

The Social Identity of a Three-Hundred-Meter Long Building

Graduation Studio: New Heritage
Adapting 20th Century Heritage

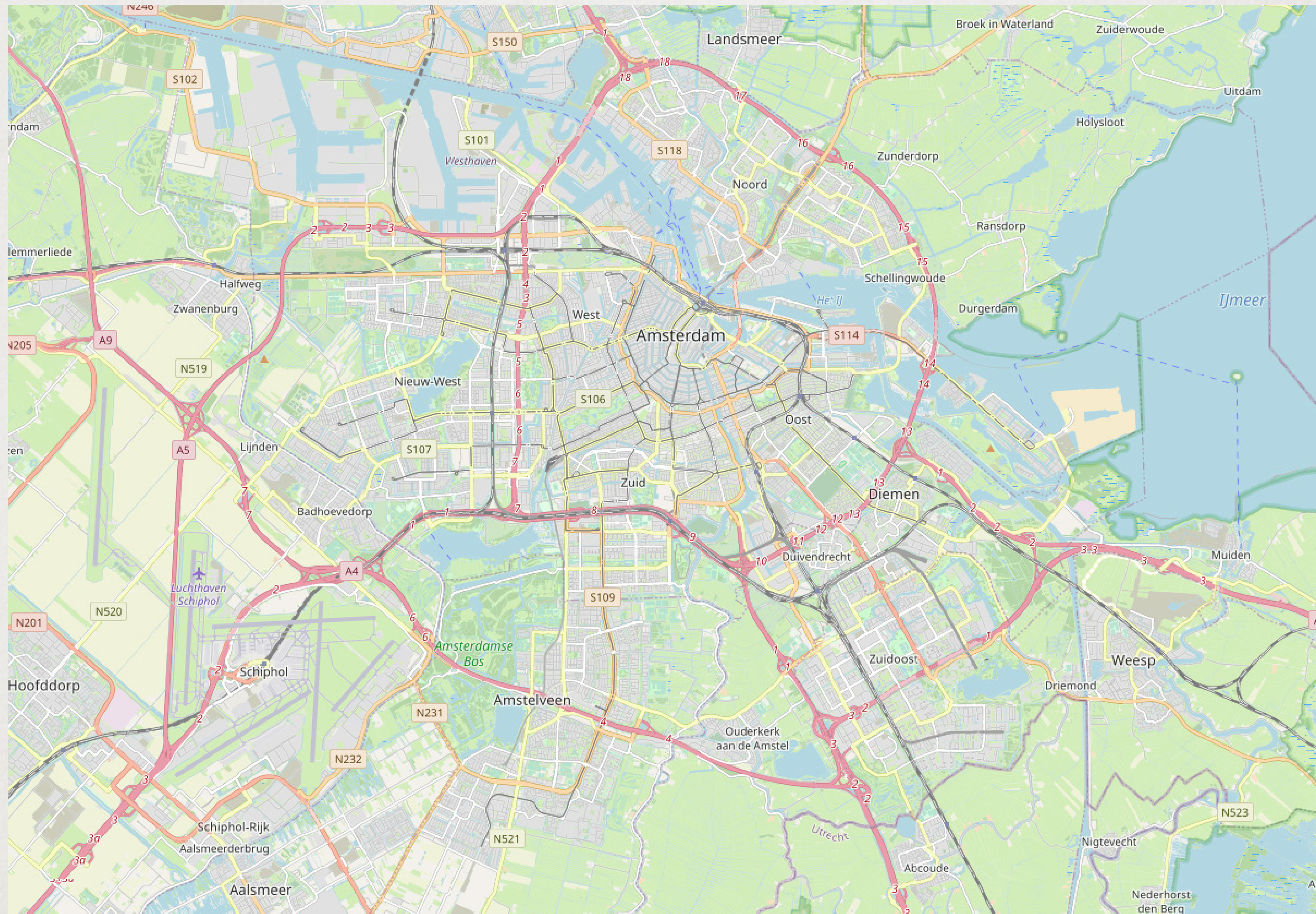
Interventions to the mid-rise building on the Hoptille street
Amsterdam Zuid-Oost

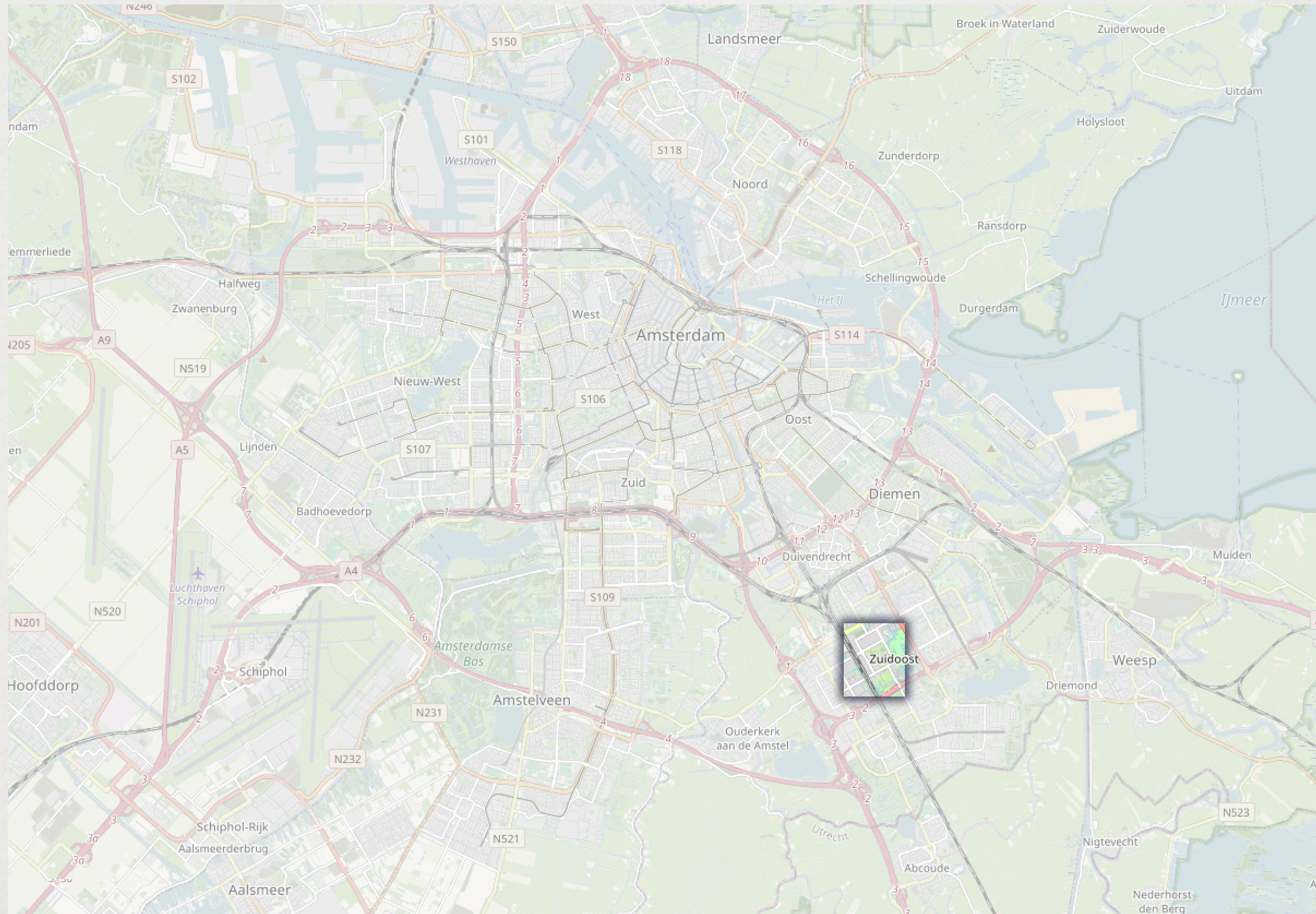
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22-06-2021

Examiners P5:
Nicholas Clarke
Ger Warries
Lidwine Spoormans
Remon Rooij







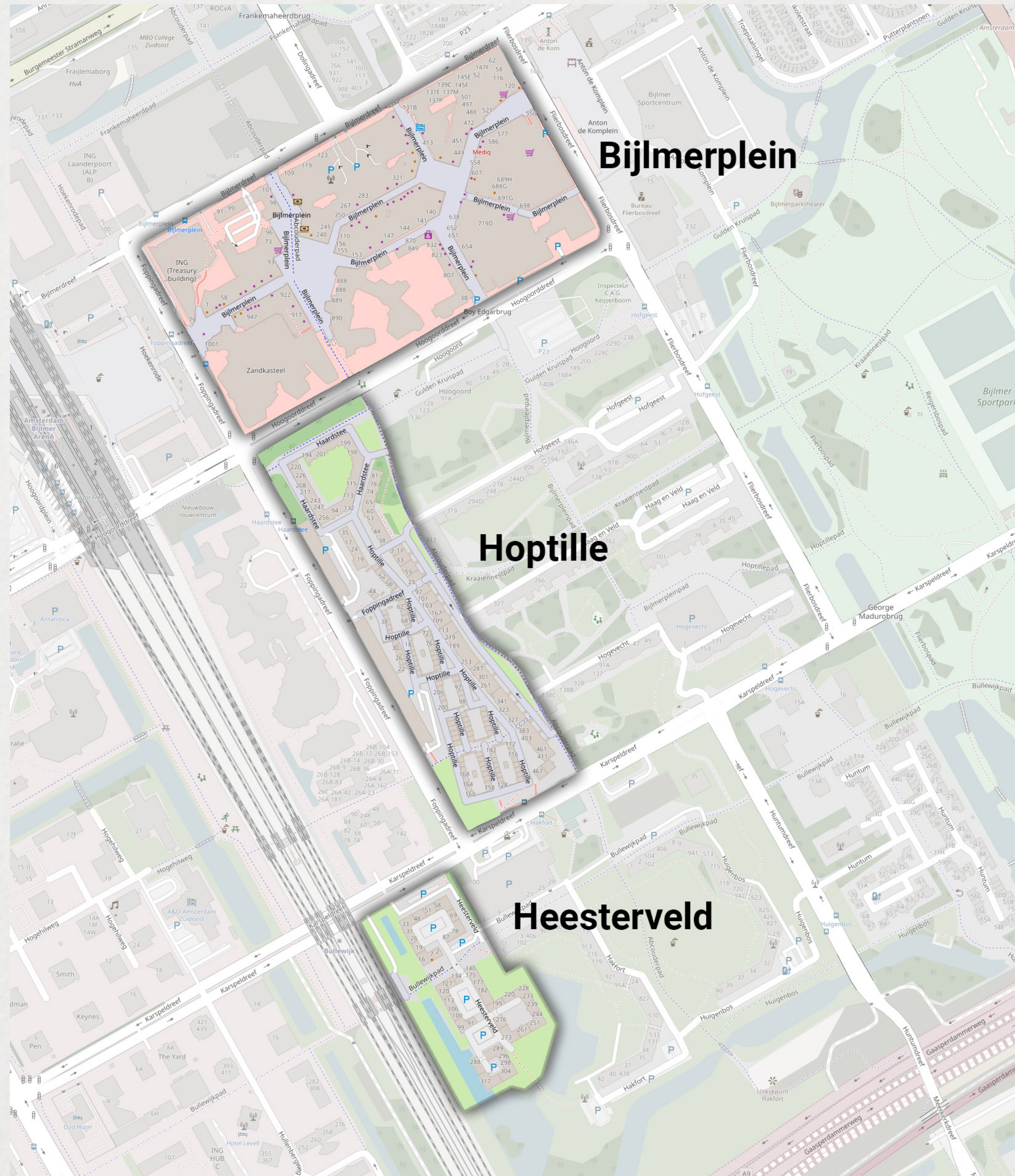






Figure 1. North-East side of the Hoptille Midrise. From "DeArchitect," by R. Scobie, 1982 (<https://www.dearchitect.nl/projecten/hoptille-amsterdam-en-gerdesiaweg-rotterdam-door-kees-rijnboutt>)



Figure 2. South-West side of the Hoptille Midrise. From "DeArchitect," by R. Scobie, 1982 (<https://www.dearchitect.nl/projecten/hoptille-amsterdam-en-gerdesiaweg-rotterdam-door-kees-rijnboutt>)



Housing corporation

The logo for Ymere, featuring the word "Ymere" in a bold, purple, sans-serif font. The text is centered within a large, white circle that has a soft drop shadow, making it stand out against the light gray background.

Ymere

- Higher liveability for the residents
- Managable buildings
- Trust from the inhabitants

Street interviews



- Technical issues
- Unappealing staircases
- Low quality greenery
- Garbage nuisance

Interview Sjoerd Soeters



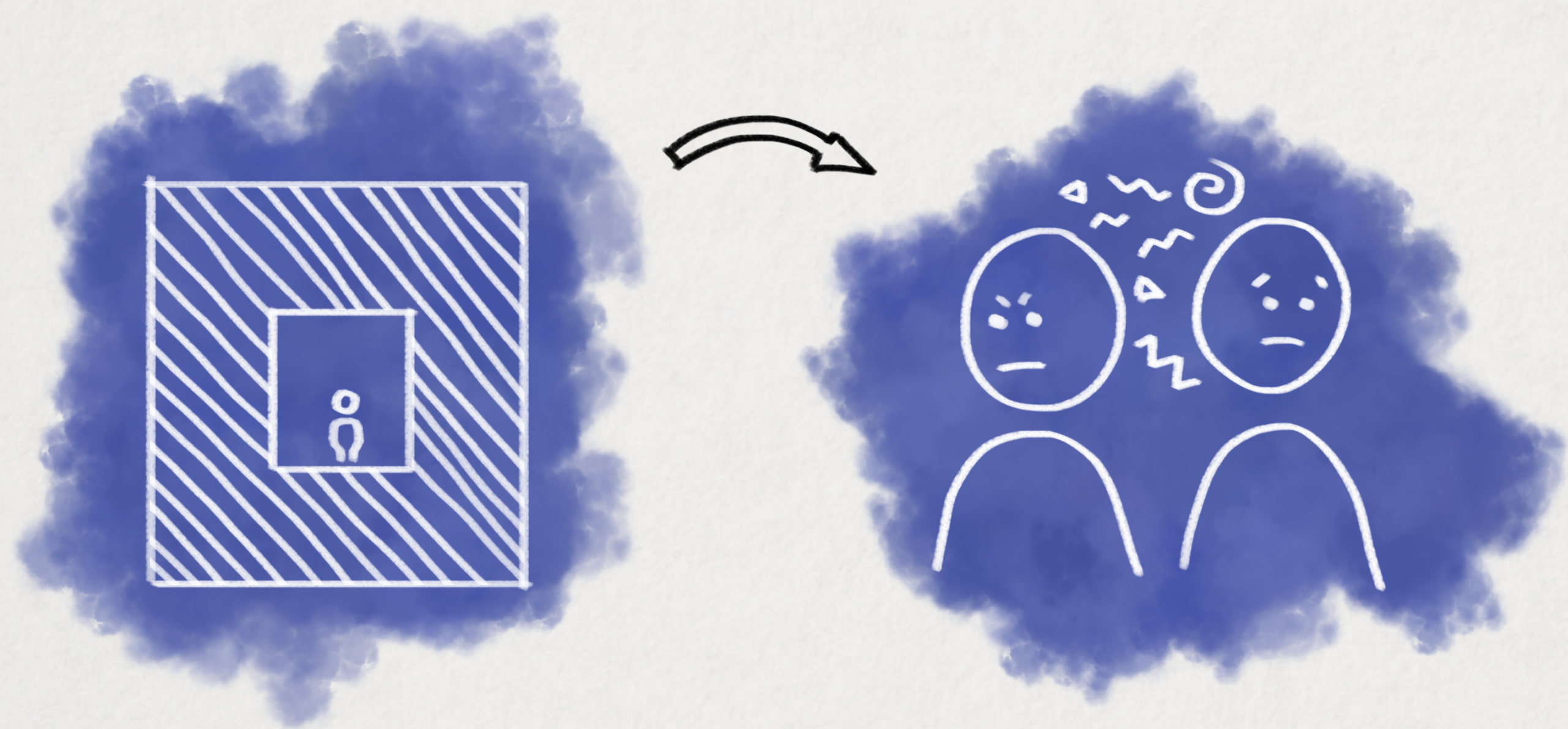
- The building has not become the humanistic building that he would have wanted it to be
- The building is highly idealistic

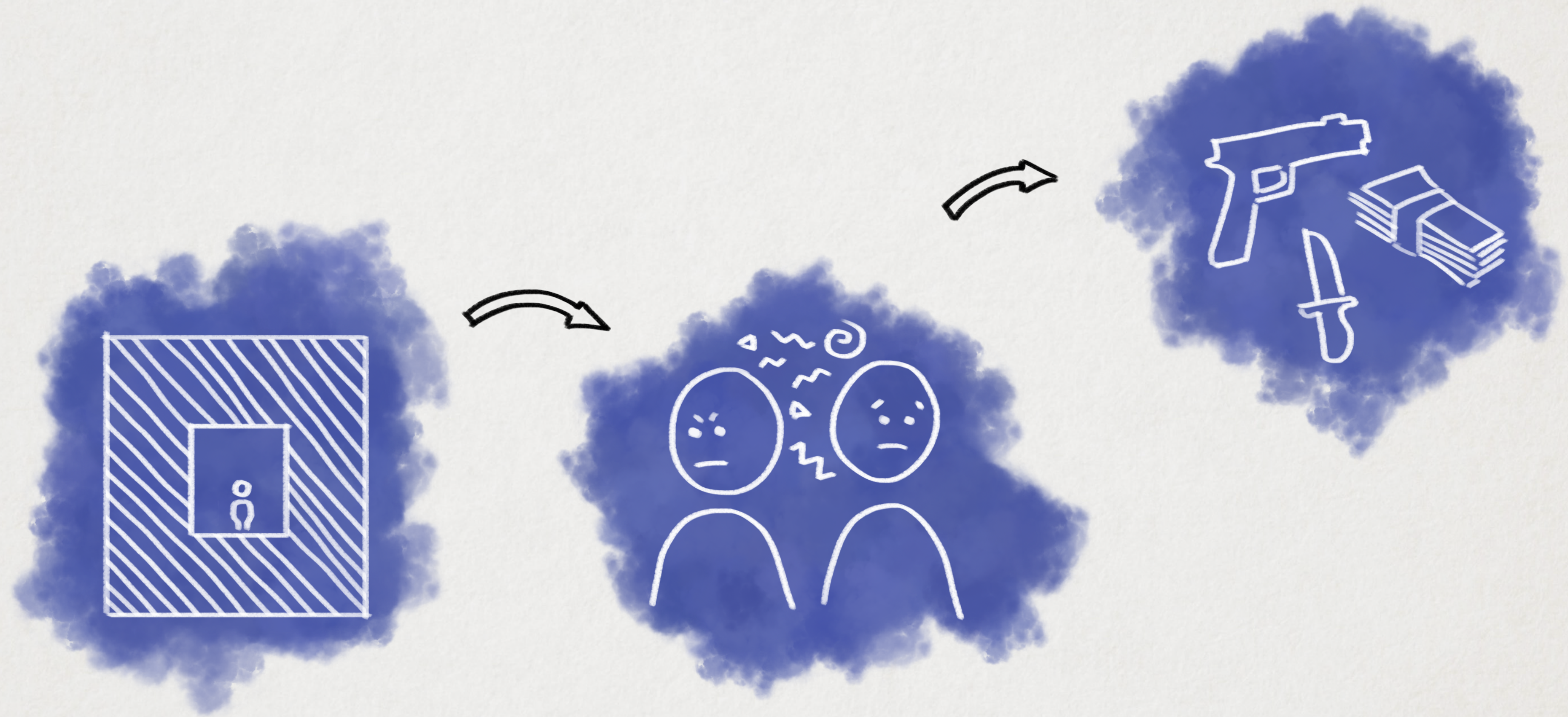
Interview worker at the community centre

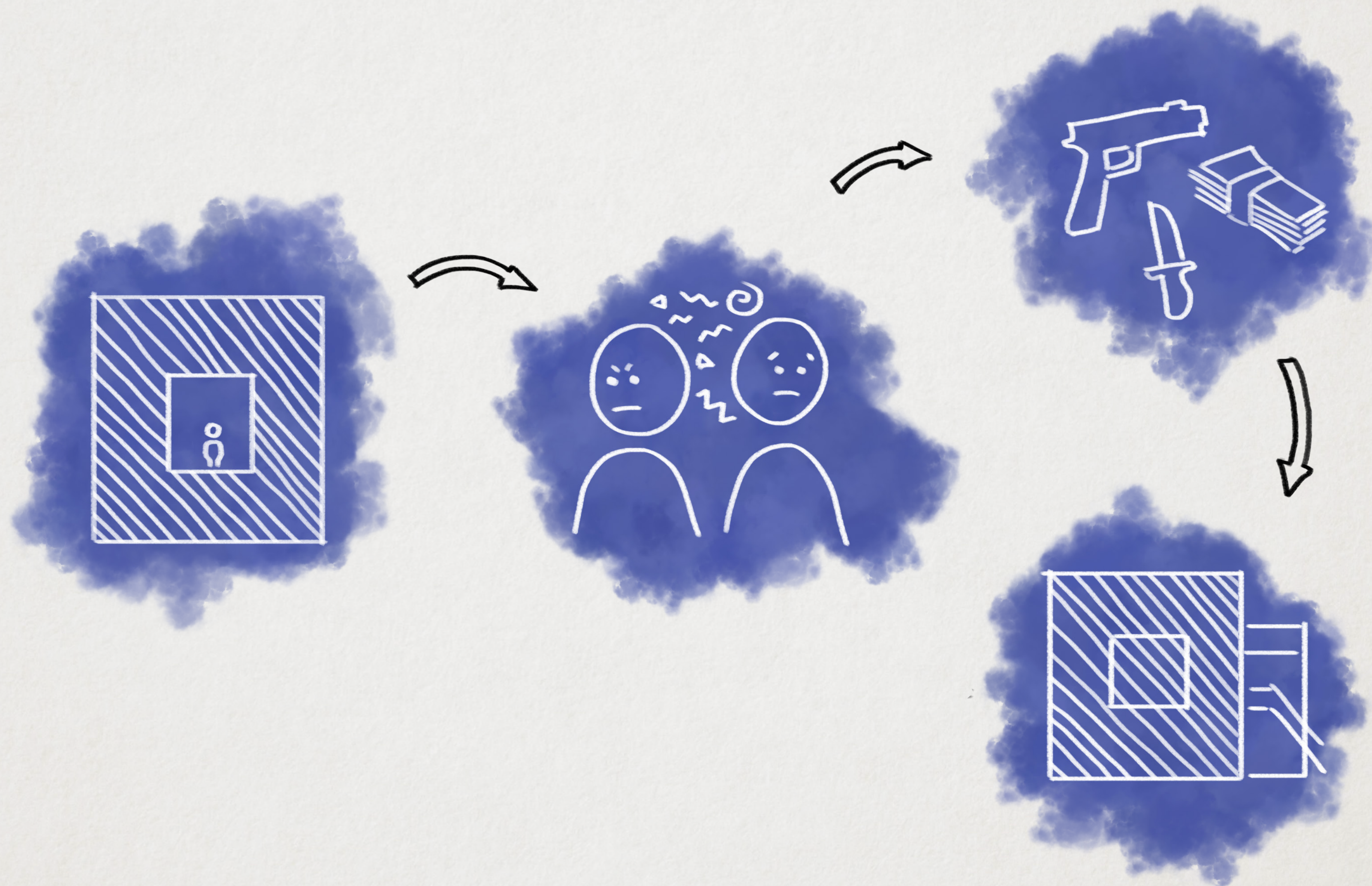


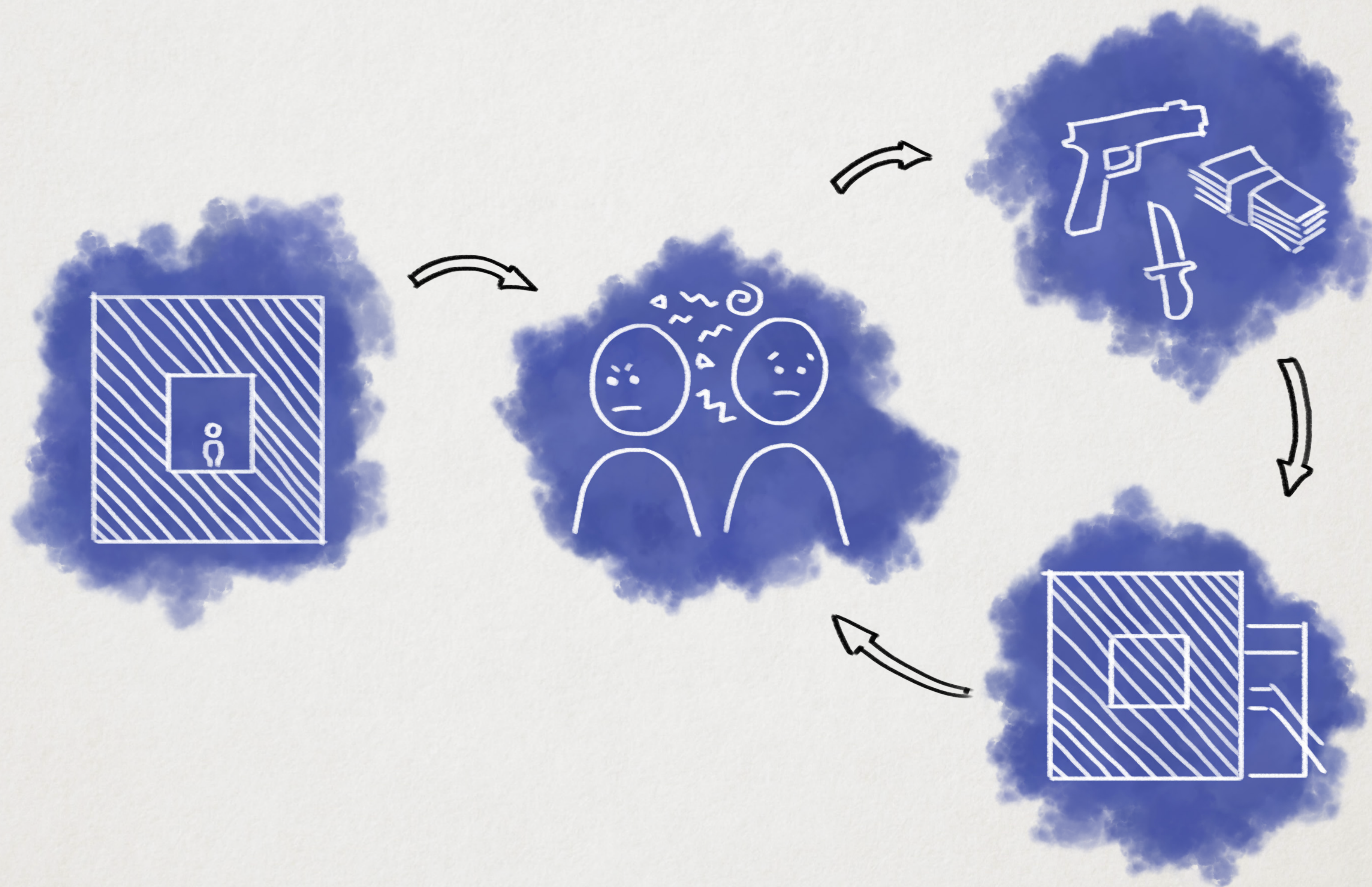
- “There is a lot of poverty and a lot of **loneliness**. In a building like this you can disappear completely into solitude. People have little contact with their neighbours.”
- “Some people are even too **afraid** to take the elevator at night.”
- “People are not proficient in the **language**, so they are not able to read announcements properly. Not knowing what’s going on around you. That is very big issue here.”

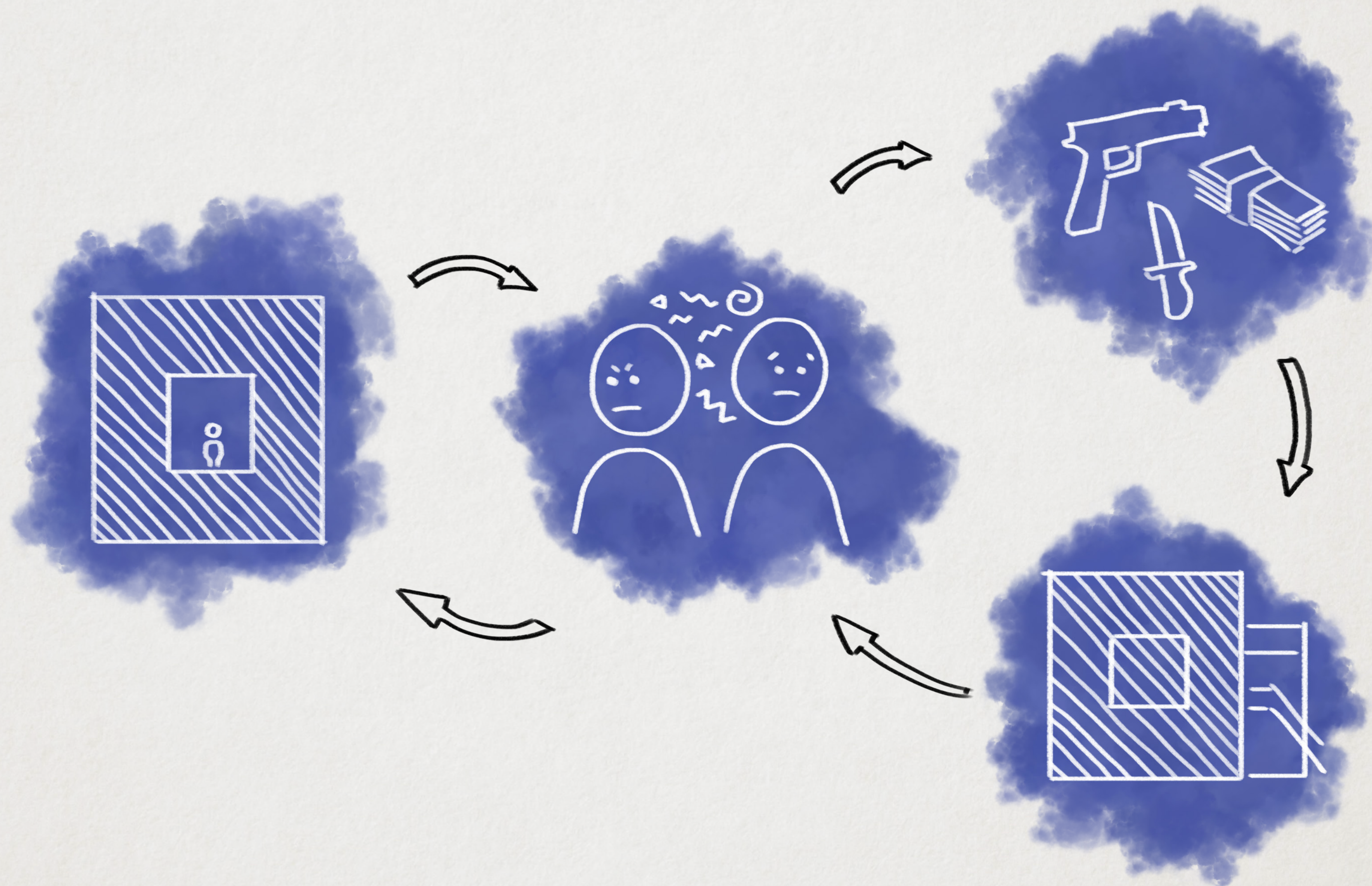












Problem statement

The mid-rise building of Hoptille **lacks an integrated designed housing access**. Because of this, the inhabitants are experiencing **social issues** like loneliness and feeling of isolation.

Ambition

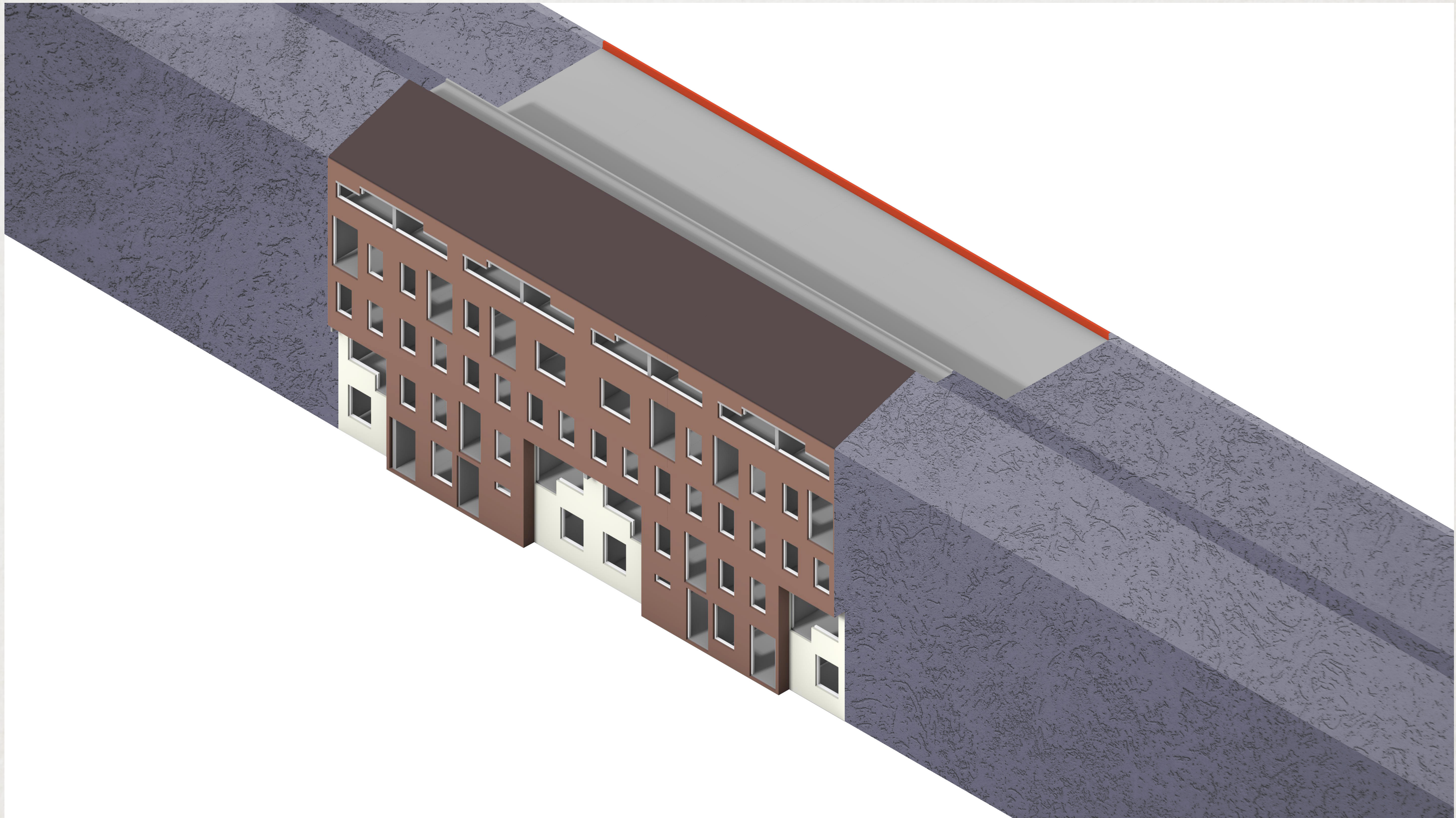
Forming **strong communities** in the long building of Hoptille and making them more **managable** for the housing corporation so that any **new social issues** can be adressed easily.

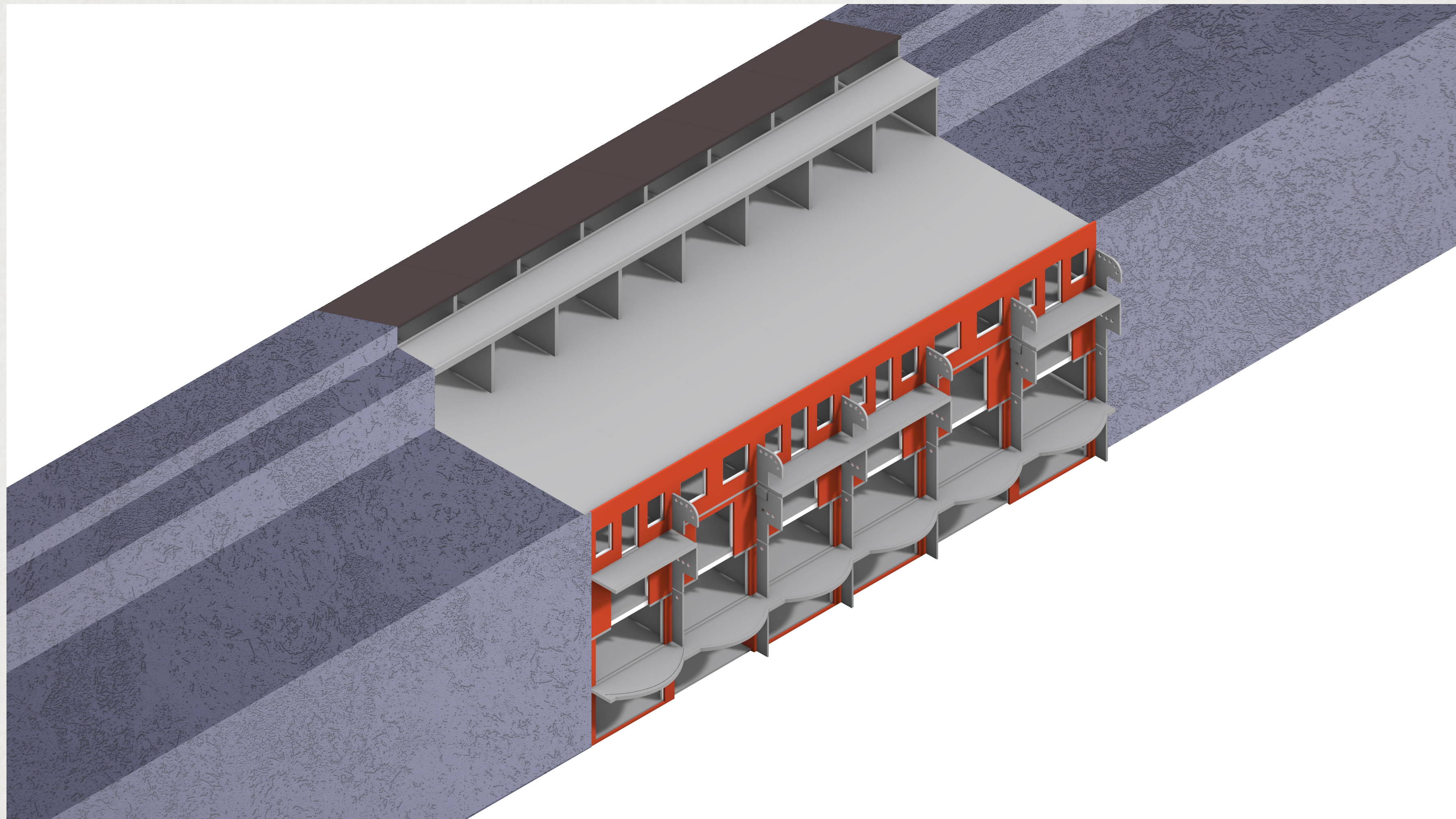
Research question

How can **strong communities** be formed within the long building of Hoptille? And how can these be made more **managable** for the housing corporation so that any **new social issues** can be adressed easily?







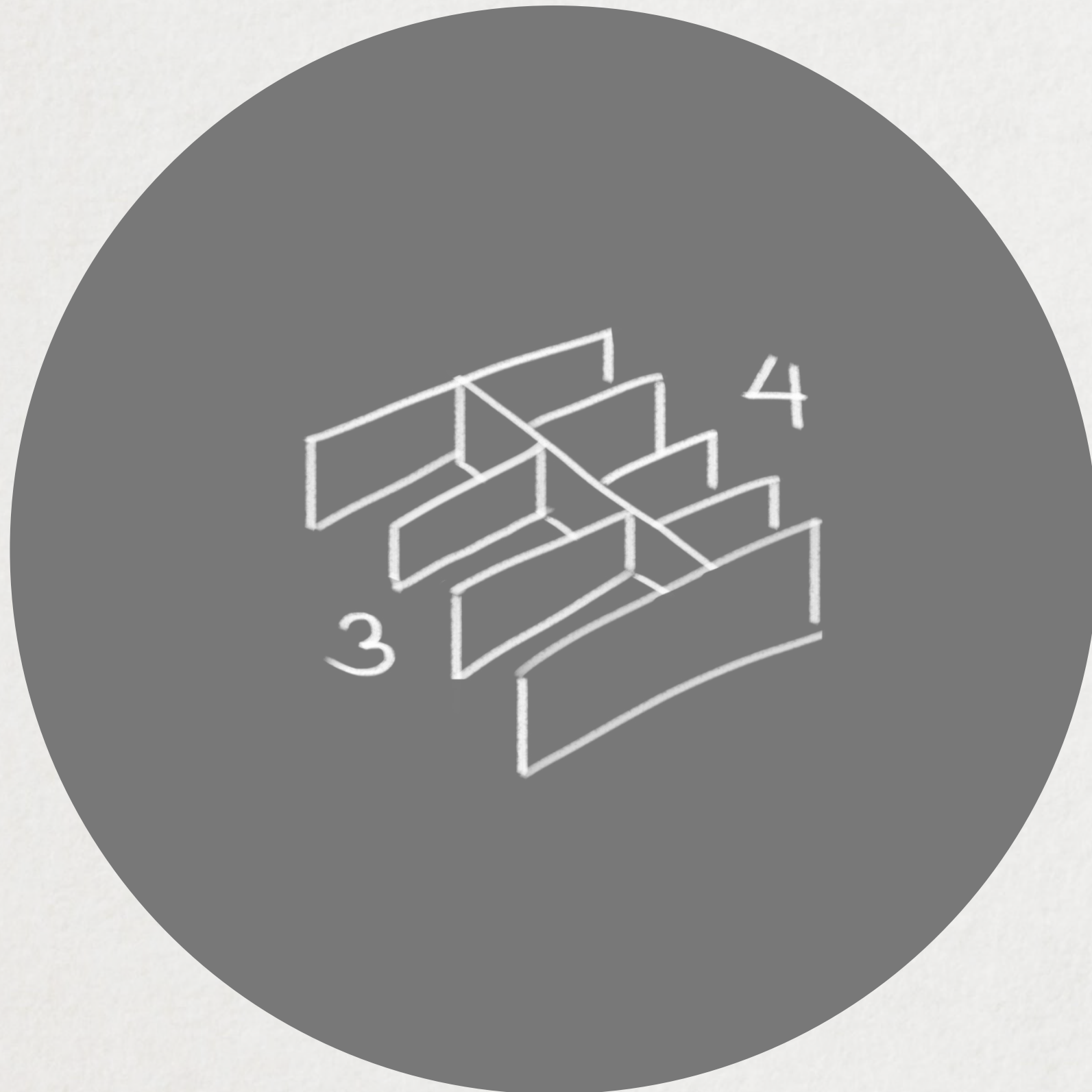


Historical values



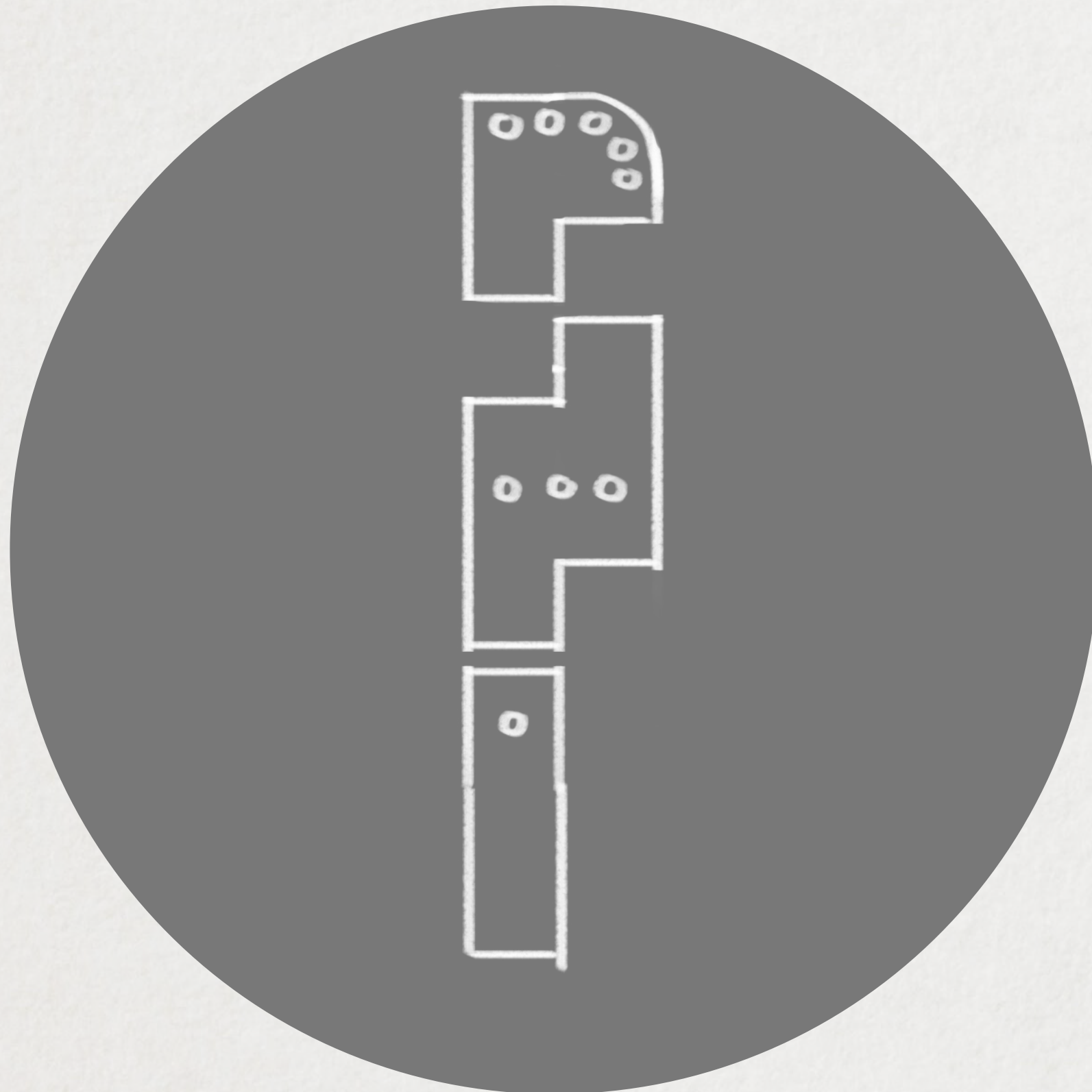
- Volume of the building block
- Reaction to the neighbouring high-rise
- Humanistic approach

Use values



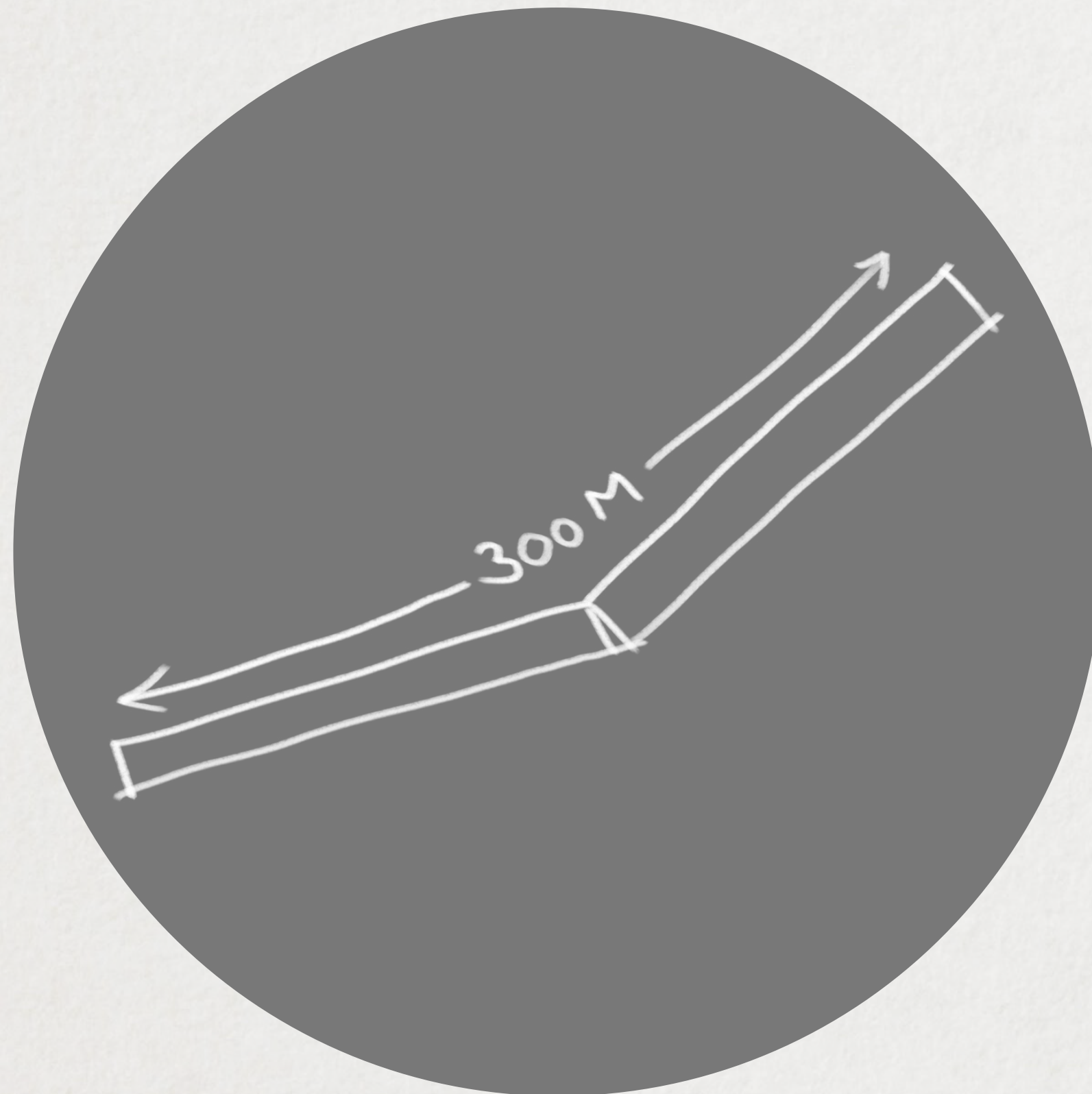
- The unique concrete pre-fab construction can be re-used
- The brickwork can remain in its current state

Architectural values

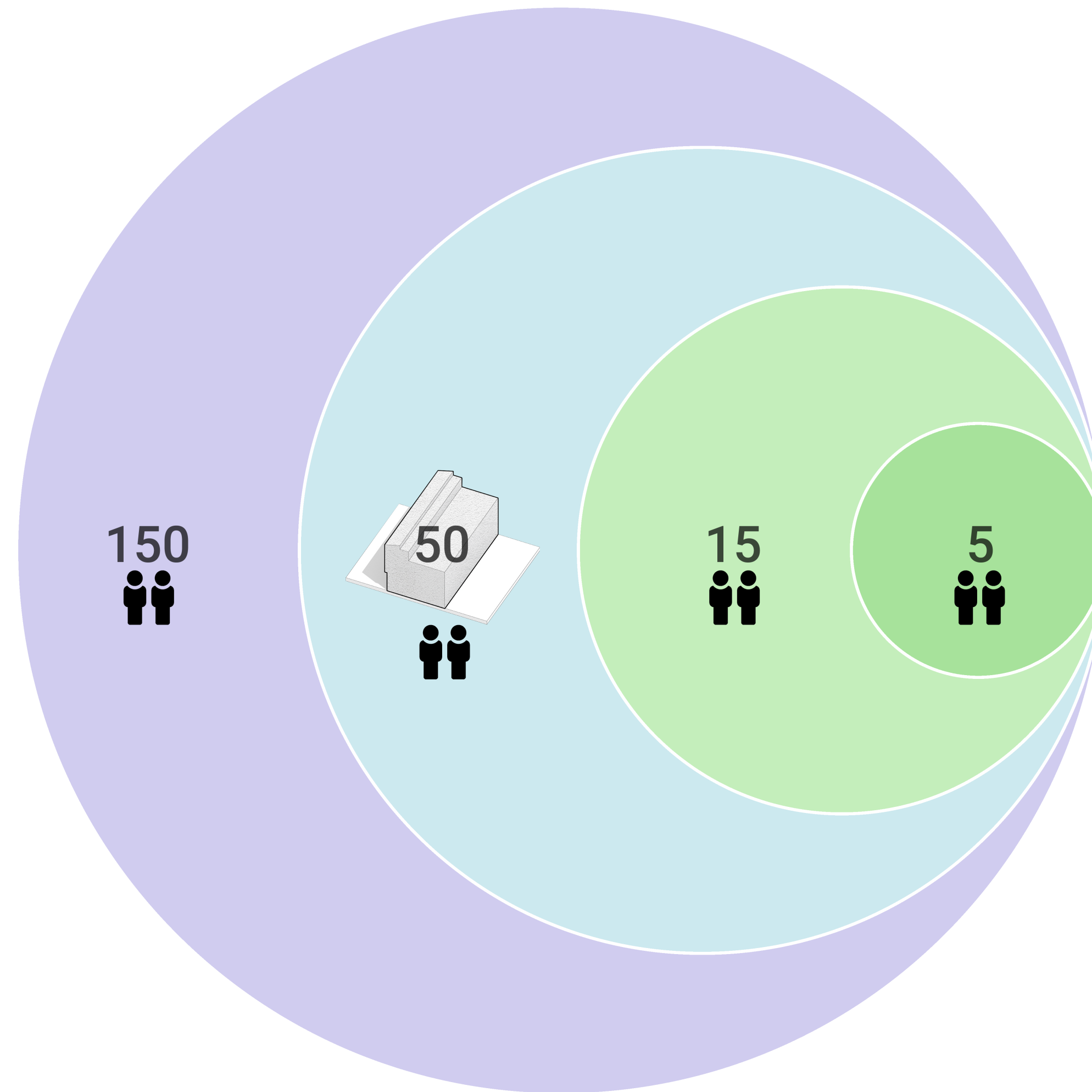


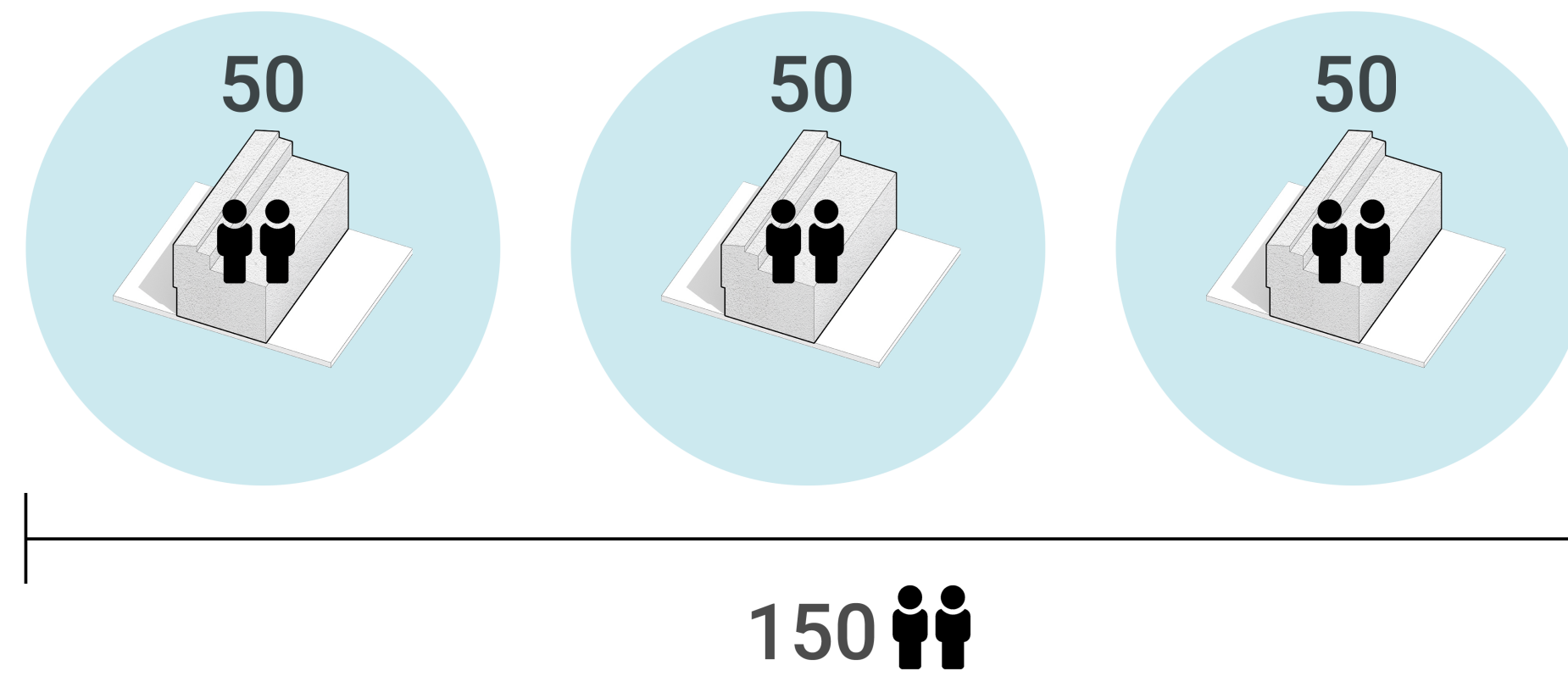
- Concrete slabs with rounded elements and circular perforations
- Rounded balconies
- Rhythm

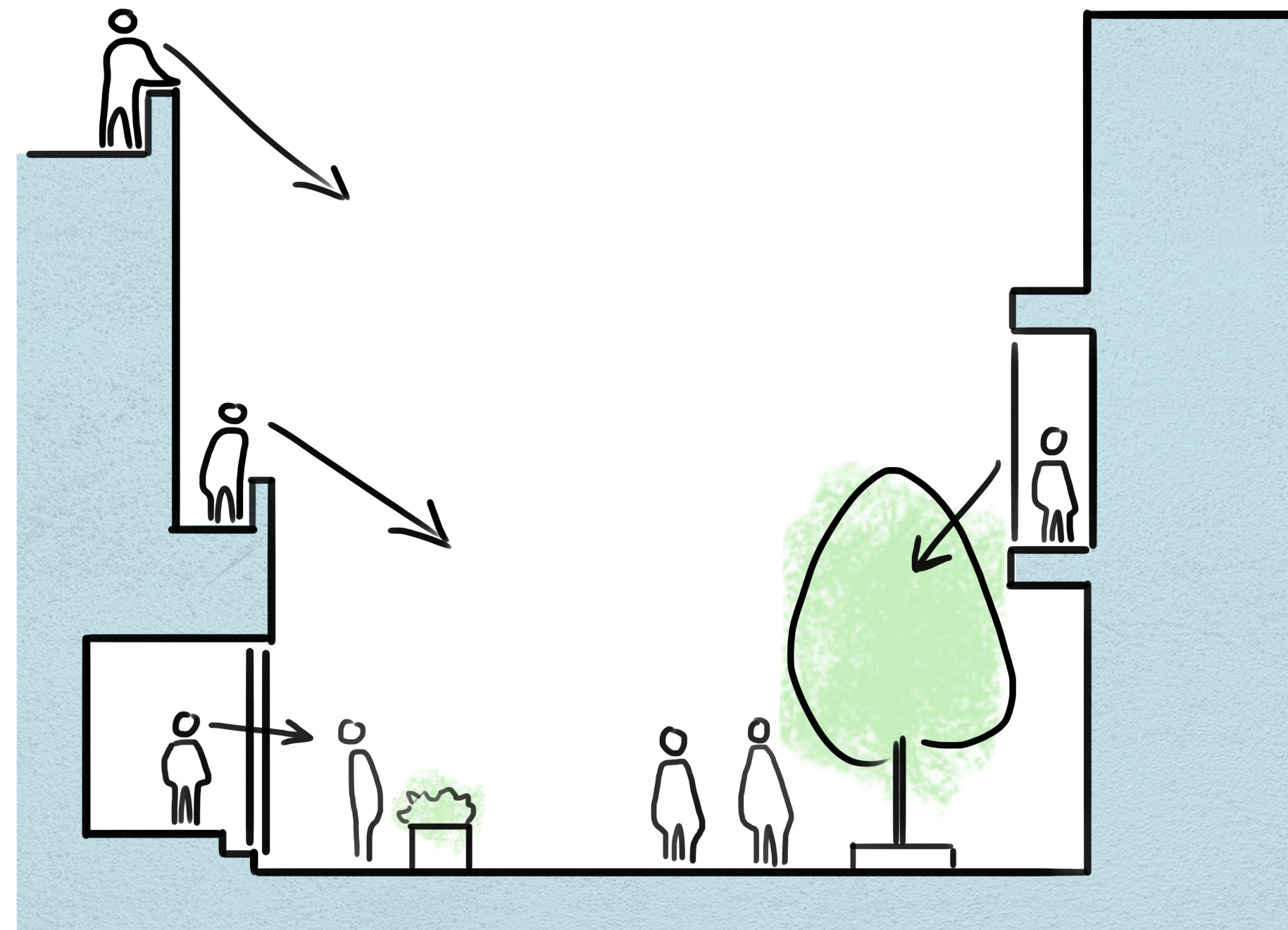
Rarity values

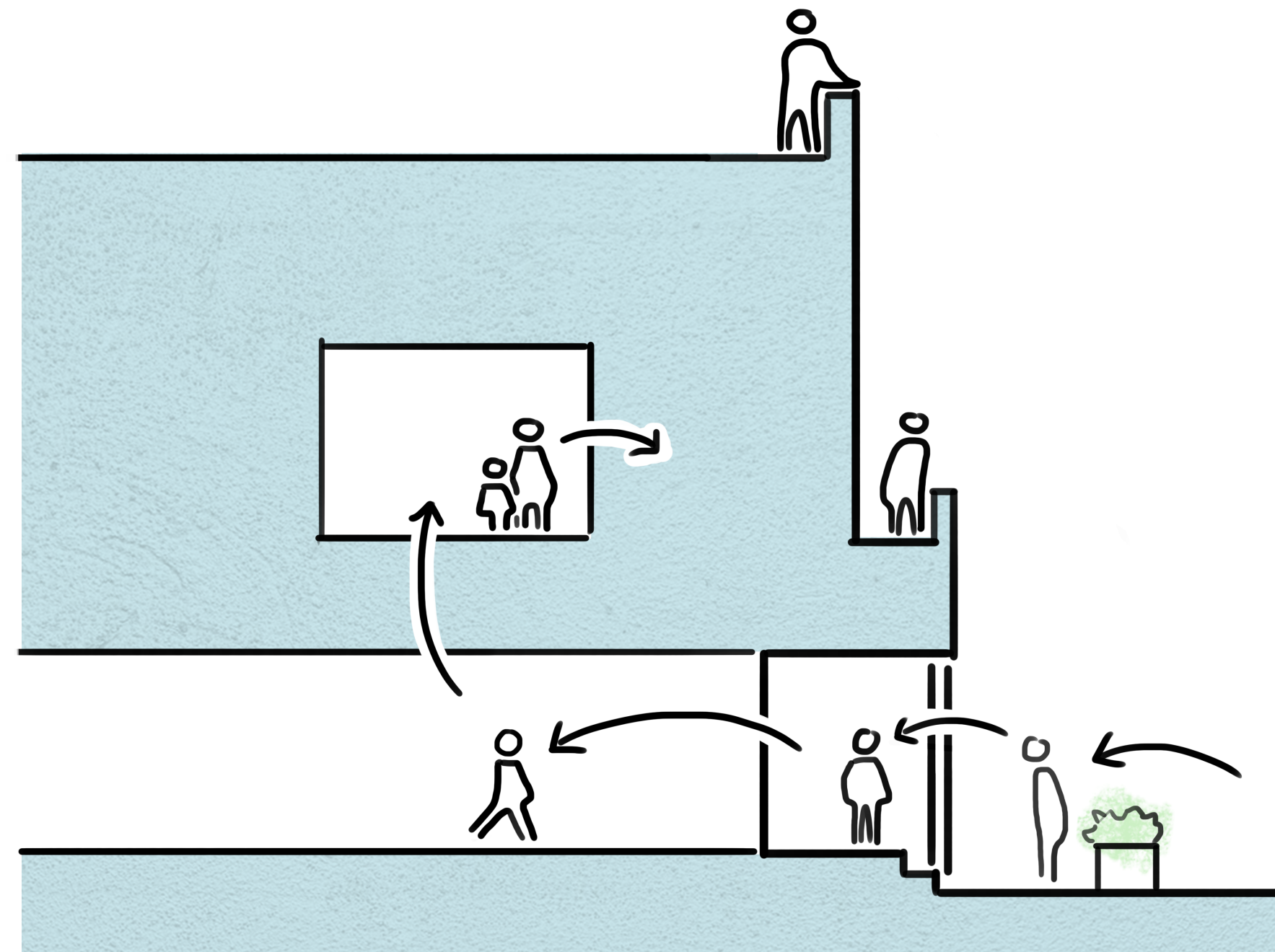


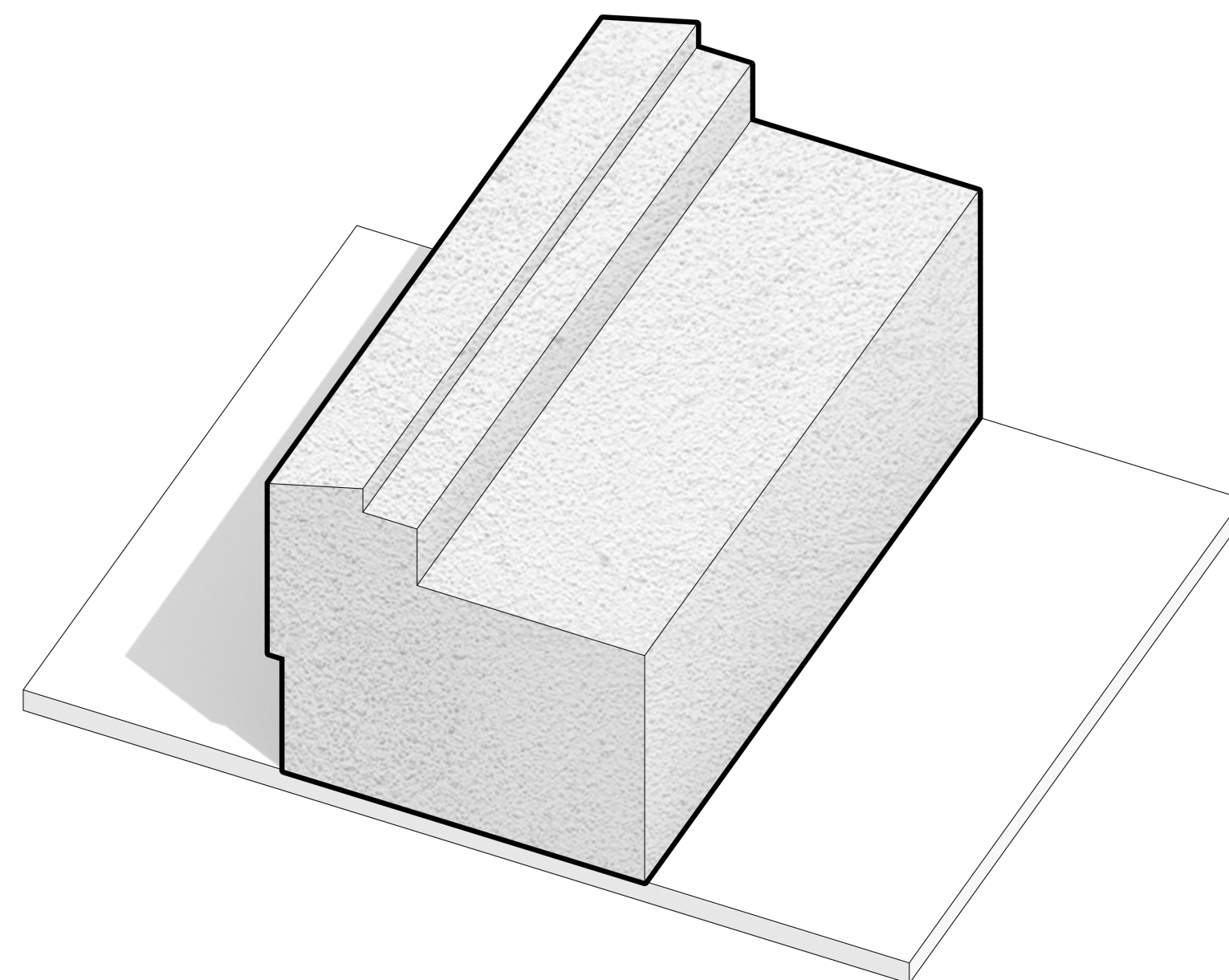
- One of the first projects Sjoerd Soeters worked on
- Three-hundred-meter long building

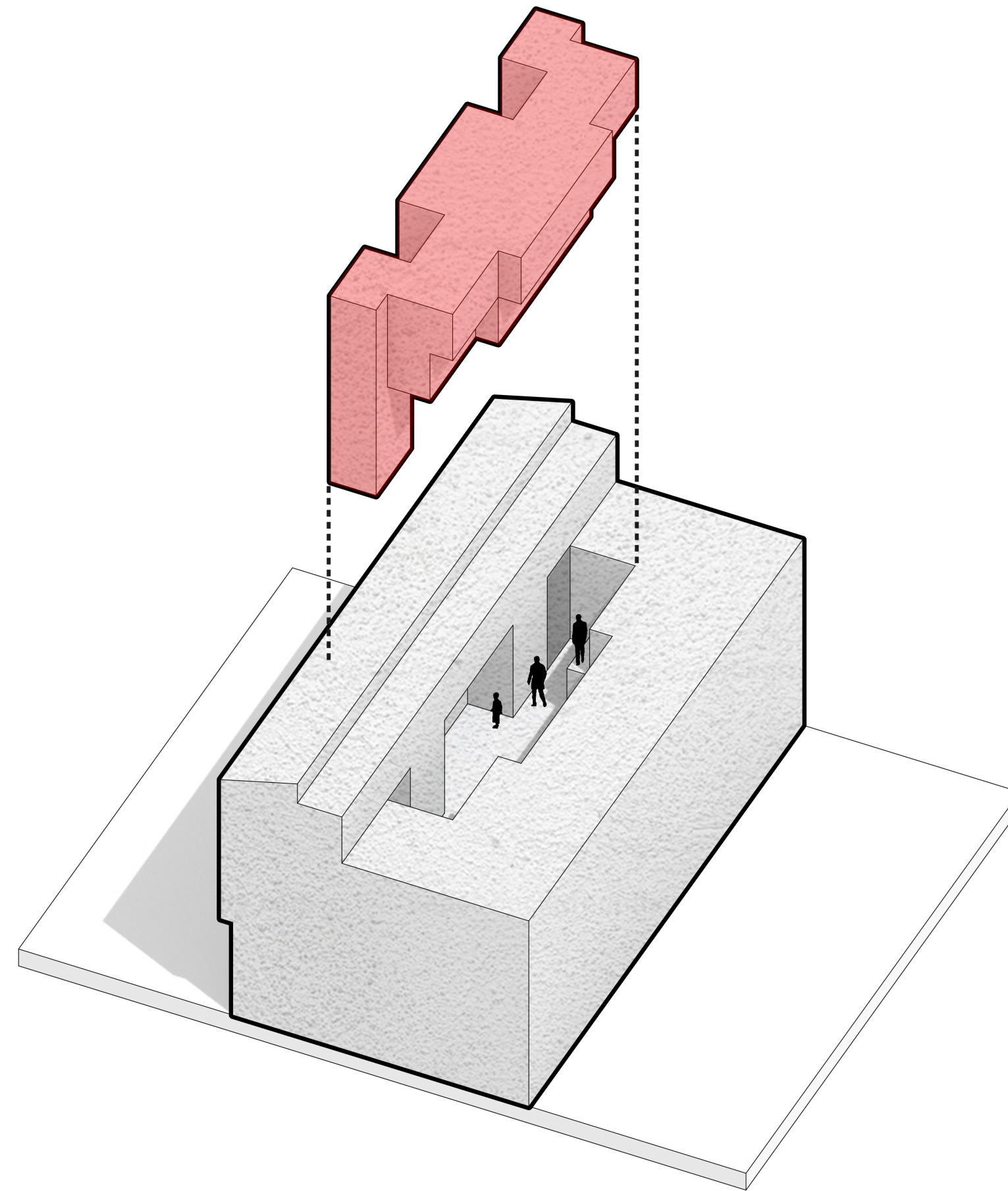


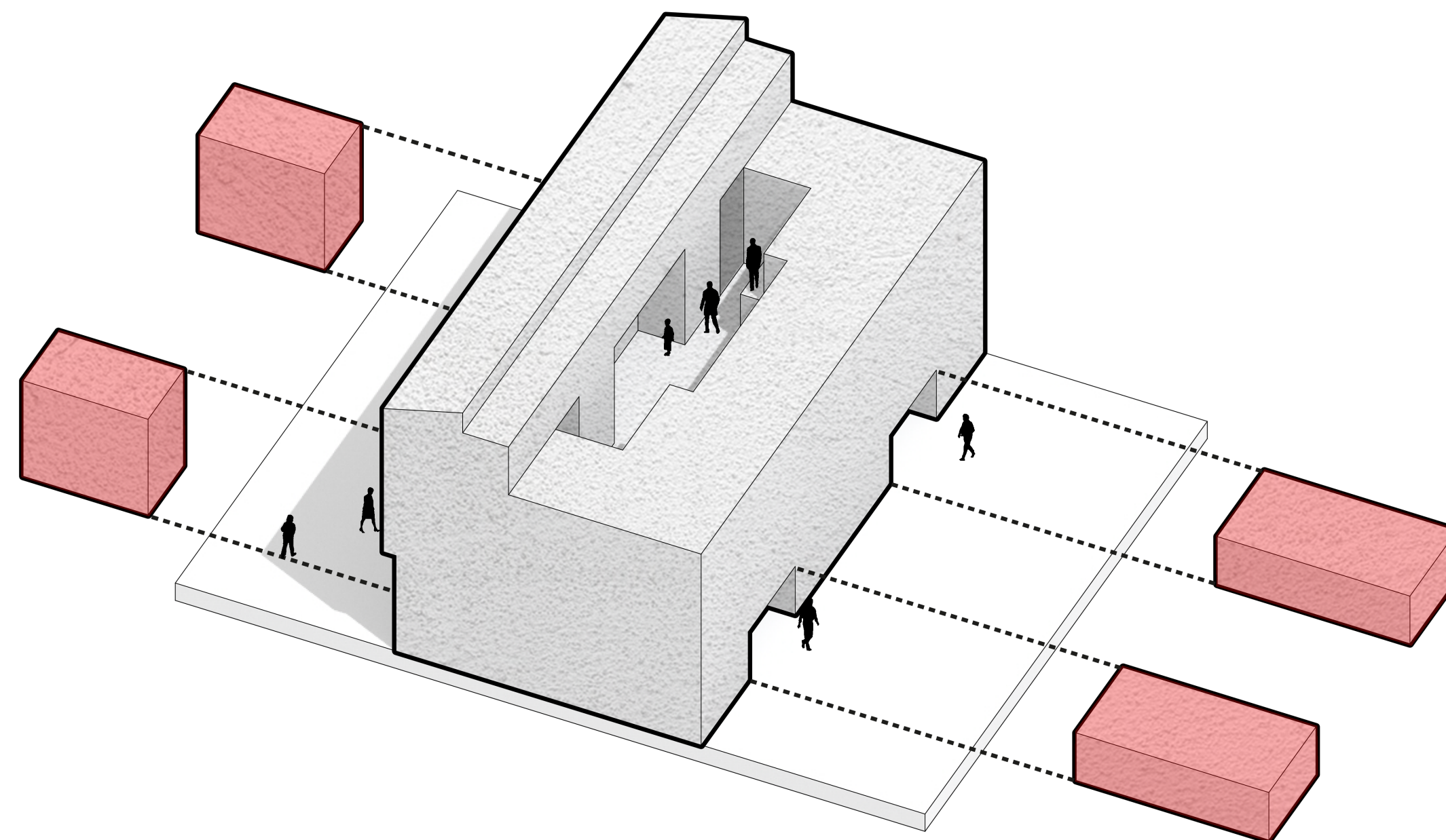


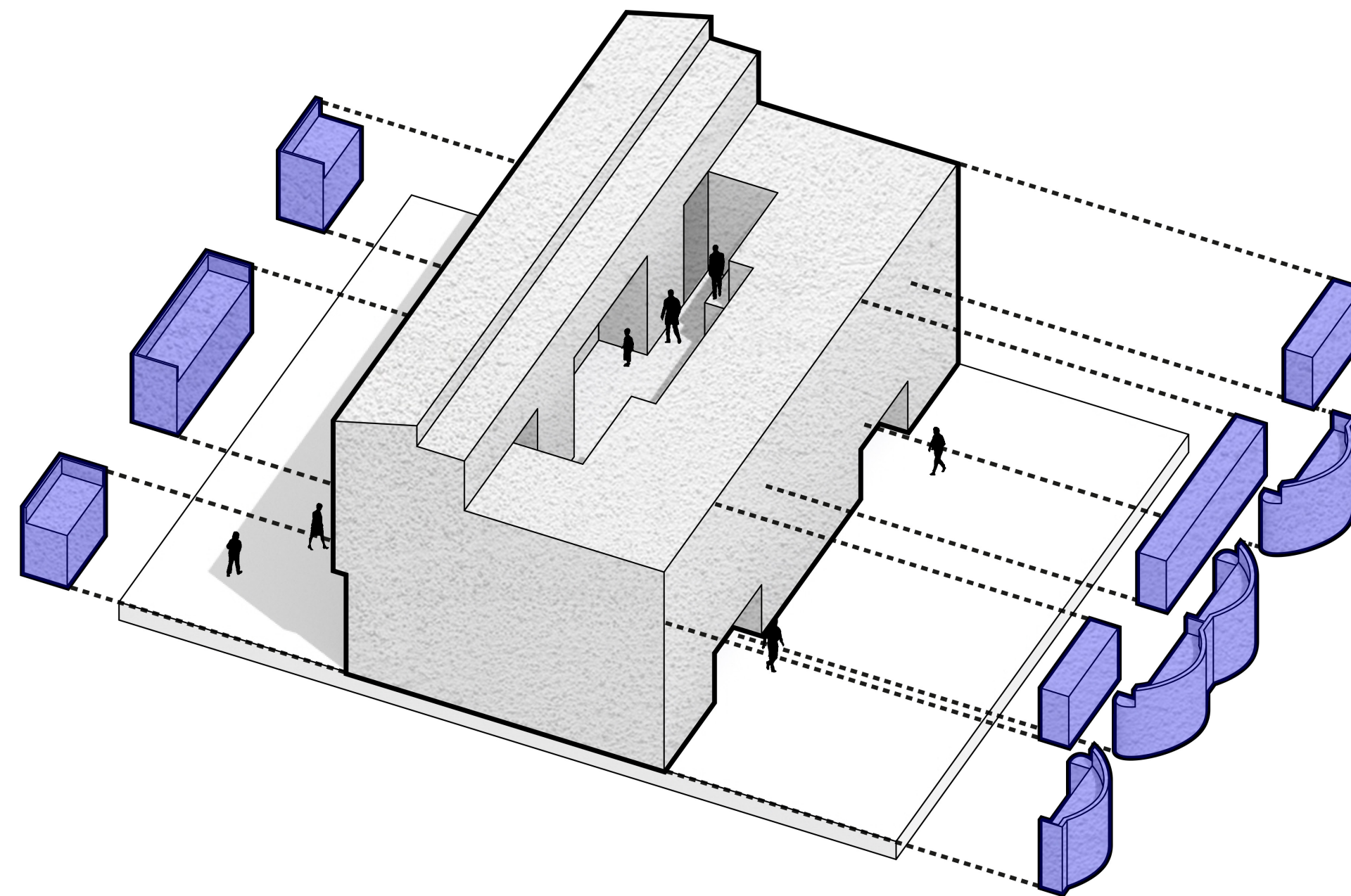


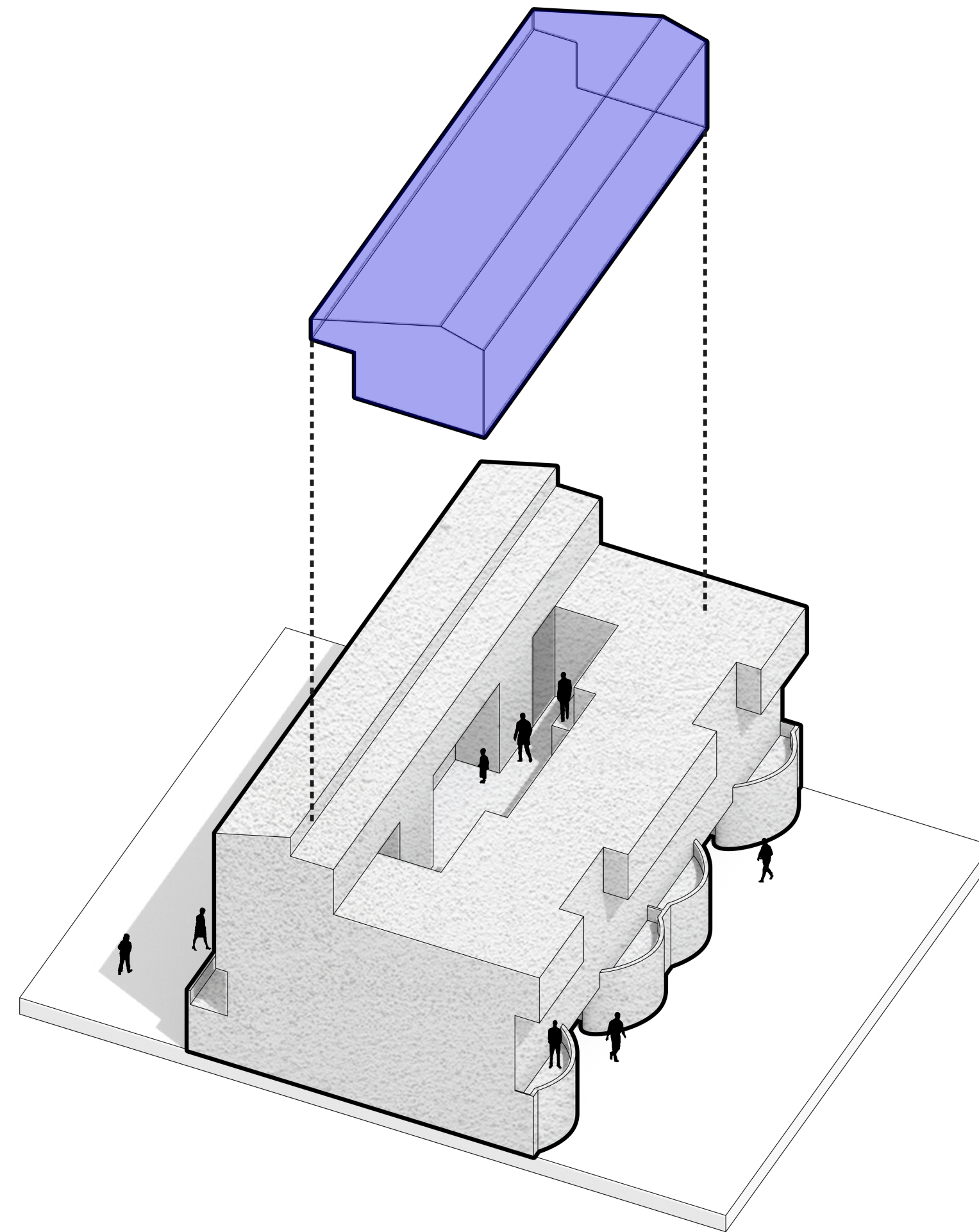


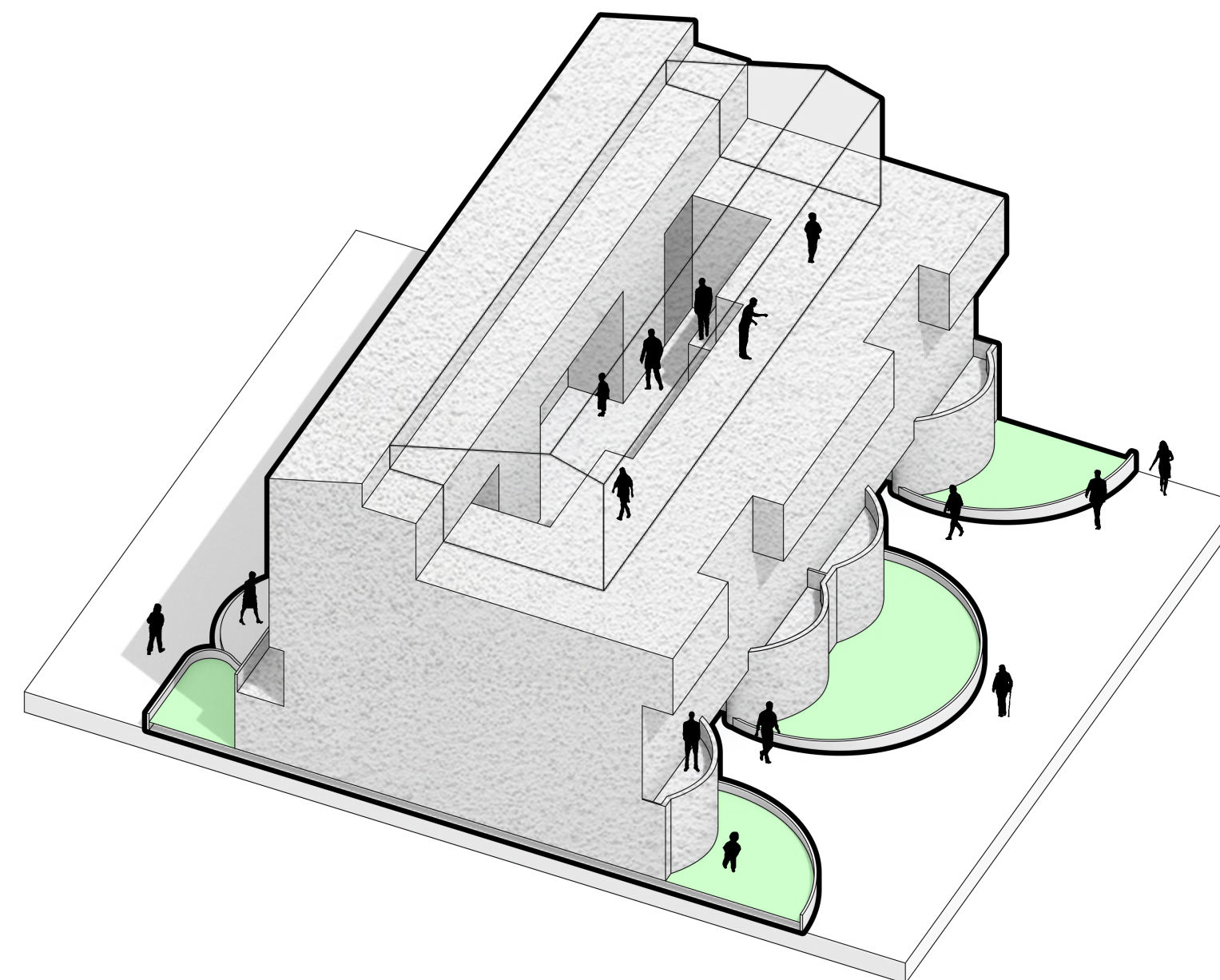




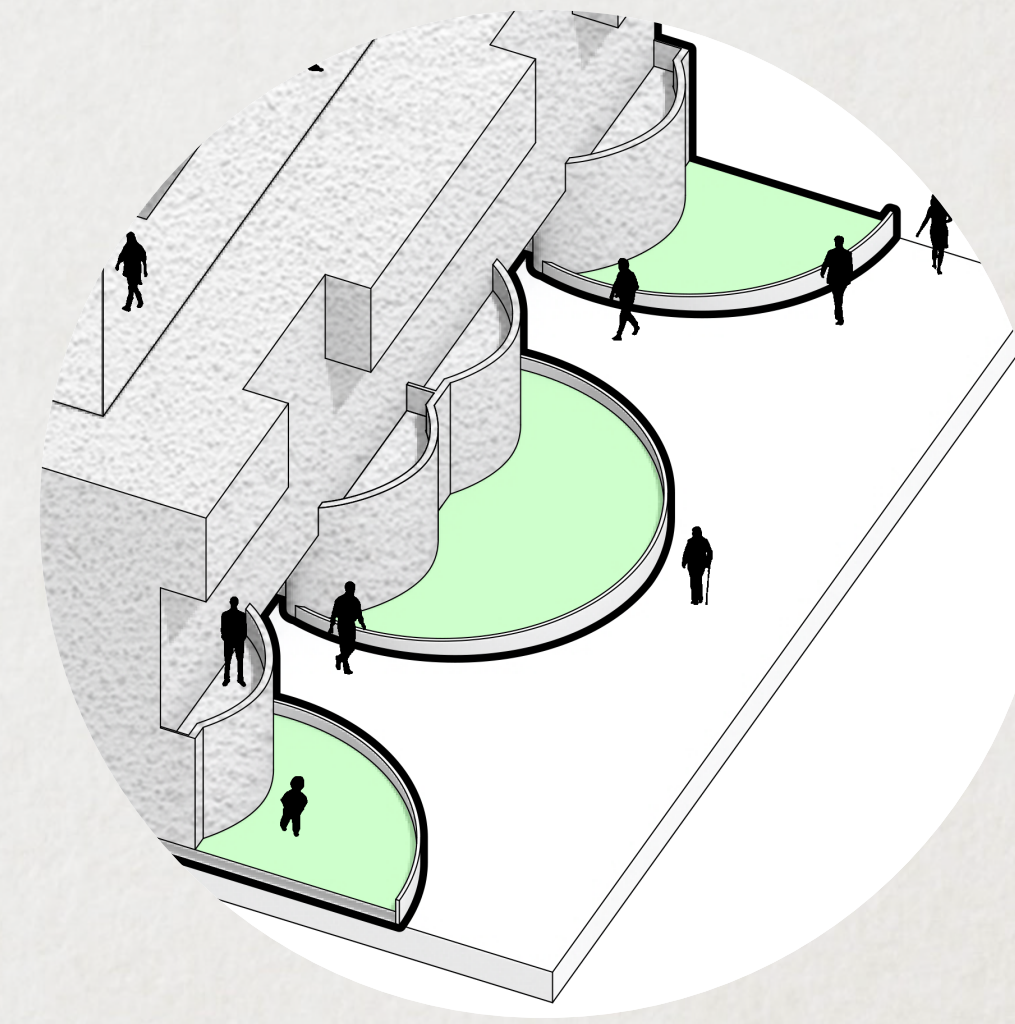
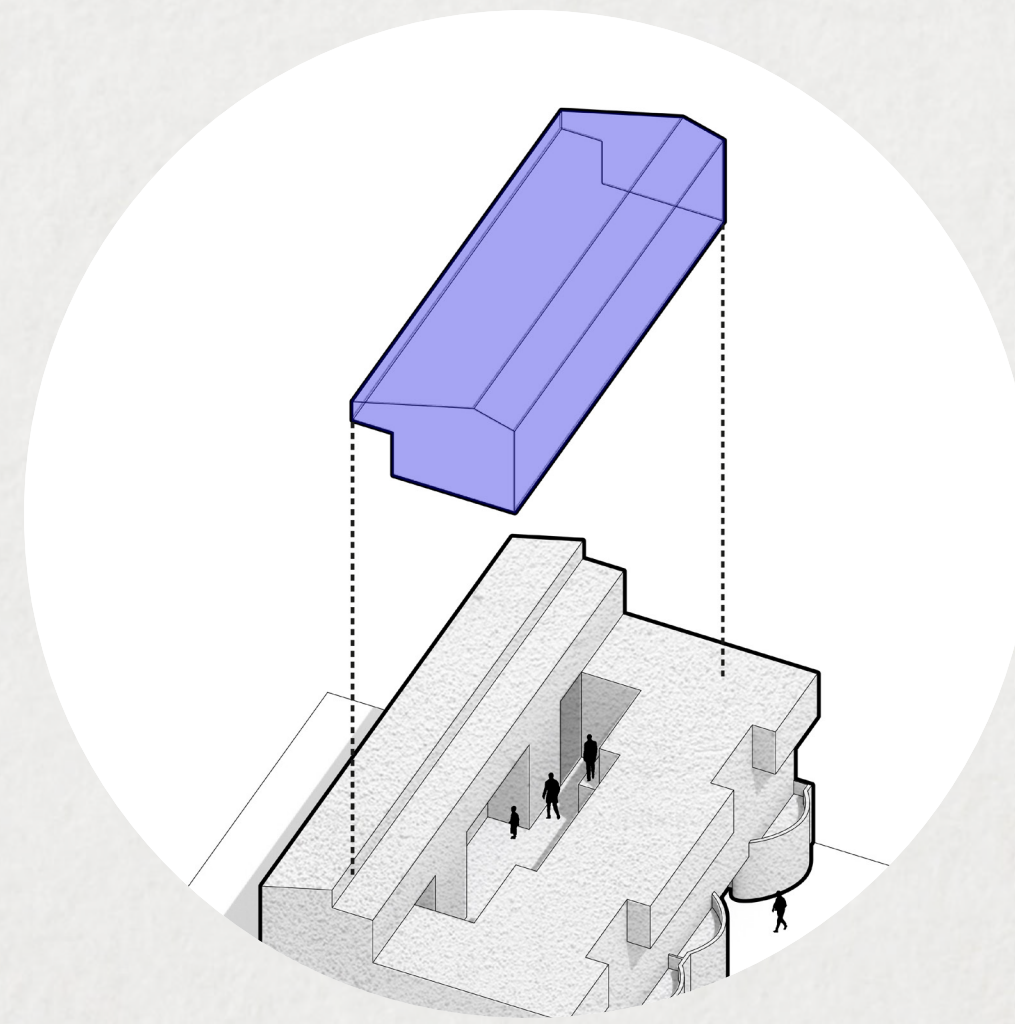
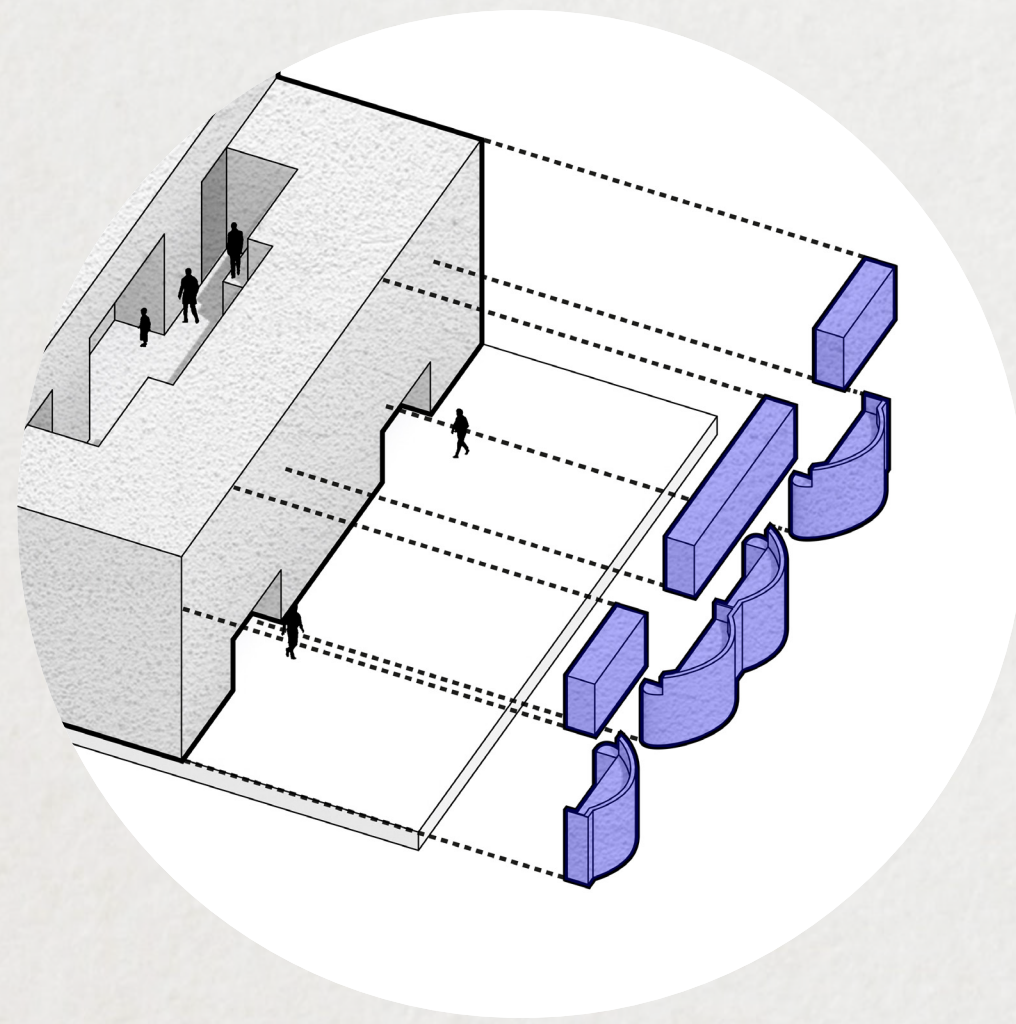
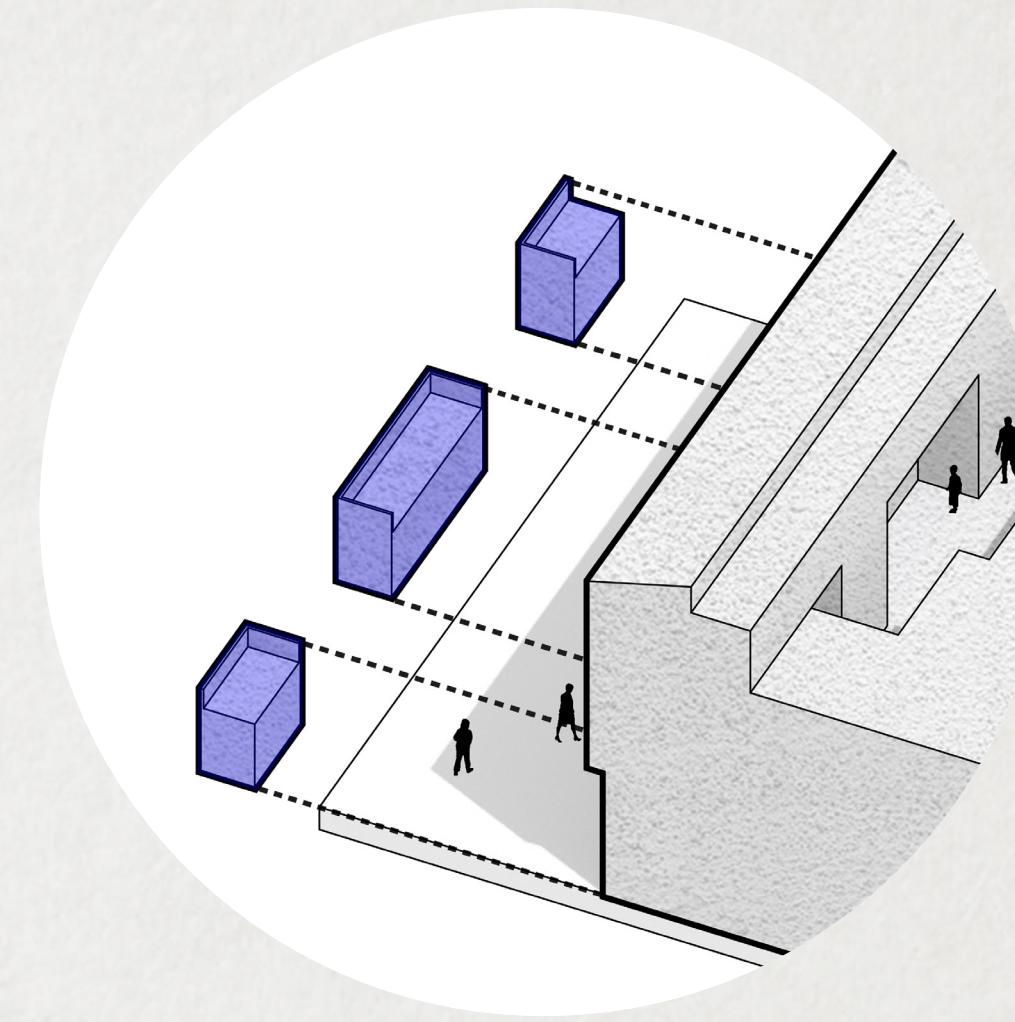
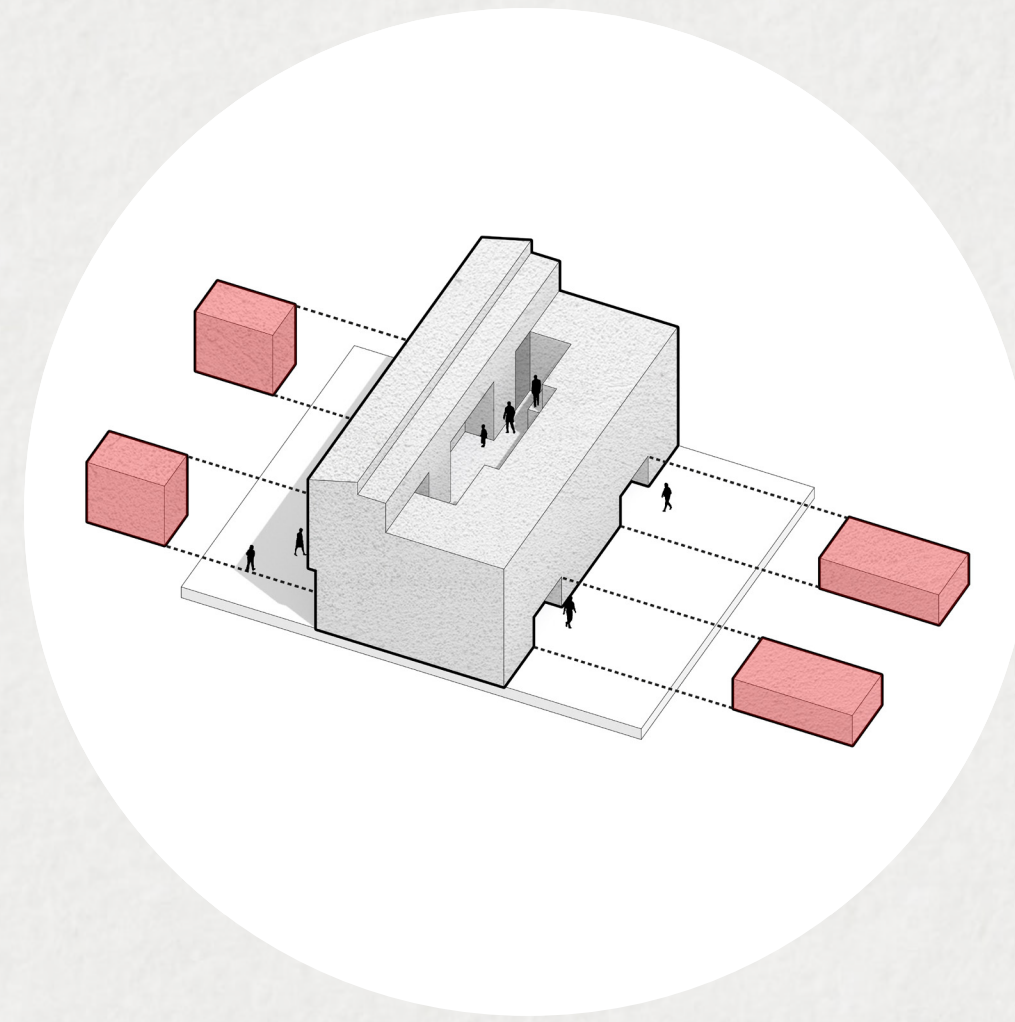
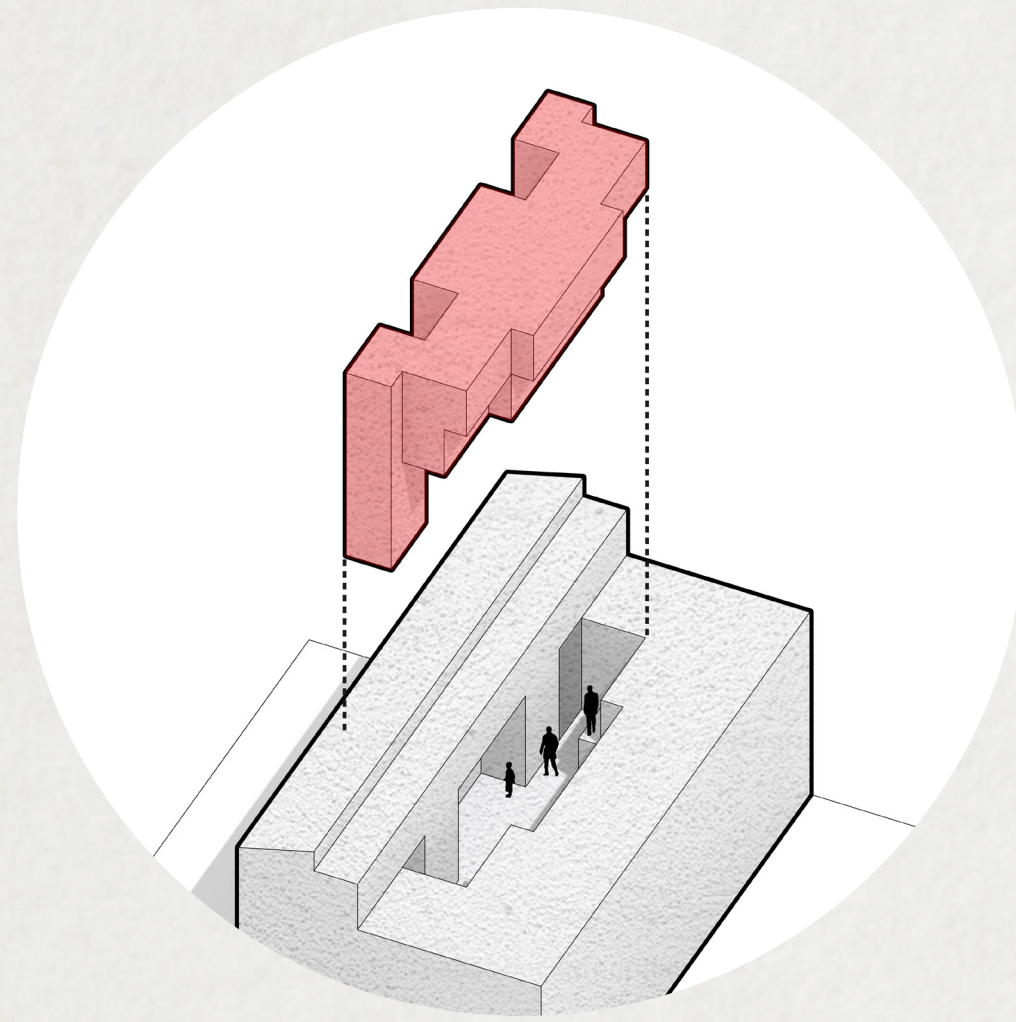




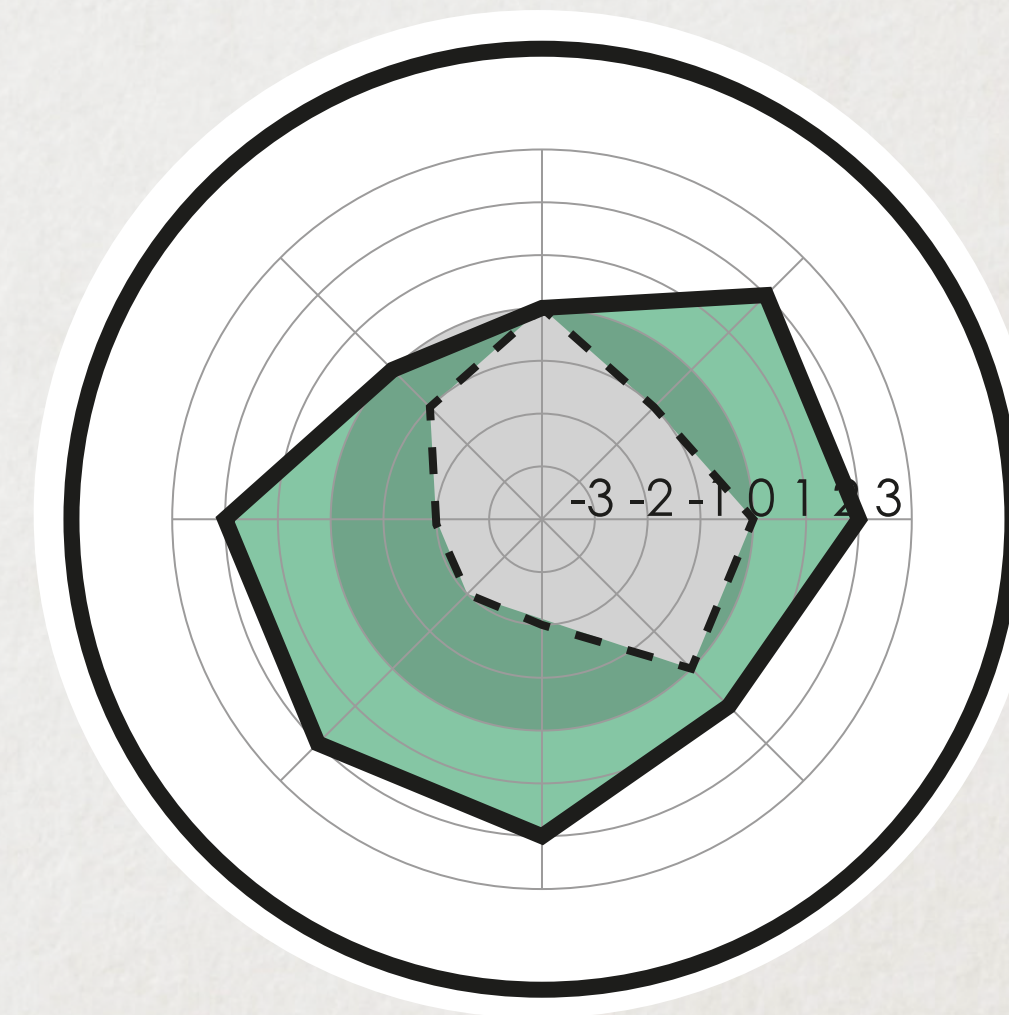
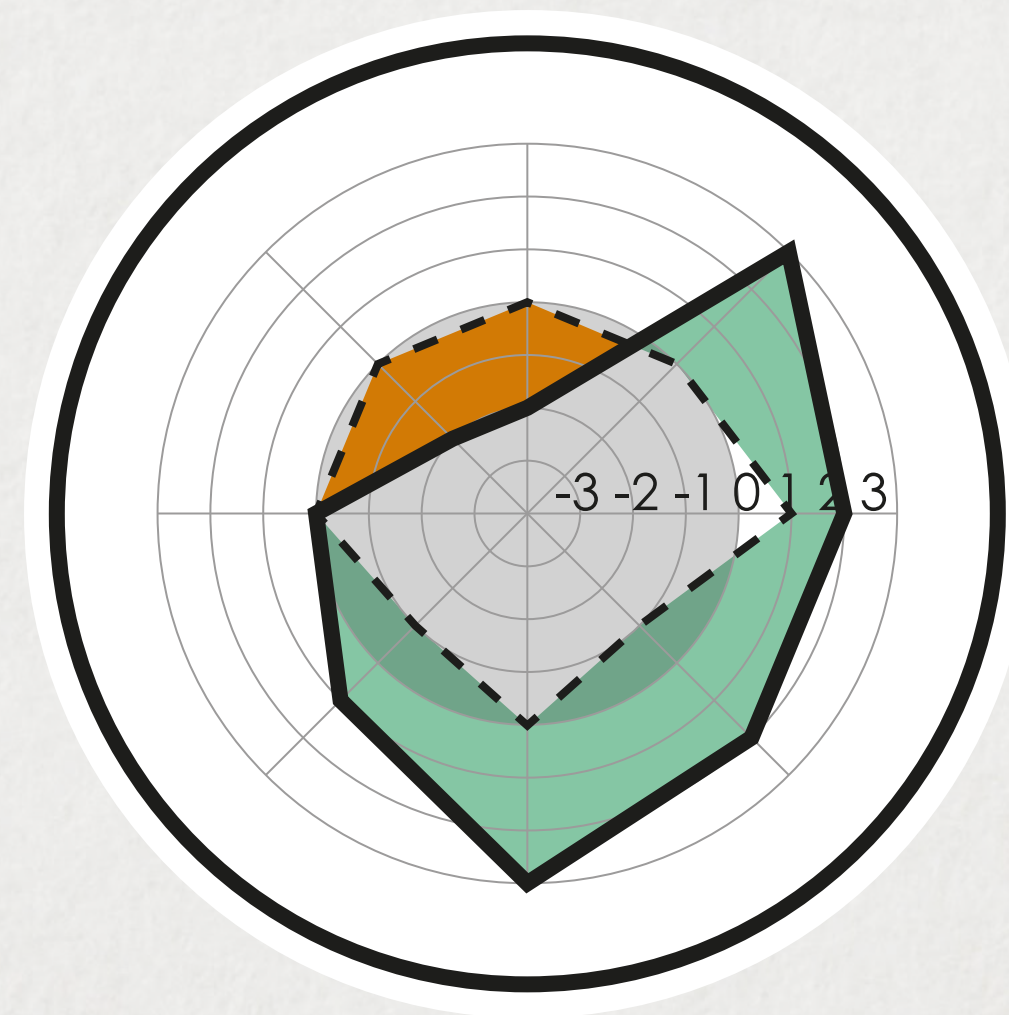
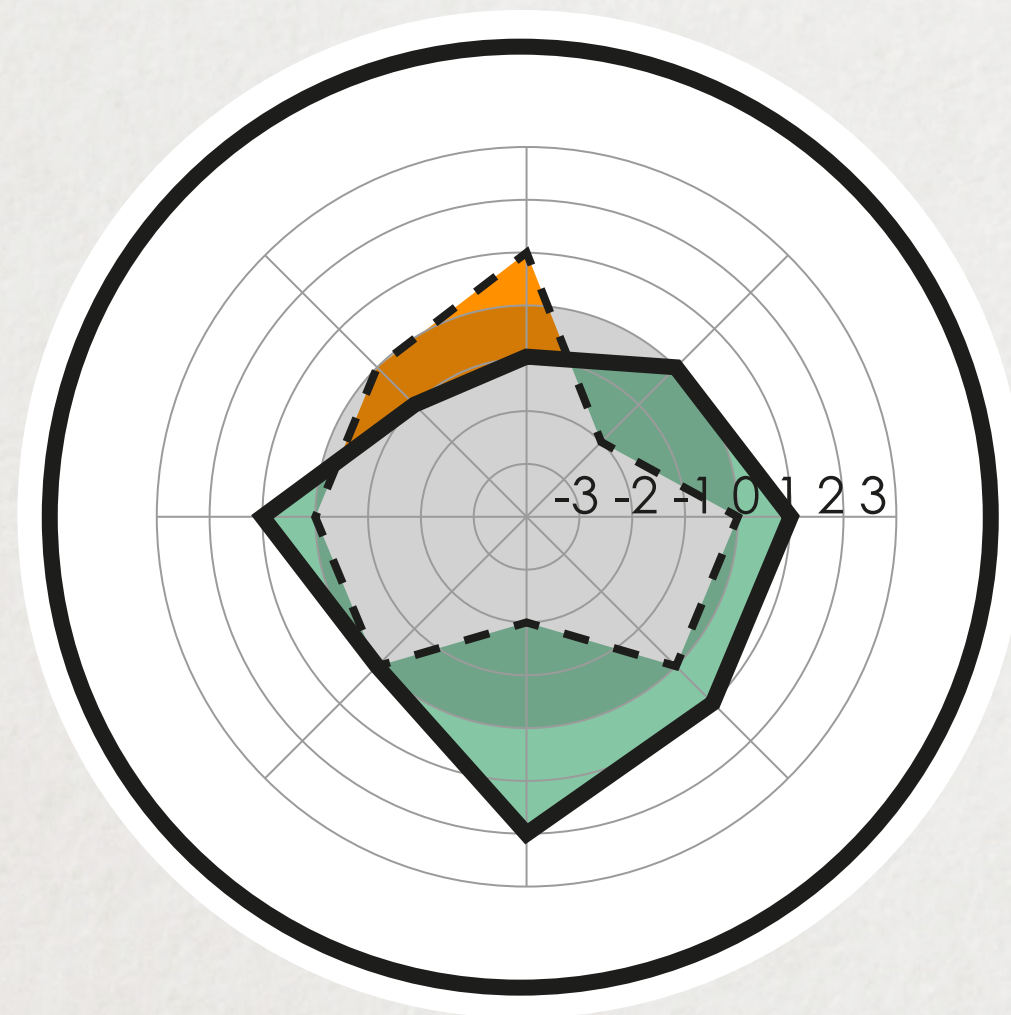
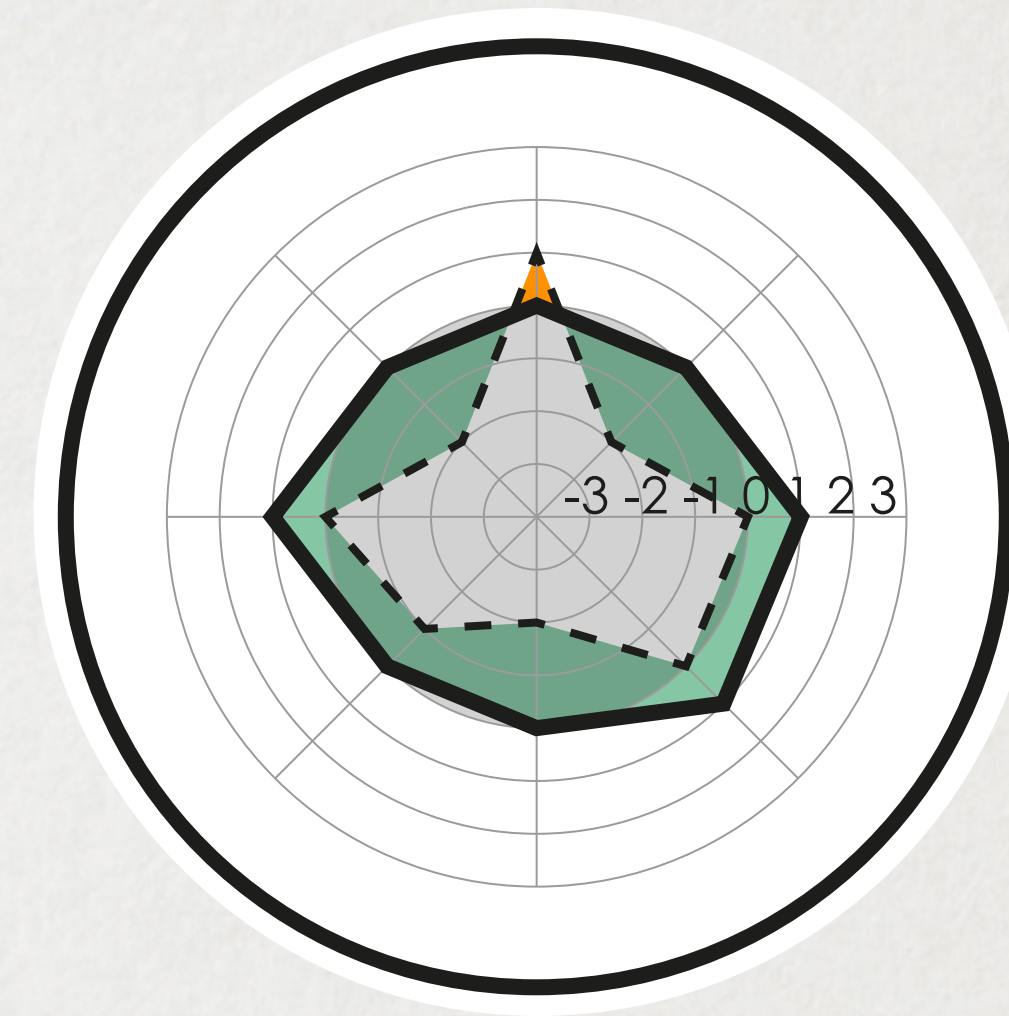
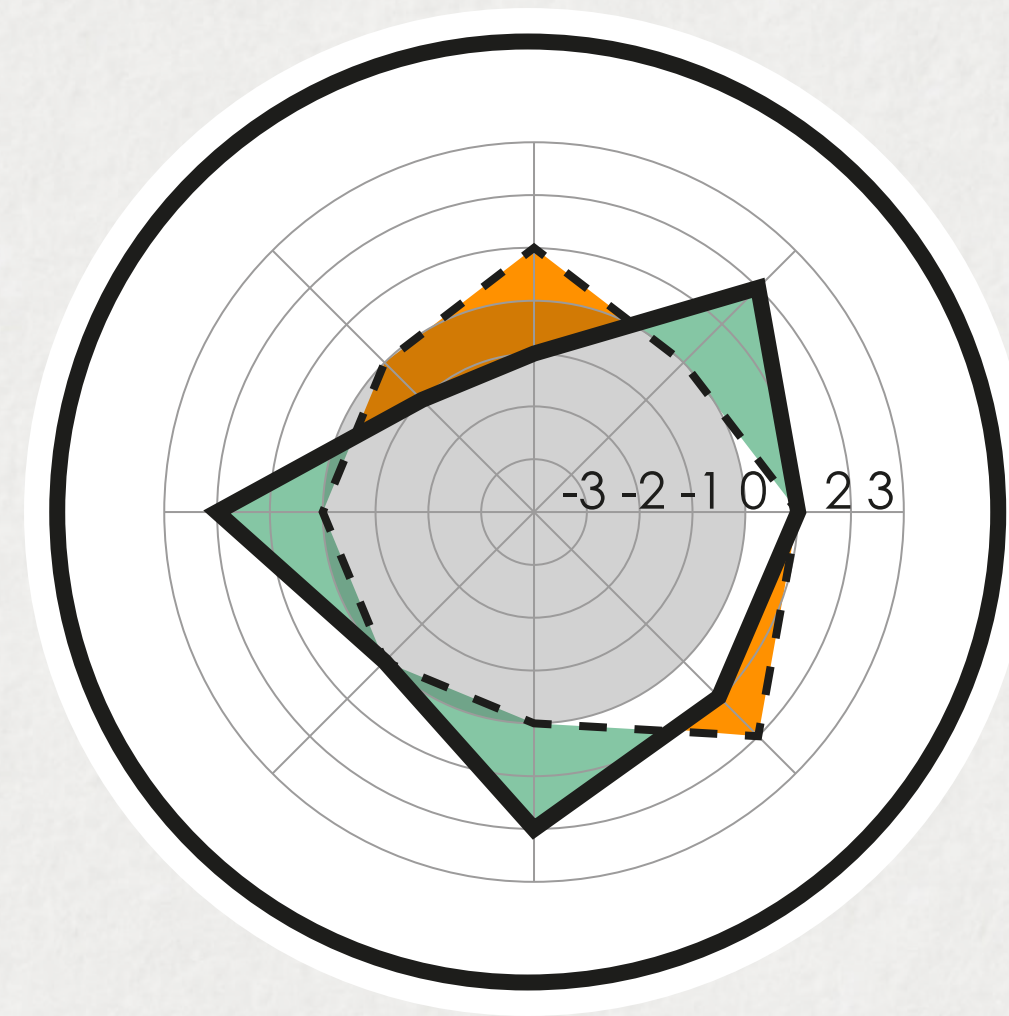
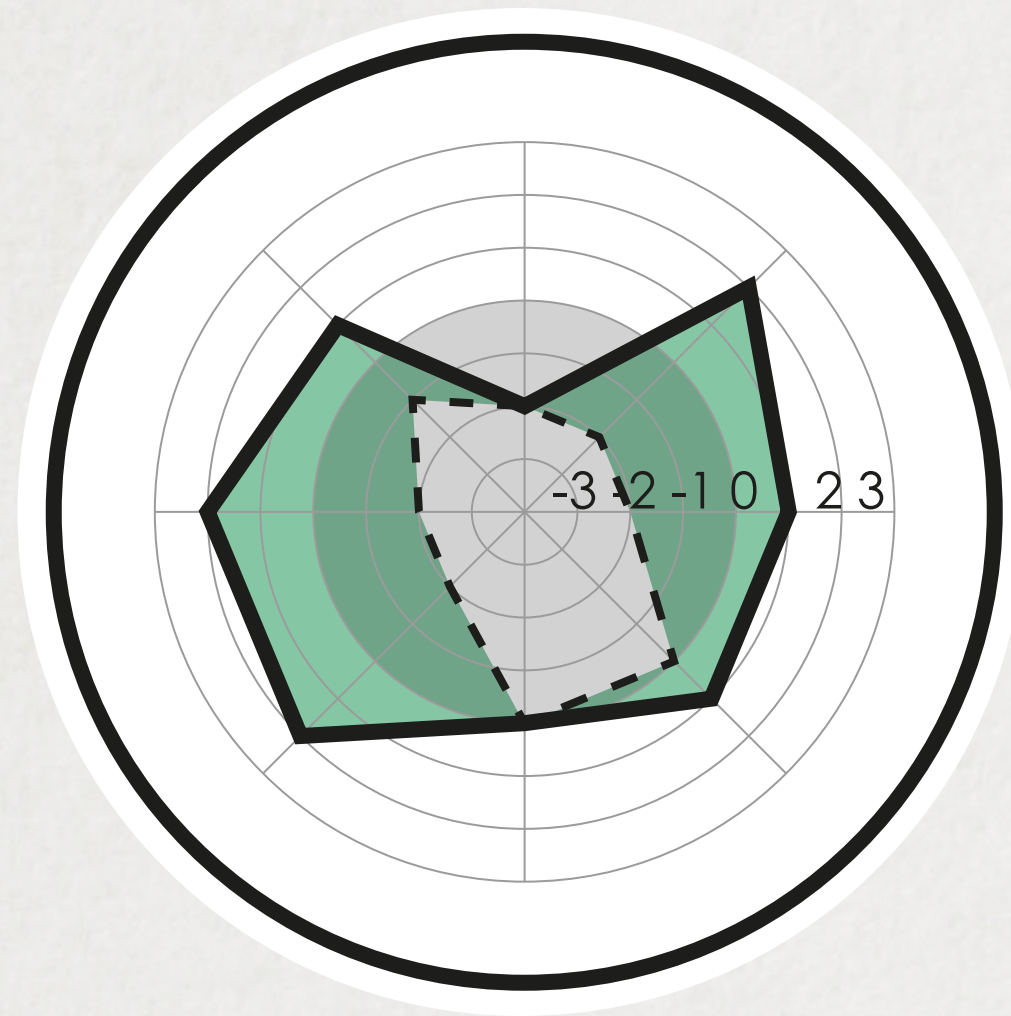




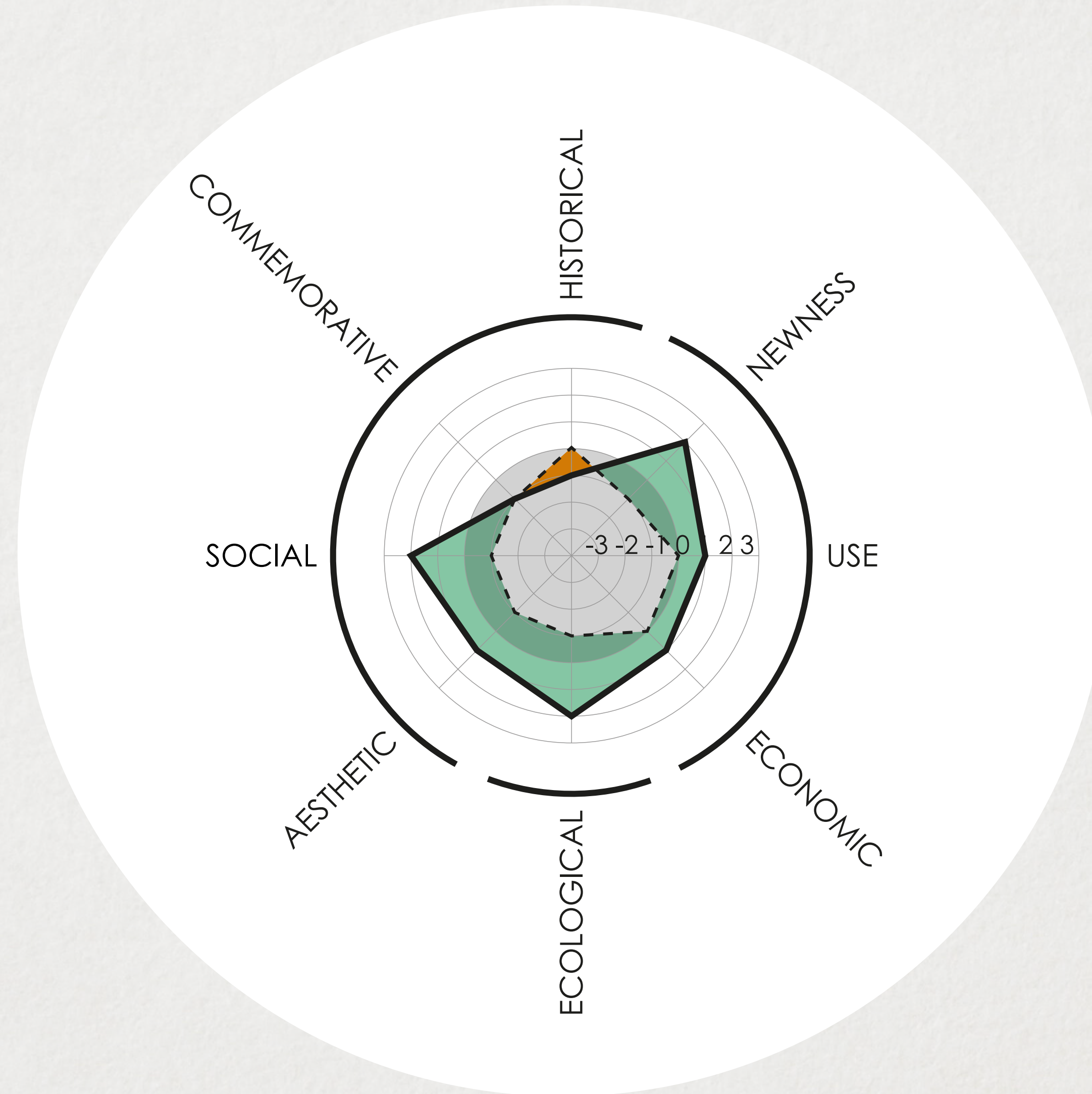
Six interventions



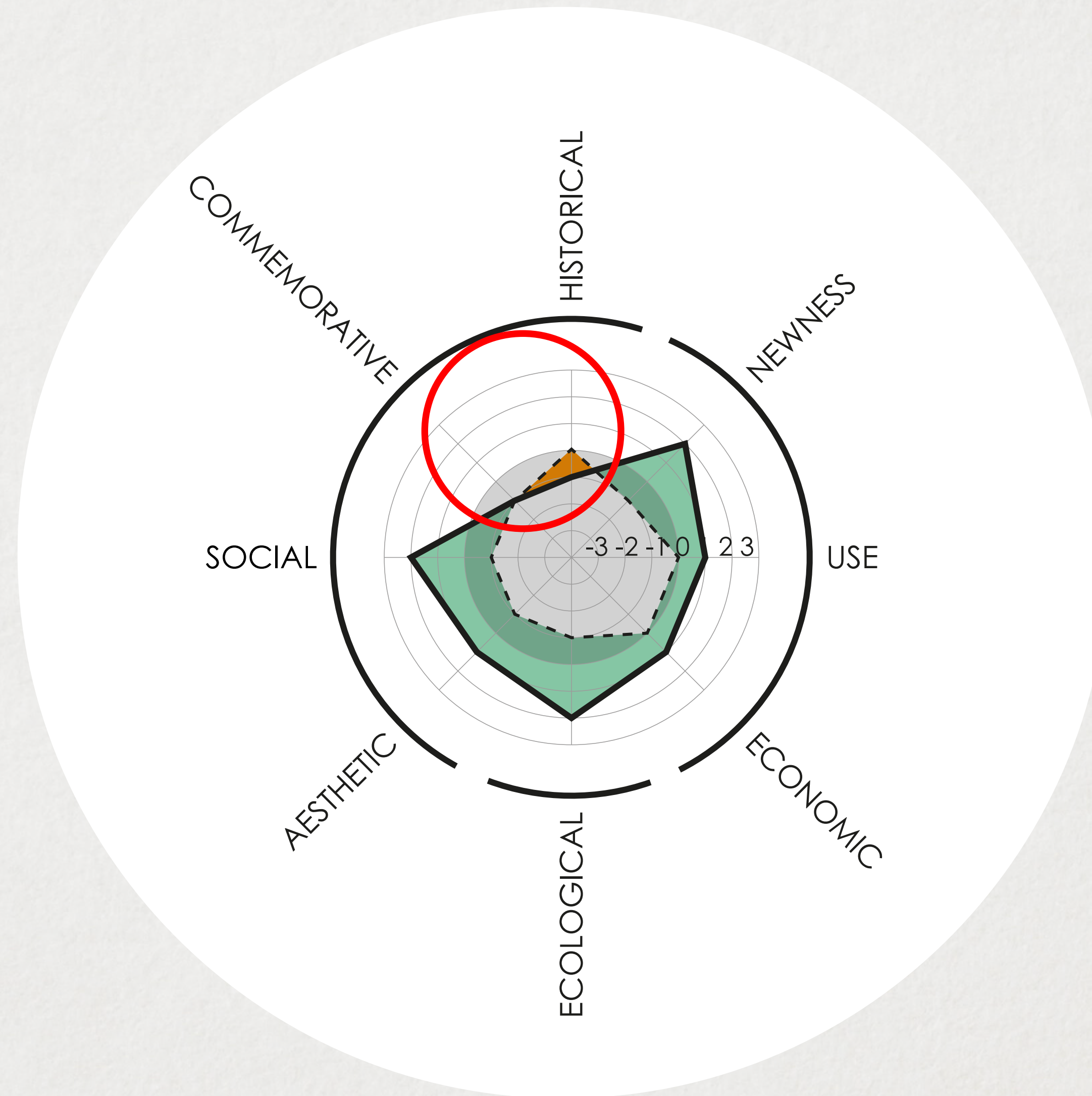
Impact assessment of the interventions

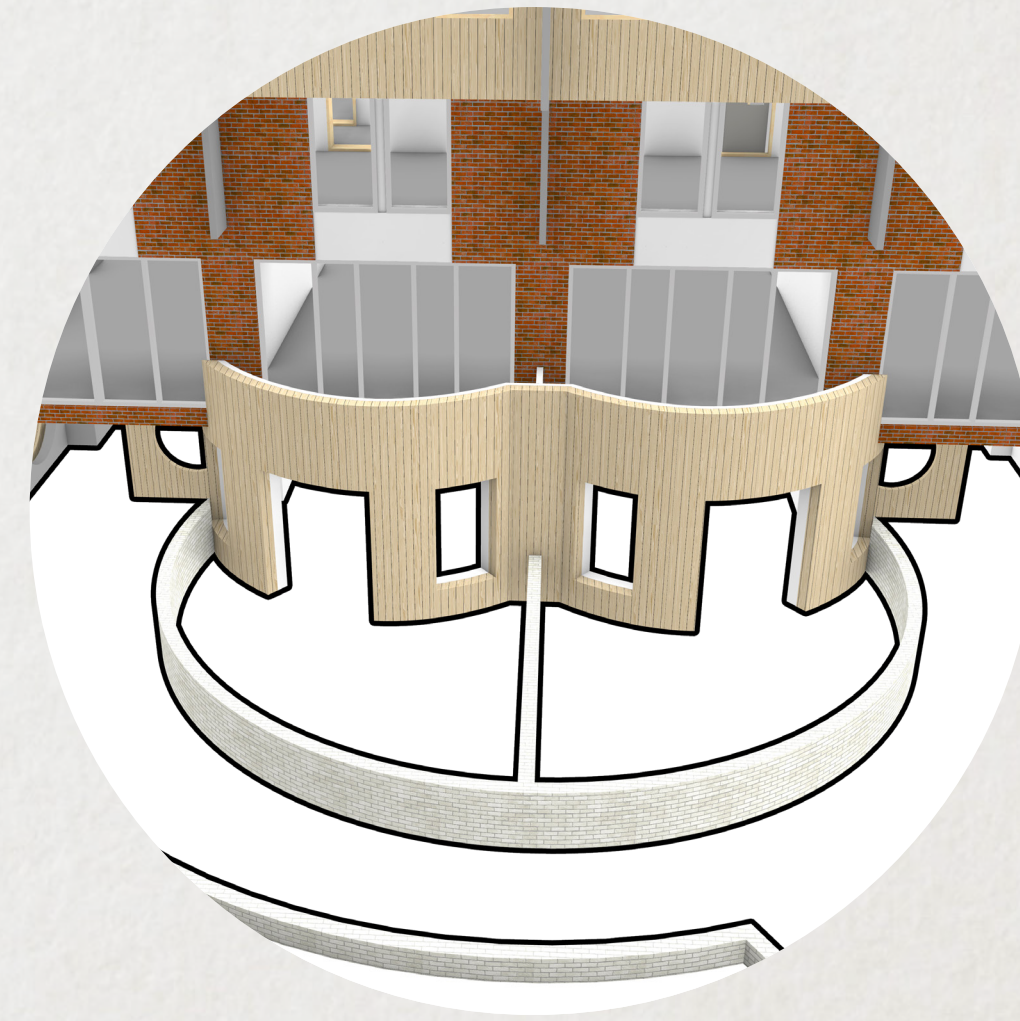
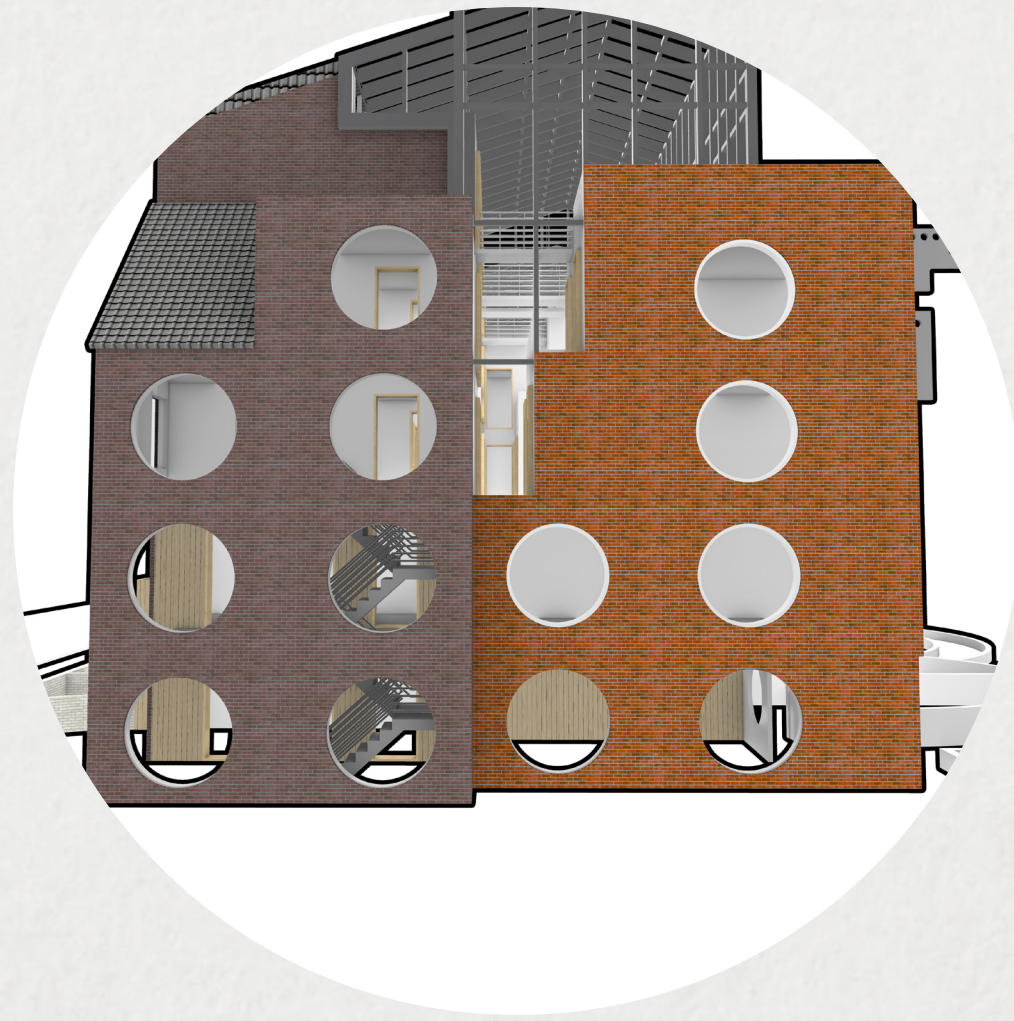
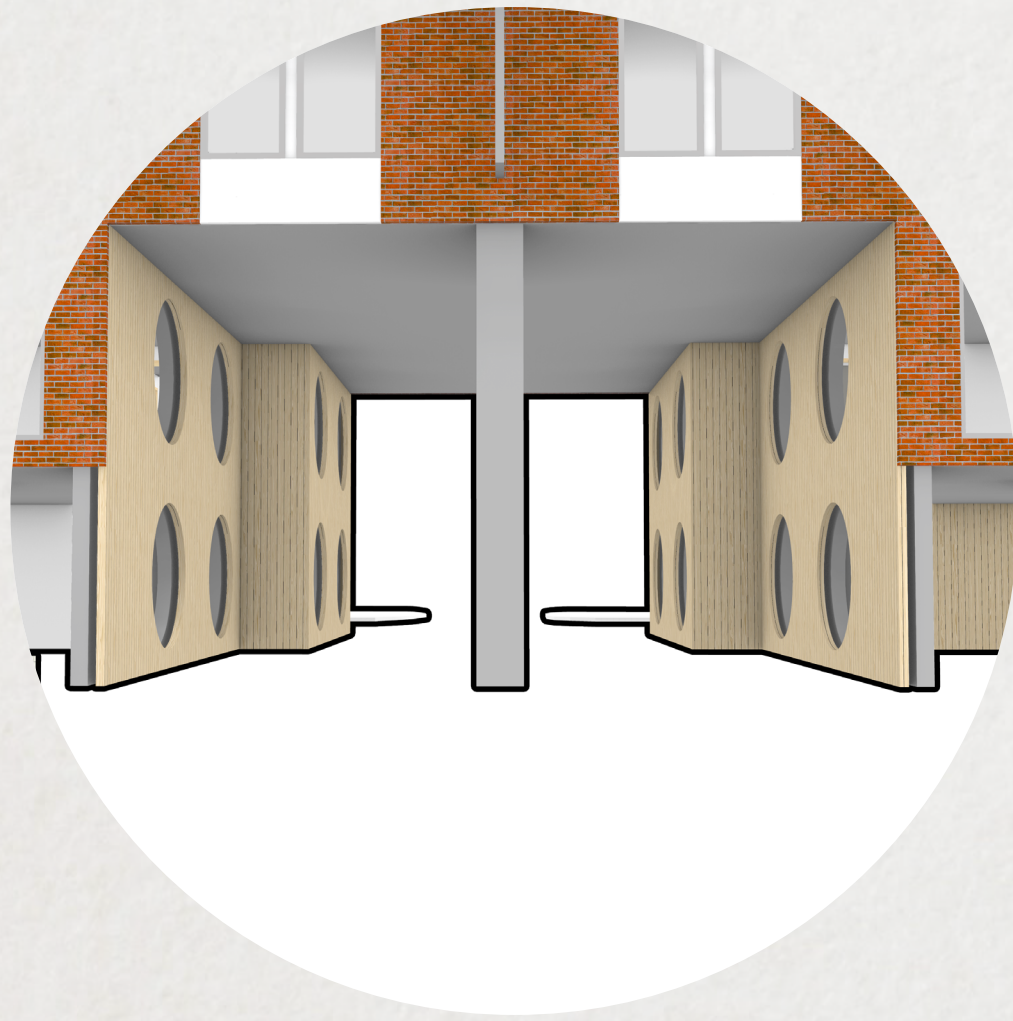


Overall impact assessment



Overall impact assessment





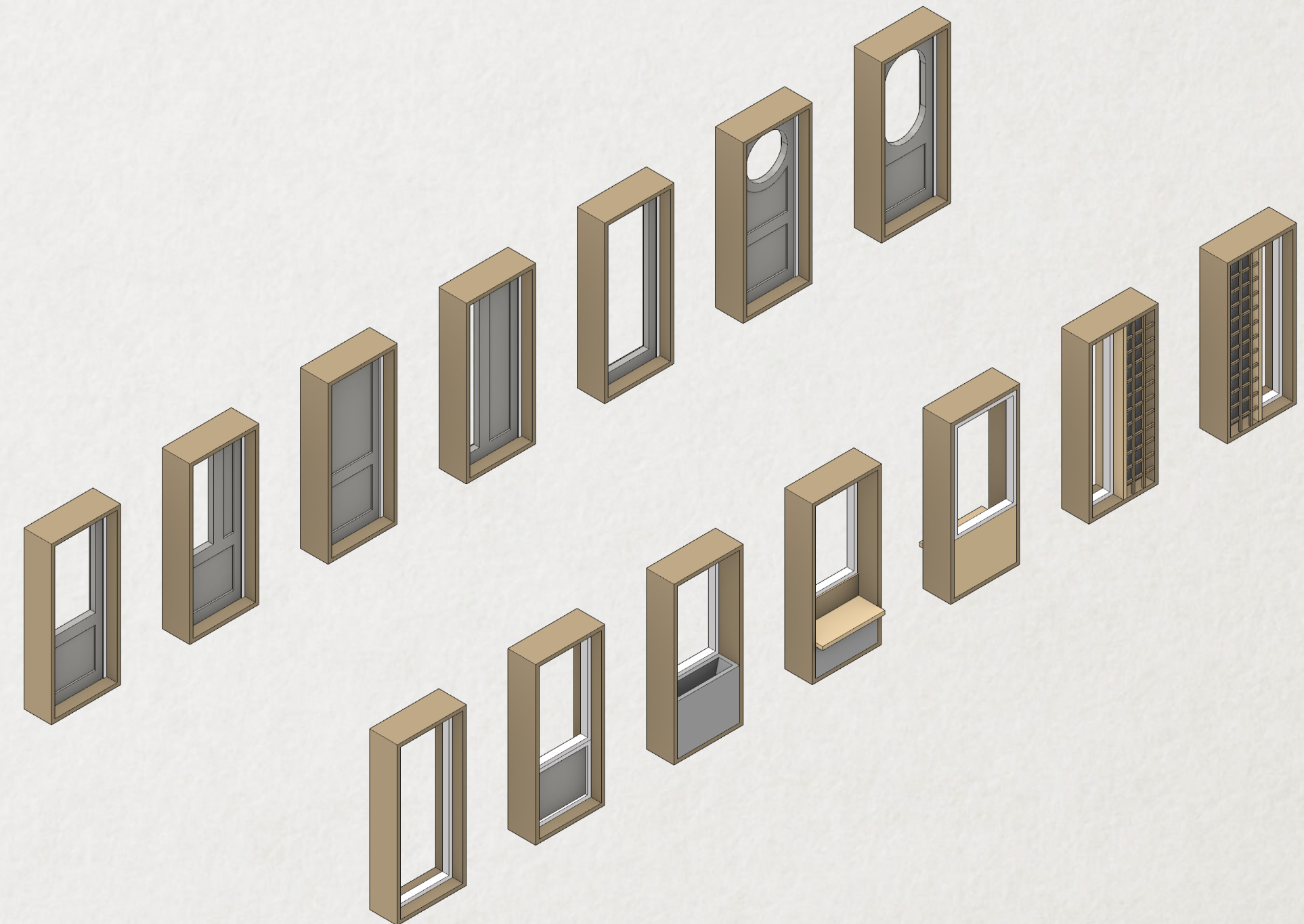
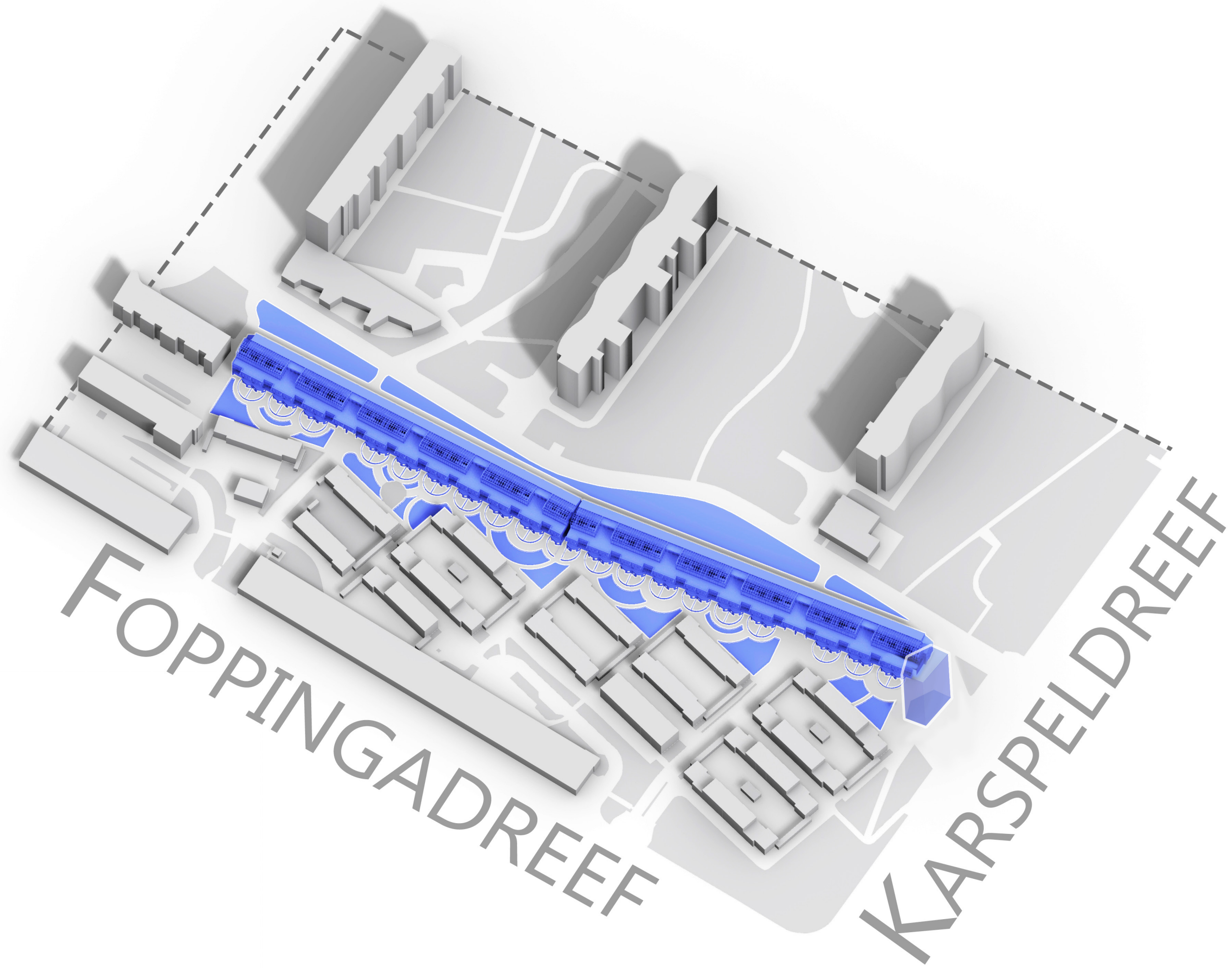
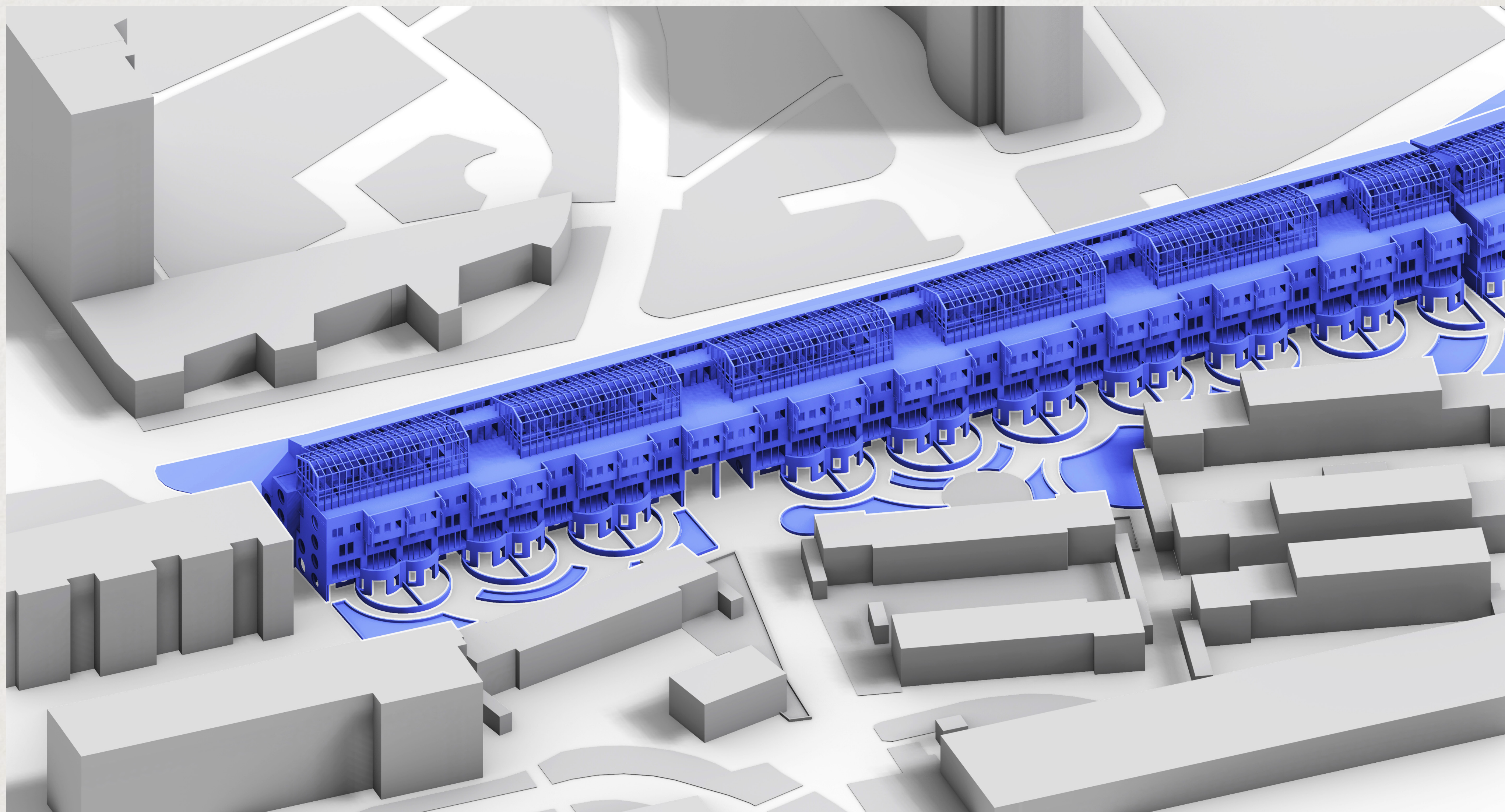
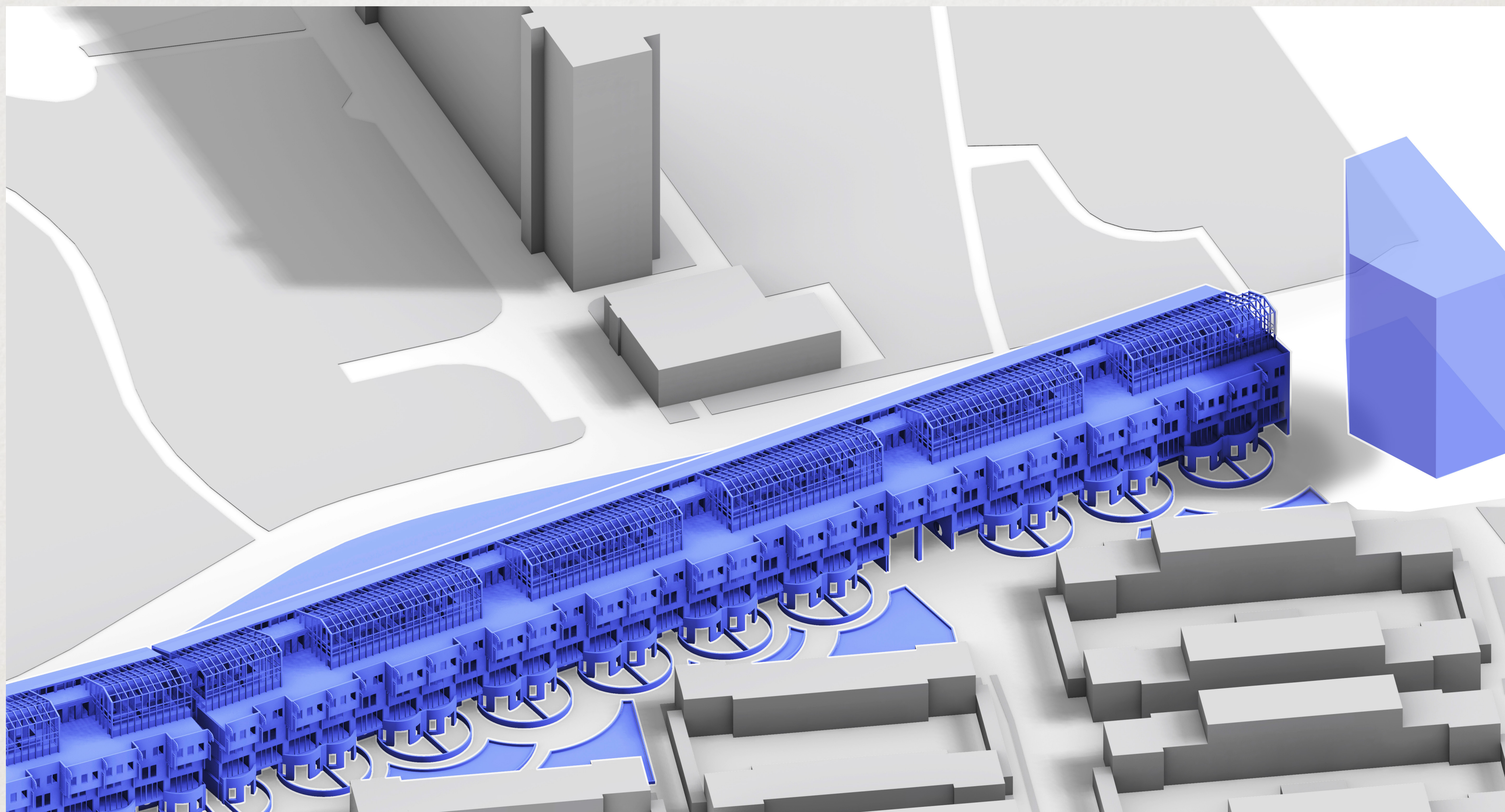


Figure 3. Circular kitchen. From “TheNewMakers,” 2019 (<https://www.thenewmakers.com/2019/09/24/circulaire-keuken-ymere/>)











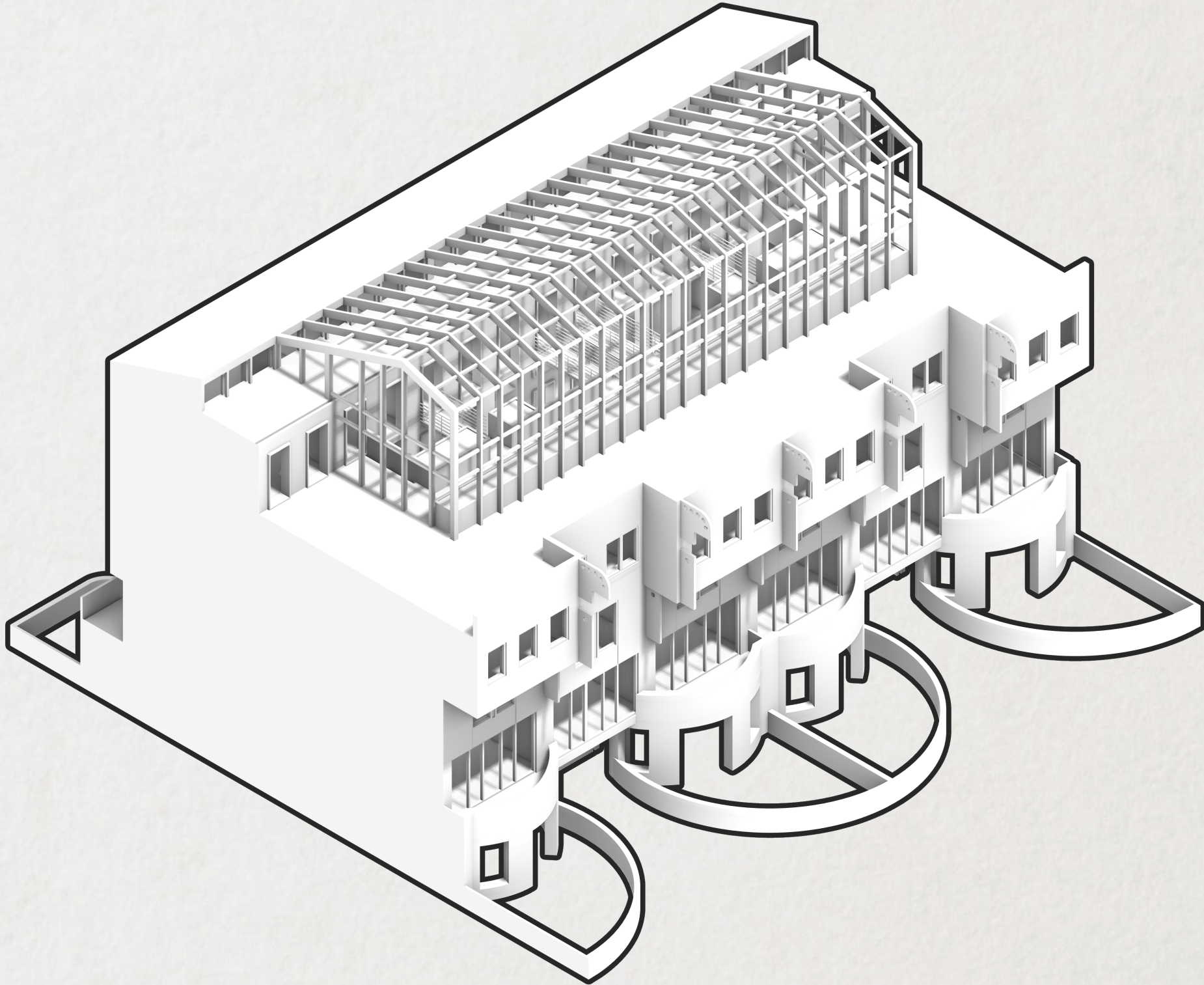


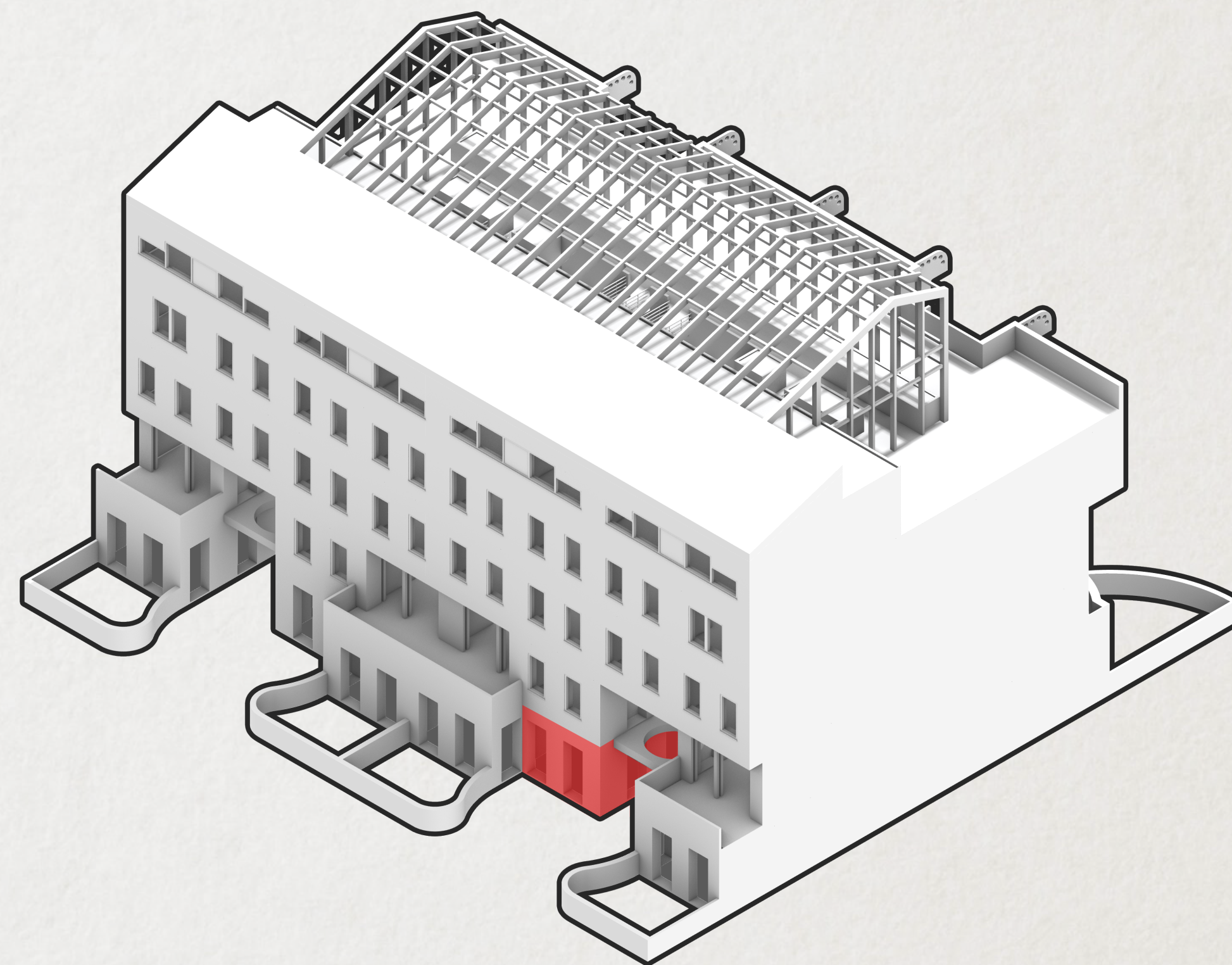
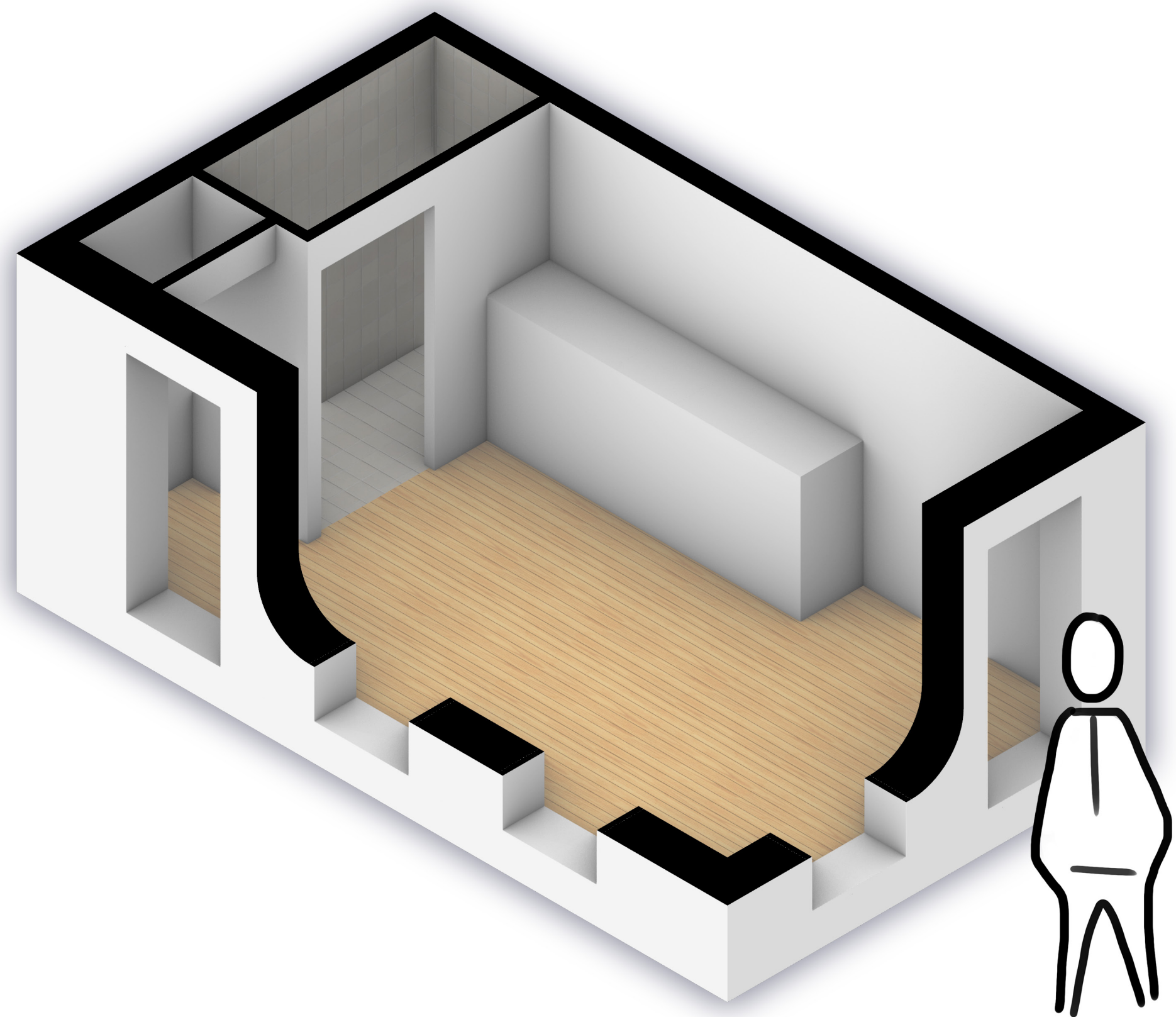


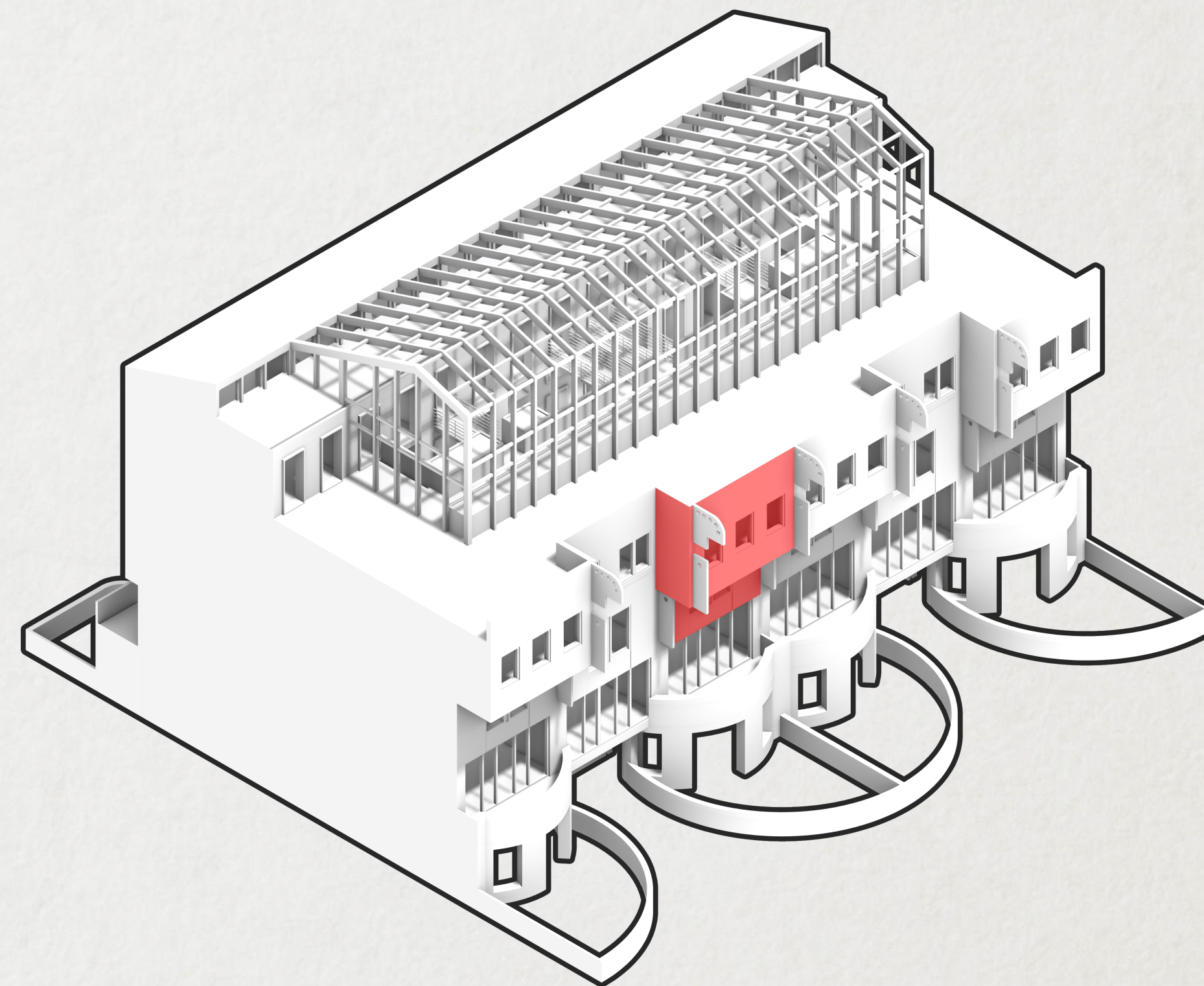
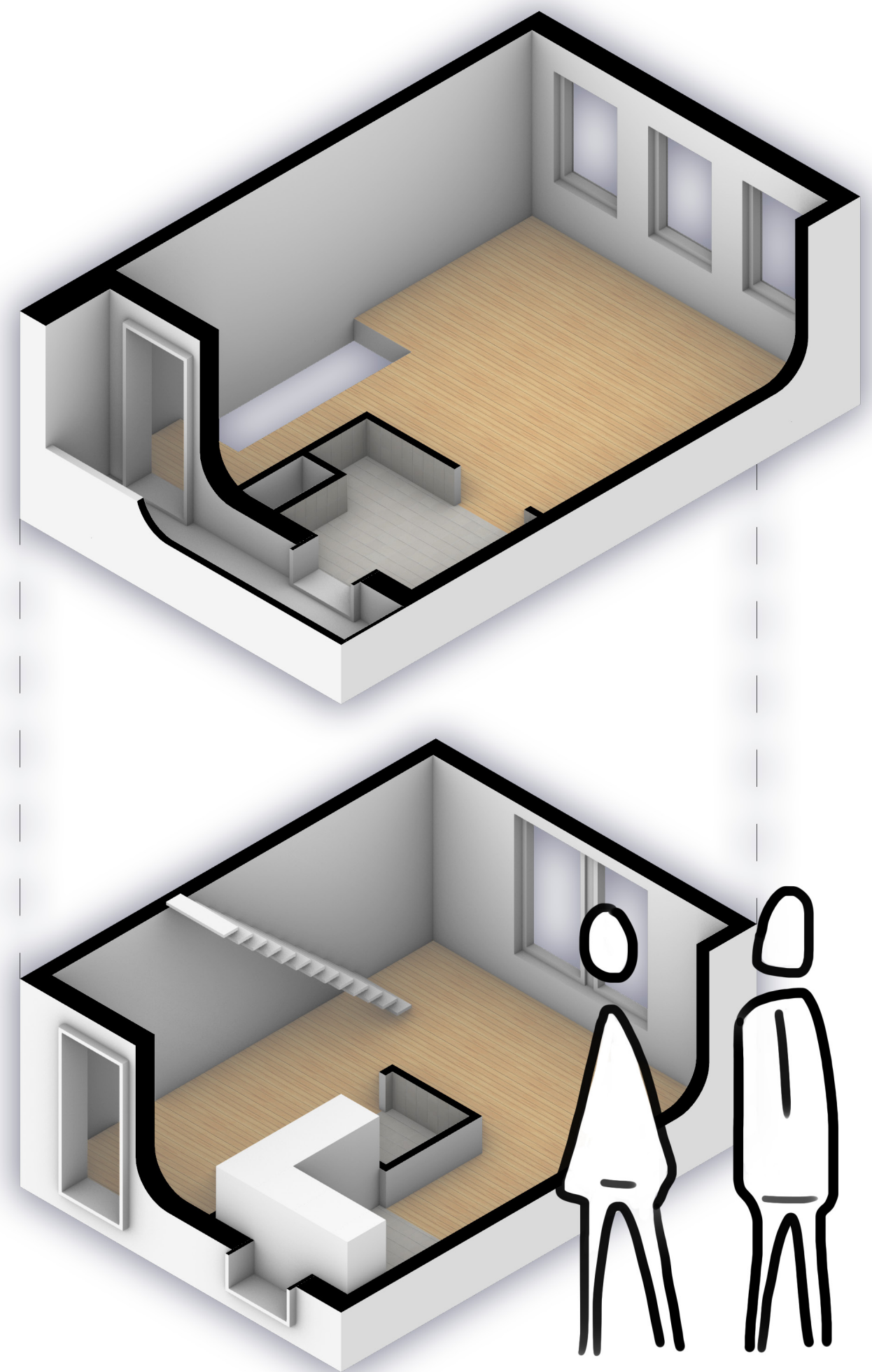


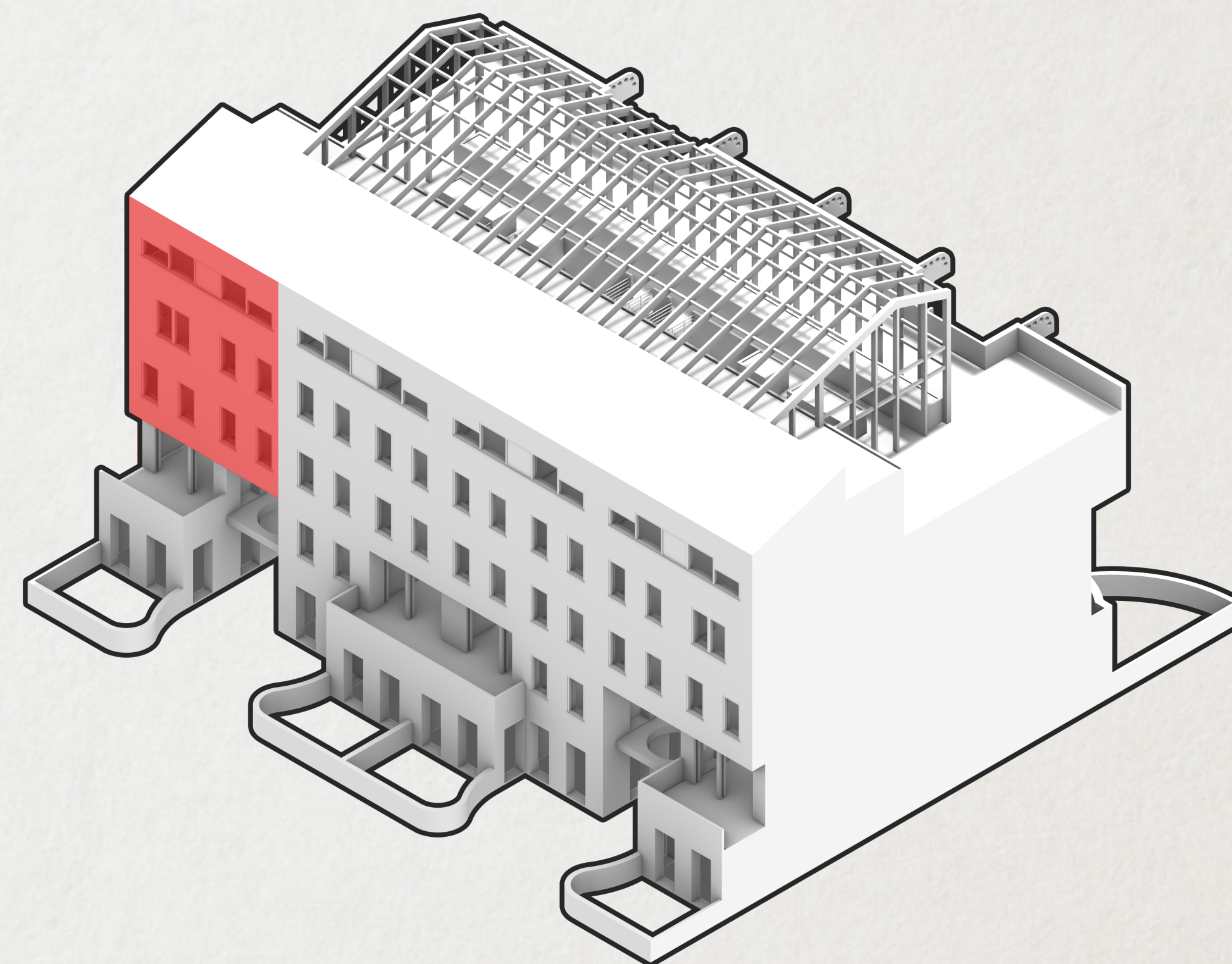
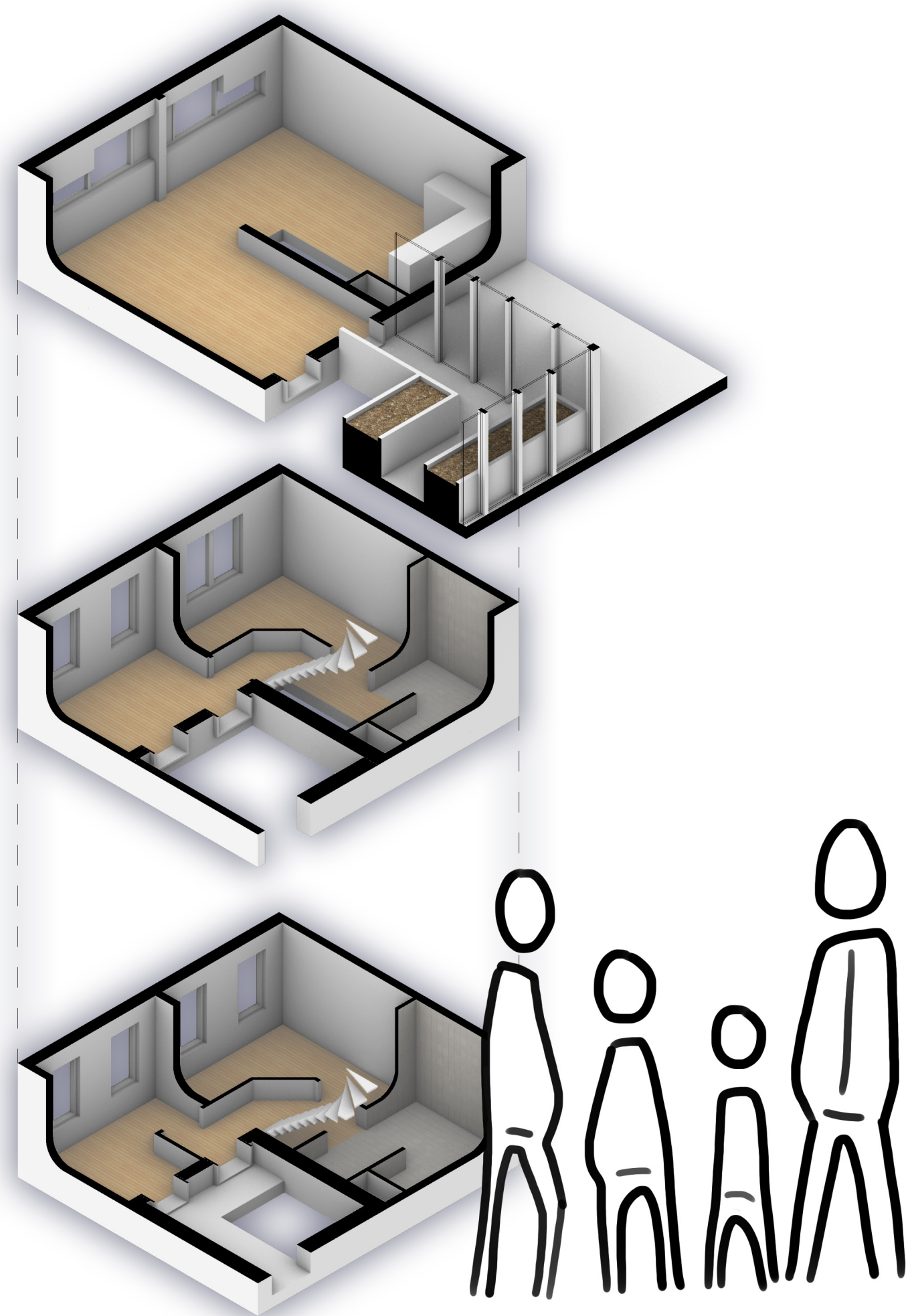
| Dwelling types S-W | | |
|--------------------|----|--------------------|
| Type A | 2x | 85,2m ² |
| Type B | 2x | 45,5m ² |
| Type C | 2x | 79,9m ² |
| Type E | 2x | 86,2m ² |
| Type F | 2x | 58,7m ² |
| Type G | 2x | 56,8m ² |

| Dwelling types N-E | | | |
|--------------------|----|---------------------|--|
| Type H1-2 | 4x | 21,1m ² | |
| Type I1-2 | 4x | 45,2m ² | |
| Type J | 2x | 102,9m ² | |
| Type K | 2x | 62,5m ² | |
| Type L | 2x | 51,5m ² | |

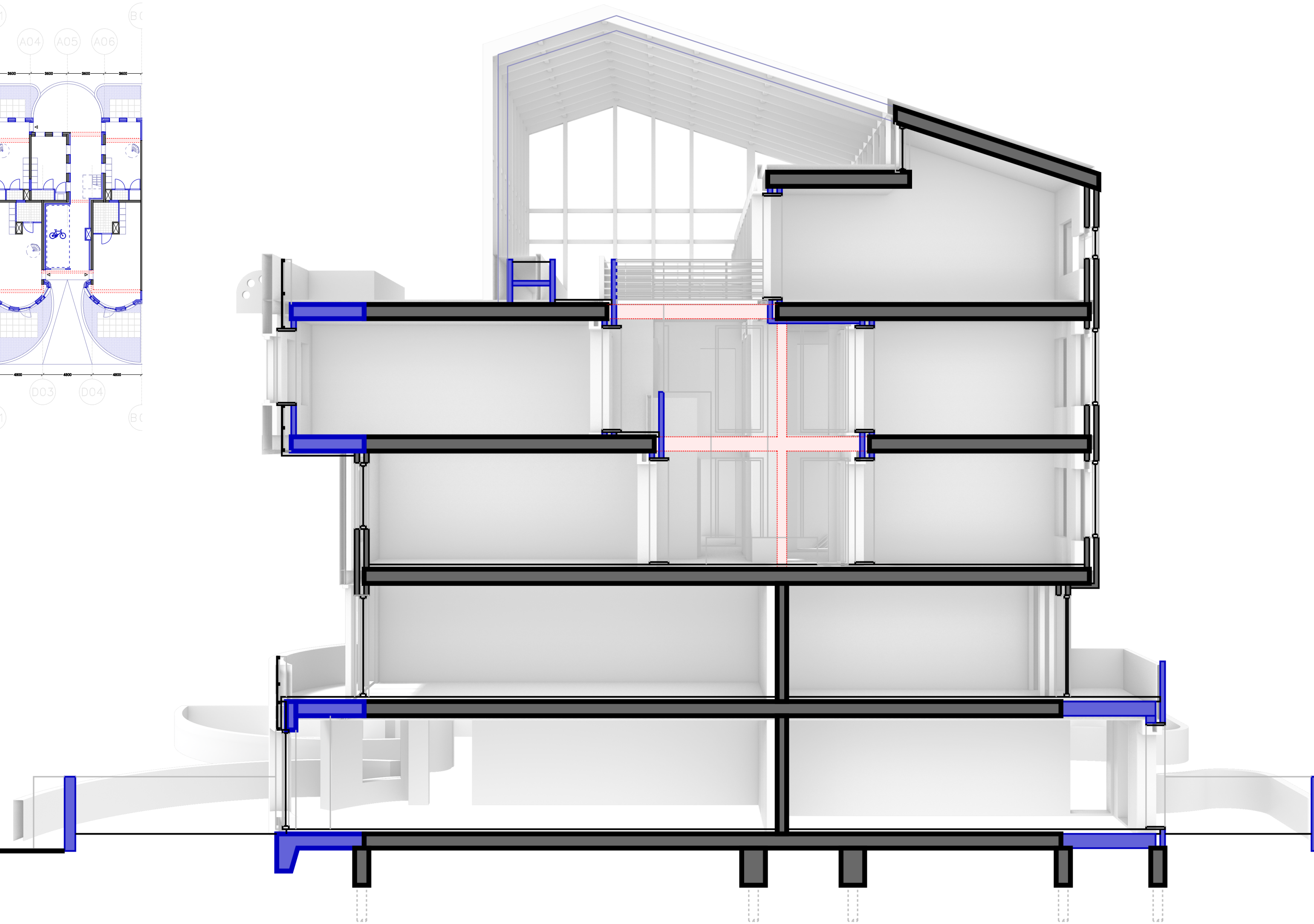
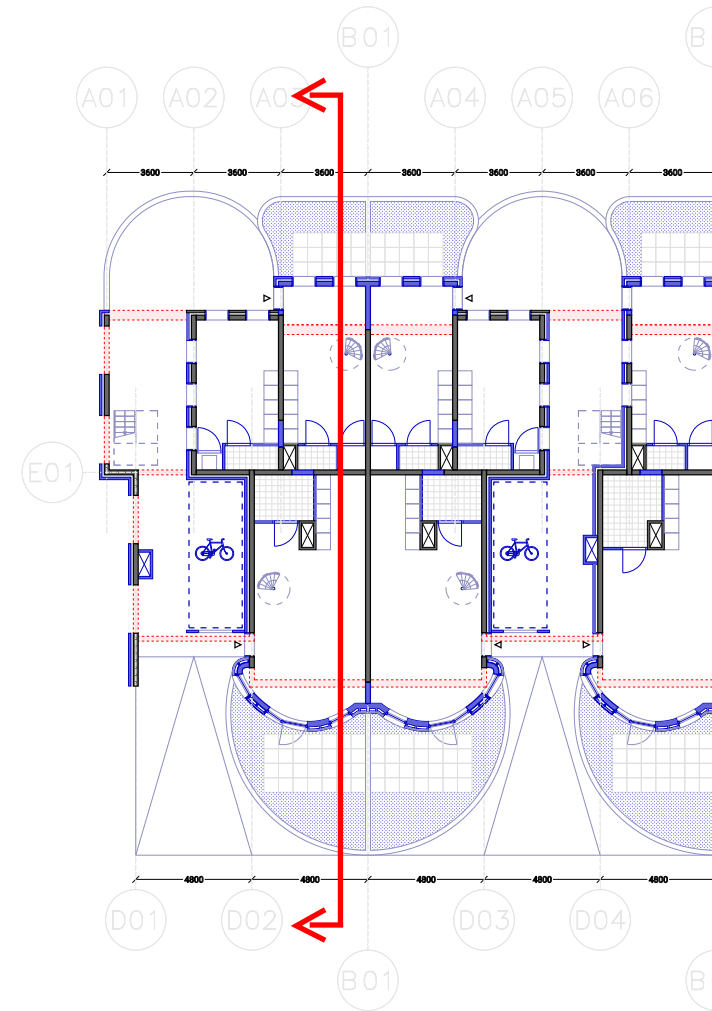




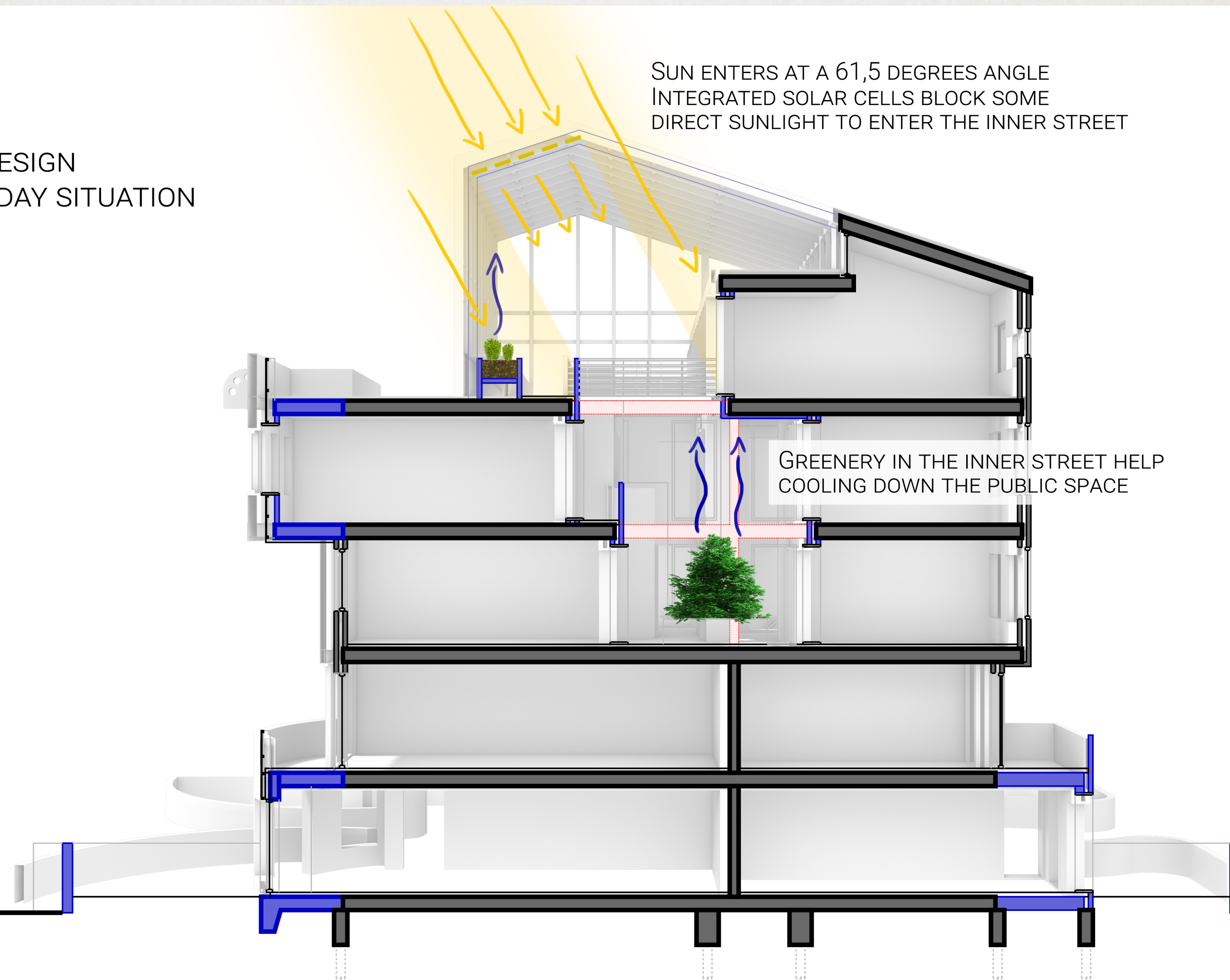




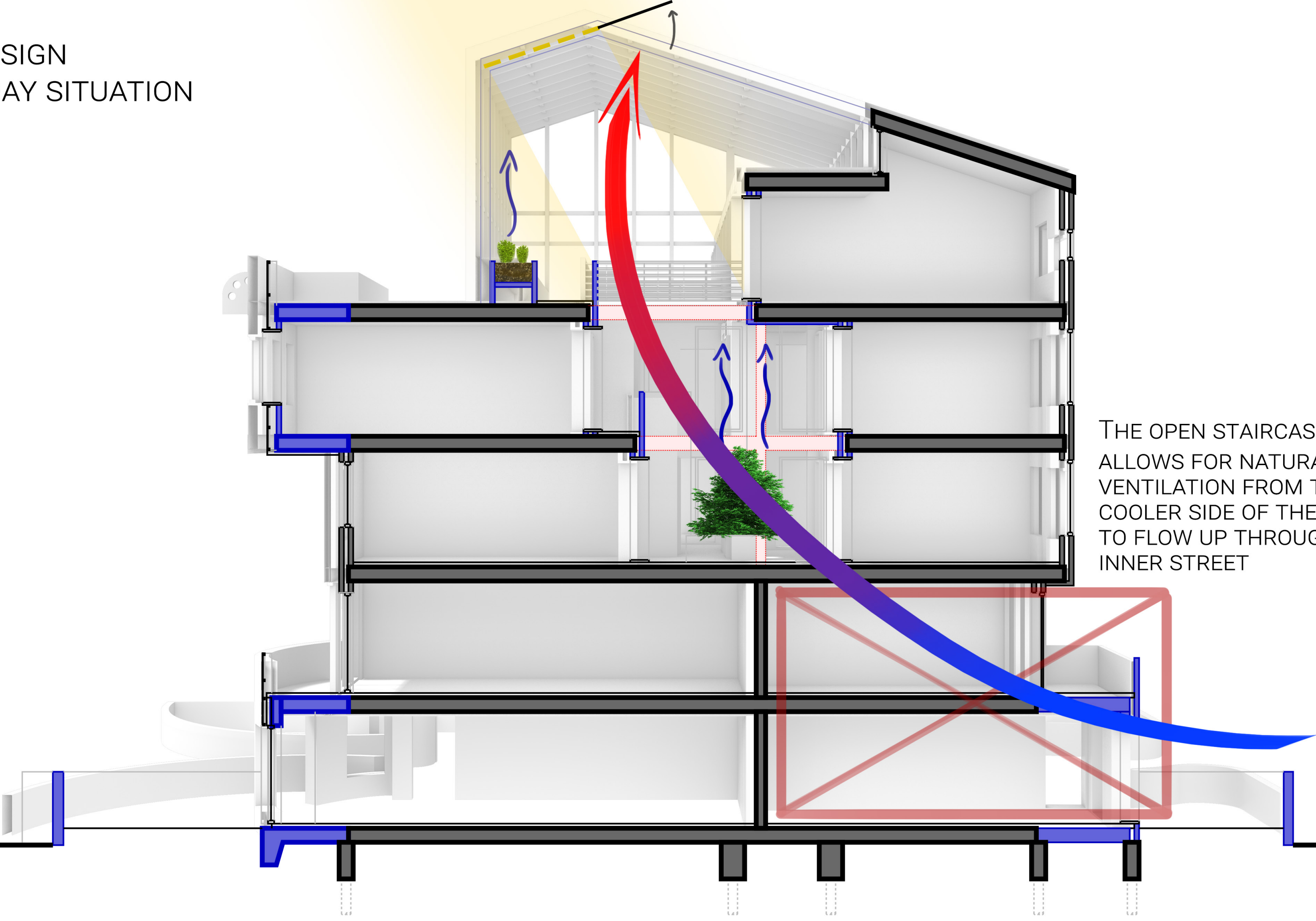
Section of the new corridor



CLIMATE DESIGN
SUMMER - DAY SITUATION



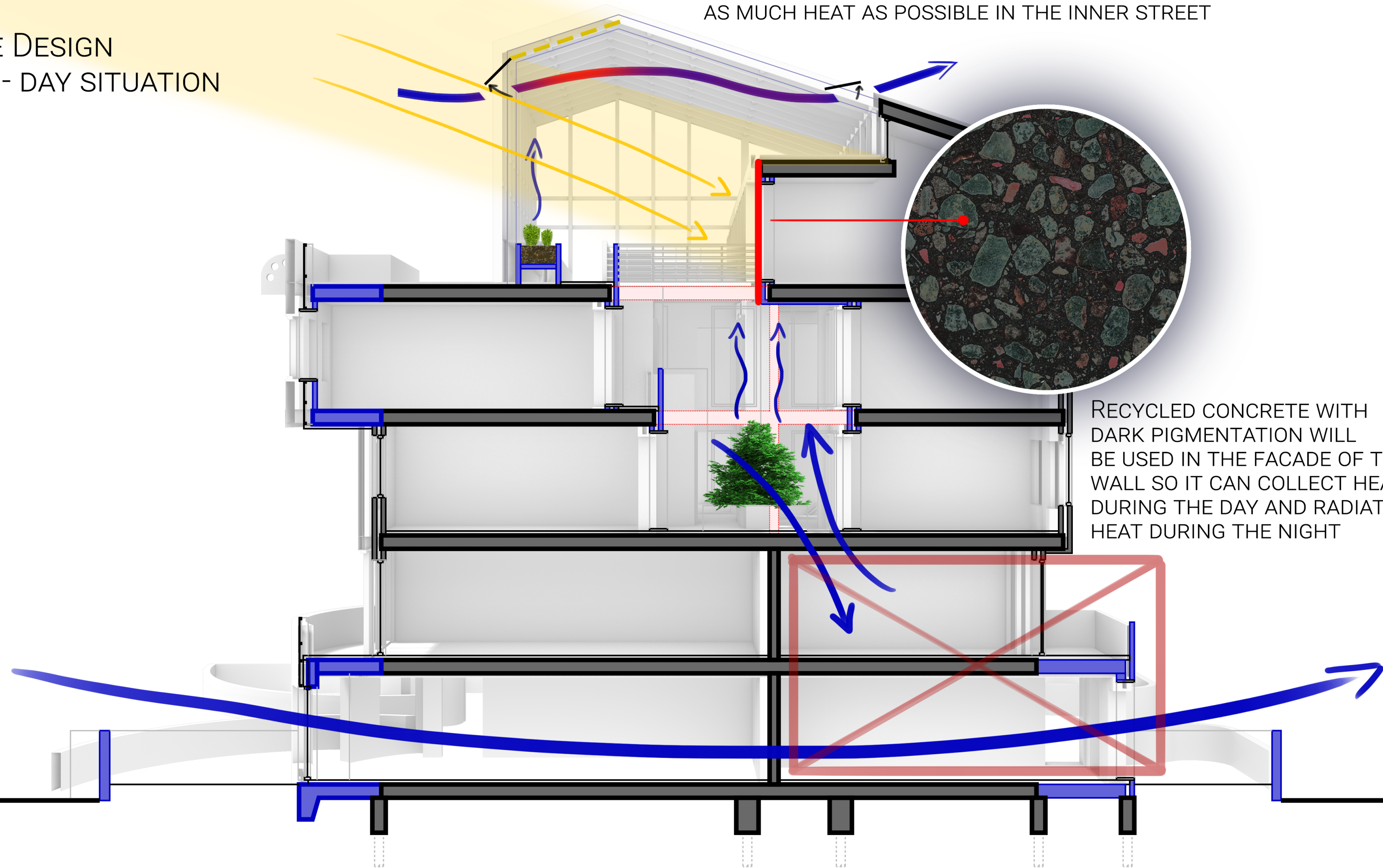
CLIMATE DESIGN
SUMMER - DAY SITUATION



THE OPEN STAIRCASE AREA
ALLOWS FOR NATURAL
VENTILATION FROM THE
COOLER SIDE OF THE BUILDING
TO FLOW UP THROUGH THE
INNER STREET

CLIMATE DESIGN
WINTER - DAY SITUATION

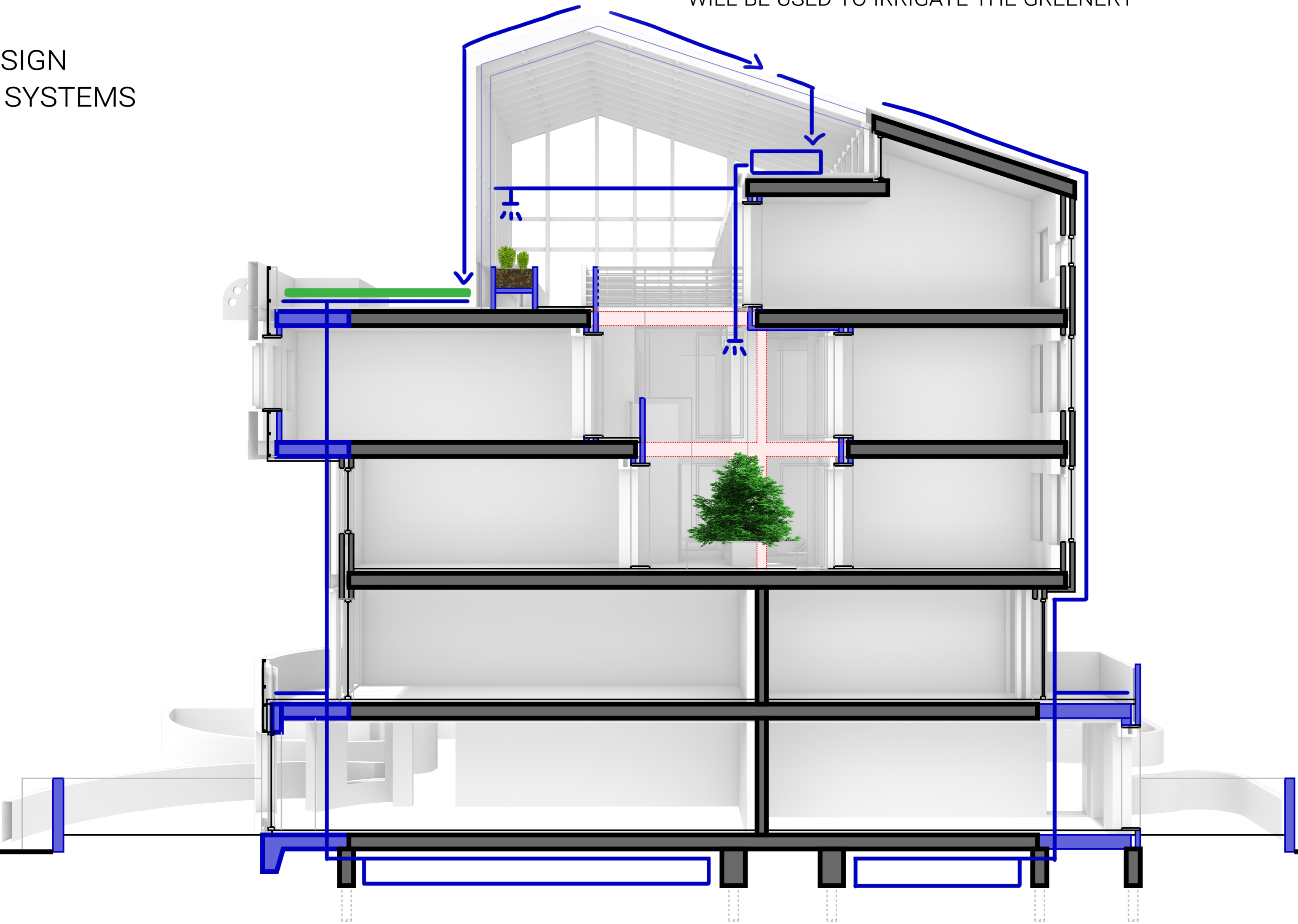
TWO OPERAL PARTS OF THE GREENHOUSE
OPEN IN WINTER TO ALLOW NATURAL VENTILATION
WHICH CREATES A SECOND VENTILATION TO PRESERVE
AS MUCH HEAT AS POSSIBLE IN THE INNER STREET



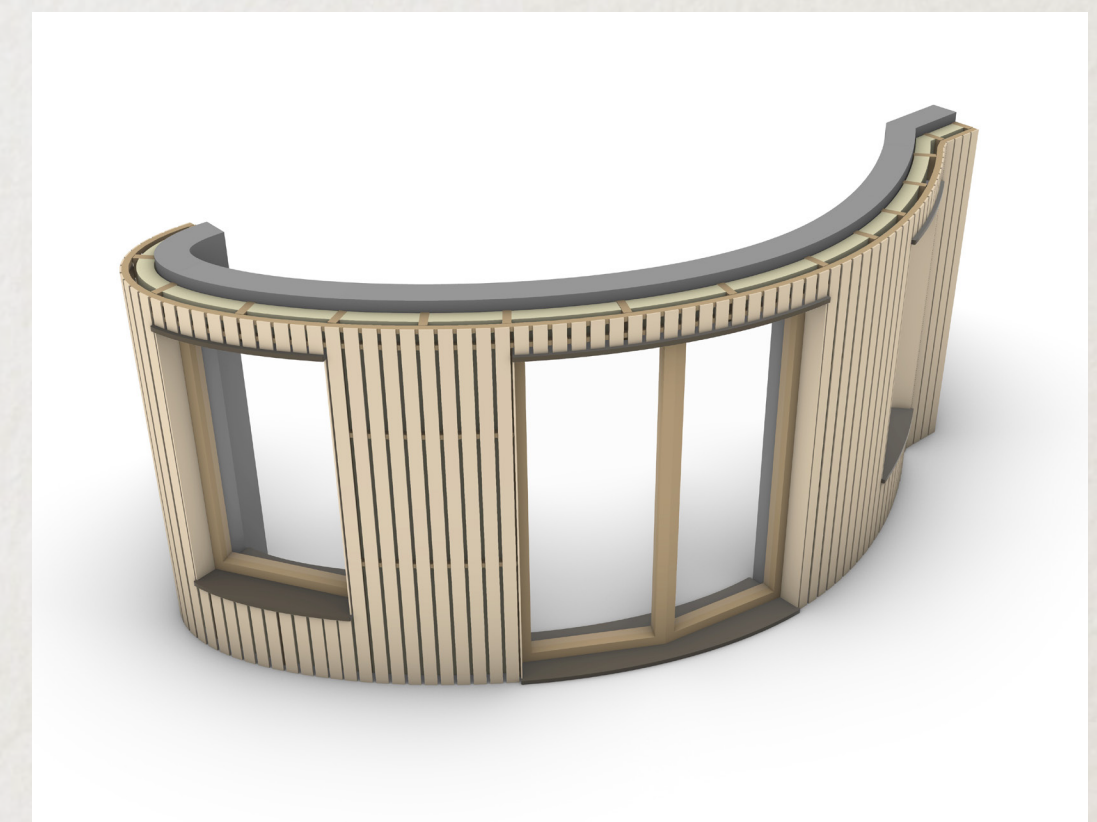
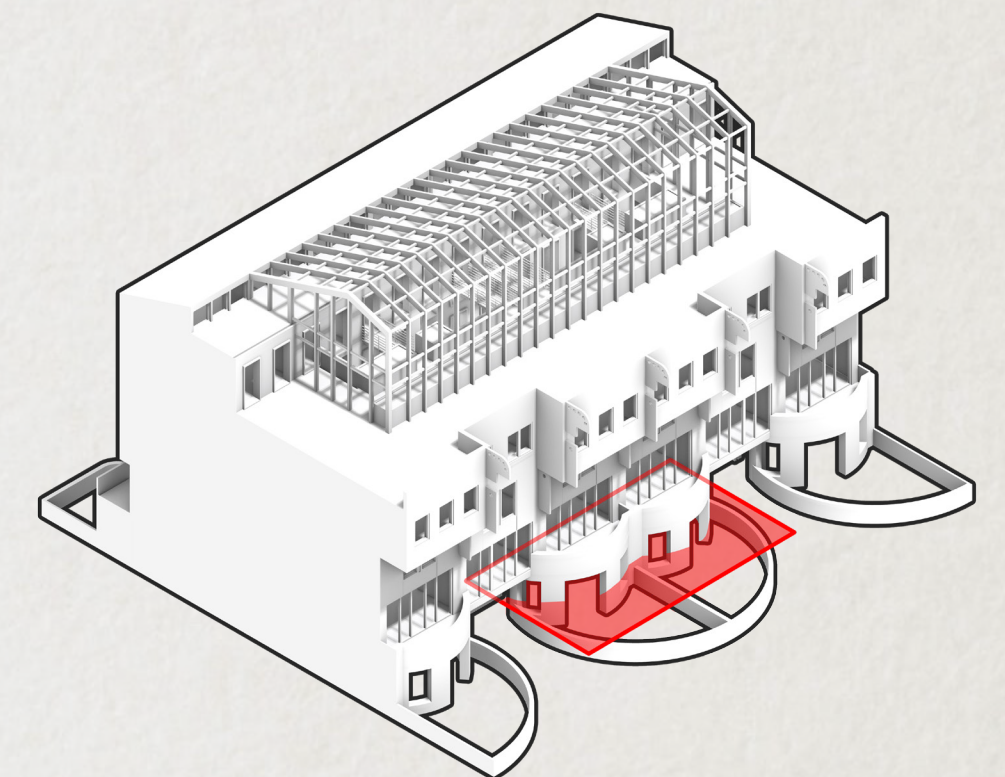
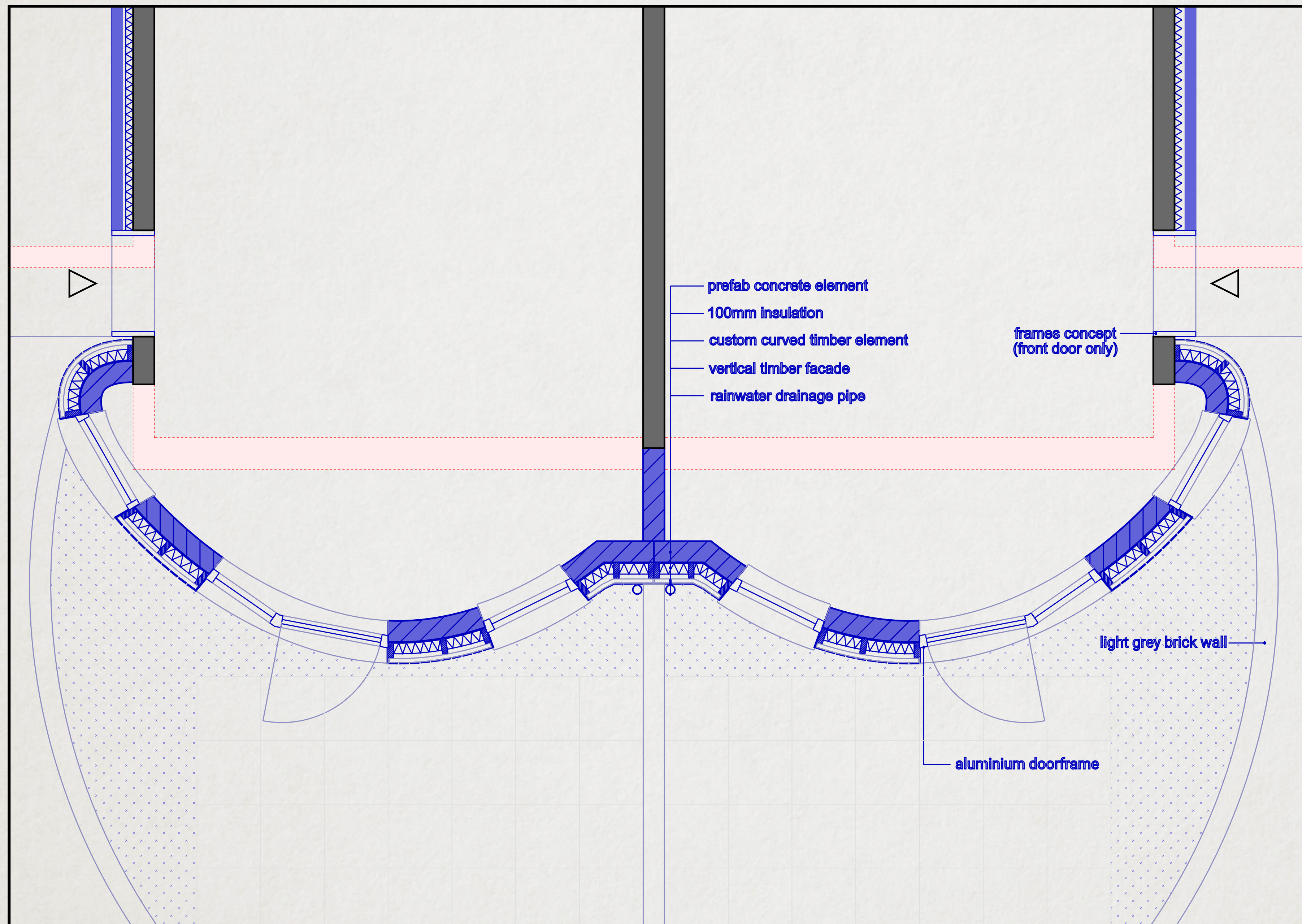
RECYCLED CONCRETE WITH
DARK PIGMENTATION WILL
BE USED IN THE FACADE OF THIS
WALL SO IT CAN COLLECT HEAT
DURING THE DAY AND RADIATE
HEAT DURING THE NIGHT

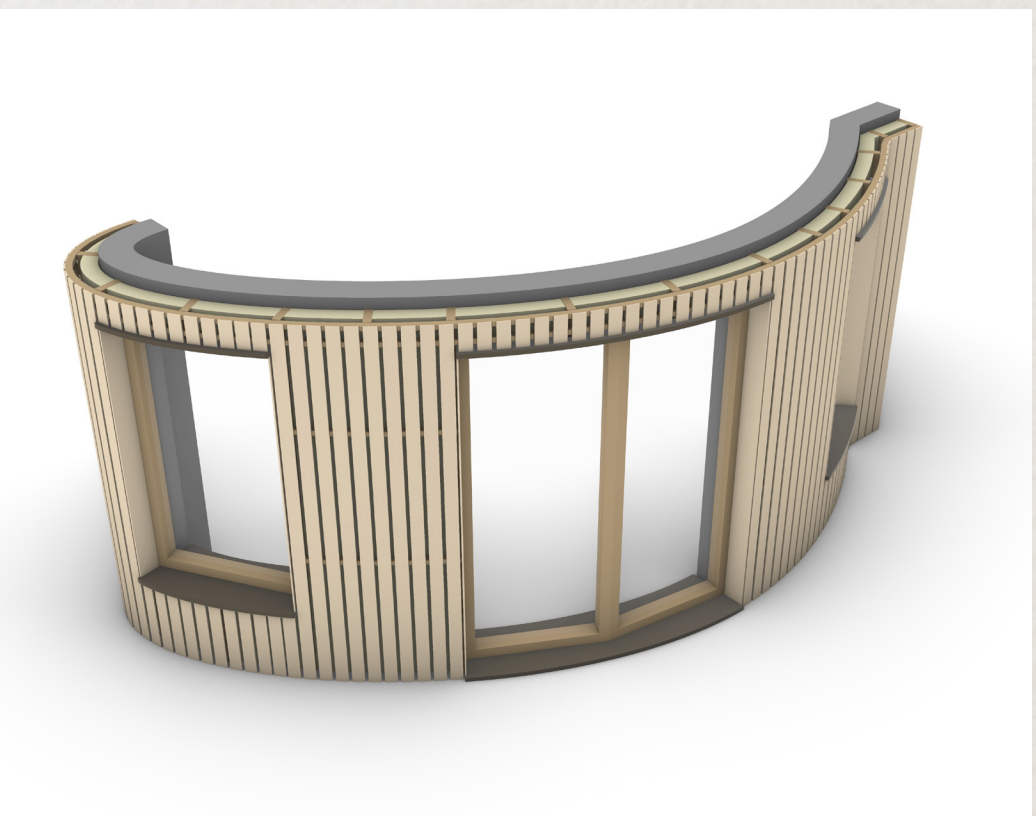
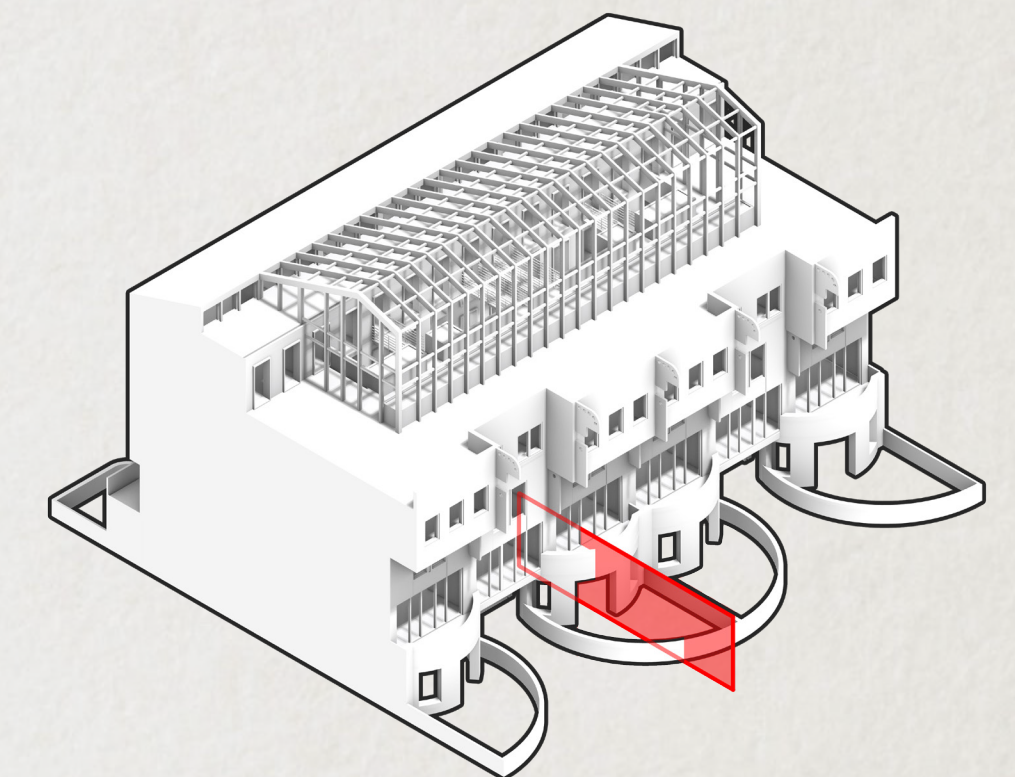
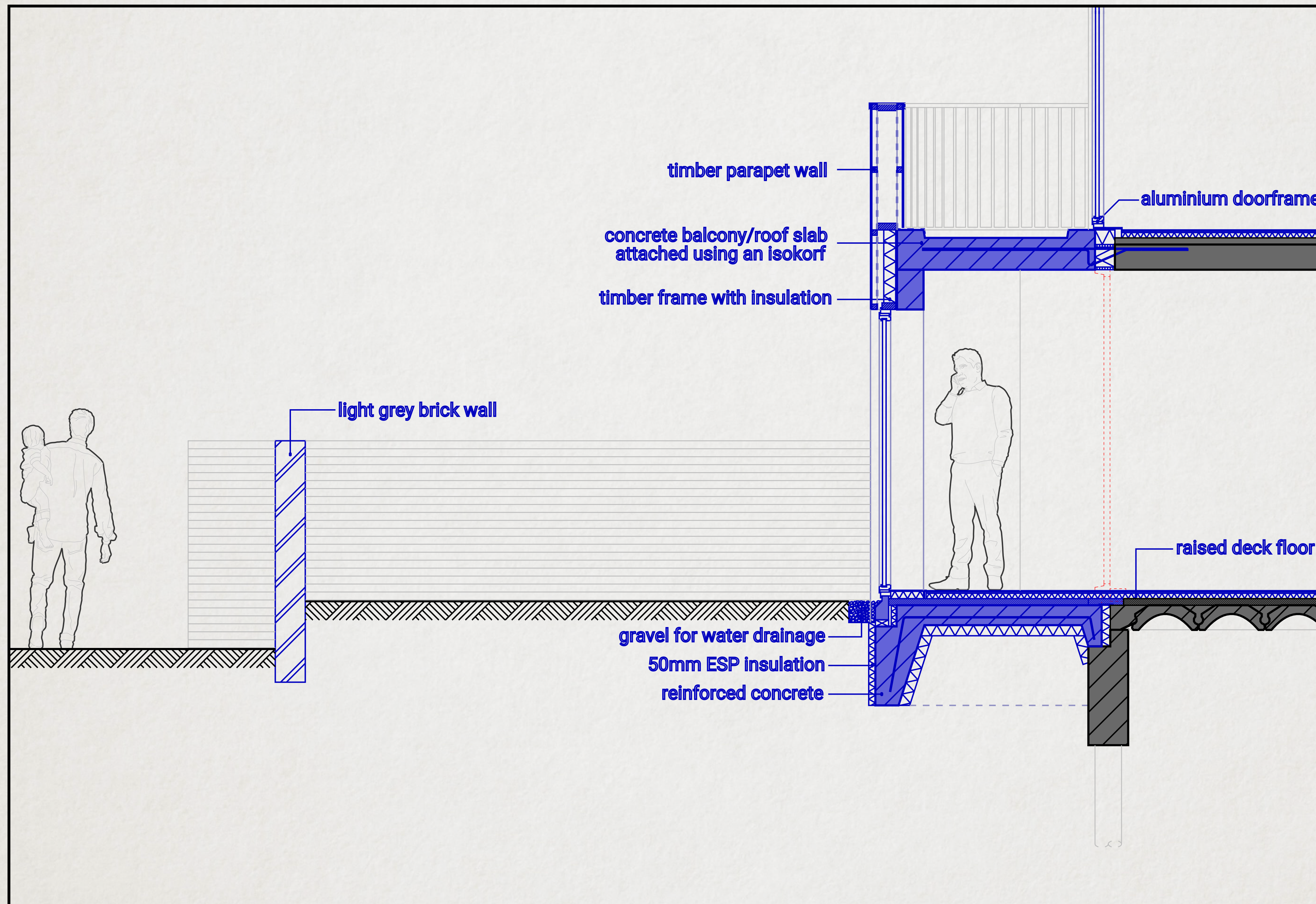
CLIMATE DESIGN
RAINWATER SYSTEMS

MOST RAINWATER THAT LANDS ON THE GREENHOUSE
WILL BE STORED ON THE HIGHEST FLOOR. THIS WATER
WILL BE USED TO IRRIGATE THE GREENERY



OTHER RAINWATER WILL BE STORED UNDER THE GROUND FLOOR IN A SYSTEM
KNOWN AS 'JUSTNIMBUS' THIS WATER CAN BE USED TO FLUSH TOILETS





Research question

How can **strong communities** be formed within the long building of Hoptille? And how can these be made more **managable** for the housing corporation so that any **new social issues** can be addressed easily?

Answer

By dividing the 300-meter-long building in **11 connected blocks** in which communities can be formed. The forming of communities will be stimulated by having lots of **visibility** on the new corridor.



How to approach 80's architecture?

I have learned that it is important to look at the initial intent of the design carefully before judging the aesthetics.