

THE GATEWAY TO MMC

Meanings of narrative and aging in Beato, Lisbon

P5 PRESENTATION, MONIKA BYRA, 4520424

MENTORS

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PLACE - MAKING

Places (...) are also interpreted, narrated, perceived, felt, understood, and imagined.

(Soja ,1996 quoted in Gieryn, 2000)



*Granary Square, London, UK
Townshend Landscape Architects*



*Silesian Museum, Katowice, Poland
Riegler Riewe Architekten*

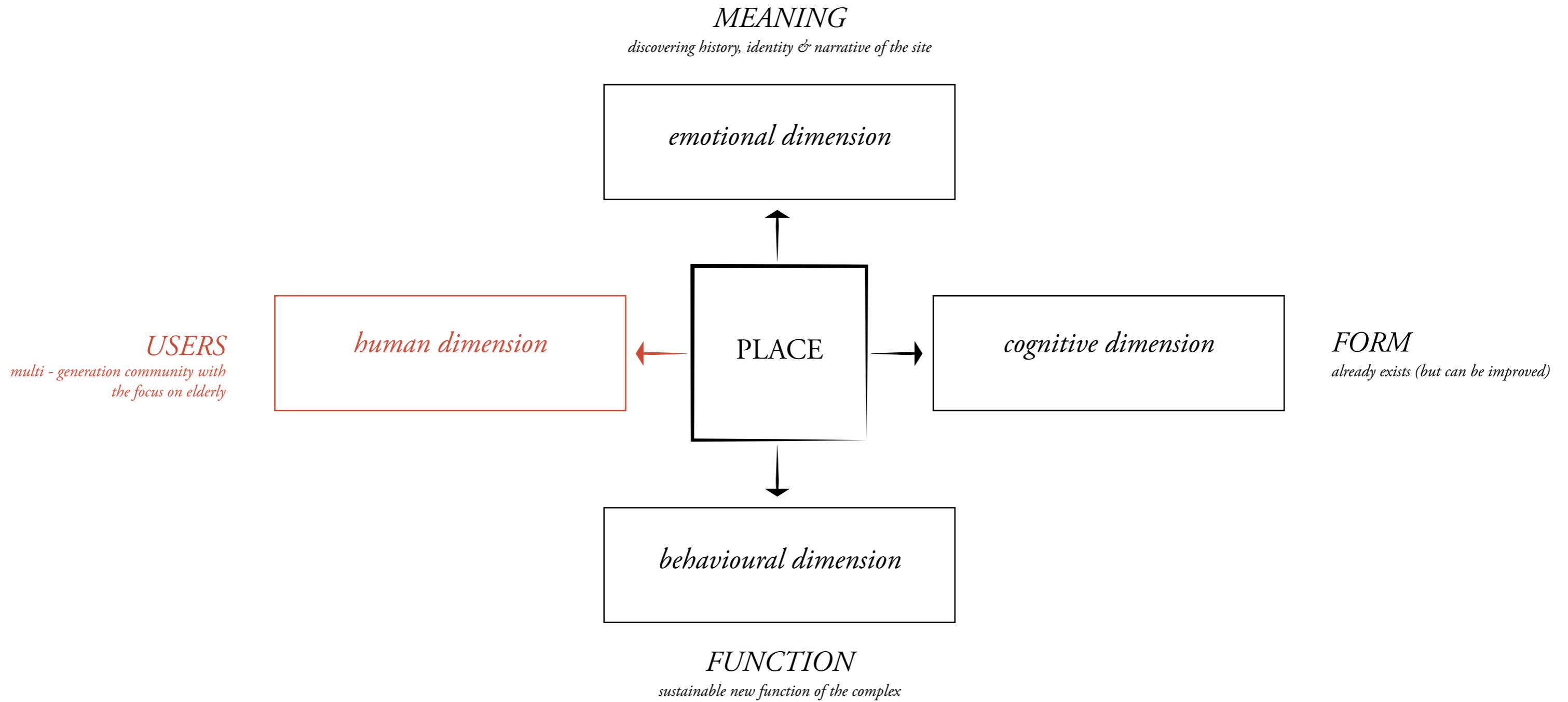


Fig. 1 Dimensions of place creation (Jorgensen, 2001; Canter, 1977) [modified]



World population over age 65 the year of the 7th
CIAM Congress, *Reconstruction of the Cities* (1949)

Volume 29: The Urban Conspiracy (2012)

World population over age 65 the year of *Better City, Better Life* World Expo, Shanghai (2010)

Volume 29: The Urban Conspiracy (2012)

AGE - FRIENDLY



The eight domains of an Age - friendly City
[from the Global Age-friendly Cities guide (2007)]

age-friendly *adj.* 1. favourable to and accommodating of older people in some form. [GENERIC] *tone:* POSITIVE. 2. a World Health Organization (WHO) policy concept designating: ‘policies, services and structures related to the physical and social environment that are designed to support and enable older people to “age actively” – that is, to live in security, enjoy good health and continue to participate fully in society.’

all-age-friendly *adj.* 1. a general term applied to mean favourable to and accommodating of all generations [GENERIC] 2. often used to broaden relevance of an older-age-focused policy agenda to other policy agendas (e.g., ‘child-friendly’, ‘dementia friendly’) [STRATEGIC], and/or to create a (false?) sense of the universal benefits of Age-friendliness (as in creating an Age-friendly city means creating a city that is friendly and good for all’). *tone:* IDEALISTIC.

[from the Global Age-friendly Cities guide (2007)]

What are the meanings of place and identity in the urban regeneration for the aging population?

How one can create sustainable development in MMC which includes local residents?
What does it mean to design age – friendly today?

STRUCTURE OF THE PRESENTATION



CONTEXT



STRATEGY



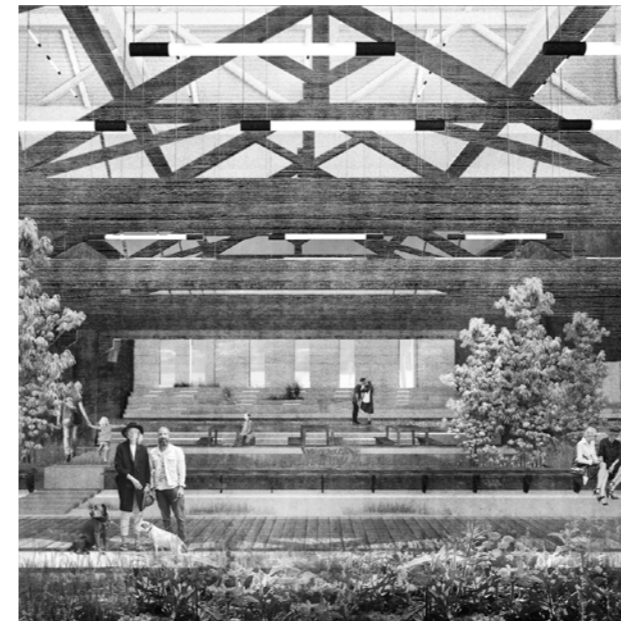
CONCEPT: BIG SCALE



CONCEPT: SMALL SCALE
(JOURNEY PART I)



MATERIALITY



CHARACTER
(JOURNEY PART II)



REFLECTION

CONTEXT

Beato and MMC



Address: Manutenção Militar,
Rua do Grilo 109, 1950 Lisbon
GPS coordinates: 38°43'54.4"N 9°06'24.2"W



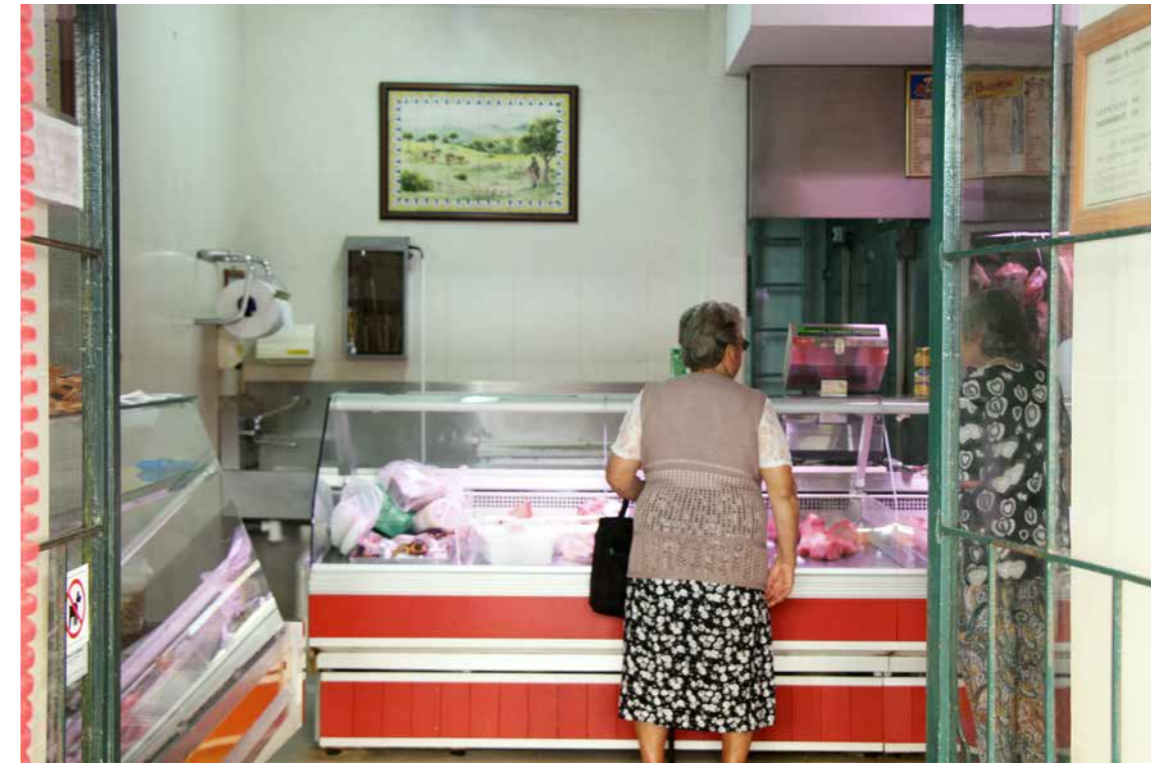
Photos from Docomomo Workshop
Documentation



MMC complex has very strong characteristics and it stands out in the urban fabric of Beato district. It is not connected to the neighbourhood: neither to the residential part, nor to the industrial harbour. It exists as an island protected by multiply boundaries: walls, fences and impenetrable façades of vacant buildings. The additional layer of separation is created by the difference between spirit of the street and the complex itself.



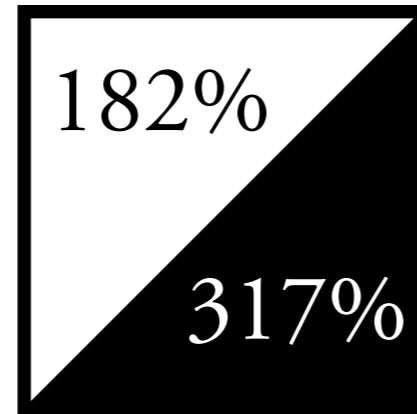
The undeniable beauty of the buildings' construction and the machinery can be found inside the structures. It can be argued that the most interesting part of MMC is hidden behind the roofs and elevations.



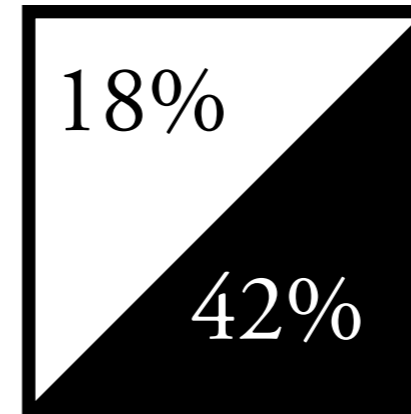
Even though the potential of the area is still visible, it is difficult to ignore all the problems present in Beato. There is almost no public facilities and the local shops are random and not very well supplied. Most of the passer-by, whom I've met, are elderly people who seem to be long-term residents of the district.

SOCIO - ECONOMICAL PICTURE OF BEATO

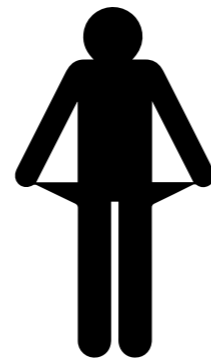
Index of aging: Lisbon / Beato



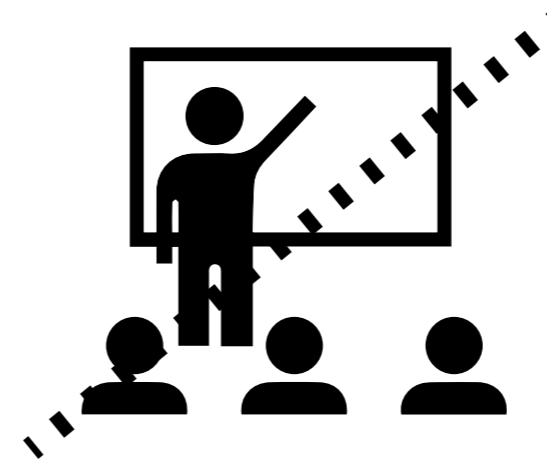
Families with: children -15 / elderly +65



Poverty & Unemployment



Lack of education



Portugal: aging population



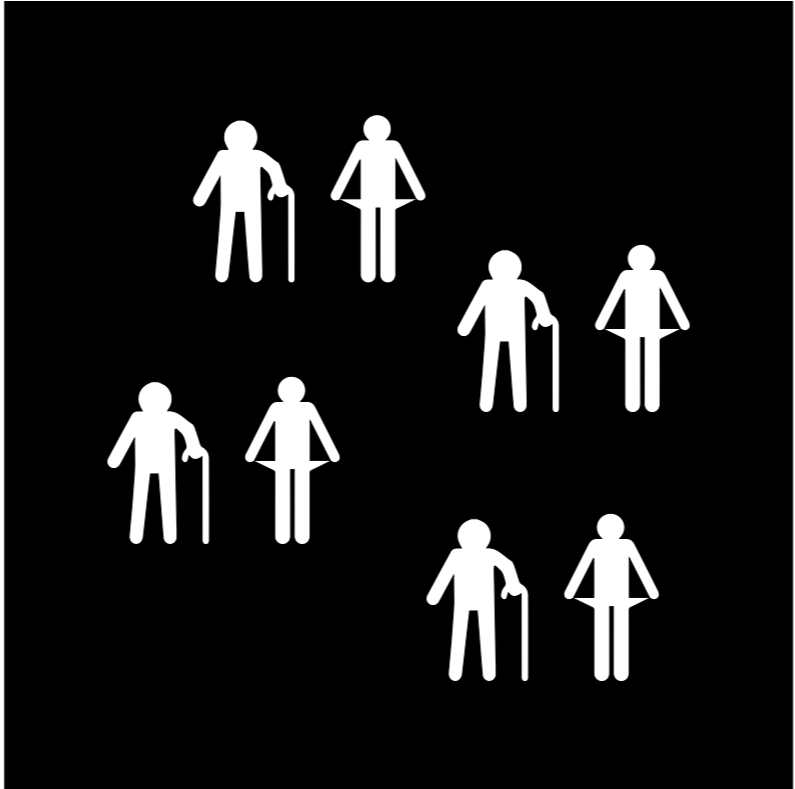
Living standards of elderly population





The urban regeneration in the typical understanding is a process of transforming the places within their social and cultural settings. Hence the significance of the emotional attachment of the users which the transformation will evoke. In the era of globalization and the raising problem of rapid aging of the population, there is a need to rethink the notions of place-making and adjust them to the new context. The MMC has to be remade in a spirit of the notions which will bring the attachment and the new identity into the place. **What key ingredients one has to use to achieve the best results within the Beato where the decay and aging process are so advanced?**

STRATEGY



Community as a starting point.

ACTIVE THIRD AGE



Patrick Vale, Silver Linings, RIBA 2013

- longer active in the mainstream society
 - between 60 - 75 years old
- have time, health, money and will to enjoy leisure and cultural activities
 - focused on healthy lifestyle
- often move to the warmer countries, seaside

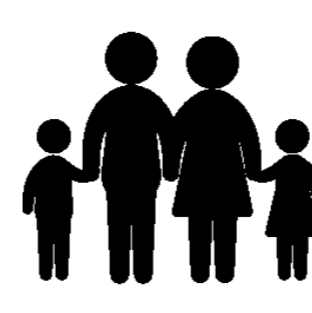
MERGE OF INTEREST / TARGET GROUPS

Needs



Active Third Age

new freedoms and opportunities
 money
 focus on healthy lifestyle and well-being
 consumers of culture and experience
 proximity to the city centre
 safety



Local residents

improving the quality of the neighbourhood
 health care
 day care
 work
 social aspects
 better education
 green, public spaces
 safety
 affordability



Functions

PROFITABLE

Attractive housing for richer generation and international retirees

health and well-being facilities

commercial & other services

Food producing gardens

SOCIAL

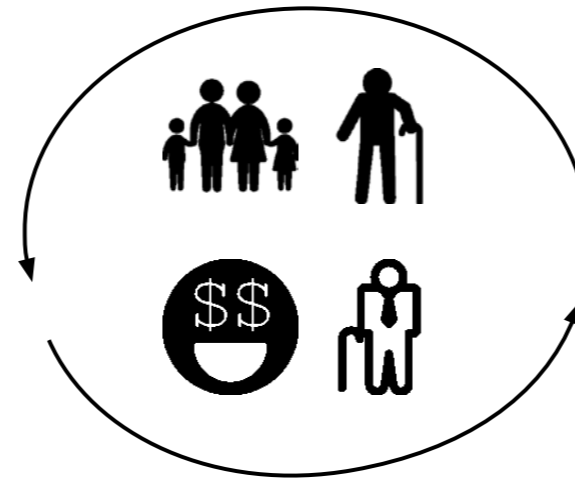
Social housing for all age groups

Social care

Open School for Elderly (centre that provide older people with simultaneous experiences for work, play and learning, turning typologies of consumption into productive centres of remaking and repair)

Network of public and leisure spaces

SOCIAL



PROFITABLE

TRANSFORMATION FRAMEWORK

MEANING

There is a story of Beato and MMC - we can only use it and add a thin layer connected to the new branding of the complex.



FUNCTION

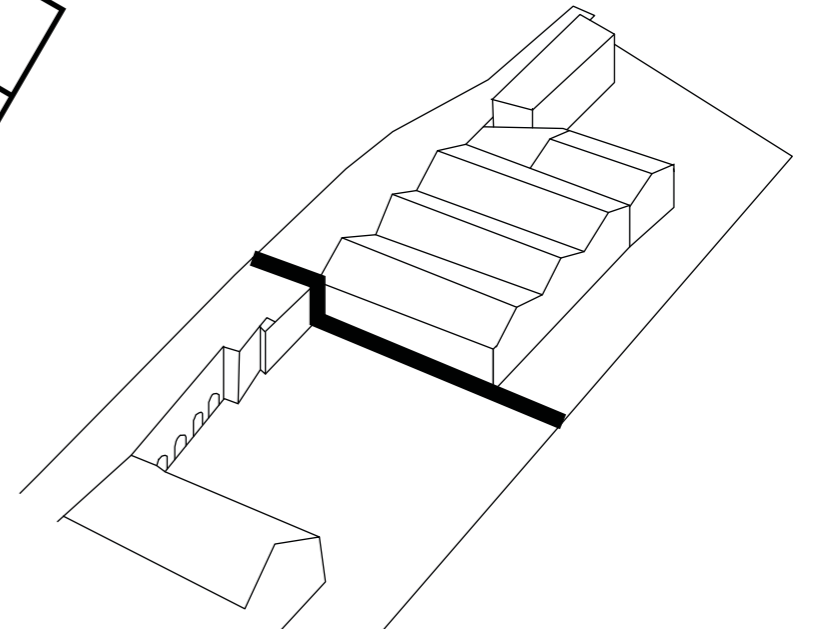
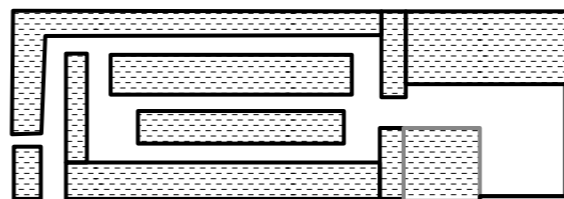
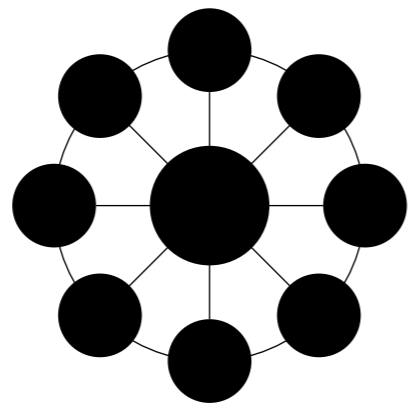
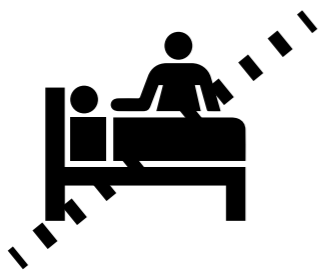
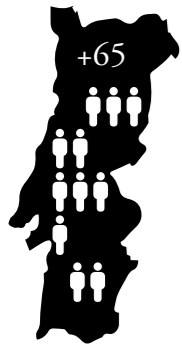
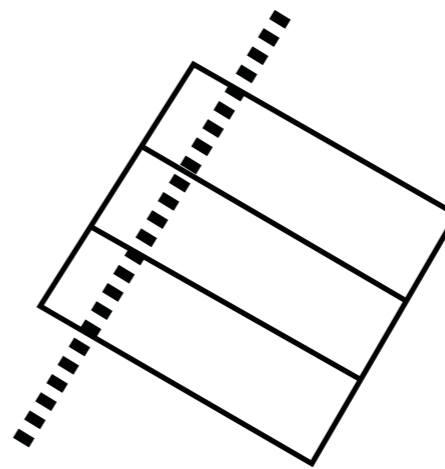
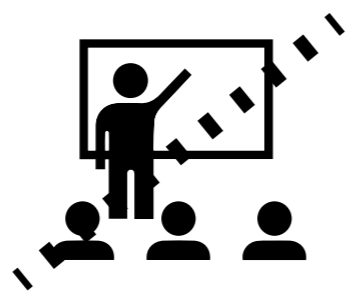
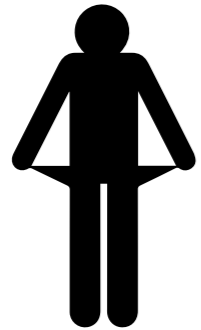
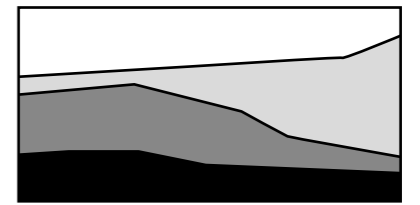
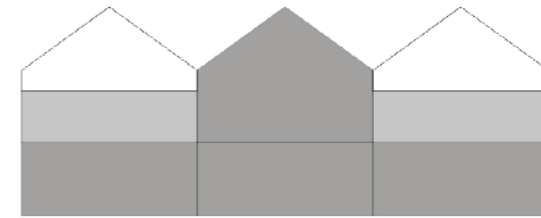
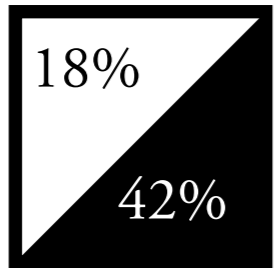
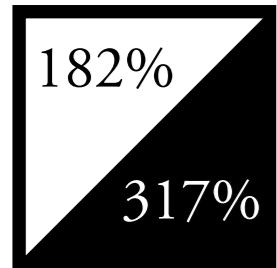
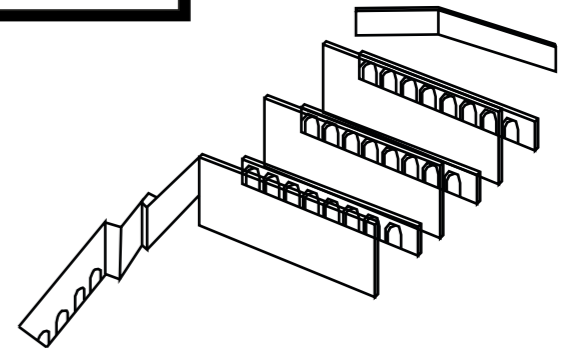
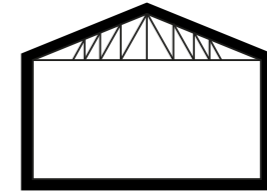
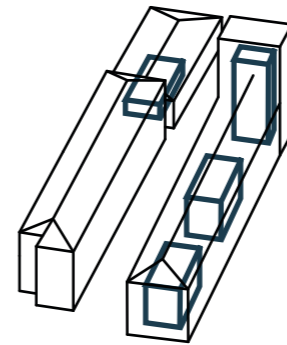
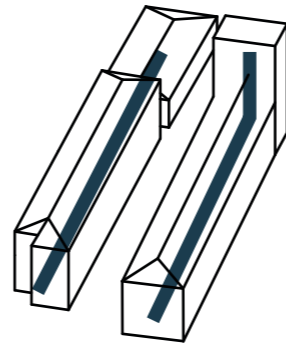
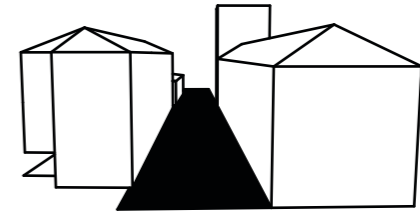
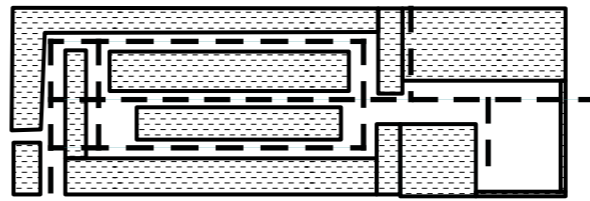
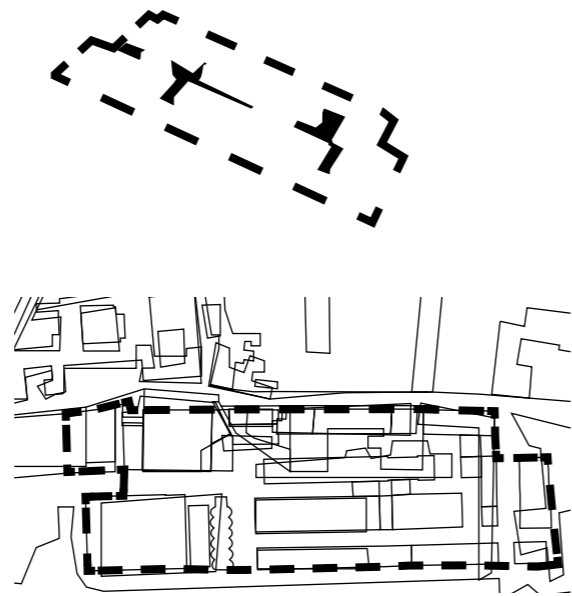
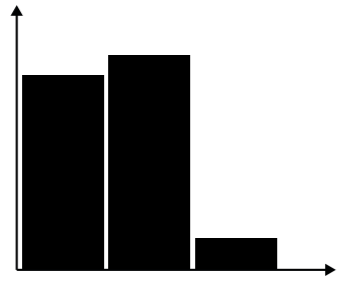
Combination between privately-owned, rented and publicspaces enabling a high degree of flexibility in responding to the changing financial and spatial needs and suitable for the users of all age.

USERS

The complex should respond to the age-friendly design. The main focus is on the elderly and the ageing generation.

FORM

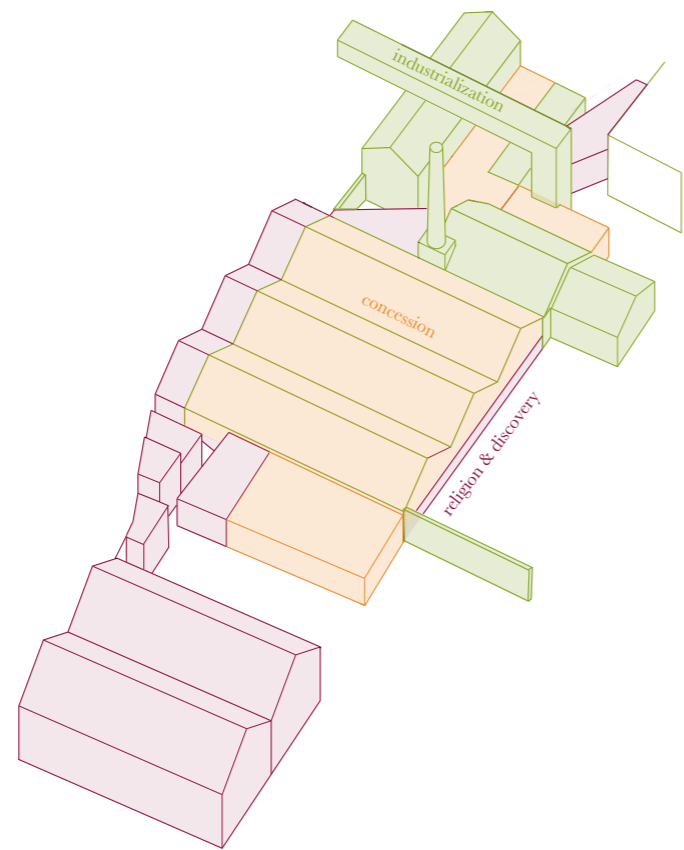
The form of the complex is almost completed but it still requires modernisation in order to improve its accessibility, internal communication, sustainability etc.



CONCEPT

Big scale

METHOD



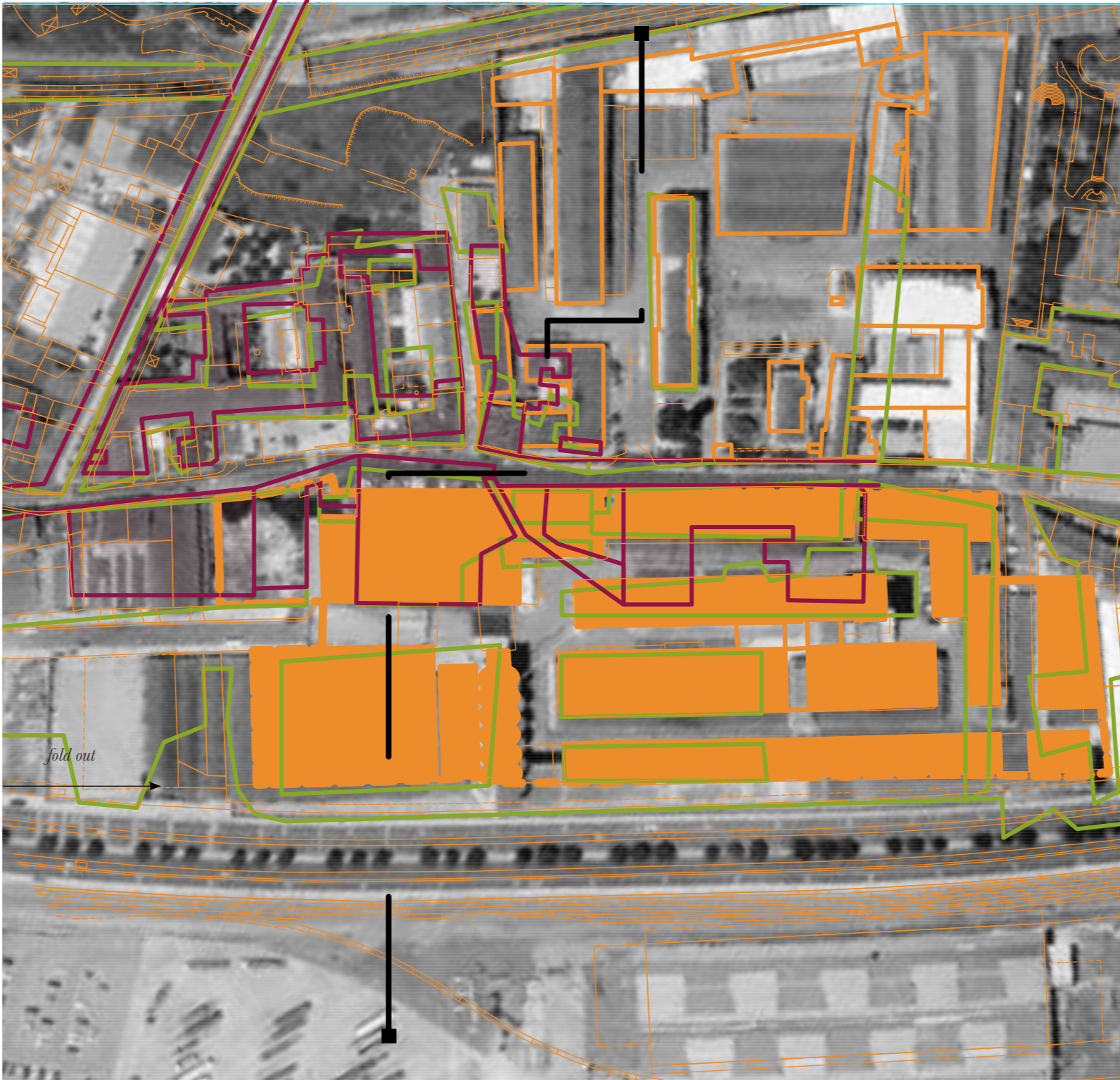
TIME-LAYERING

The RIEGL - BRANT MATRIX is a grid used for architectural analysis. It consists of 8 columns and 10 rows. The columns are labeled: AGE, HISTORICAL, ARTISTIC, COMMEMORATIVE, USE, NEWNESS, CONFLICT, and NOSTALGIA. The rows are labeled: SURROUNDINGS, STORY, SITE, STRUCTURE, SPACE, SKIN, SERVICES, STUFF, and SOCIAL. Each cell in the grid contains a small image or drawing related to the category and row. For example, the 'SURROUNDINGS' row includes images of buildings and streets, while the 'STRUCTURE' row includes images of architectural details and plans.

	AGE	HISTORICAL	ARTISTIC	COMMEMORATIVE	USE	NEWNESS	CONFLICT	NOSTALGIA
SURROUNDINGS								
STORY								
SITE								
STRUCTURE								
SPACE								
SKIN								
SERVICES								
STUFF								
SOCIAL								

RIEGL - BRANT MATRIX

MMC - COLLAGE OF TIMES



Religion &
Discovery
15th-18th century

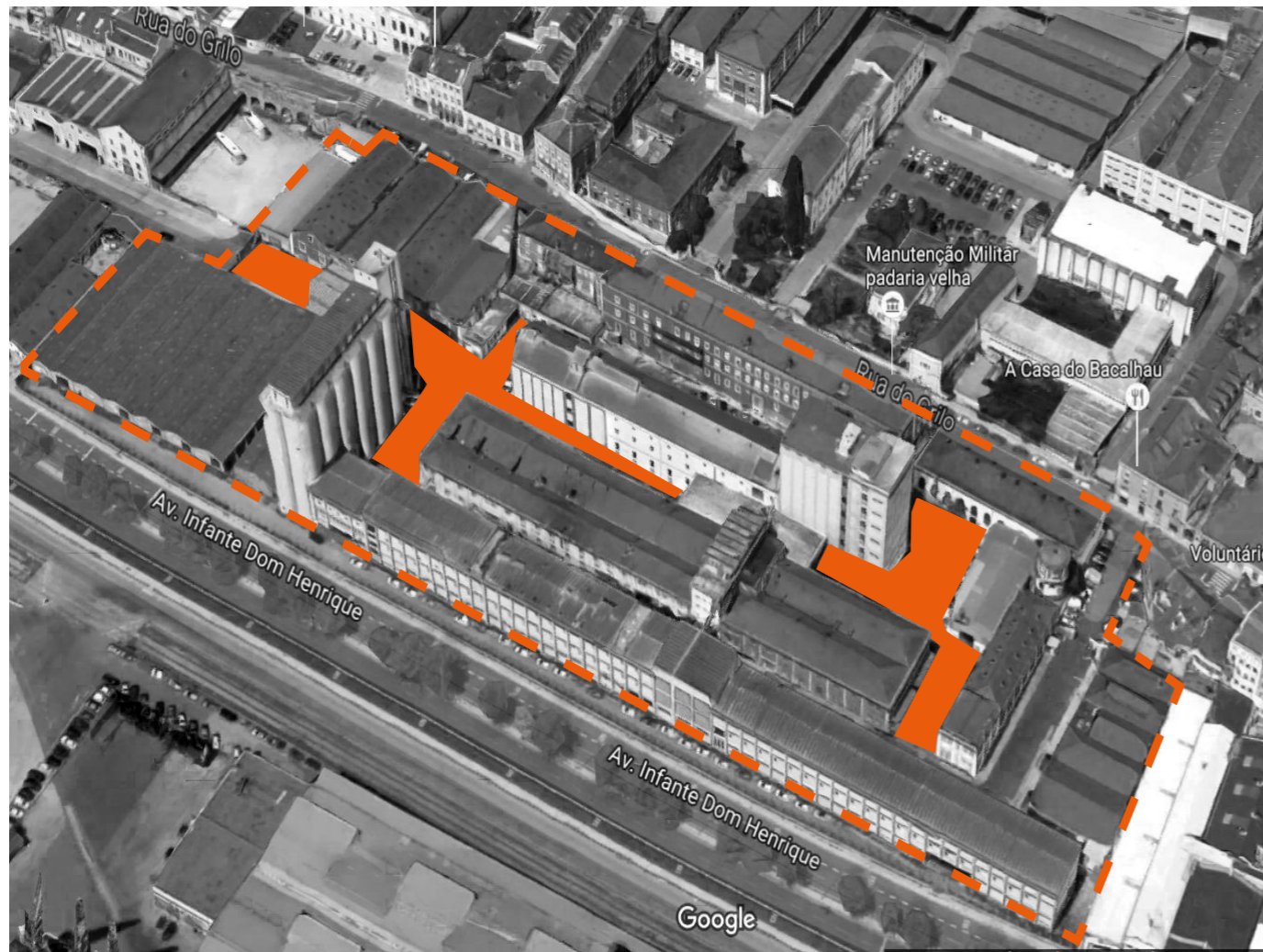


Industrialisation
(1850-1970)



Concession
(1970-now)

INTROVERT CHARACTER

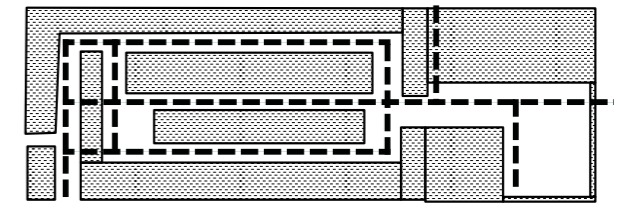
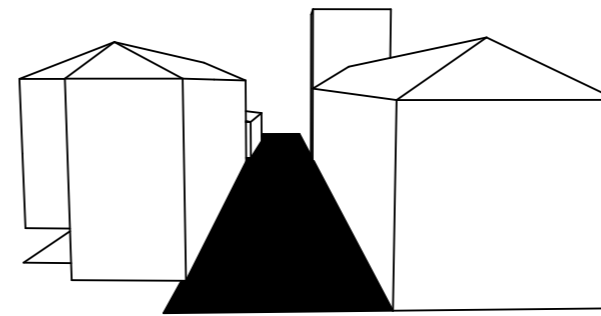


- **artistic / space**

Introvert character

The walls, fences and closed façades of the buildings are keeping the character of the space inside the complex quiet introvert. When inside, one can forget about the outside world as there is almost no visual connection to the neighbourhood.

PRAGMATIC ORGANISATION

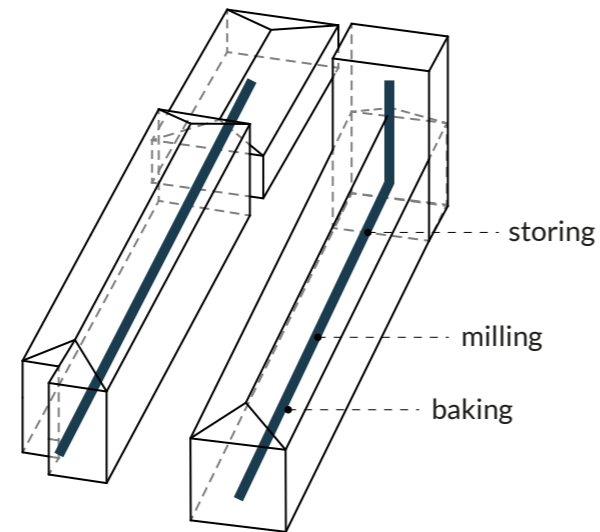
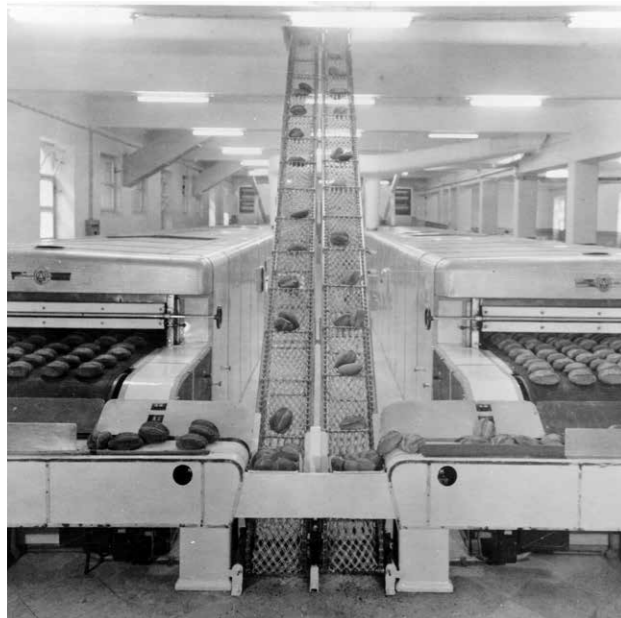


- **artistic/ structure**

Orthogonal grid

Everything at the site is submitted to the orthogonal grid. This calm logic can be perceived as the quality.

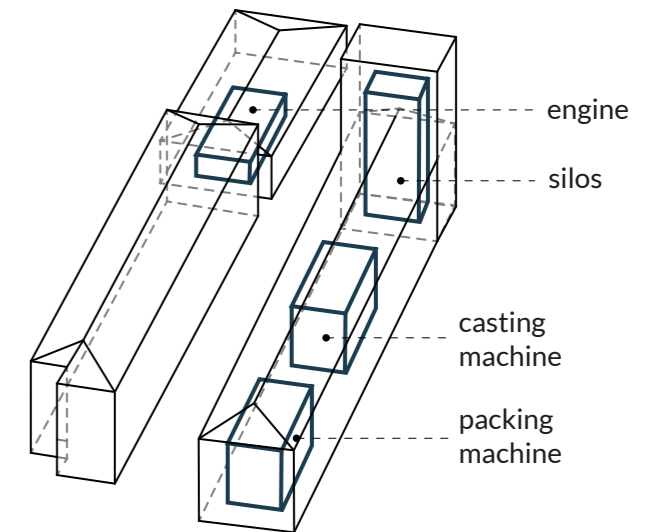
LINEAR PRODUCTION PROCESS



- **commemorative / services**

Linear production

The logic and pragmatic process of the production and the way, how the buildings are organized according to it, is something worth preserving.



- **commemorative / stuff**

Machines are the key ingredient of MMC' character.

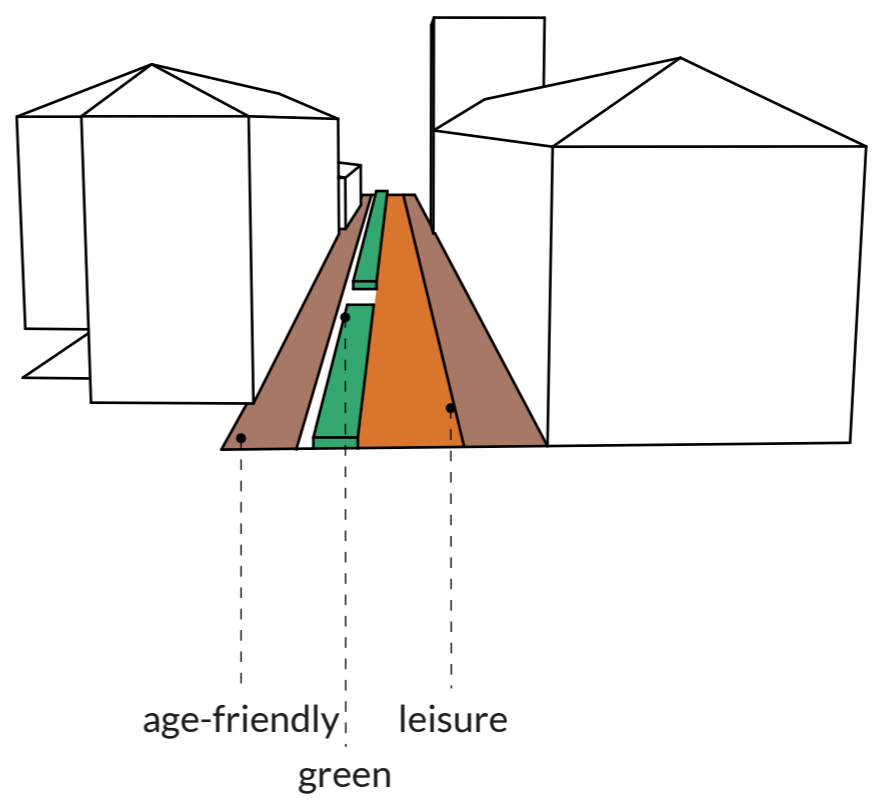
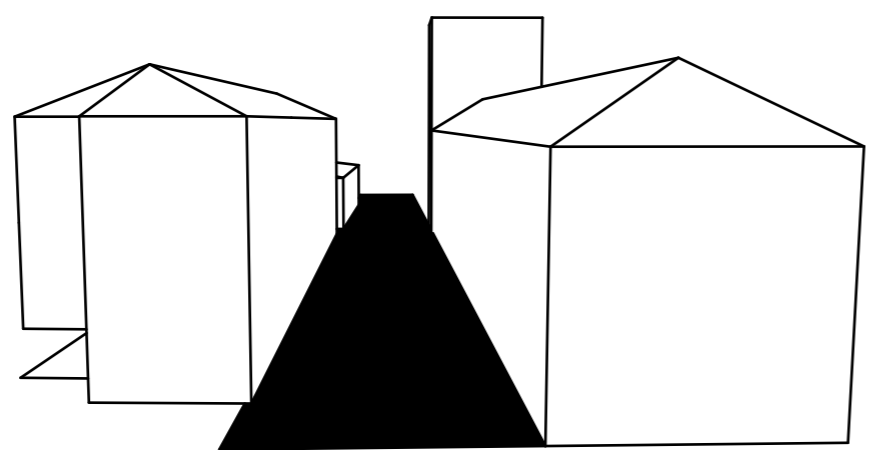
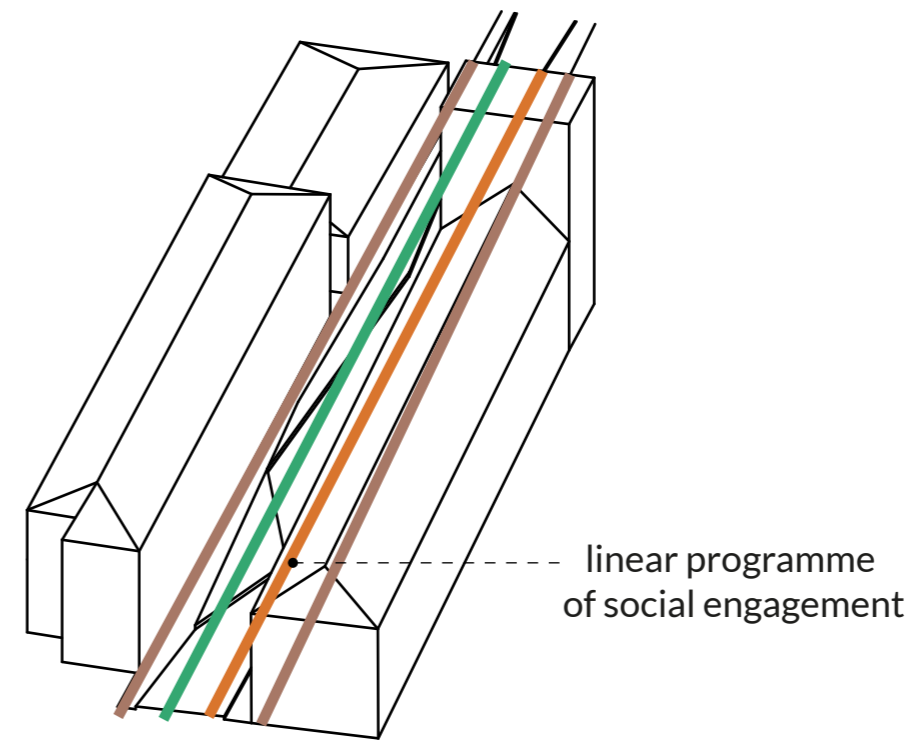
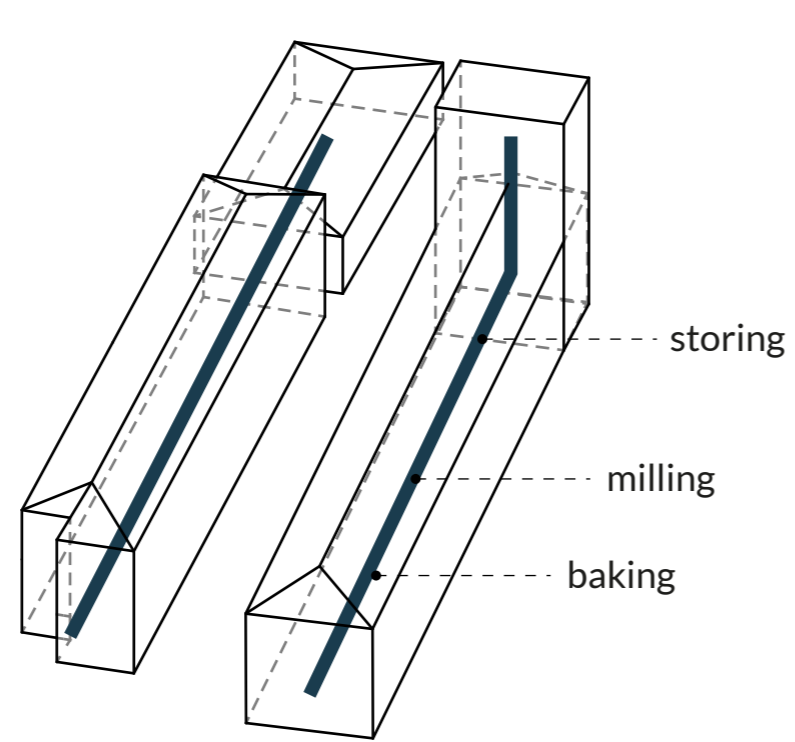


How to merge the industrial and strict layout with human-scale friendly design?



How to open the introvert complex without depriving it its character?

SOLUTION: LINEAR PROGRAMME OF SOCIAL ENGAGEMENTS

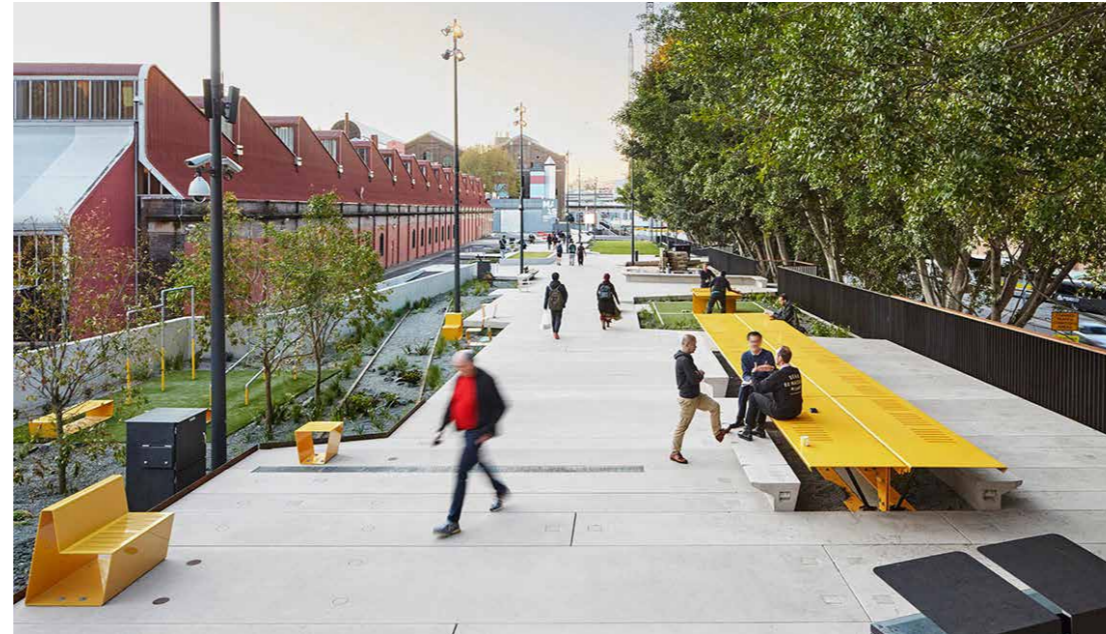


PROGRAMME

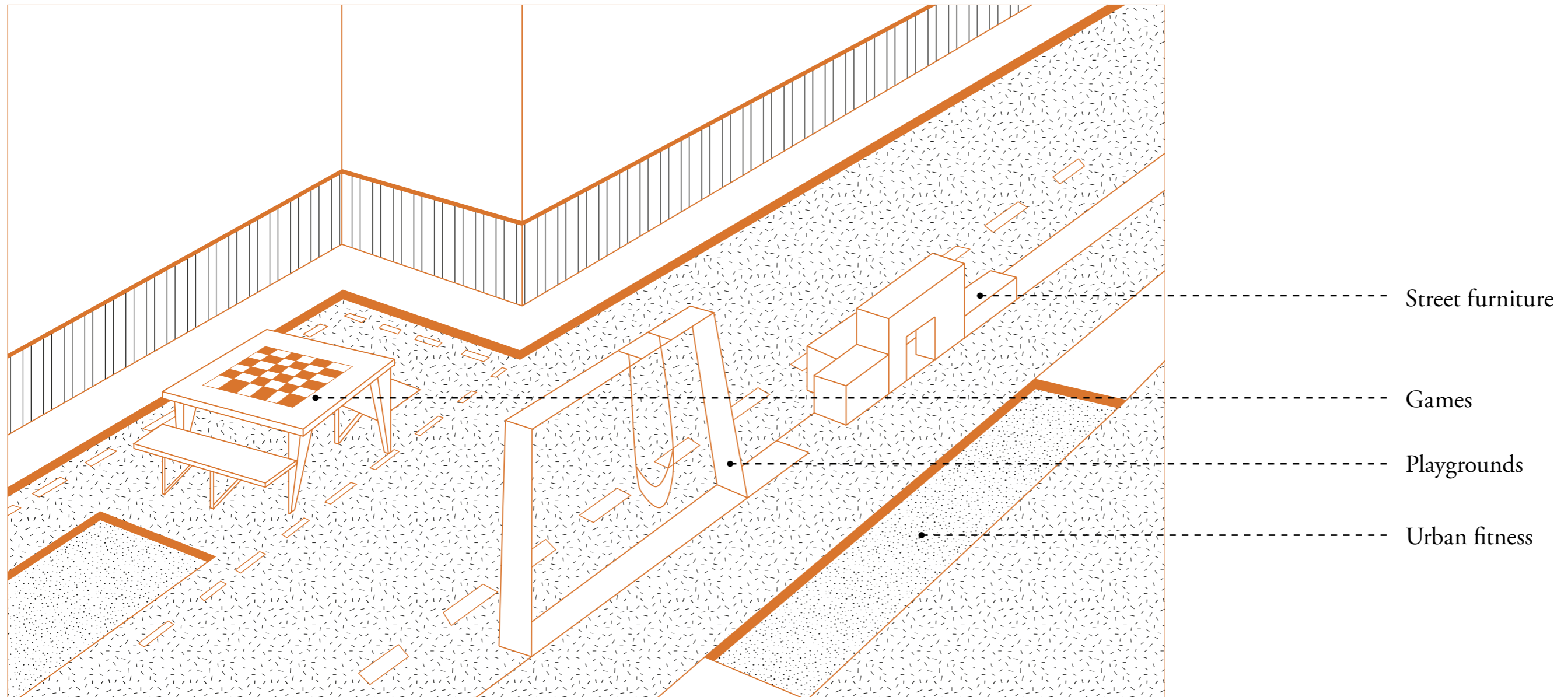


- leisure
- age-friendly
- green
- gardens / park network

HEALTH & LEISURE



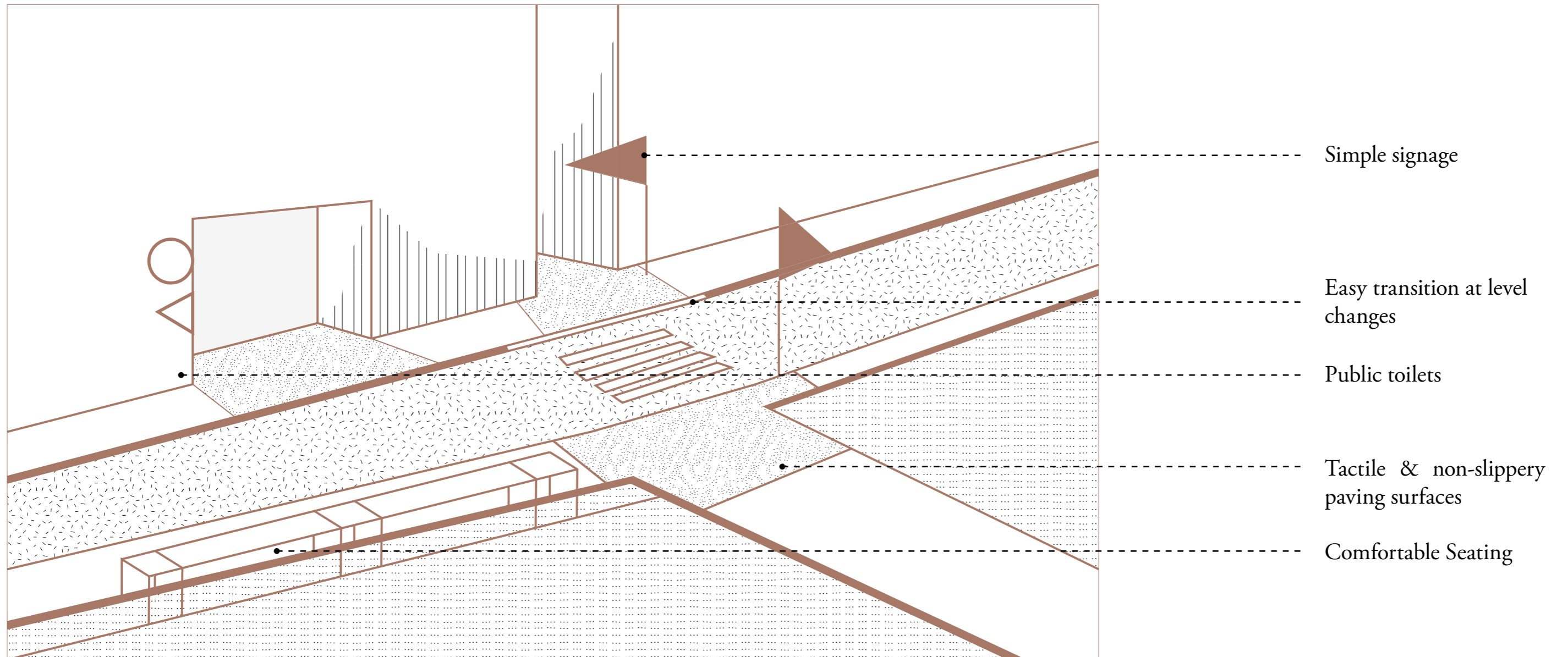
The Goods Line, Sydney, Australia



AGE - FRIENDLY



Sopron Castle District Revitalization, Sopron, Hungary



Simple signage

Easy transition at level changes

Public toilets

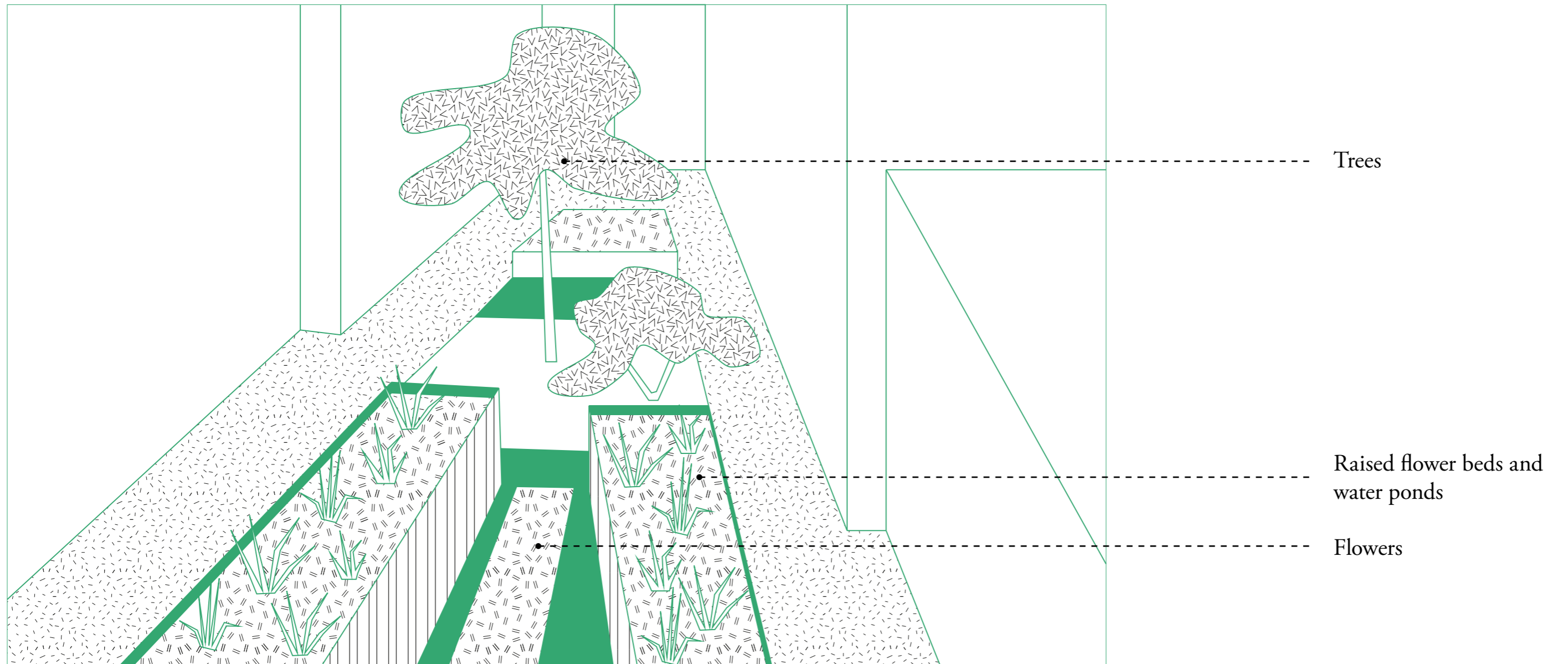
Tactile & non-slippery paving surfaces

Comfortable Seating

GREEN



Rosa Luxemburg Garden, Paris, France

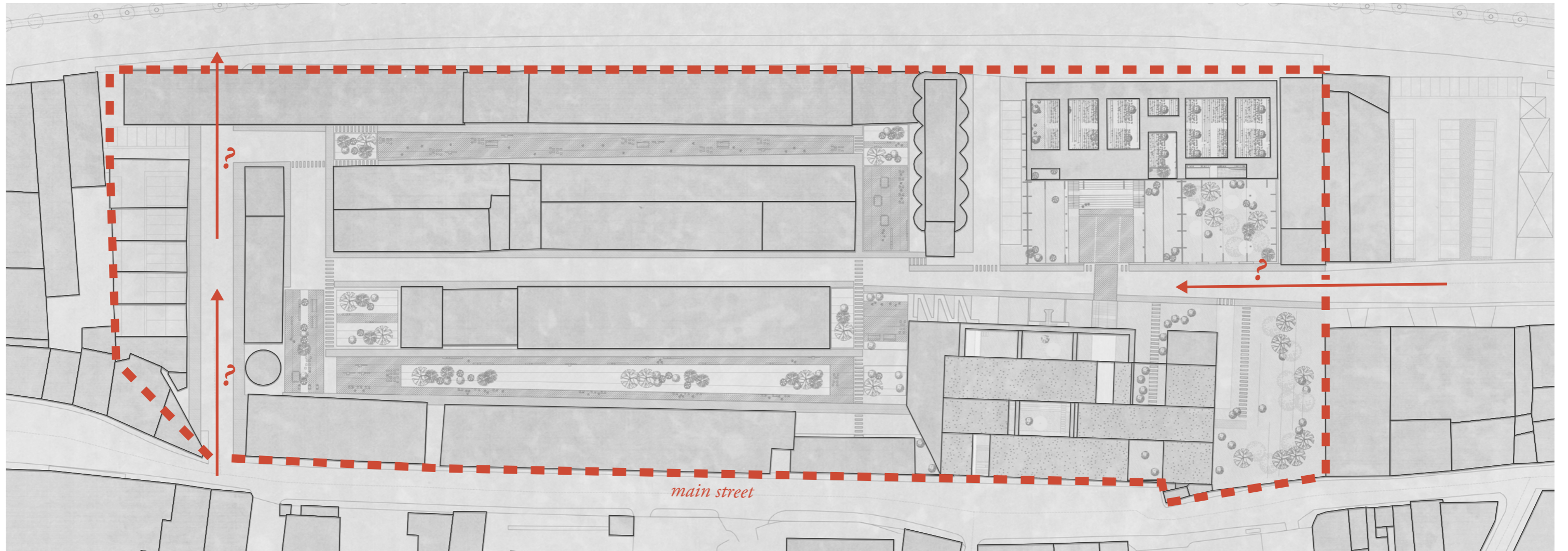


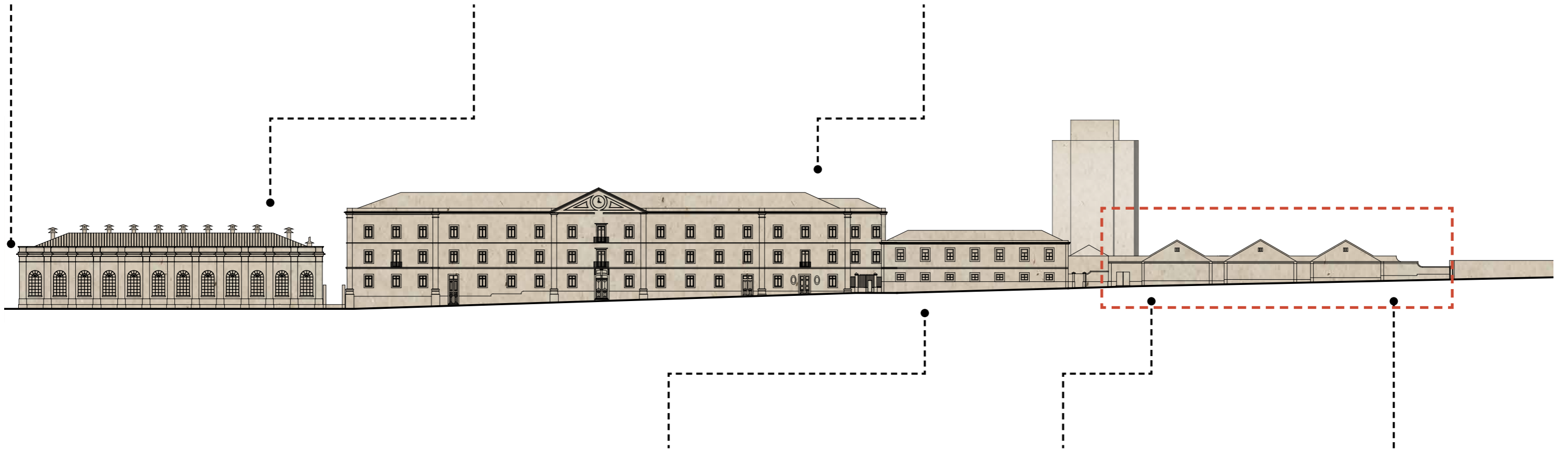
Trees

Raised flower beds and water ponds

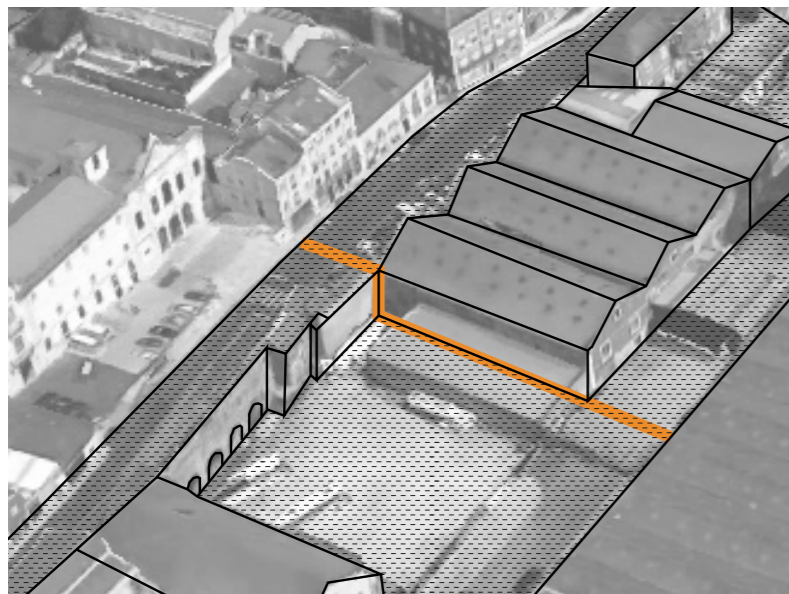
Flowers

CLOSED BORDERS / LACK OF ENTRANCE



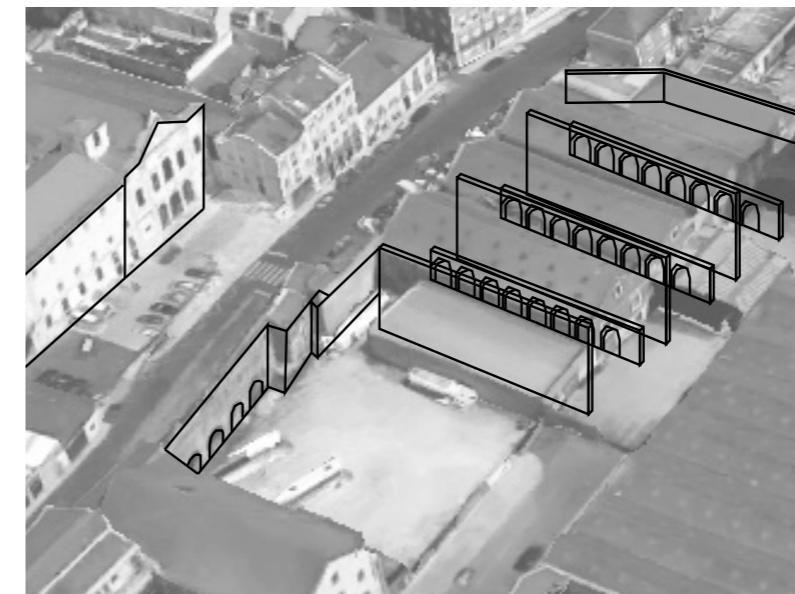


NEGLECTED TREASURES



- **use / site**

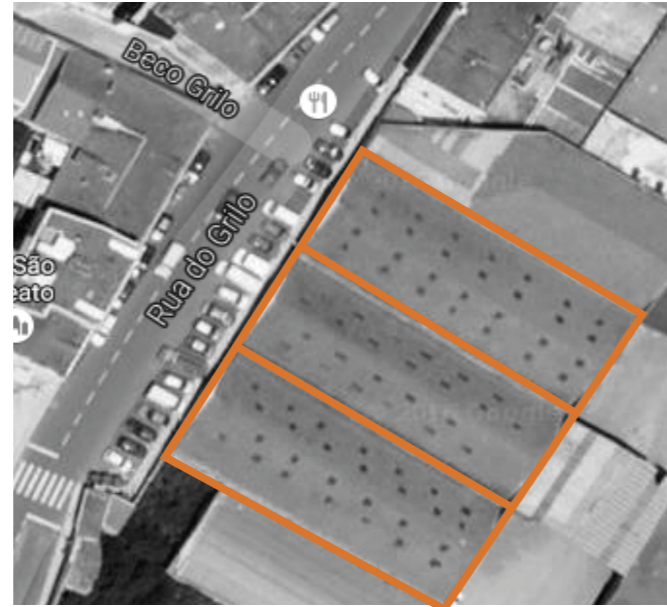
The height level difference between the street and MMC challenges to introduce some clever solutions.



- **age / surroundings**

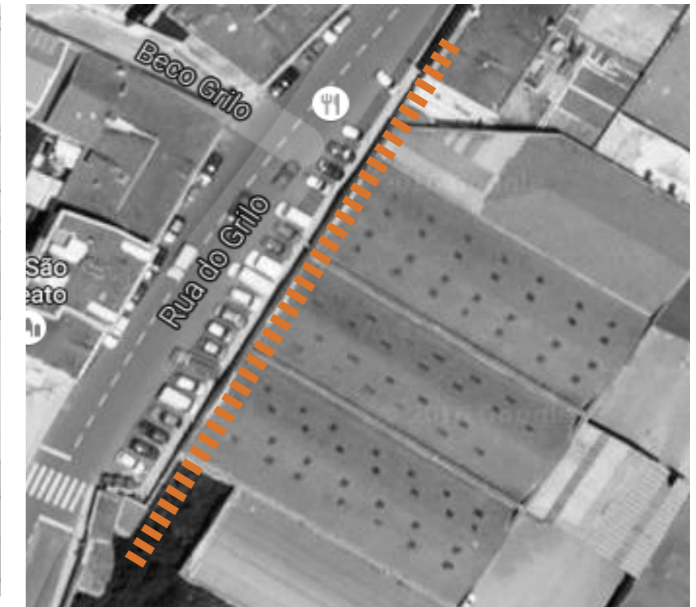
The surroundings are filled with treasures from different time periods. Especially the structure with the *caravel* is interesting.

CONDITION OF THE STREET FAÇADE



- **commemorative / space**

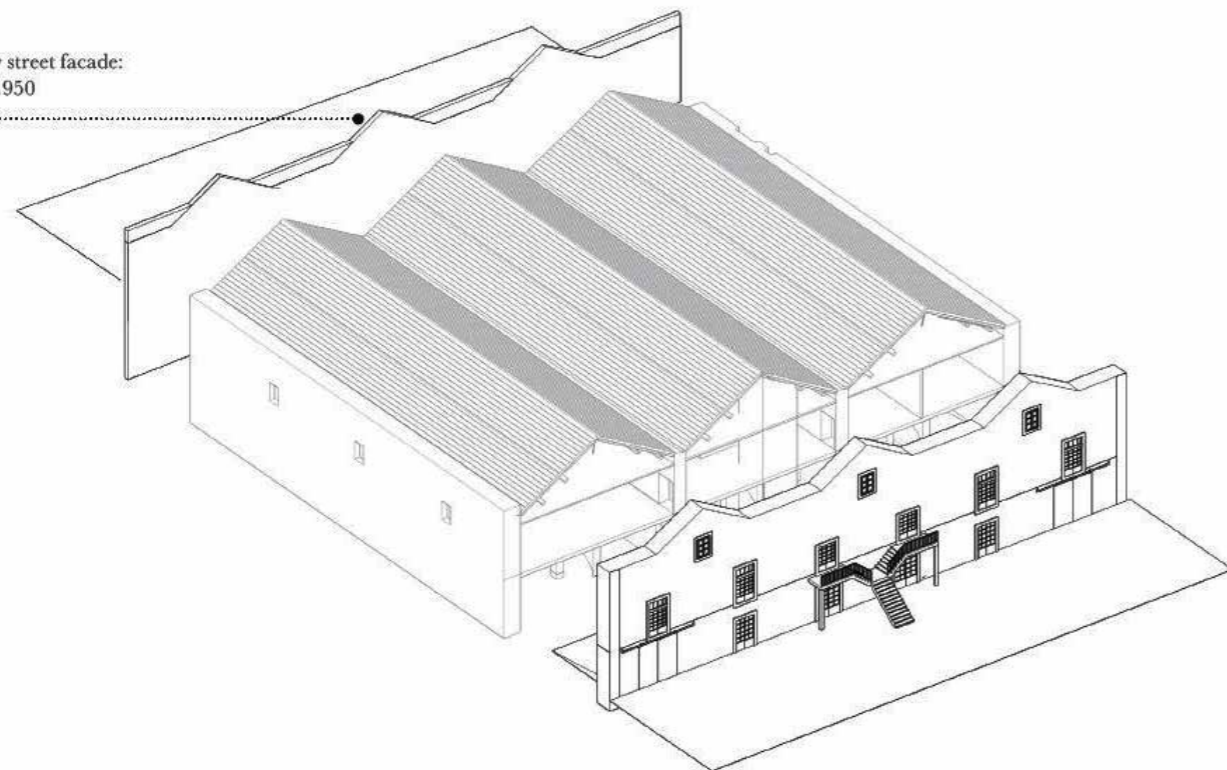
The tripled volume of the Supermarket was respected in every change made in the building.



- **conflict / structure**

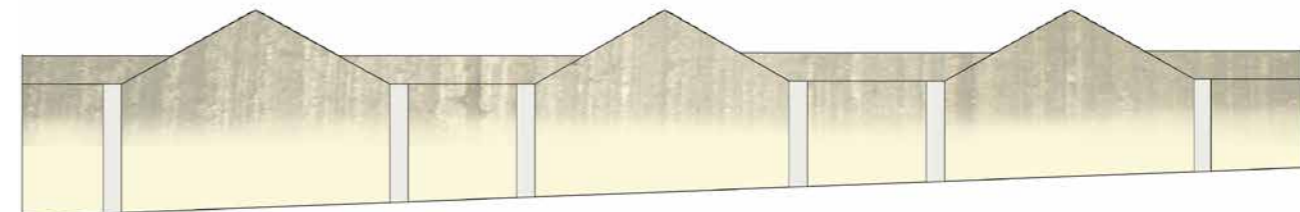
The building was once bigger but the street side has been cut.

New street facade:
ca. 1950

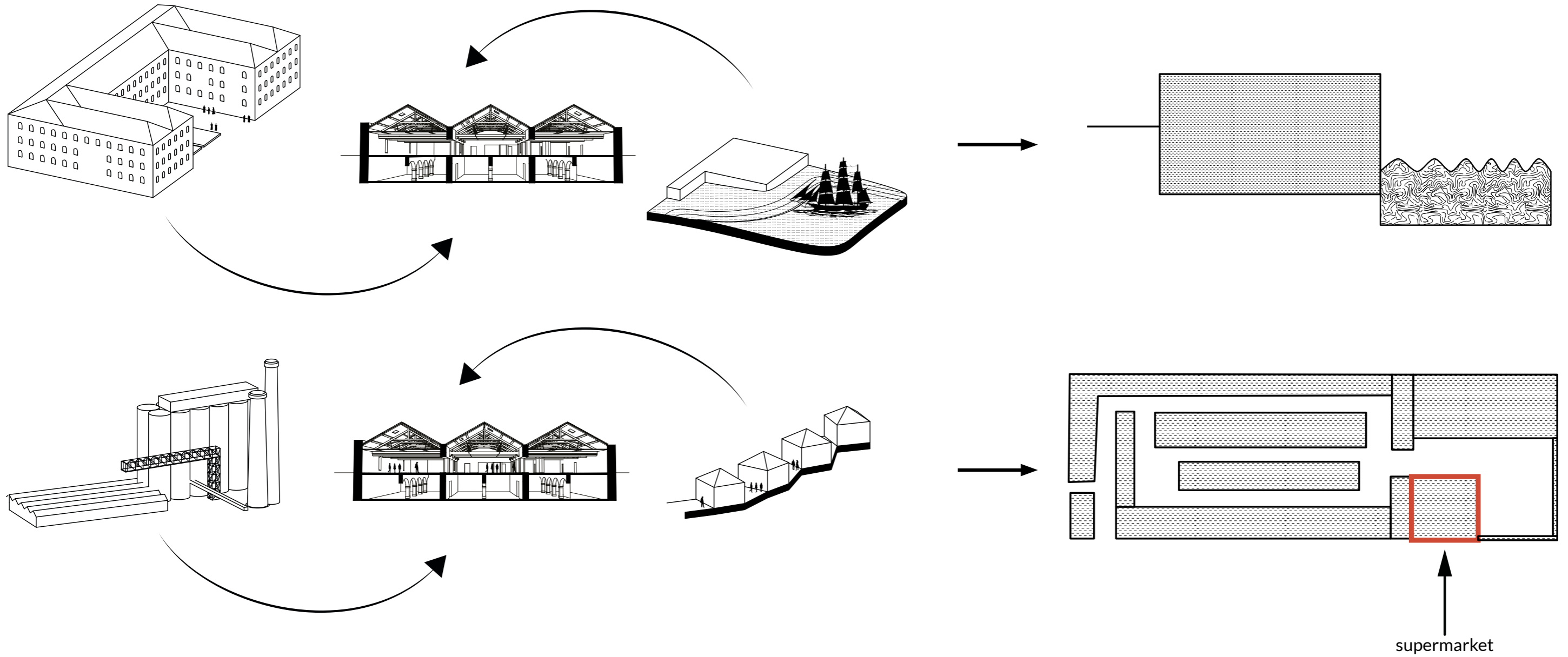


- **conflict / skin**

The difference in perception of the street facade and the MMC facade of Supermarket.
Also the street facade is not original.



PREVIOUS USE

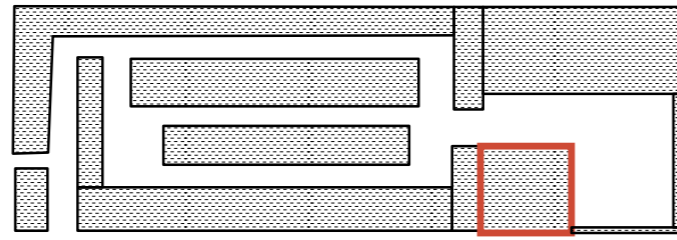


- **use / social**

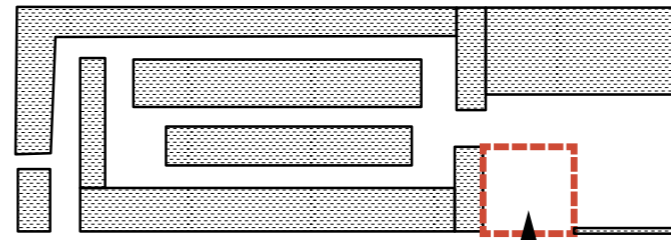
Supermarket as a gate.

Firstly it was used as a gate for the ships coming to the harbour during religion & discovery times. Later on it was used as the place where people could buy goods produced in the factories.

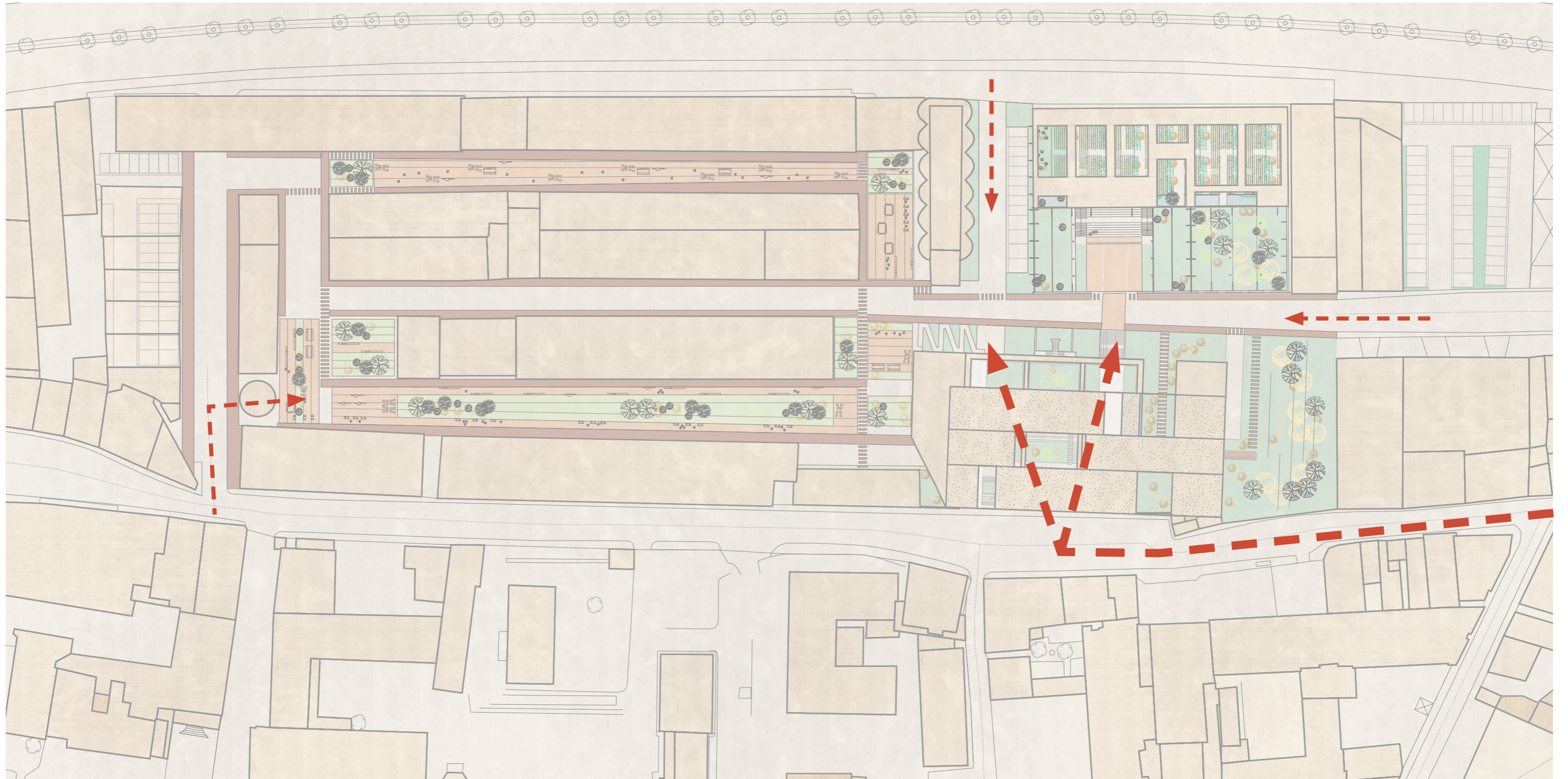
SUPERMARKET AS A GATEWAY



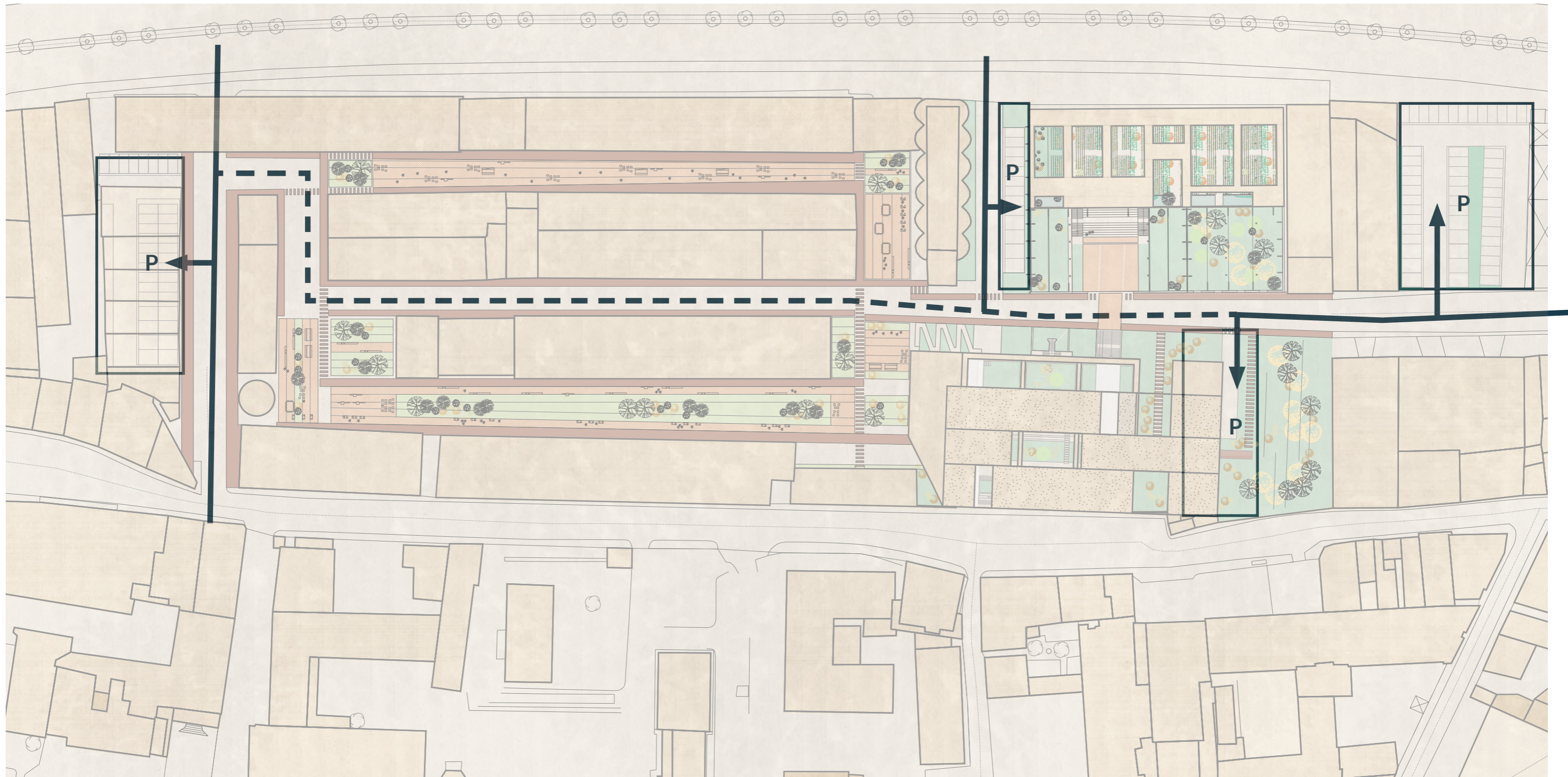
↑
supermarket



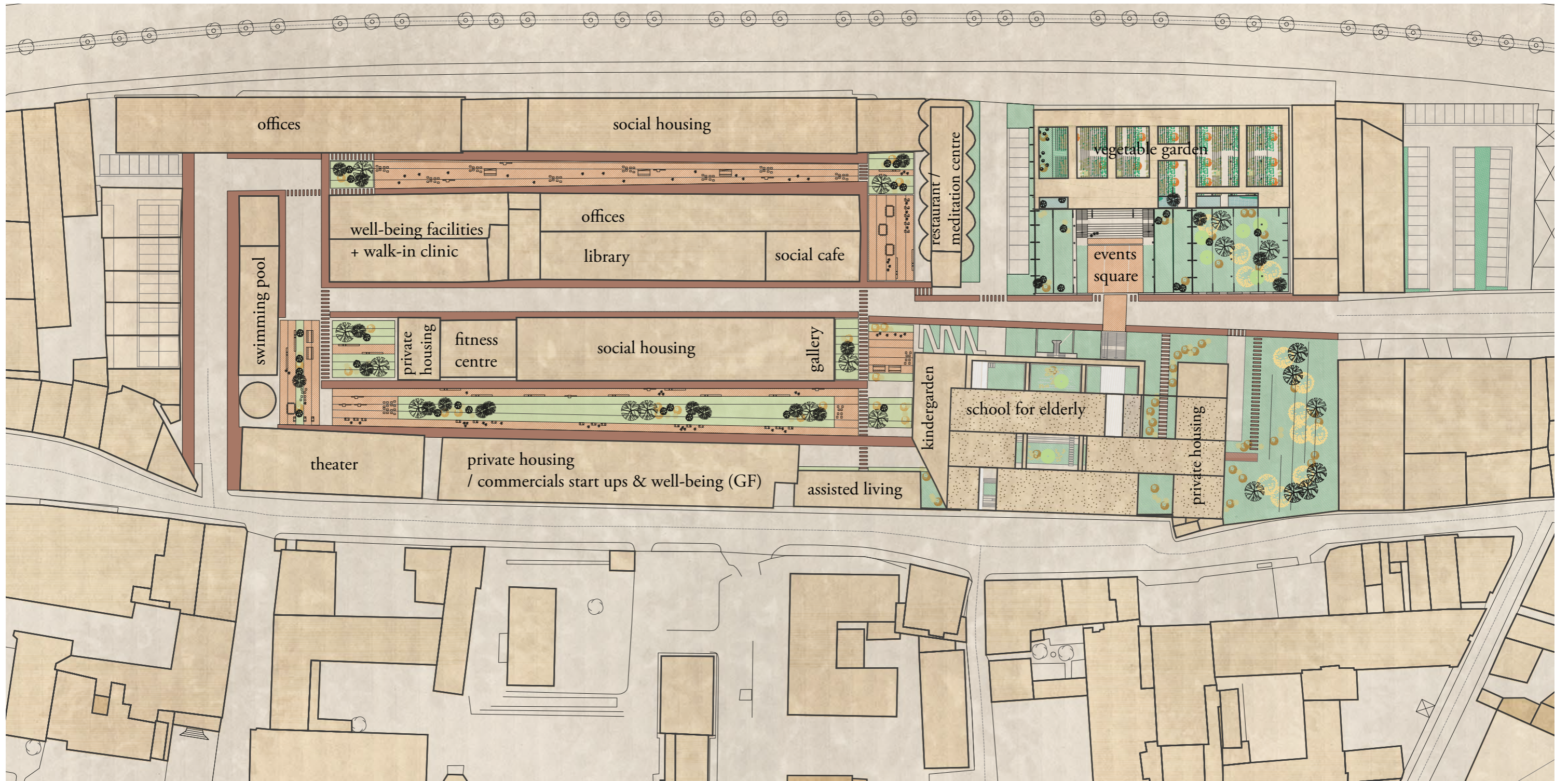
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gateway?



CAR TRAFFIC & PARKING



FUNCTIONS: PROFITABLE AND SOCIAL

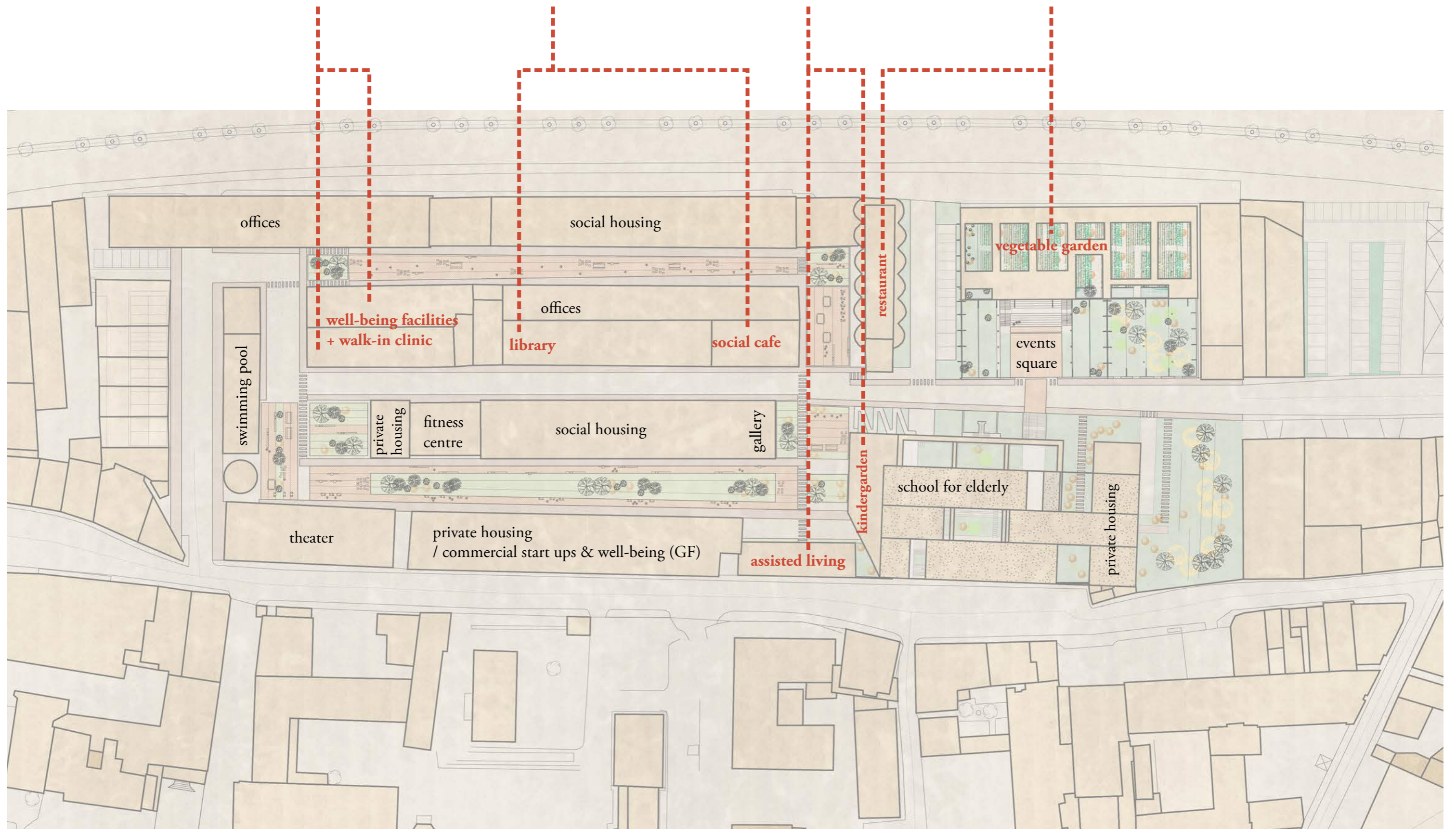


Walk-in clinic has the advantages of being accessible and inexpensive. The clinic is partially financed by the wellness centre.

People visiting the library can work and read books in the local café. That means more visitors for the café and more comfort for users of library.

Studies show that bringing young and old has many advantages. It is based on the philosophy of voluntarily helping each other.

Farm to table is the very popular concept. The fresh and seasonal food can be a real attraction. The gardens are profitable hobby for residents.



CONCEPT

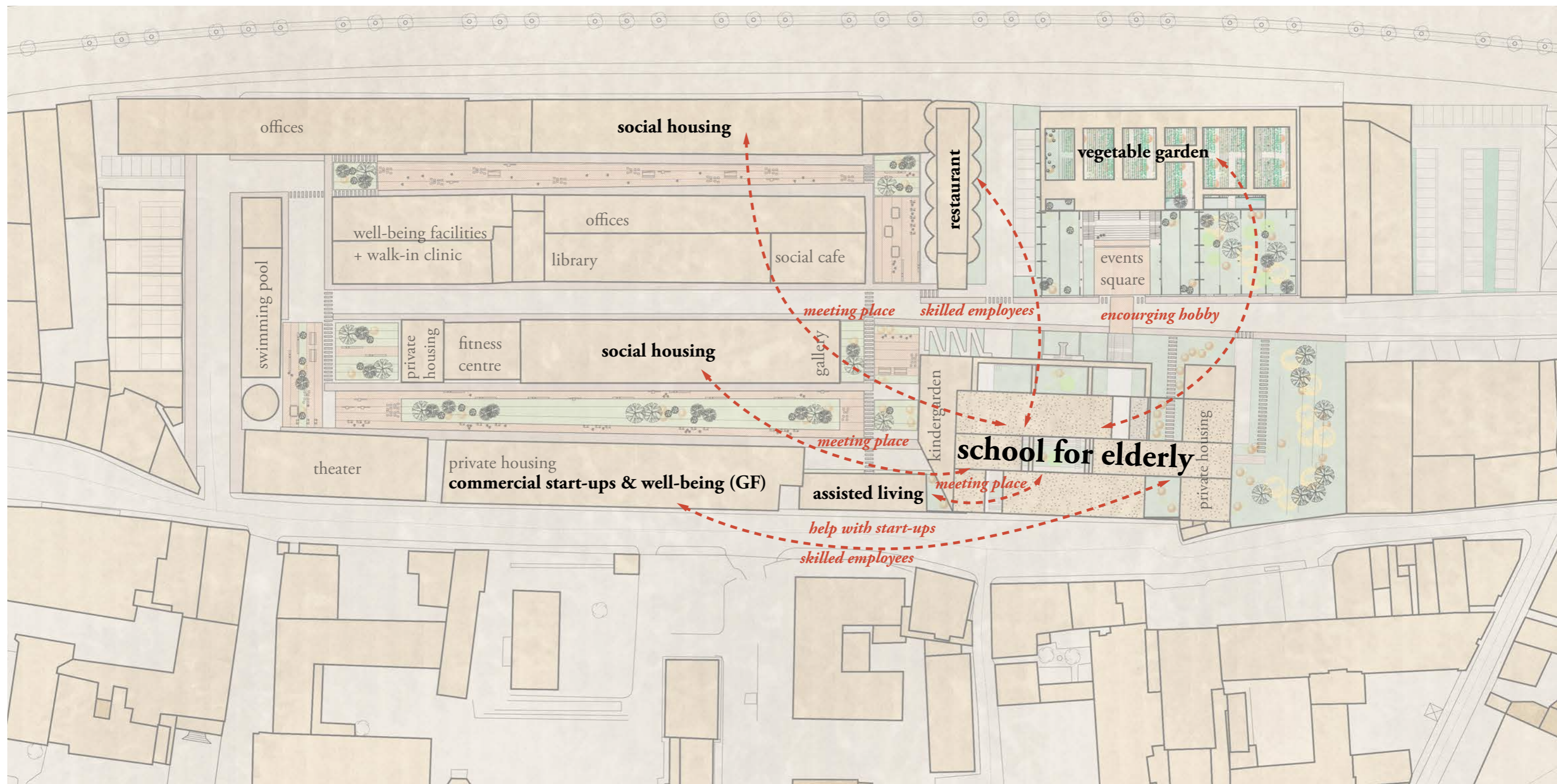
Small scale

THE CATALYST: SCHOOL FOR ELDERLY

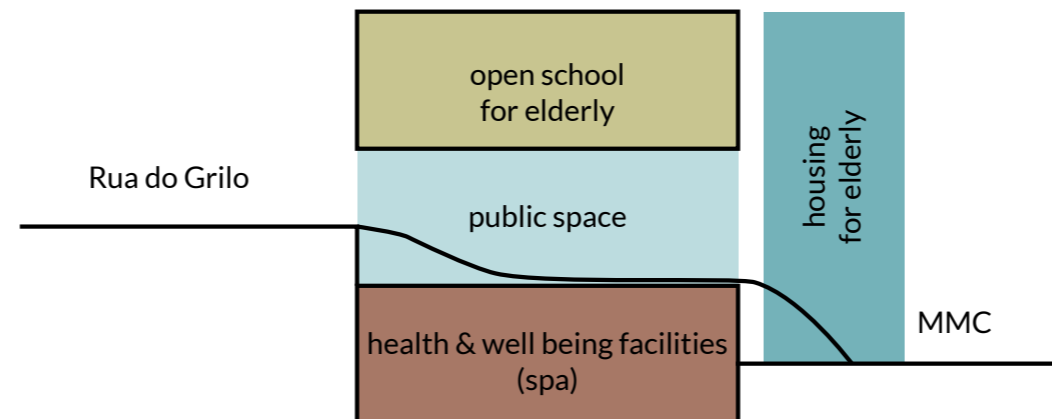
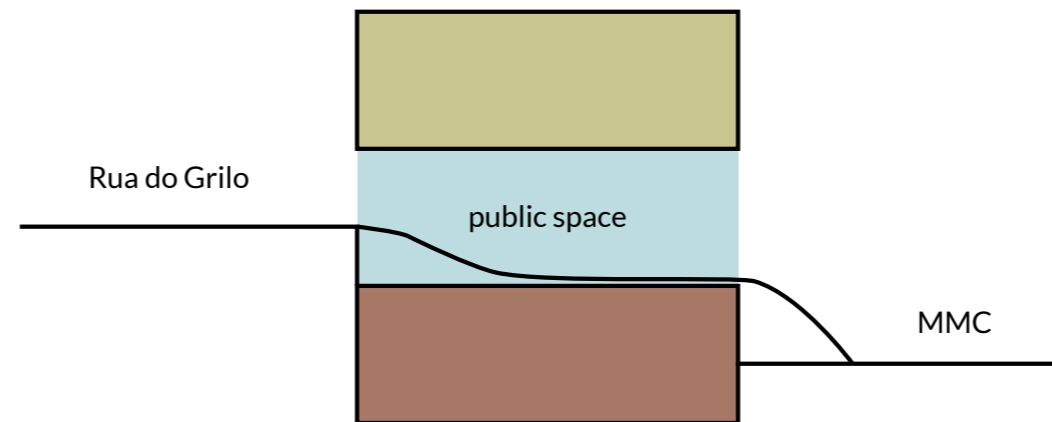
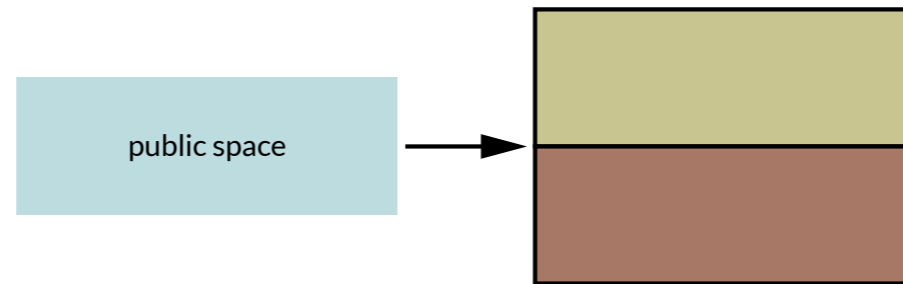
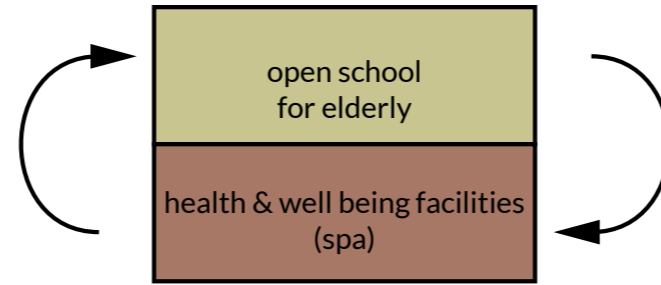


Patrick Vale, Silver Linings, RIBA 2013

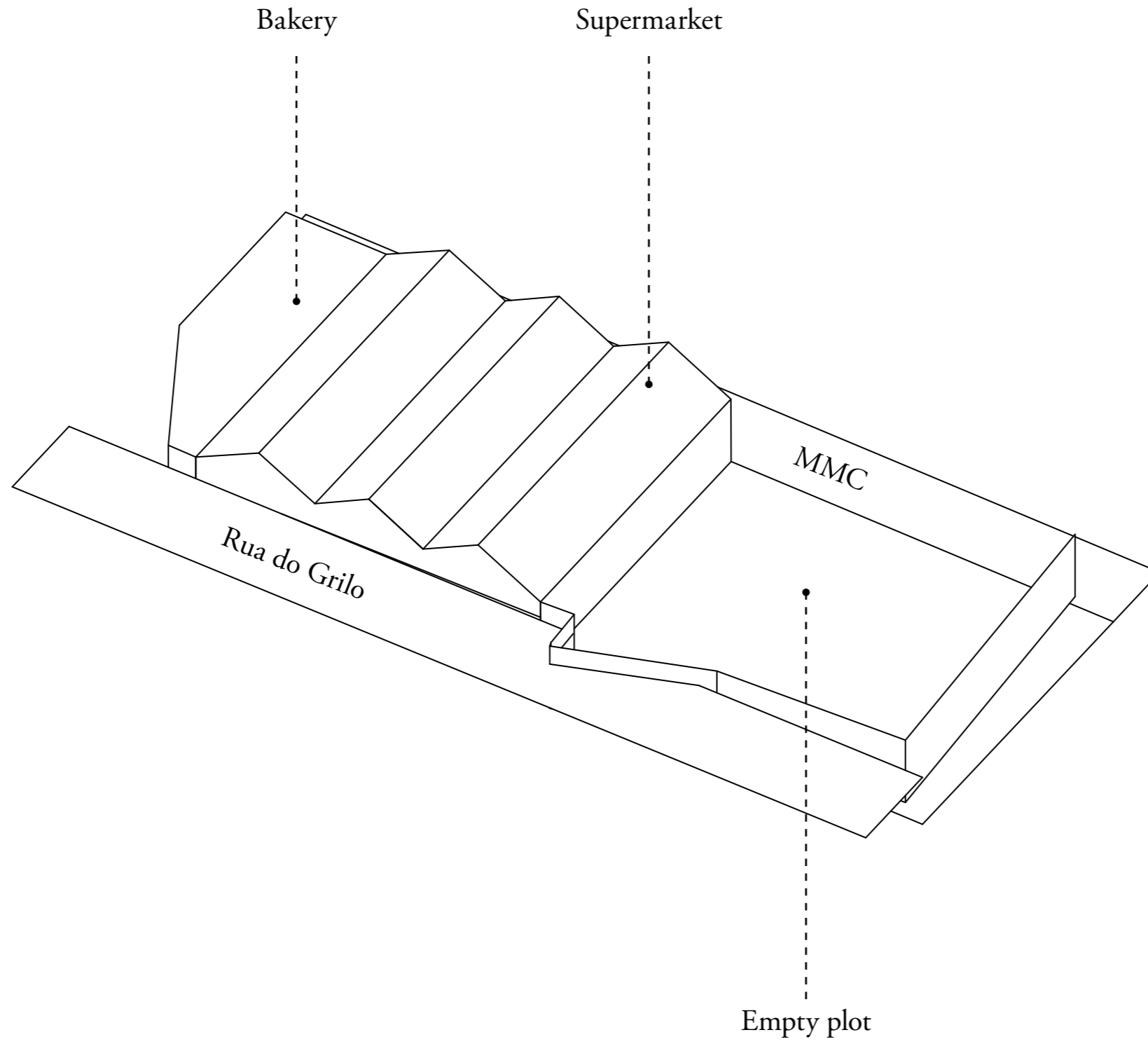
- gaining new profession (re-training / moving to different sector)
 - helping with start-up business
 - learning for enjoyment
 - sharing talent & skills with others
 - keeping in touch with modern world
 - education and self-awareness of health
 - socializing
- blurring boundaries between work, education and leisure



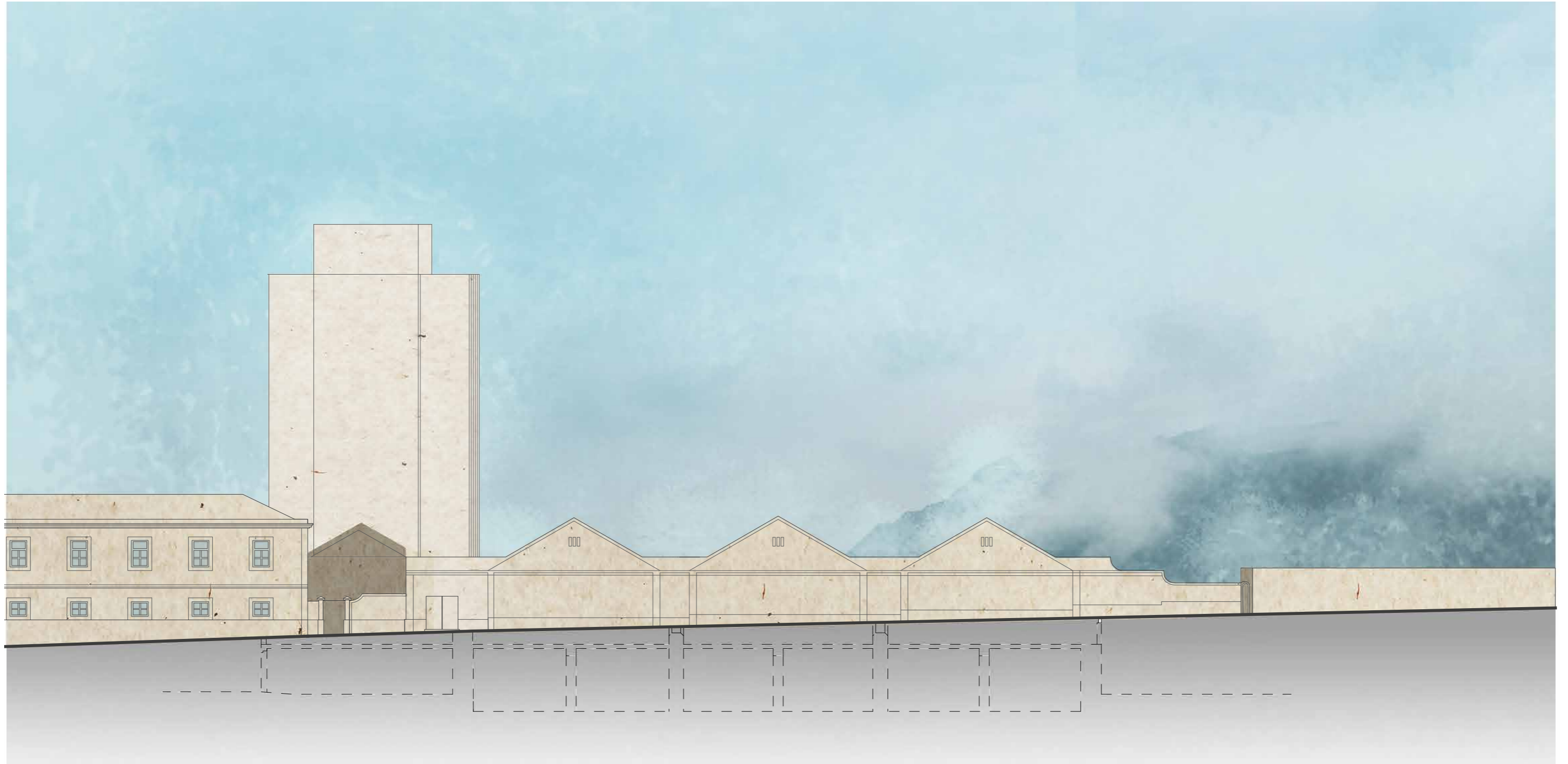
FUNCTIONAL CONCEPT



EXISTING SITUATION



EXISTING SITUATION



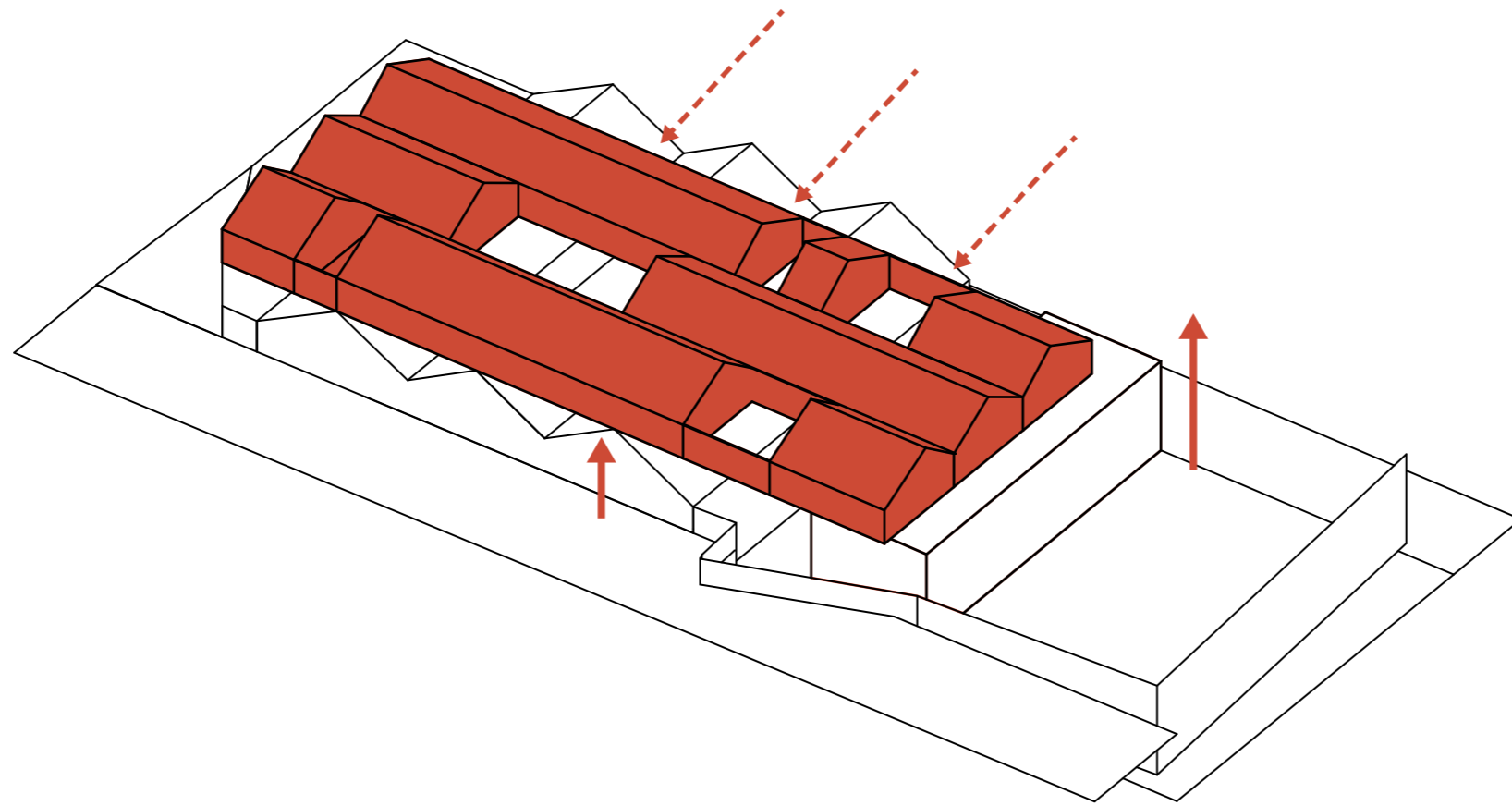
OPEN UP



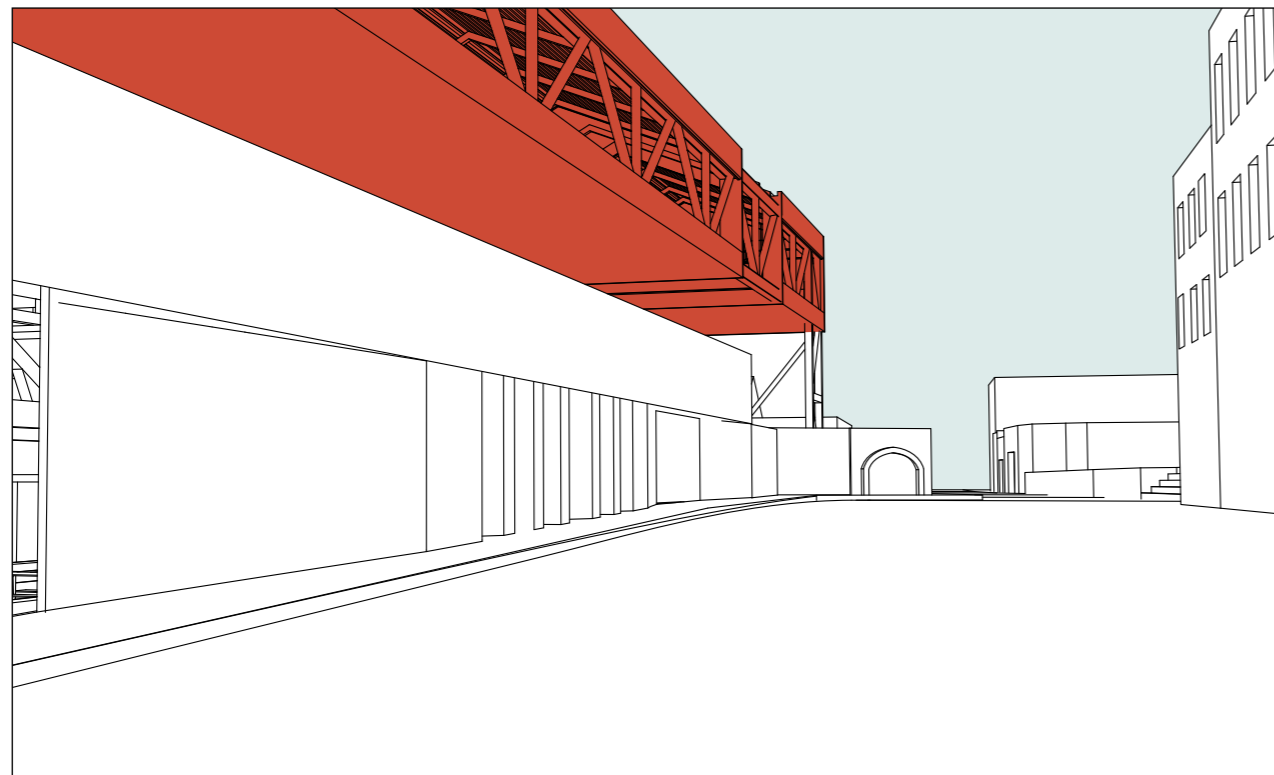
TOP UP



HEIGHTS



higher needed



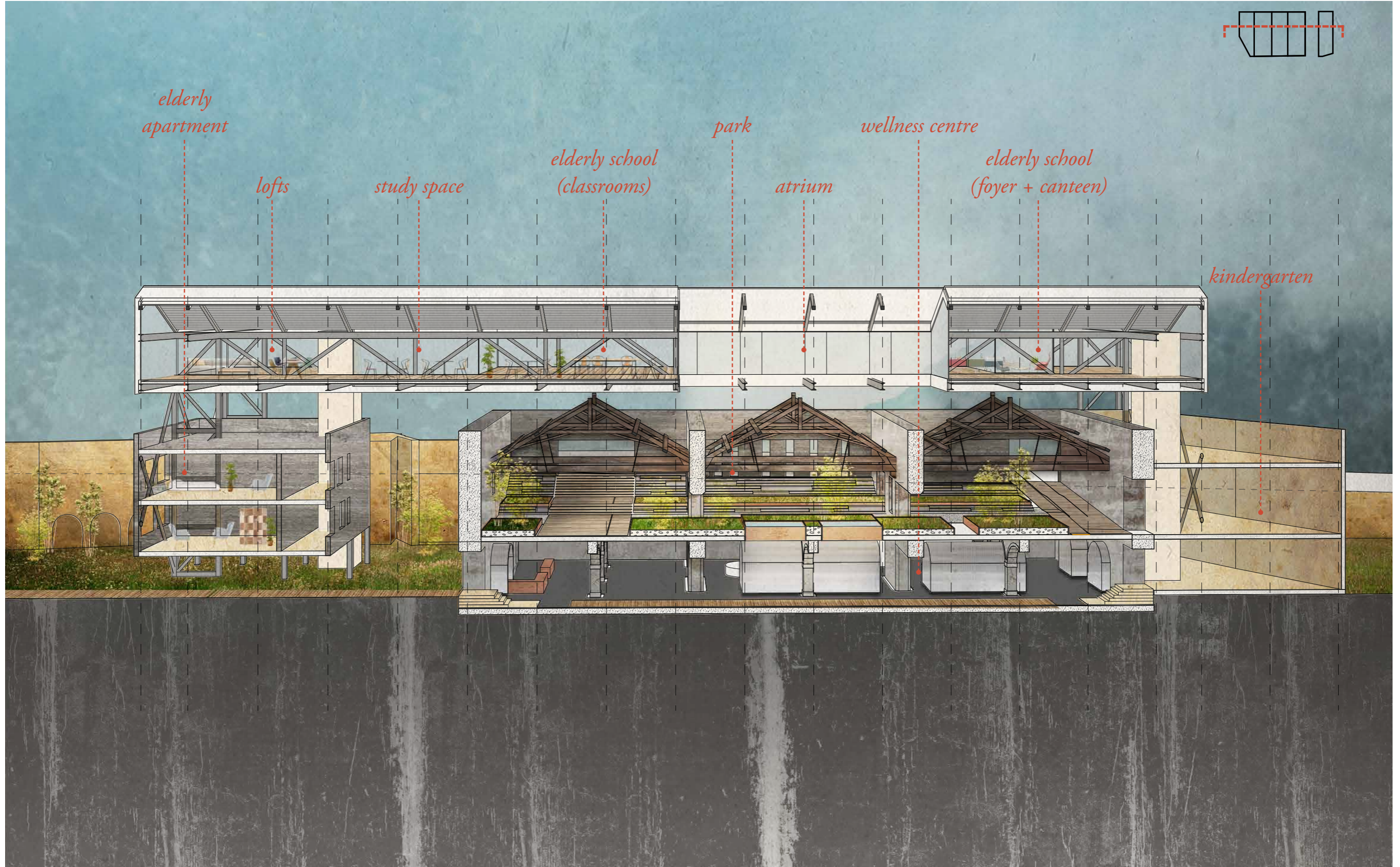
lower needed



MMC SIDE



SECTION BB



THE SUPERMARKET



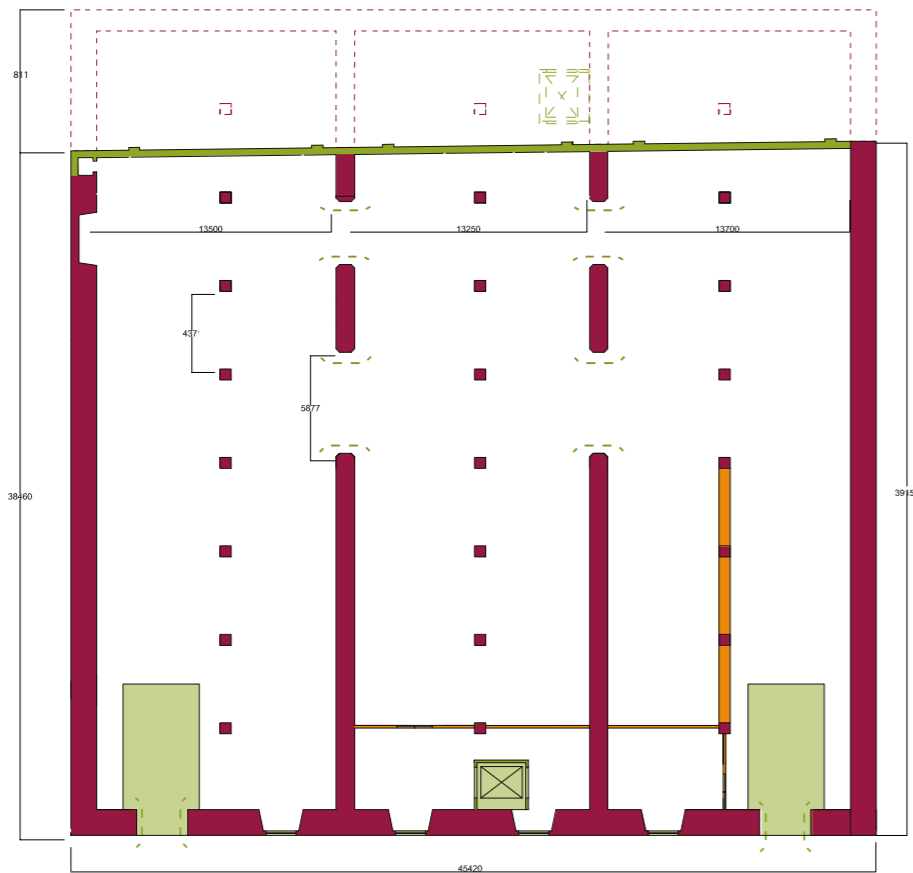
Religion &
Discovery
15th-18th century



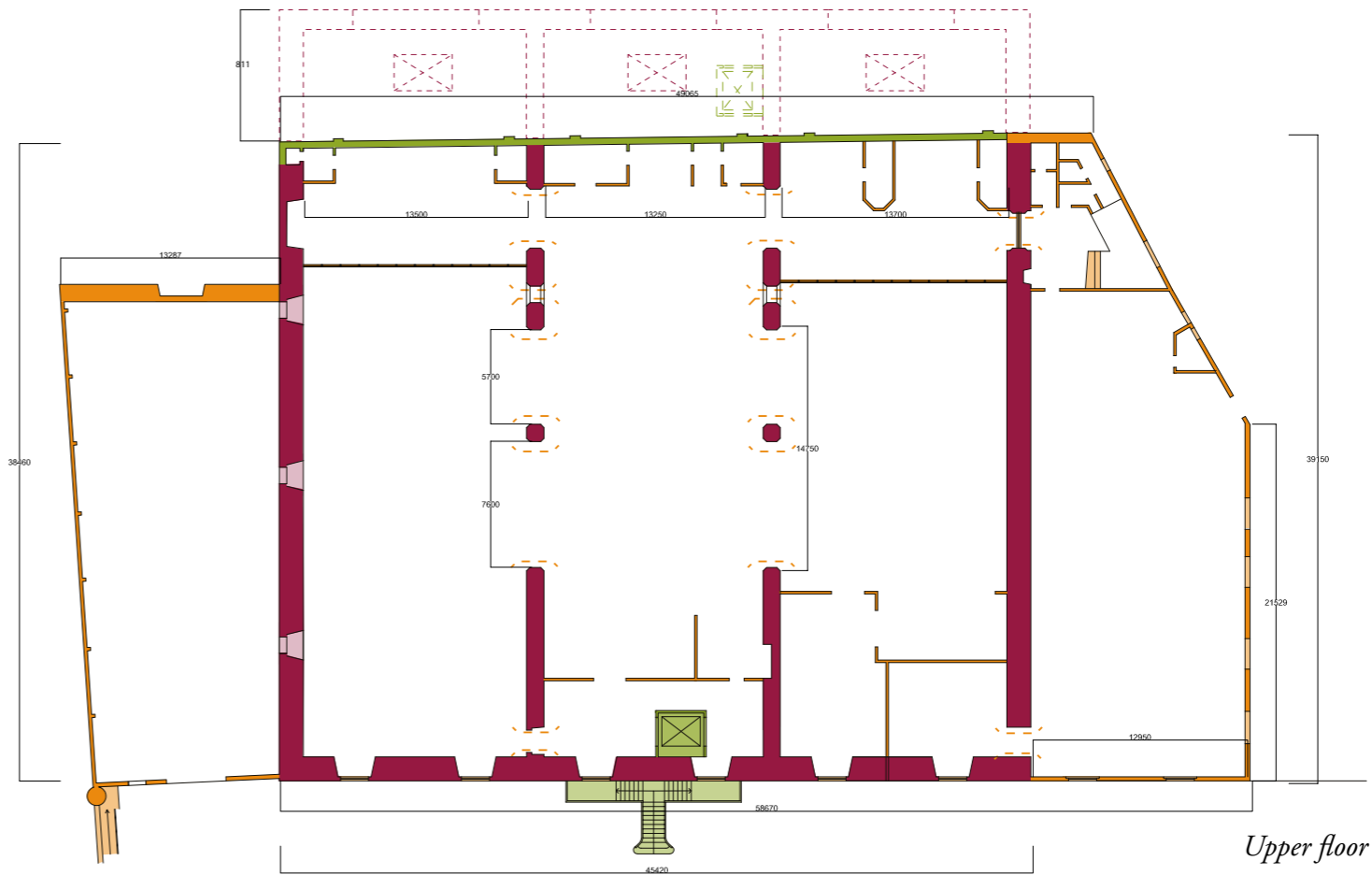
Industrialisation
(1850-1970)



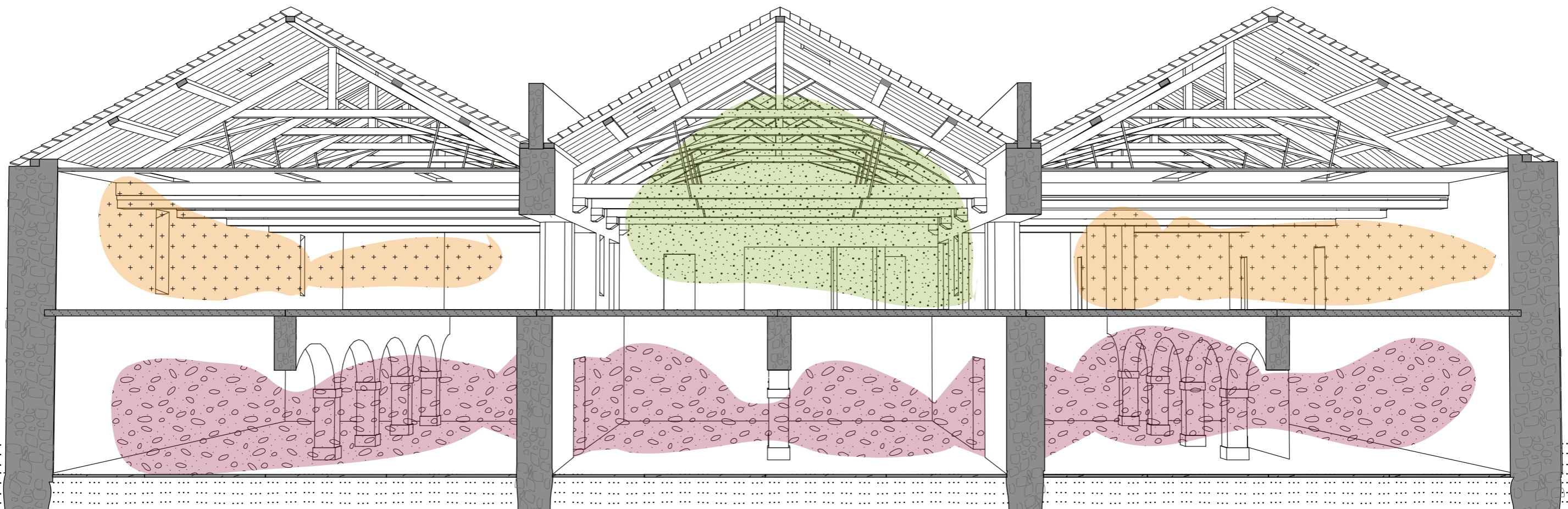
Concession
(1970-now)



Basement

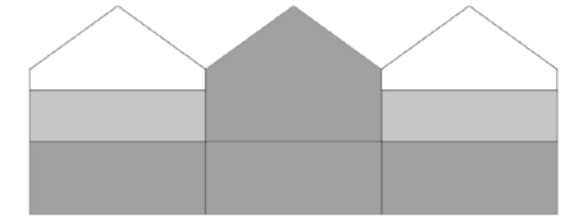
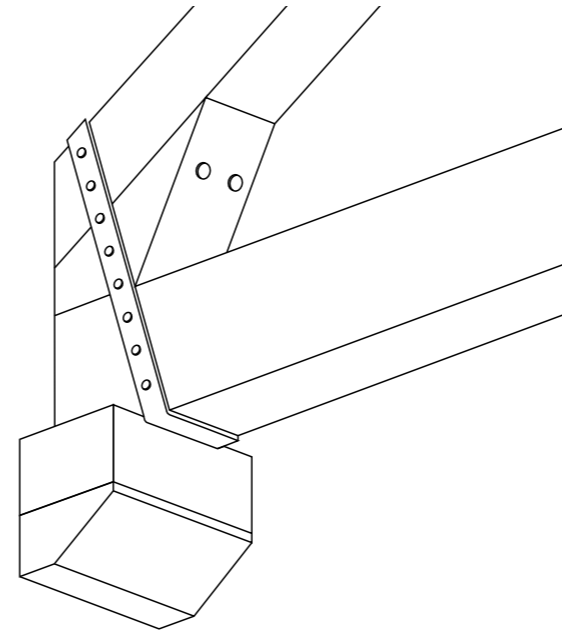


Upper floor

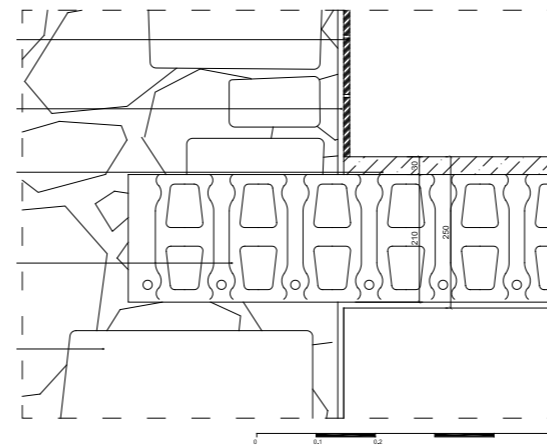


LAYERING OF THE STRUCTURE

Industrialisation



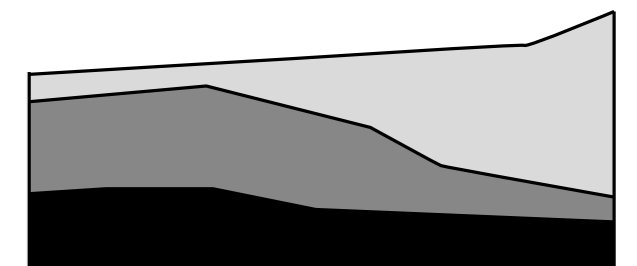
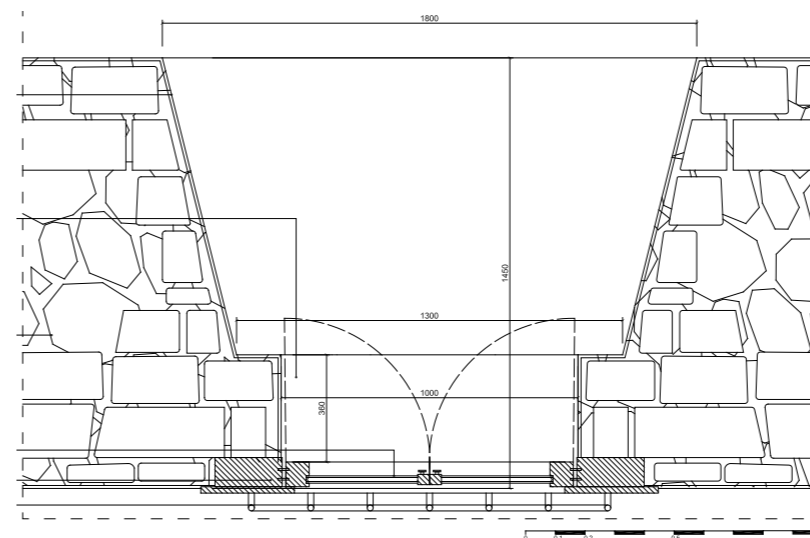
Concession



• **artistic / space**

The height differences between the spaces in the upper floor and the layout of the basement are allowing to experience the whole space at the same time and gives the *church-like* feeling.

Religion & Discovery



• **historical /structure**

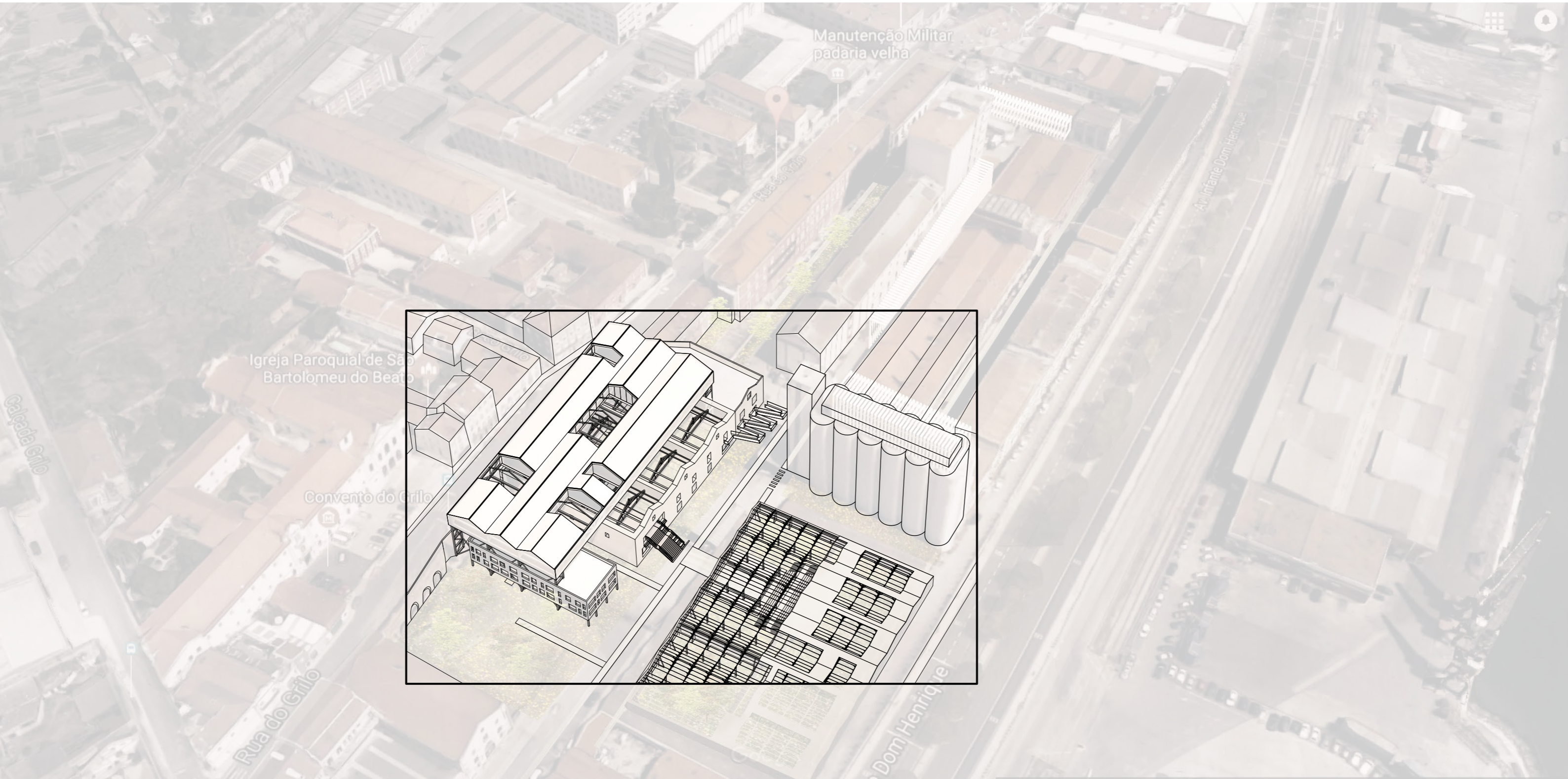
Inside the building it is very easy to determine time period of the construction: the arches, the wooden roof trusses etc. - they all represent different time layer.

JOURNEY - PART I

Why to top up?

NEW NARRATIVE





Manutenção Militar
padaria velha

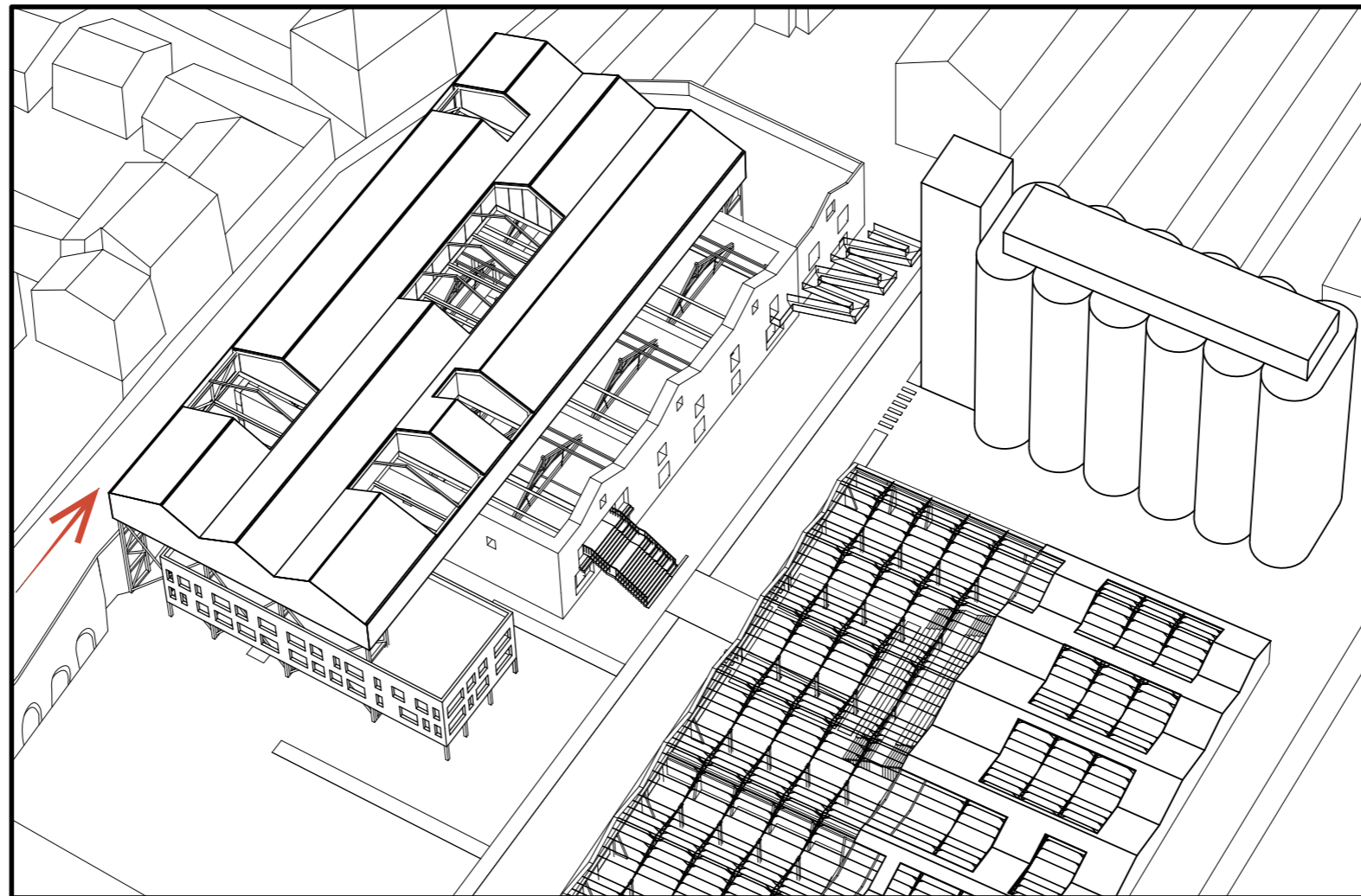
Igreja Paroquial de São
Bartolomeu do Beato

Convento do Grilo

Rua do Grilo

Rua Dom Henrique

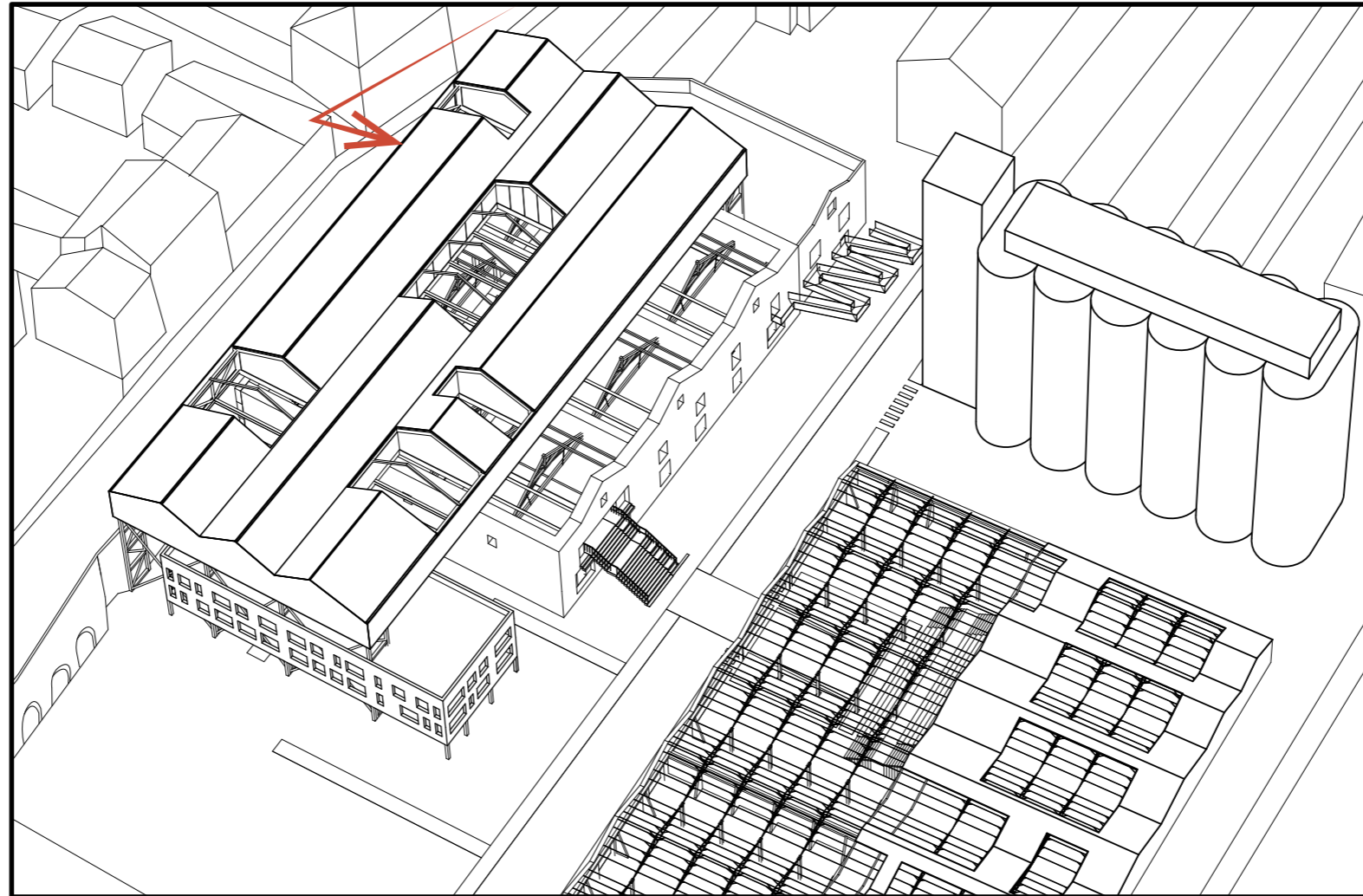




Approaching the complex from the south by walking along Rua do Grilo

SIGN OF ACTIVITY

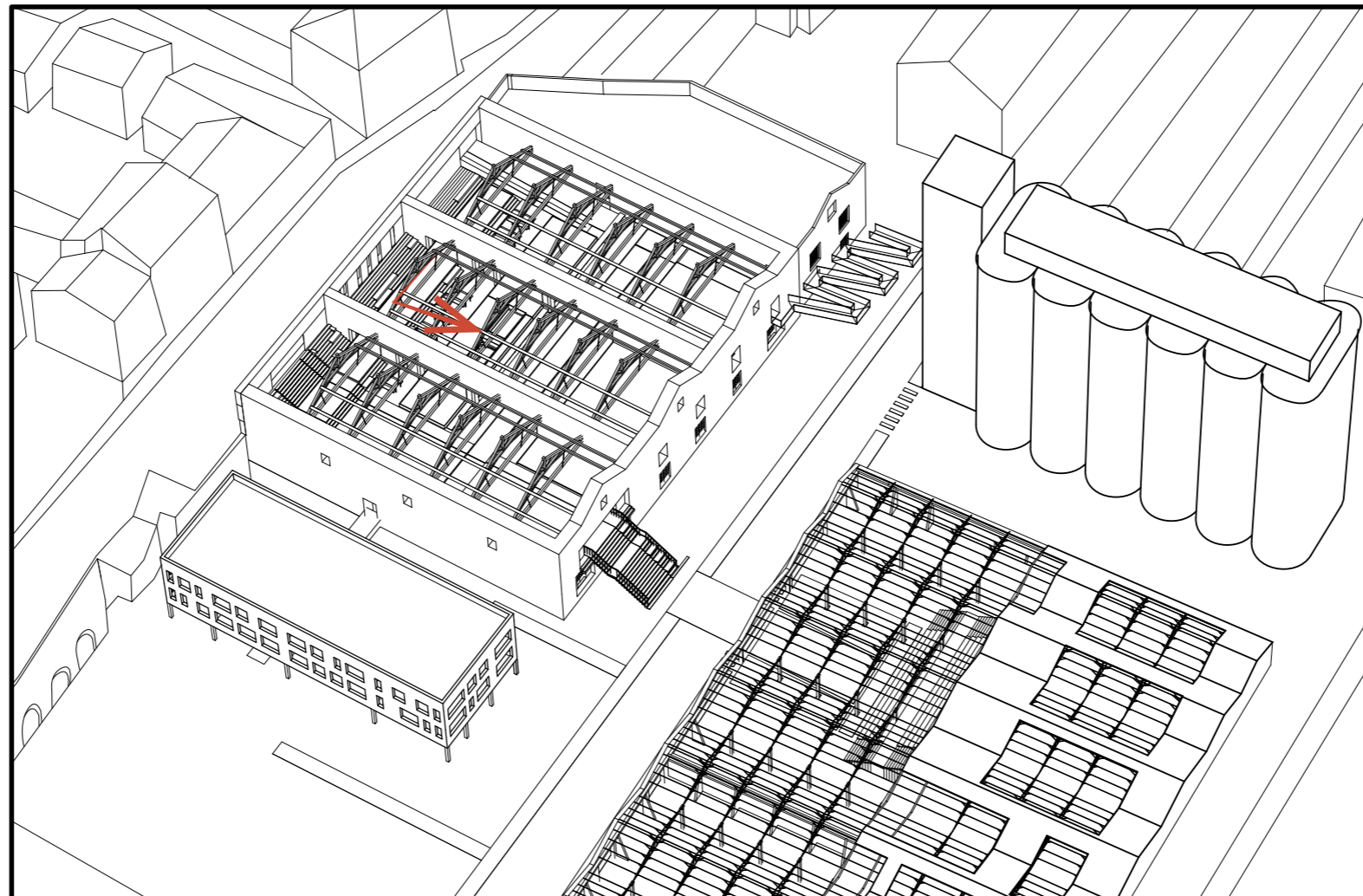




Entering the Gate of MMC in the previous Supermarket building

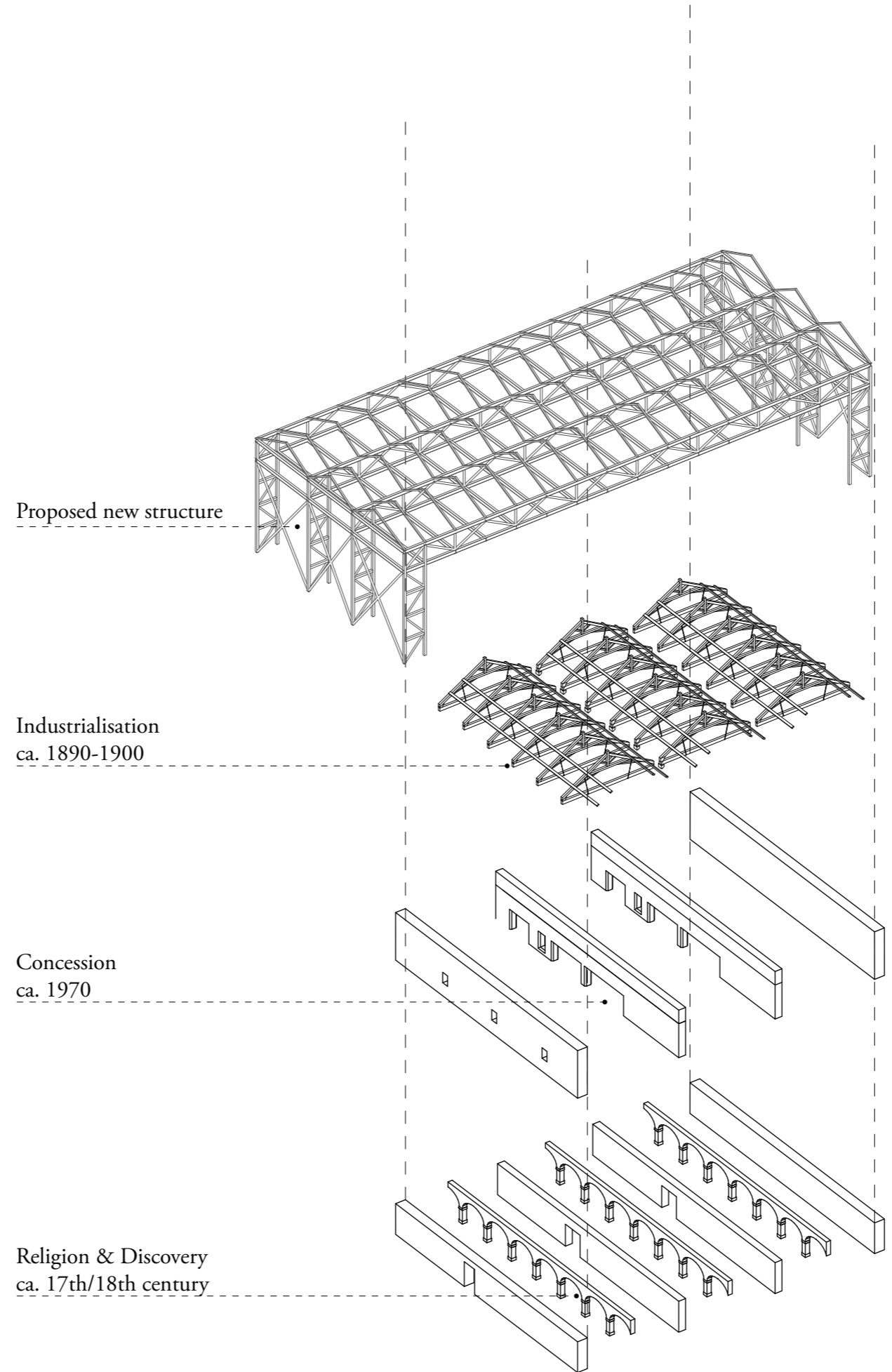
SIGNIFICANCE OF THE ENTRANCE





Inside the Park, looking towards the new top volume

LAYERING OF THE STRUCTURE

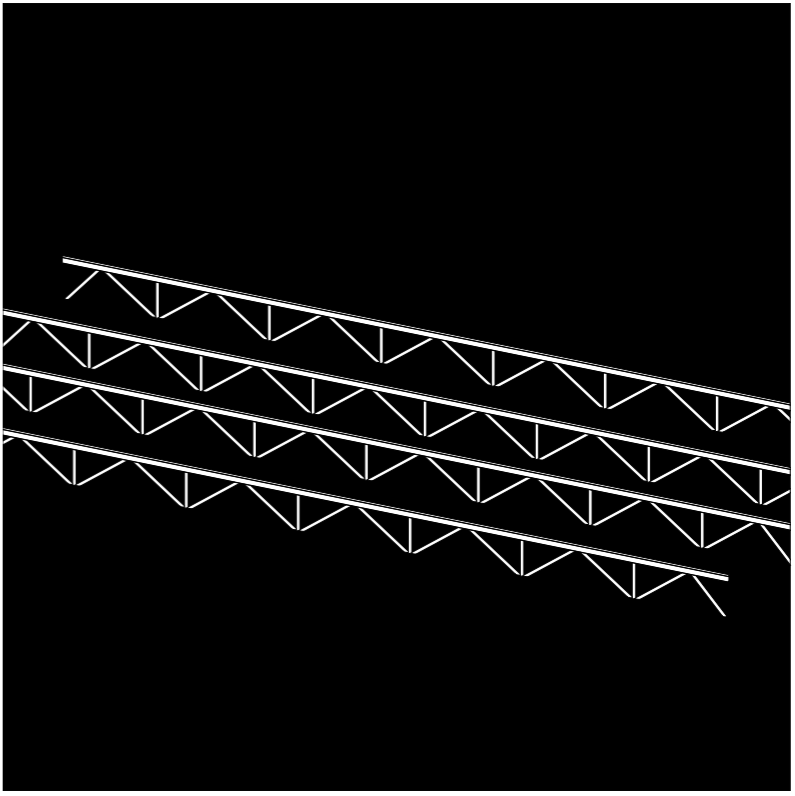
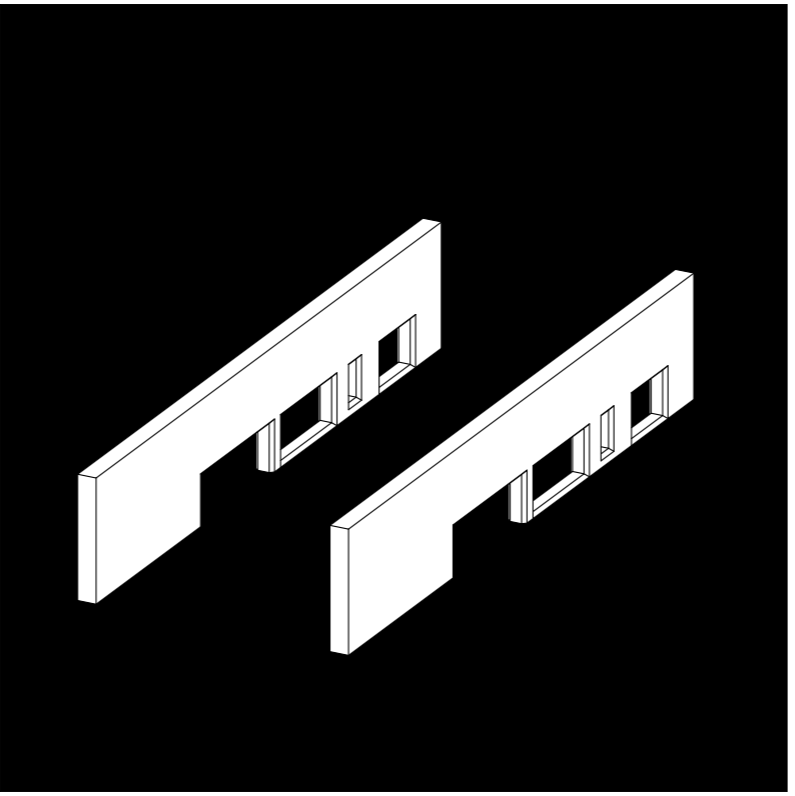
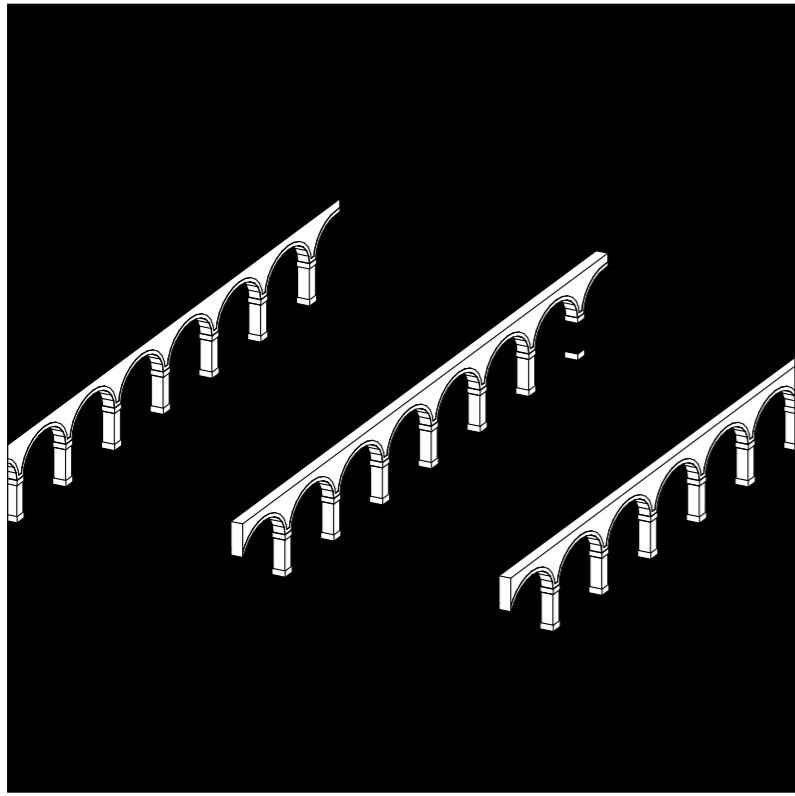
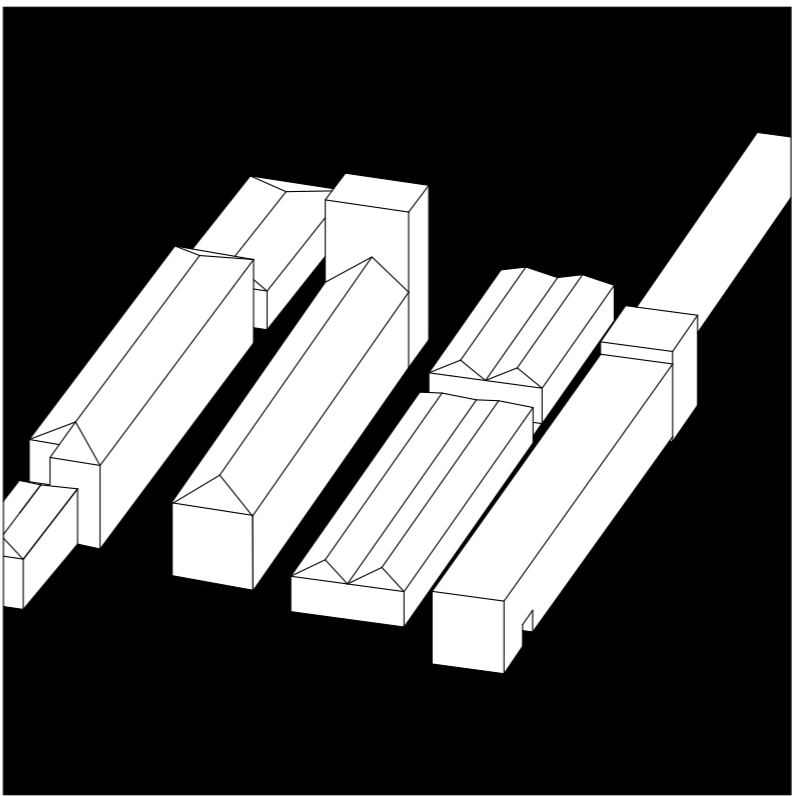
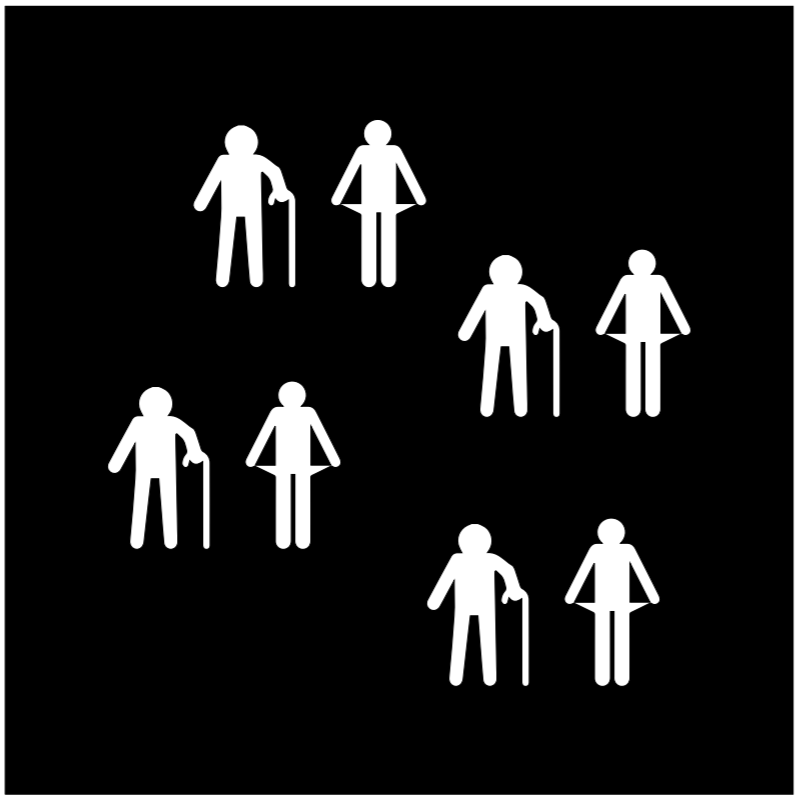




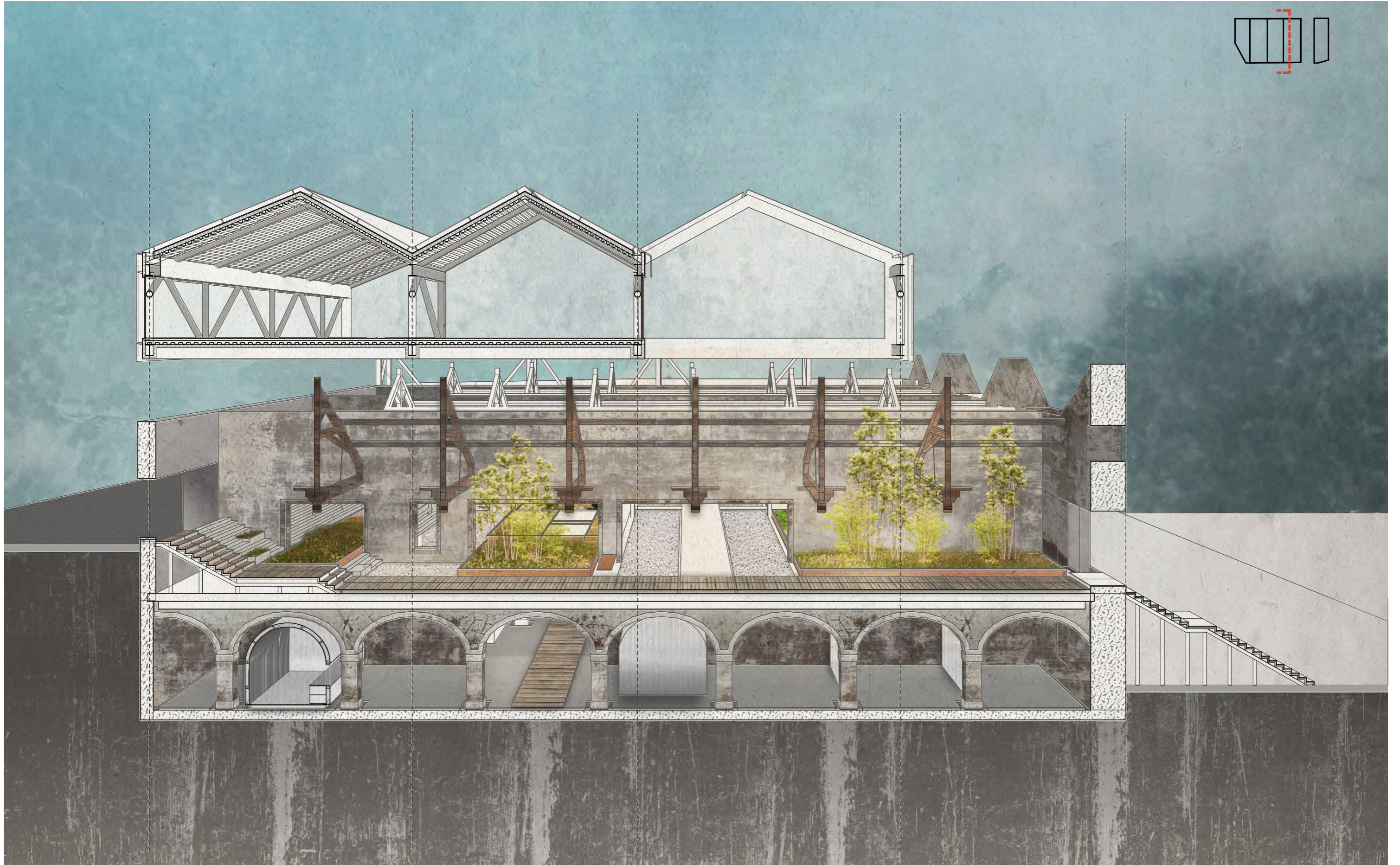
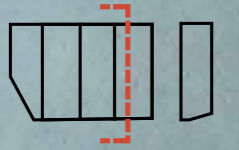


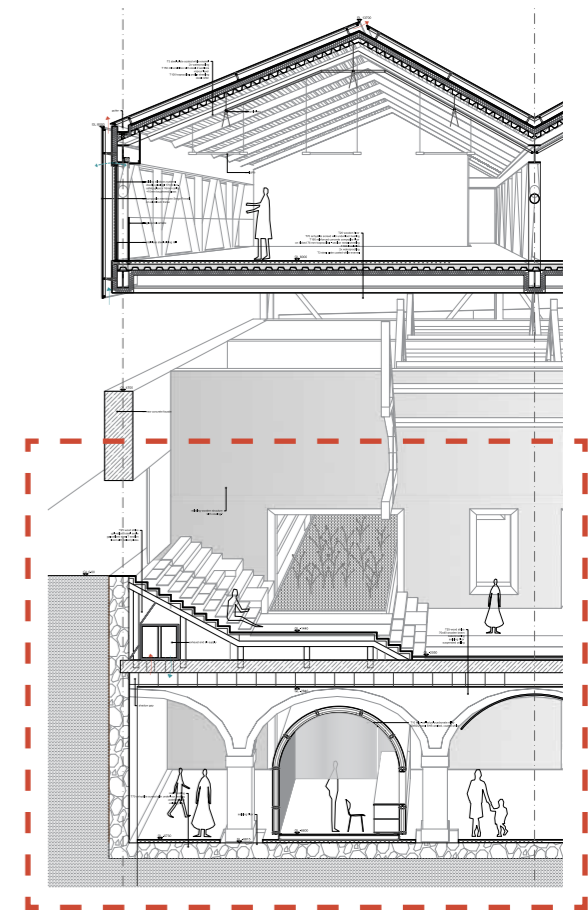
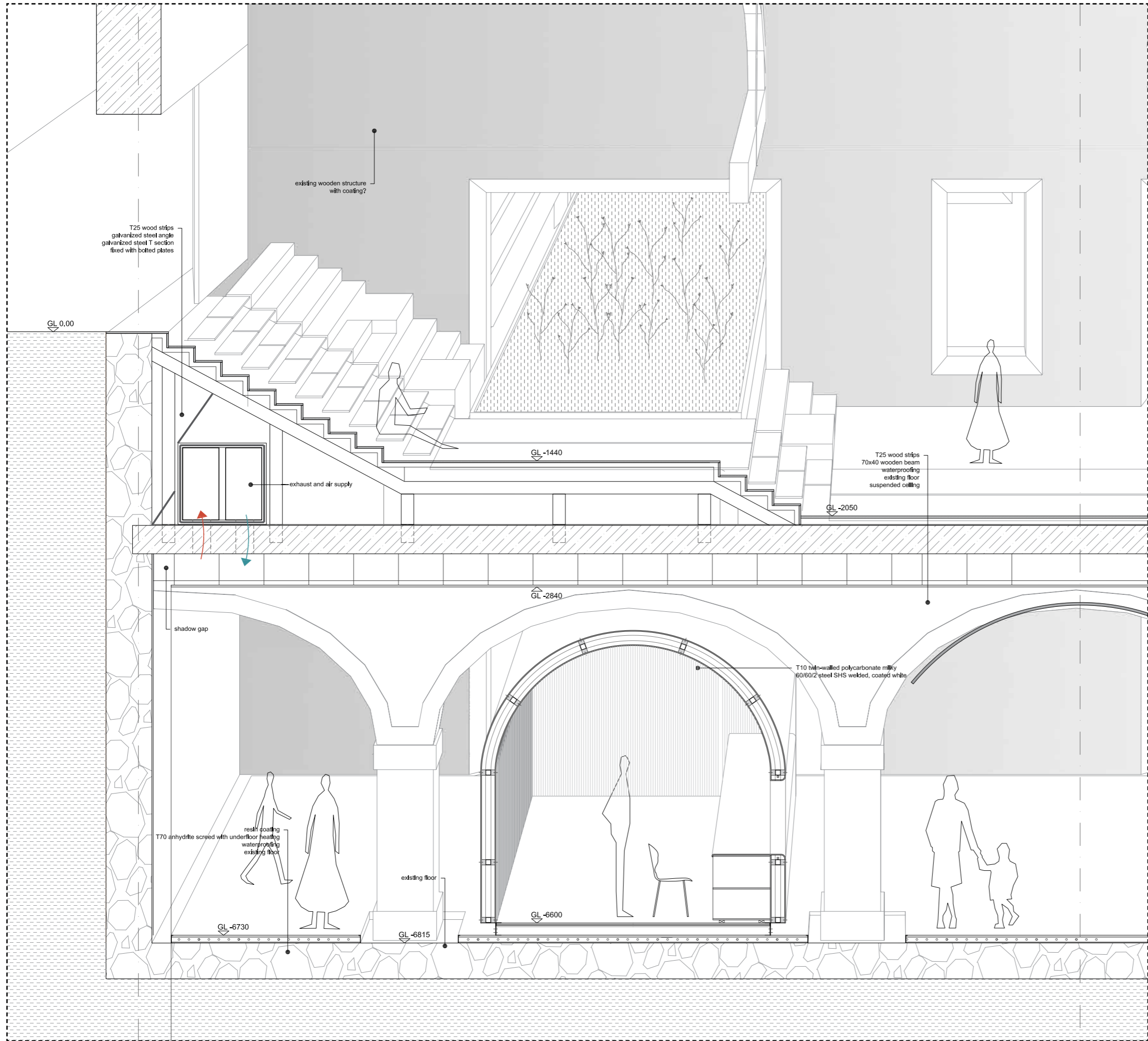
MATERIALITY

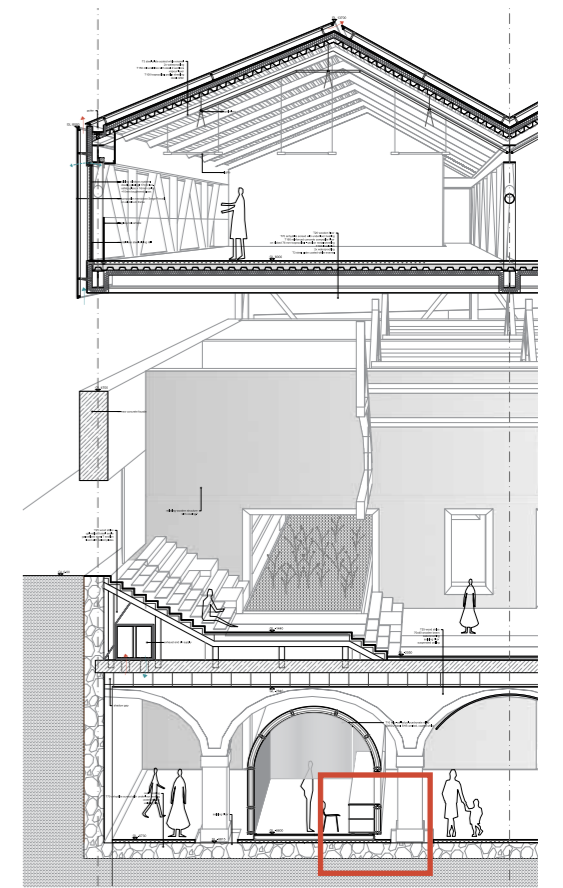
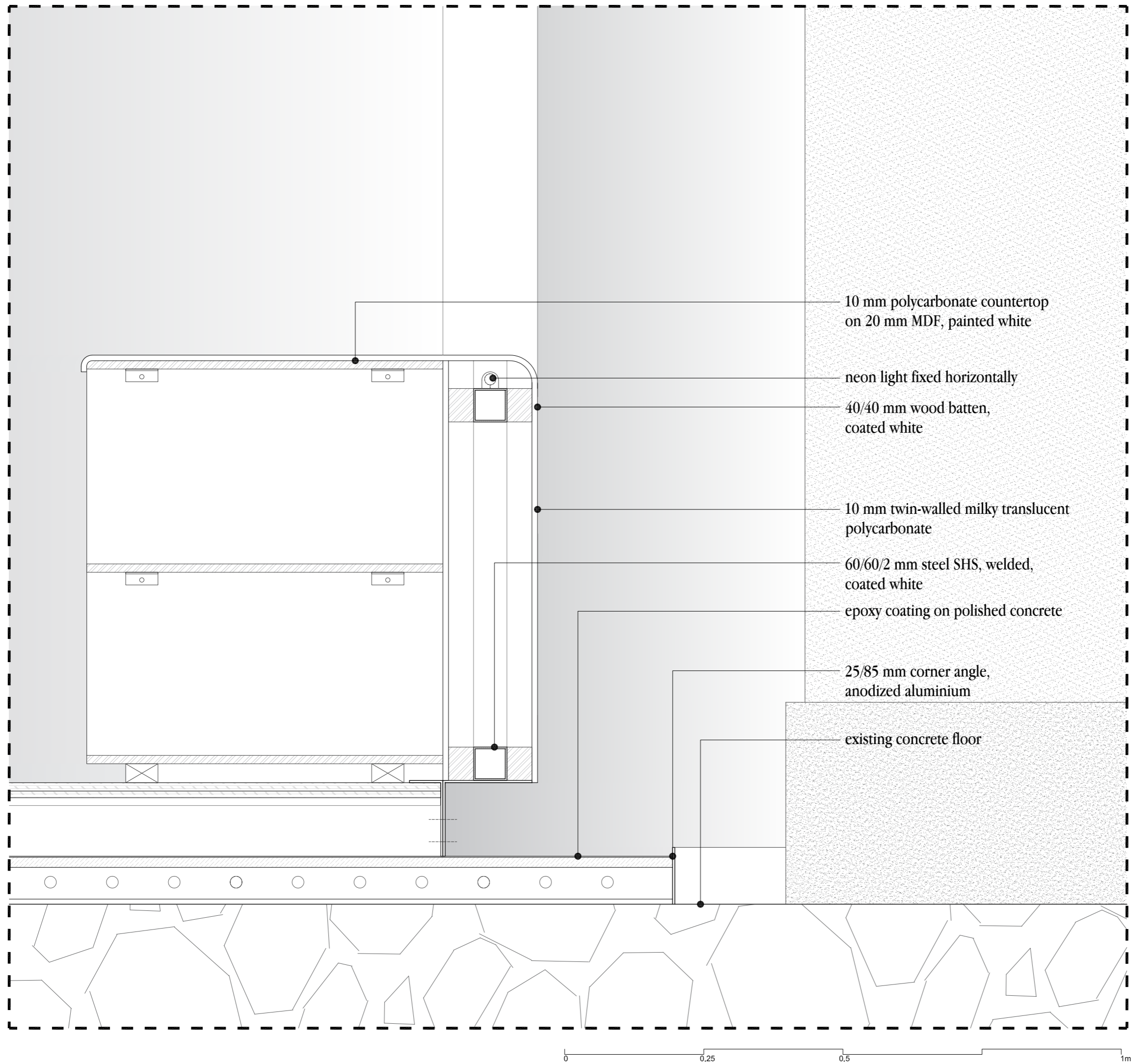
POSITION STATEMENT



SECTION AA







25 mm azobe wood strips on 25 mm bearers

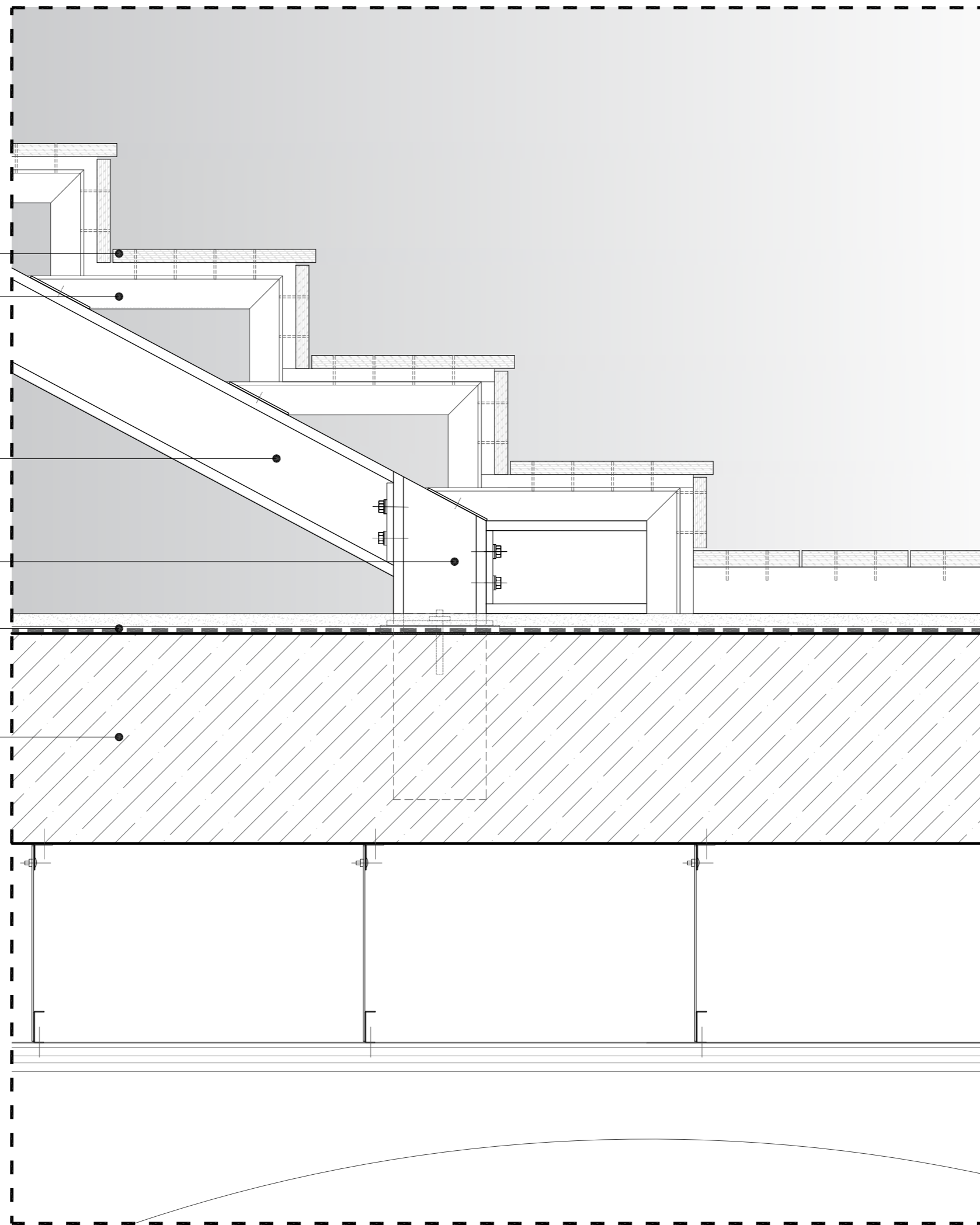
50/50 mm galvanized steel angle
welded to H section

galvanized steel H section 140 mm deep
fixed with bolted plates

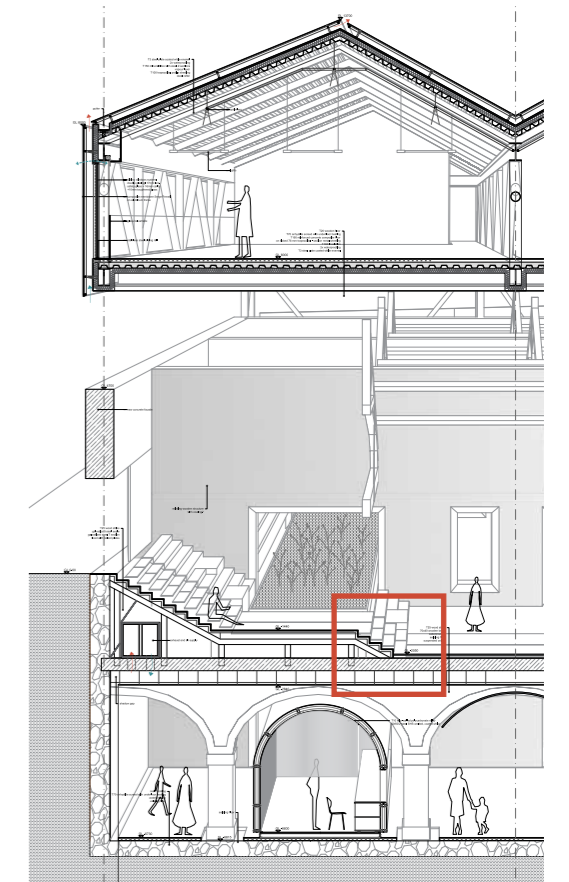
galvanized steel H section 140 mm deep
fixed with bolted plates

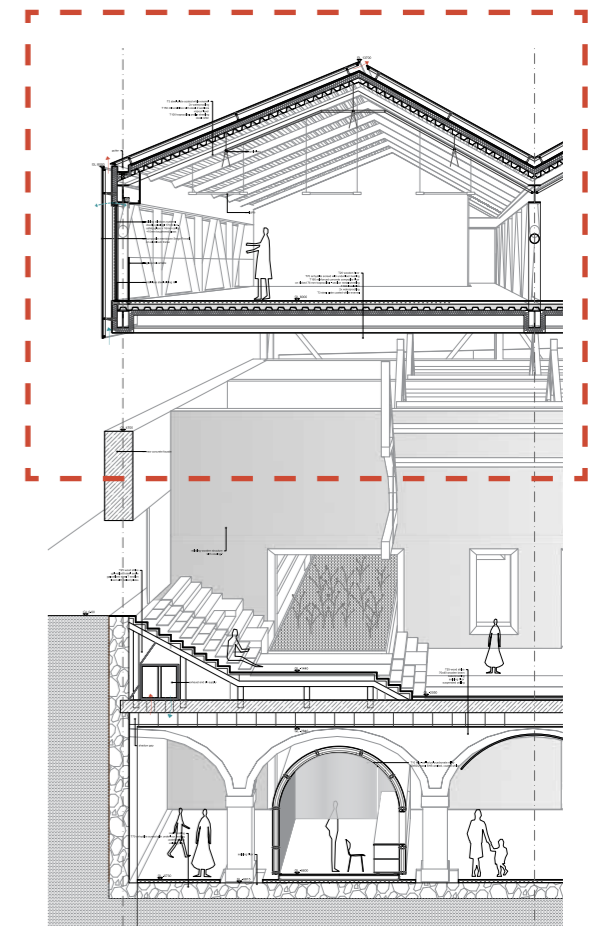
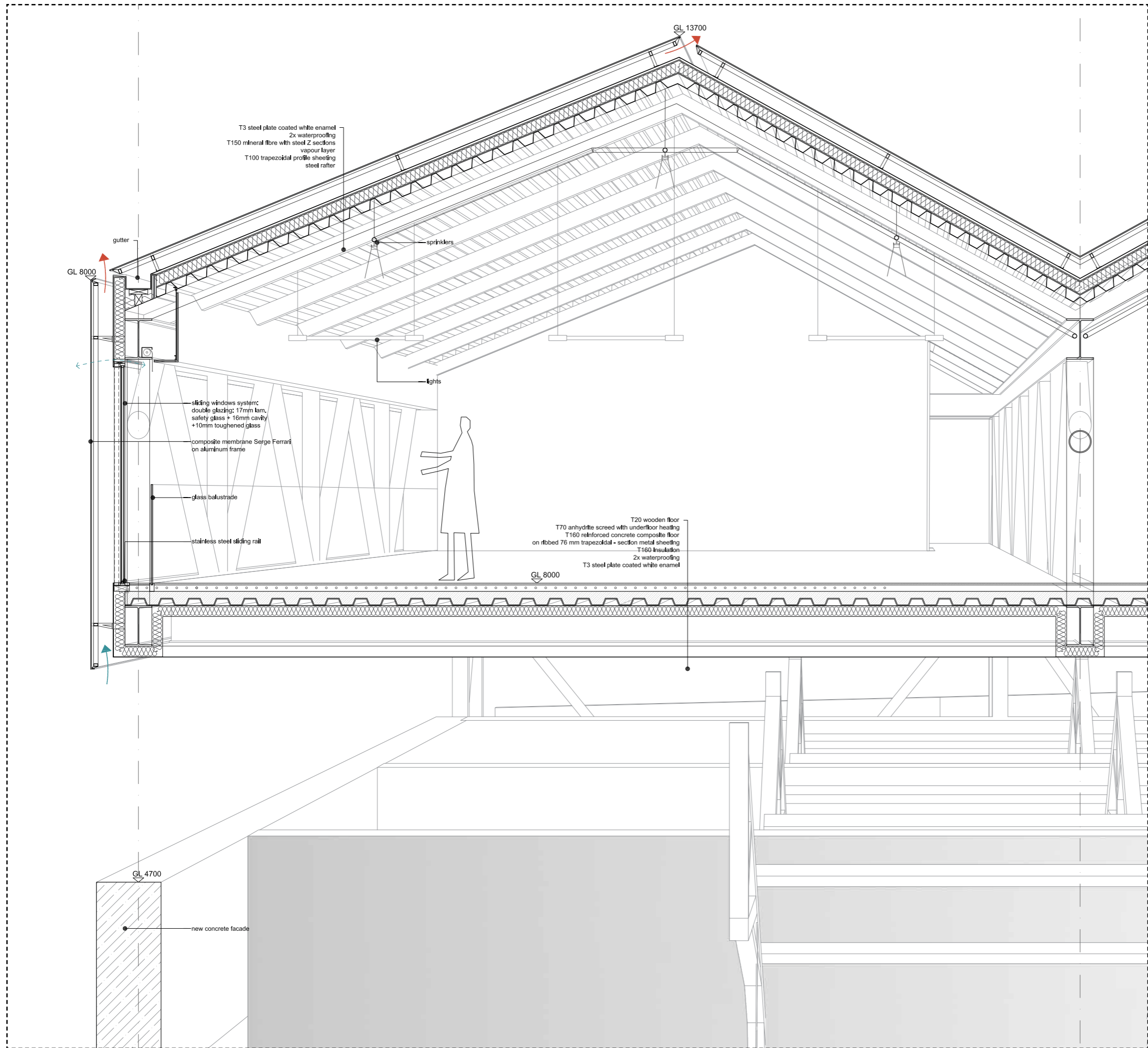
waterproofing

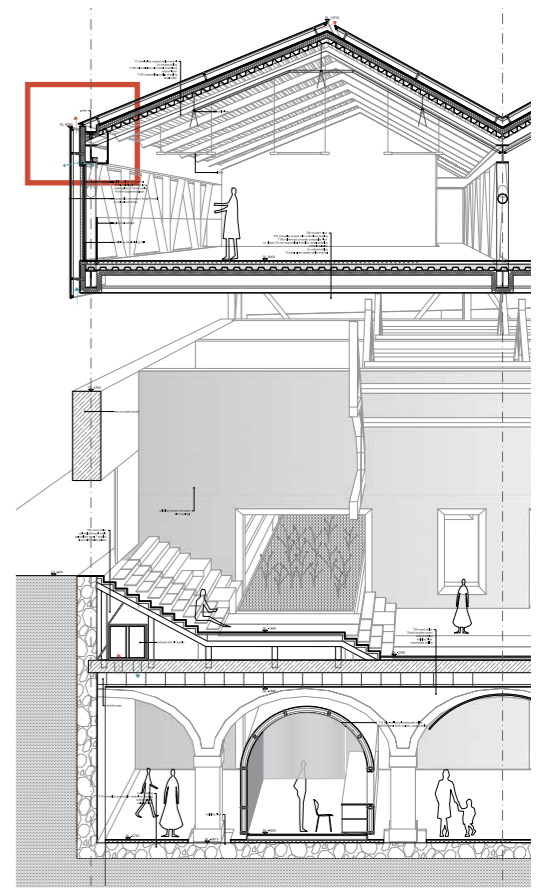
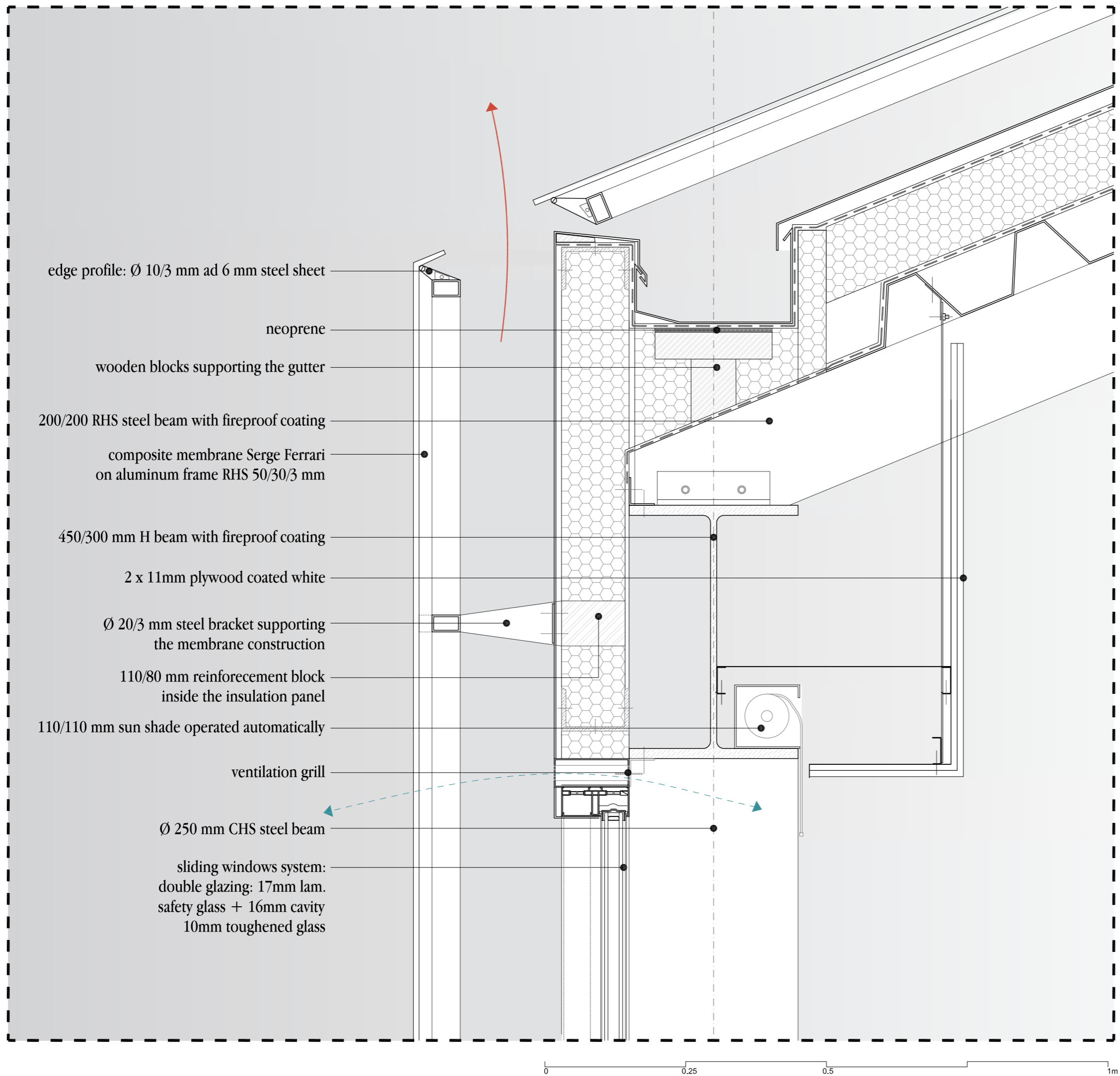
existing floor slab

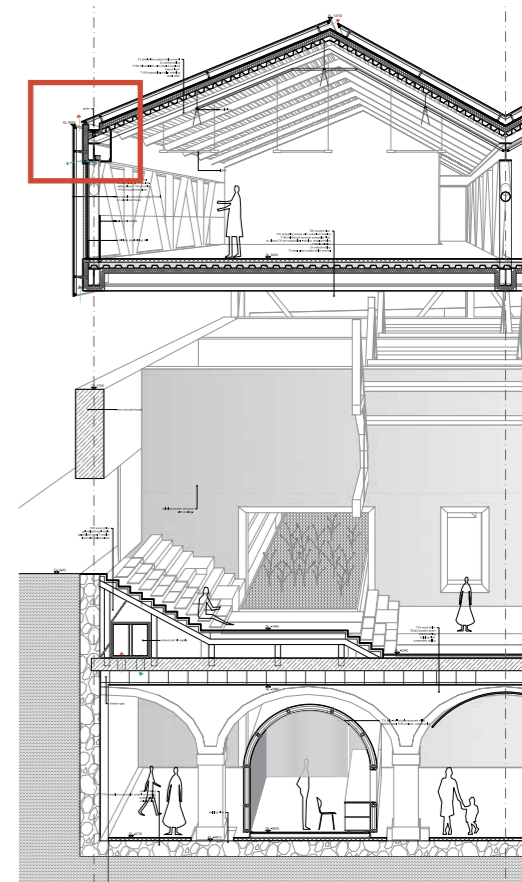
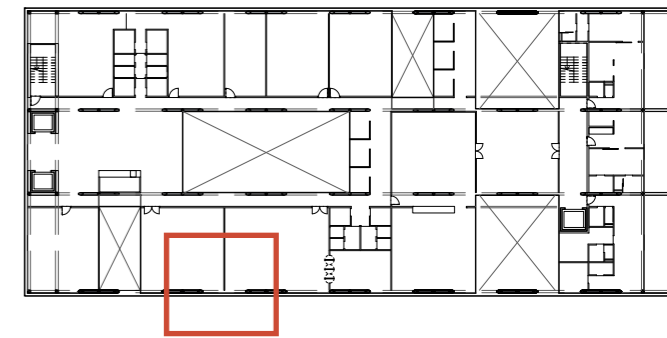
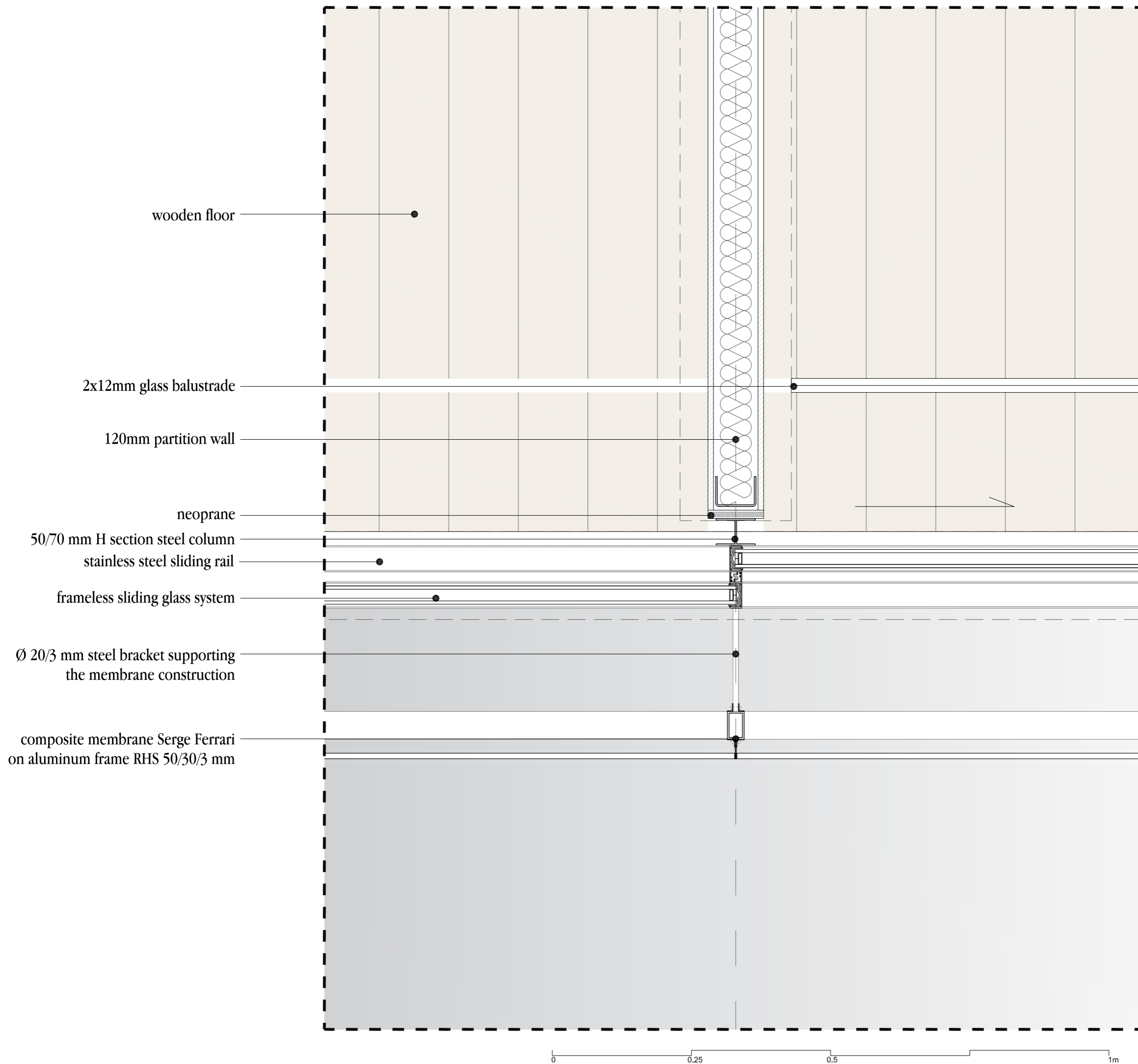


0 0.25 0.5 1m

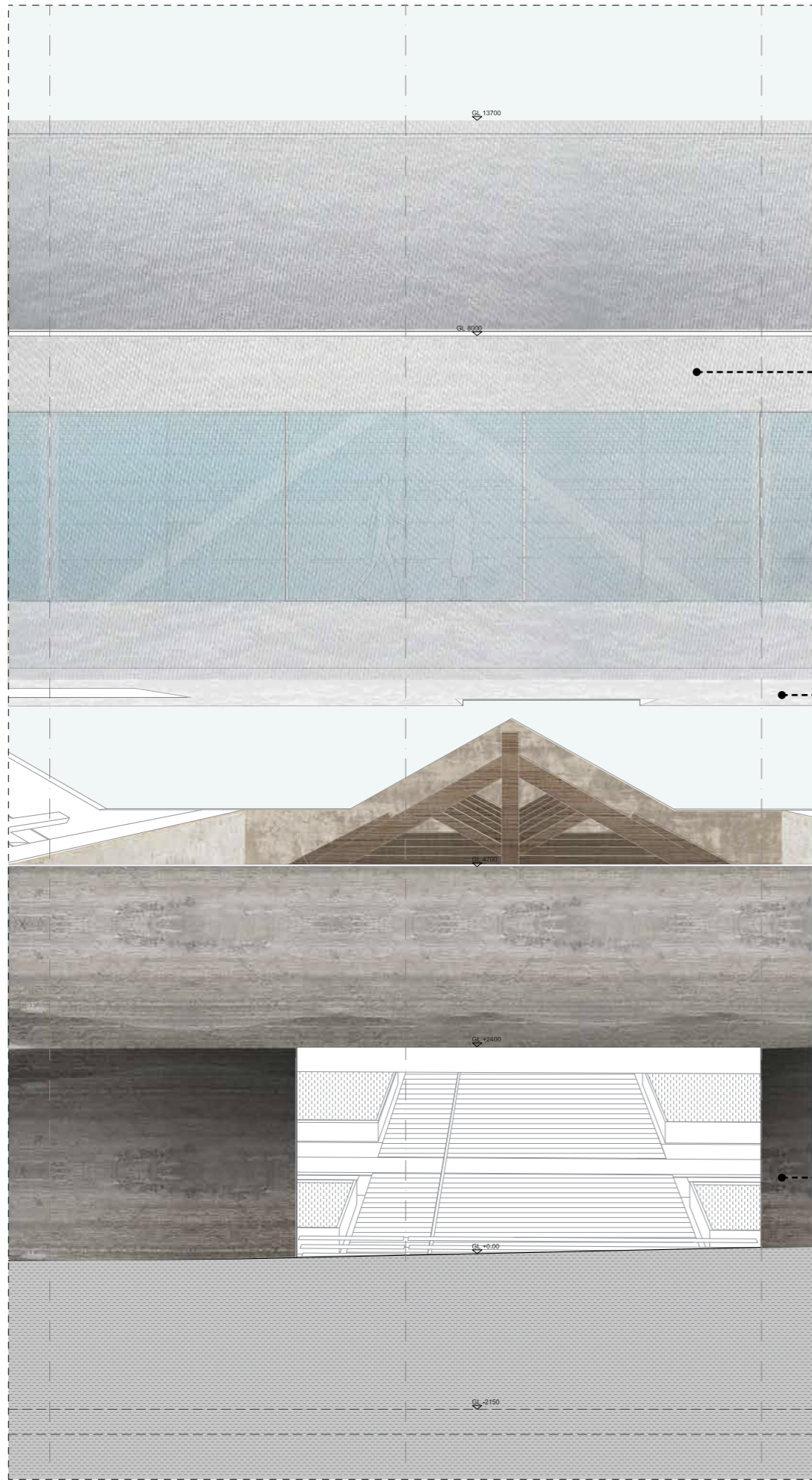








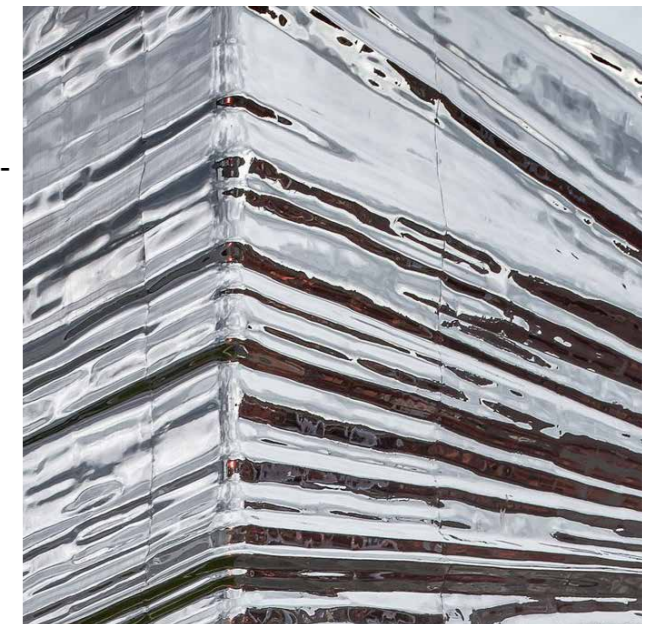
MATERIALS



Studio home,
Jay Atherton and Cy Keener,
Phoenix, USA

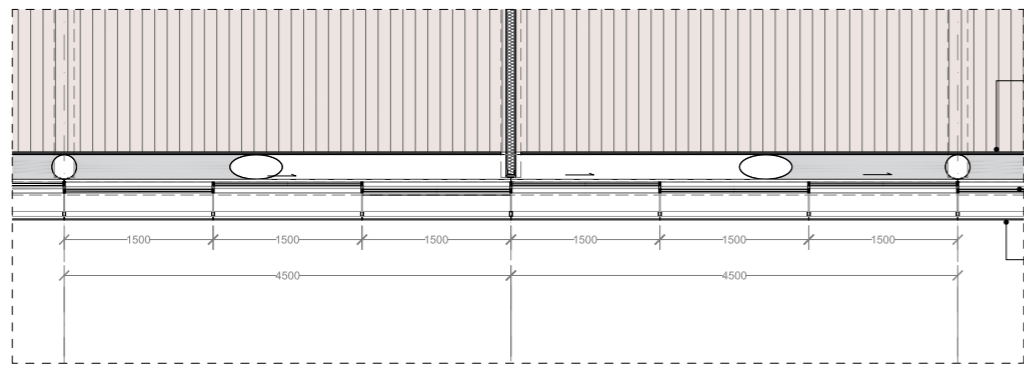


Lillehammer Art Museum and
Cinema,
Snøhetta, Lillehammer, Norway

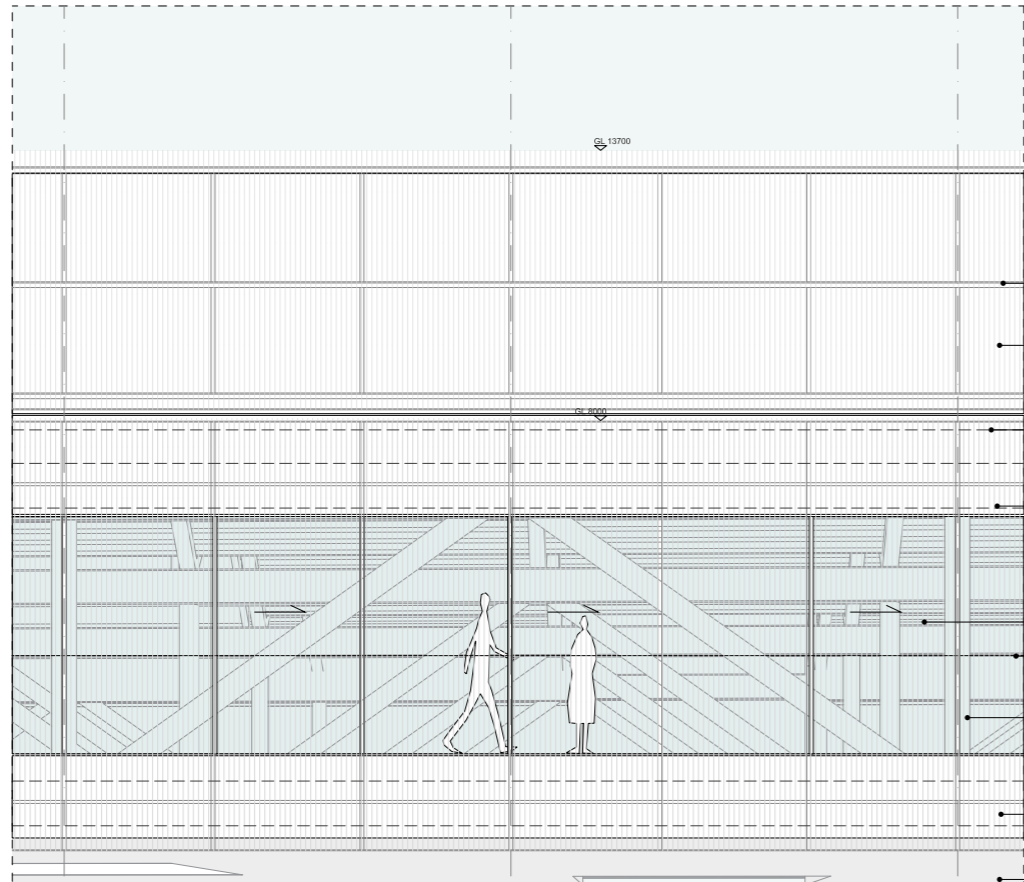


Waterside Buddhist Shrine
Archstudio, Tangshan, China

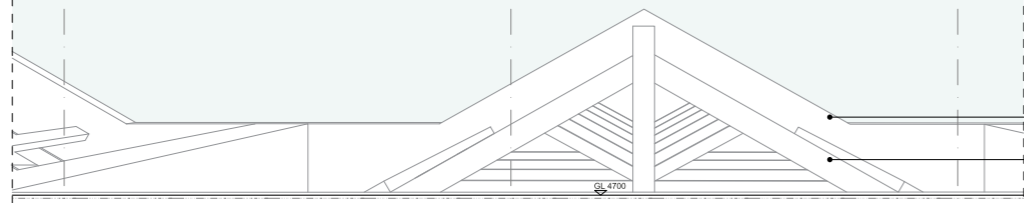




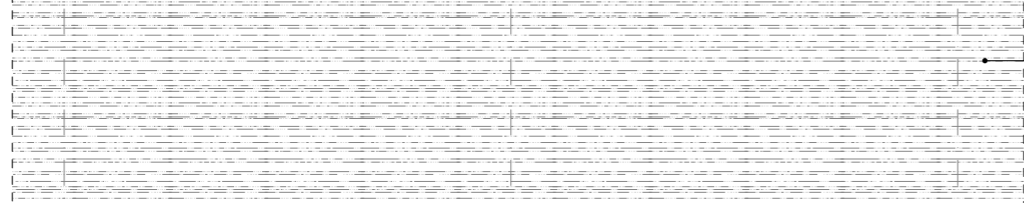
glass balustrade
 sliding window system:
 double glazing: 17 mm lam.
 safety glass + 16 mm cavity
 + 10 mm toughened glass
 composite membrane
 Serge Ferrari



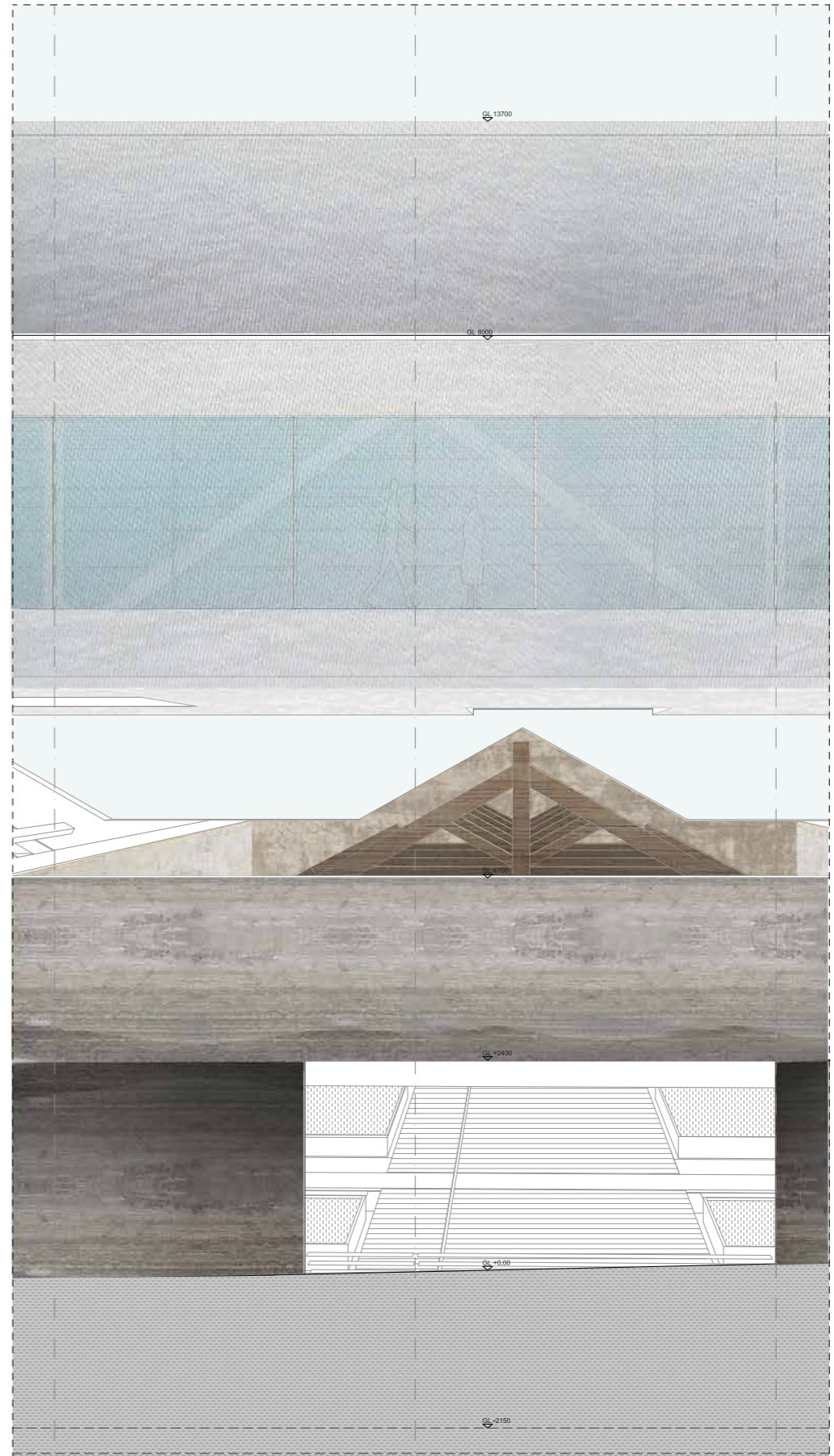
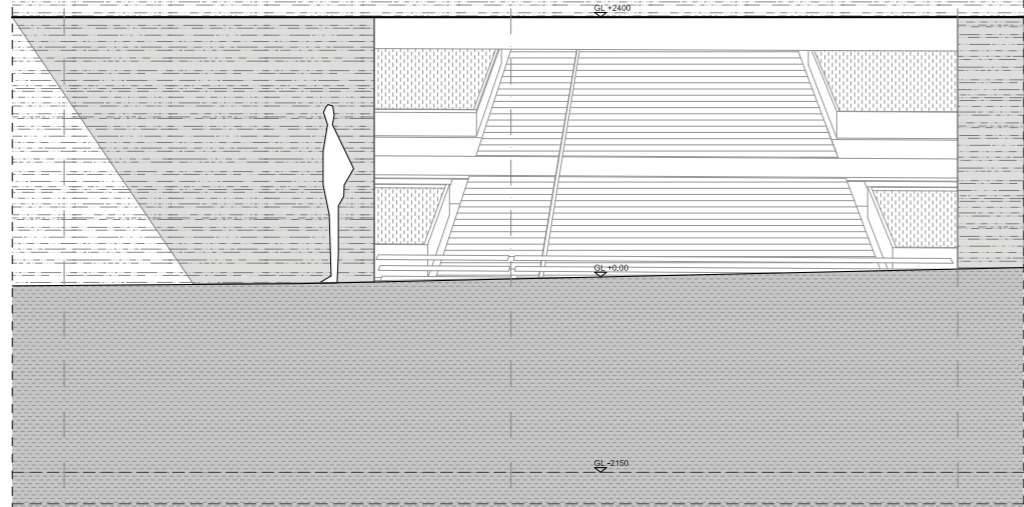
aluminium frame
 T3 steel plate coated with
 white enamel
 gutter
 natural ventilation
 sliding window system:
 double glazing: 17 mm lam.
 safety glass + 16 mm cavity
 + 10 mm toughened glass
 glass balustrade
 Ø 250 mm CHS steel
 column
 composite membrane
 Serge Ferrari
 T3 steel plate coated with
 white enamel



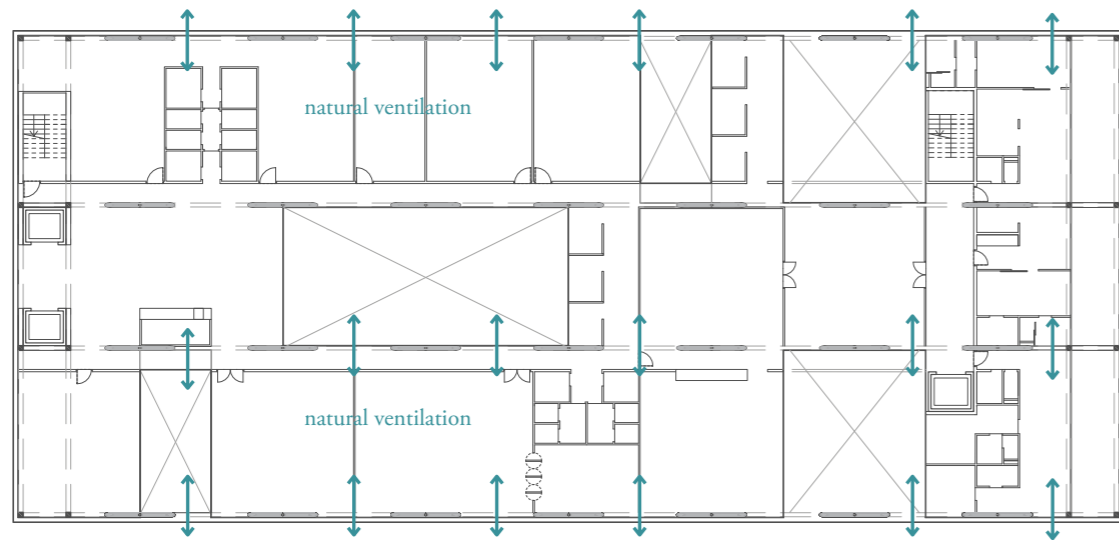
existing wall stripped bare
 existing wood structure



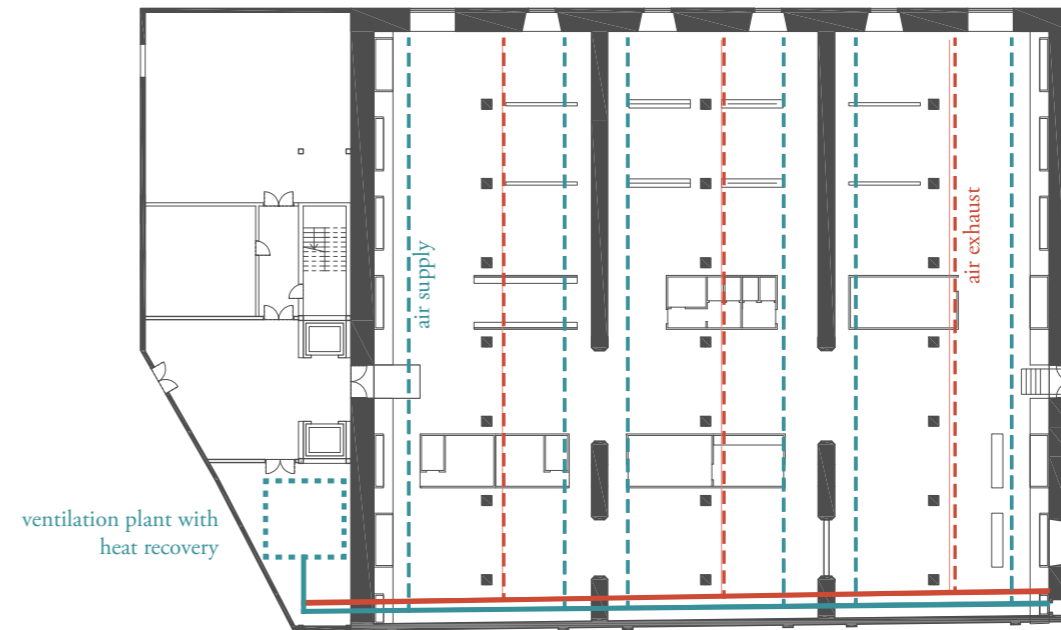
new concrete façade



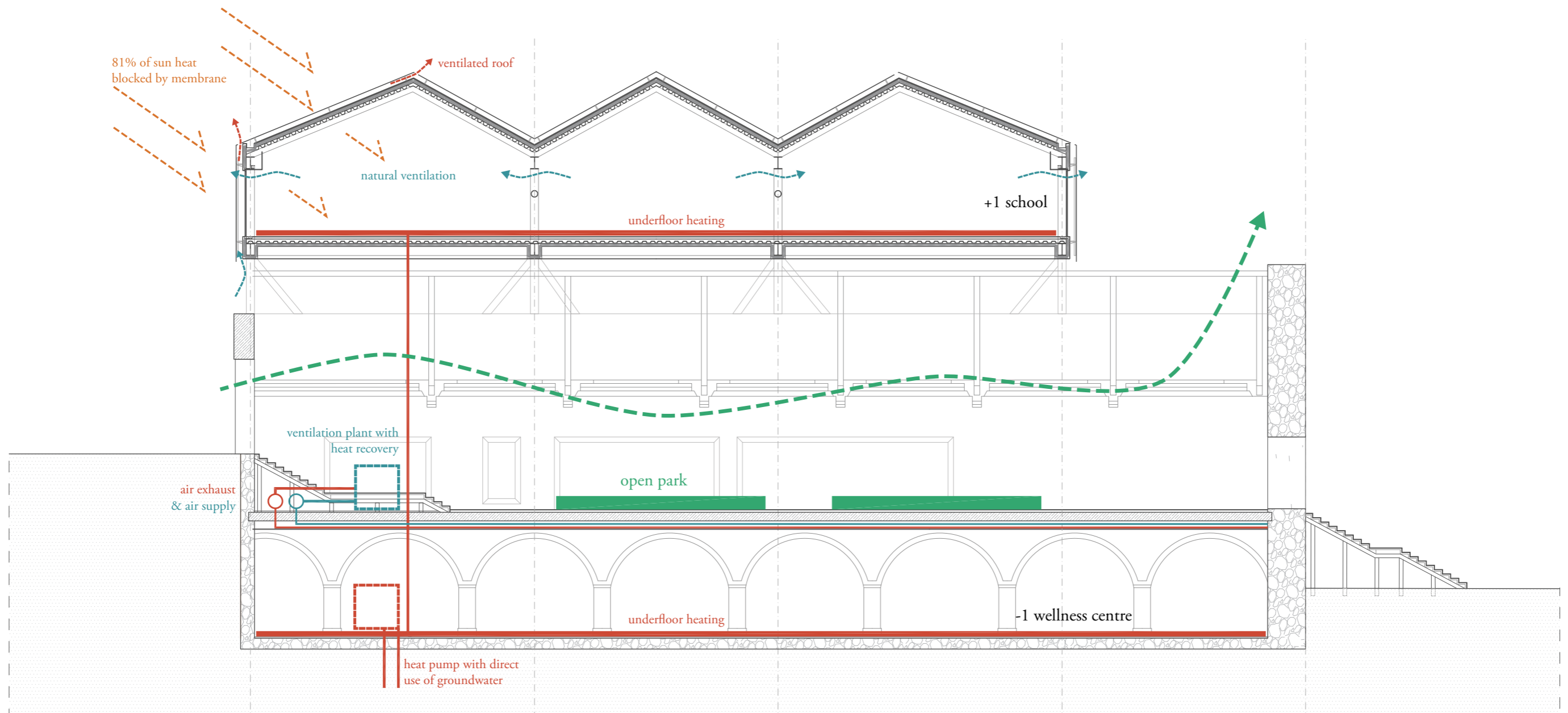
CLIMATE CONCEPT



+1 school

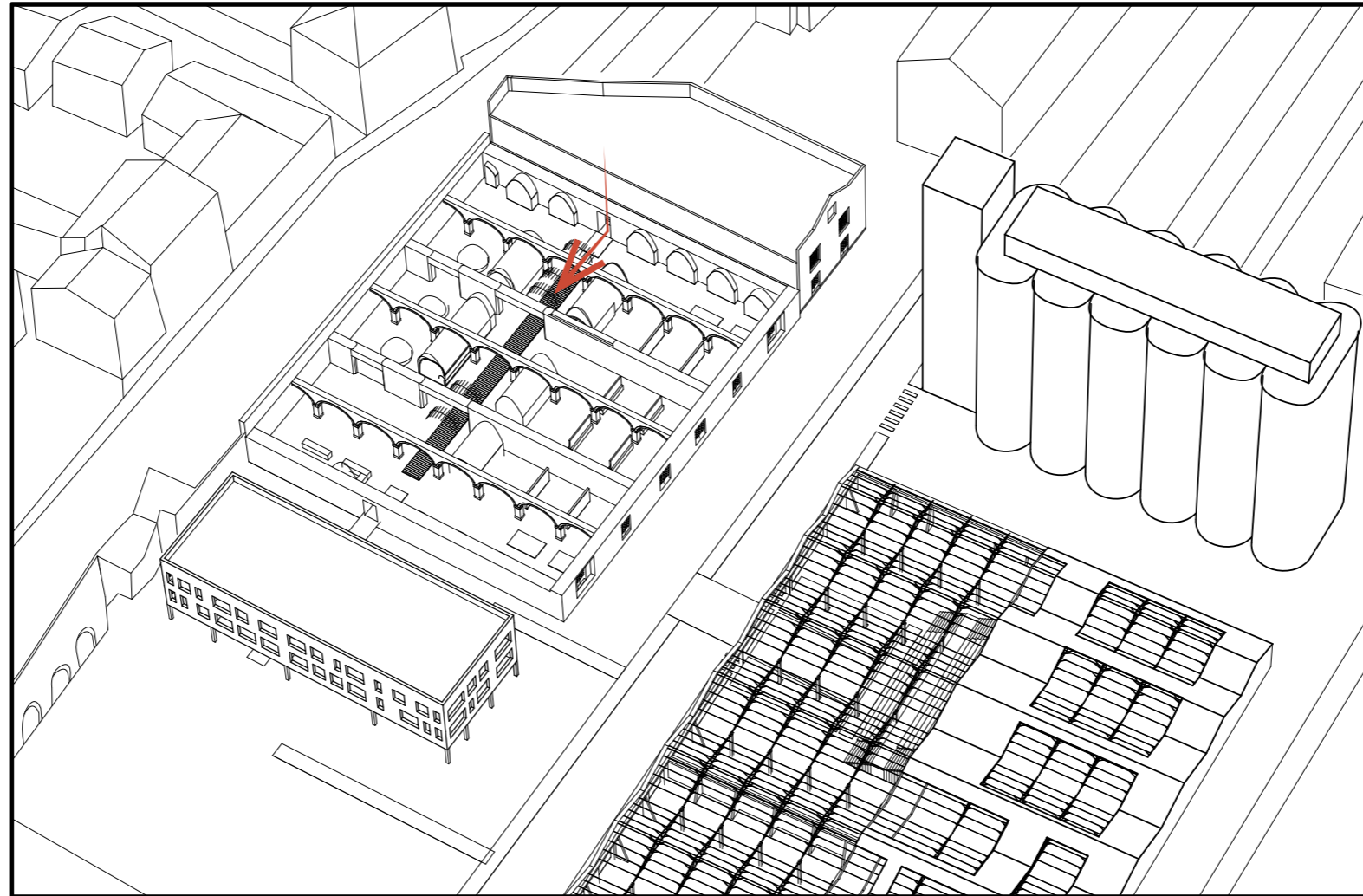


-1 wellness centre



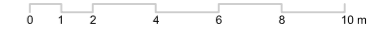
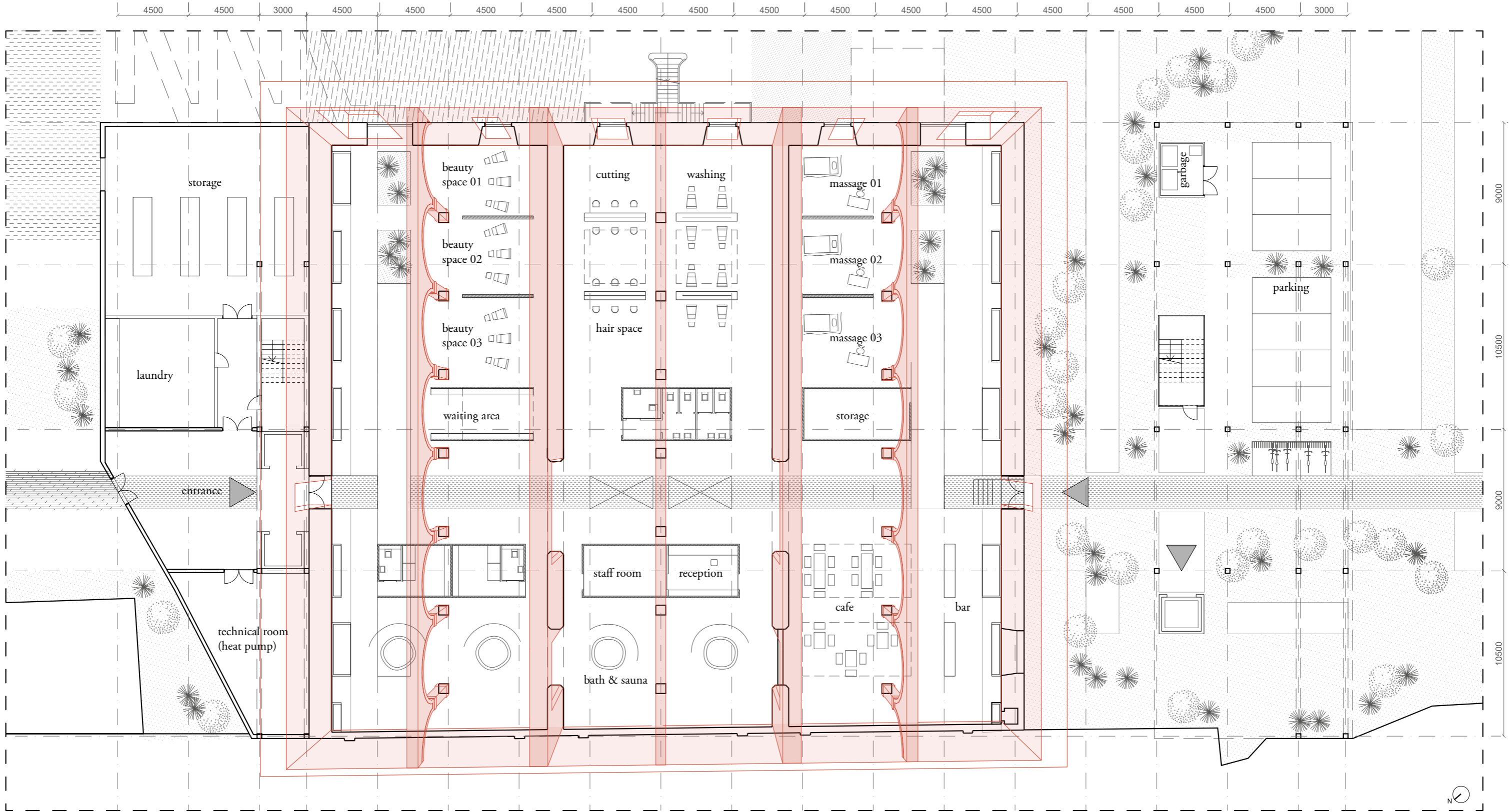
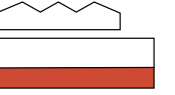
JOURNEY - PART II

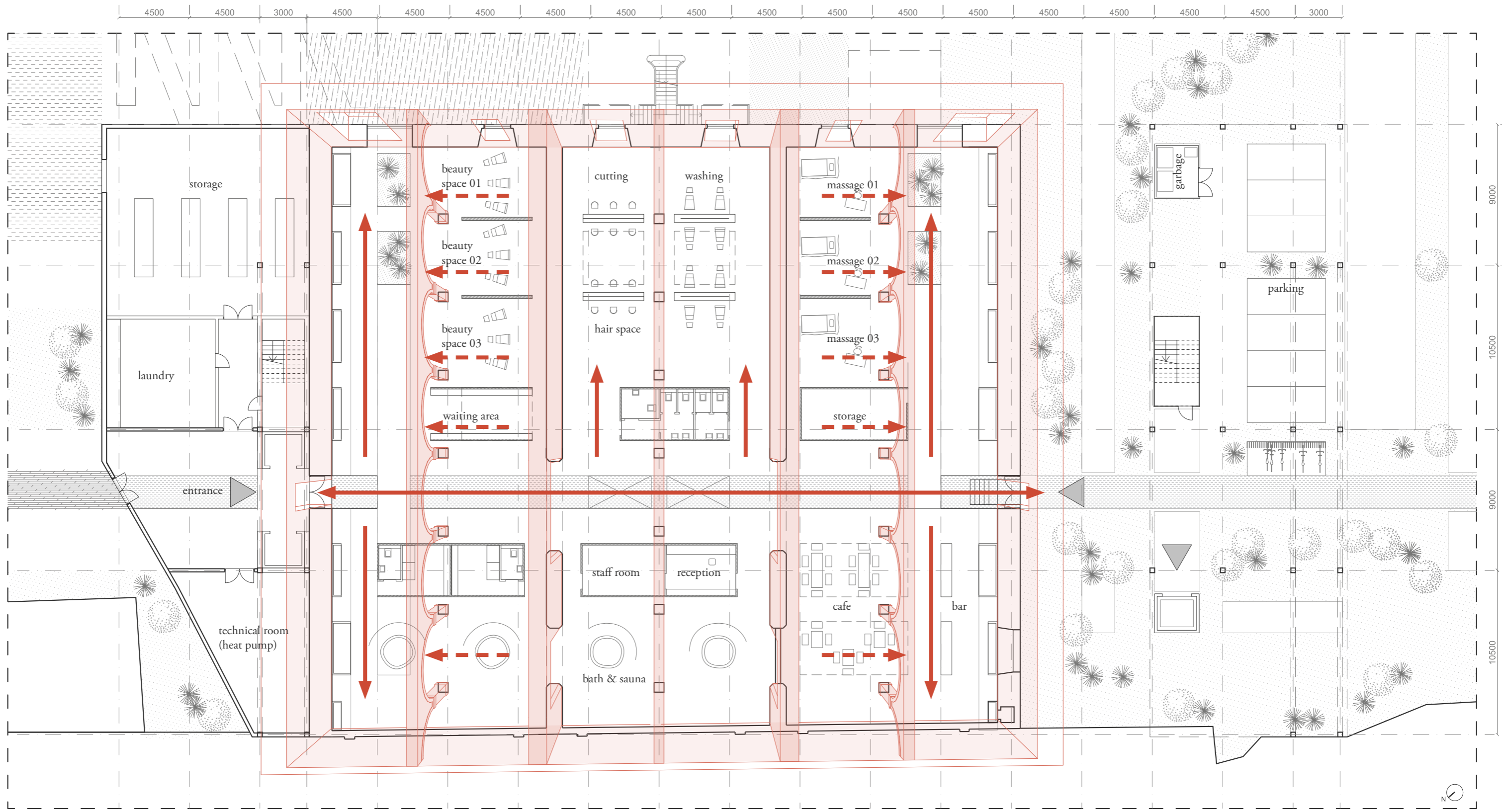
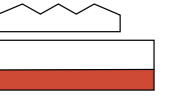
Character



Taking a lift from the Park and going down to the Wellness Centre in the basement

-1 / WELLNESS CENTRE, GARDEN & PARKING





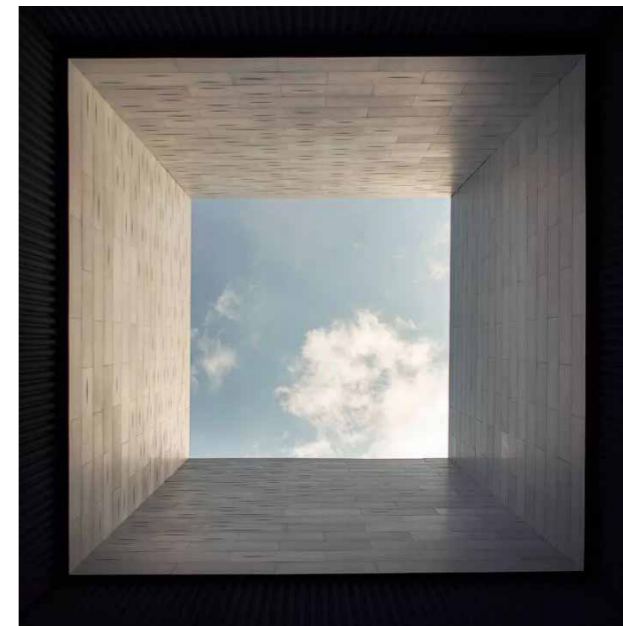
Reframe Art Installation,
France, Paul Scales and Atelier Kit



Underground Spa,
Ireland, Carmody Groarke

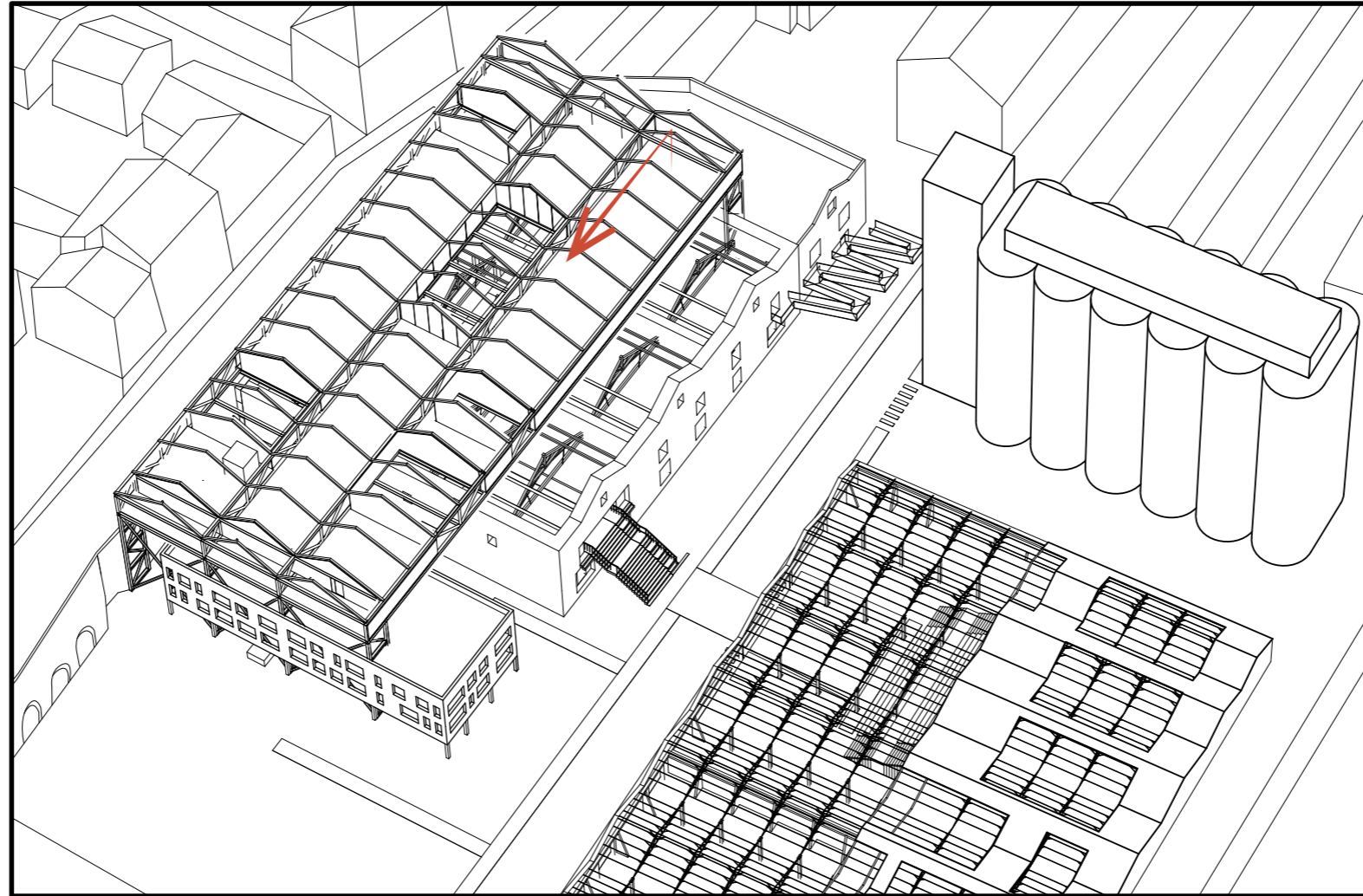


The Duration Chamber,
Mexico, Materia



-1 / WELLNESS CENTRE



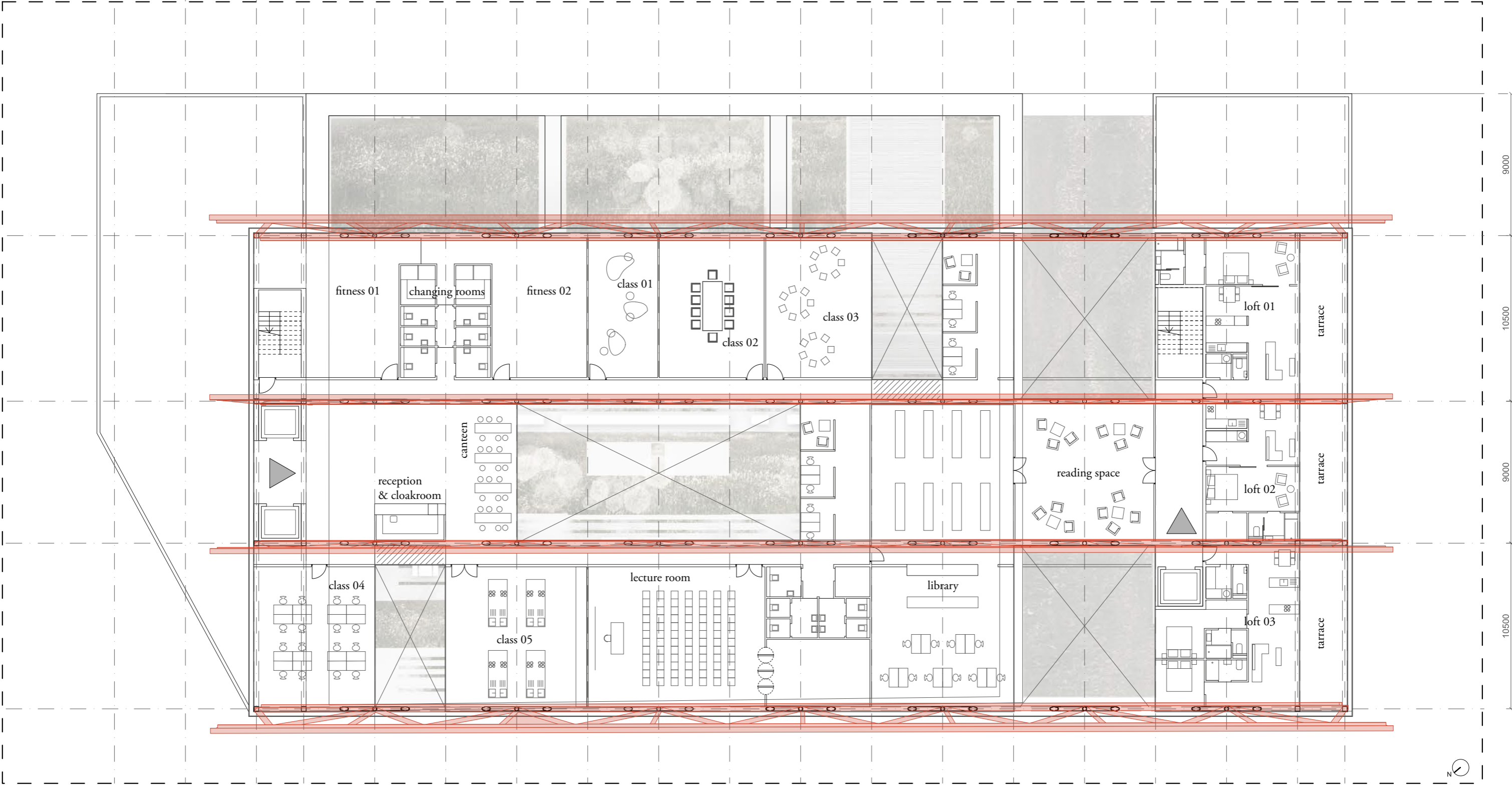


Taking a lift upstairs to the open school for elderly.

+1 / ELDERLY SCHOOL & LOFTS

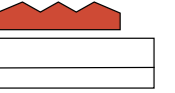


4500 4500 3000 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 3000



0 1 2 4 6 8 10m





4500 4500 3000 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 3000

9000

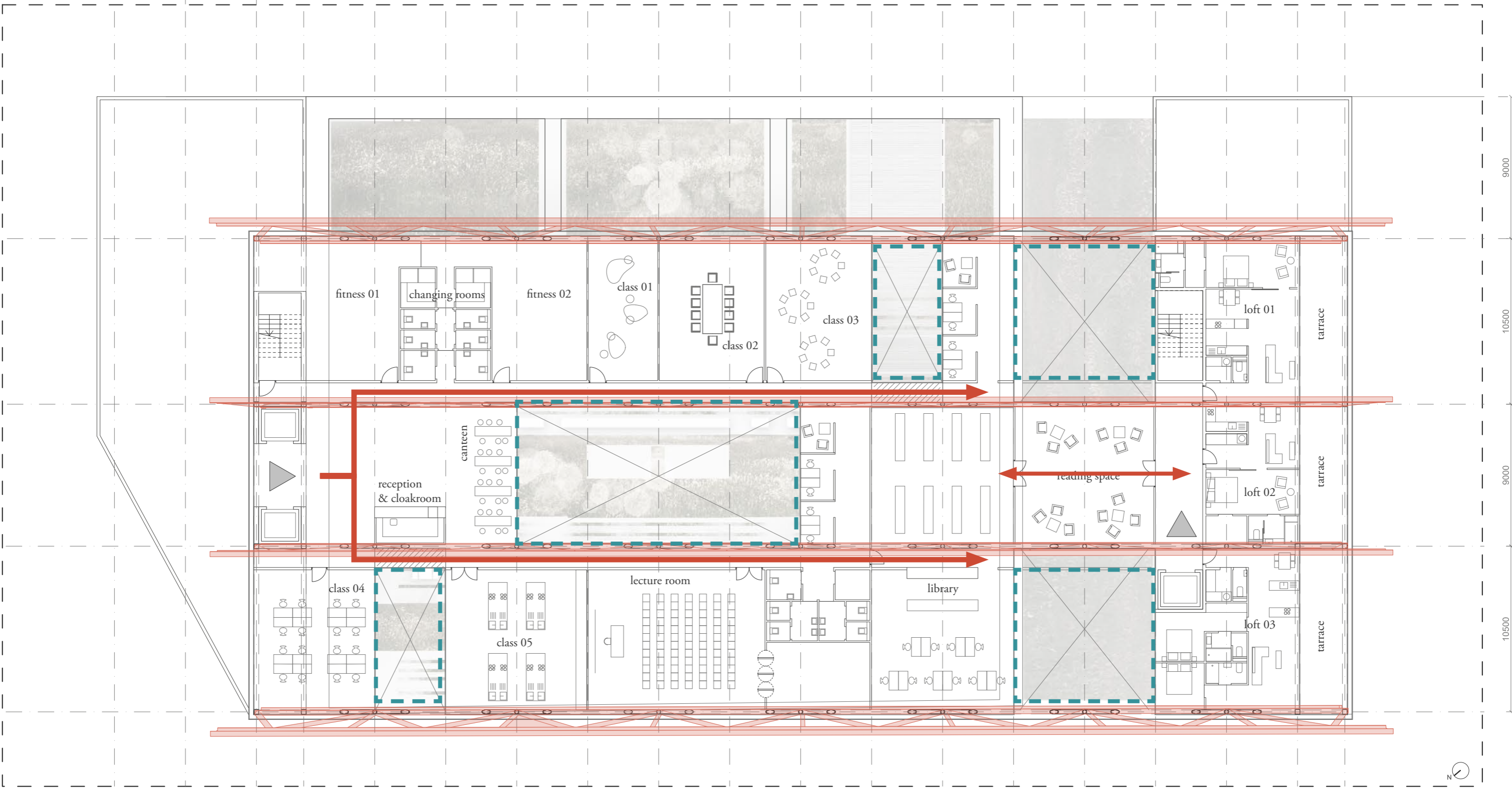
10500

9000

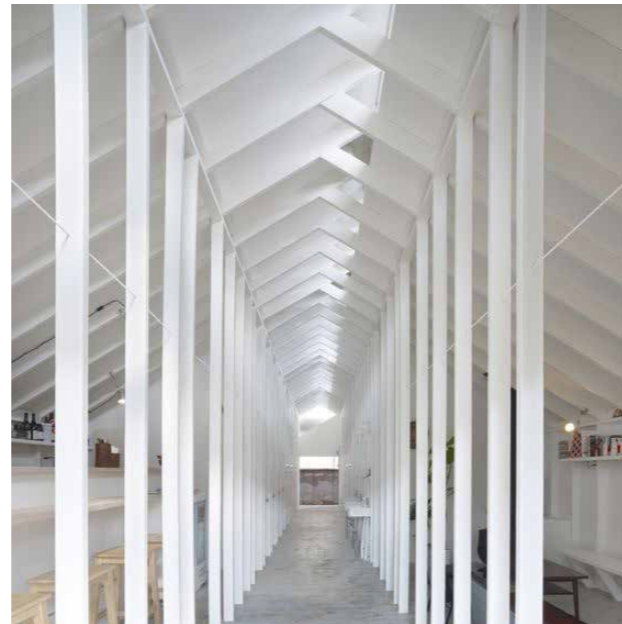
10500



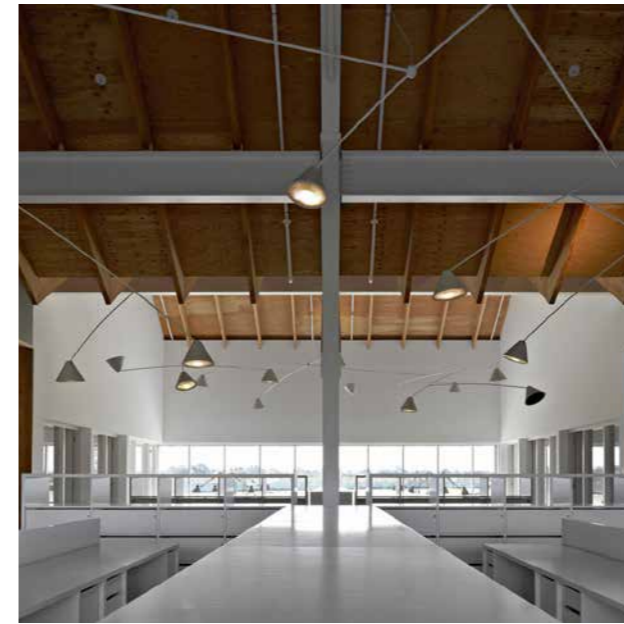
0 1 2 4 6 8 10m



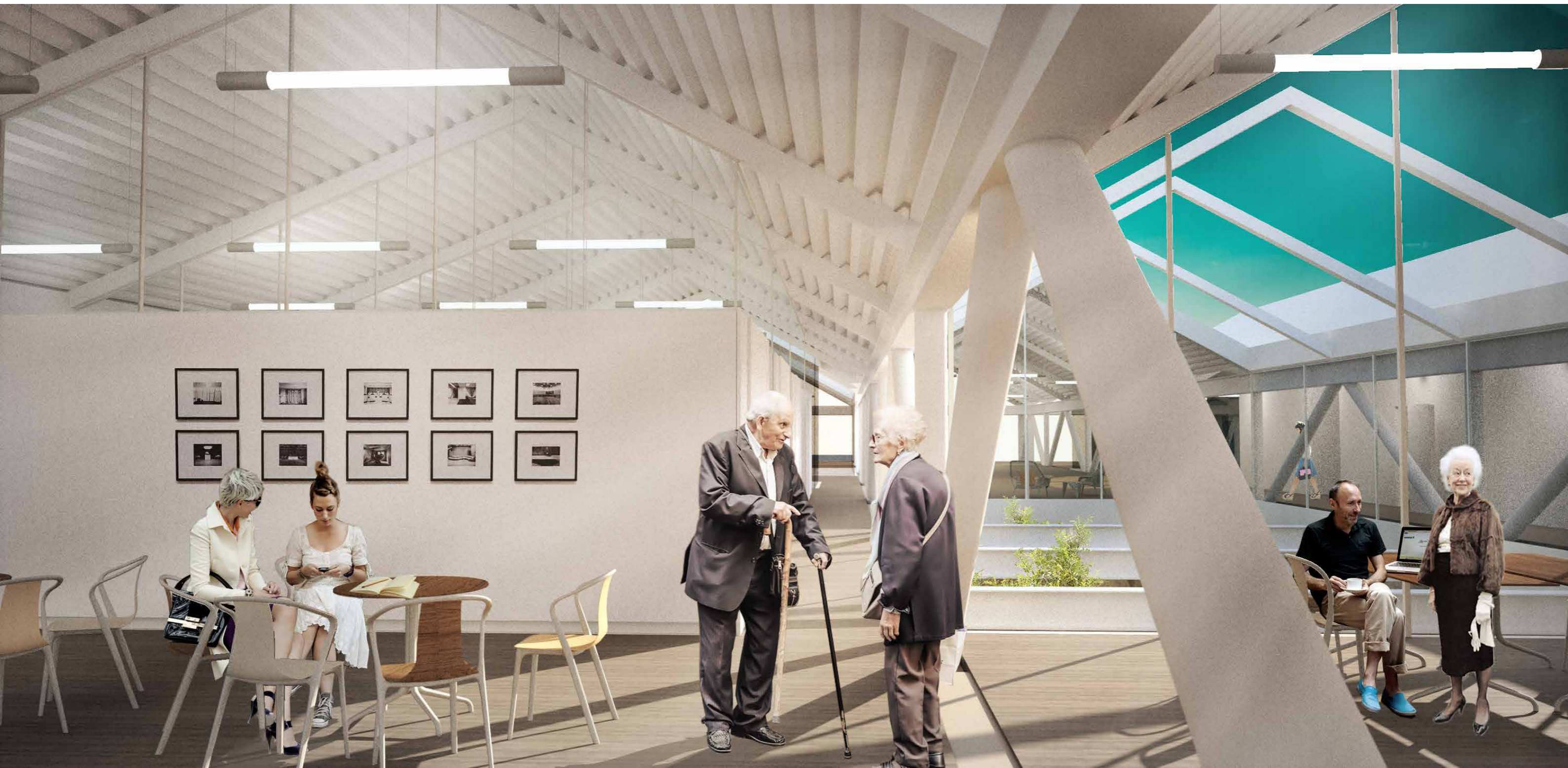
Koyasan Guest House,
Japan, Takeguchi and Yamamoto

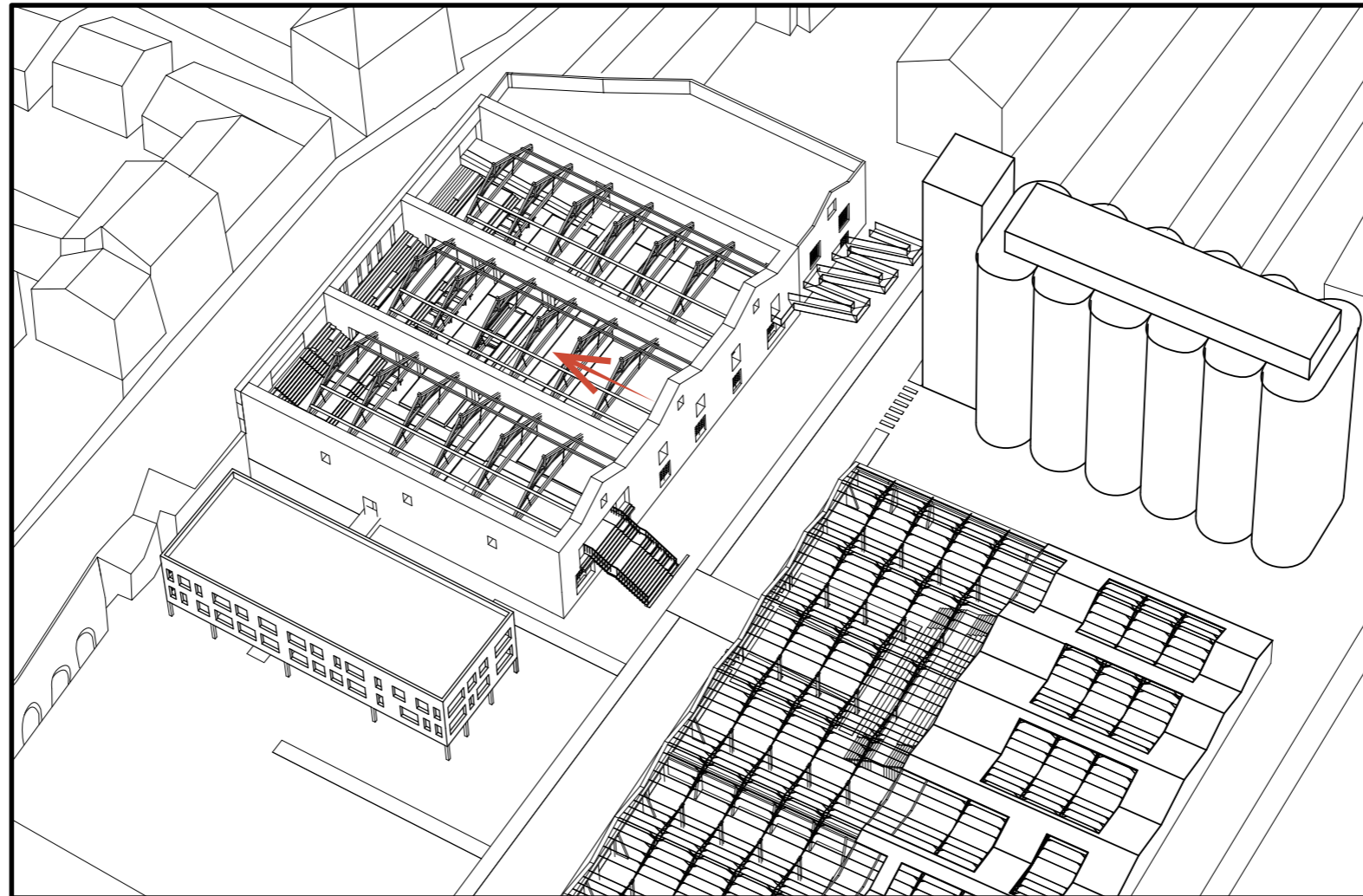


Parrish Museum,
USA, Herzog & de Meuron

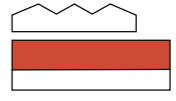


+1 / ELDERLY SCHOOL

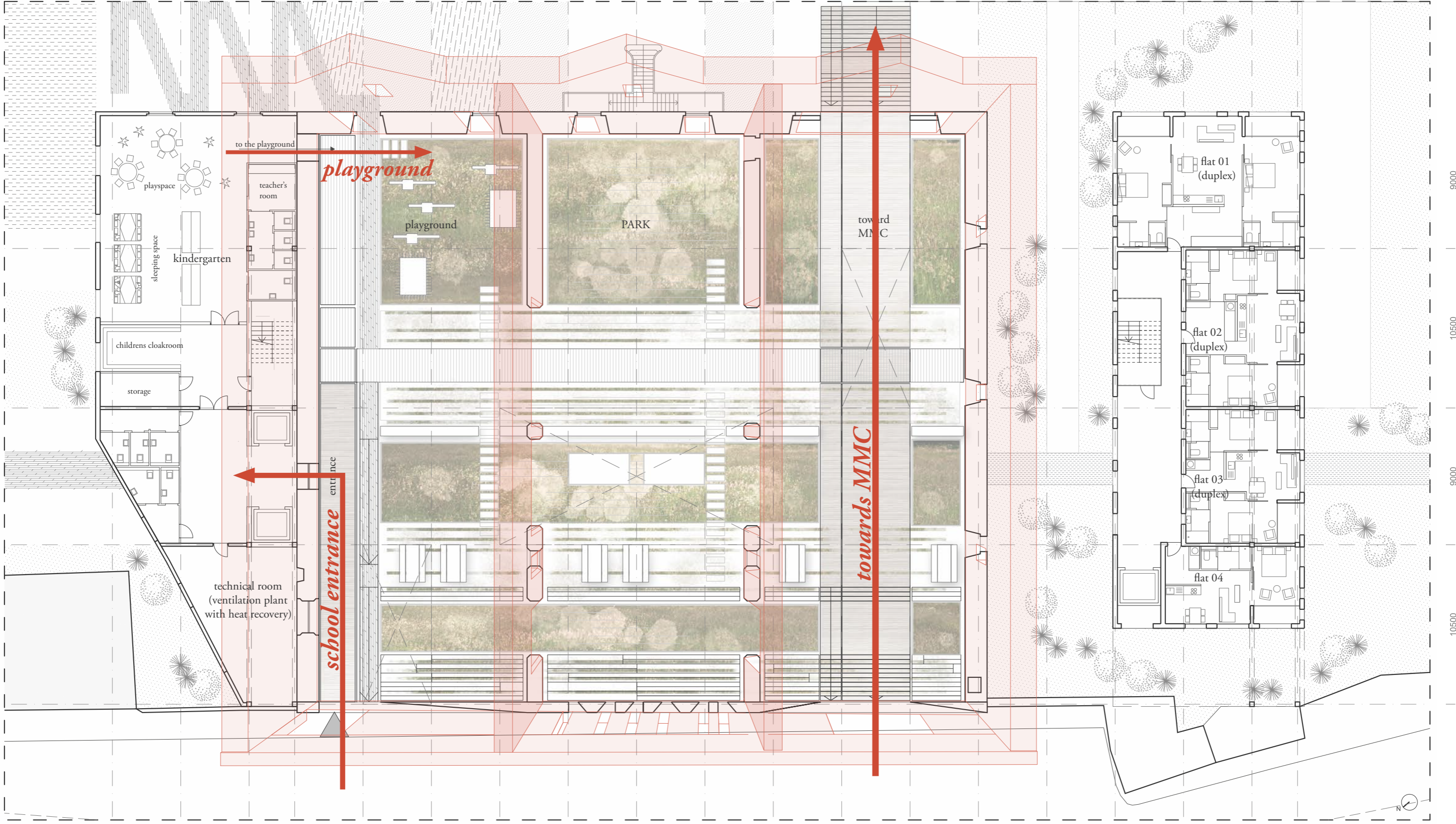




Walking through the Park in Supermarket



4500 4500 3000 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 3000



9000

10500

9000

10500

0 1 2 4 6 8 10 m

Factory De Porre
Belgium, Vandriessche Aarchitecten



Parco Dora,
Italy, Latz



Copenhagen Business School,
Denmark, Marianne Levinsen



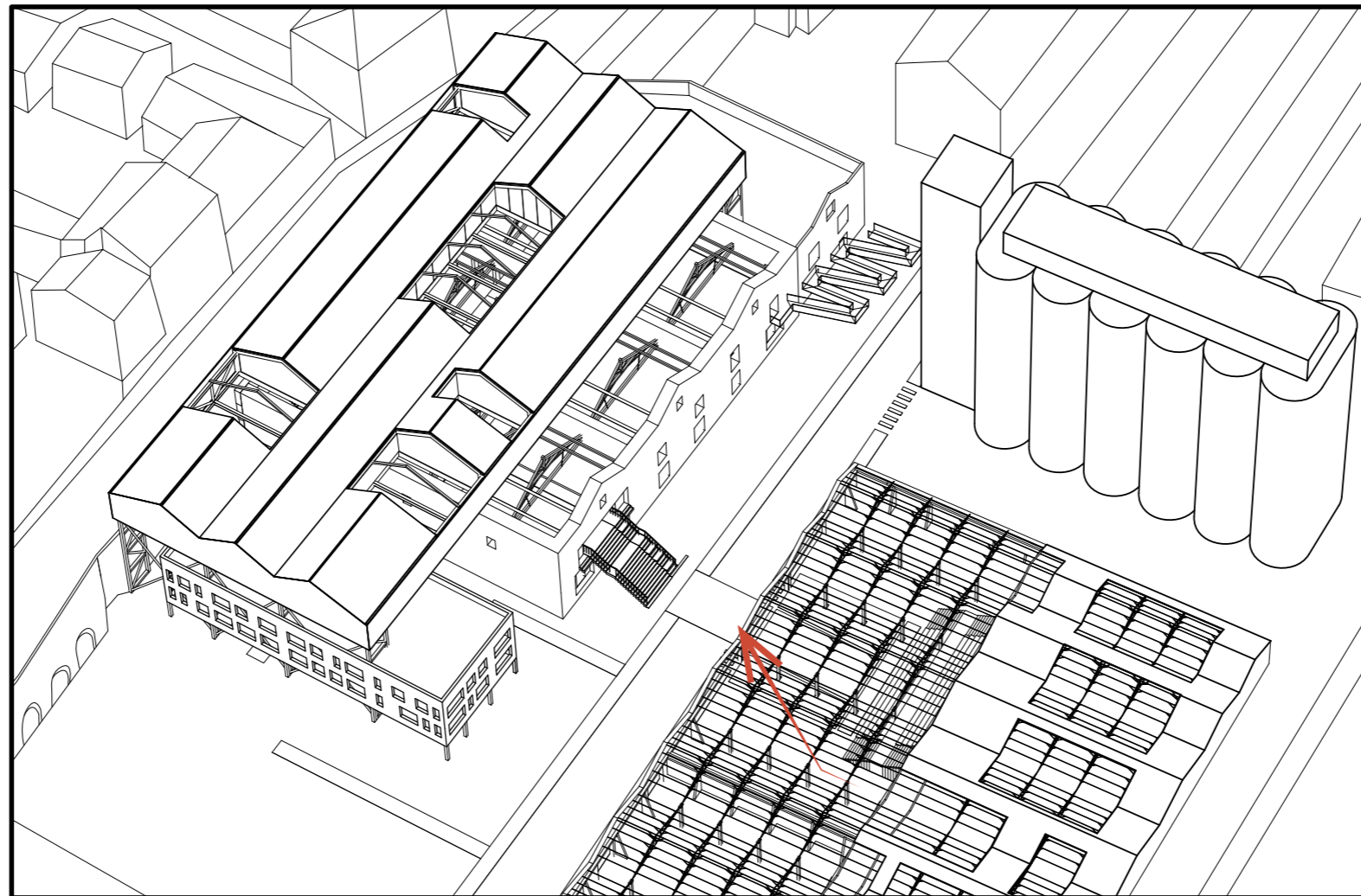
corten steel,
Pinterest





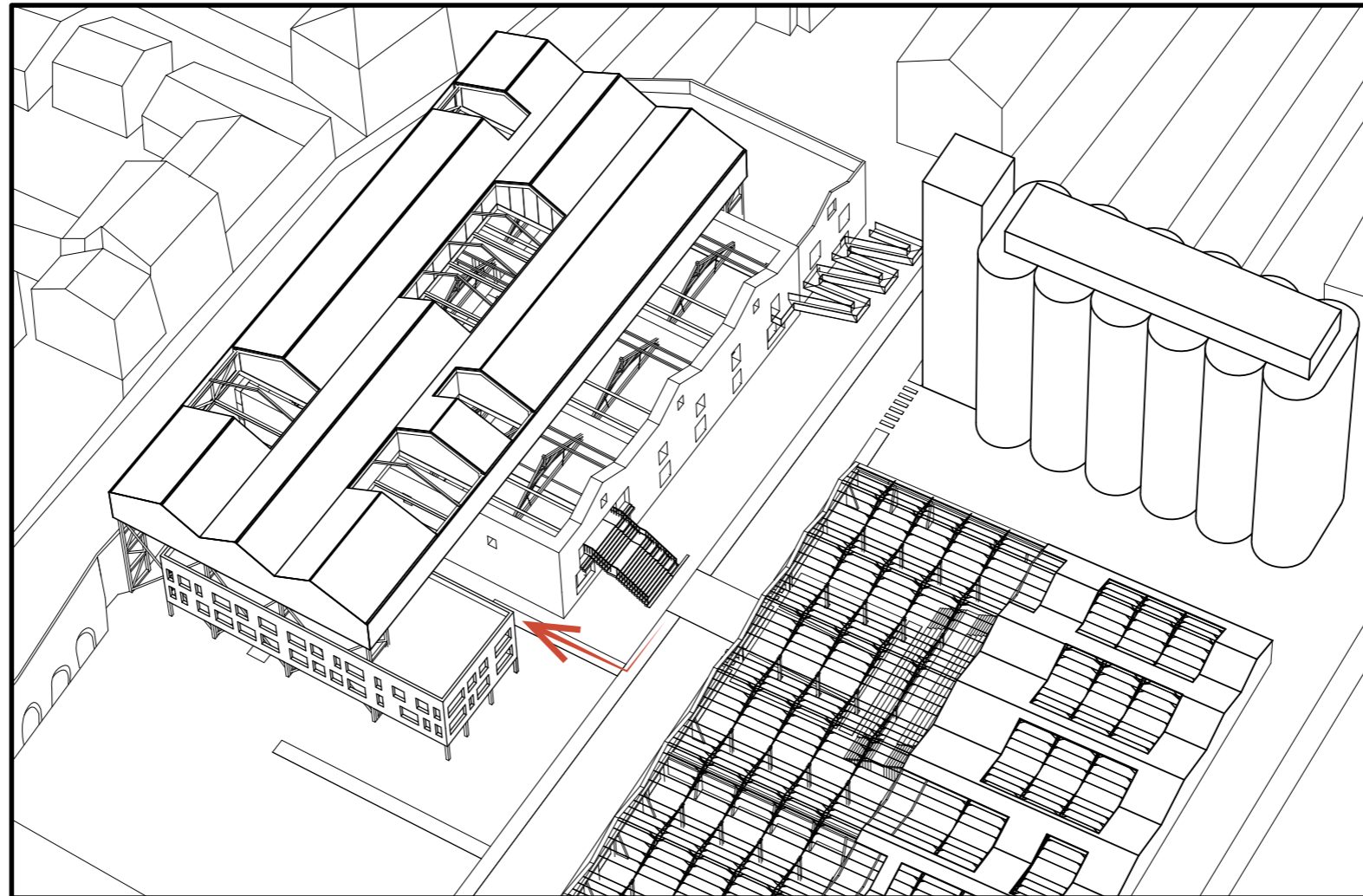
SITE PLAN - PROGRAMME



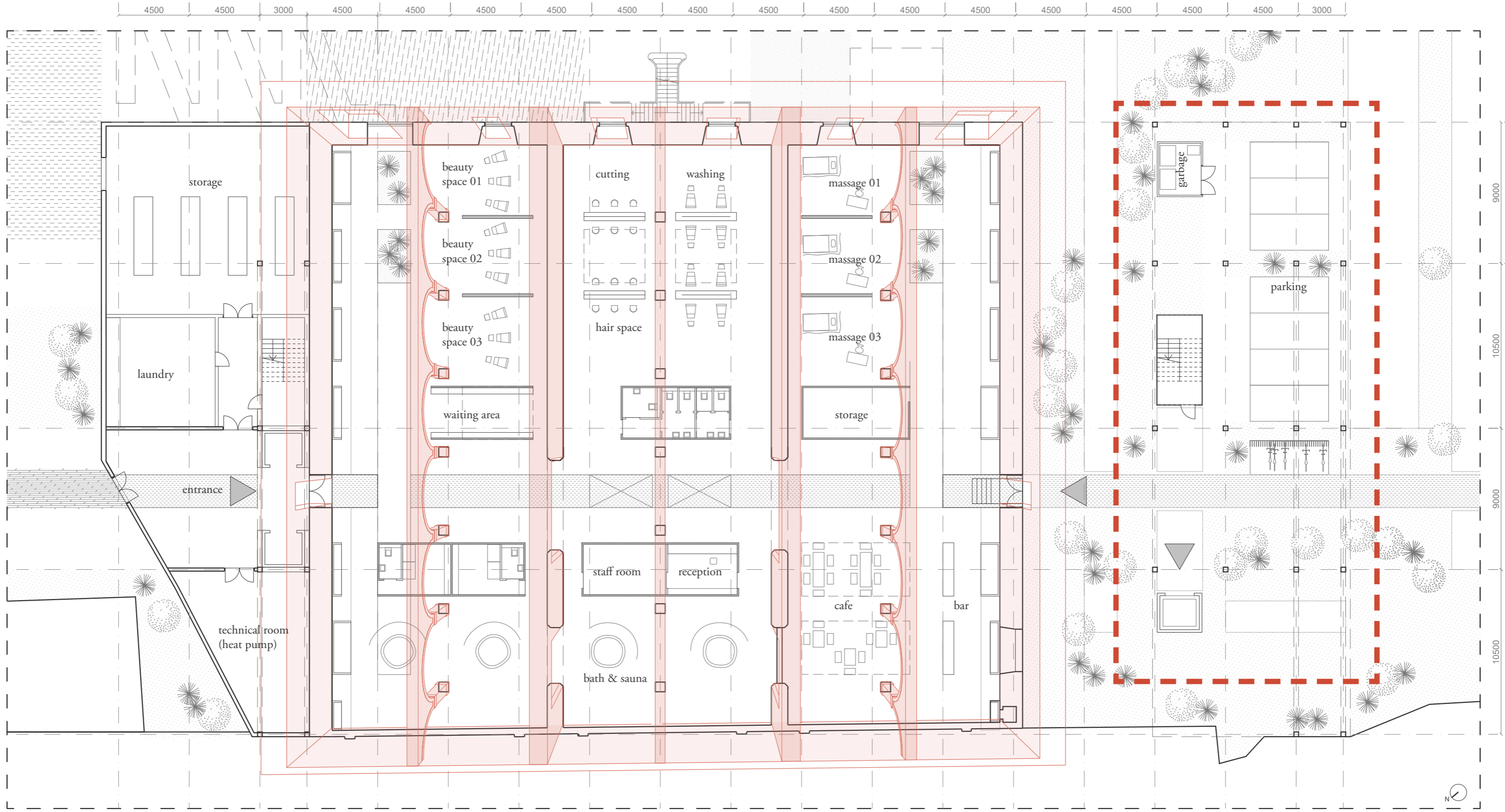
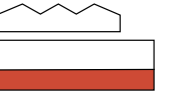


Looking from the Events Square towards the Supermarket

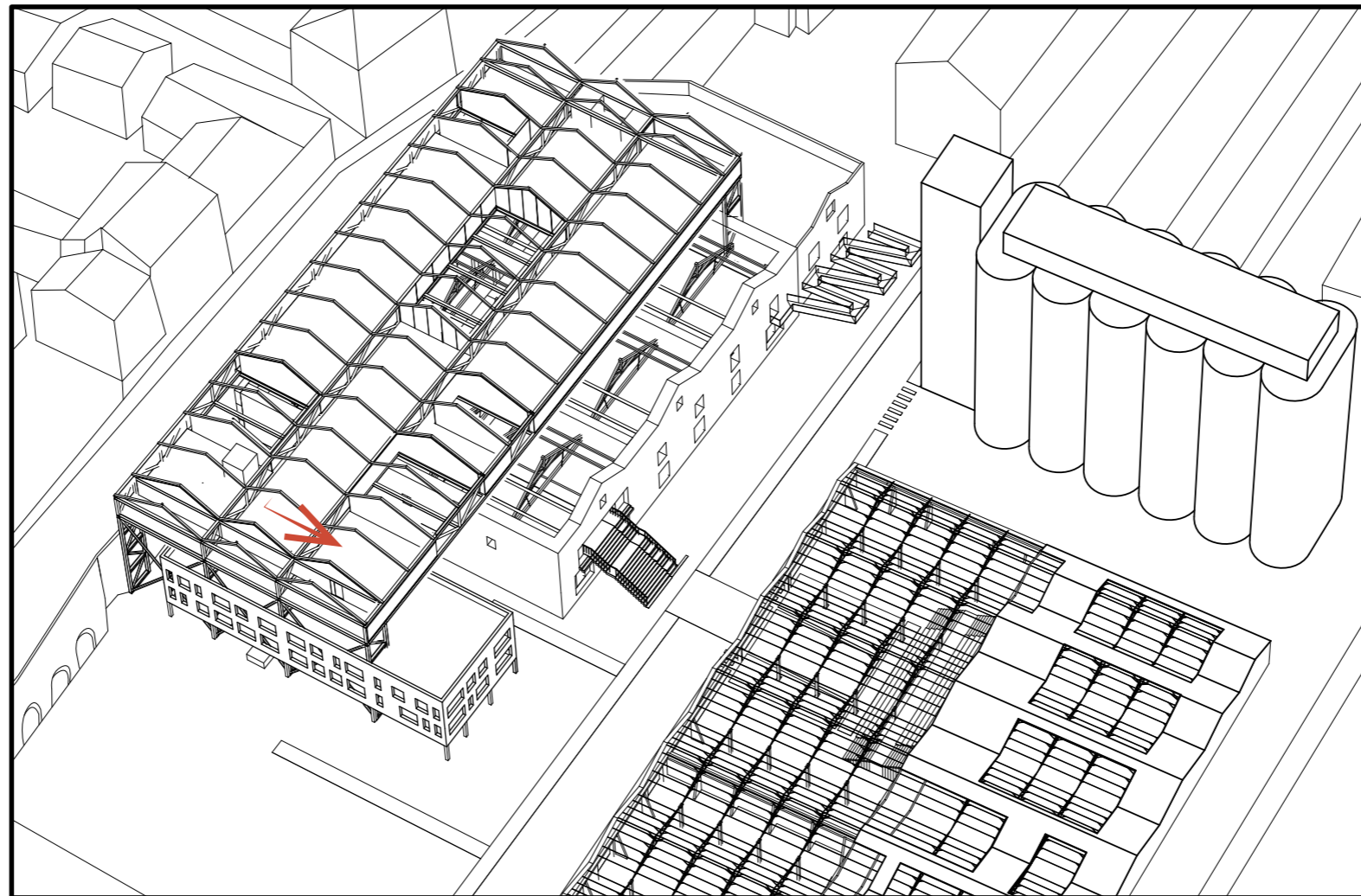




Approaching the apartments building through the residential garden

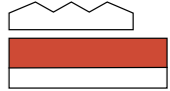




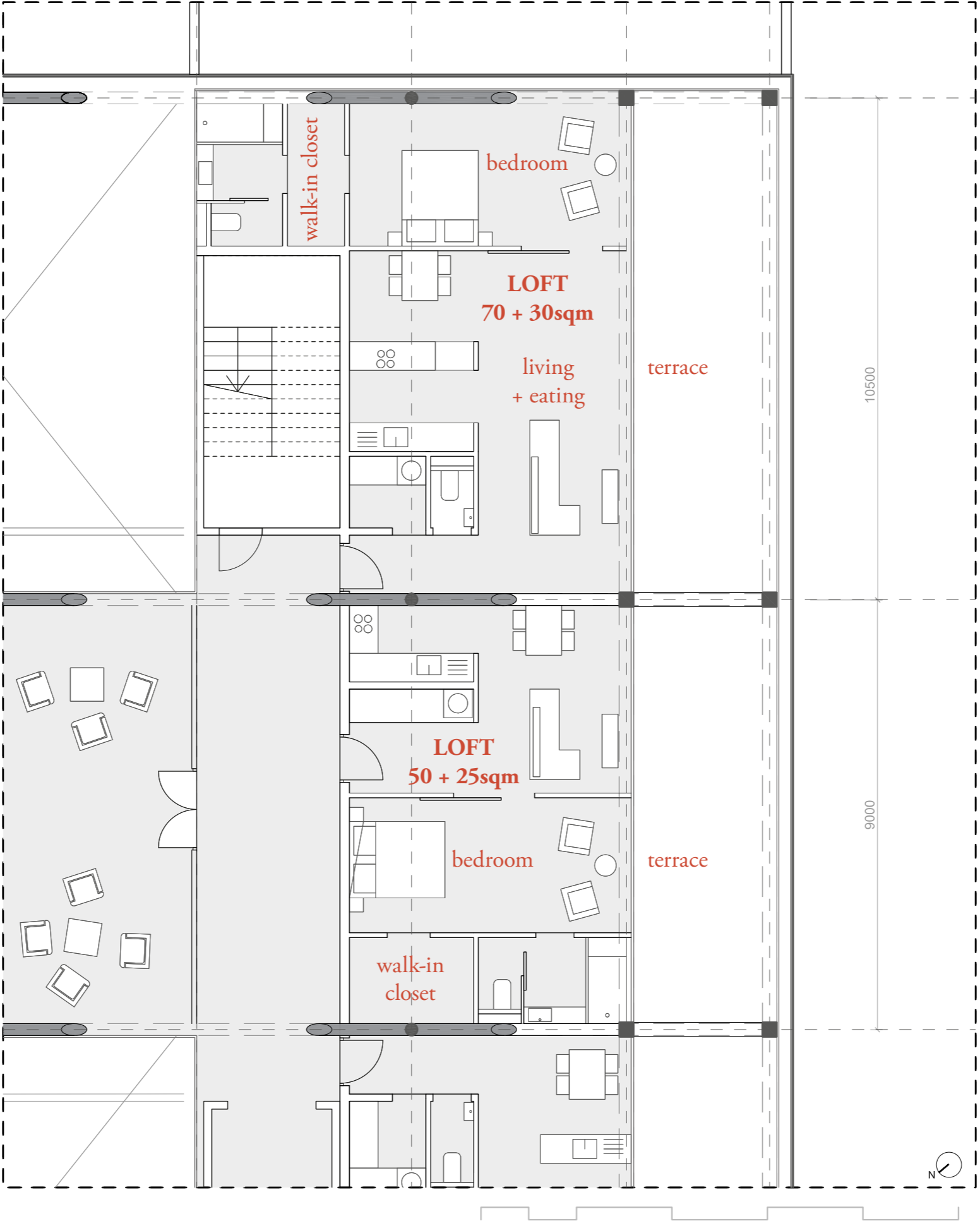


Entering the loft in the top volume

ELDERLY APARTMENTS



ELDERLY APARTMENTS - LOFTS



walk-in closet

bedroom

LOFT
70 + 30sqm

living
+ eating

terrace

10500

LOFT
50 + 25sqm

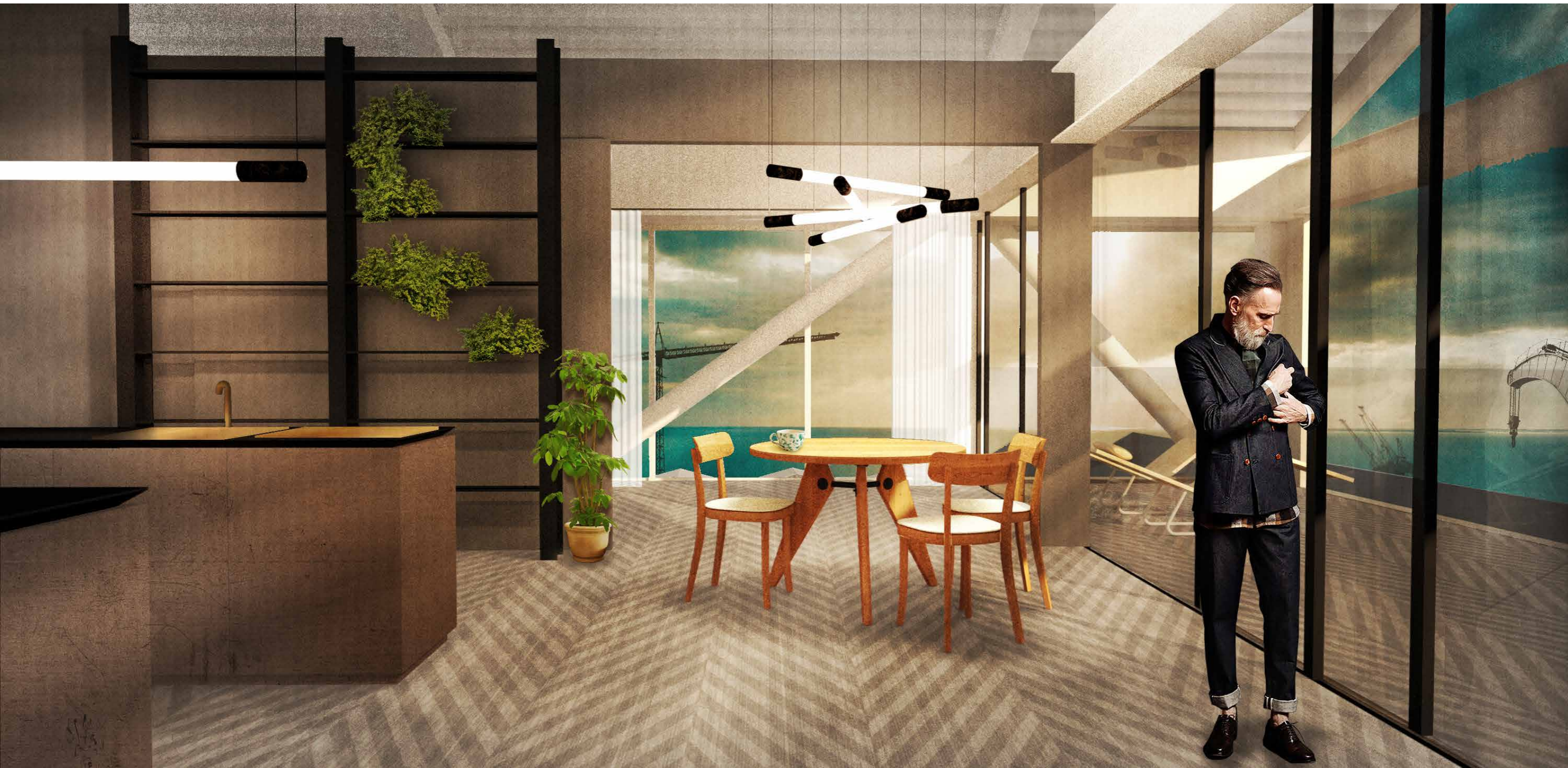
bedroom

terrace

9000

walk-in
closet





REFLECTIONS

BEATO'S NARRATIVE ALIVE

Convents & Discoveries
(XVI-XVIII century)



Arsenal de Marinha © Museu de Marinha

Industrialisation
(XIX century - 1930)



Archive photo supplied by Docomomo Workshop

Concession
(1970 - now)



All-age friendly MMC
(future)



SPACE INTO PLACE

Empty Rua do Grilo



Vacant structures in MMC



New park in Supermarket



Events square



SUSTAINABLE DEVELOPMENT FOR LOCAL COMMUNITY

Local community of Beato



Open school for elderly

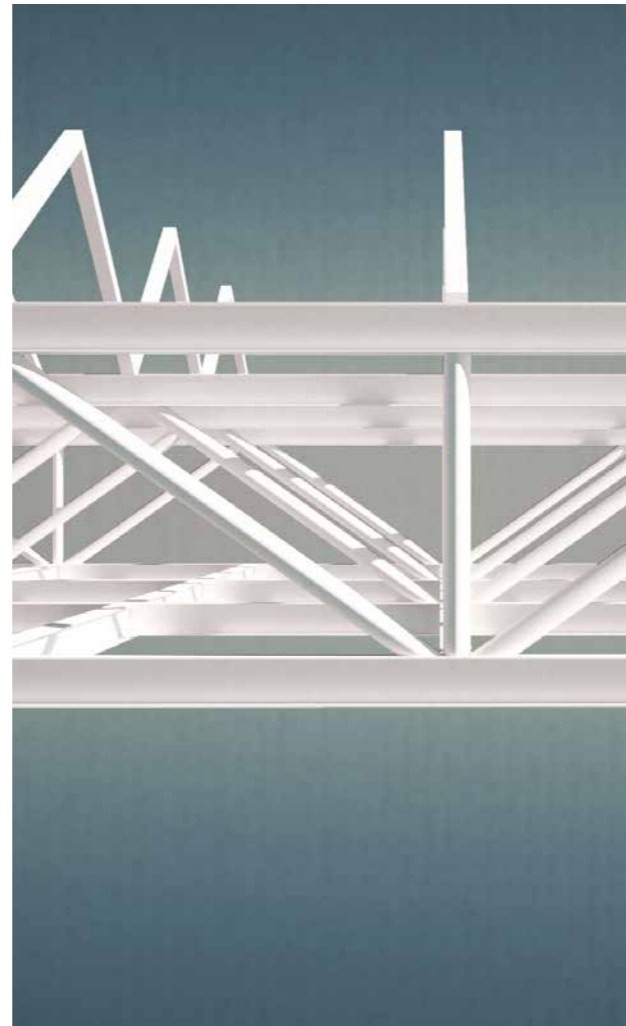
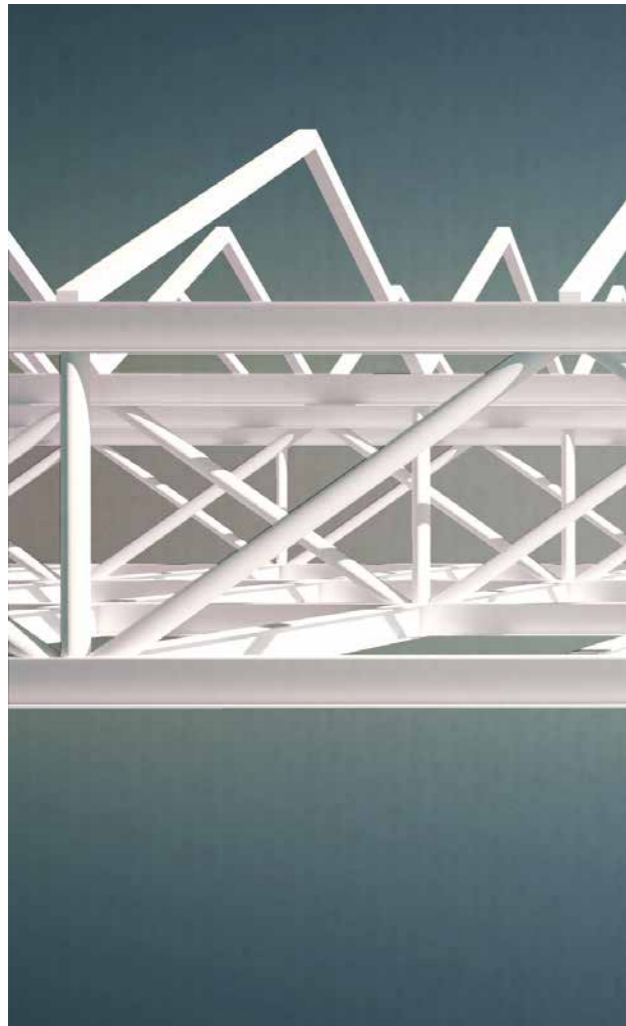


Wellness centre



FLEXIBLE CATALYST

New flexible structure



Gate of MMC during the night



New luxurious apartments



Thank you for your attention!