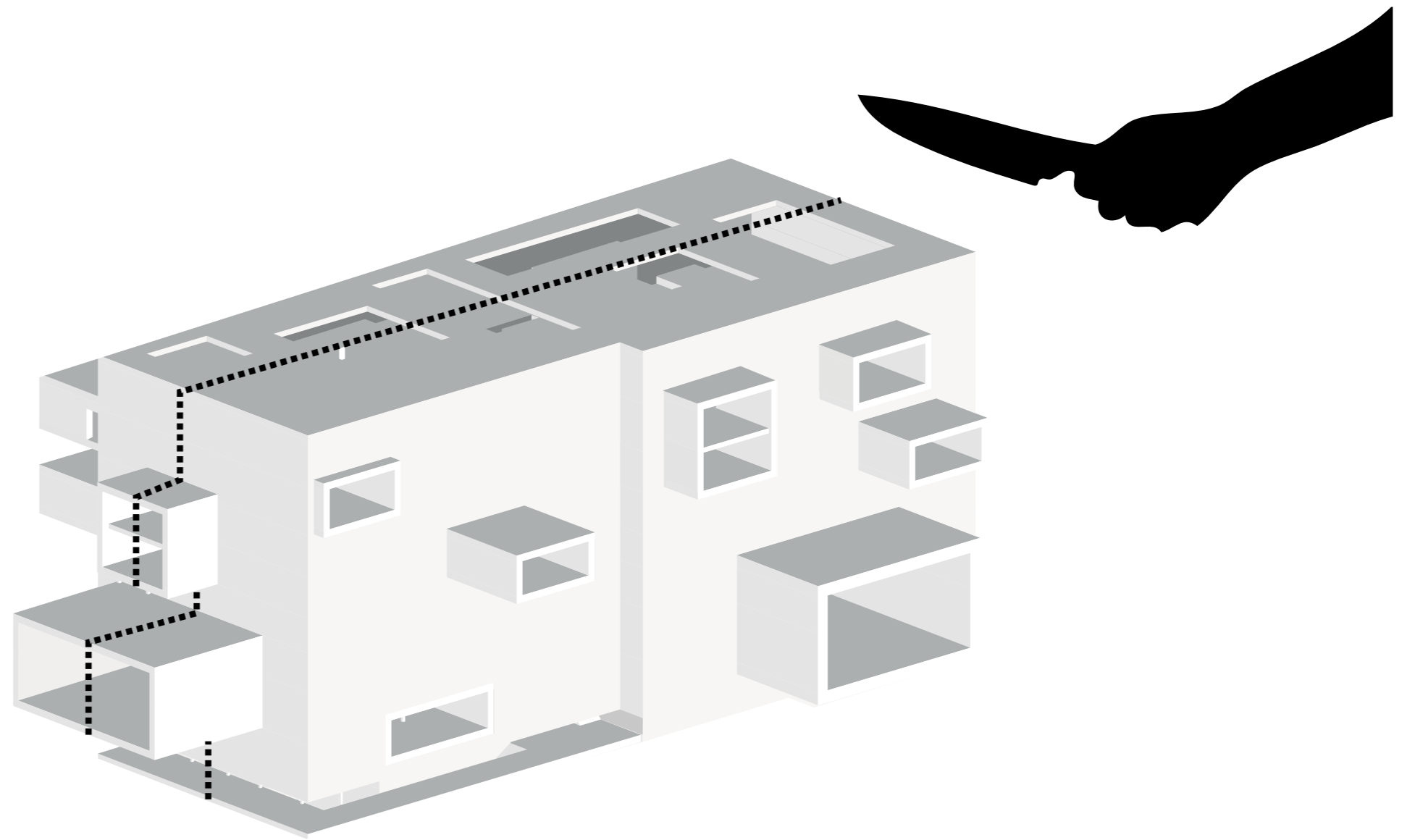
# 04 BOX-in-BOX

Visible connection



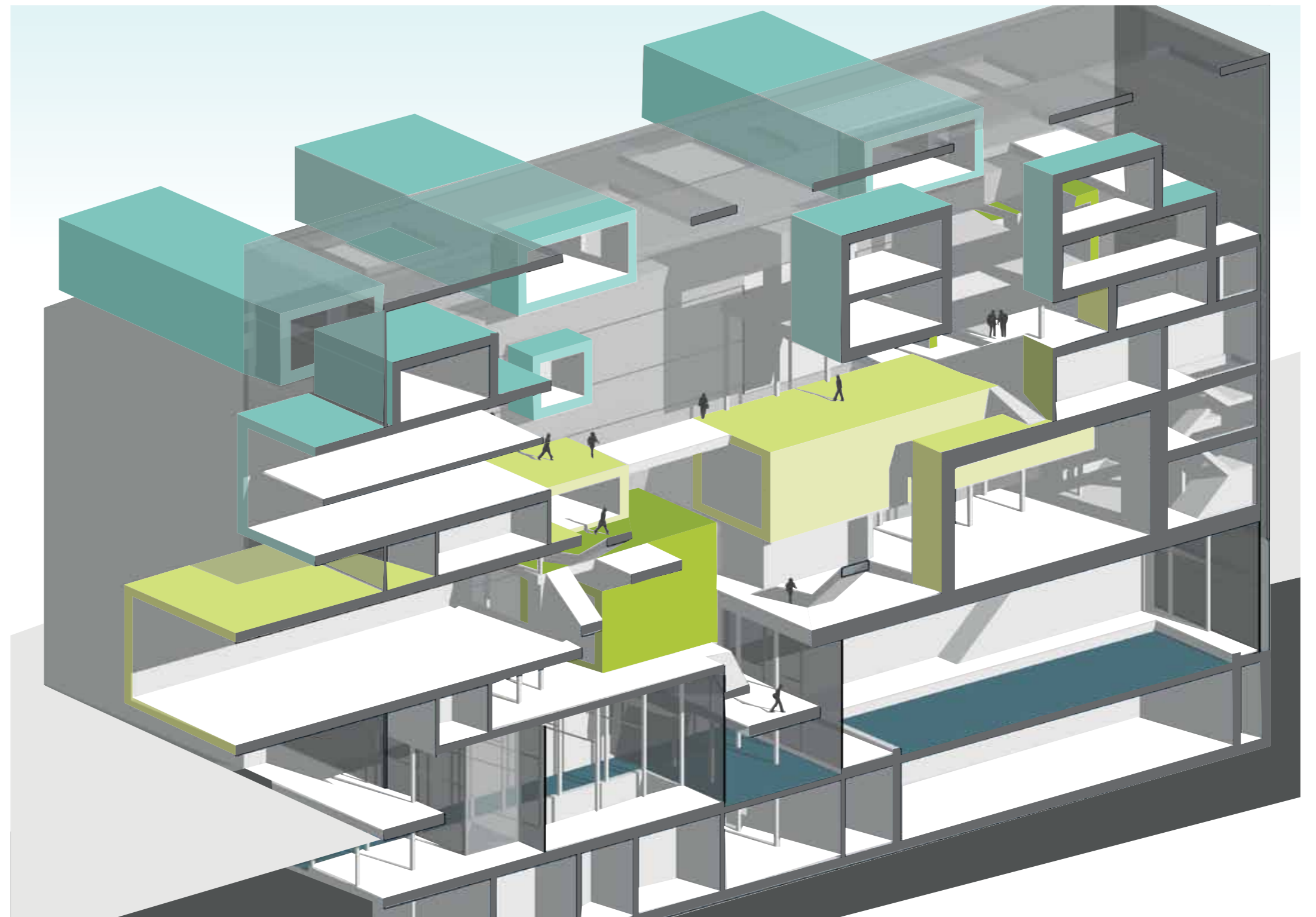
# 04 BOX-in-BOX

Visible connection



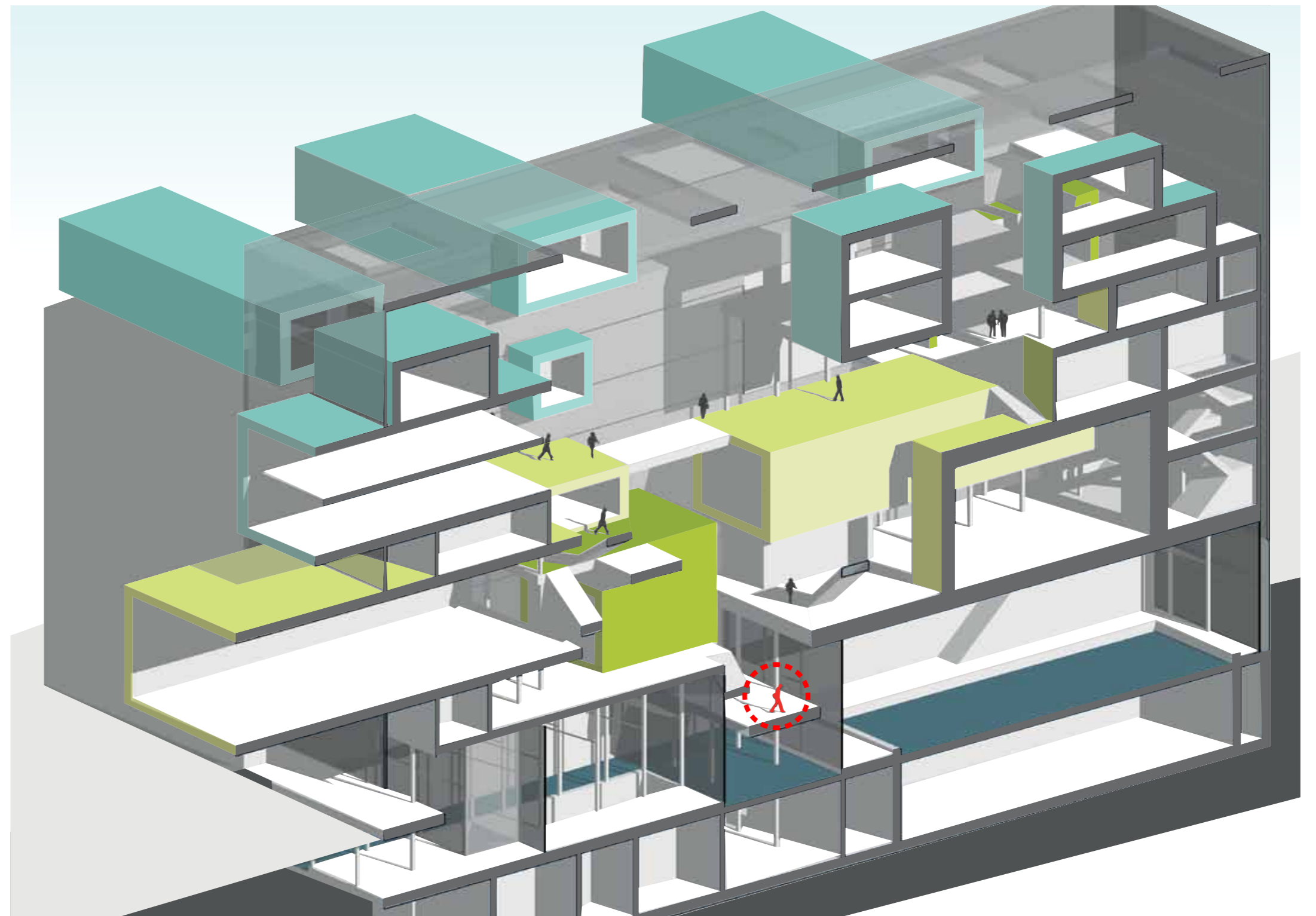
# 04 BOX-in-BOX

Visible connection



# 04 BOX-in-BOX

Visible connection



# 04 BOX-in-BOX

Visible connection

Social Awareness



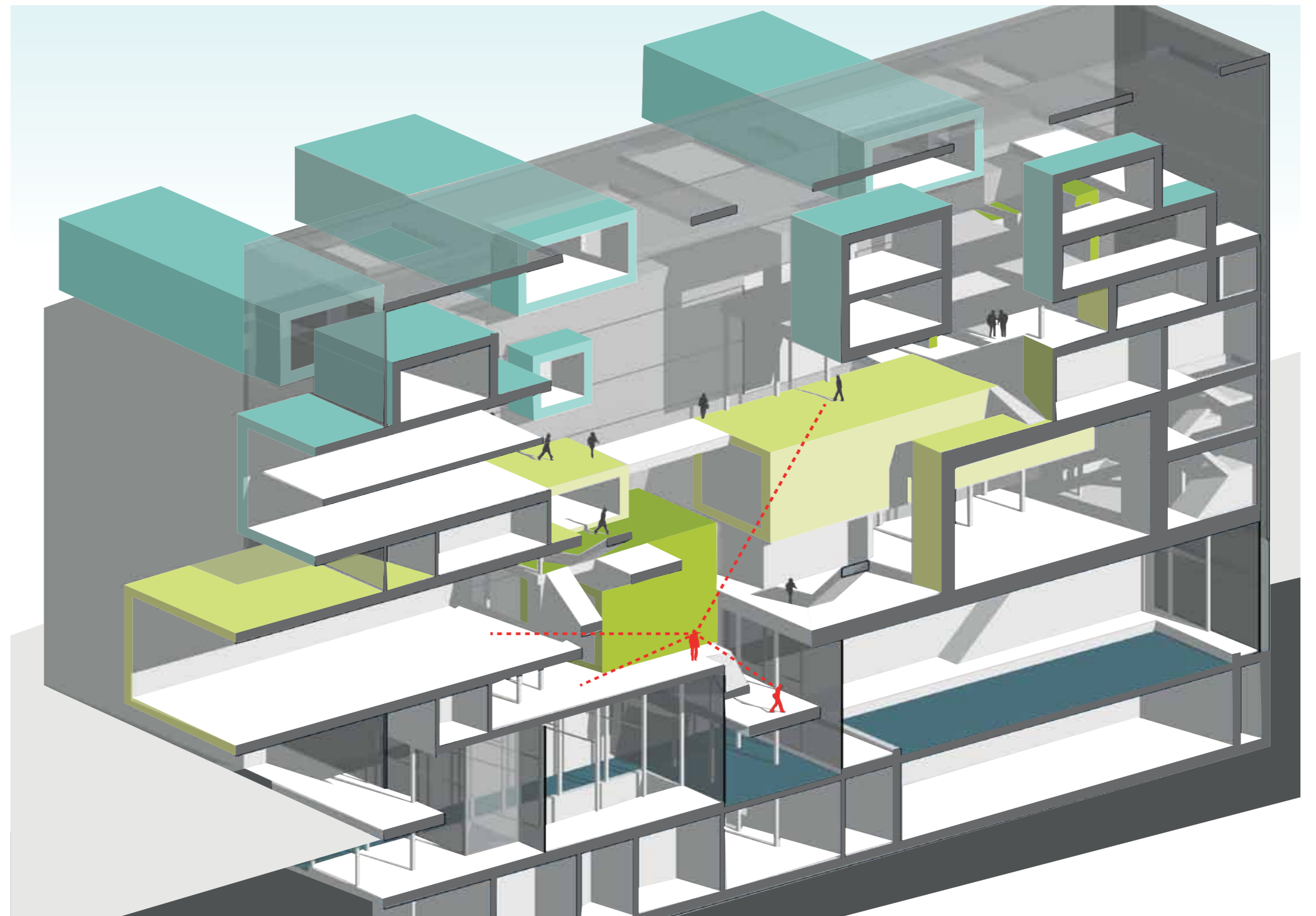
Dance area



Music bar



Sports area



# 04 BOX-in-BOX

Visible connection

Social Awareness



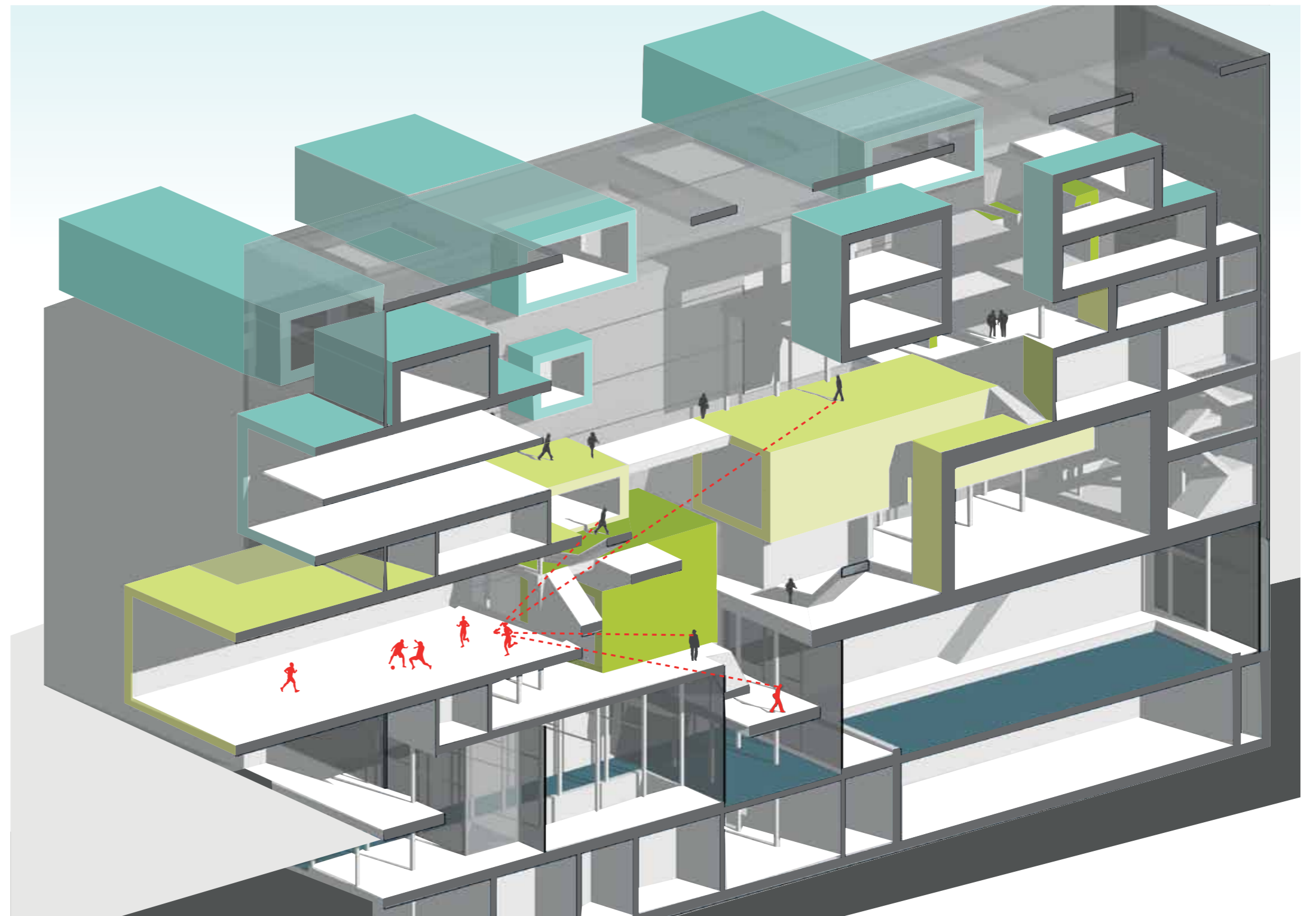
Dance area



Music bar



Fysiotherapist



# 04 BOX-in-BOX

Visible connection

Social Awareness



Dance area



Music bar



Fysiotherapist



Sports area



Congres area



Veggie bar



# 04 BOX-in-BOX

Visible connection

Social Awareness



Music bar



Fysiotherapist



Sports area



Congres area



Veggie bar



Lunch bar



Apartment





# 04 BOX-in-BOX

Visible connection

Social Awareness



Music bar



Veggie bar



Dance area



Apartment



# 04 BOX-in-BOX

Visible connection

Social Awareness



Music bar



Veggie bar



Apartment



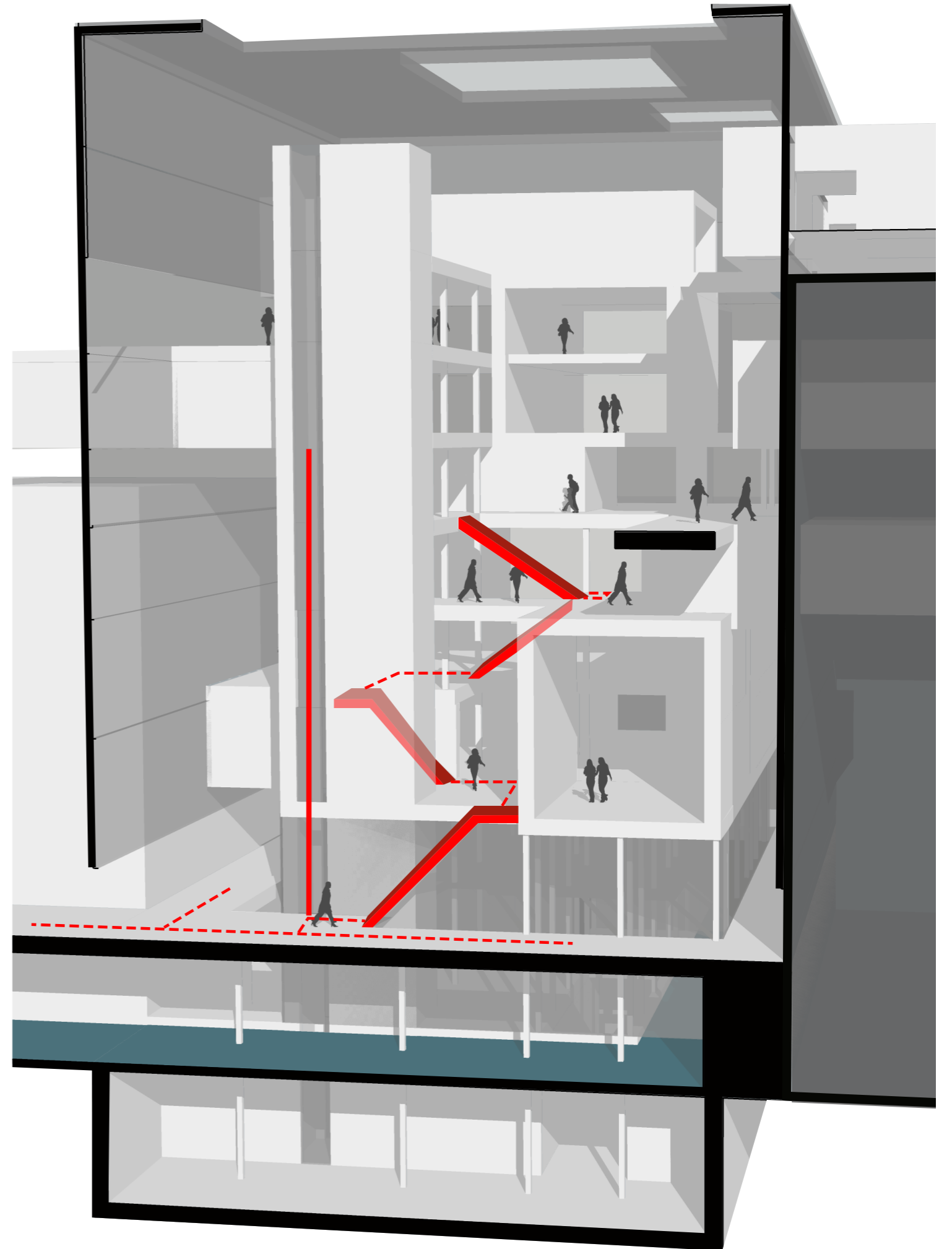
Topview



# 04 BOX-in-BOX

Visible connection

Public route: left



# 04 BOX-in-BOX

Visible connection

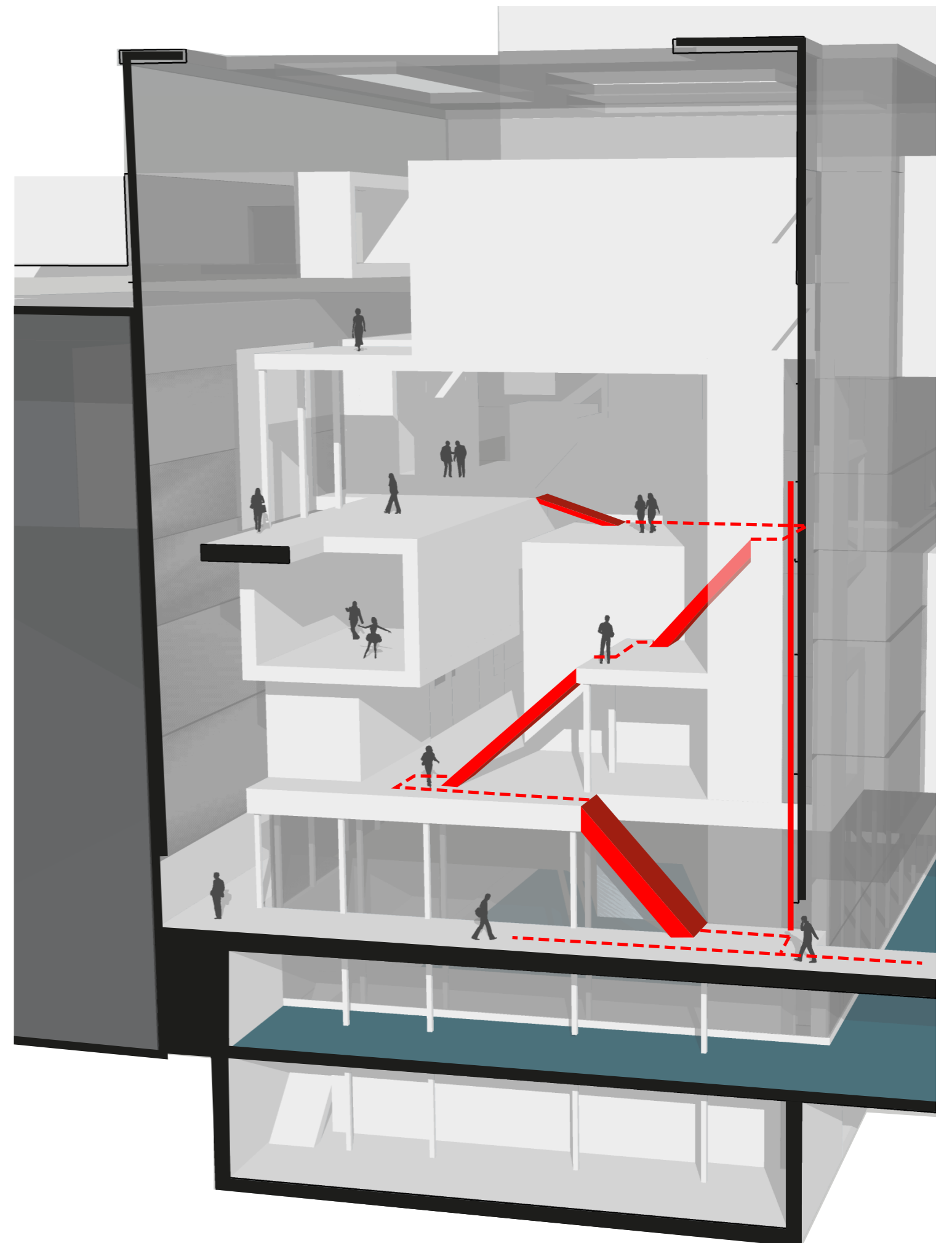
Public route: left view



# 04 BOX-in-BOX

Visible connection

Public route: right



# 04 BOX-in-BOX

Visible connection

Public route: right view



# 04 BOX-in-BOX

Construction

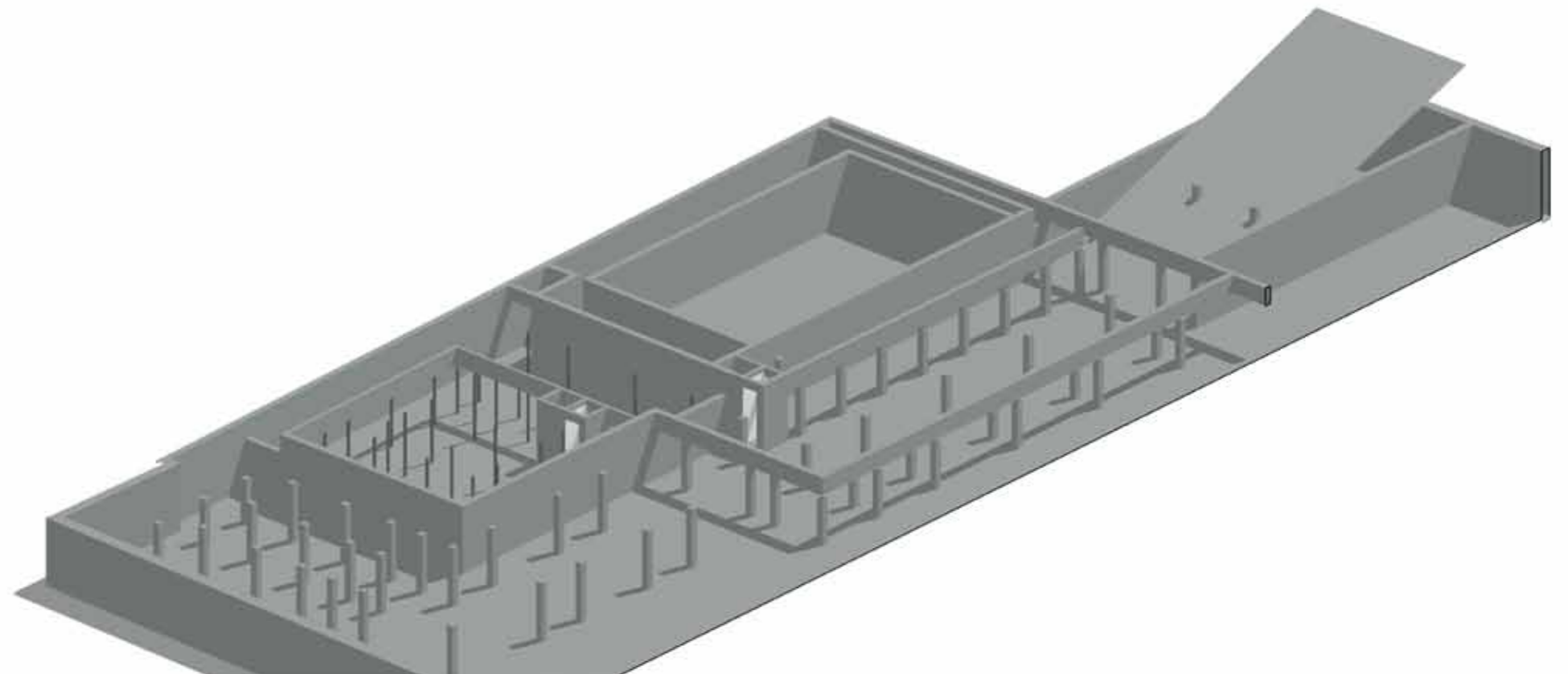




# 04 BOX-in-BOX

Construction

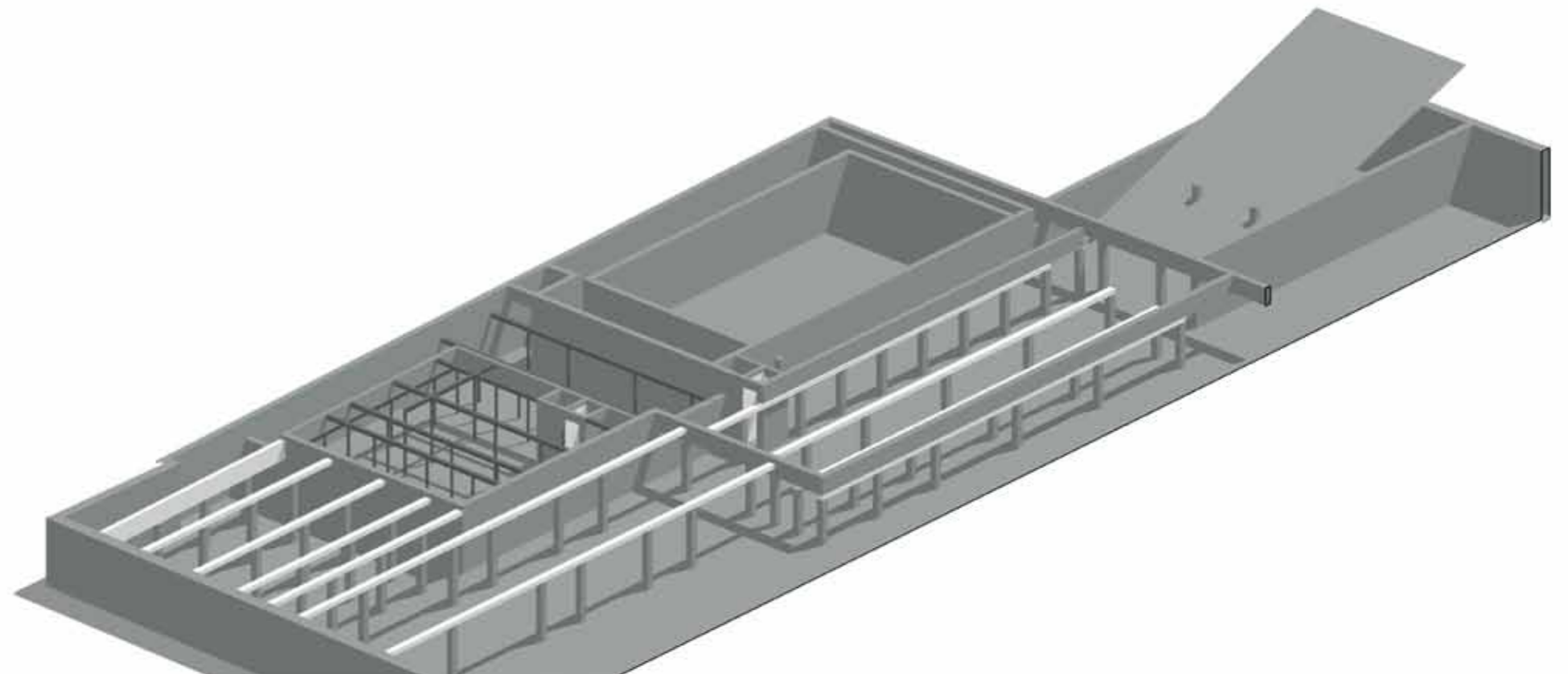
**-2** Concrete foundation



# 04 BOX-in-BOX

Construction

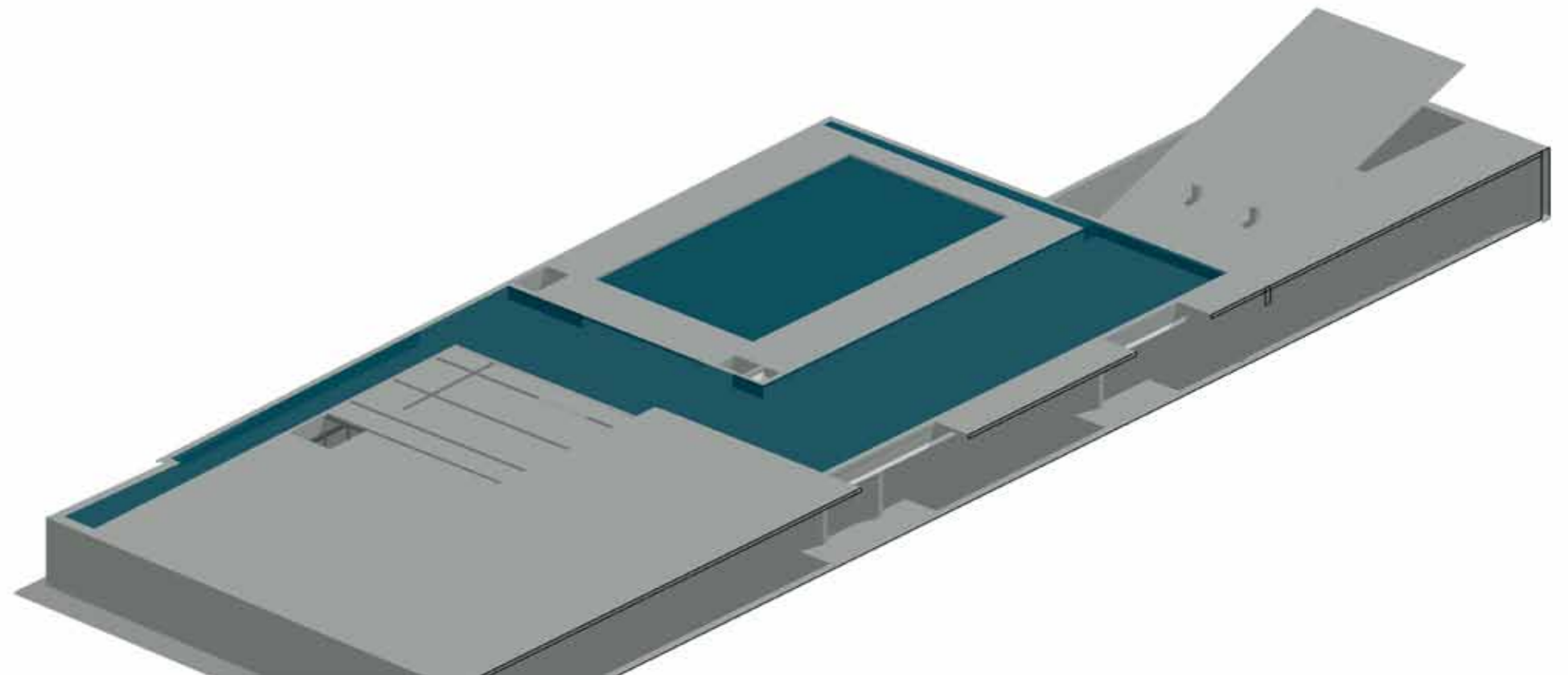
**-2** Concrete foundation  
Concrete beams



# 04 BOX-in-BOX

Construction

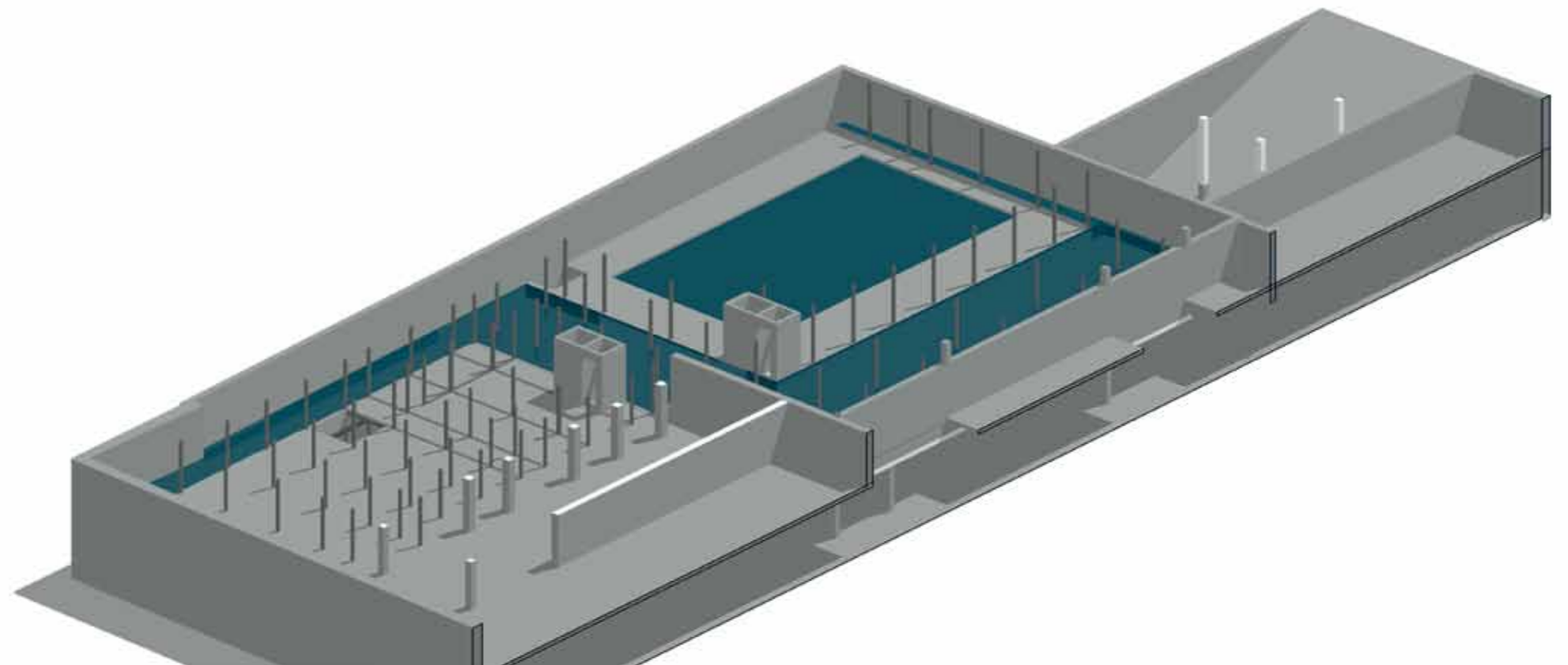
-1 Concrete floor



# 04 BOX-in-BOX

Construction

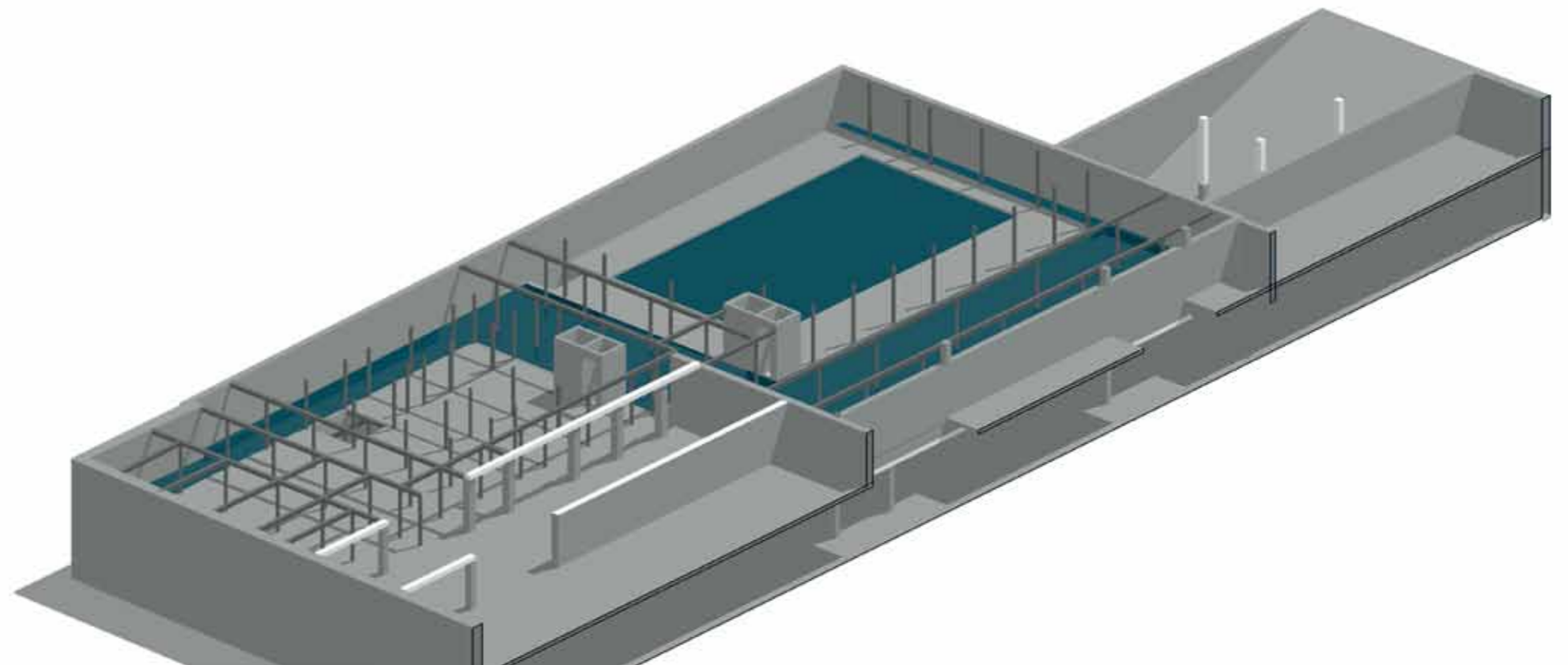
- 1 Concrete floor  
Concrete + Steel columns



# 04 BOX-in-BOX

Construction

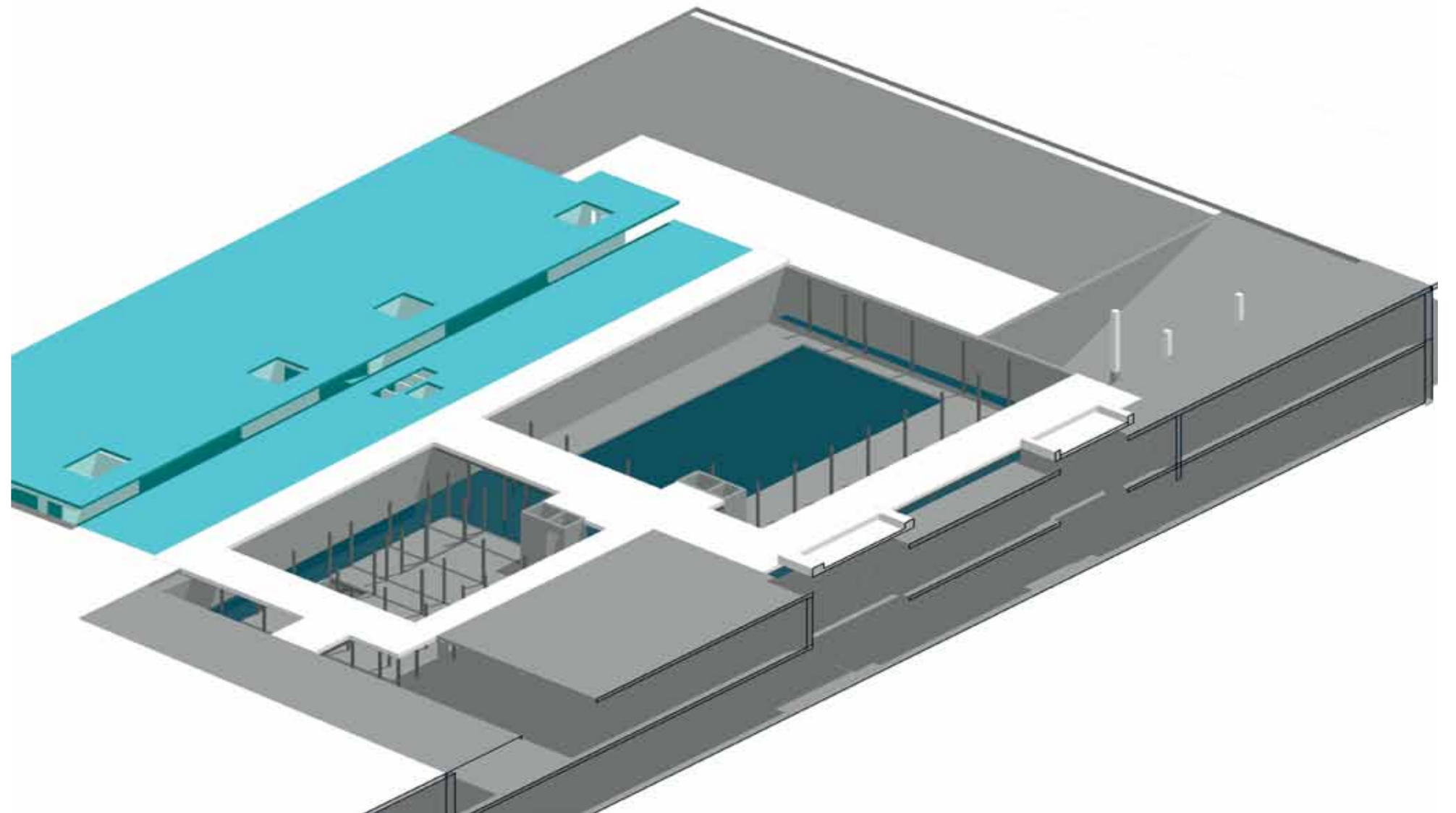
- 1 Concrete floor
- Concrete + Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

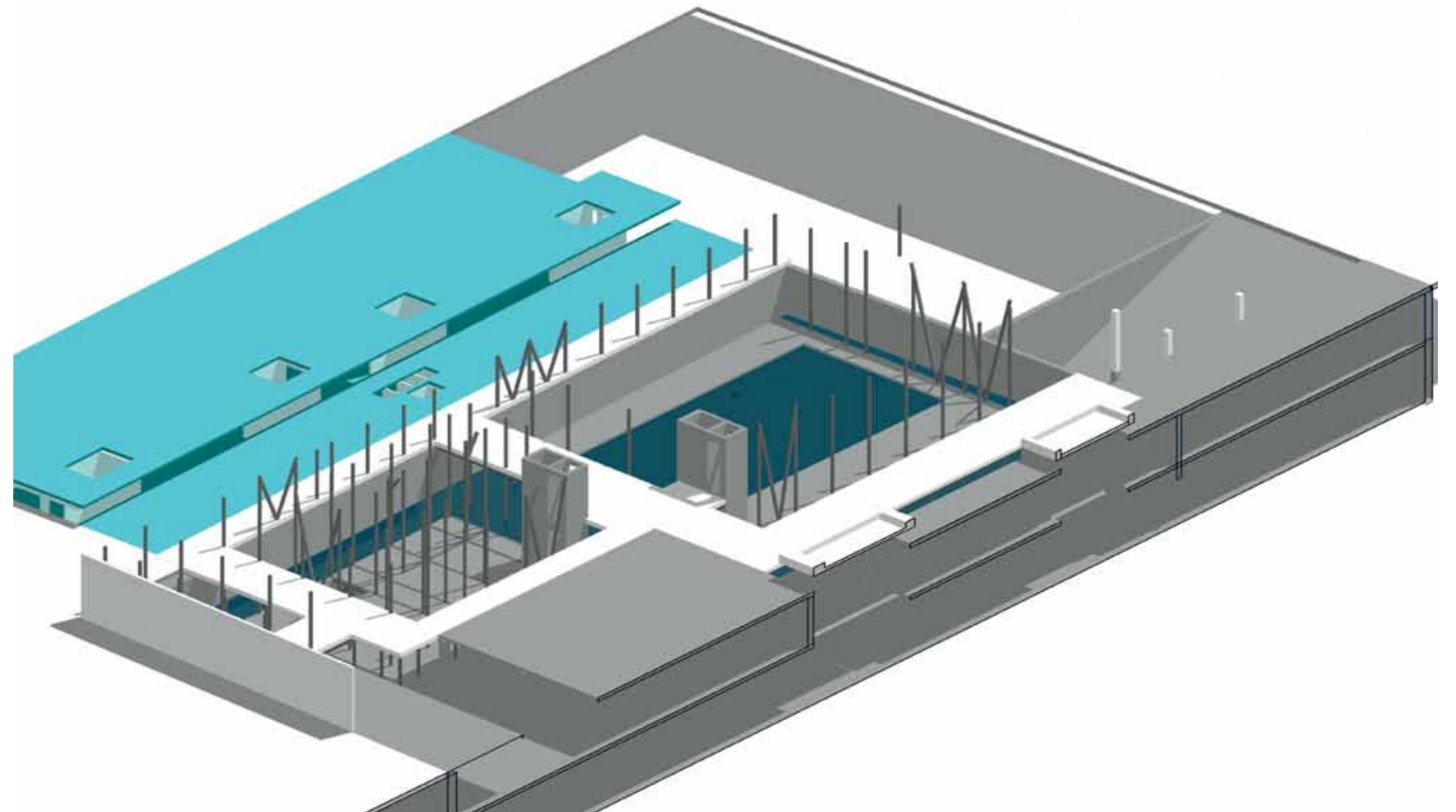
0 Concrete floor



# 04 BOX-in-BOX

Construction

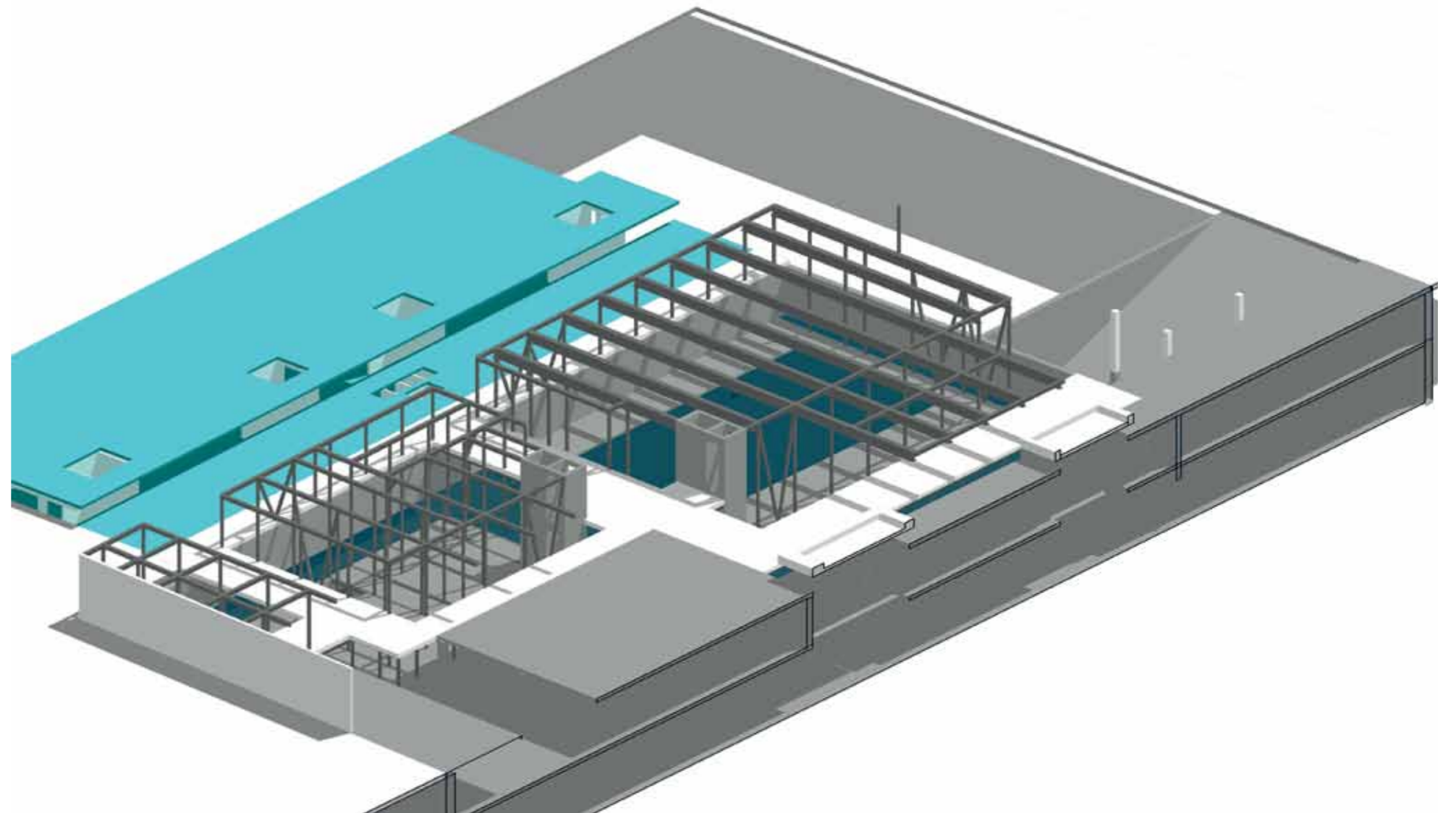
- 0 Concrete floor
- Steel columns



# 04 BOX-in-BOX

Construction

- 0 Concrete floor
- Steel columns
- Steel beams

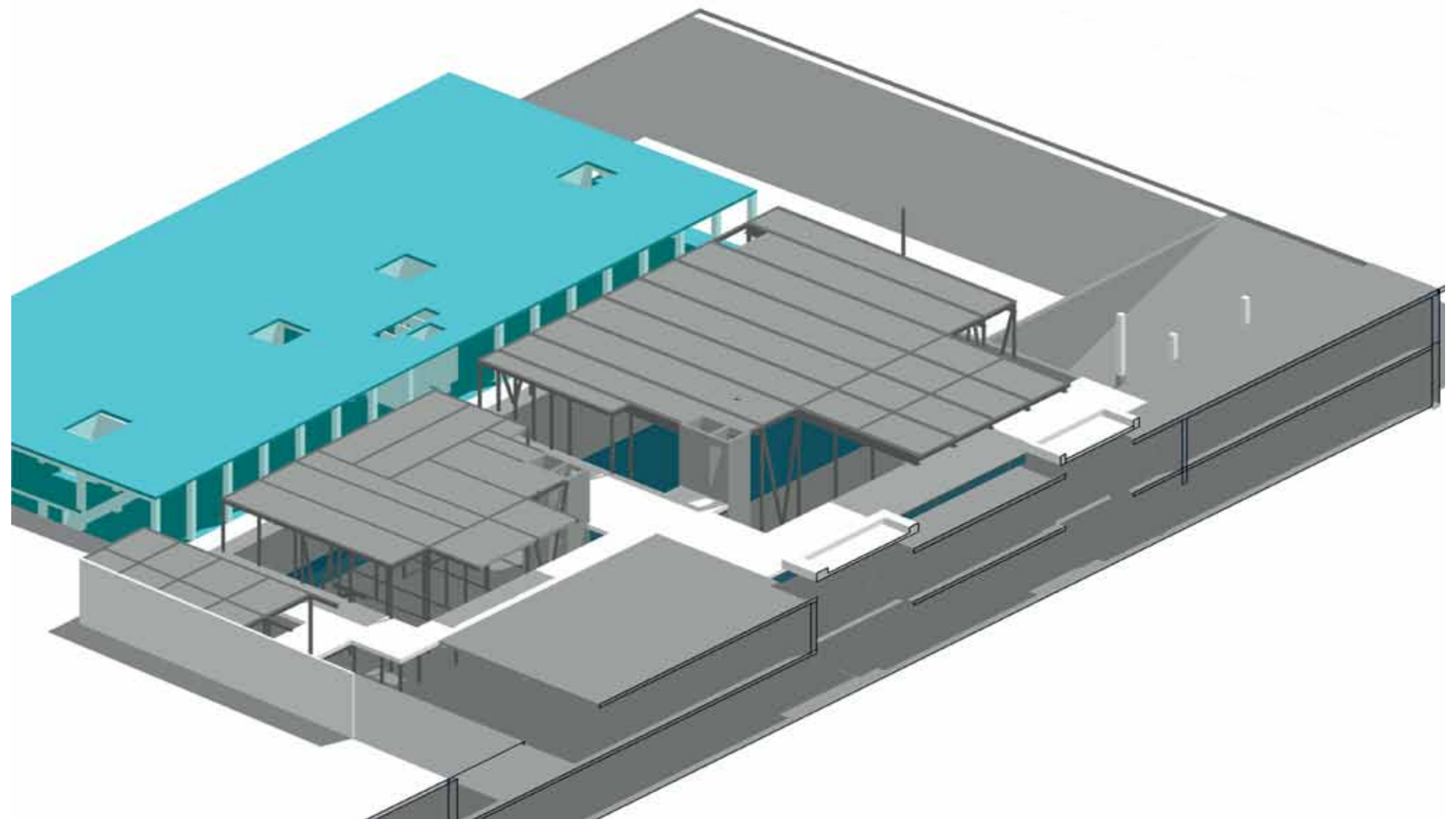




# 04 BOX-in-BOX

Construction

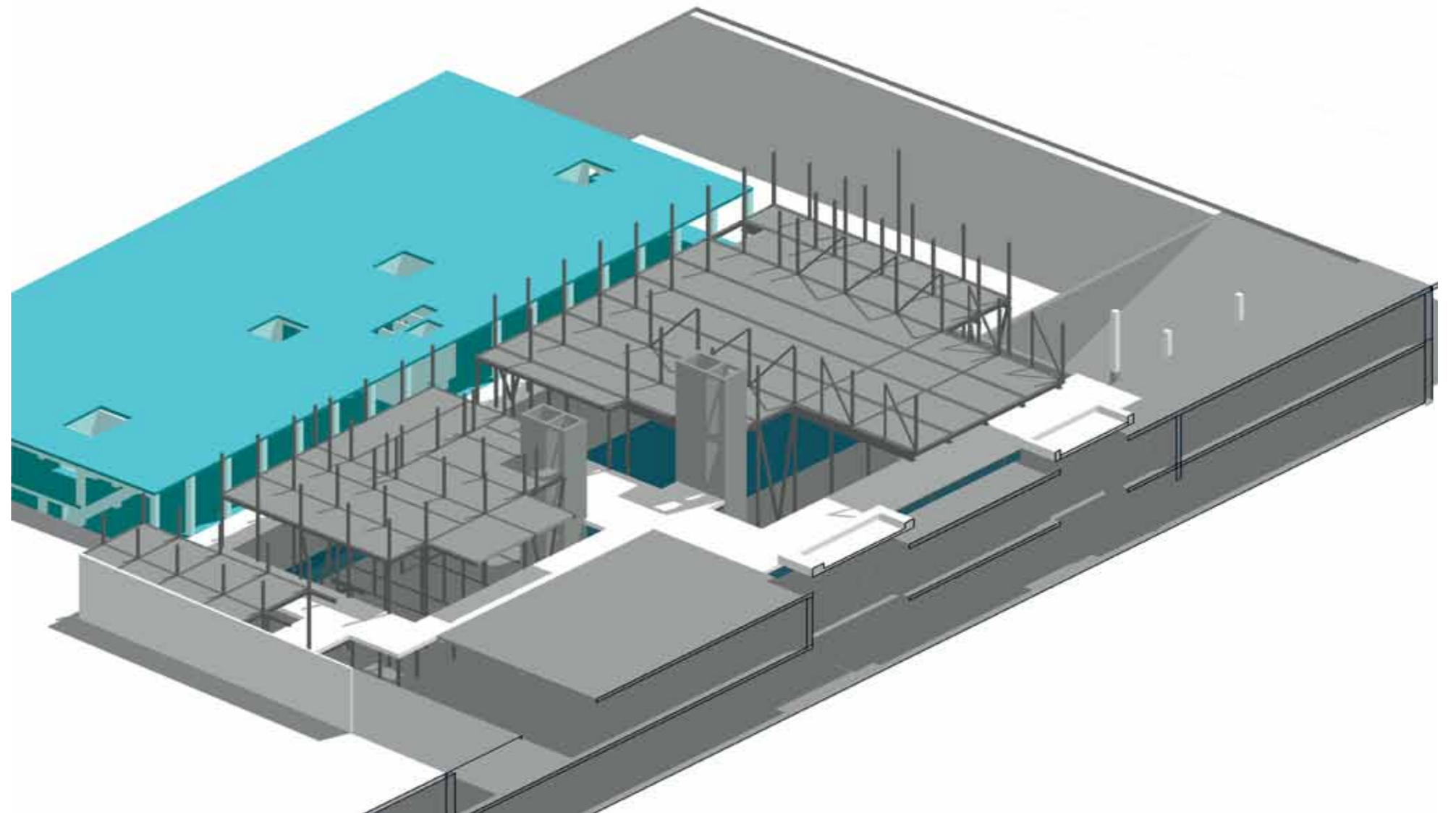
I Concrete floor



# 04 BOX-in-BOX

Construction

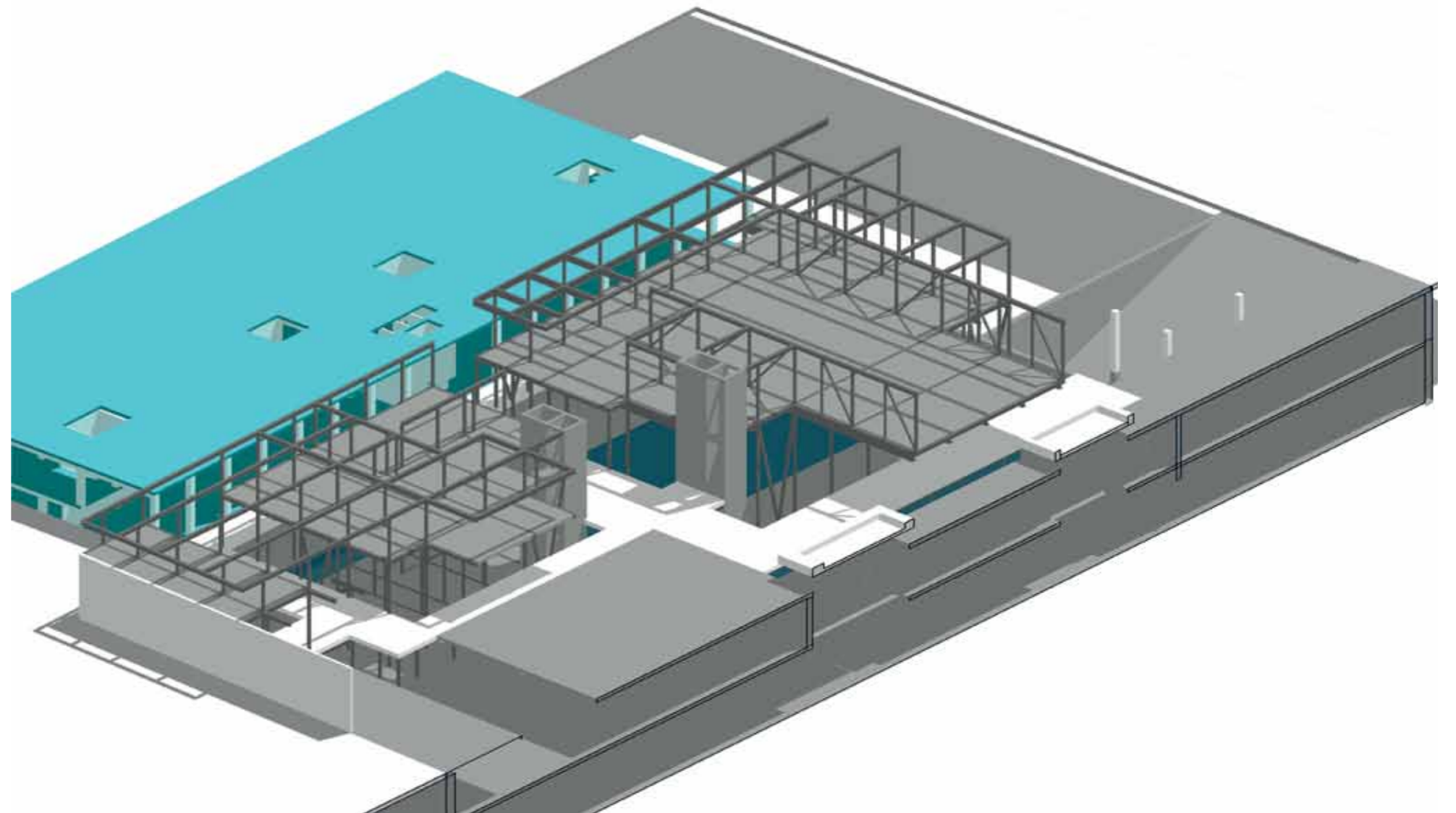
- | Concrete floor
- Steel columns



# 04 BOX-in-BOX

Construction

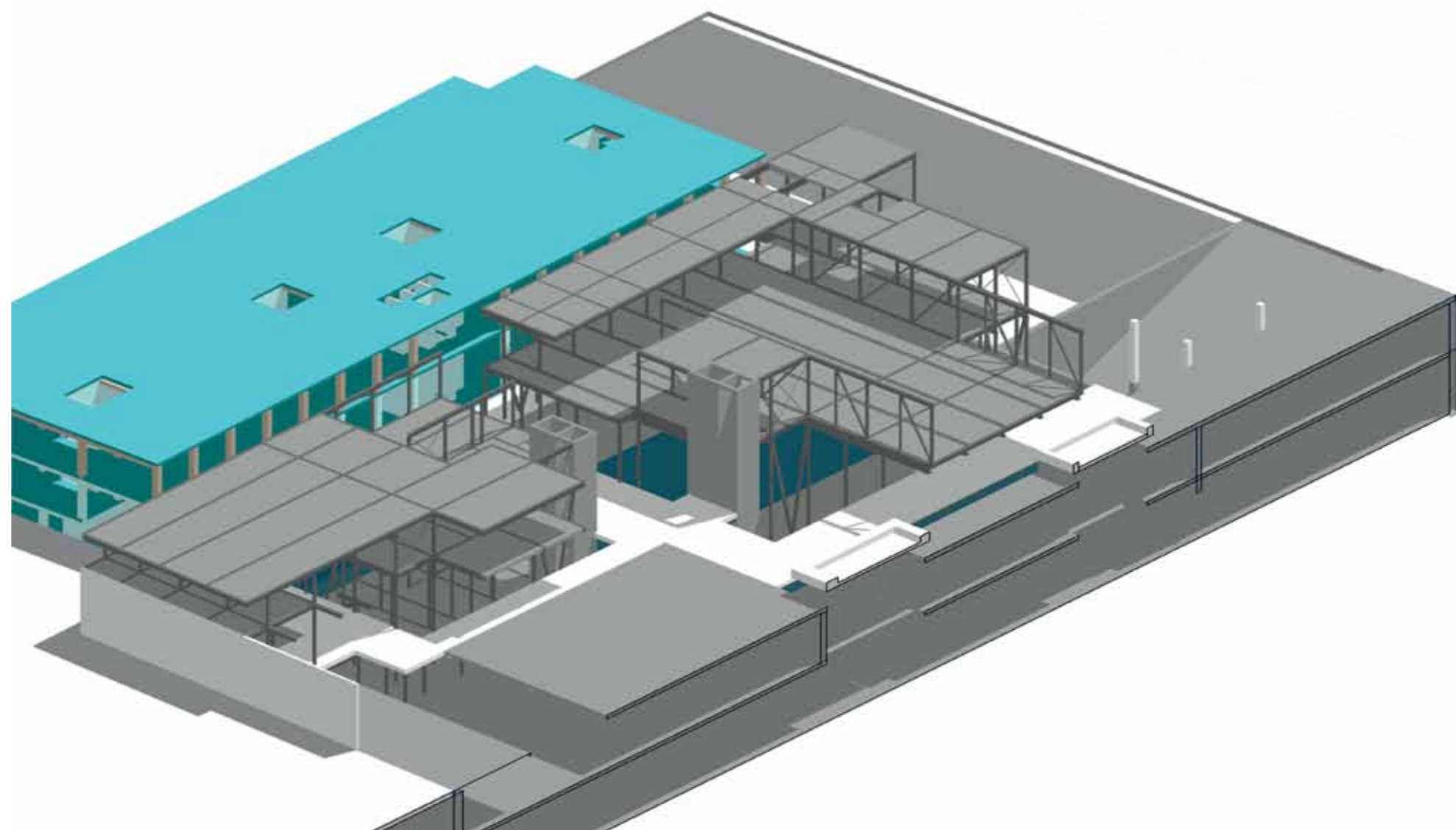
- | Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

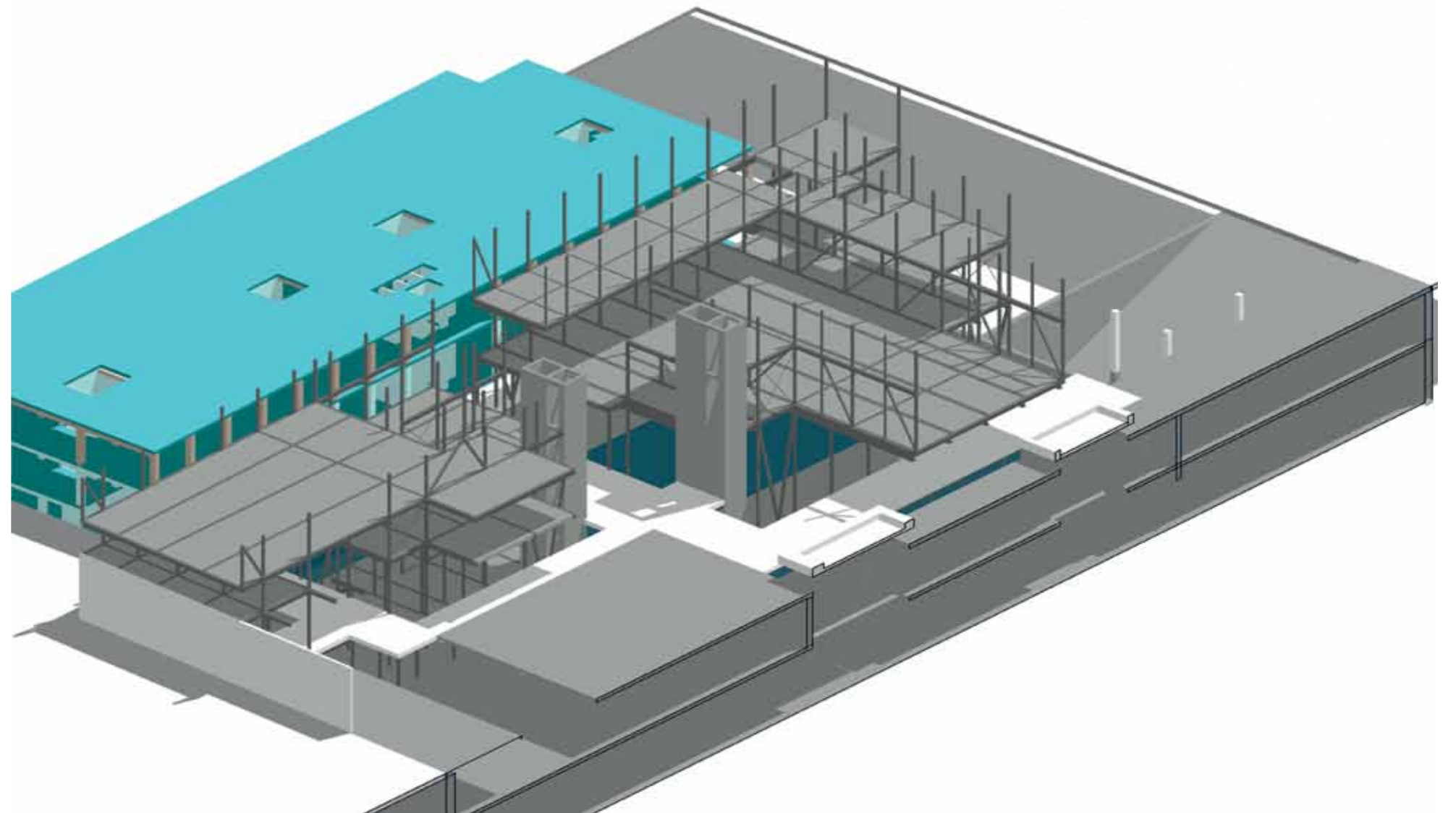
## 2 Concrete floor



# 04 BOX-in-BOX

Construction

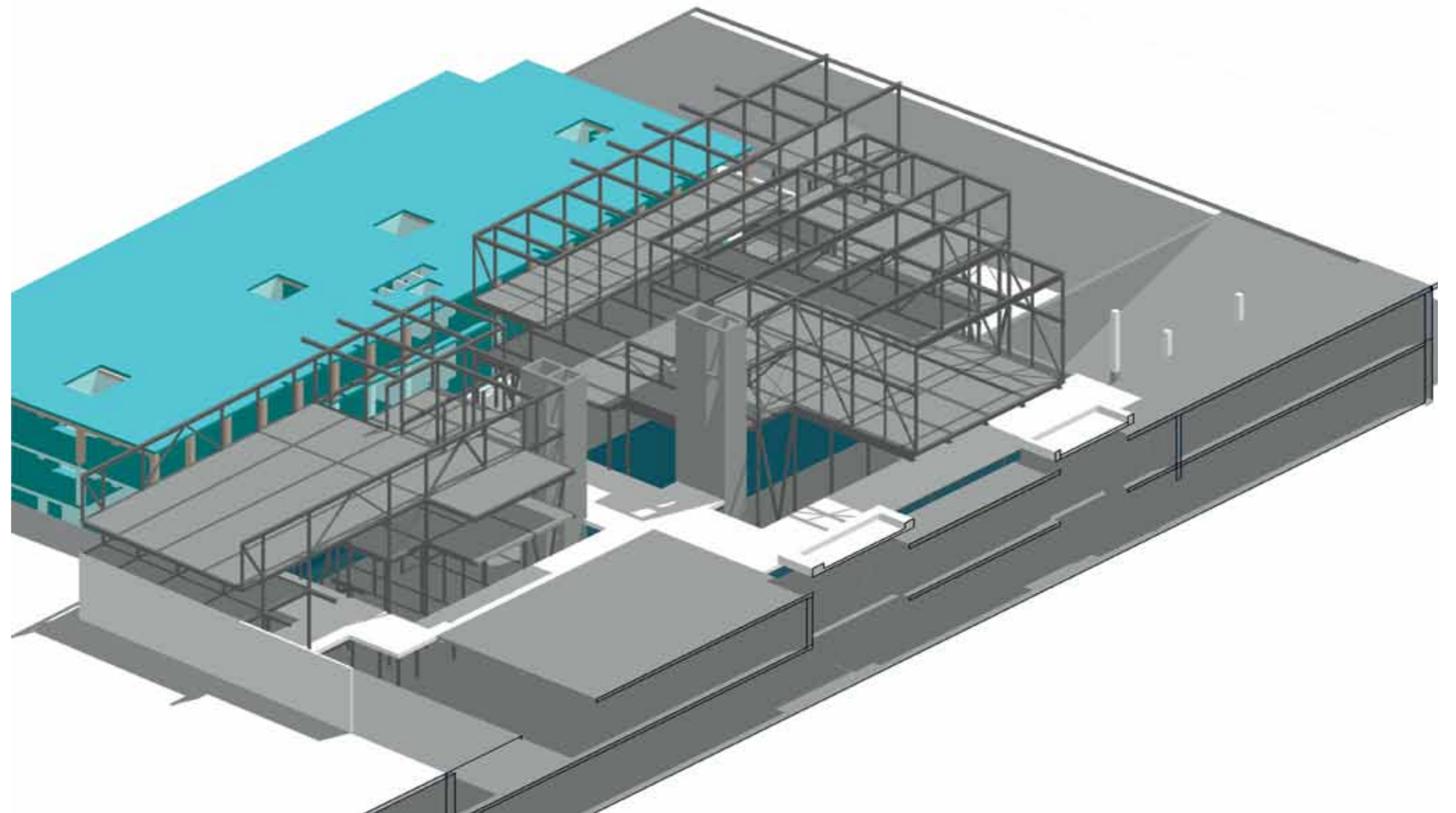
- 2 Concrete floor  
Steel columns



# 04 BOX-in-BOX

Construction

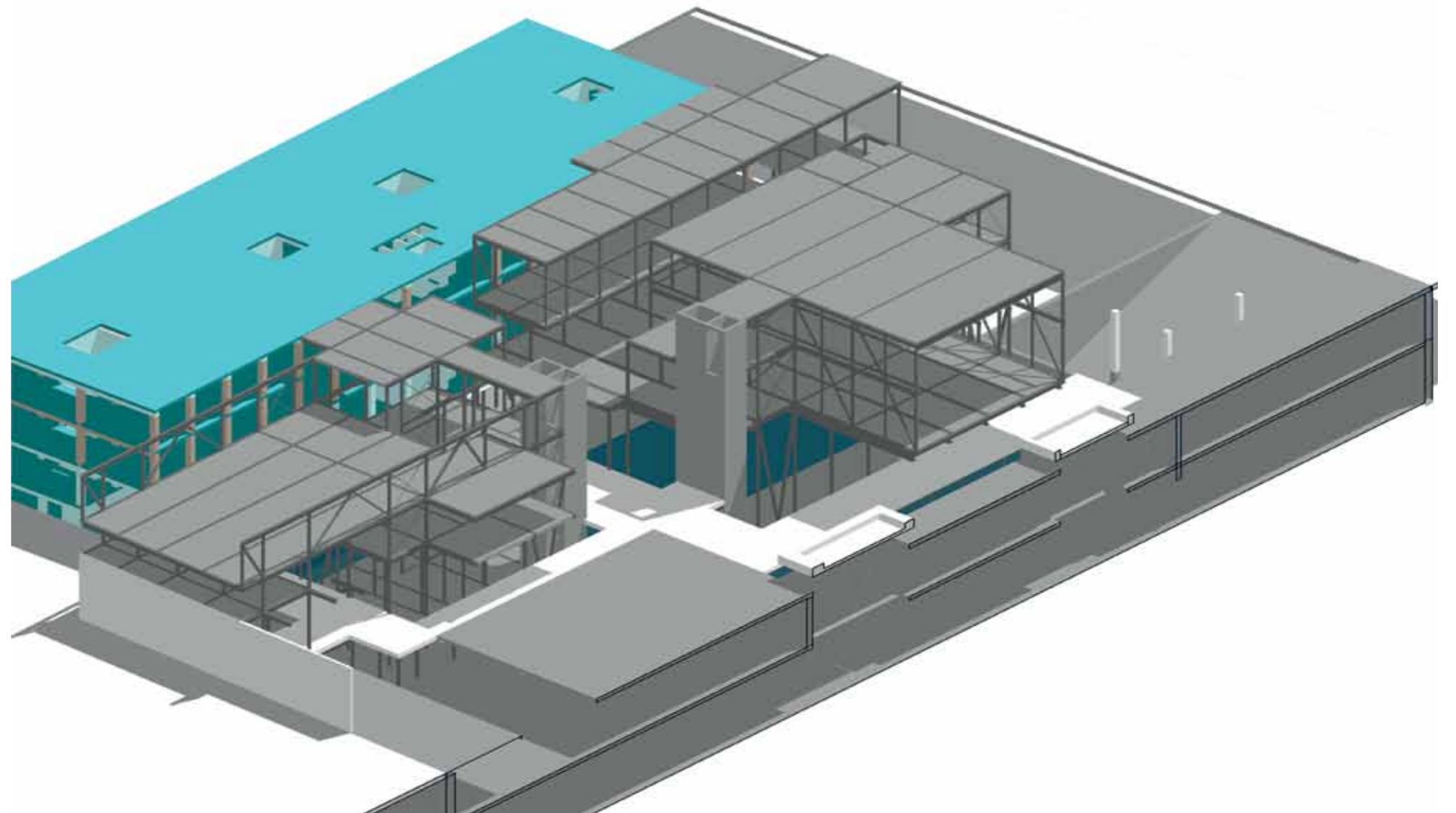
- 2 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

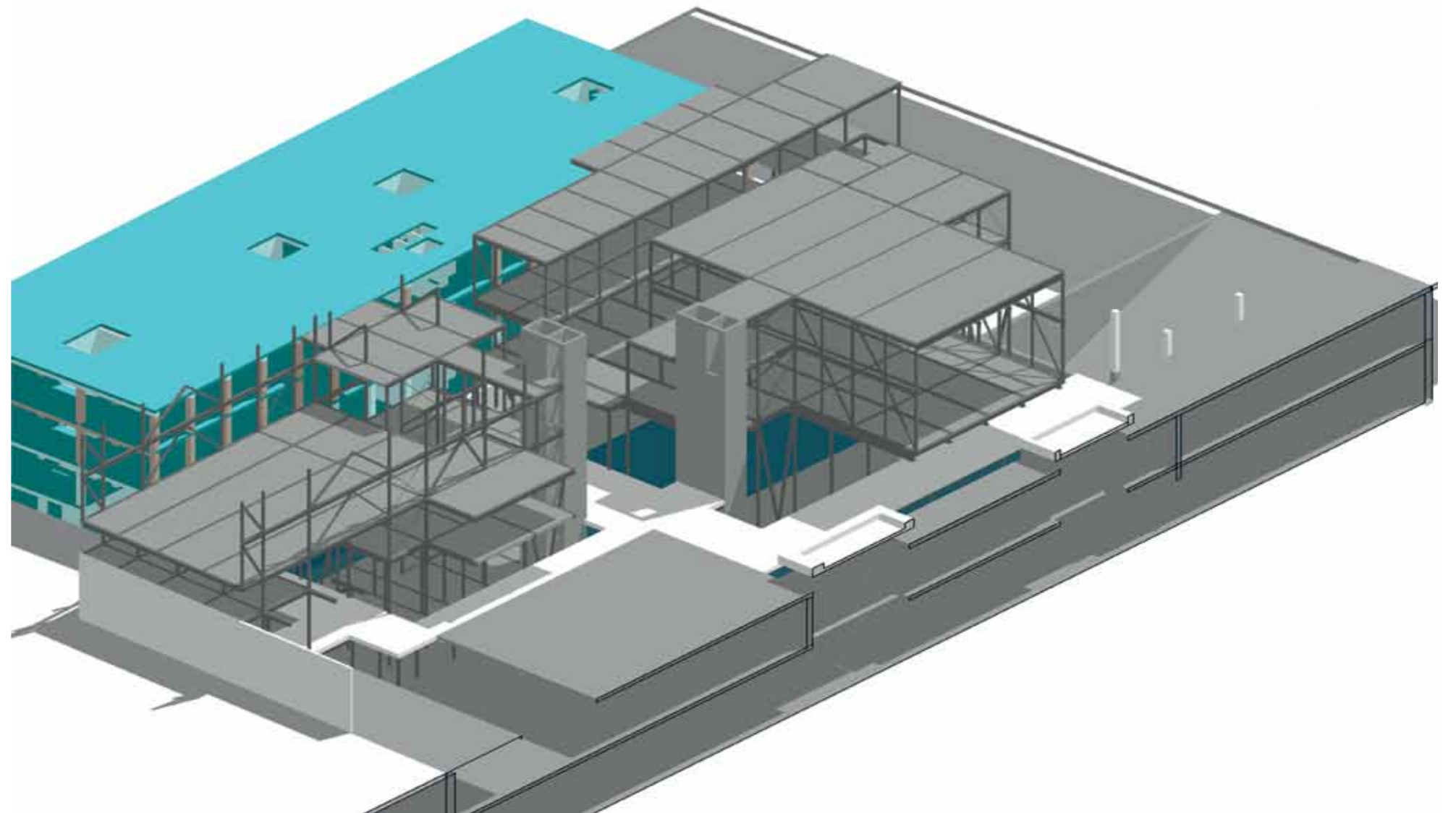
## 3 Concrete floor



# 04 BOX-in-BOX

Construction

- 3 Concrete floor  
Steel columns

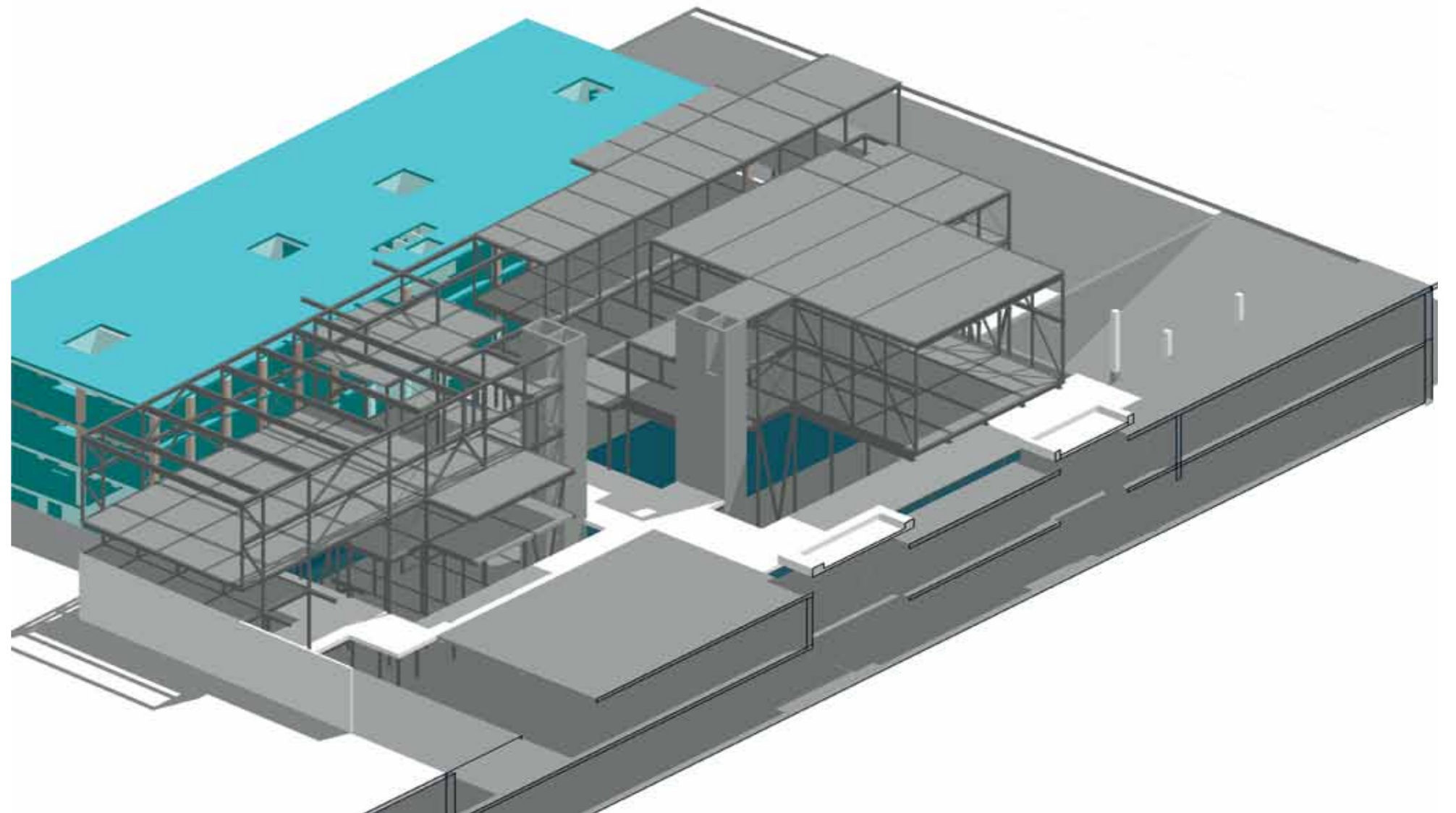




# 04 BOX-in-BOX

Construction

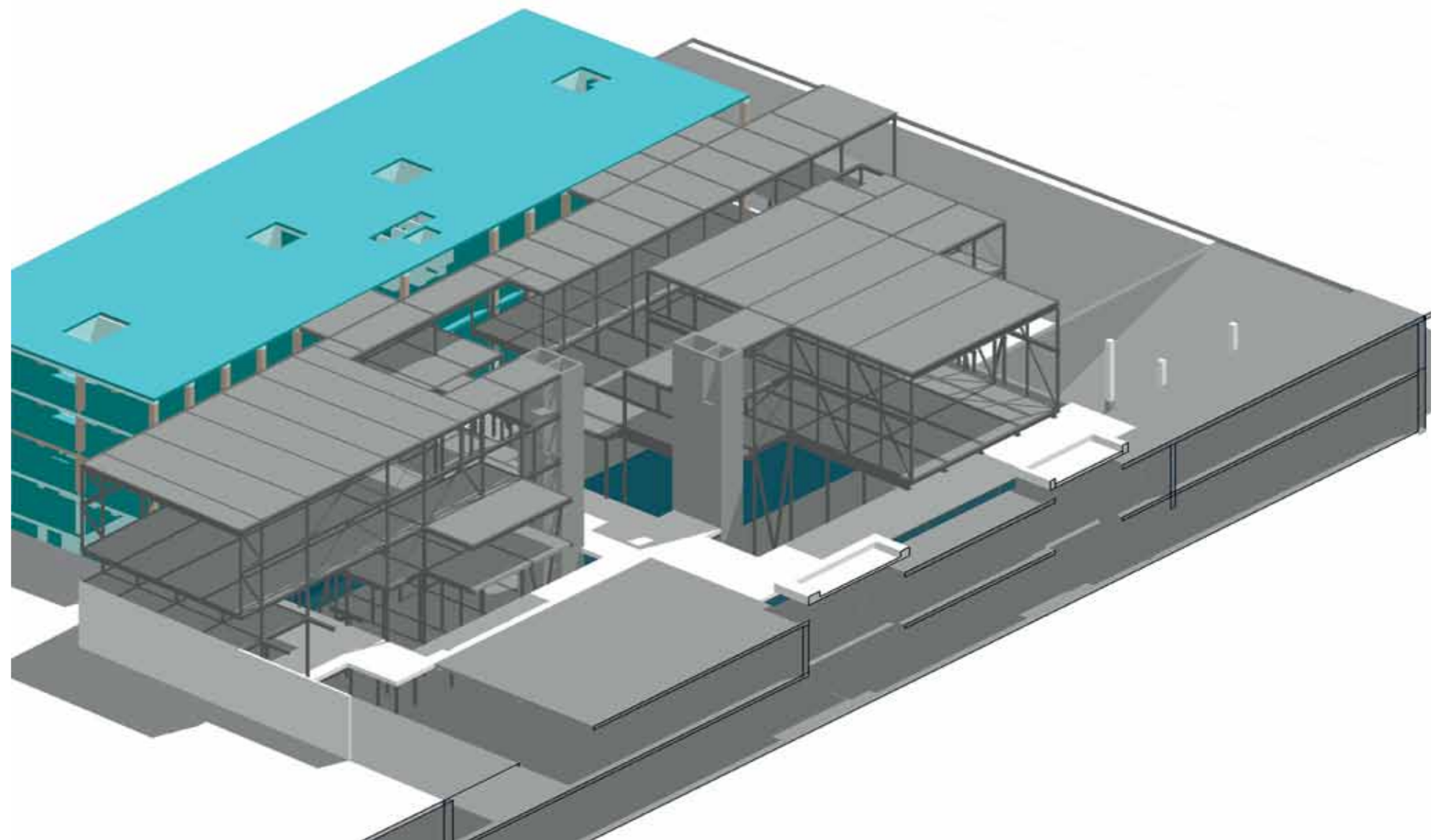
- 3 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

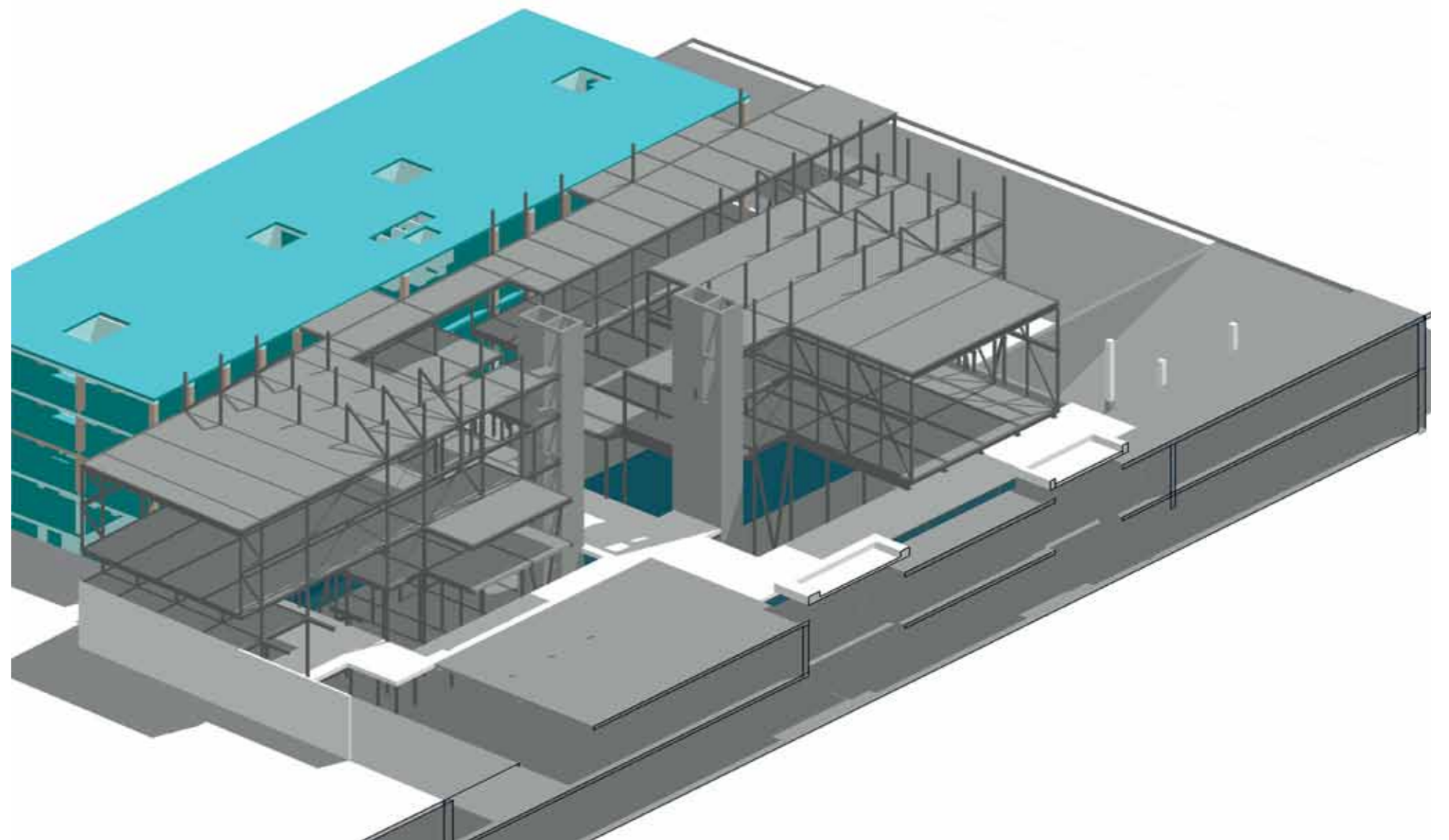
## 4 Concrete floor



# 04 BOX-in-BOX

Construction

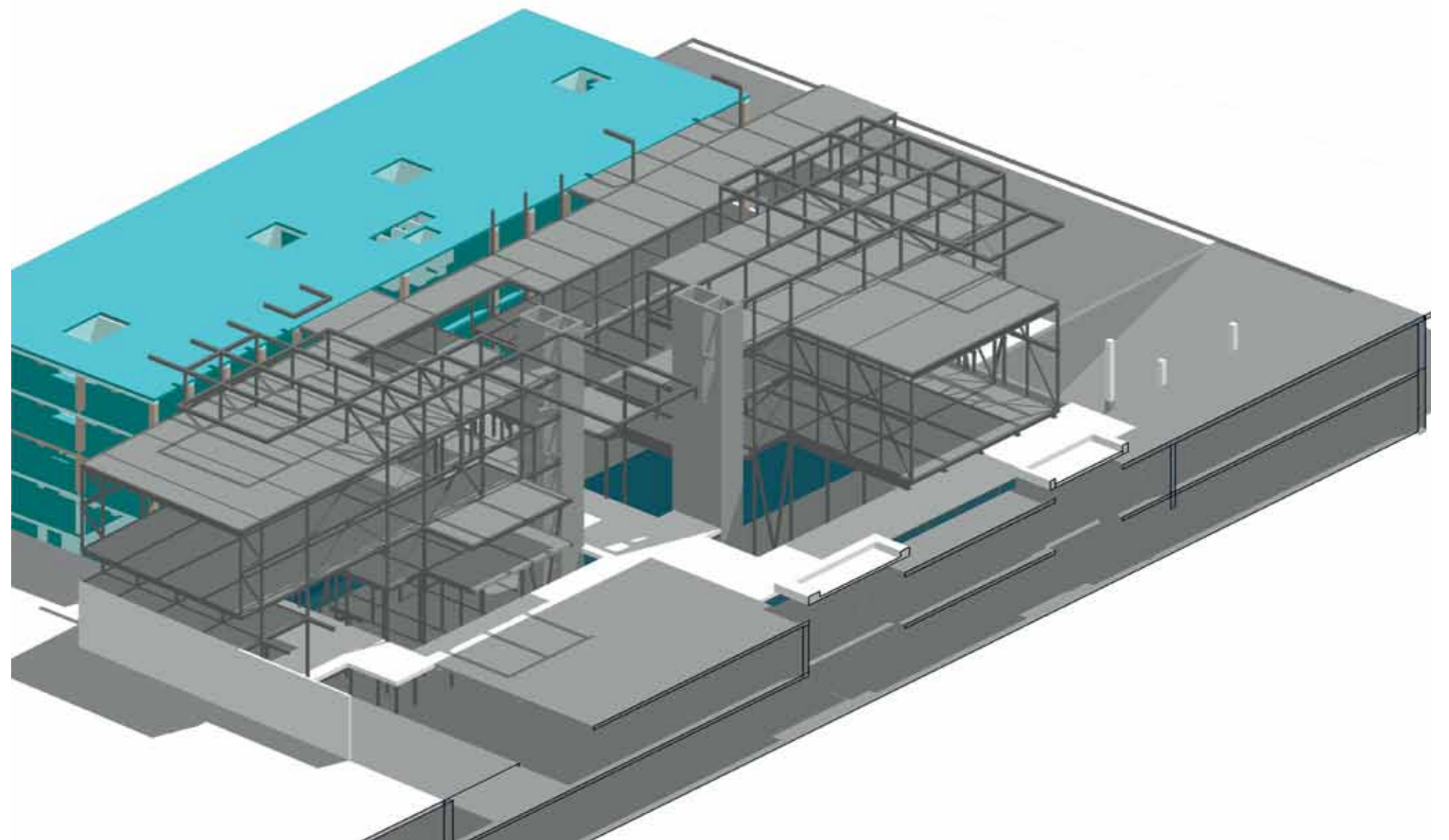
- 4 Concrete floor
- Steel columns



# 04 BOX-in-BOX

Construction

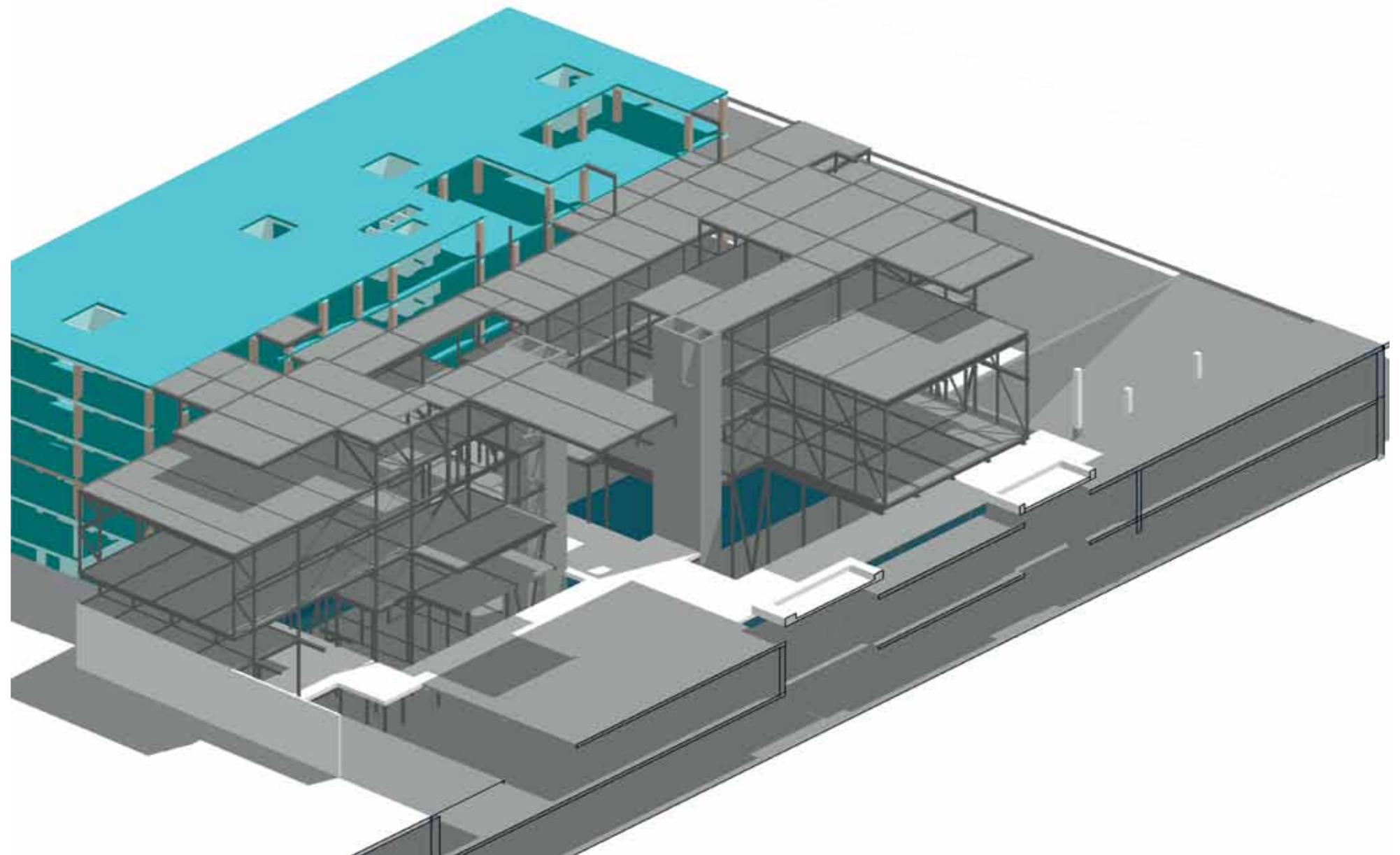
- 4 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

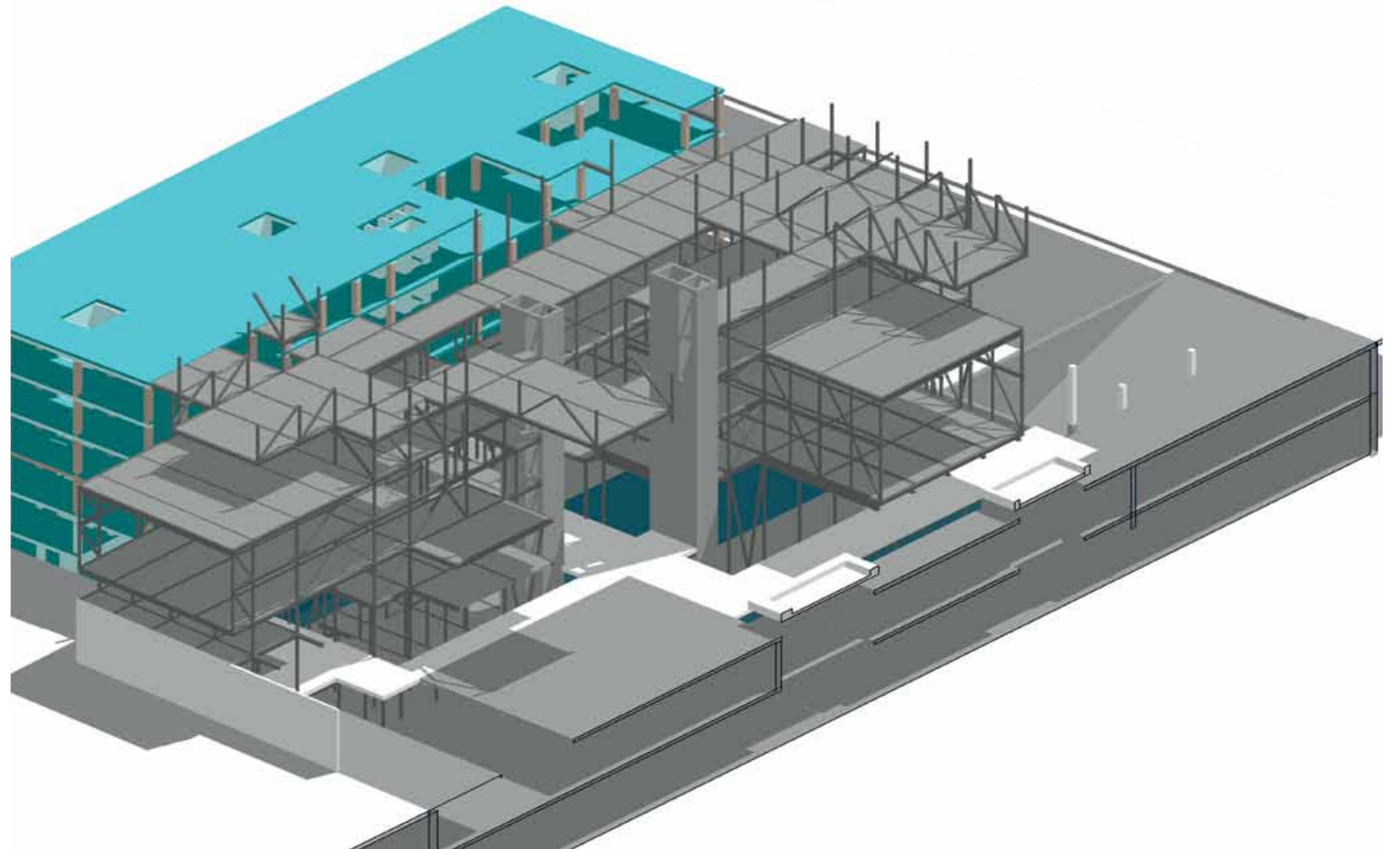
## 5 Concrete floor



# 04 BOX-in-BOX

Construction

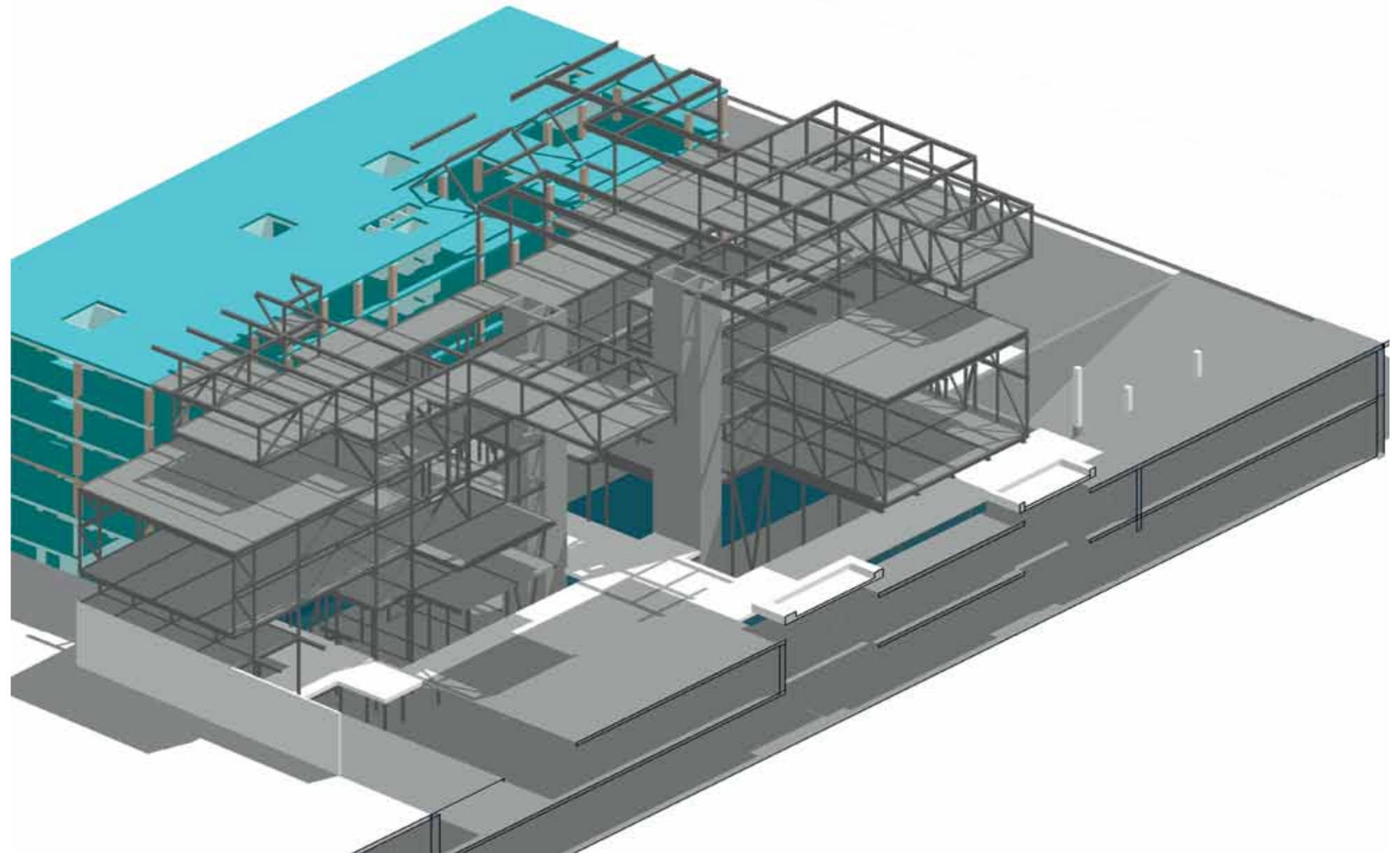
- 5 Concrete floor  
Steel columns



# 04 BOX-in-BOX

Construction

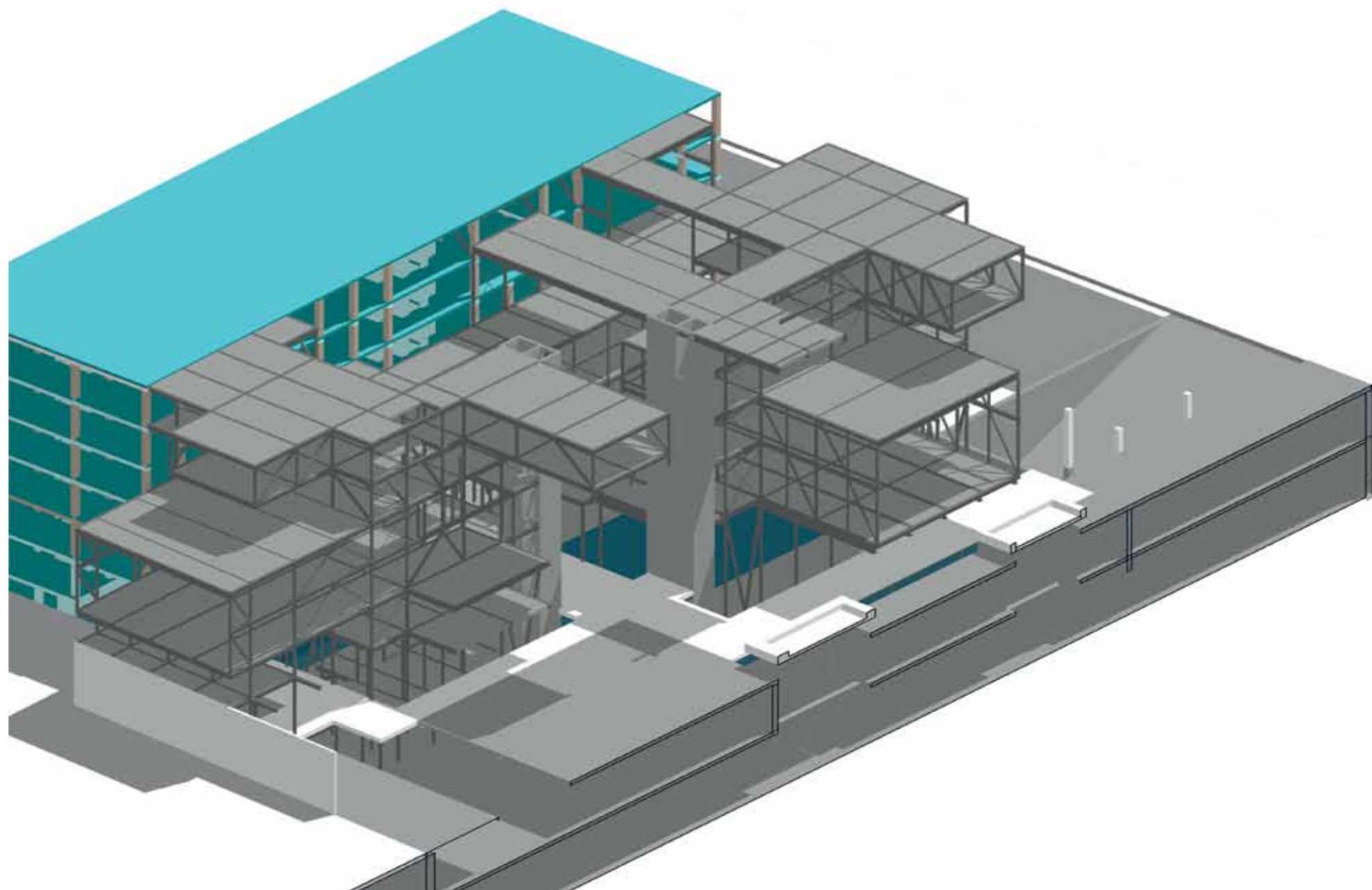
- 5 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

## 6 Concrete floor

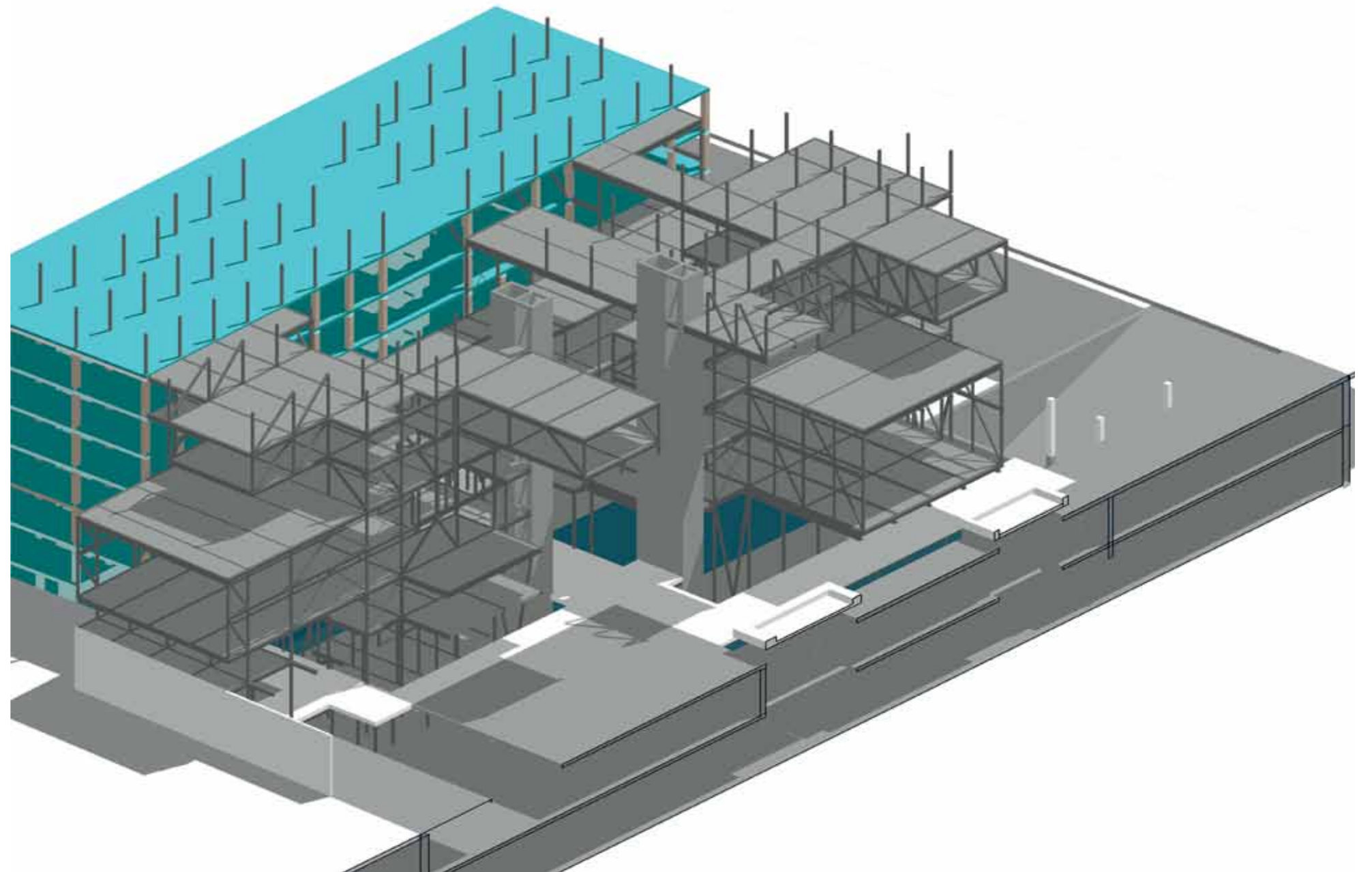




# 04 BOX-in-BOX

Construction

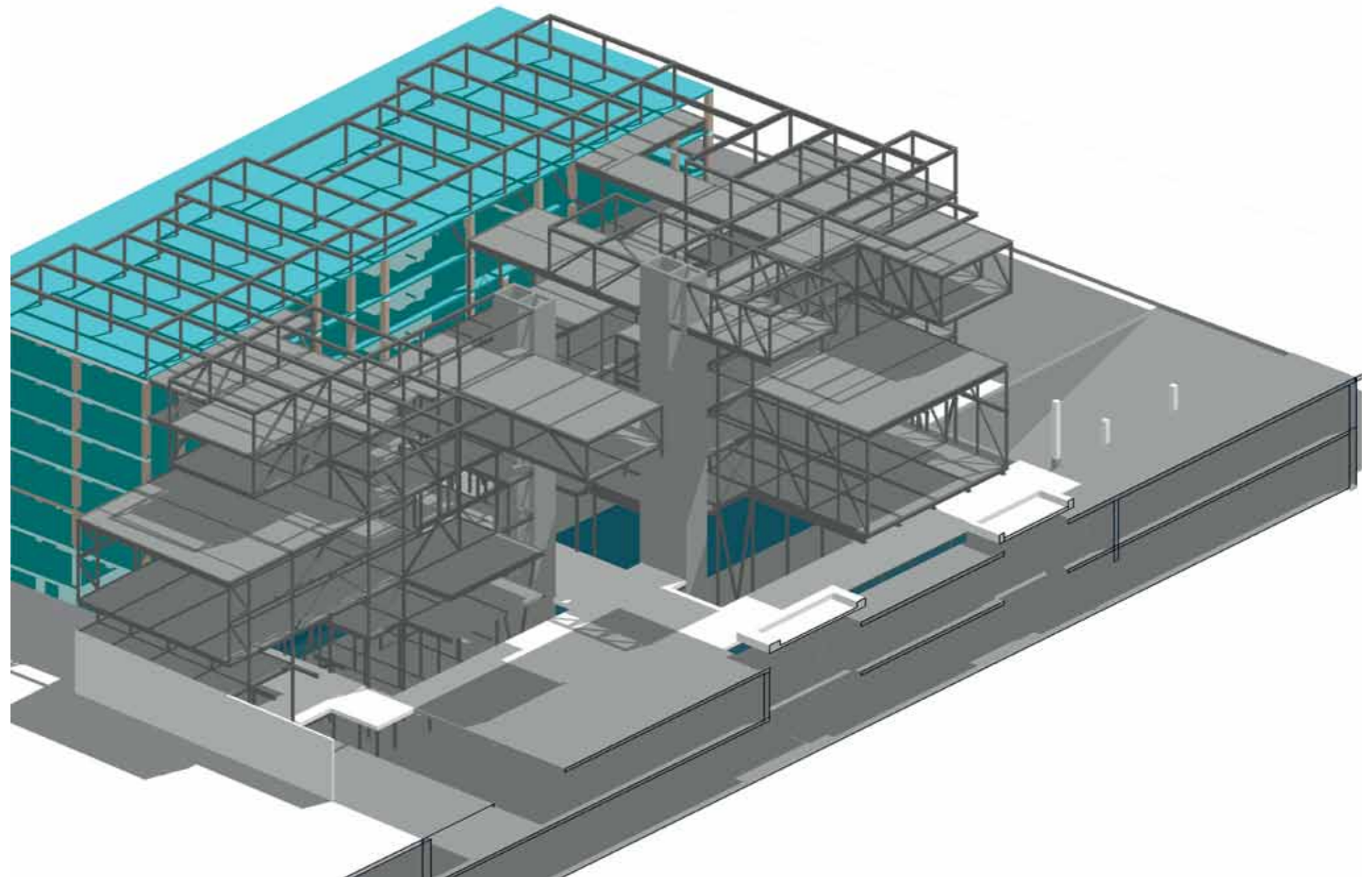
- 6 Concrete floor  
Steel columns



# 04 BOX-in-BOX

Construction

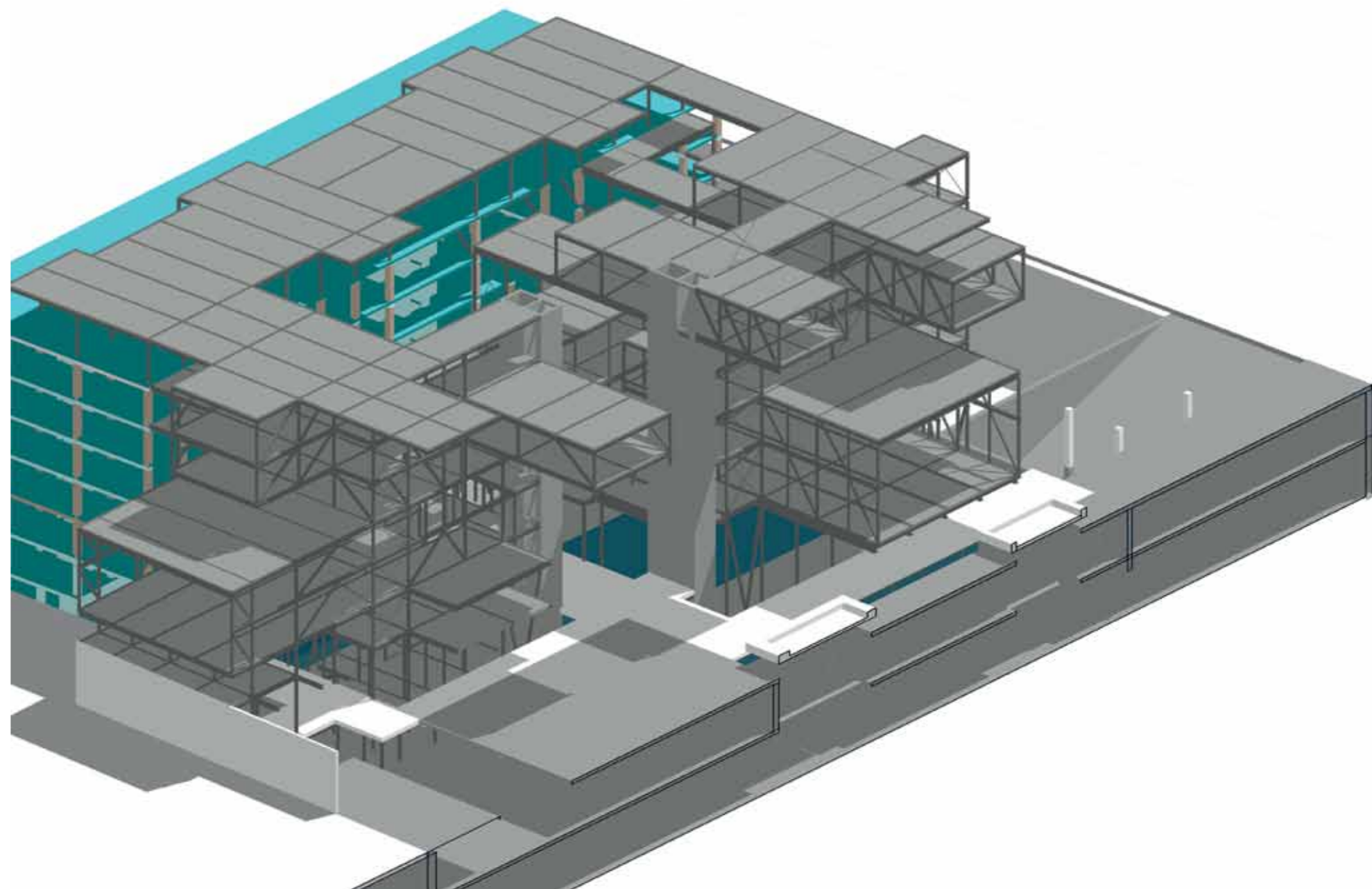
- 6 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

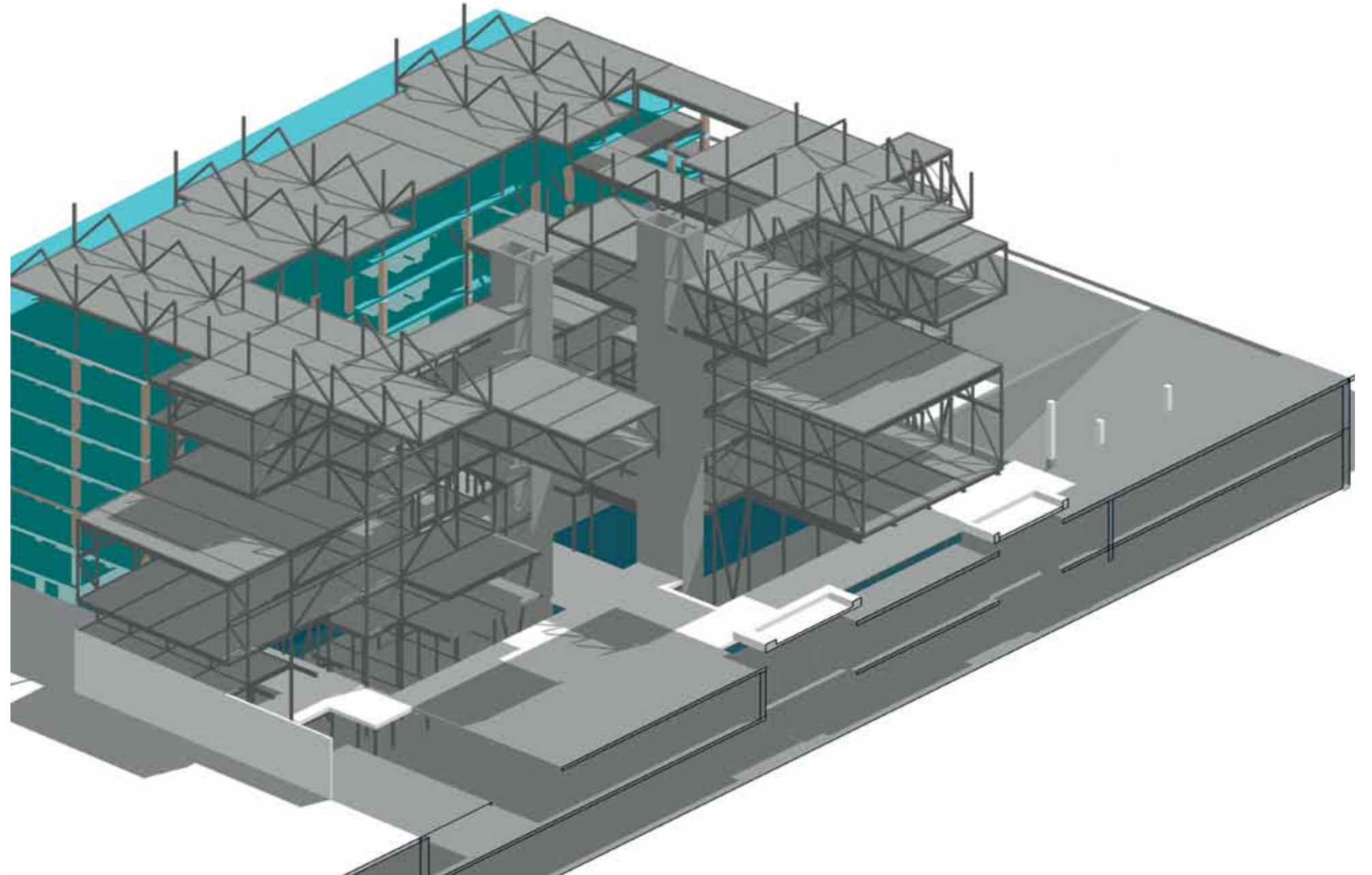
## 7 Concrete floor



# 04 BOX-in-BOX

Construction

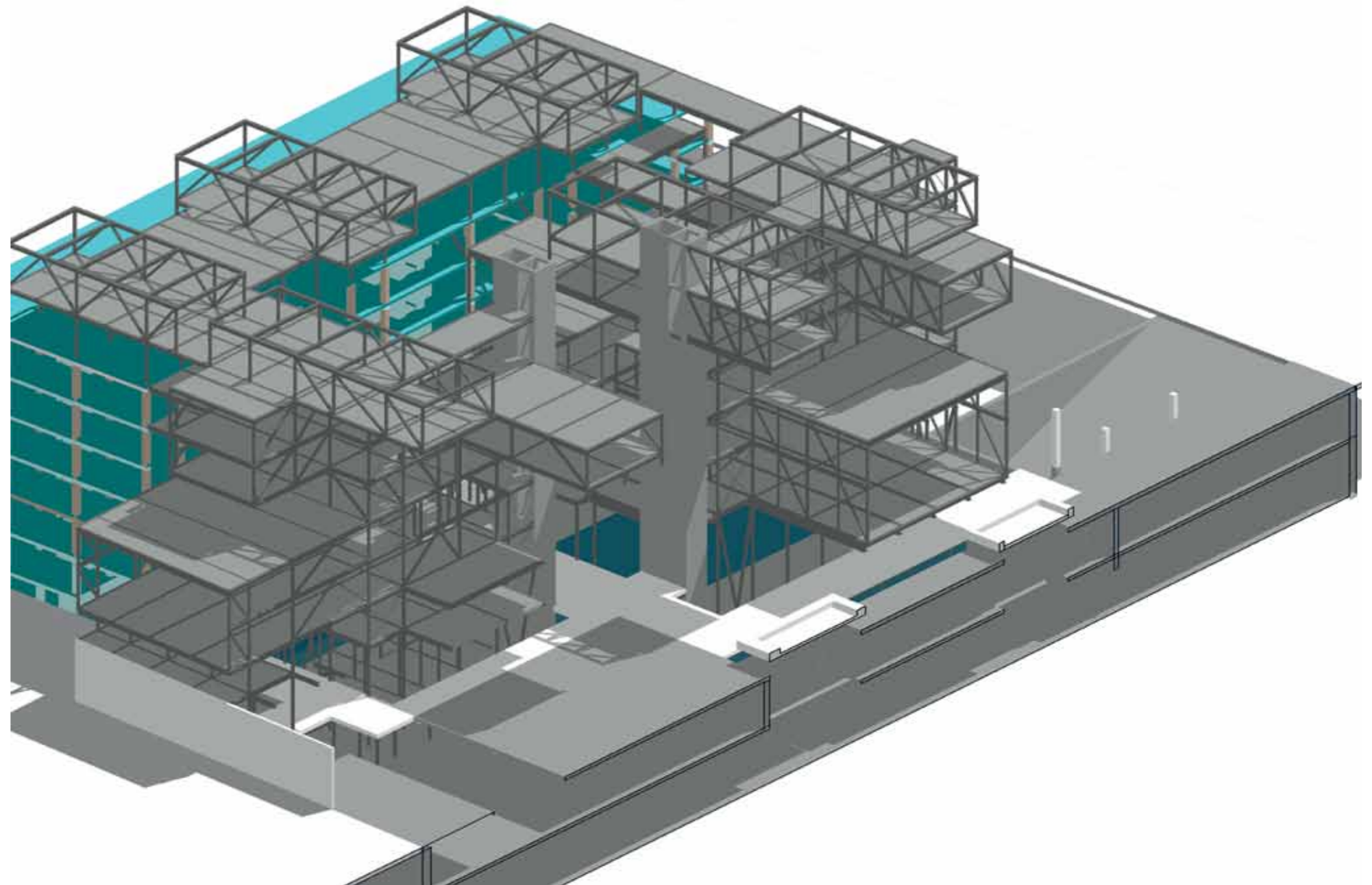
- 7 Concrete floor  
Steel columns



# 04 BOX-in-BOX

Construction

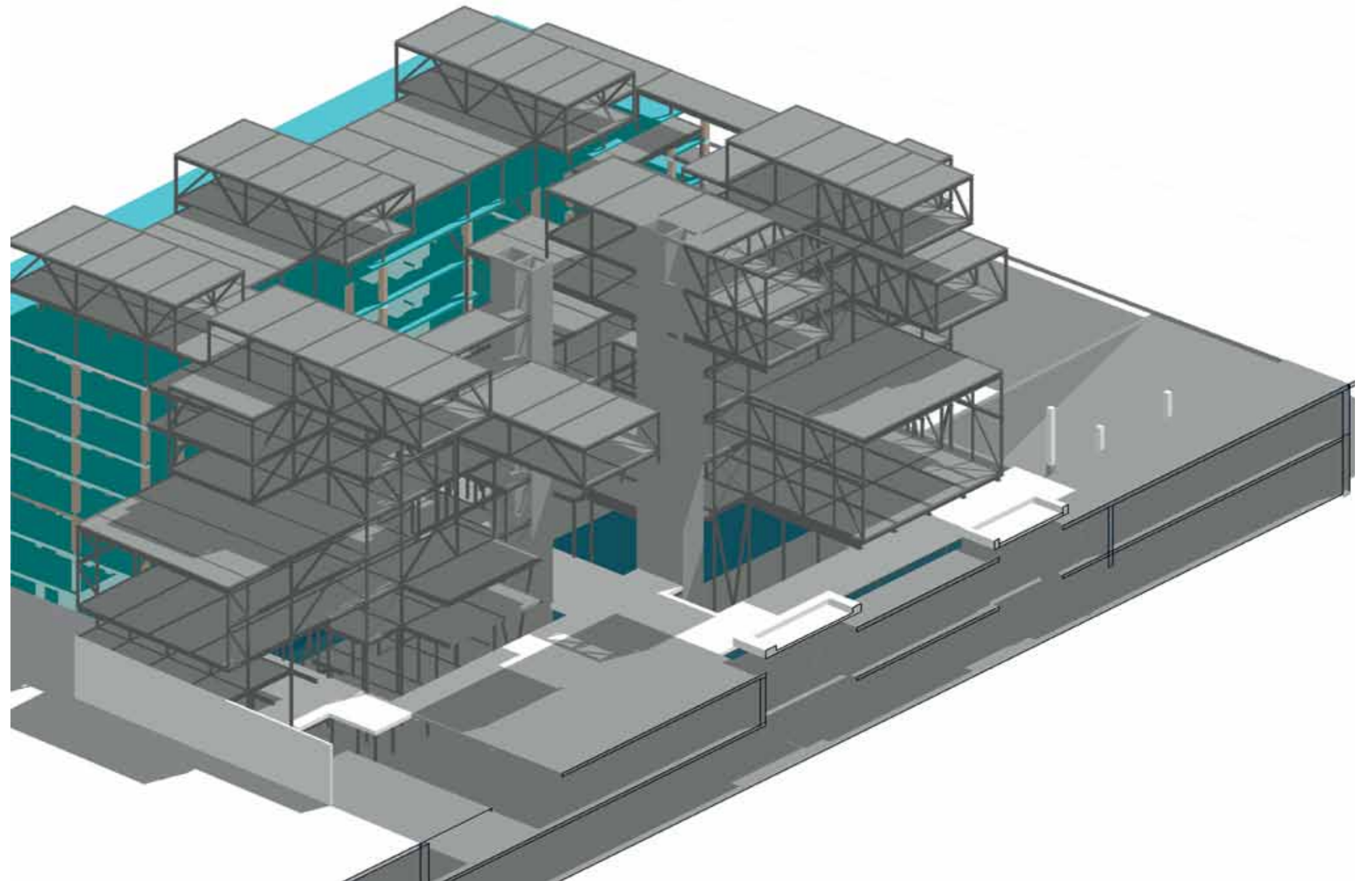
- 7 Concrete floor
- Steel columns
- Steel beams



# 04 BOX-in-BOX

Construction

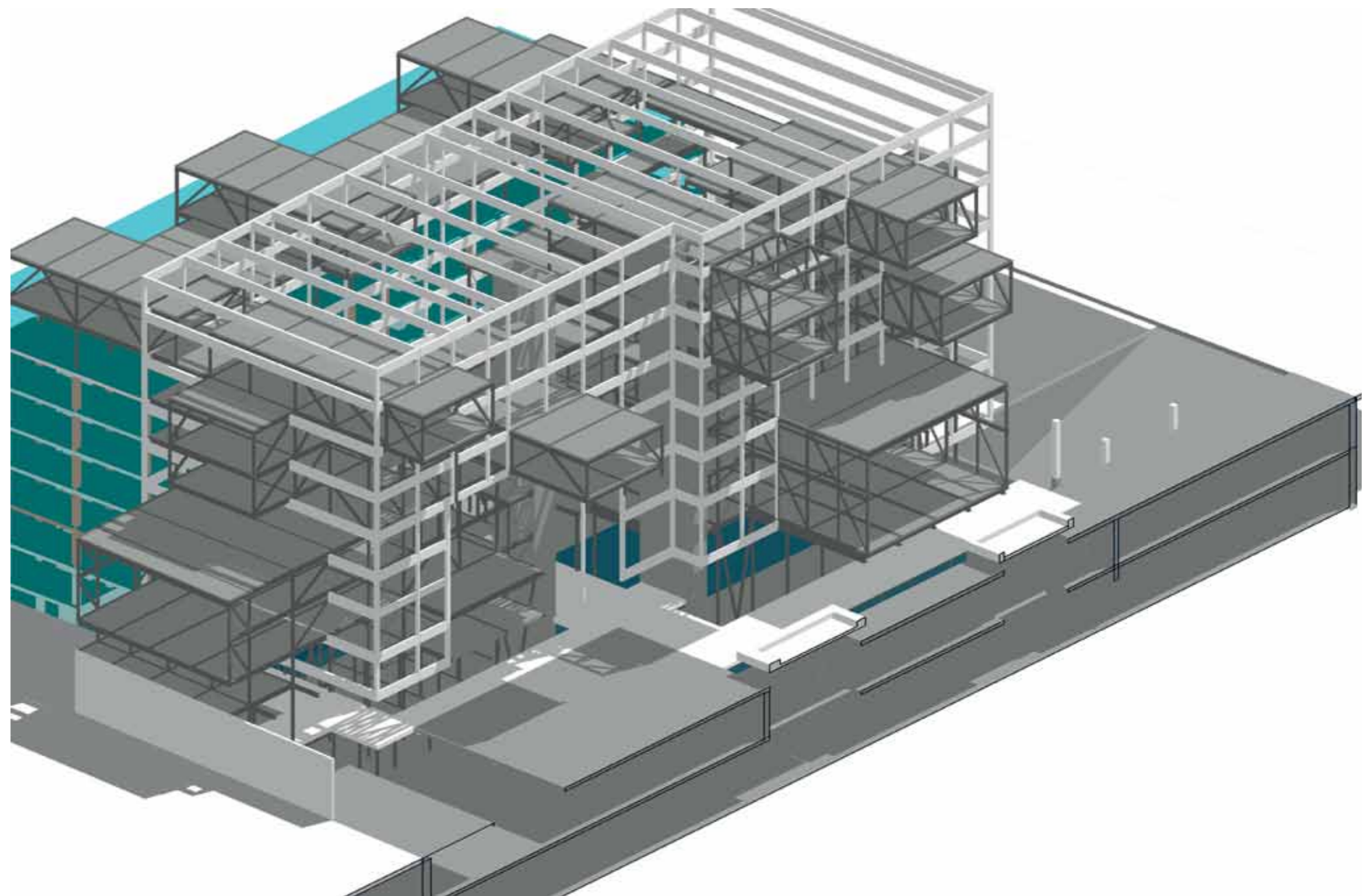
## 8 Concrete floor



# 04 BOX-in-BOX

Construction

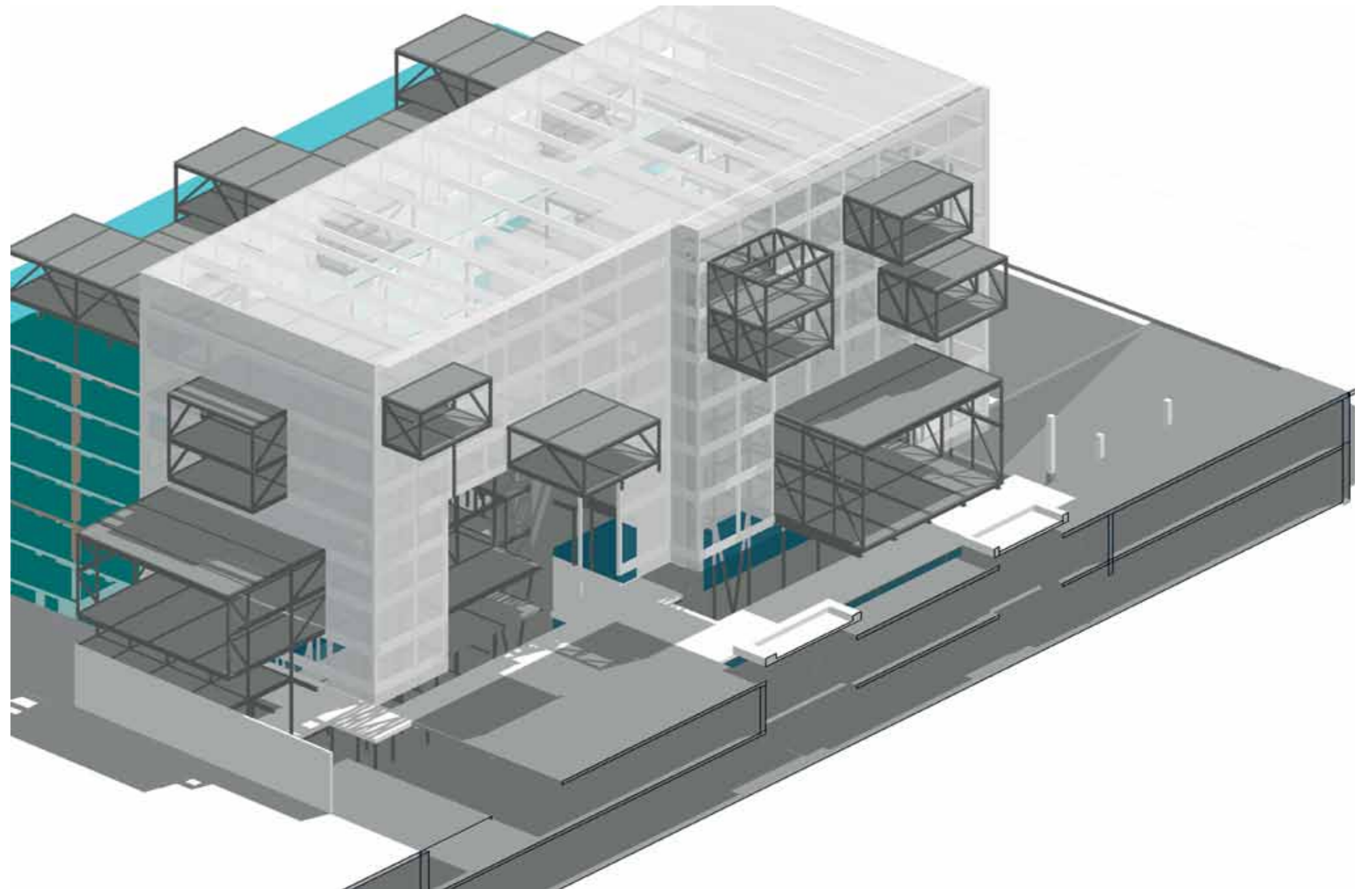
- 8 Facade  
Steel columns + beams



# 04 BOX-in-BOX

Construction

- 8 Facade
  - Steel columns + beams
  - Steel perforated plates



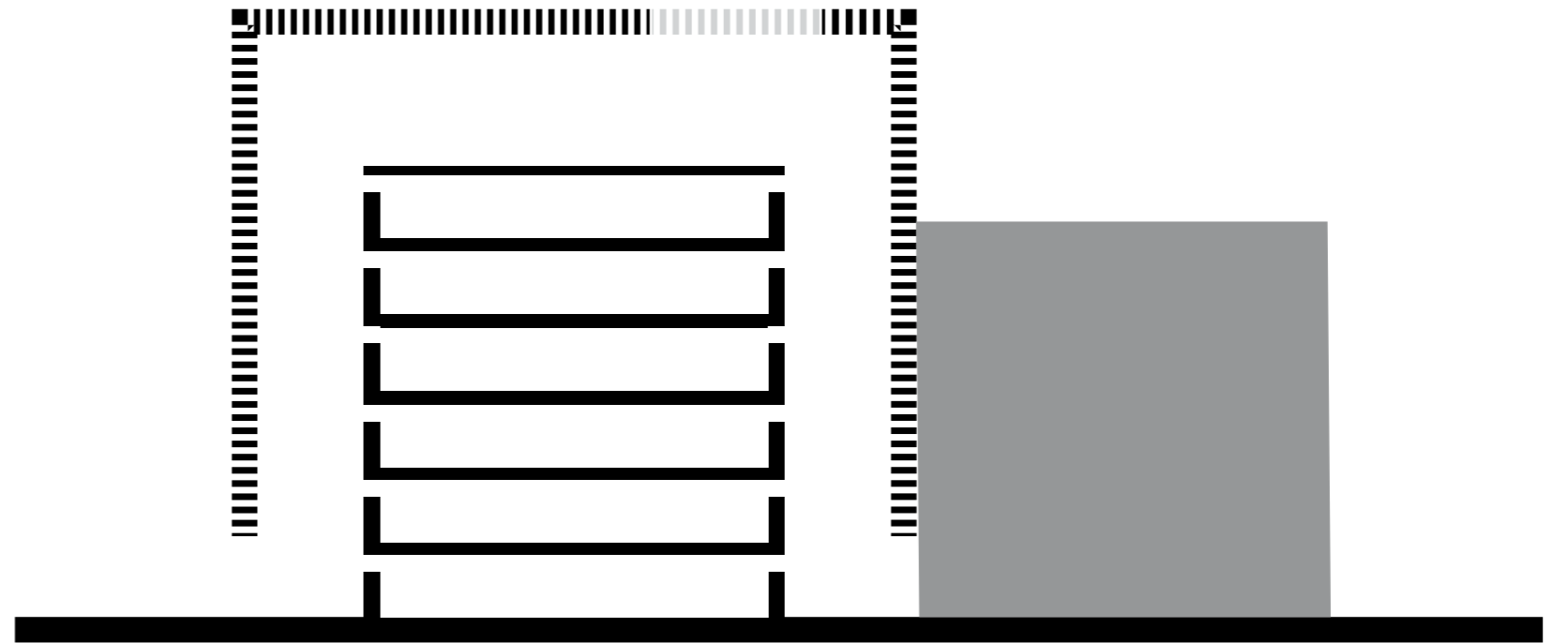




# 04 BOX-in-BOX

Climate

SUMMER

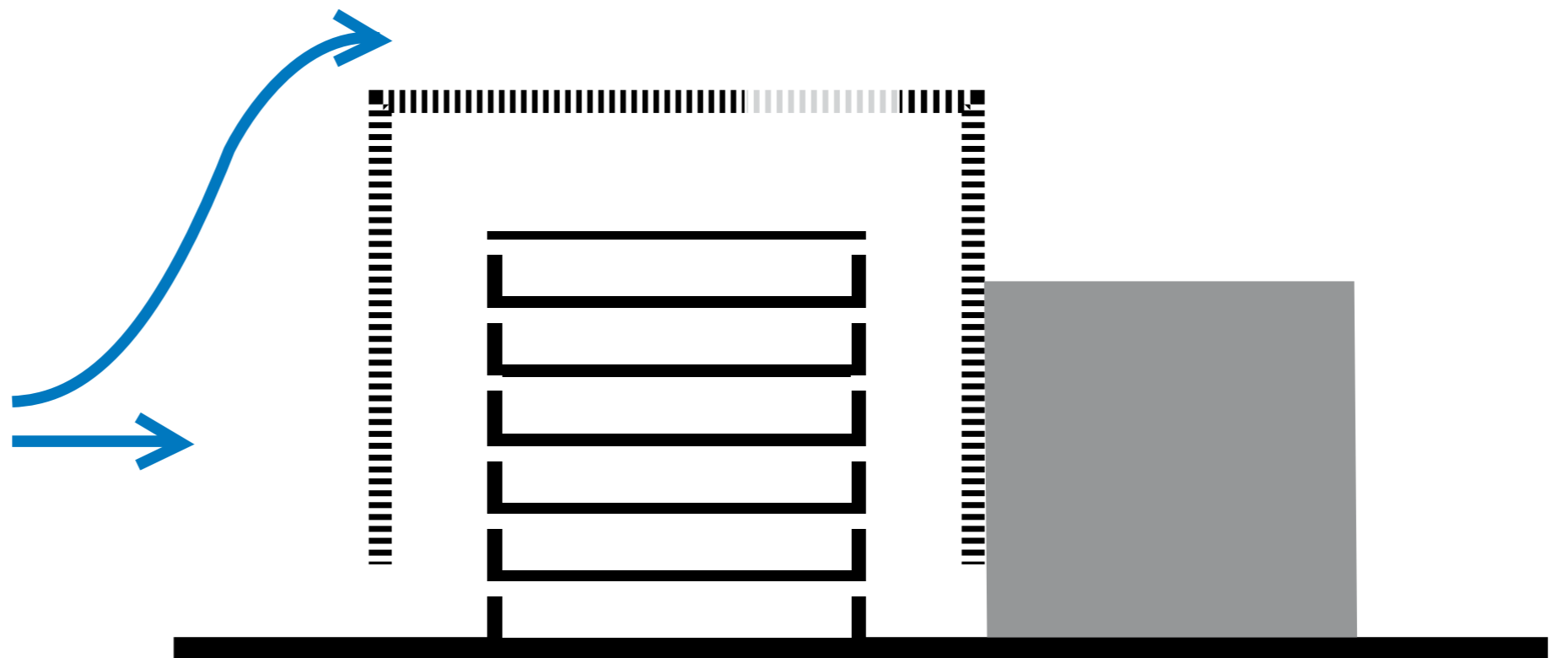


# 04 BOX-in-BOX

Climate

**SUMMER**

Winddirection

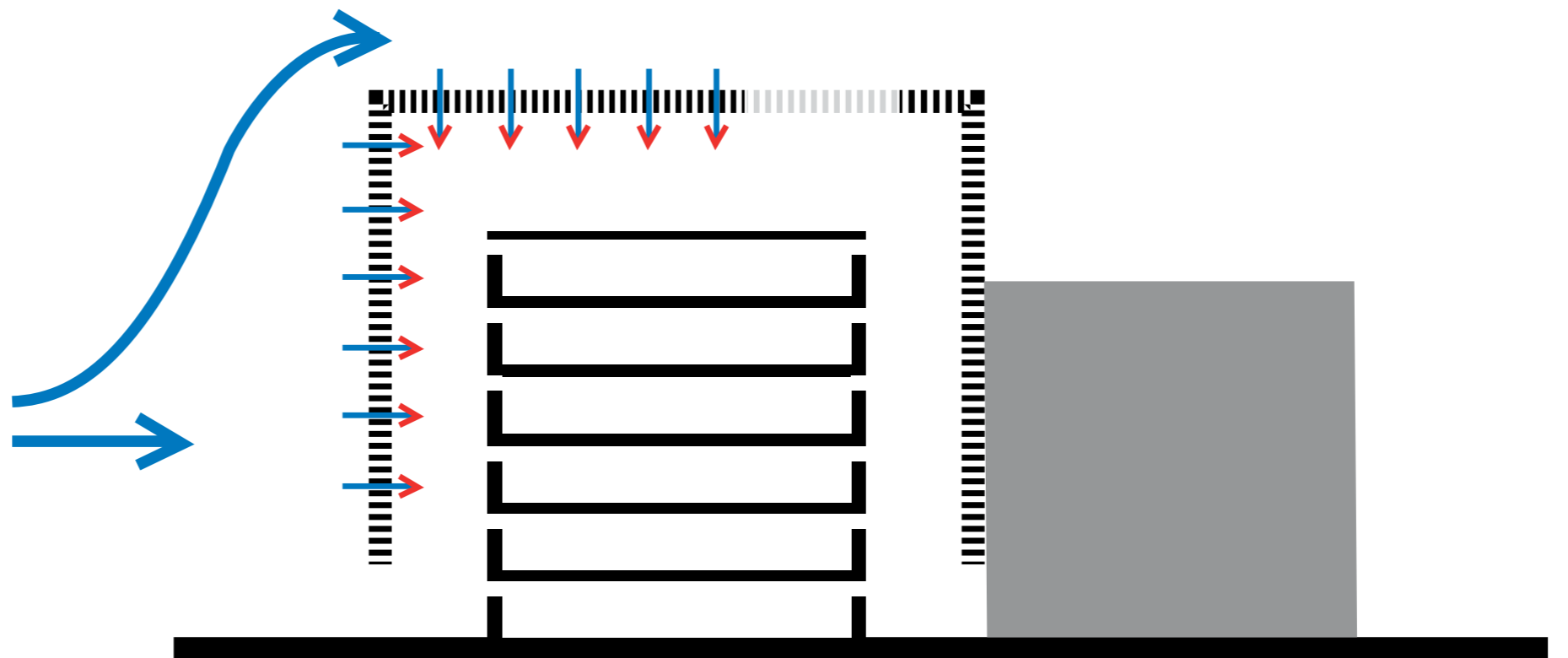


# 04 BOX-in-BOX

Climate

**SUMMER**

Winddirection



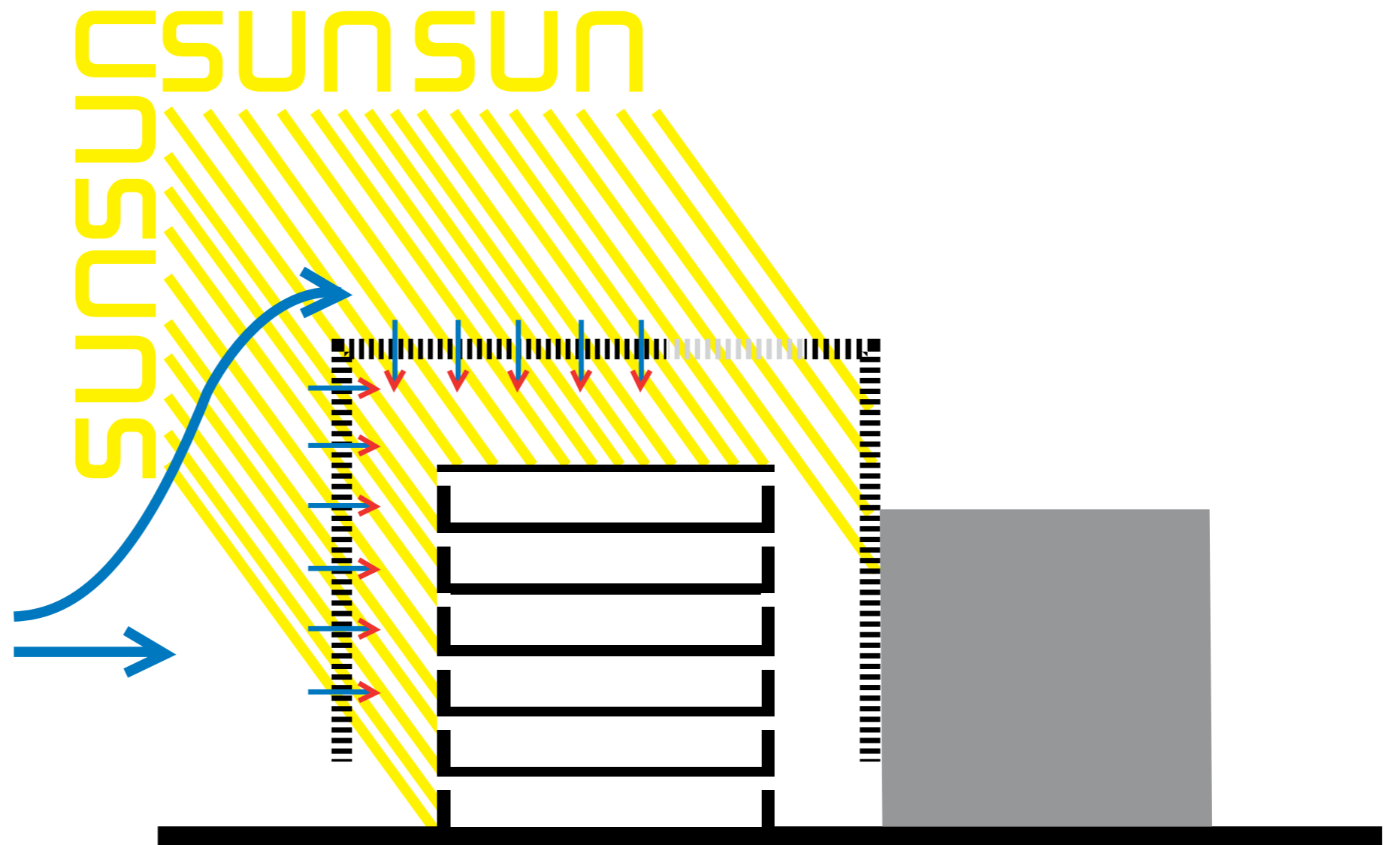
# 04 BOX-in-BOX

Climate

## SUMMER

Winddirection

Sun heats up the building



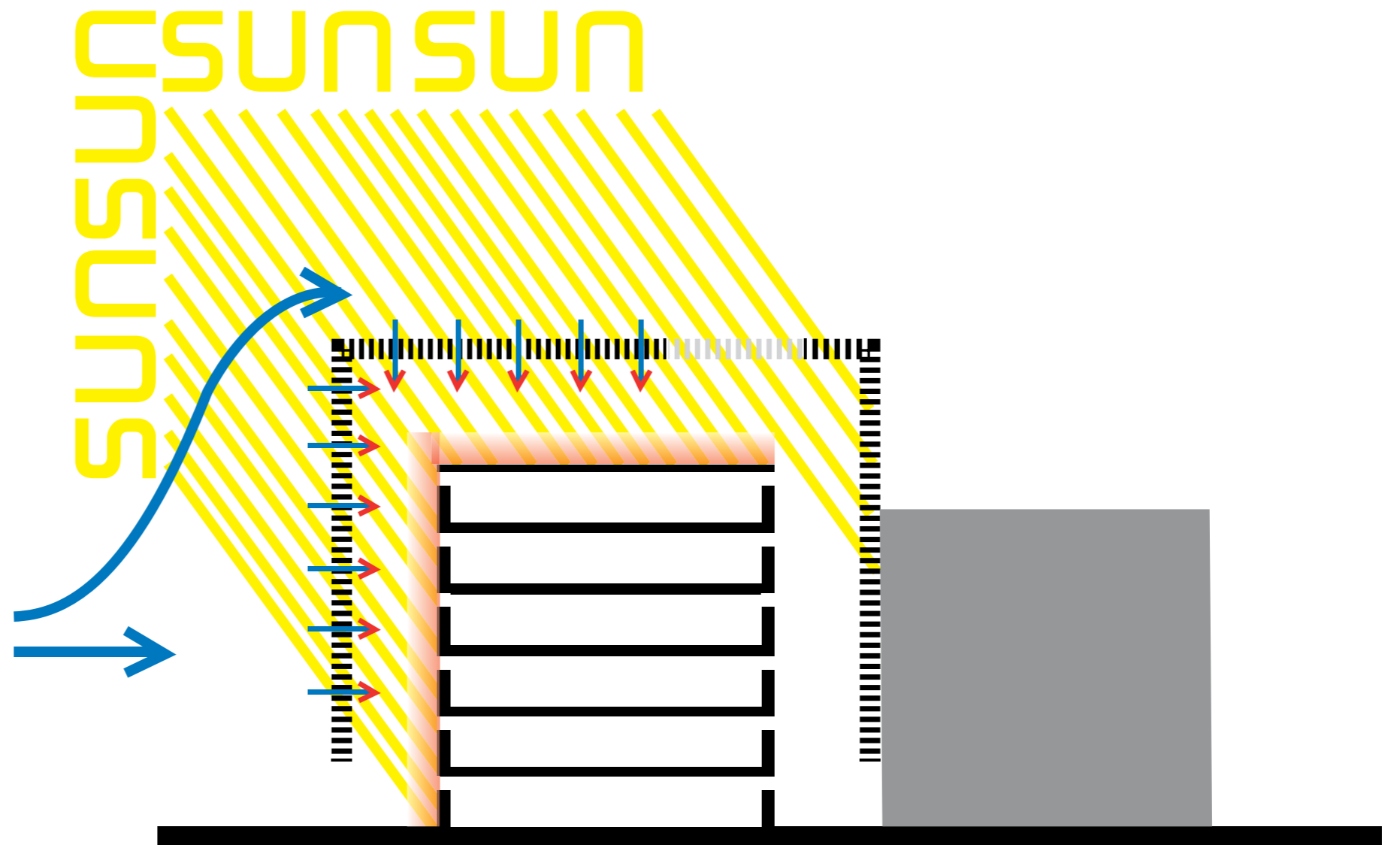
# 04 BOX-in-BOX

Climate

## SUMMER

Winddirection

Sun heats up the building



# 04 BOX-in-BOX

Climate

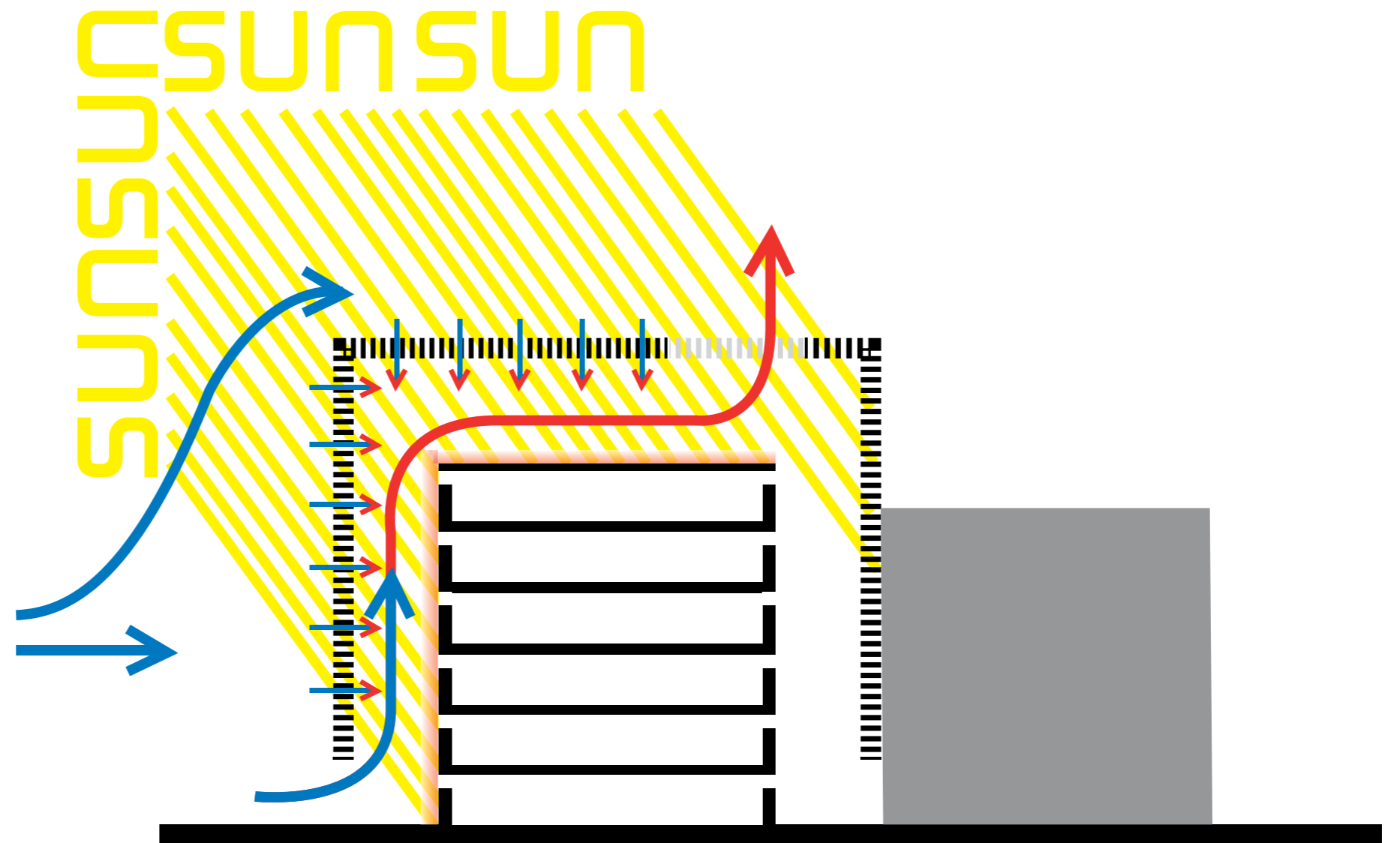
## SUMMER

Wind direction

Sun heats up the building

Chimney effect

Natural ventilation



# 04 BOX-in-BOX

Climate

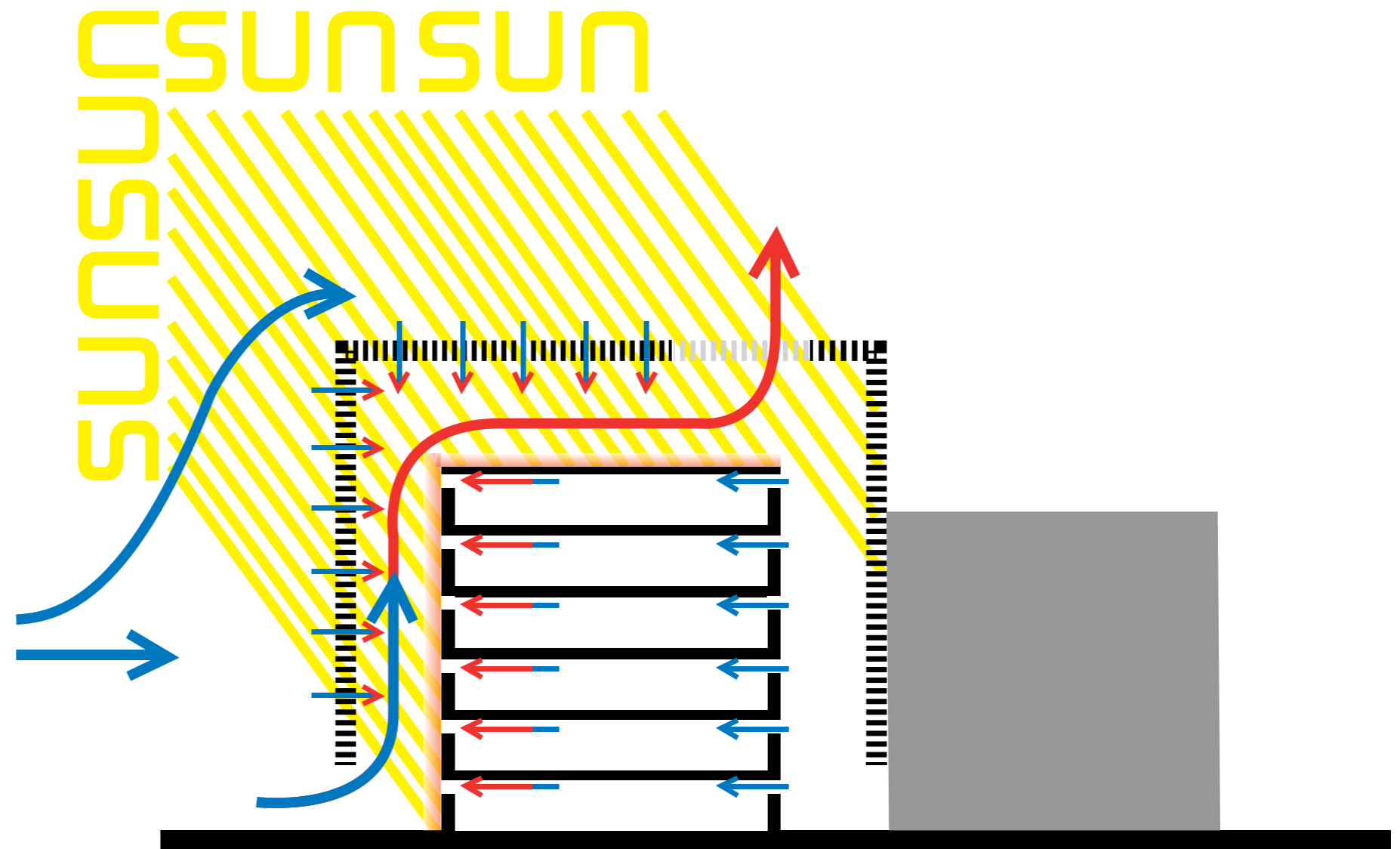
## SUMMER

Wind direction

Sun heats up the building

Chimney effect

Natural ventilation





# 04 BOX-in-BOX

Climate

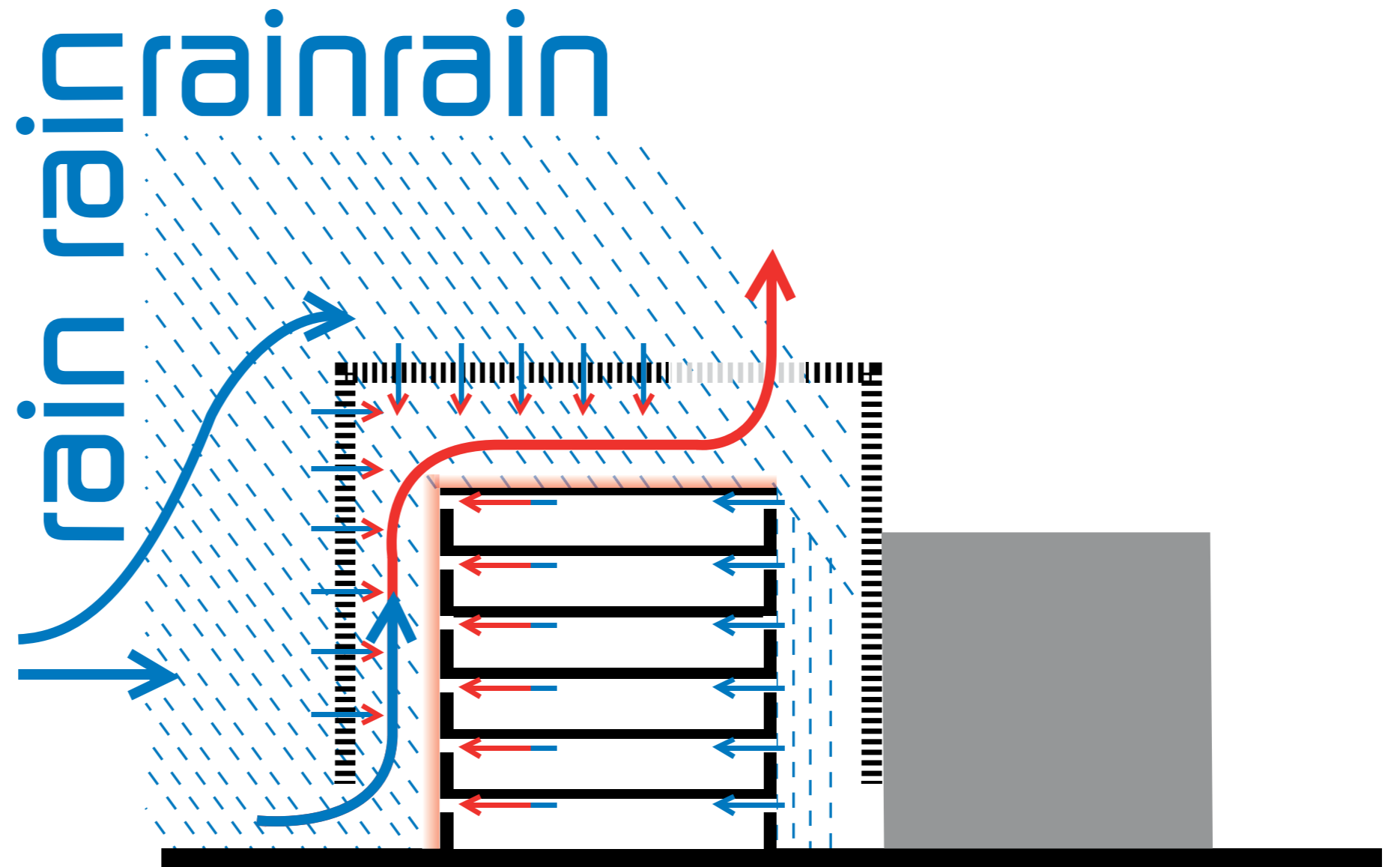
## SUMMER

Wind direction

Chimney effect

Natural ventilation

Rain



# 04 BOX-in-BOX

Climate

## SUMMER

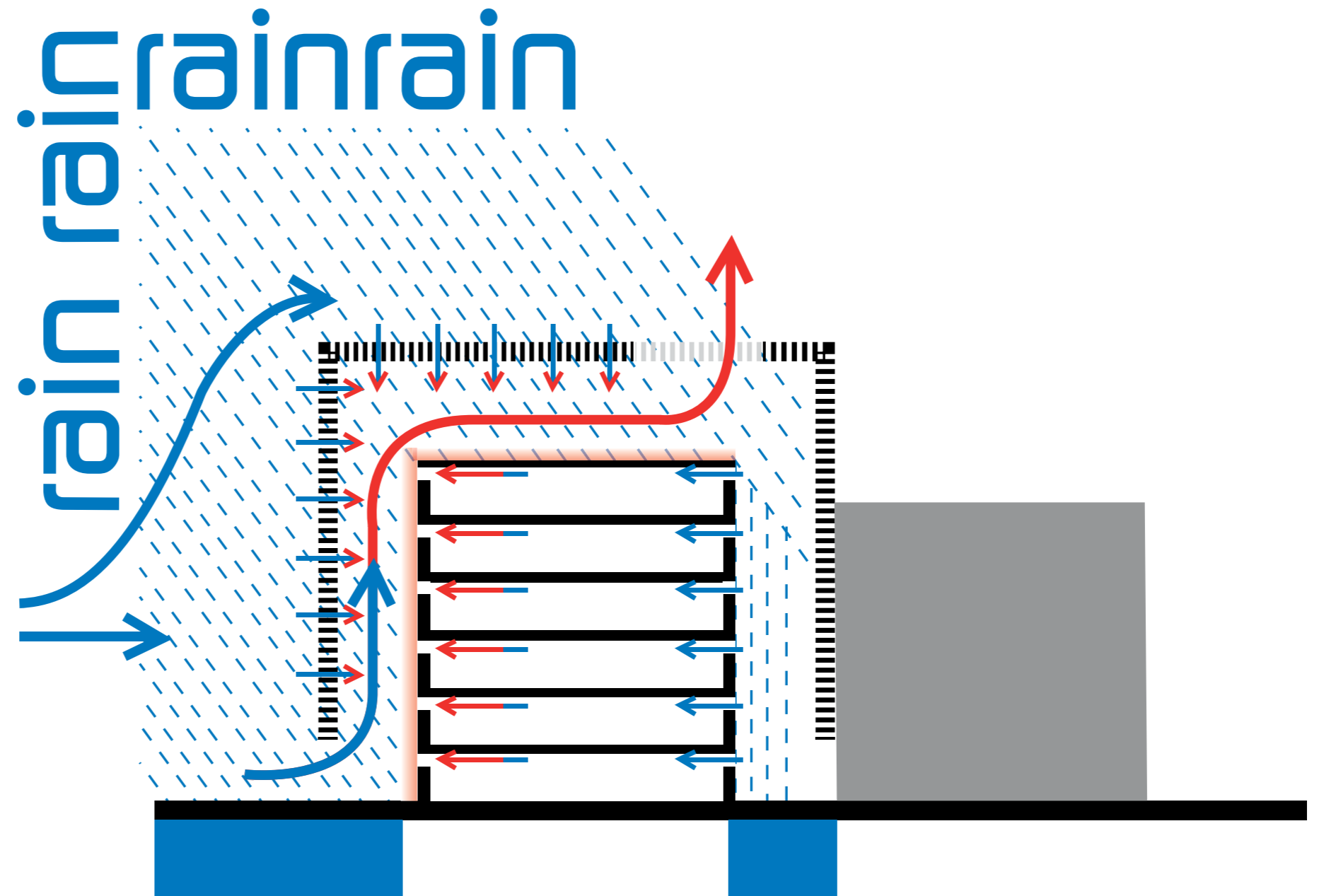
Wind direction

Chimney effect

Natural ventilation

Rain

Rainwater collected



# 04 BOX-in-BOX

Climate

## SUMMER

Wind direction

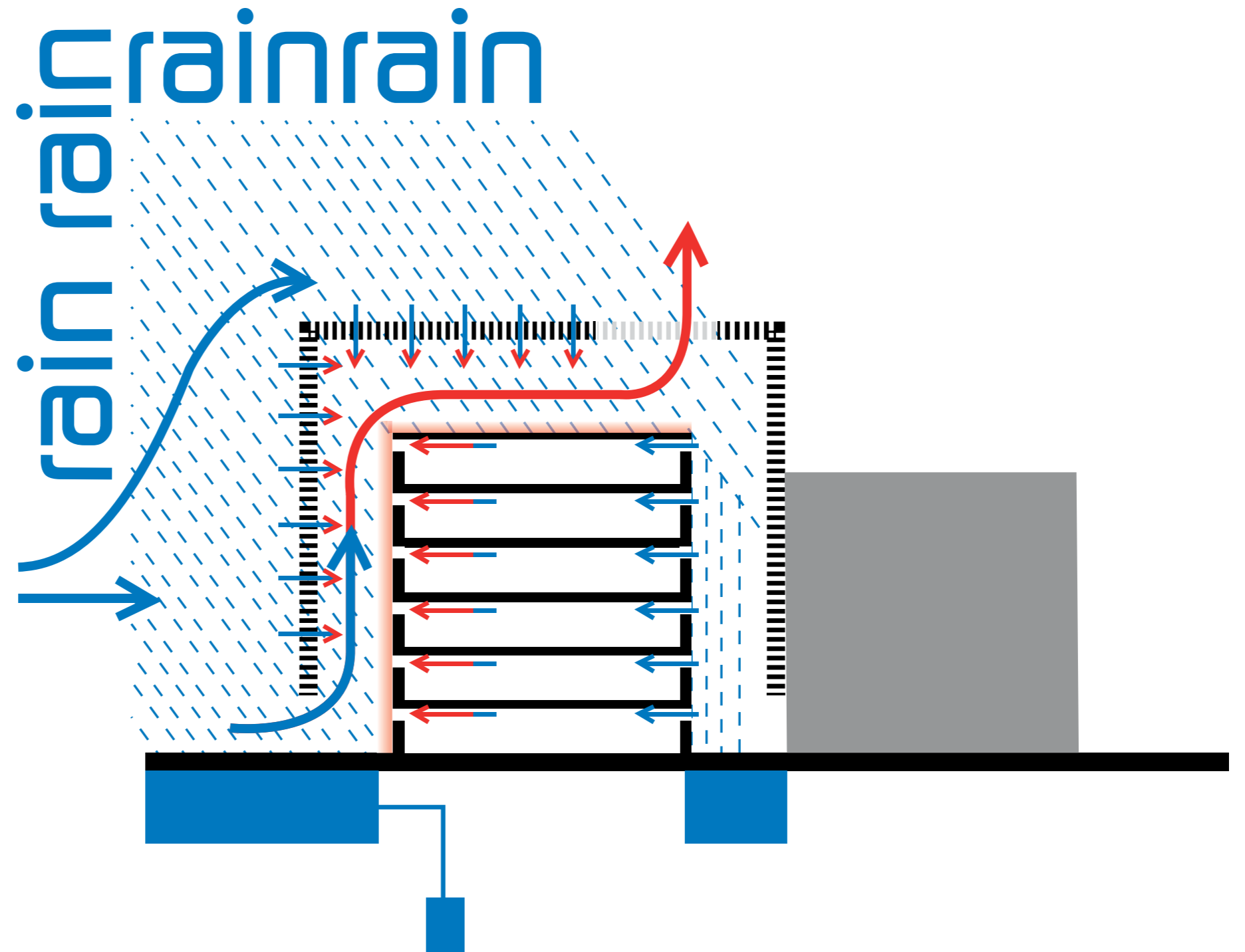
Chimney effect

Natural ventilation

Rain

Rainwater collected

Cooling storage



# 04 BOX-in-BOX

Climate

## SUMMER

Wind direction

Chimney effect

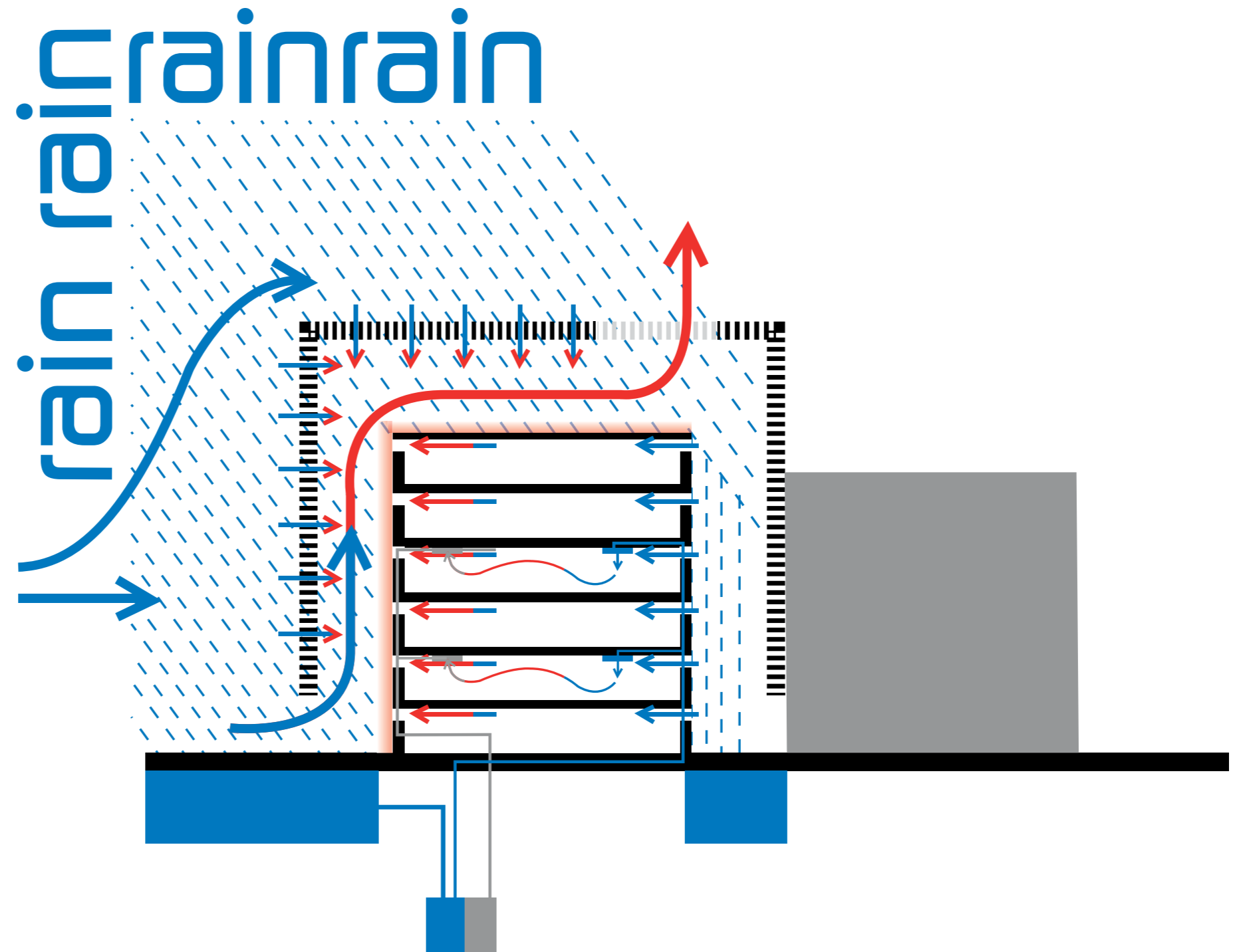
Natural ventilation

Rain

Rainwater collected

Cooling storage

Mechanical ventilation



# 04 BOX-in-BOX

Climate

## SUMMER

Wind direction

Chimney effect

Natural ventilation

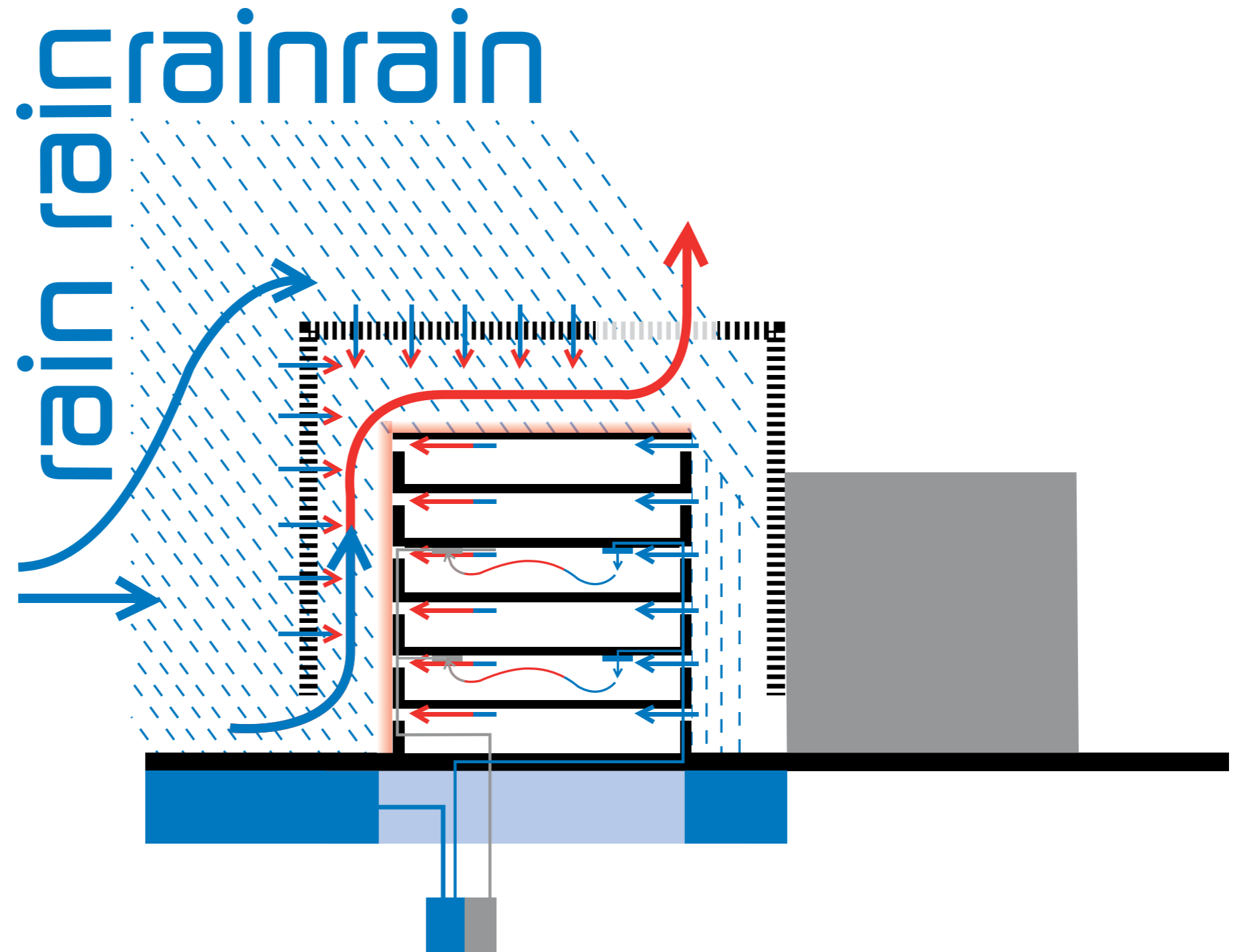
Rain

Rainwater collected

Cooling storage

Mechanical ventilation

Swimmingpool



# 04 BOX-in-BOX

Climate

## SUMMER

Wind direction

Chimney effect

Natural ventilation

Rain

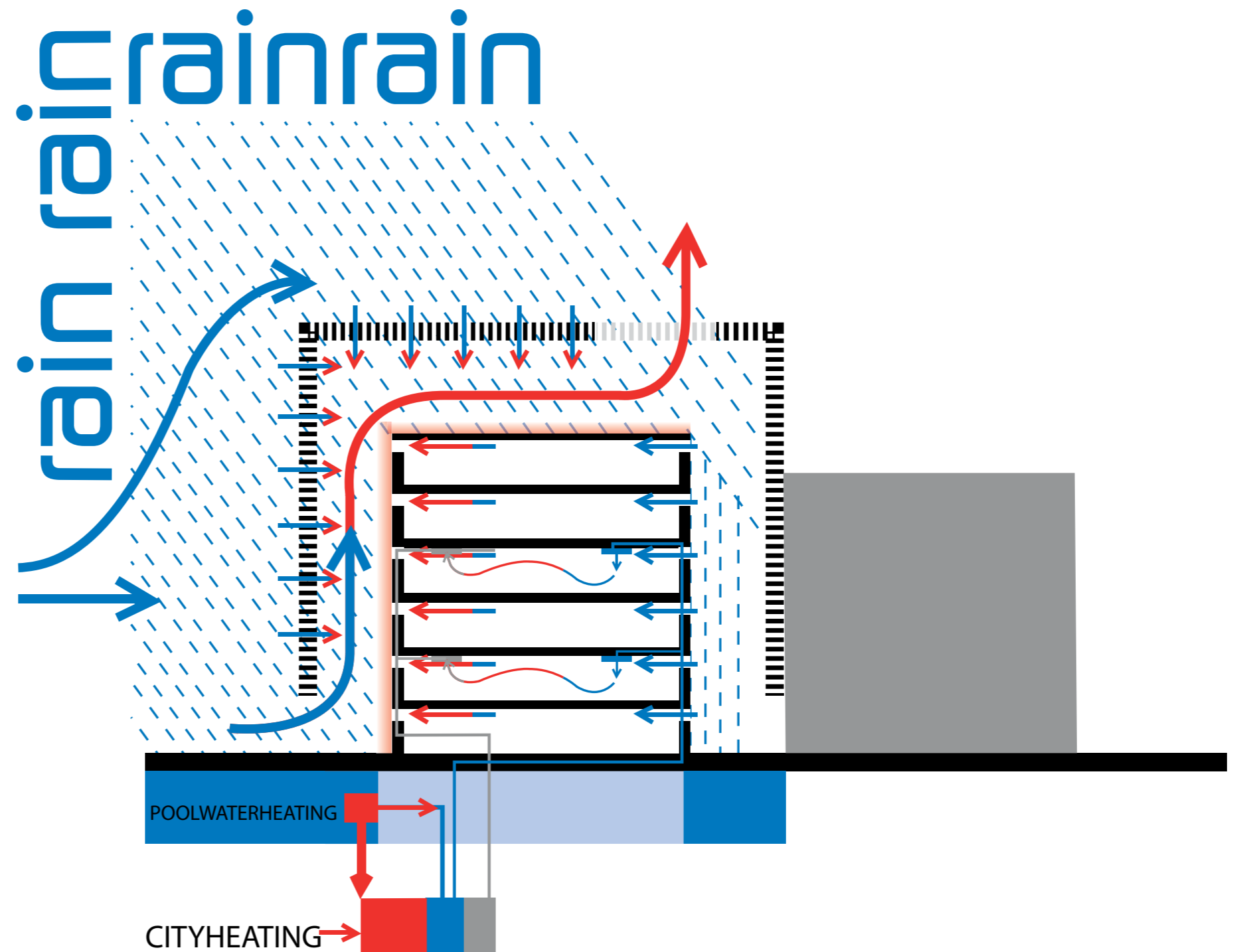
Rainwater collected

Cooling storage

Mechanical ventilation

Swimming pool

Heat storage



# 04 BOX-in-BOX

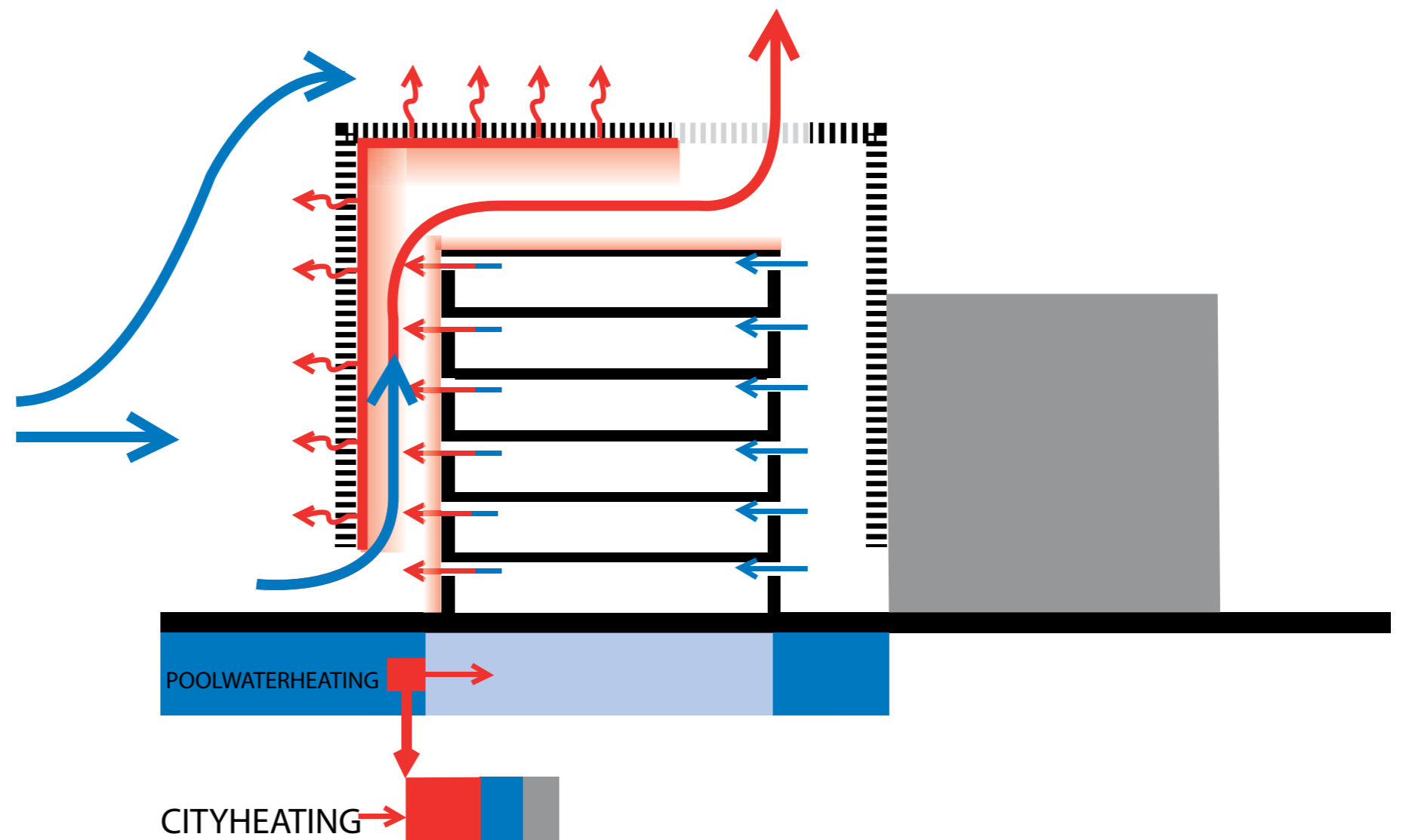
Climate

## SUMMER NIGHT

Wind direction

Chimney effect

Natural ventilation

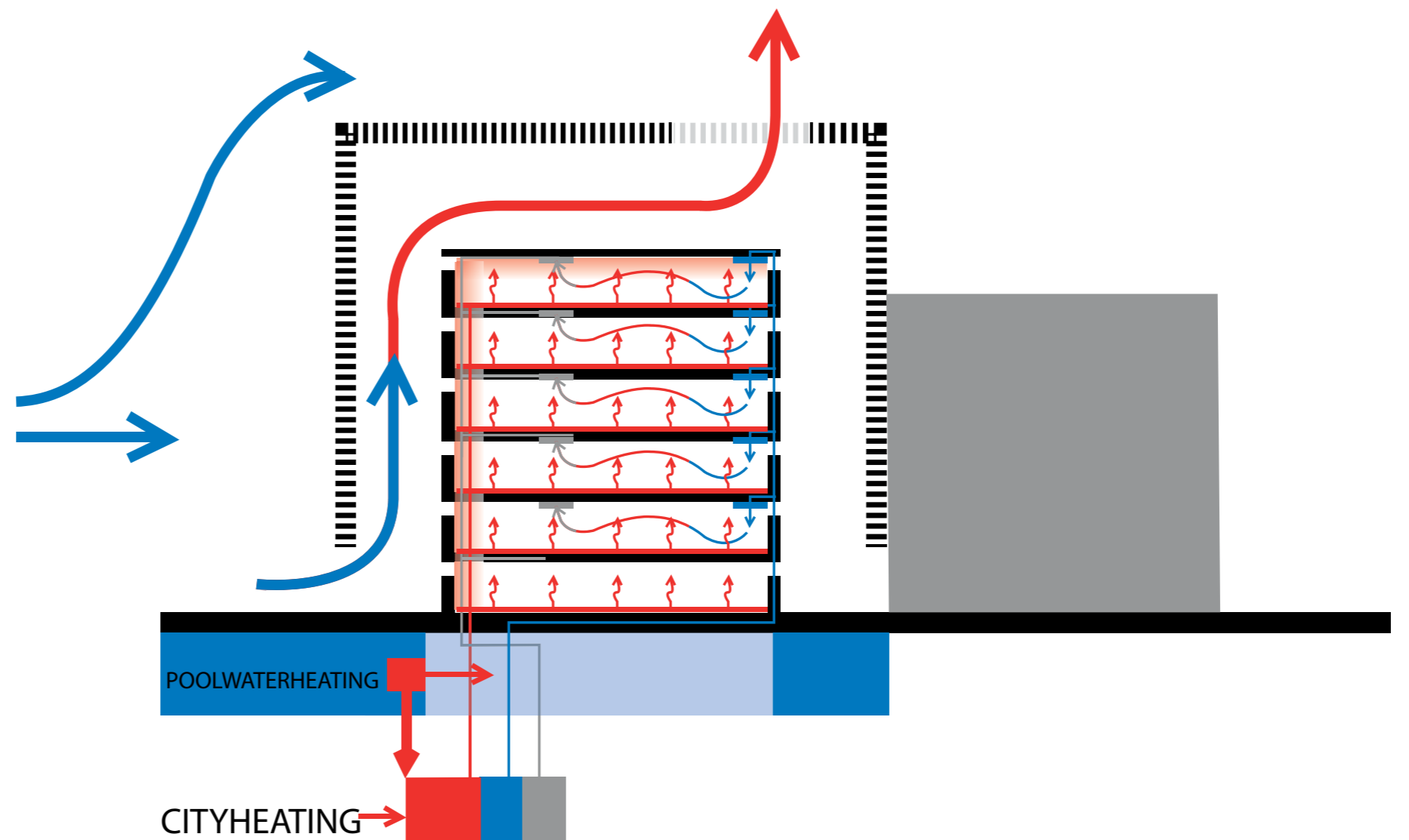


# 04 BOX-in-BOX

Climate

**WINTER**

Mechanical ventilation

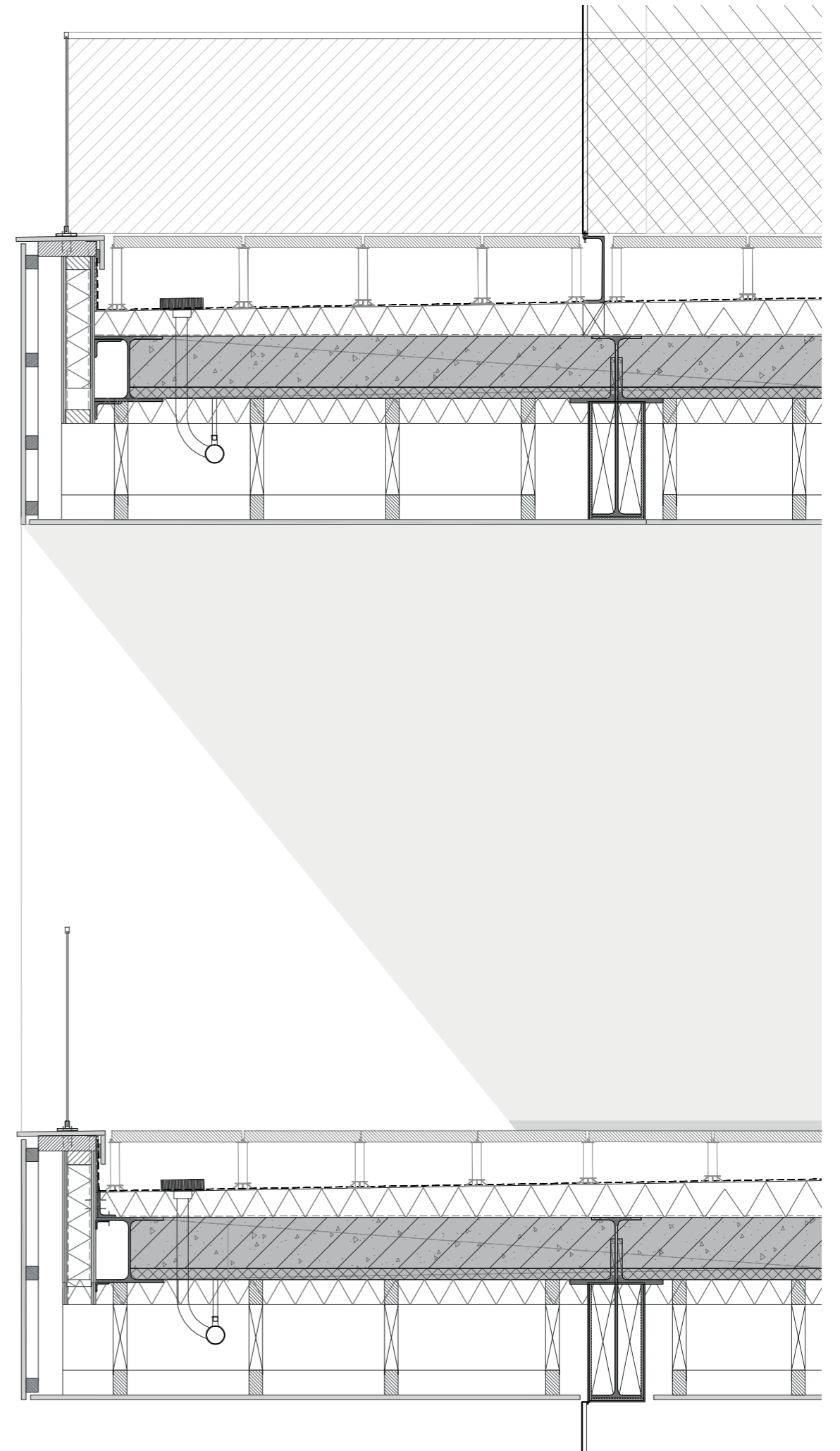
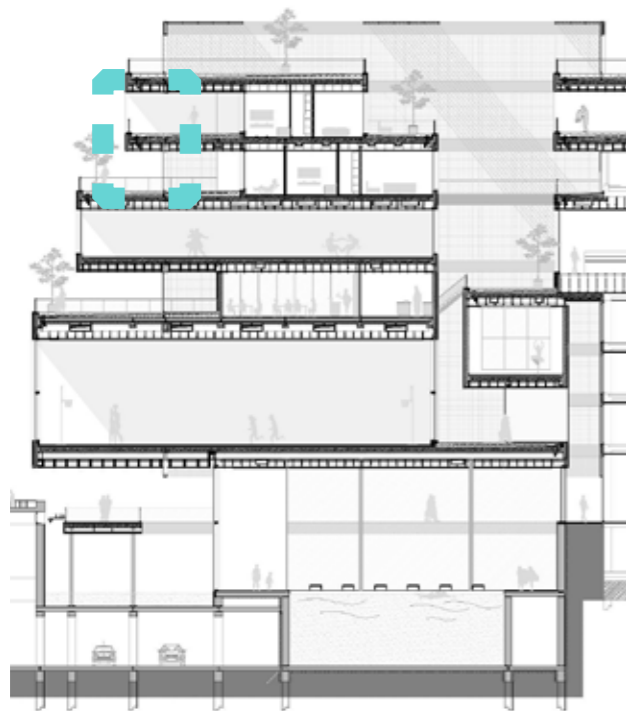




# 04 BOX-in-BOX

Climate

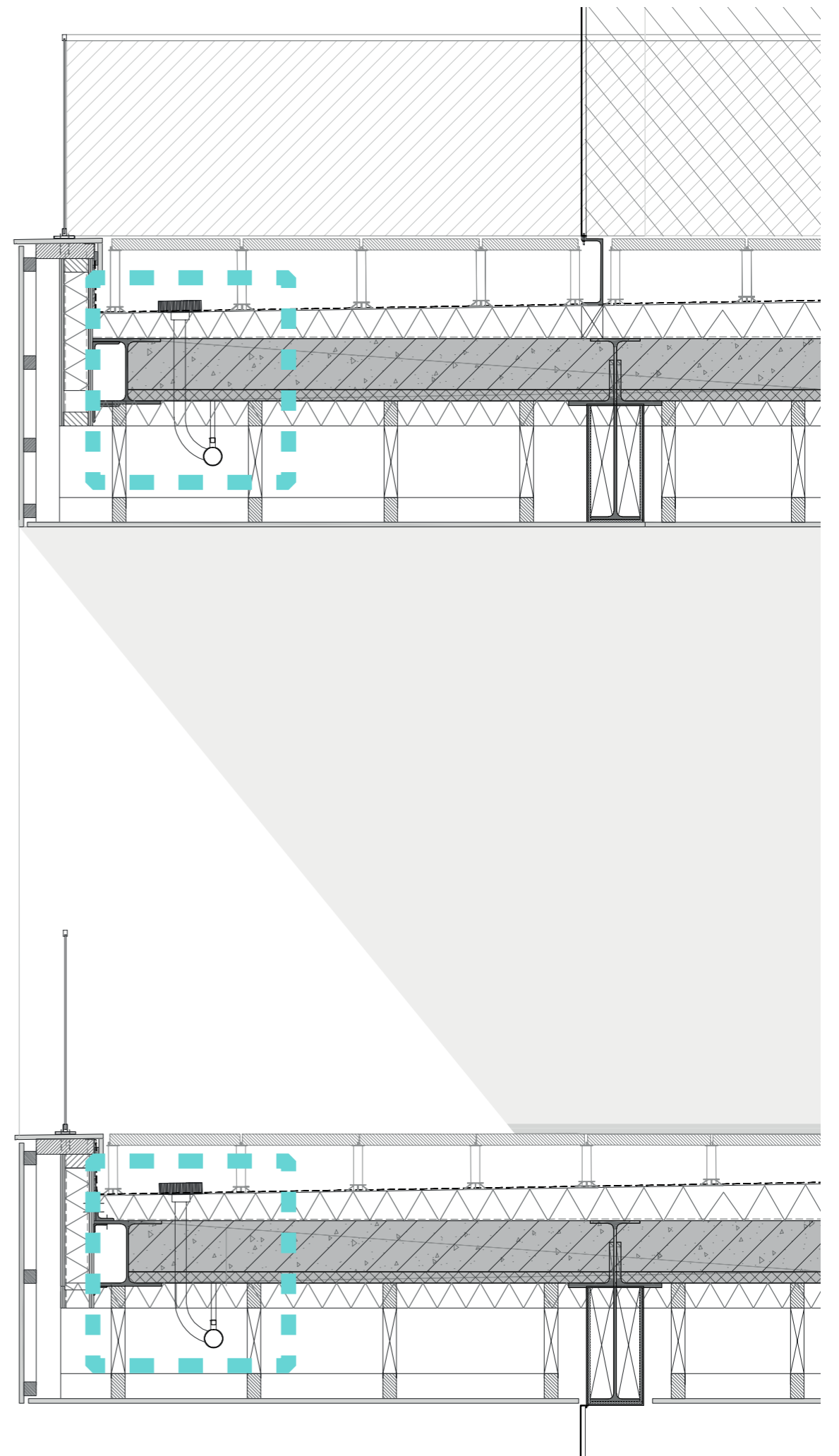
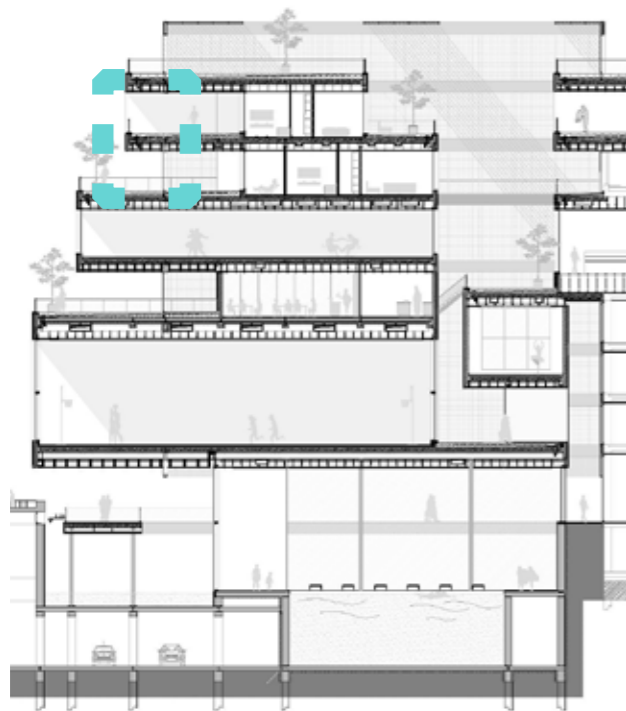
Rainwater storage



# 04 BOX-in-BOX

Climate

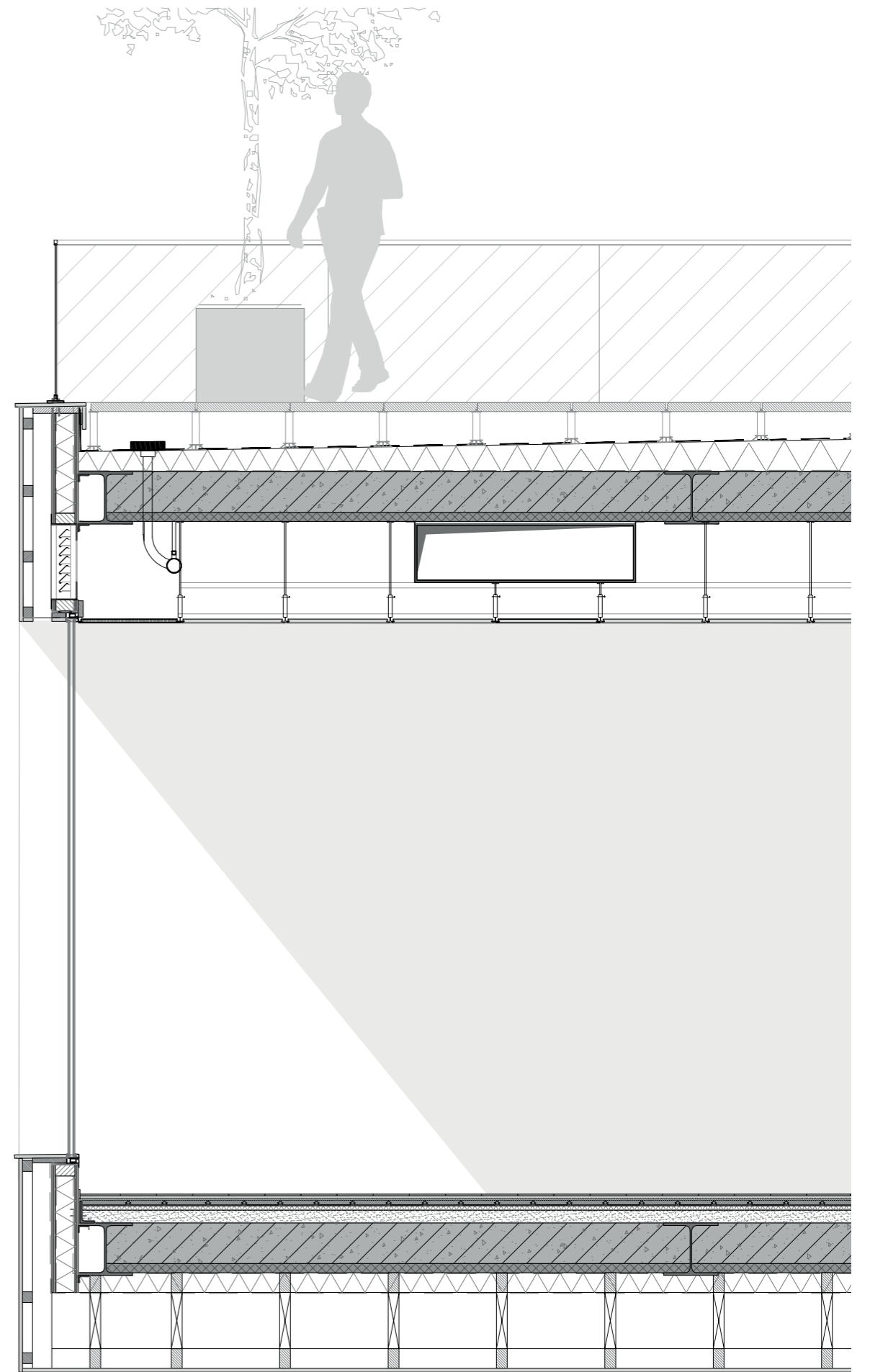
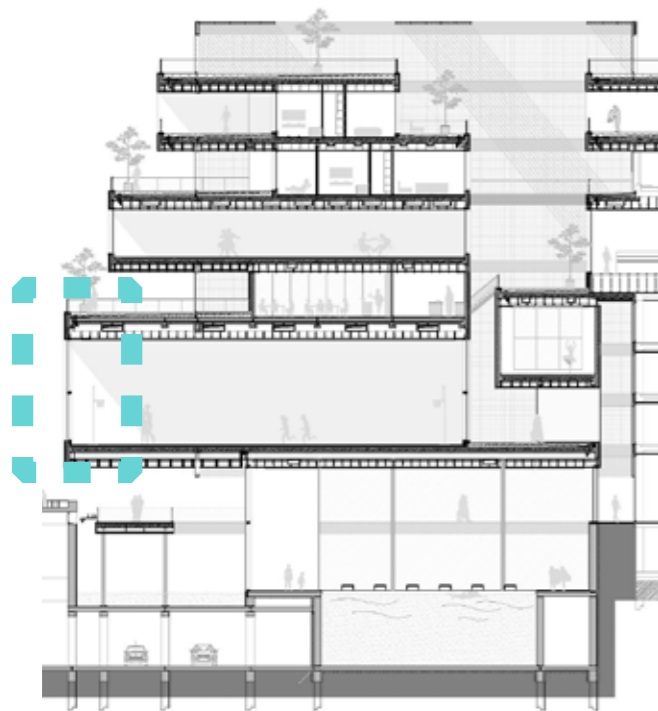
Rainwater storage



# 04 BOX-in-BOX

Climate

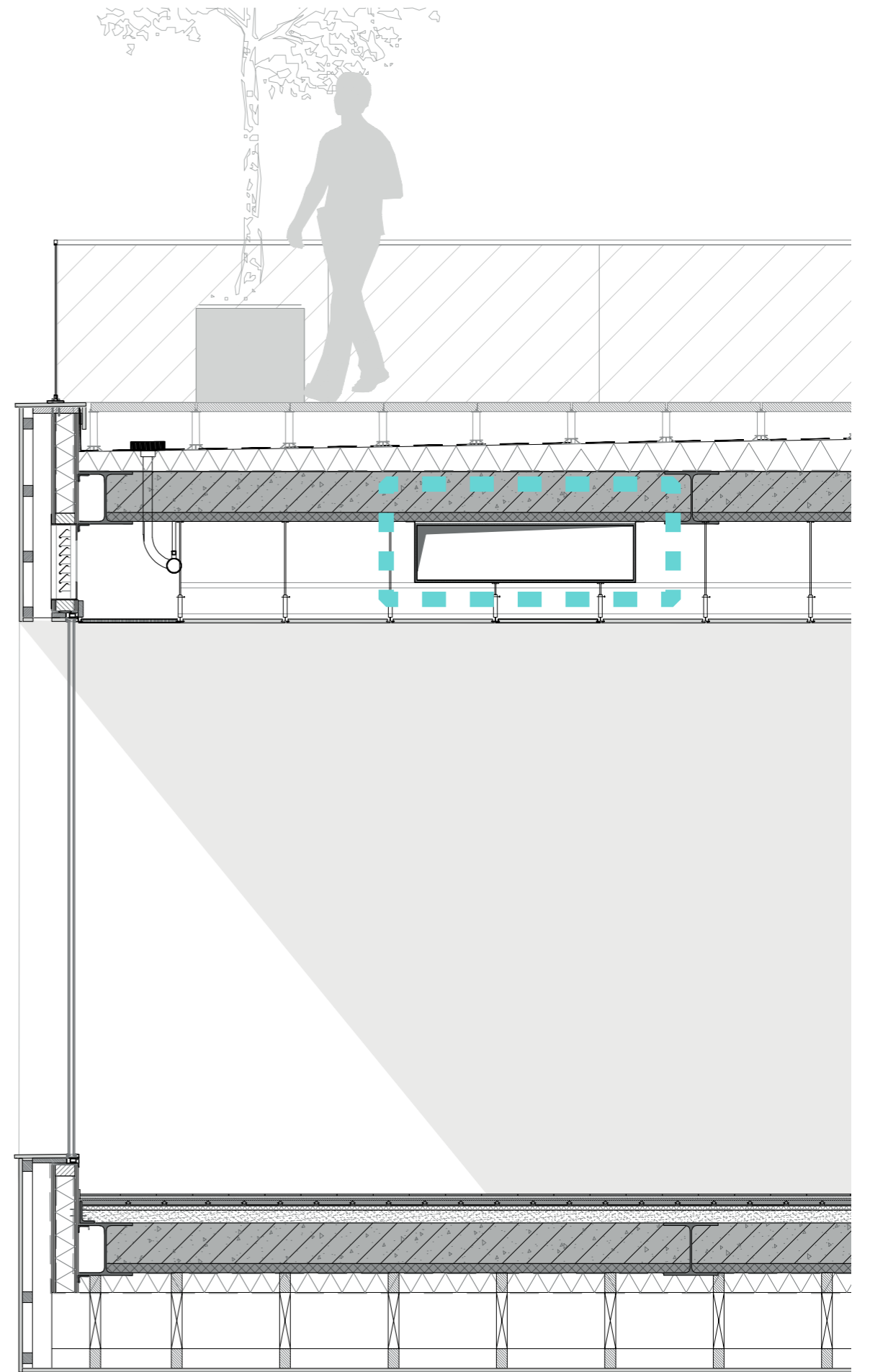
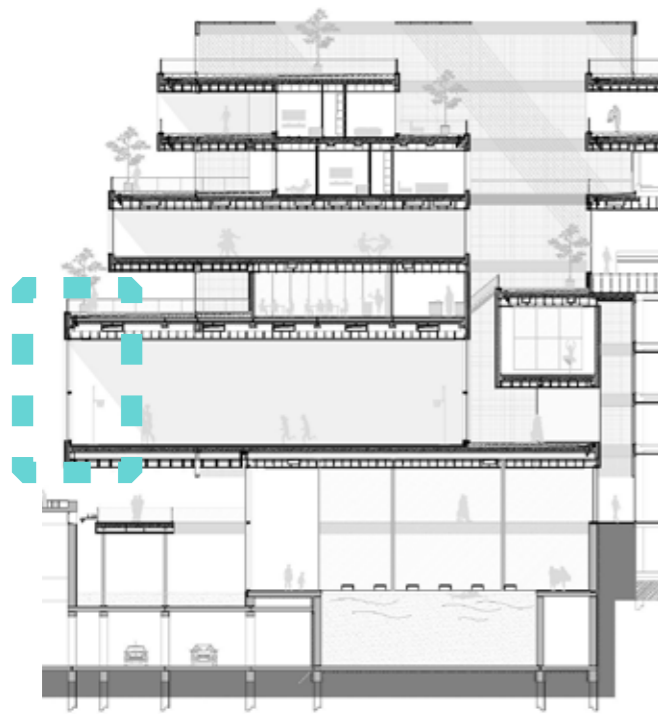
Mechanical ventilation



# 04 BOX-in-BOX

Climate

Mechanical ventilation



# 04 BOX-in-BOX

Materialisation

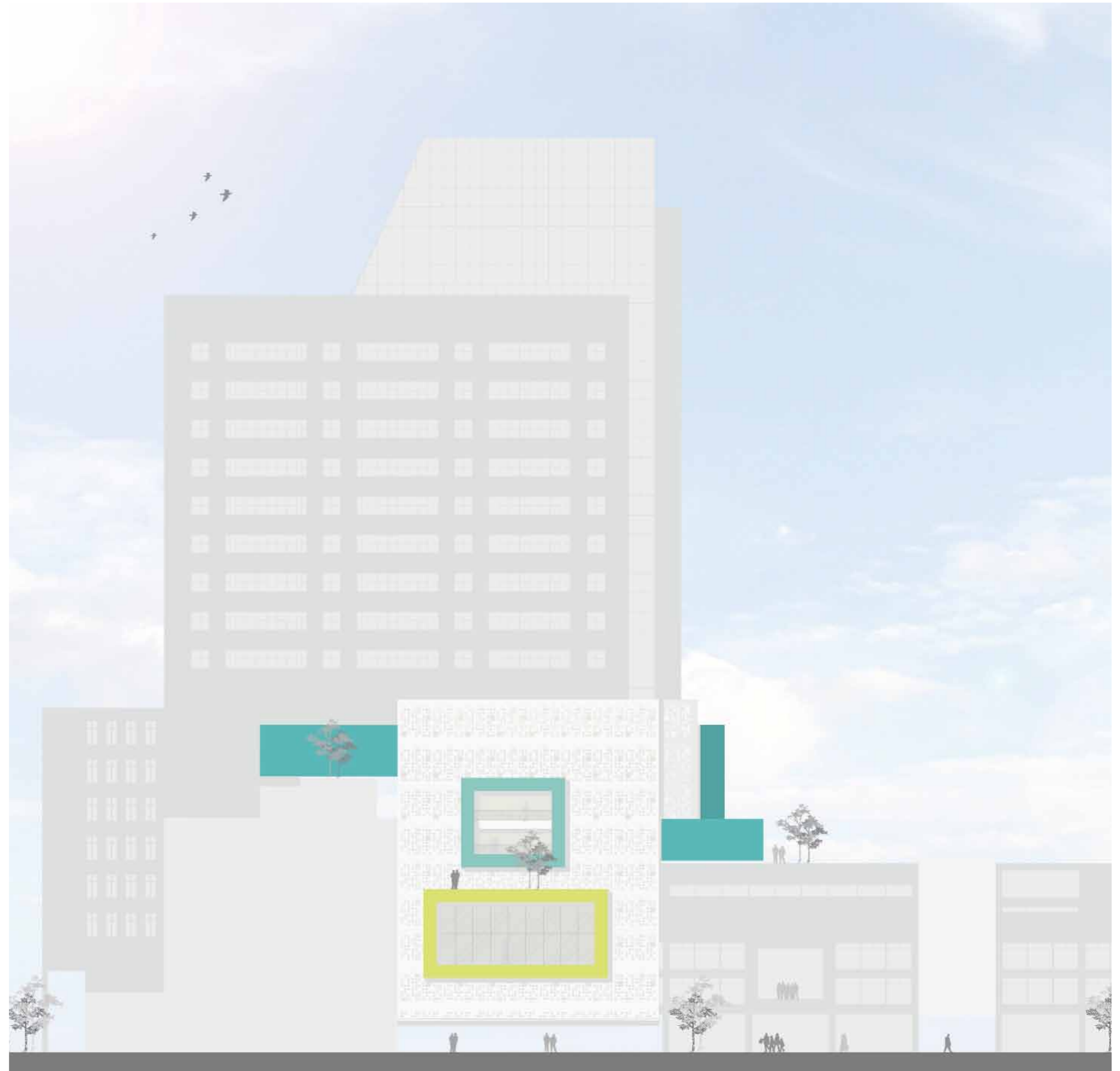
West facade



# 04 BOX-in-BOX

Materialisation

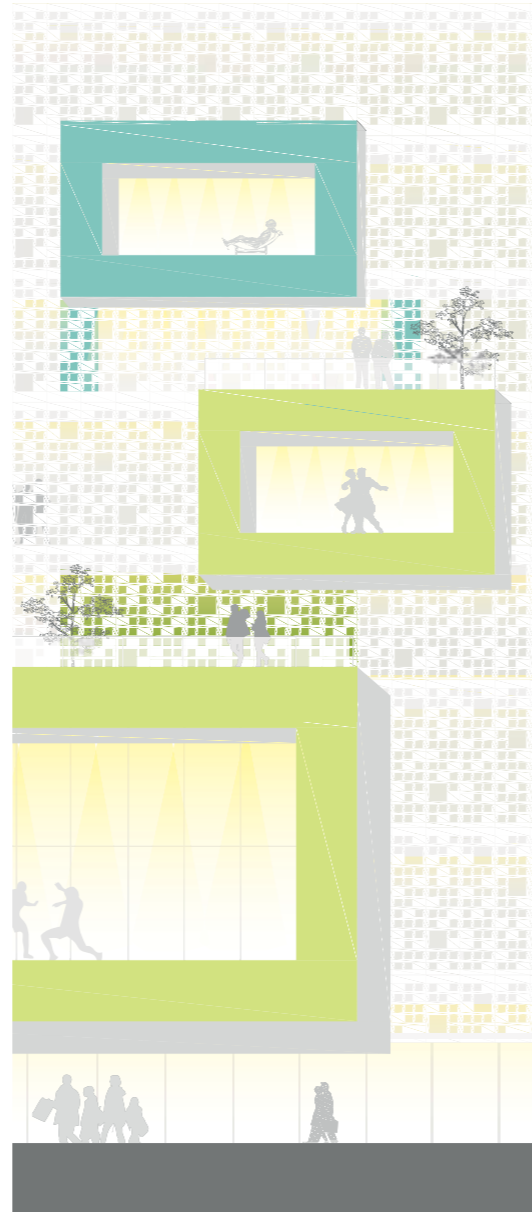
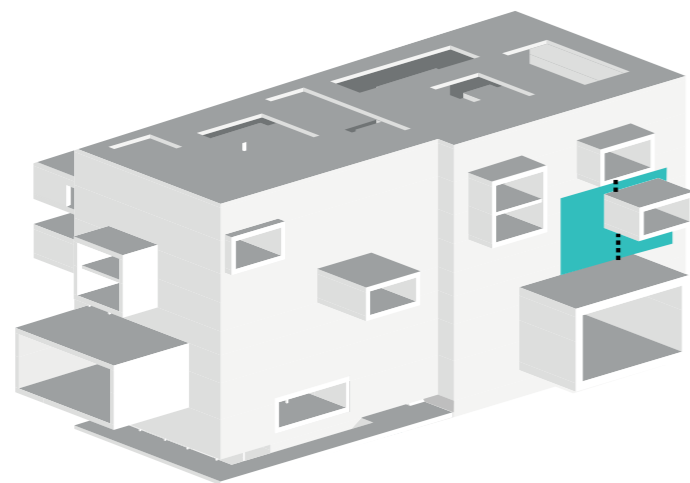
East facade



# 04 BOX-in-BOX

Materialisation

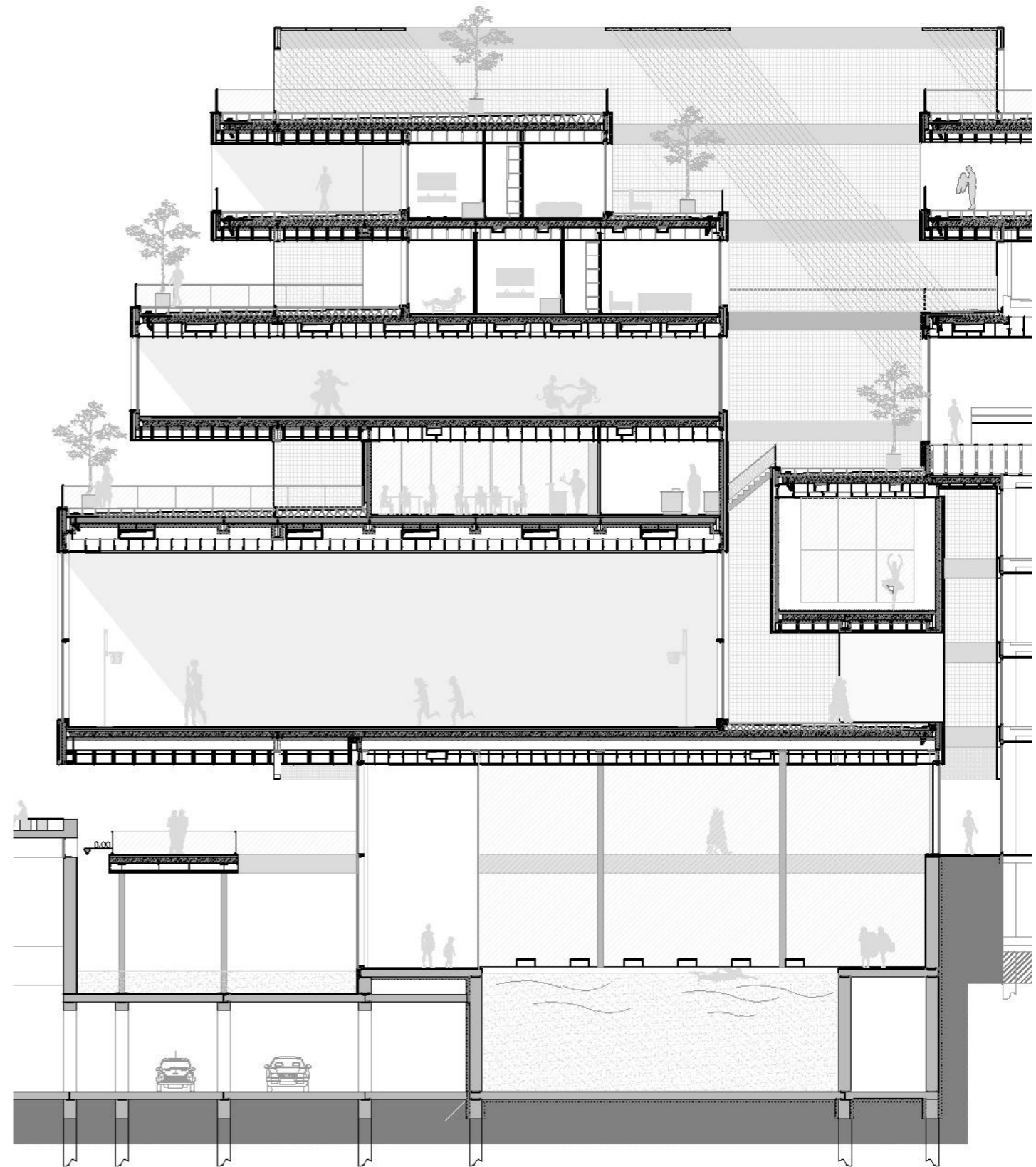
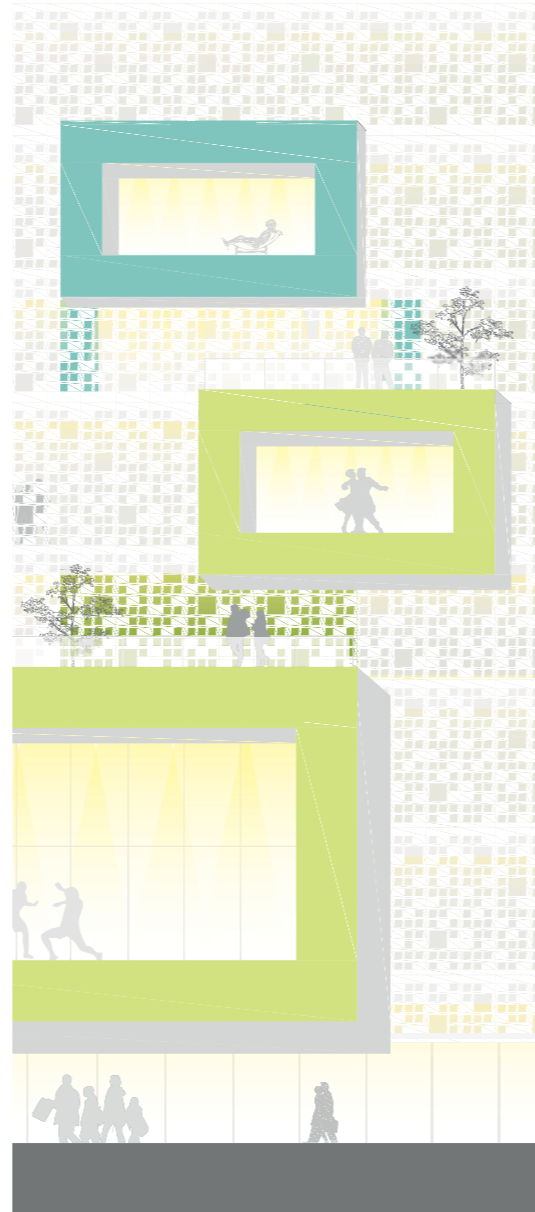
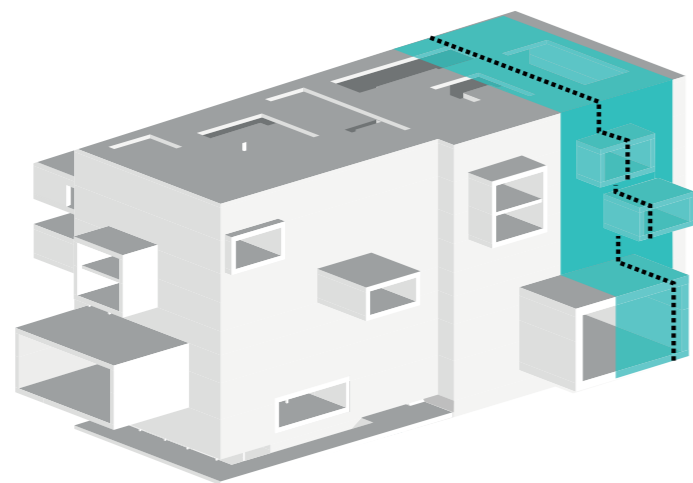
Facade fragment



# 04 BOX-in-BOX

Materialisation

Facade fragment + Section

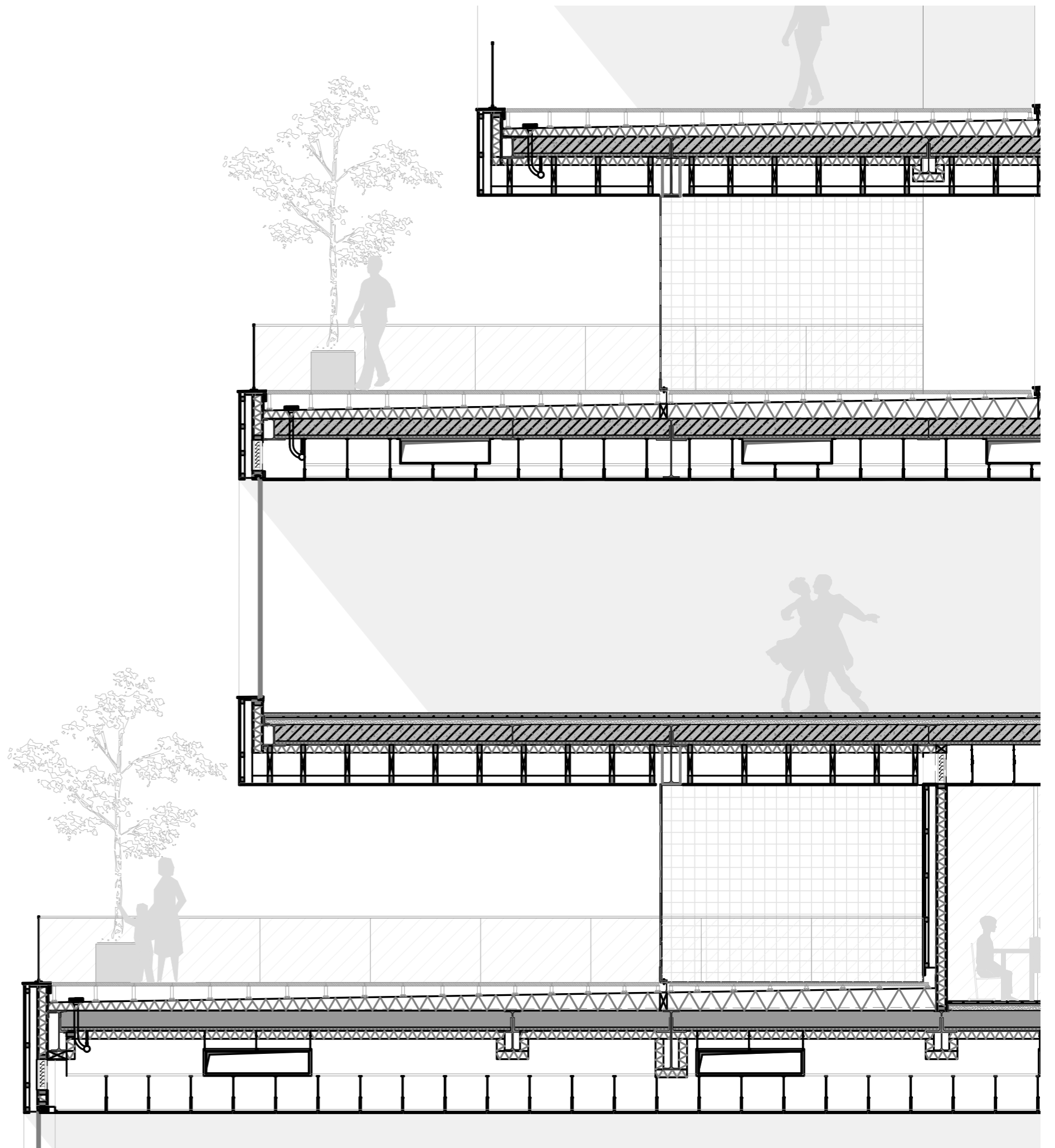
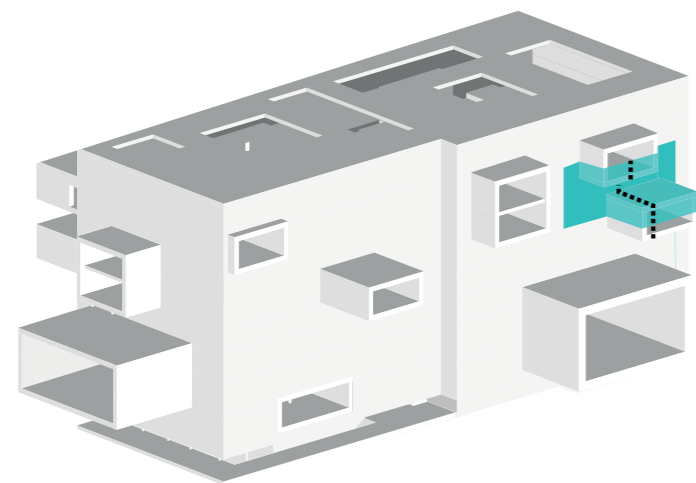




# 04 BOX-in-BOX

Materialisation

Facade detail

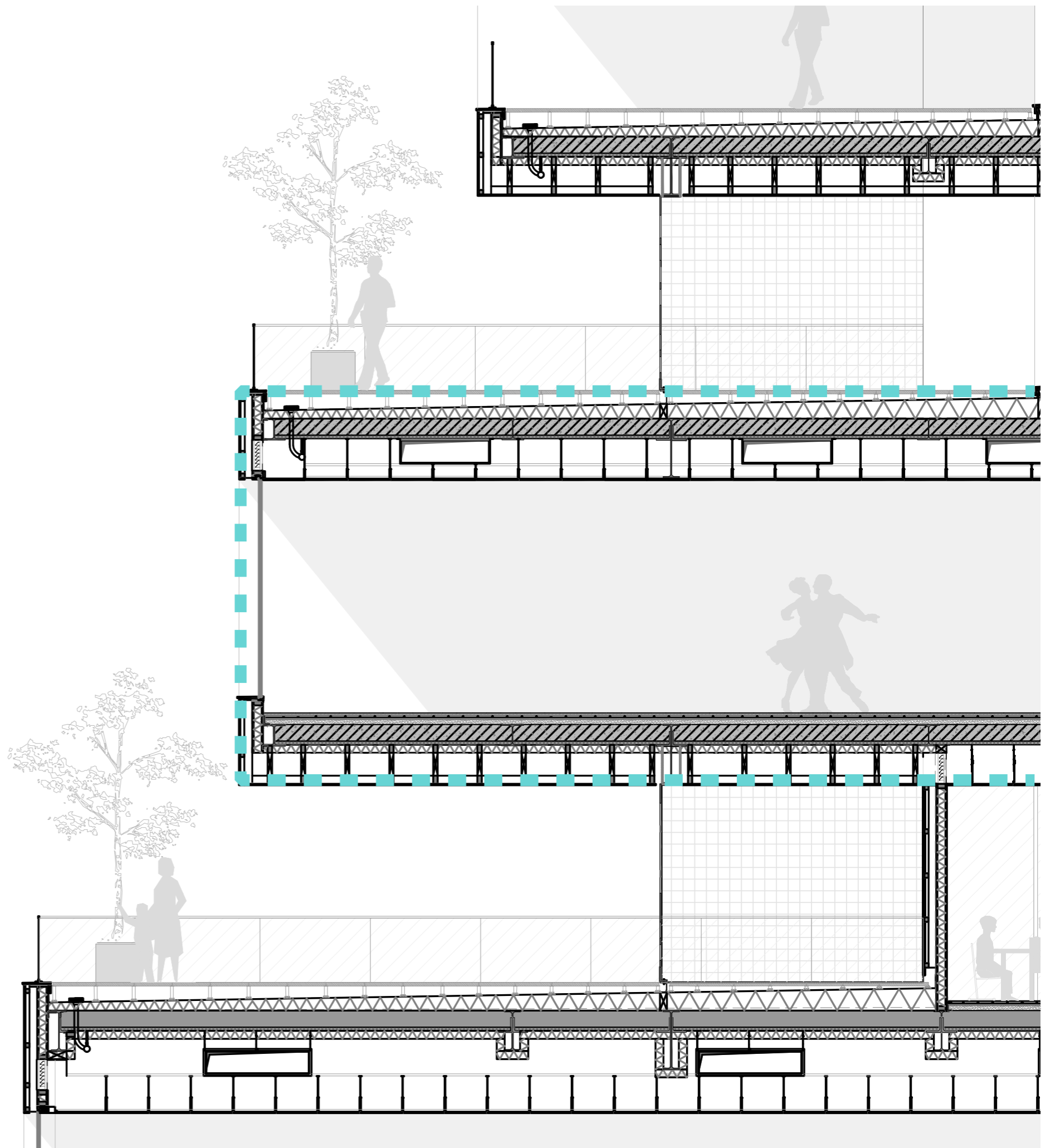
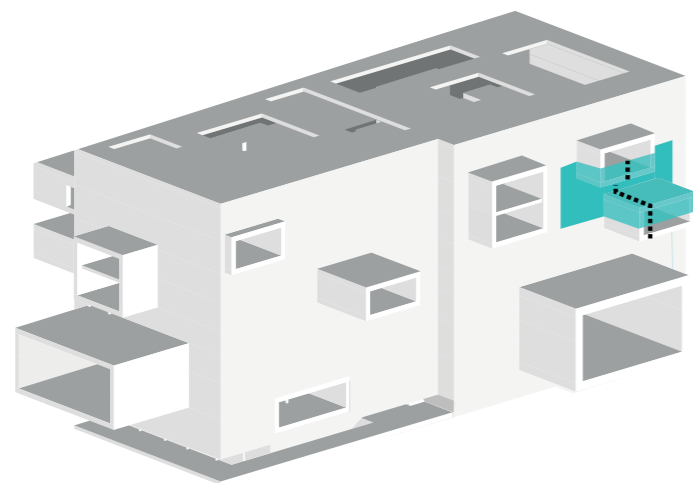


# 04 BOX-in-BOX

Materialisation

Facade detail

- Box

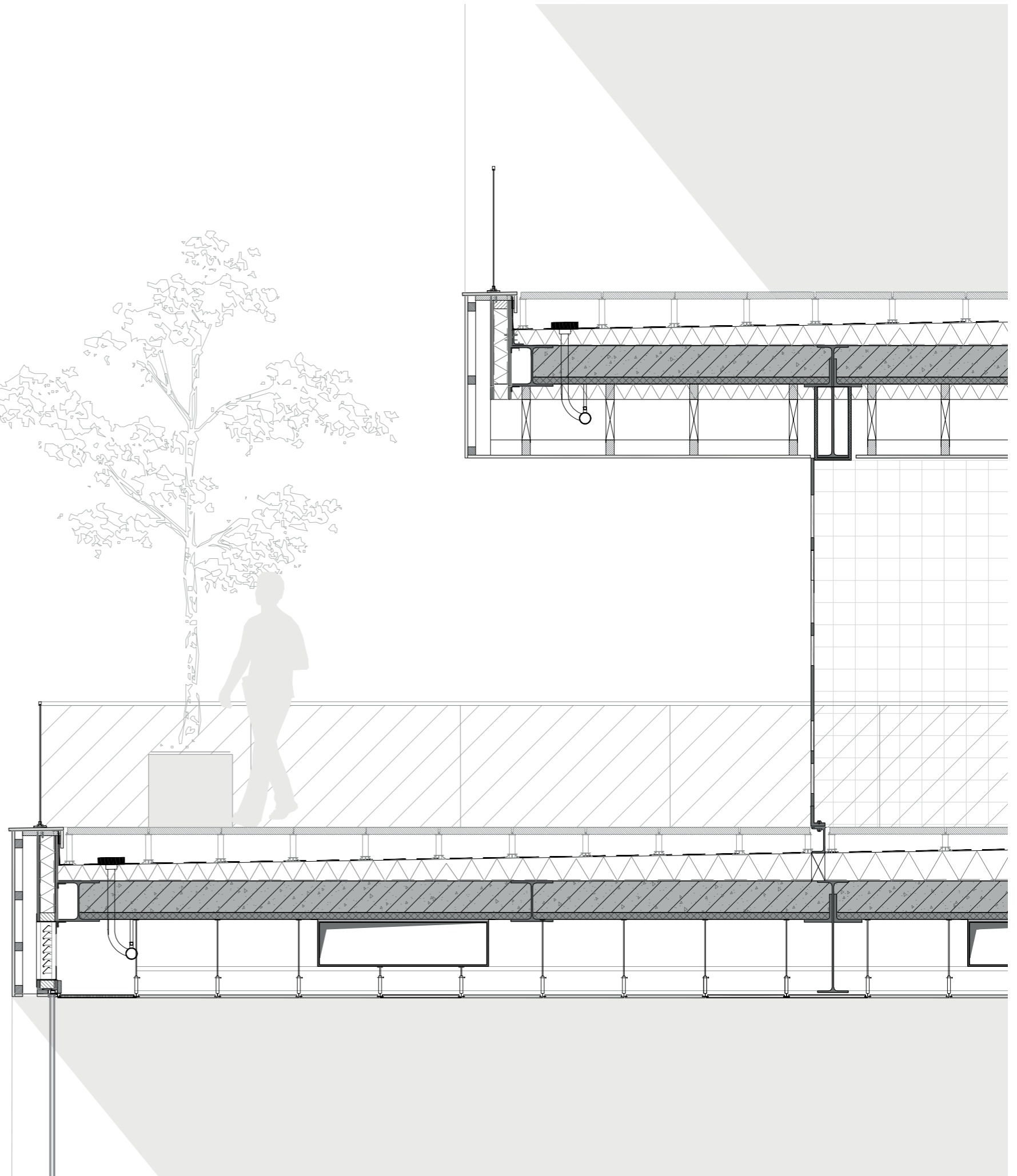
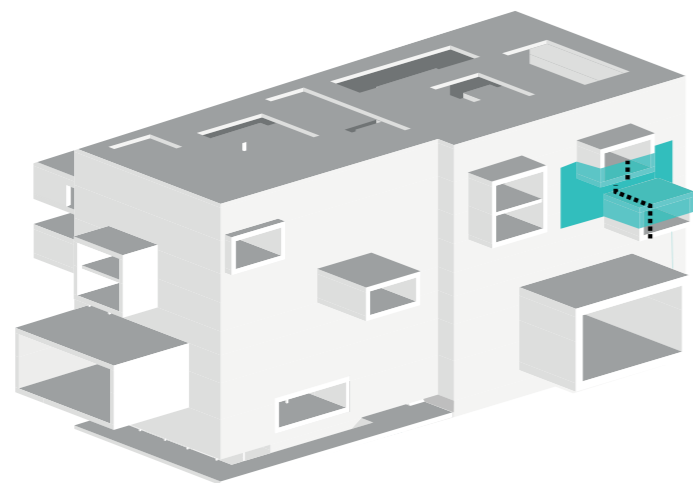


# 04 BOX-in-BOX

Materialisation

Facade detail

- Box



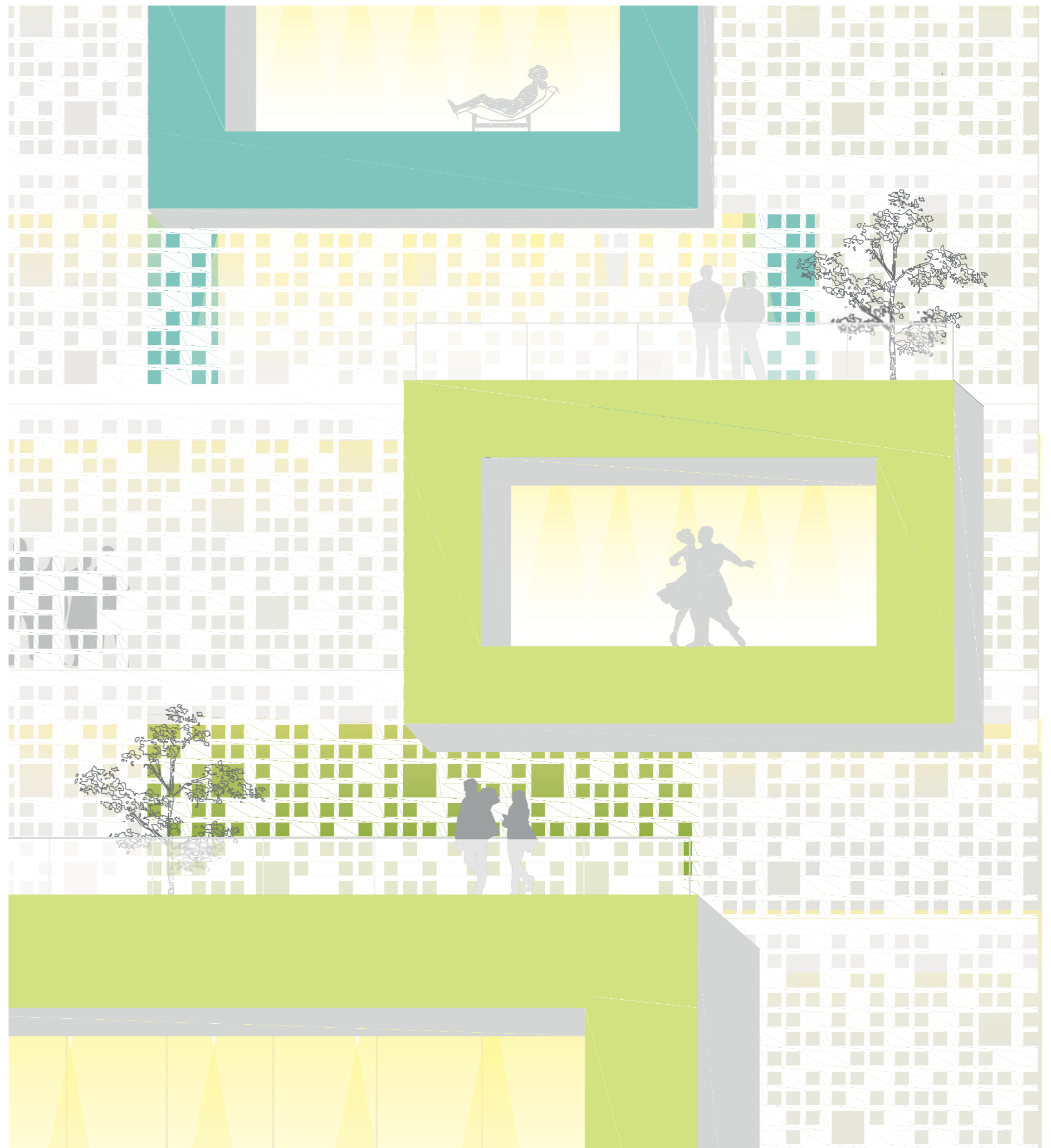
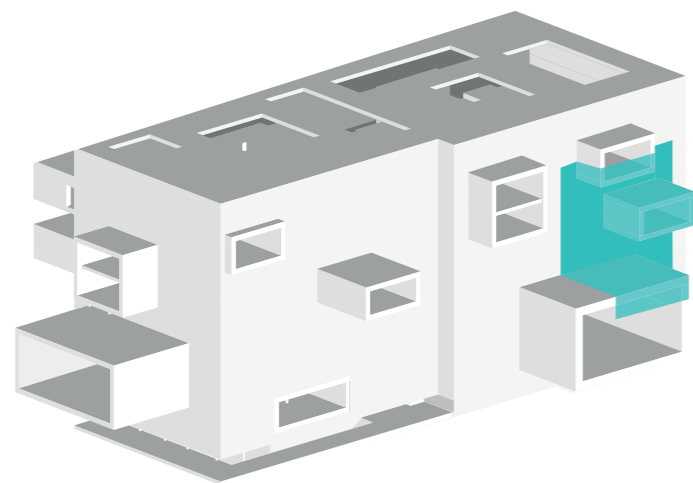
# 04 BOX-in-BOX

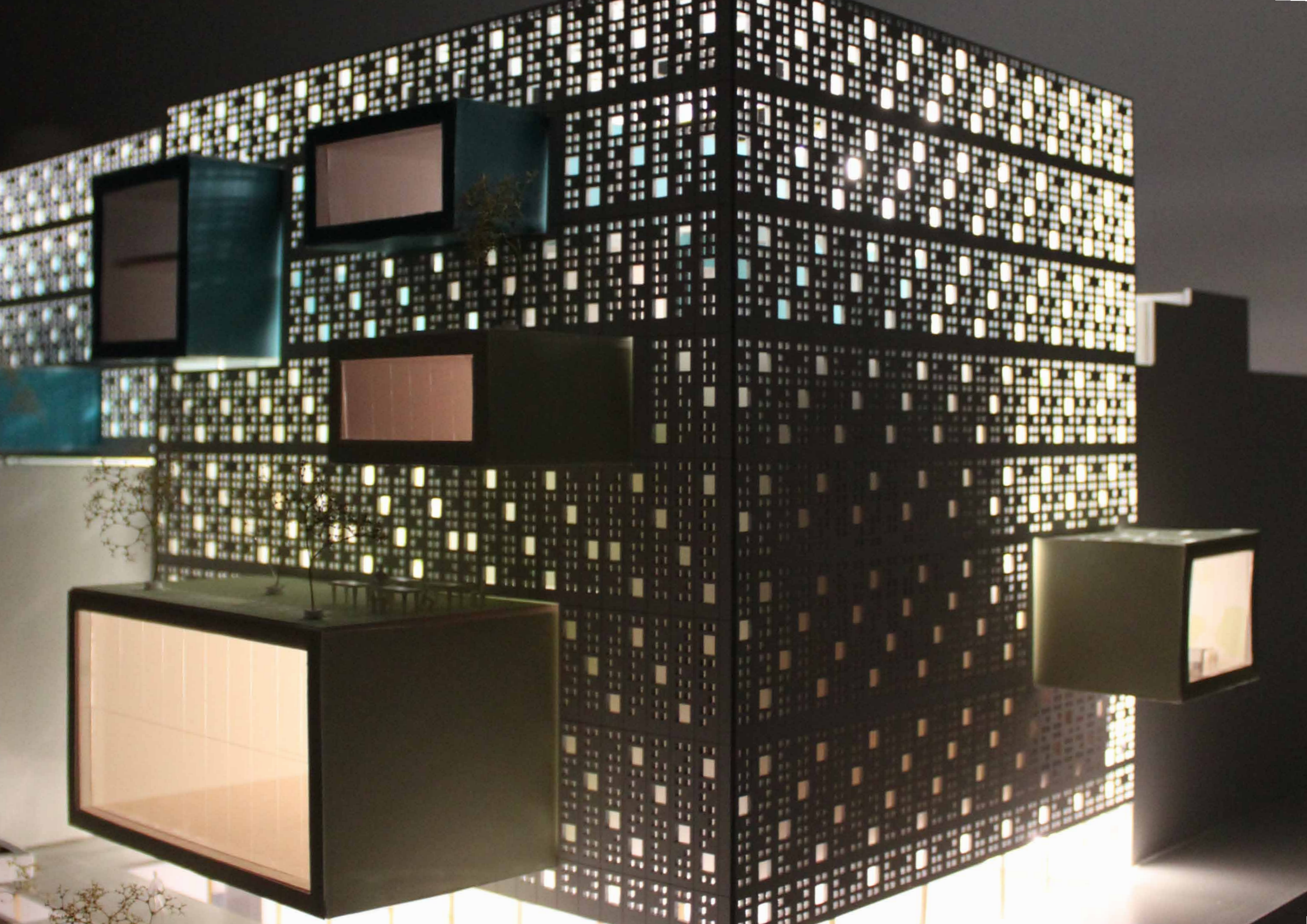
Materialisation

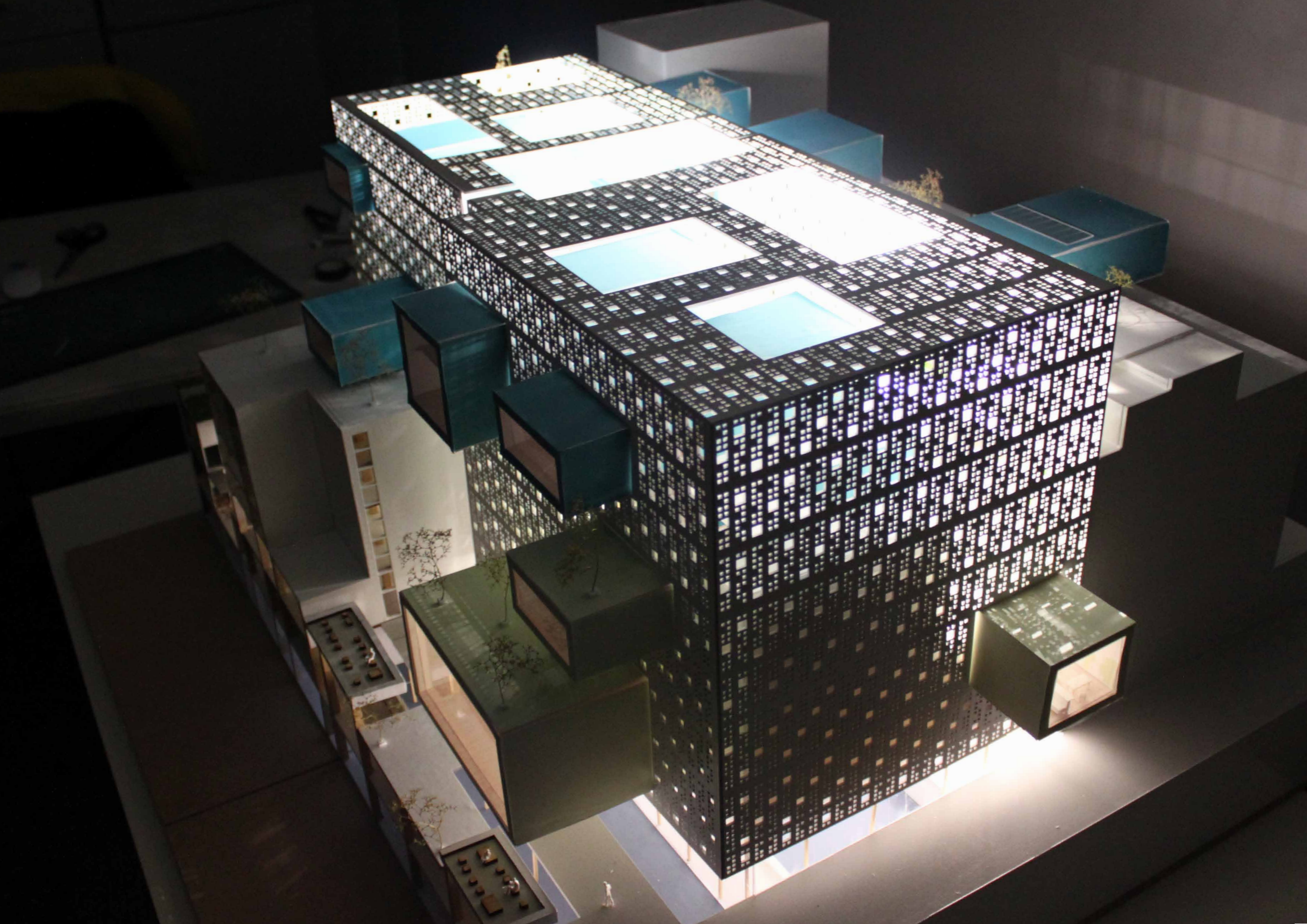
Facade detail

-Box: Eternit fiber cement board

-Second Facade: steel perforated plates













# **05** Conclusion

BOX-in-BOX

# **05** Conclusion

BOX-in-BOX

What makes the BOX-in-BOX design unique?

# **05** Conclusion

BOX-in-BOX

What makes the BOX-in-BOX design unique?

Flexibility within multifunctionality

# **05** Conclusion

BOX-in-BOX

**What makes the BOX-in-BOX design unique?**

**Flexibility within multifunctionality**

BOX-in-BOX is a cultural experience of different kind of

- sport
- dance
- eat & drink
- and relax facilities

# **05** Conclusion

BOX-in-BOX

**What makes the BOX-in-BOX design unique?**

**Flexibility within multifunctionality**

BOX-in-BOX is a cultural experience of different kind of

- sport
- dance
- eat & drink
- and relax facilities

**Stimulates in a natural way multicultural connection**

# **05** Conclusion

BOX-in-BOX

**What makes the BOX-in-BOX design unique?**

**Flexibility within multifunctionality**

BOX-in-BOX is a cultural experience of different kind of

- sport
- dance
- eat & drink
- and relax facilities

**Stimulates in a natural way multicultural connection**

A public realm where users will get

- visible stimulation
- interaction
- get to know
- be aware
- and get connected with each other

# **05** Conclusion

BOX-in-BOX

**What makes the BOX-in-BOX design unique?**

**Flexibility within multifunctionality**

BOX-in-BOX is a cultural experience of different kind of

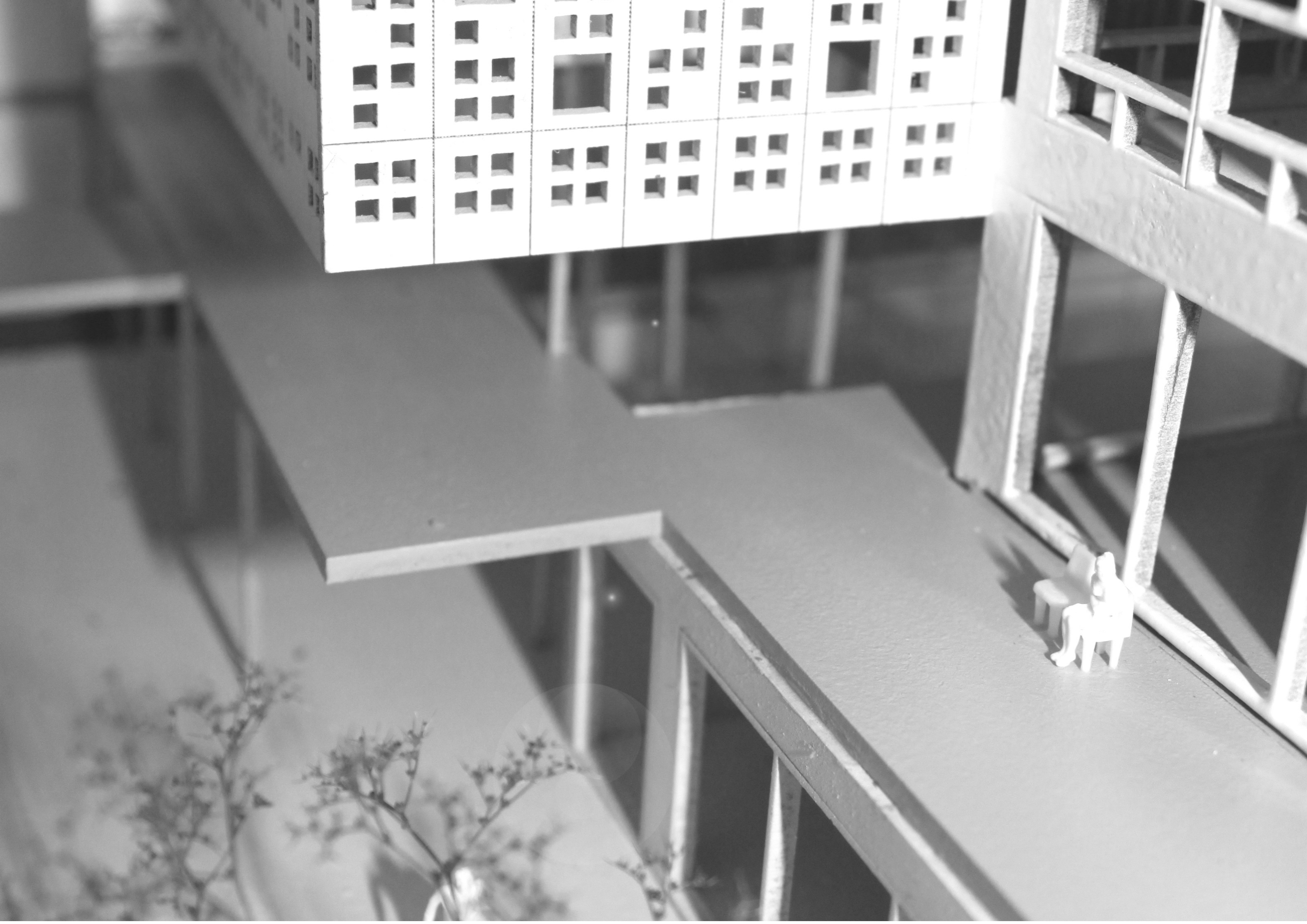
- sport
- dance
- eat & drink
- and relax facilities

**Stimulates in a natural way multicultural connection**

A public realm where users will get

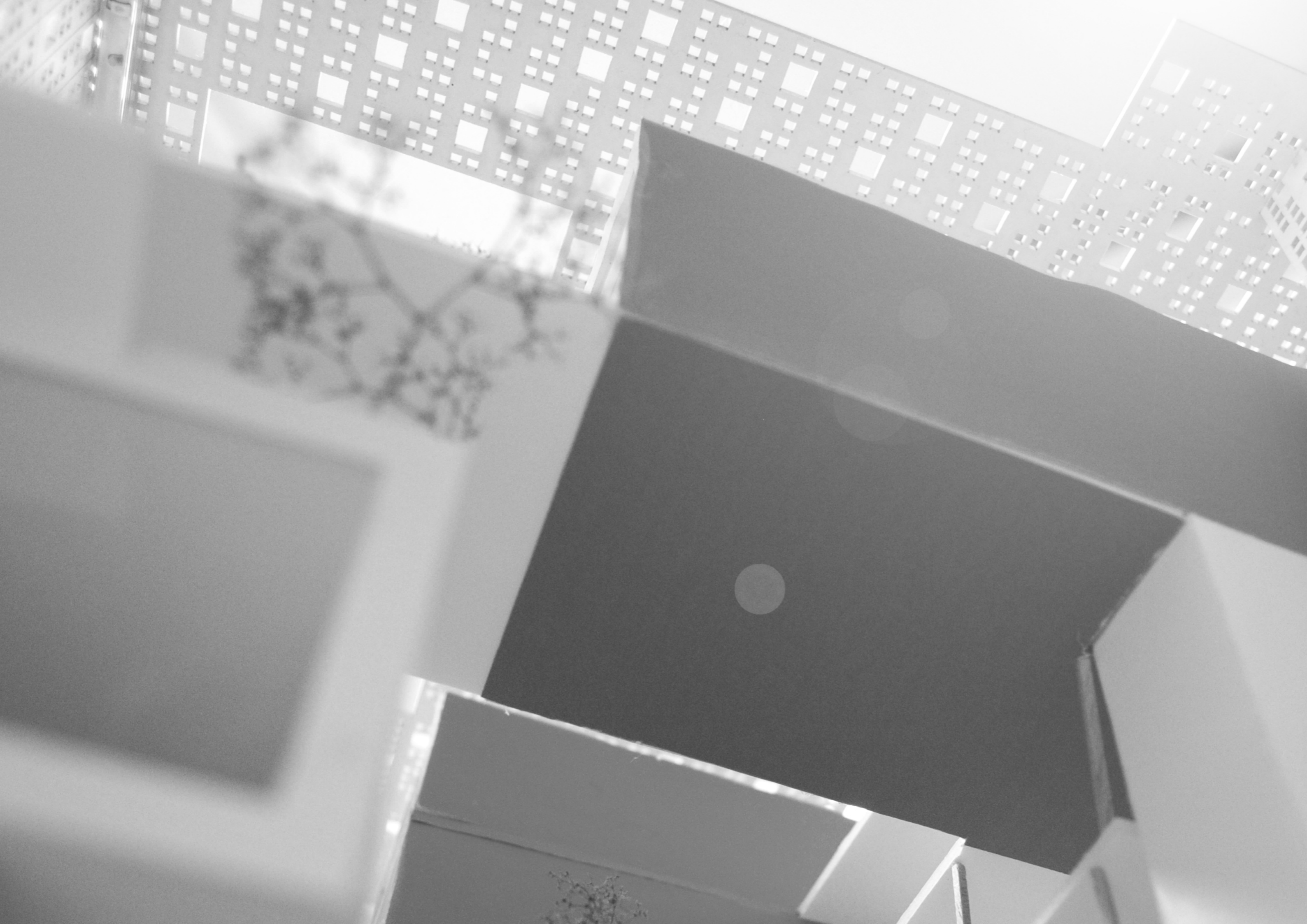
- visible stimulation
- interaction
- get to know
- be aware
- and get connected with each other

**Public realm will again be a part of the public users**











**THE END**