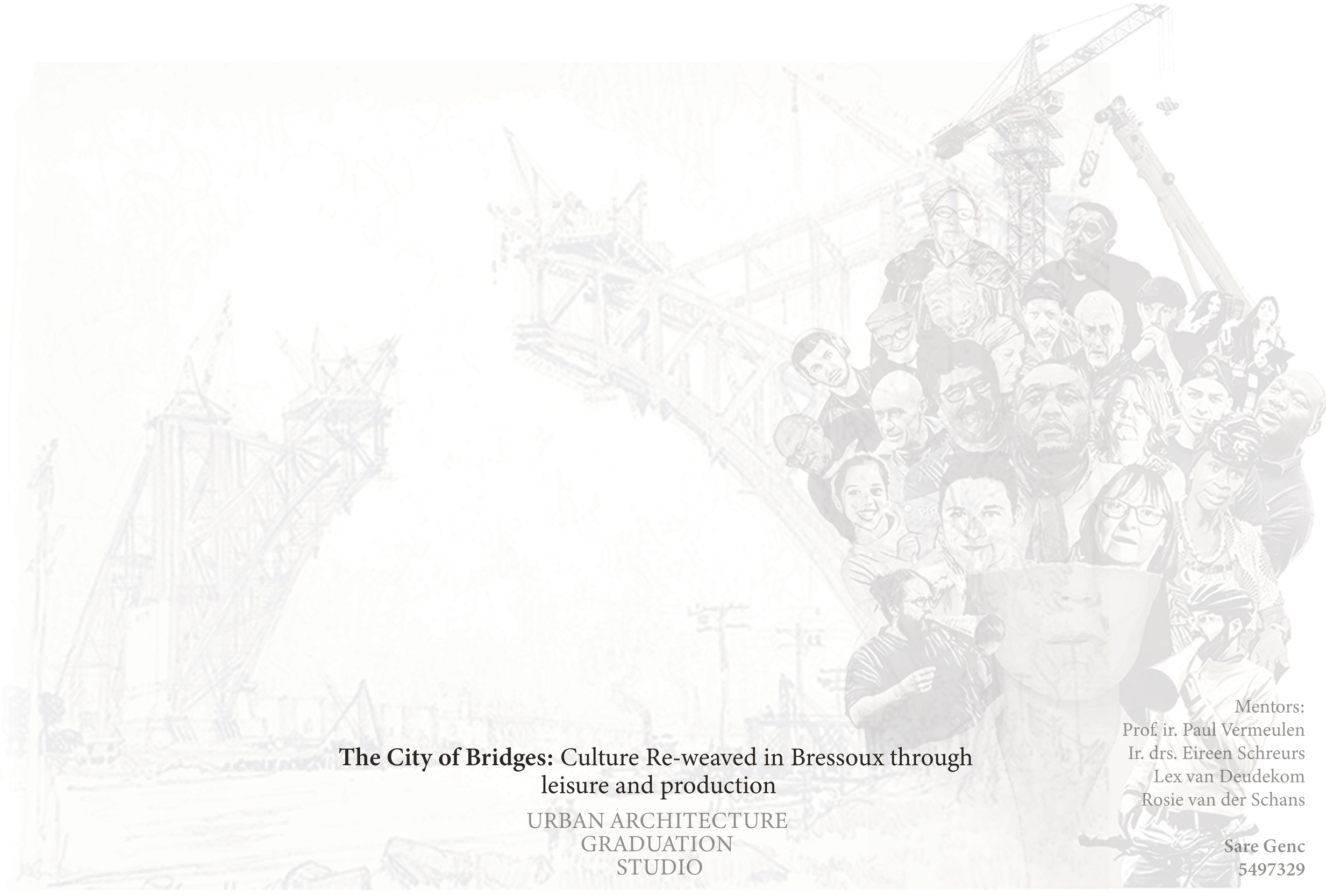


The City of Bridges: Culture Re-weaved in Bressoux through leisure and production

URBAN ARCHITECTURE
GRADUATION
STUDIO

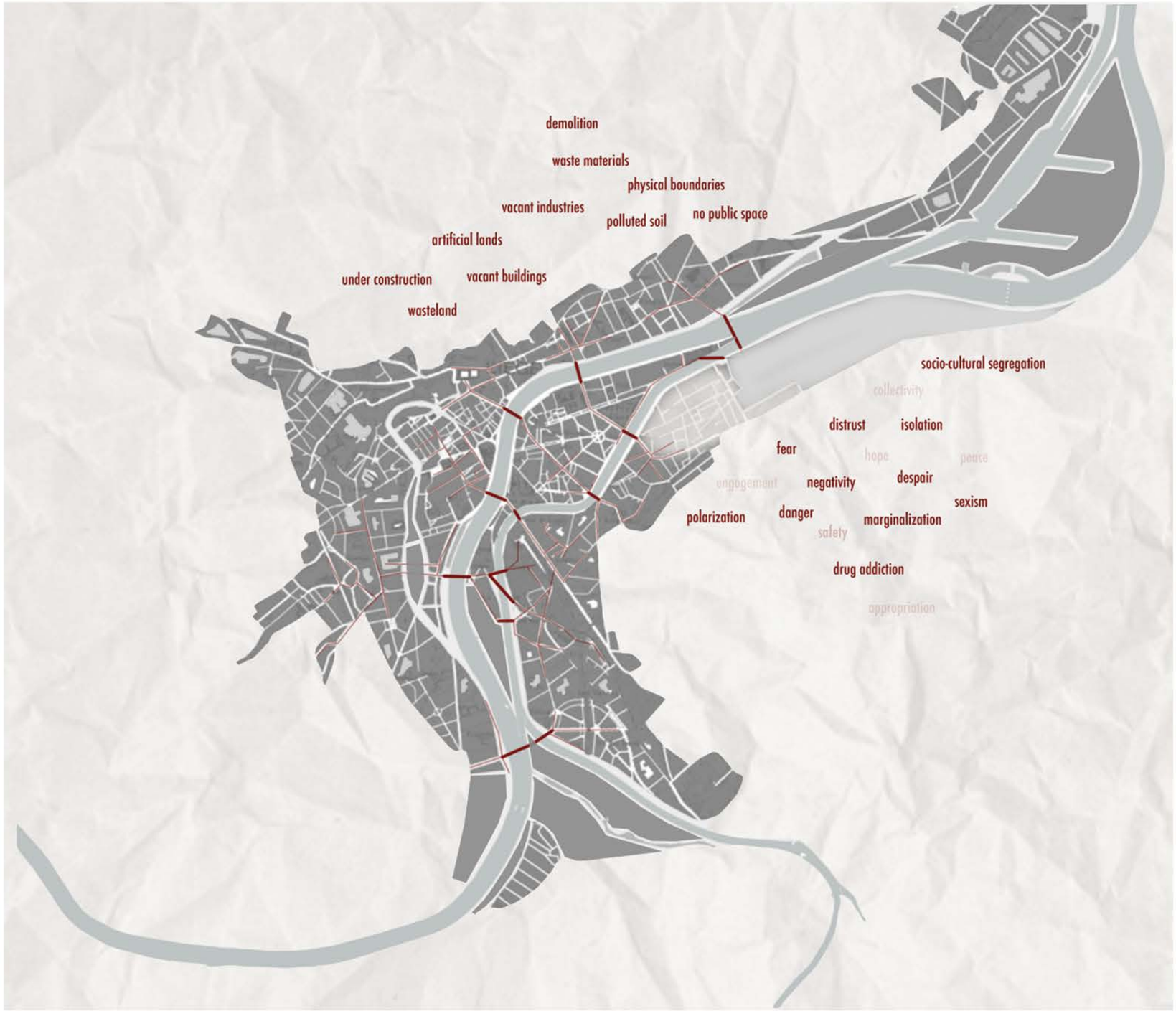
Mentors:
Prof. ir. Paul Vermeulen
Ir. drs. Eireen Schreurs
Lex van Deudekom
Rosie van der Schans

Sare Genc
5497329





bridge as a meeting point, connection



The invisible site of Liège: Bressoux-Droixhe, illustrated by the author

I see this neighborhood as the scar of the city or maybe still a wound to be healed.
Can Bressoux rise again from the ashes?

The neighborhood is the people.



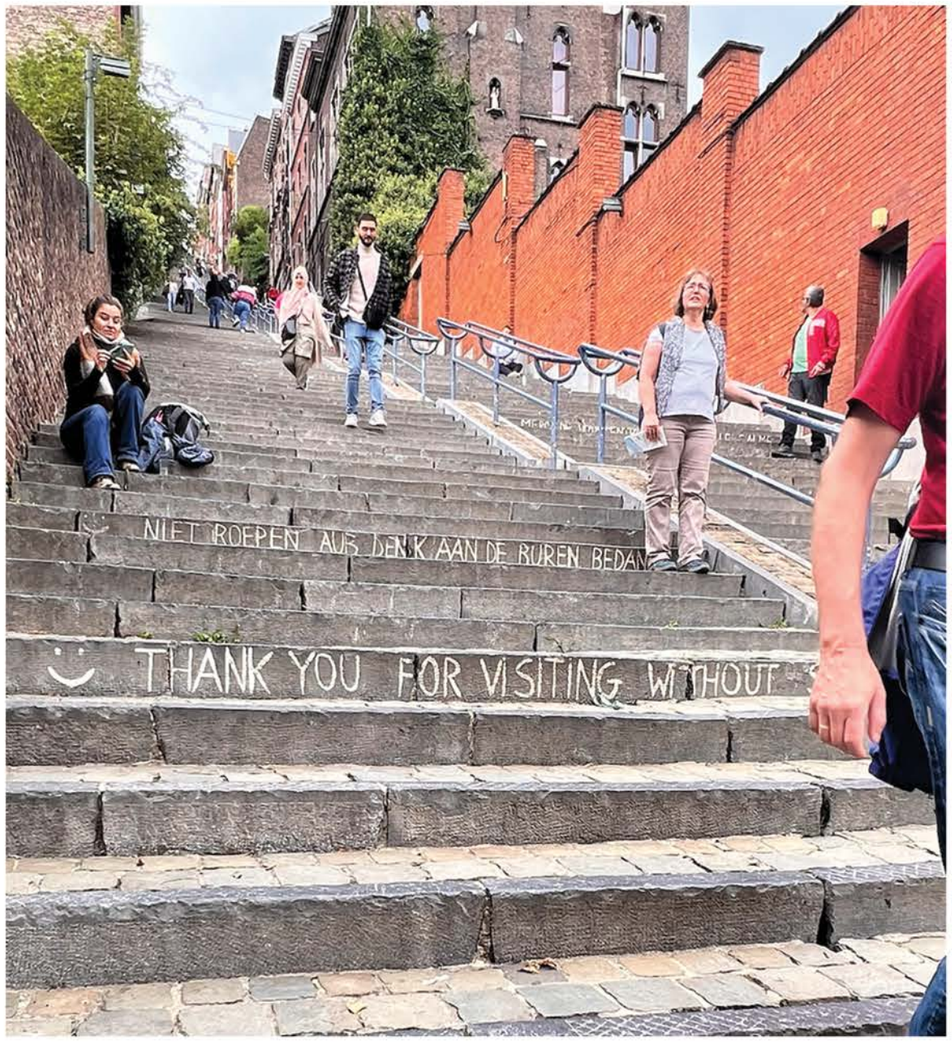


Kublai Khan remains silent, reflecting. Then he adds: "Why do you speak to me of the stones? It is only the arch that matters to me."
Polo answers: "Without stones there is no arch" (Calvino, 1978).



Collage of tangible scars by the author
(interpretation of mining-working collage)

Bressoux is home to people from every country imaginable

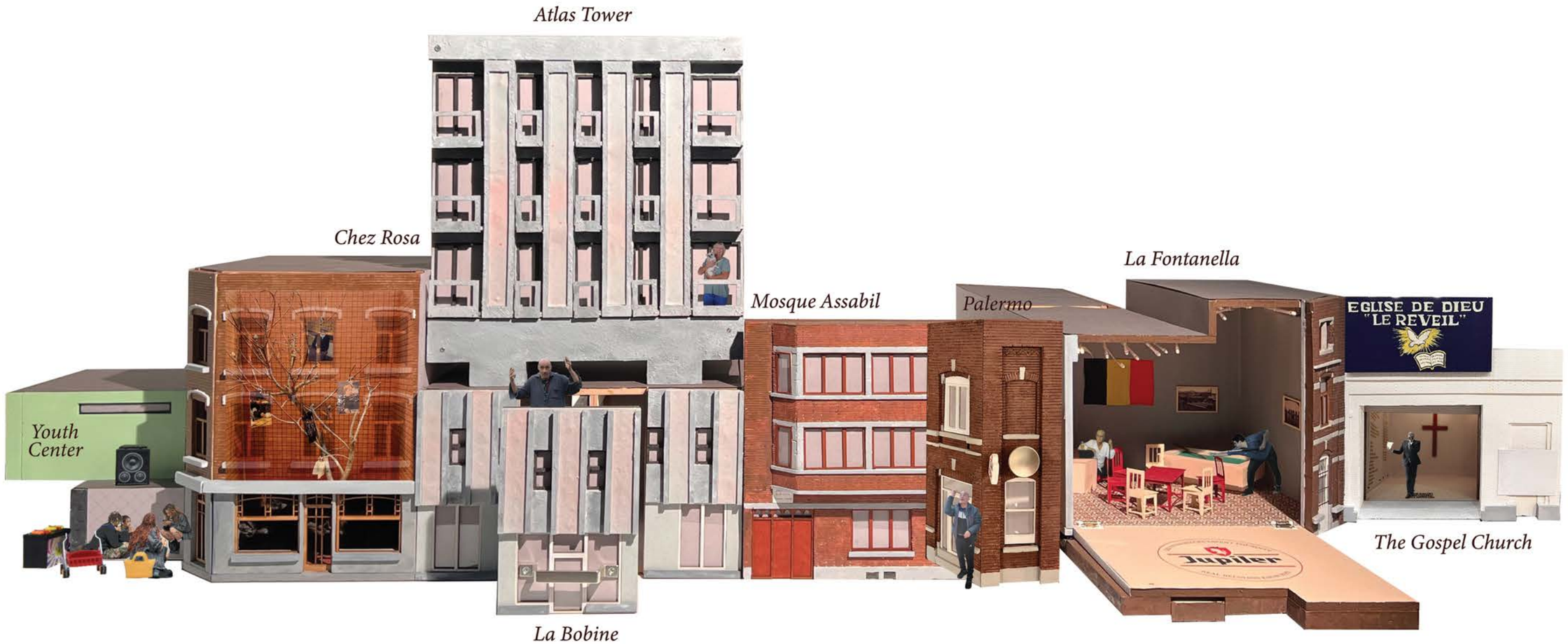




It is a kaleidoscope of nations, cultures and religions



First impression of the neighborhood, Bressoux
isolated, dull streets

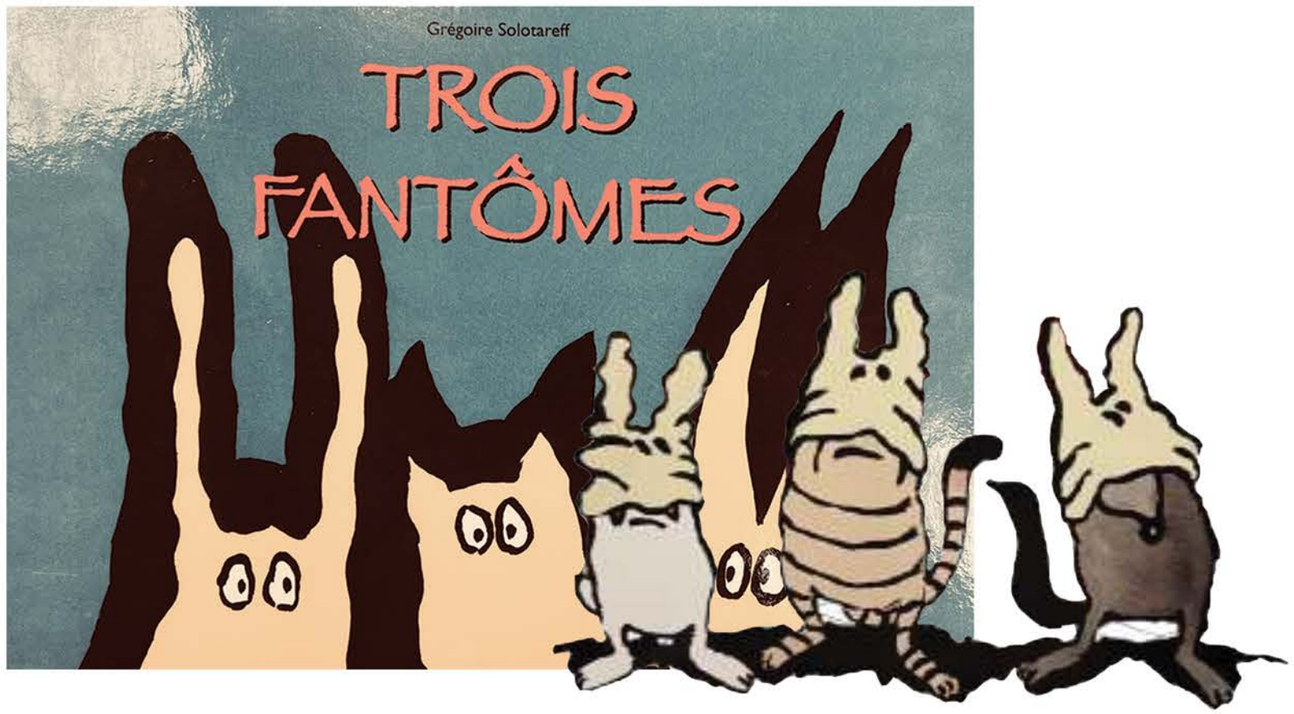


Invisible communities behind
the facades

Cities within cities



‘In Chloe, a great city,
the people who move through the streets are all ***strangers***. At each encounter, they imagine a thousand things about one another; meetings that could take place between them, conversations, surprises, caresses, bites. But no one greets anyone; eyes lock for a second, then dart away, seeking other eyes, never stopping’ (Calvino, 1978).



Children’s book from Bibliotheque du Rue



Recomposition of
Bressoux Model

Pour vivre heureux, vivons cachés?

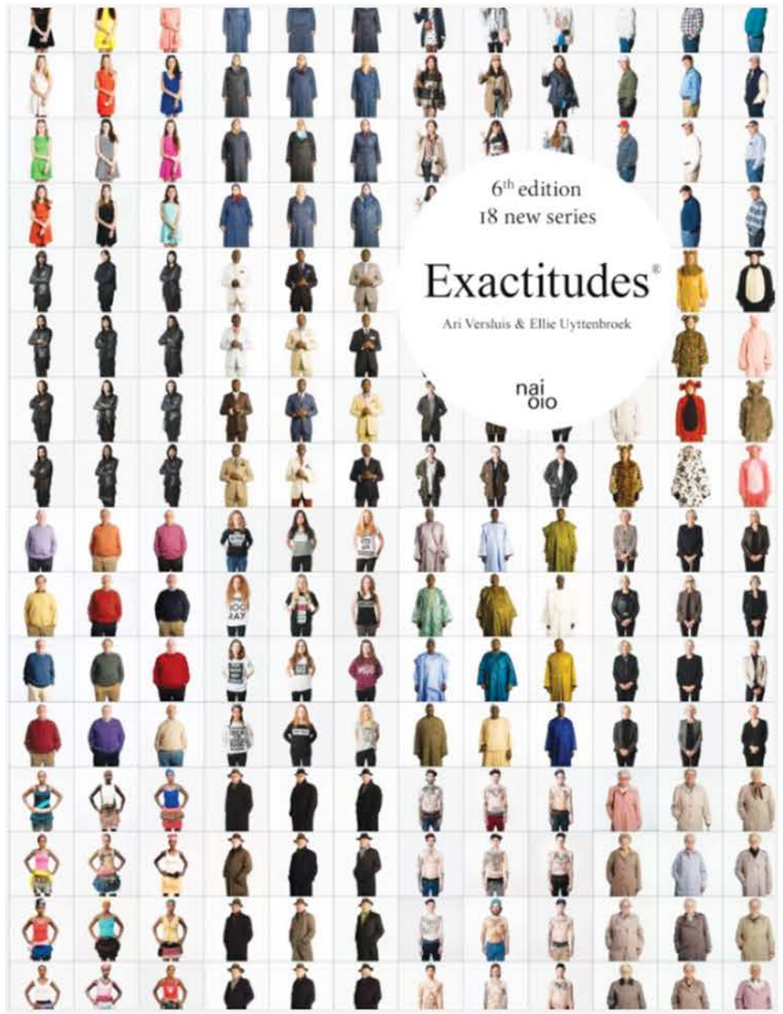


According to the ***I Believe*** project,
researchers predict that the European citizen definition is
becoming more diverse and by 2060, one in three Europeans will have a
migration background. We should consider the changes in society, as
21st-century cities are more multicultural, and show respect and
acceptance of our varied diversities.

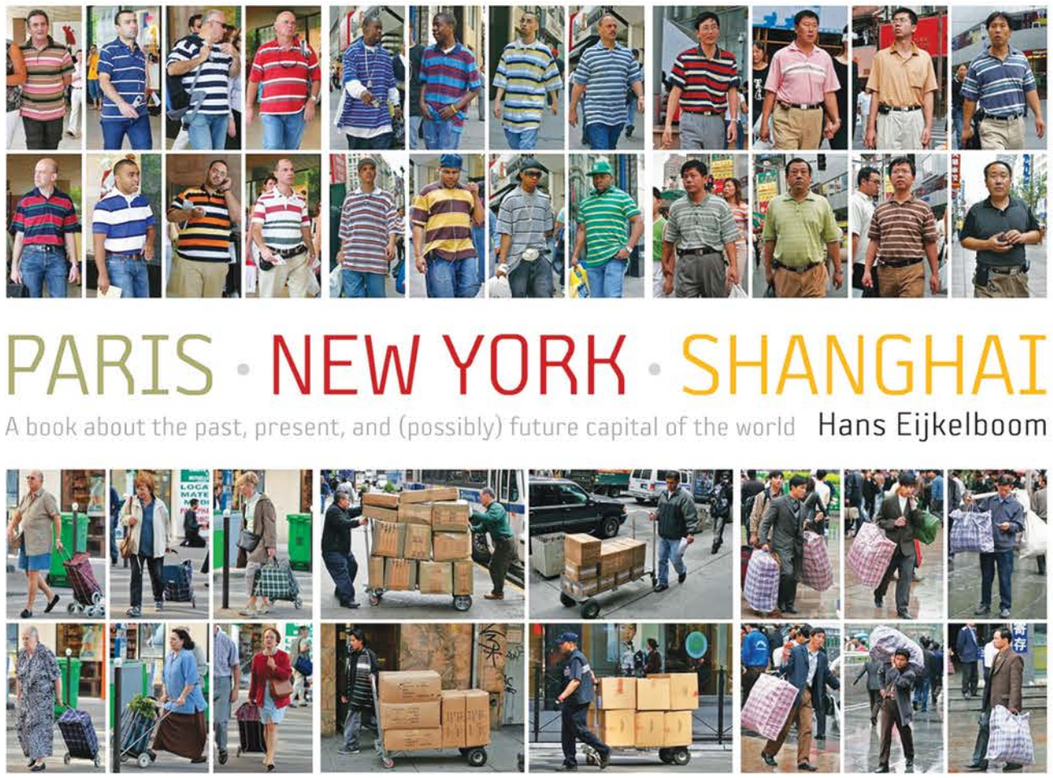
UNDERSTANDING THE SEGREGATION

The physical environment in different scales (clothes, furnishings, buildings, gardens, streets, neighborhoods) is used in the presentation of self. People are territorial beings who define and mark space and create visible and invisible boundaries.

Appropriation scale: Clothes

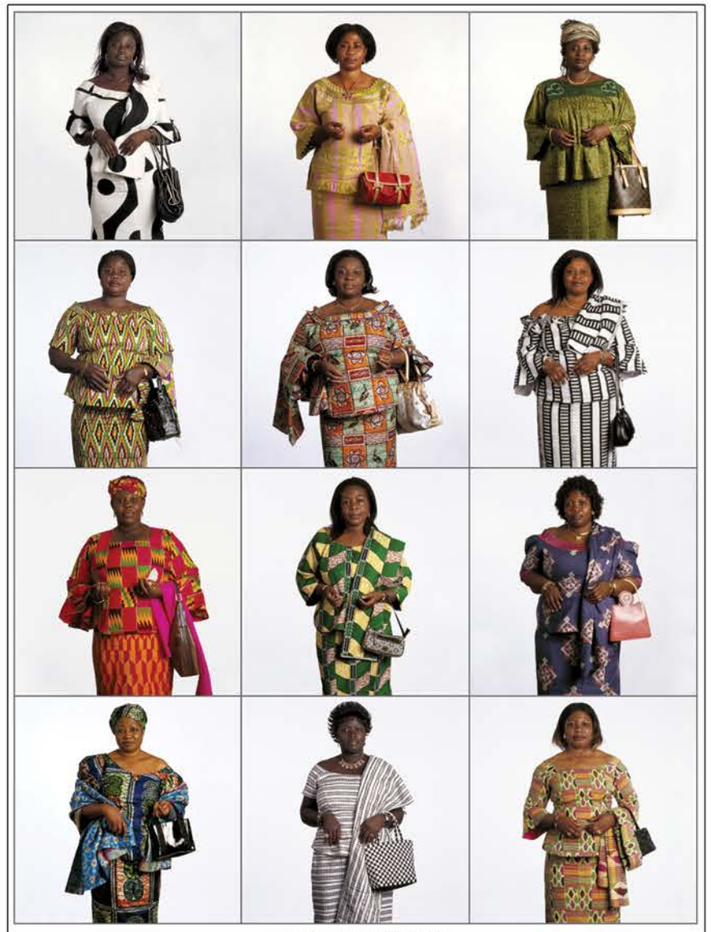


"parading our identities-in uniform, performing on the street;
connecting, how people meet and differentiate and merge."



Is there a concordance between what we wear
and what we are?





76. Praise - Amsterdam 2006





112. Sapeurs - Paris 2008





111. Gitanes - Paris 2008

Babushkas











Hijabs

Neons









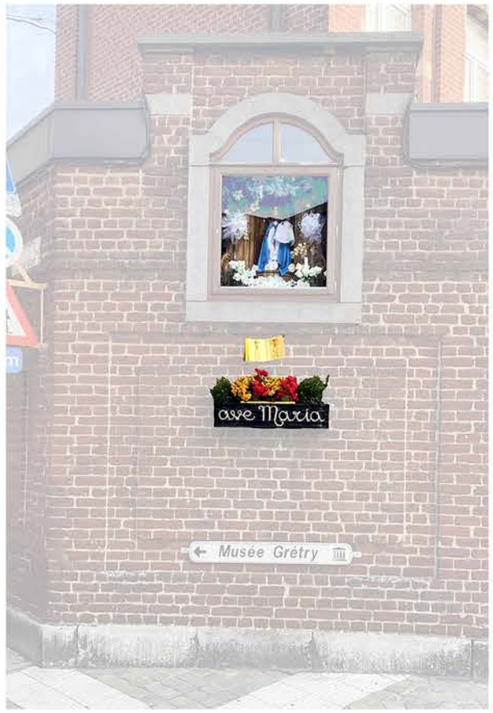



Backpackers

Appropriation scale: Objects

‘ Territorialization is a common behavior
of animals in nature. As birds use a group of twigs to build up their nests
and define a territory, humans use furniture and smaller objects to create their own
interior world ’





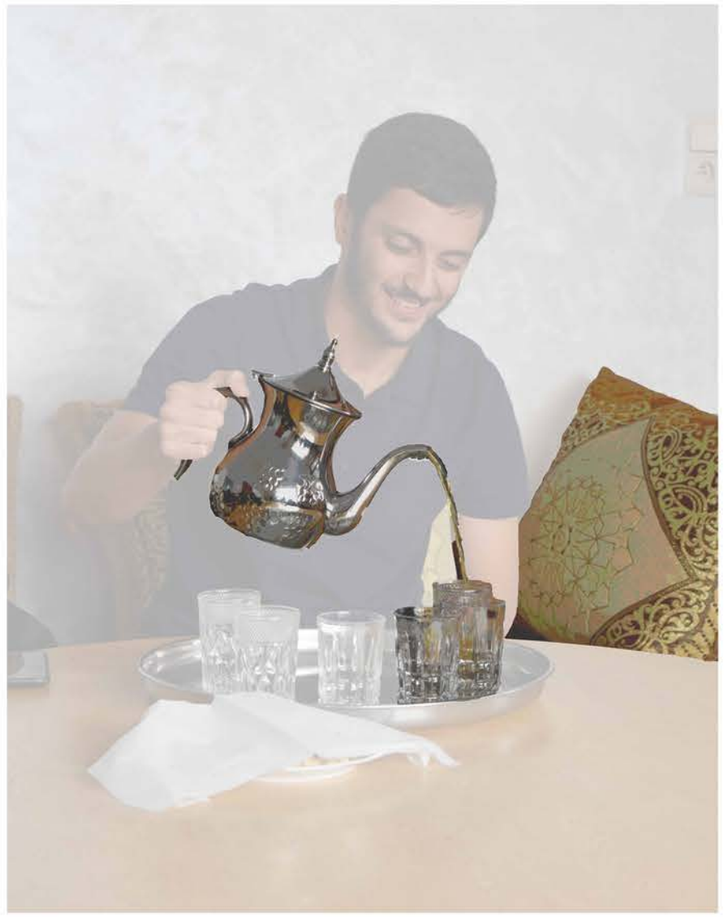








appropriation - objects - values and beliefs







appropriation - objects - culture















appropriation - objects - claim space

Appropriation scale: Body









appropriation - through body

Appropriation scale: Buildings

‘ Birds build a nest; rabbits dig a warren, foxes a den.
They are not constantly doing this, nor do they remain in the shelter they
construct all their lives. The instinct to withdraw to a sheltered abode is directly linked to the
organism nature ’ (Leupen & Mooij, 2018, p. 18).

Appropriation scale: Building















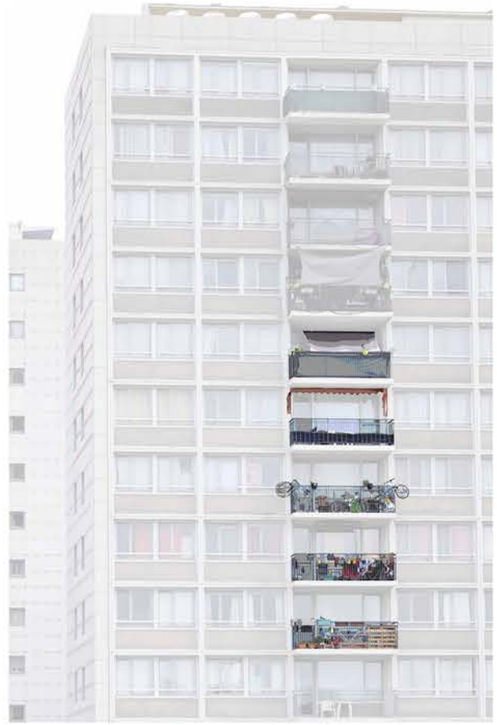


appropriation - sign - define territory

















appropriation - dressing buildings













appropriation - build - define (above)











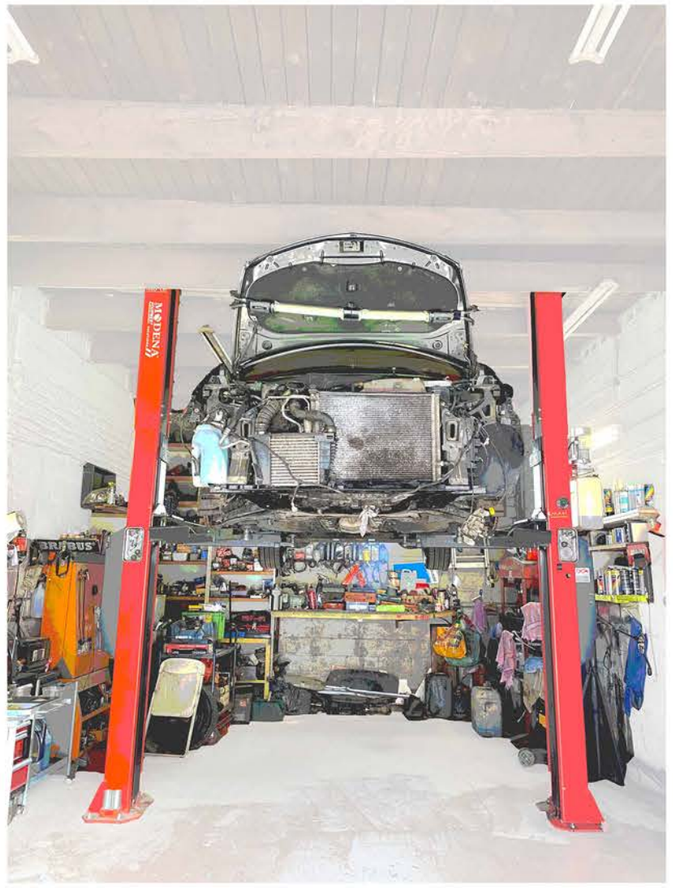






appropriation - build - define (borders)









appropriation - build - under the roof

‘ Many buildings appear, not as fixed objects, but rather as transitional structures that are modified according to changing needs. Spaces, things, and living species are involved in a constant process of change and transformation, at different speeds, in many rhythms, through repeating cycles ’

THE VISUAL CULTURE OF URBAN SEGREGATION

‘Physical environment and the visual symbols, signs, and ornamentation produced by public and private actors create informal borders that denote distinct racial places in the city’ (Knorr, 2016).

Visual cultures construct a narrative of place that can reinforce sociological division



CULTURAL RESILIENCE

'Cultural heritage, whether tangible or intangible, is sustainable to the extent that it has the capability to adapt to change through creative transformation and continues to develop. It is a continuous process of adaptation to shifting circumstances' (Holtorf, 2018)

Cultural heritage should not be seen as a token of the past,
but as a way of facilitating changes that improve people's lives under new circumstances
and thus enhance cultural sustainability.


Dialog
Ideenwettbewerb
Forschung
Soli
dari
tät
Branche
Gründungs
genossen
schaften
Finanzierung
Kosten
miete
Mut zu
Innovation
Echo
räume
Stadt Zürich
Partizipation
Mitglied
schaft
Lüftung
Satelliten
wohnung
Low
Tech
Technik
Häuser
MEHR
ALS
WOHNEN
Planungs
prozess
Dichte
Produzentin
Strom
Verband
Quartier
Archi
tektur
statt
Siedlung
Réception
Nutzer
Allmende
2000
Watt
Gesell
schaft
Gäste
haus
Durch
mischung
Gewerbe
Integration
Autoarm
Erstvermietung
Weiterentwicklung

6. People and Culture in Wallonia

peuple & culture
Wallonie - Bruxelles ASBL

Our actions and training articulate the democratization of culture and cultural democracy based on a **concept of "living together"** which promotes the relationship between generations and **the meeting of cultures** around the values of human dignity, solidarity , equality and freedom... democracy.



Dancing workshop



Neighborhood party

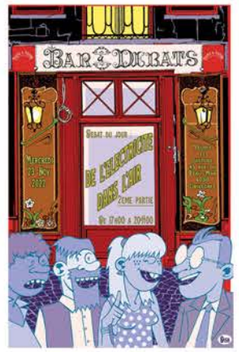
Flea market



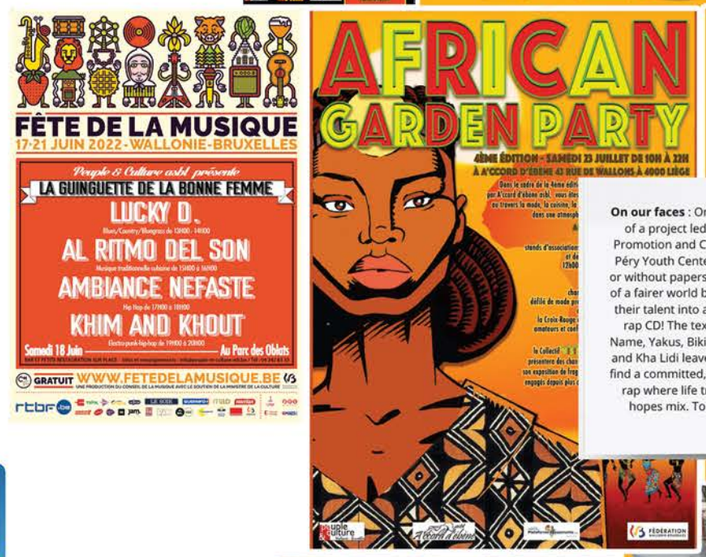


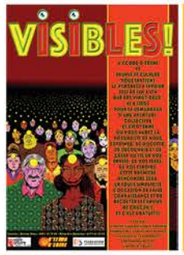
Writing workshops





Discussions







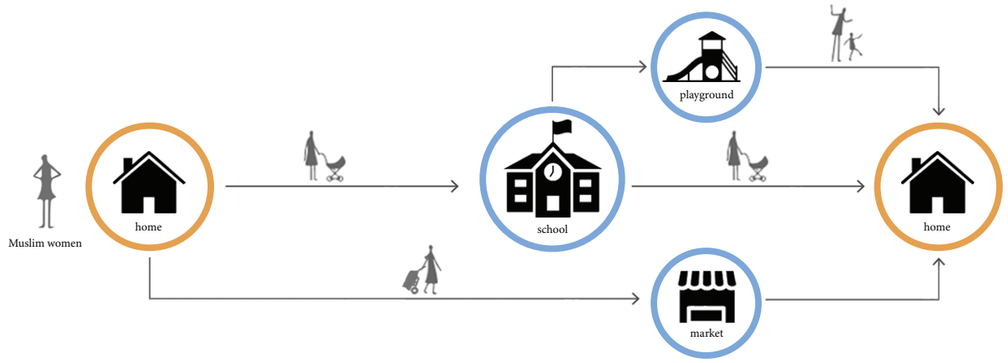


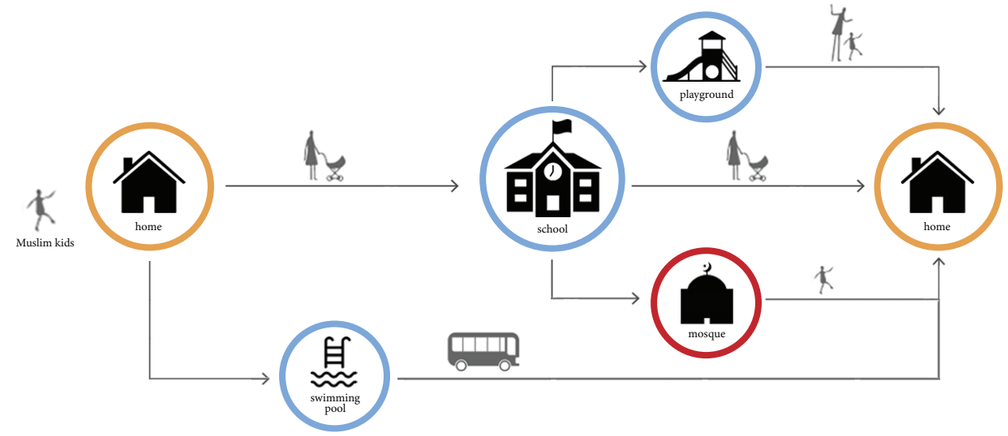
On our faces : On Our Faces is the name of a project led by People & Culture, Promotion and Culture and the Bibi and Péry Youth Centers. Young people, with or without papers, have thought together of a fairer world by putting their guts and their talent into an adventure: making a rap CD! The texts and flow of Lei, No Name, Yakus, Bikire, Pathson, Moha, Joao and Kha Lidi leave no one indifferent, we find a committed, intimate and anti-racist rap where life trajectories, anger and hopes mix. To discover absolutely!

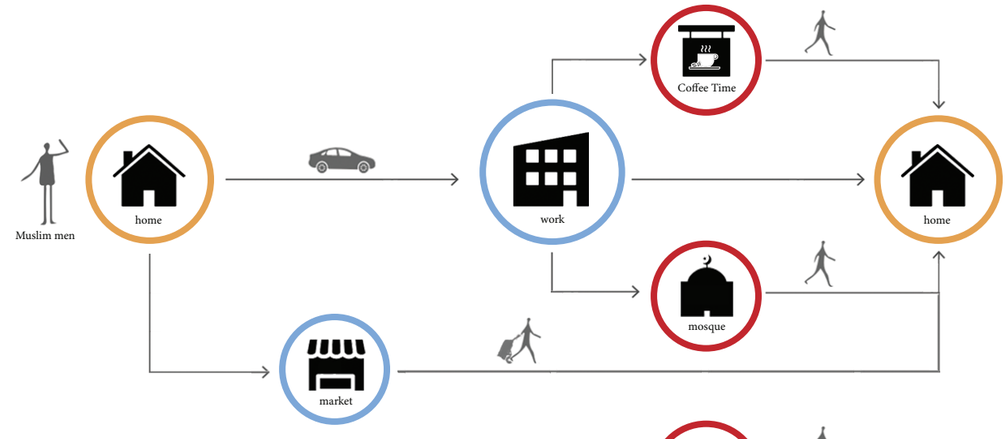
Cultural festivals

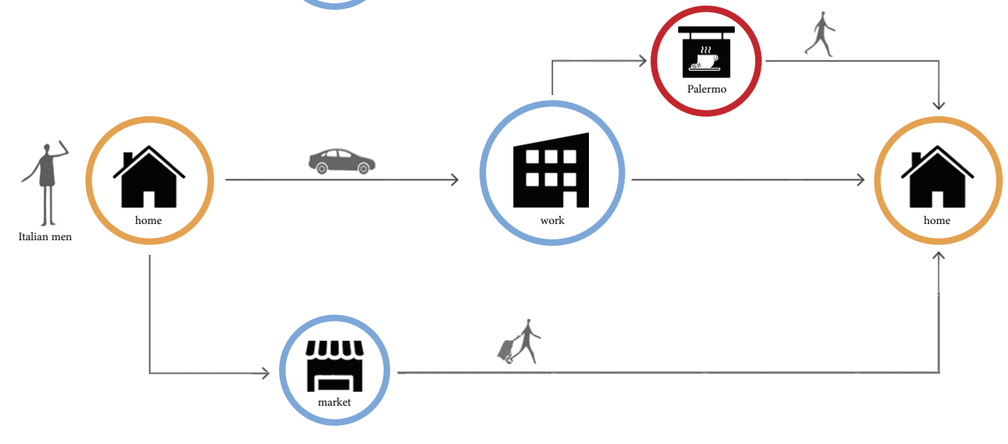


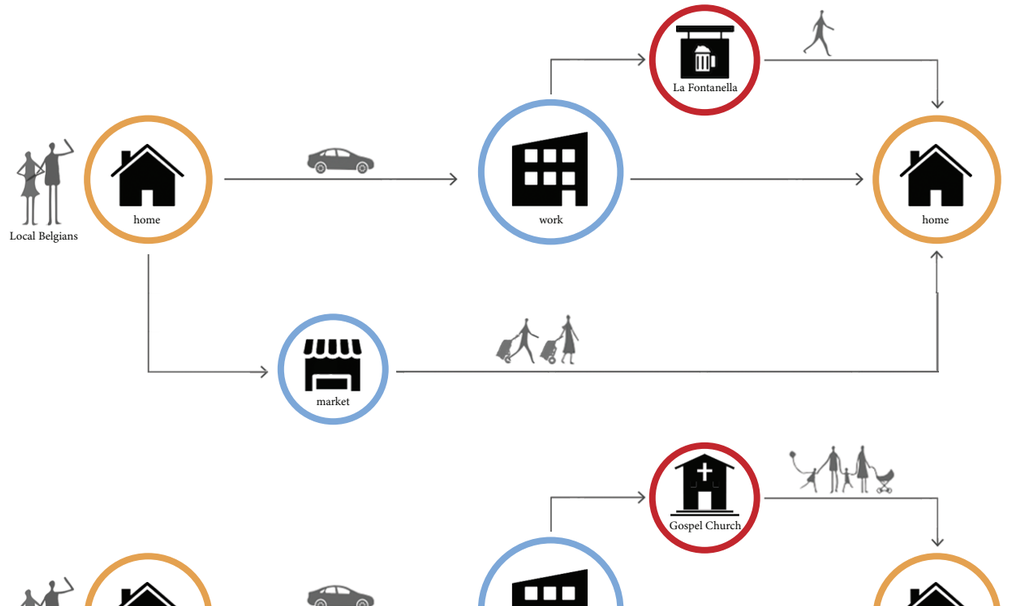


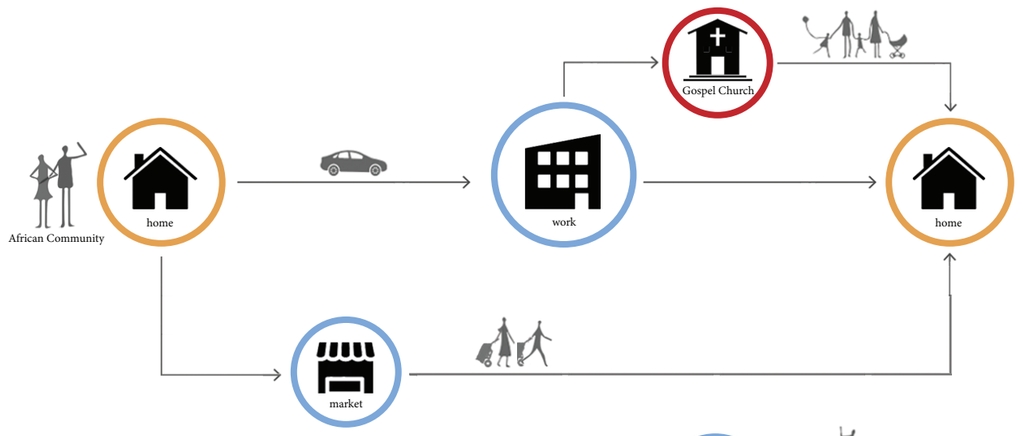

Muslim women
home
school
playground
home
market

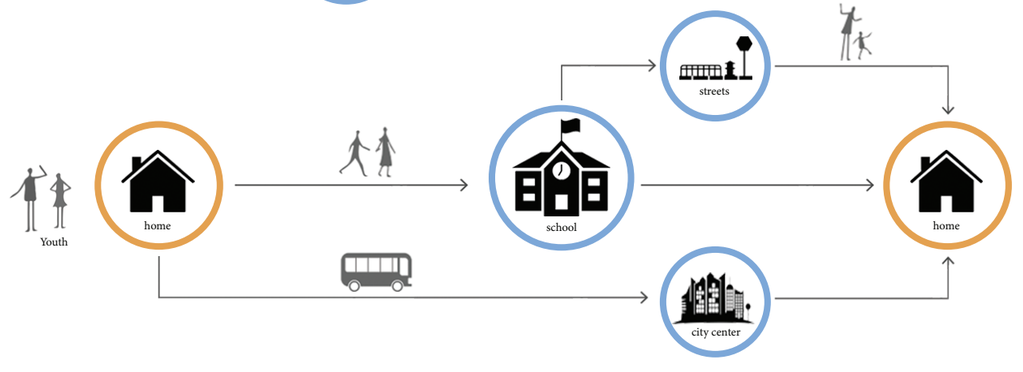

Muslim kids
home
school
playground
home
mosque
swimming pool

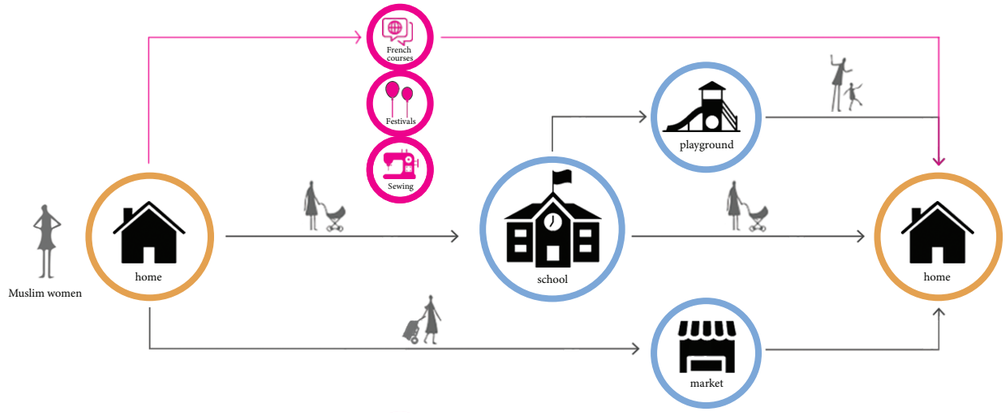

Muslim men
home
work
Coffee Time
home
mosque
market

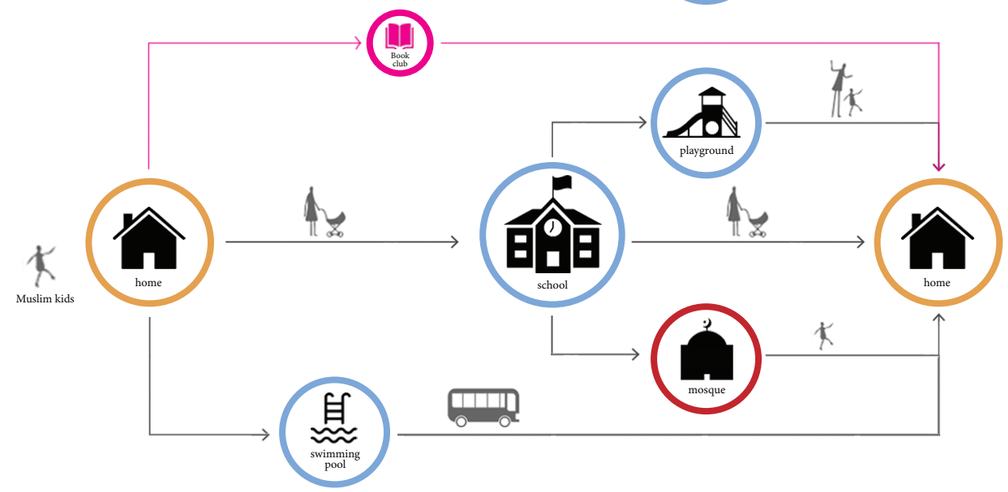

Italian men
home
work
Palermo
home
market

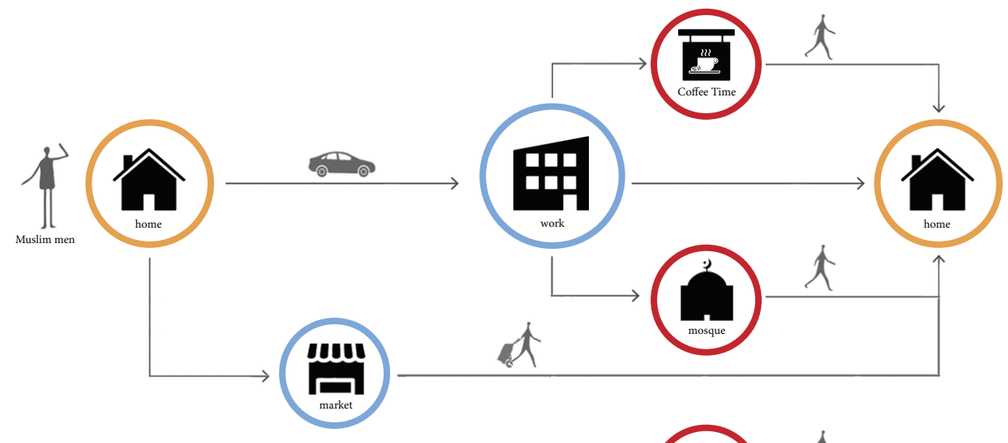

Local Belgians
home
work
La Fontanella
home
market

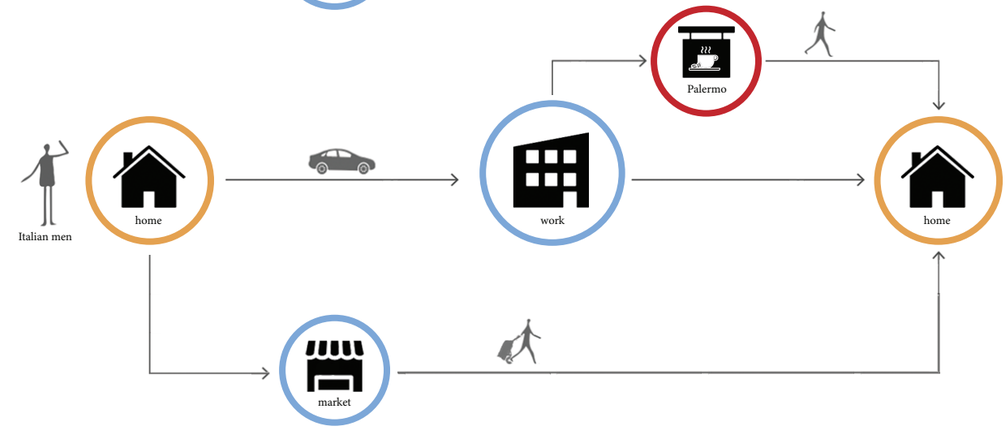

African Community
home
work
Gospel Church
home
market

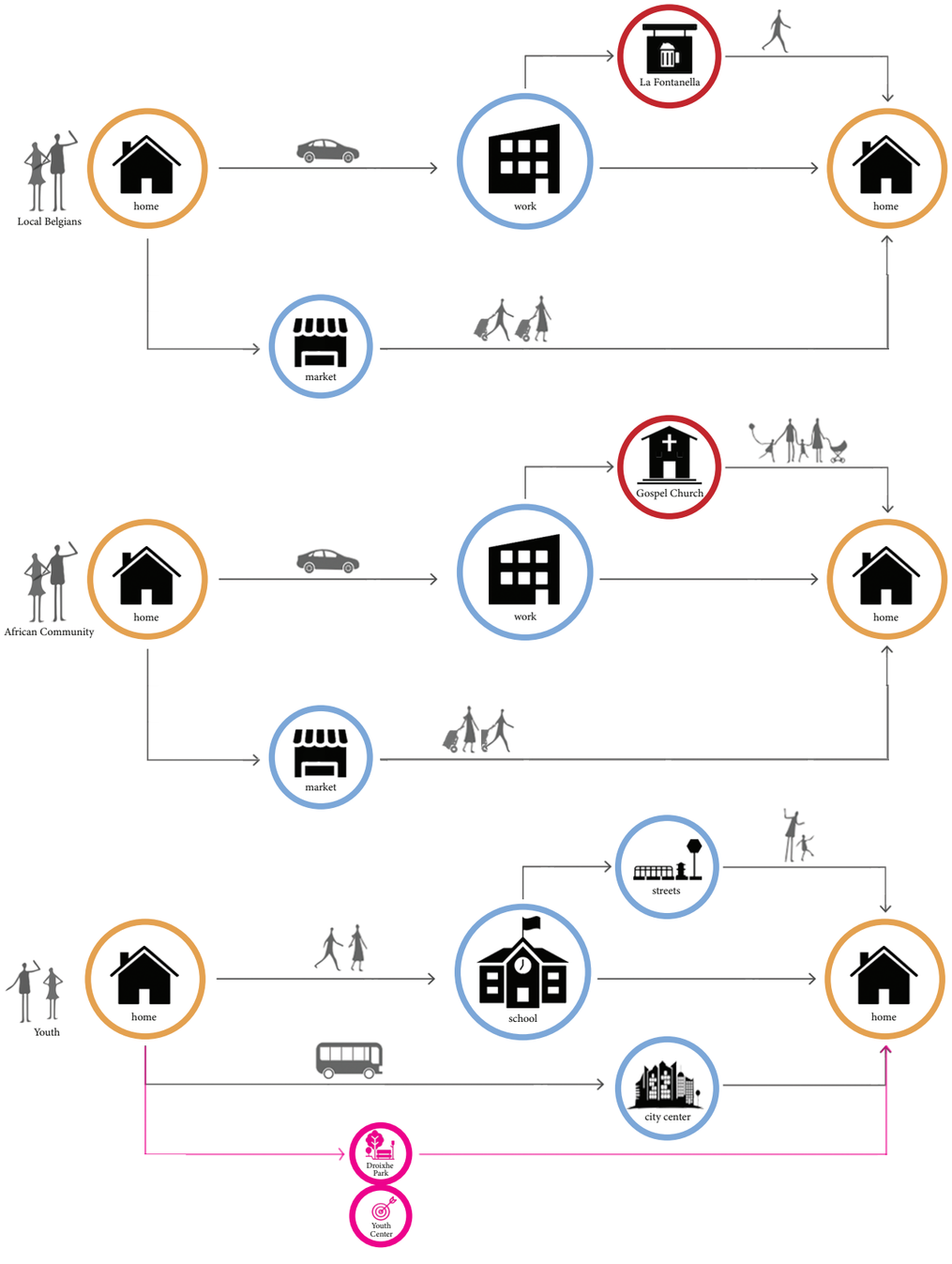

Youth
home
school
streets
home
city center


French courses
Festivals
Sewing
playground
Muslim women
home
school
home
market


Book club
playground
Muslim kids
home
school
home
mosque
swimming pool


Coffee Time
Muslim men
home
work
home
mosque
market


Palermo
Italian men
home
work
home
market


La Fontanella
Local Belgians
home
work
home
market
Gospel Church
African Community
home
work
home
market
streets
Youth
home
school
home
city center
Droixhe Park
Youth Center

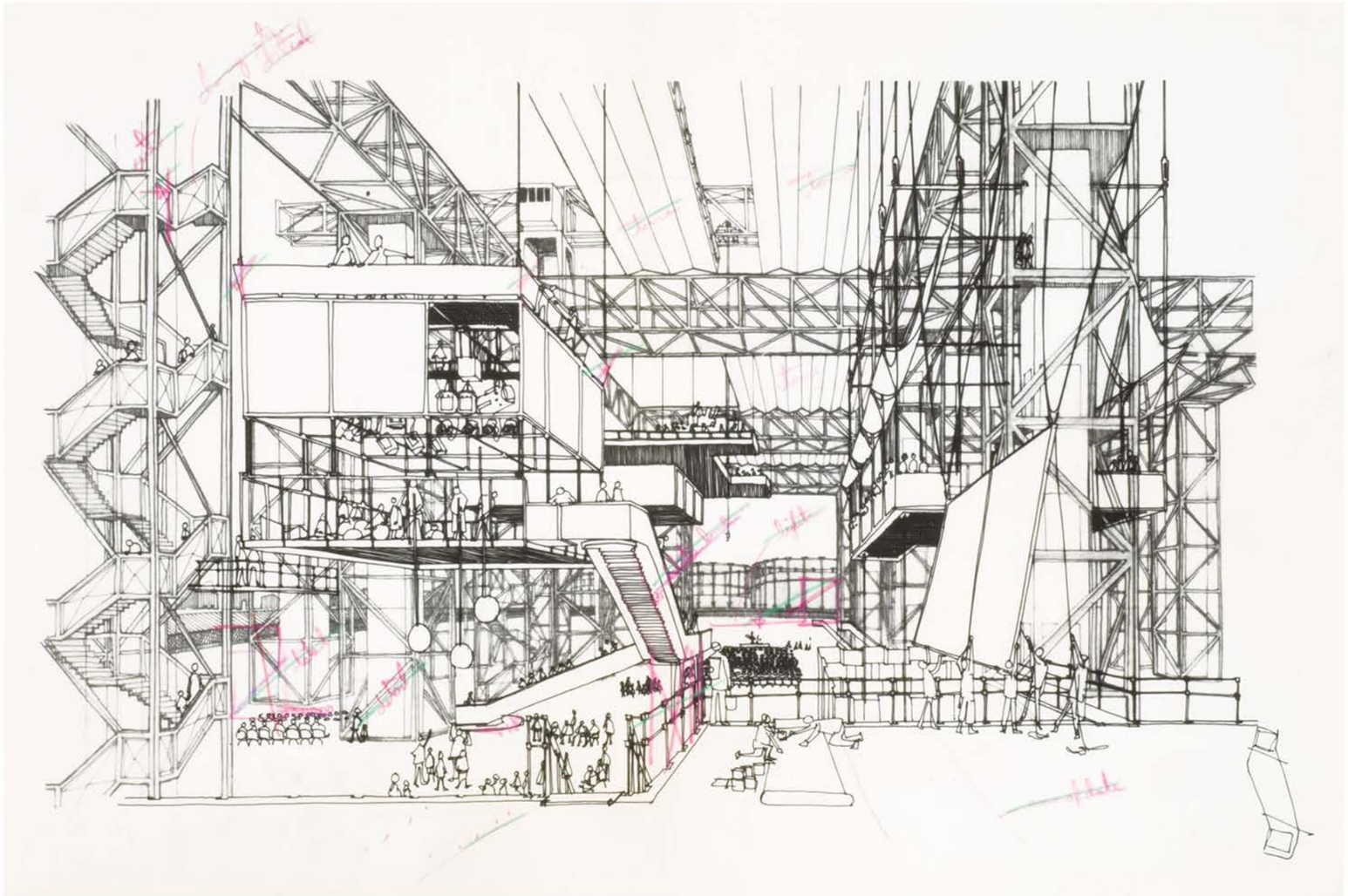
Muslim women
home
French courses
Festivals
Sewing
playground
school
home
market
Book club
Muslim kids
home
playground
school
home
mosque
swimming pool
Muslim men
home
Coffee Time
work
home
mosque
market
Italian men
home
Palermo
work
home
market
Local Belgians
home
work
La Fontanella
home
market
African Community
home
work
Gospel Church
home
market
Youth
home
streets
school
home
city center
Droixhe Park
Youth Center



APPROPRIATE - BELONG - PARTICIPATE

‘ laboratory of fun ’
‘ university of streets ’
‘ space of culture, education, art, and people ’

‘ dynamic ’
‘ ever-changing ’



Fun Palace by Cedric Price

It is a ‘socially interactive machine’
created from one open space for people to interact each other freely.

‘ facilities for leisure, education and culture ’

‘ functions as a landmark, inviting citizens ’



‘ genuine street, used on a daily basis ’



SESC Pompéia Factory by Lina Bo Bardi

The spaces are left in such a way that
they can be described as 'ugly' and 'unfinished'. This is because Bo Bardi
allows the users to rebuild the space with their own efforts.

‘ placing the desired object freely in the large volume of the building ’

DESIGN

education
cultural


La Ronde Enfantine
La Bobine
Église Saints Pierre et Paul
(La Bobine activities)
Yezidi
Community
Eglise De Dieu
"Le Reveil"
Resto du
Coeur
CPAS
Kurdish
Community
Mosquée Assabil
Playground
La Maison
Carrefour
Masjid Al-Itissam
Palermo
Coffee Time
La Fontanella
Unused Youth
Center
Le Courant
d'air
Bookclub
facilities
associations
communities


La Ronde Enfantine
La Bobine
Église Saints Pierre et Paul
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Resto du
Coeur
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Coffee Time
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Unused Youth
Center
Le Courant
d'air
Bookclub
URBAN STRATEGY MASTERPLAN
facilities
associations
communities

URBAN STRATEGY MASTERPLAN

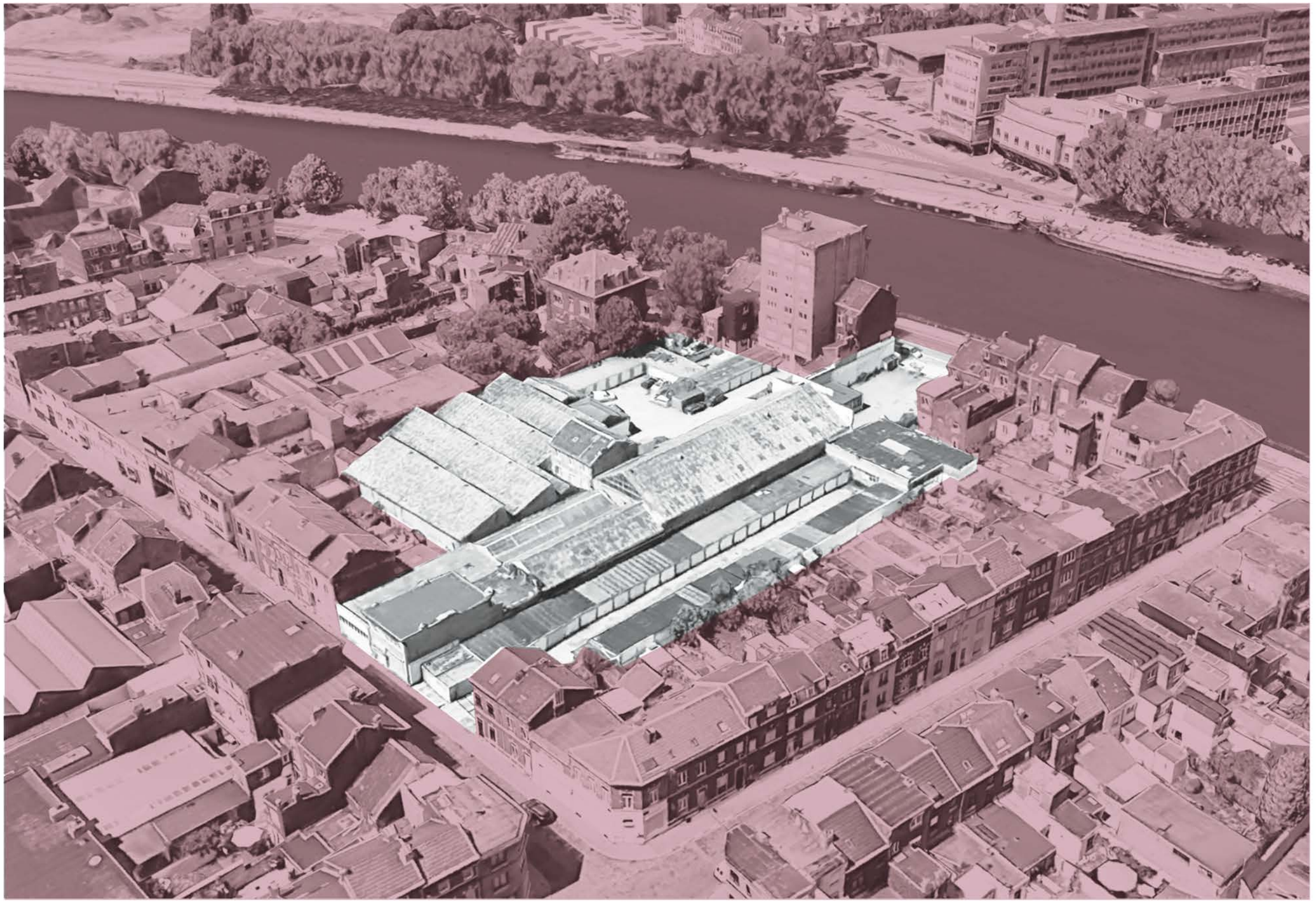


URBAN STRATEGY MASTERPLAN

URBAN STRATEGY MASTERPLAN



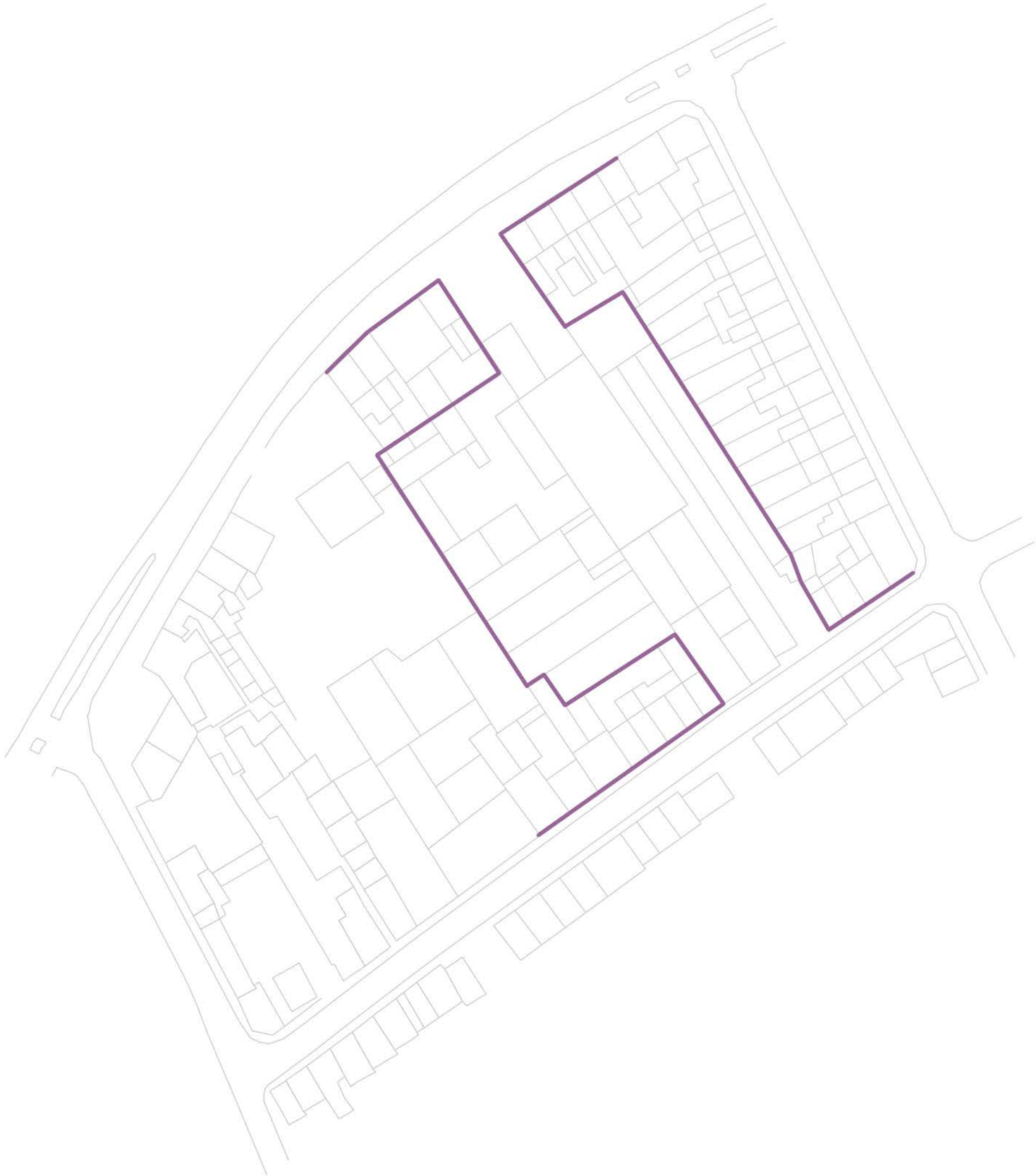
URBAN STRATEGY MASTERPLAN



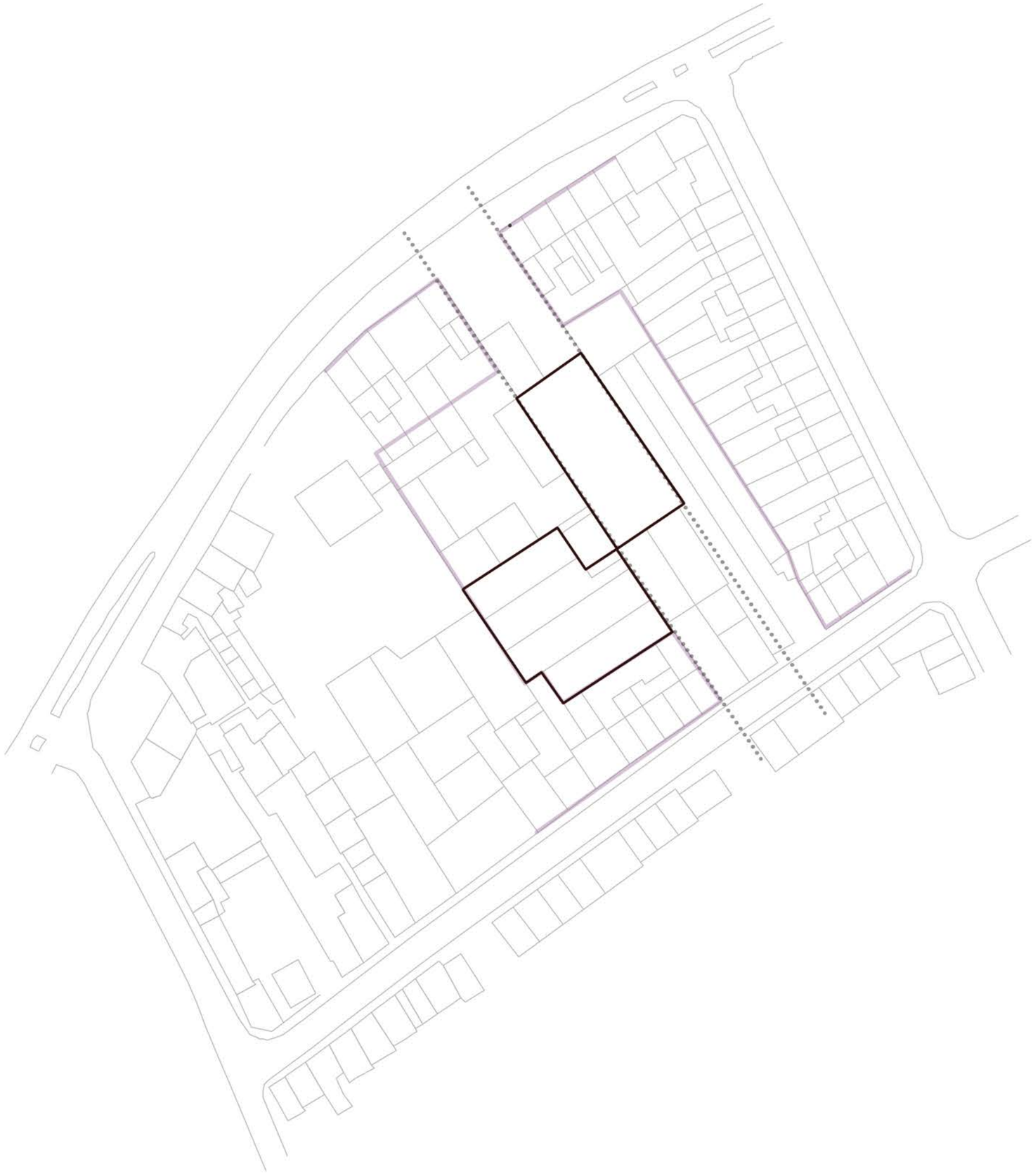
PROJECT SITE

other
storage/ruins
industrial
residential
storage for residential

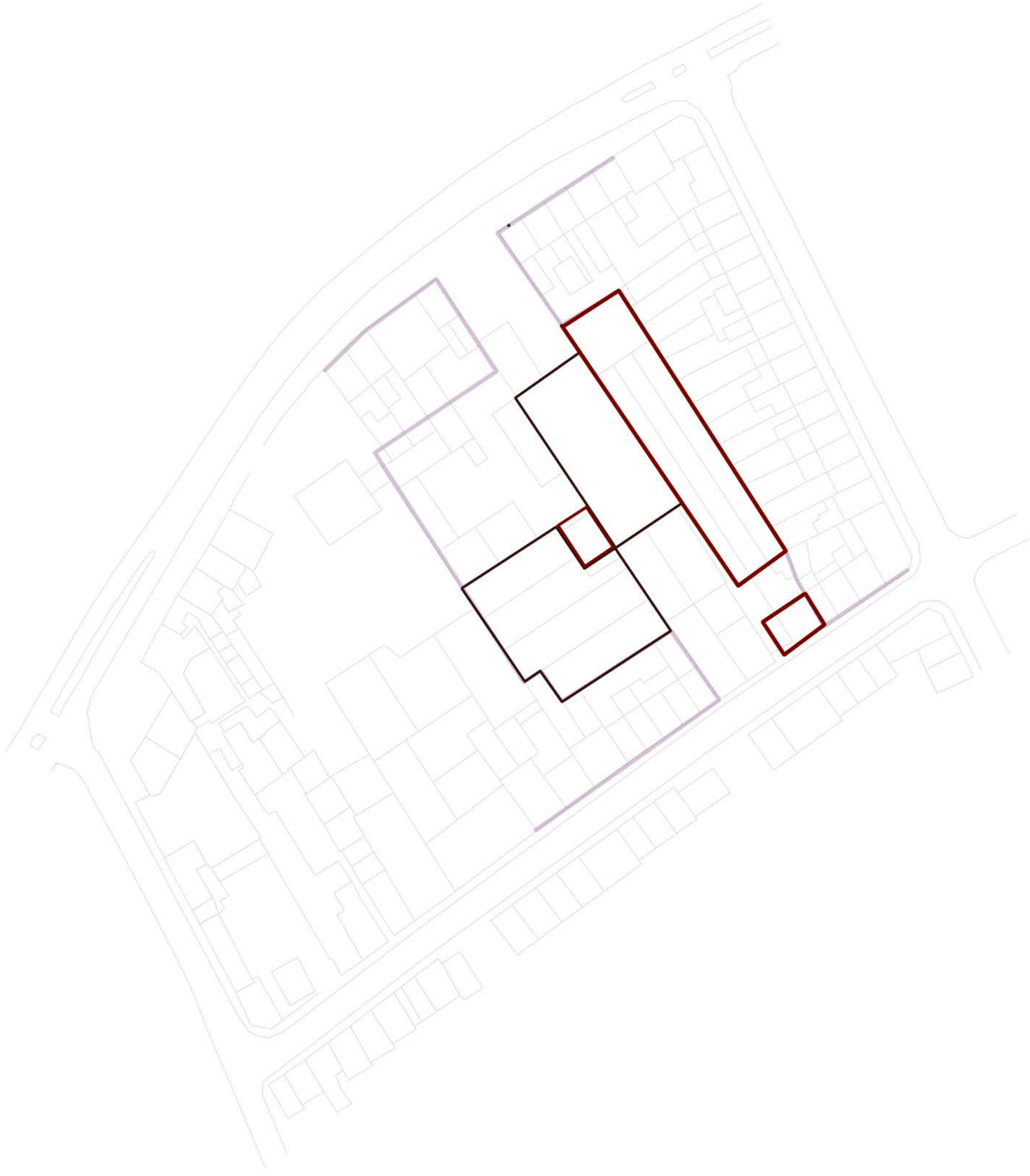
SITE ANALYSIS



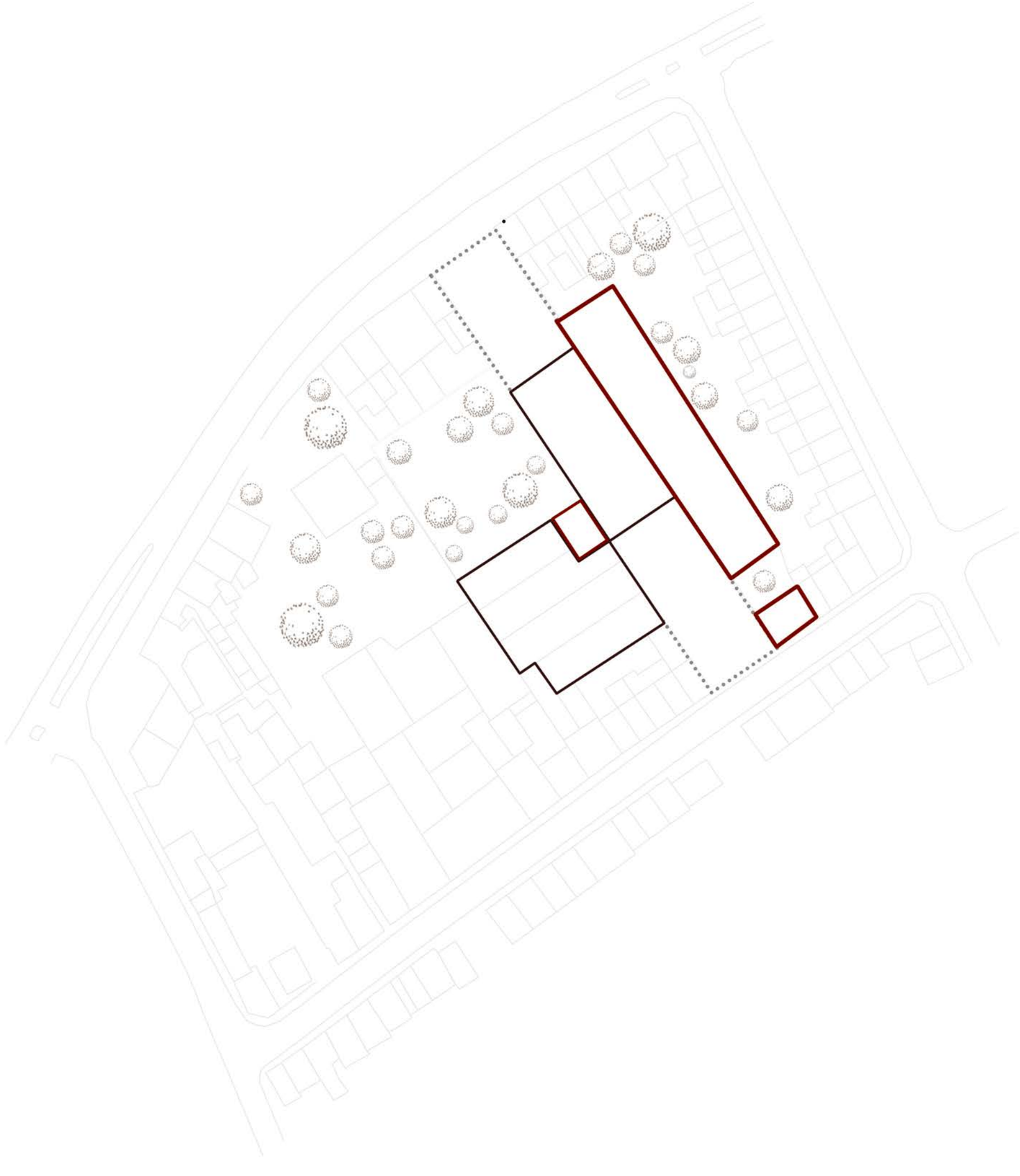
INTERVENTION
borders



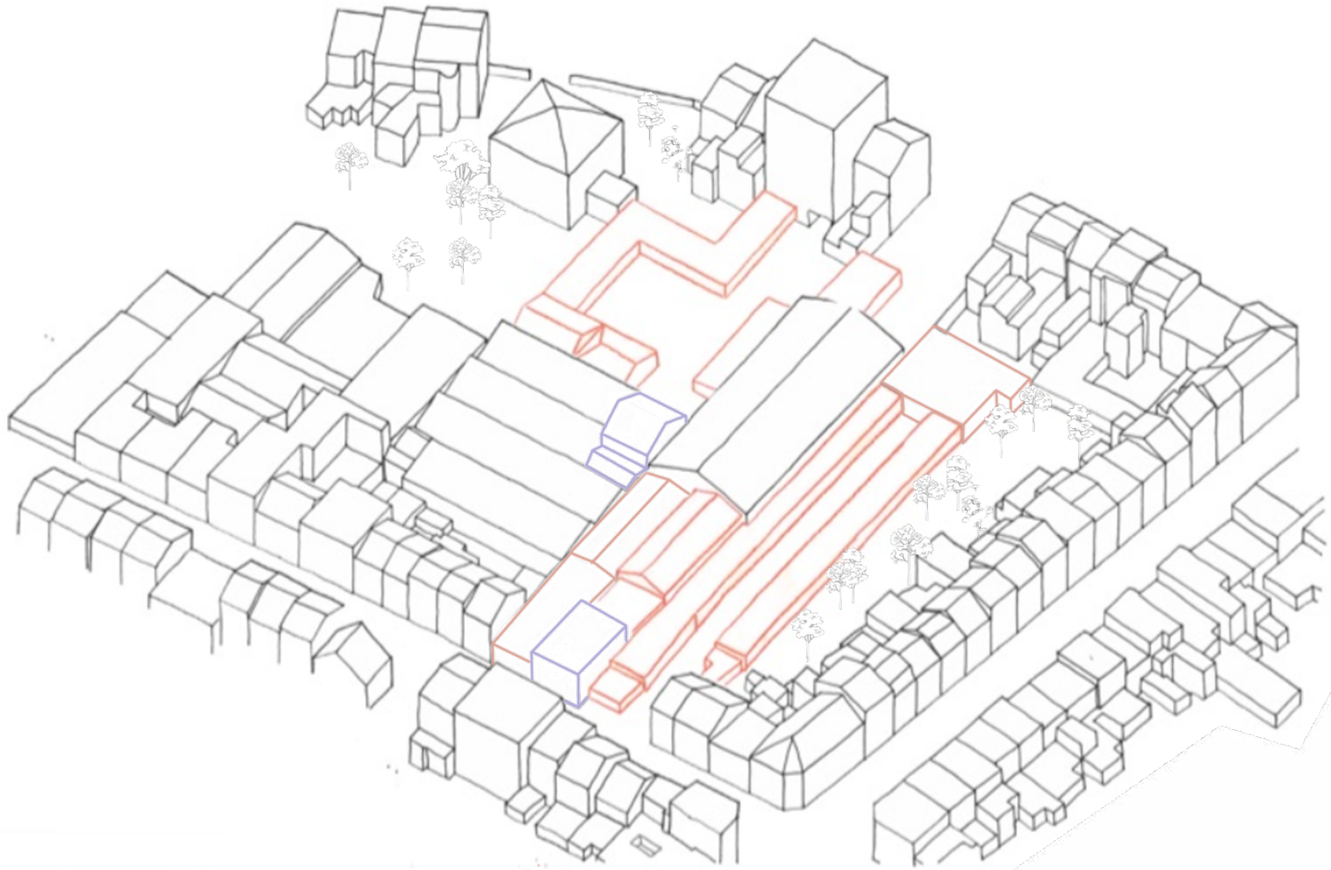
INTERVENTION
demolish / keep



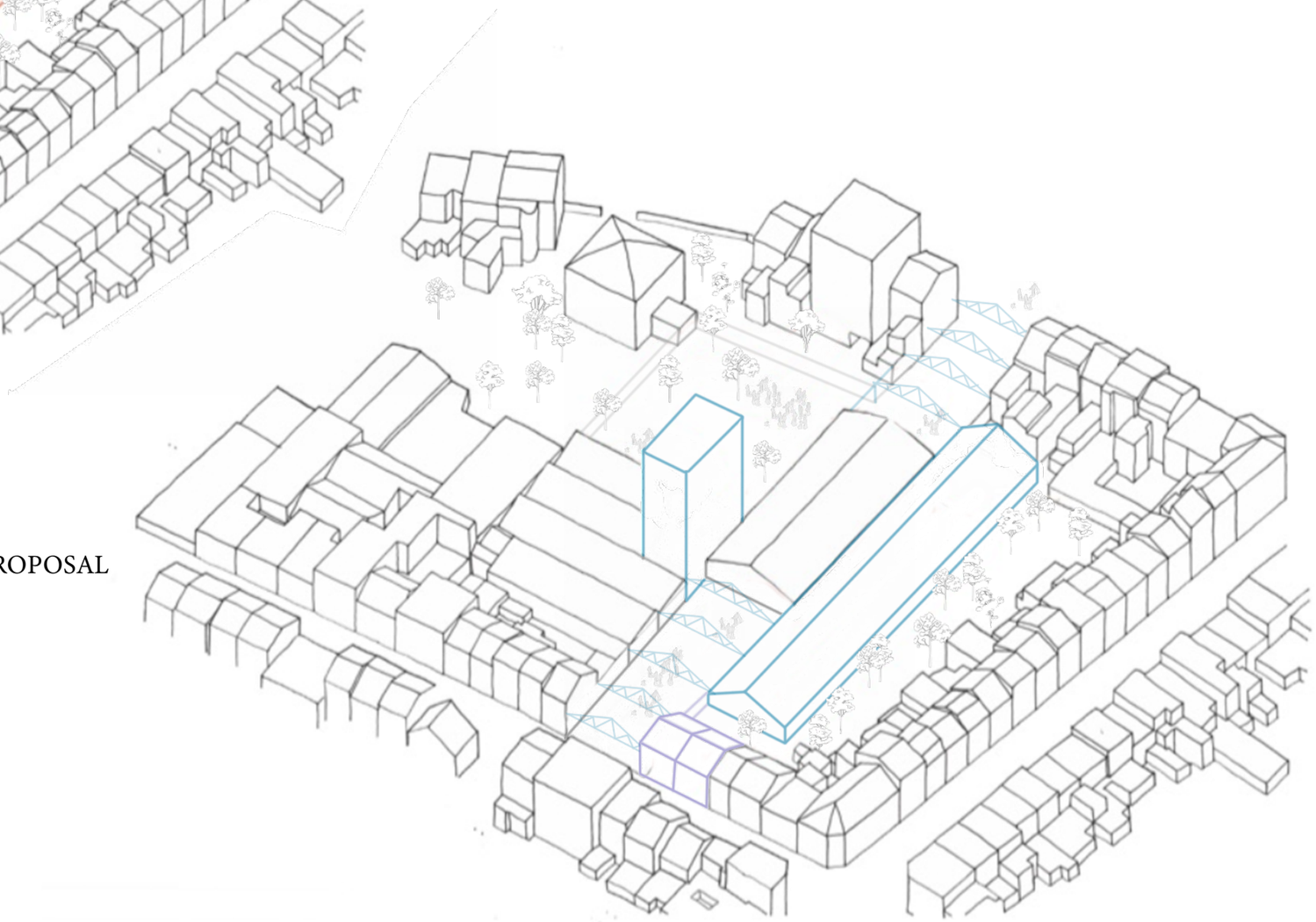
DESIGN
add



DESIGN
add

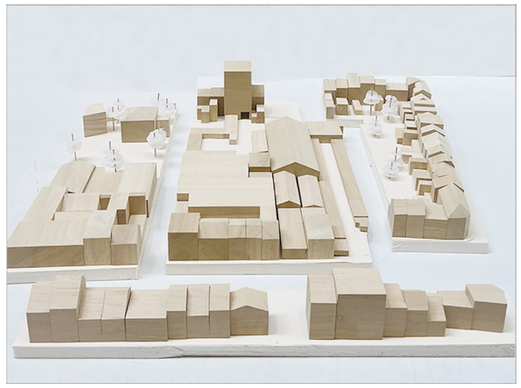


EXISTING

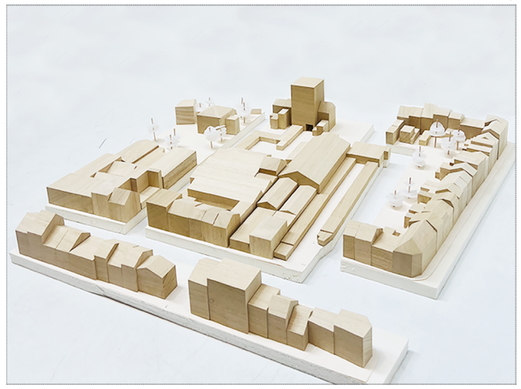


NEW PROPOSAL

Massing & Design



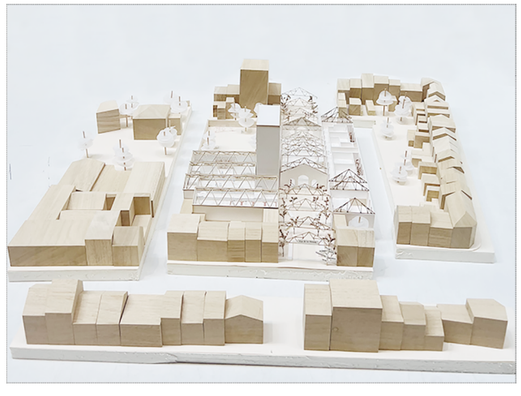
1:200 model, existing



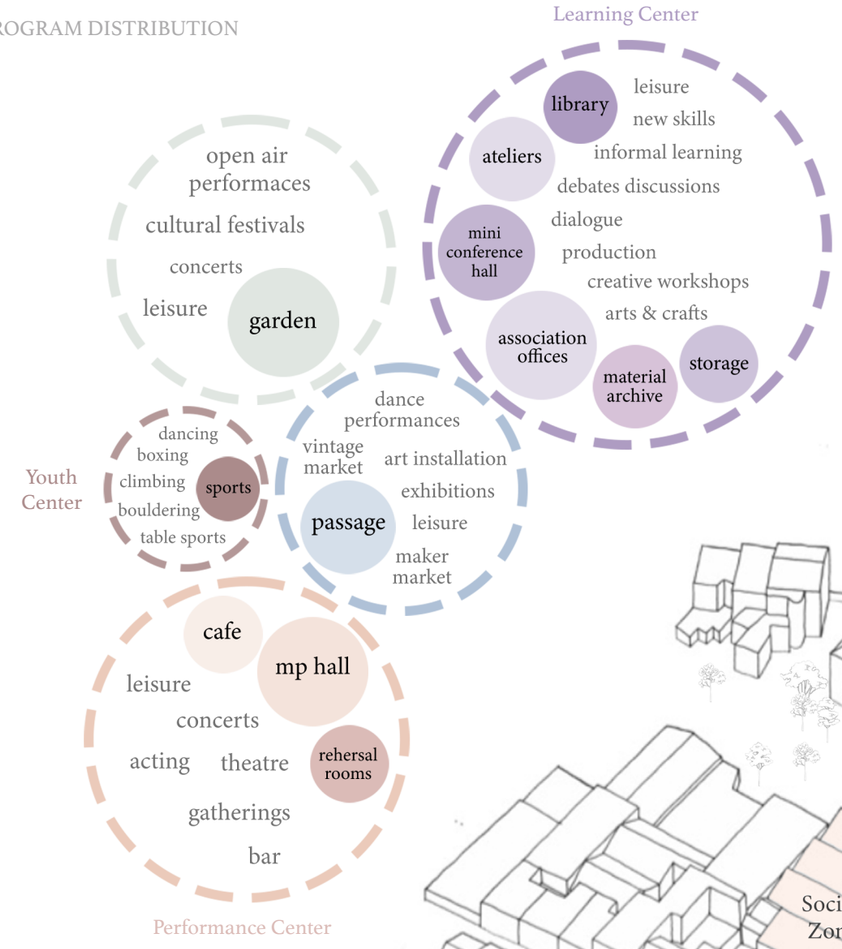
1:200 model, existing



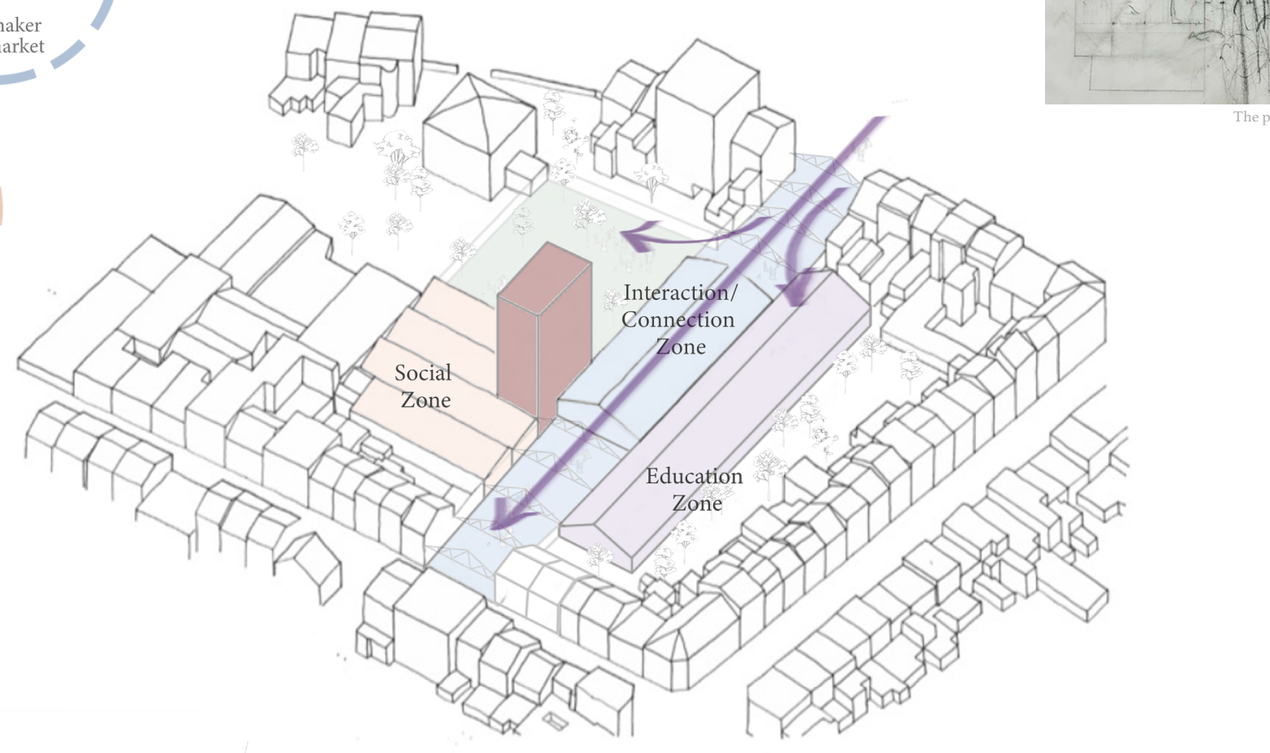
1:200 model, proposal



PROGRAM DISTRIBUTION



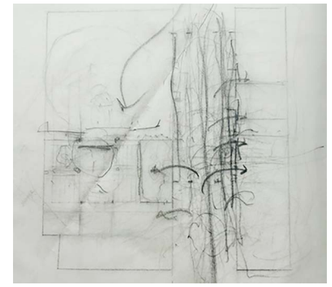
intellectual production by incorporating everyday life, embracing different cultures within the educational and leisure programs



activity flow from the performance center to the learning center



The passage is the backbone of the complex; it is not only a place for passing by or circulation but a place of spontaneous sociability for meeting and dialogue, contaminated by everyday life. There, the architecture does not aim to produce spaces but to produce events, and situations tied up with the body of users. The emptiness gives the opportunity to dress up the space per event. On the other hand, it is a public living room on a daily basis with modular couches, and big tables for sitting, reading, or working on handcrafts. The program in the passage sometimes leashes out and turns the area in front into a vibrant festive street with a flea market and food trucks on both sides.



The passage, sketch

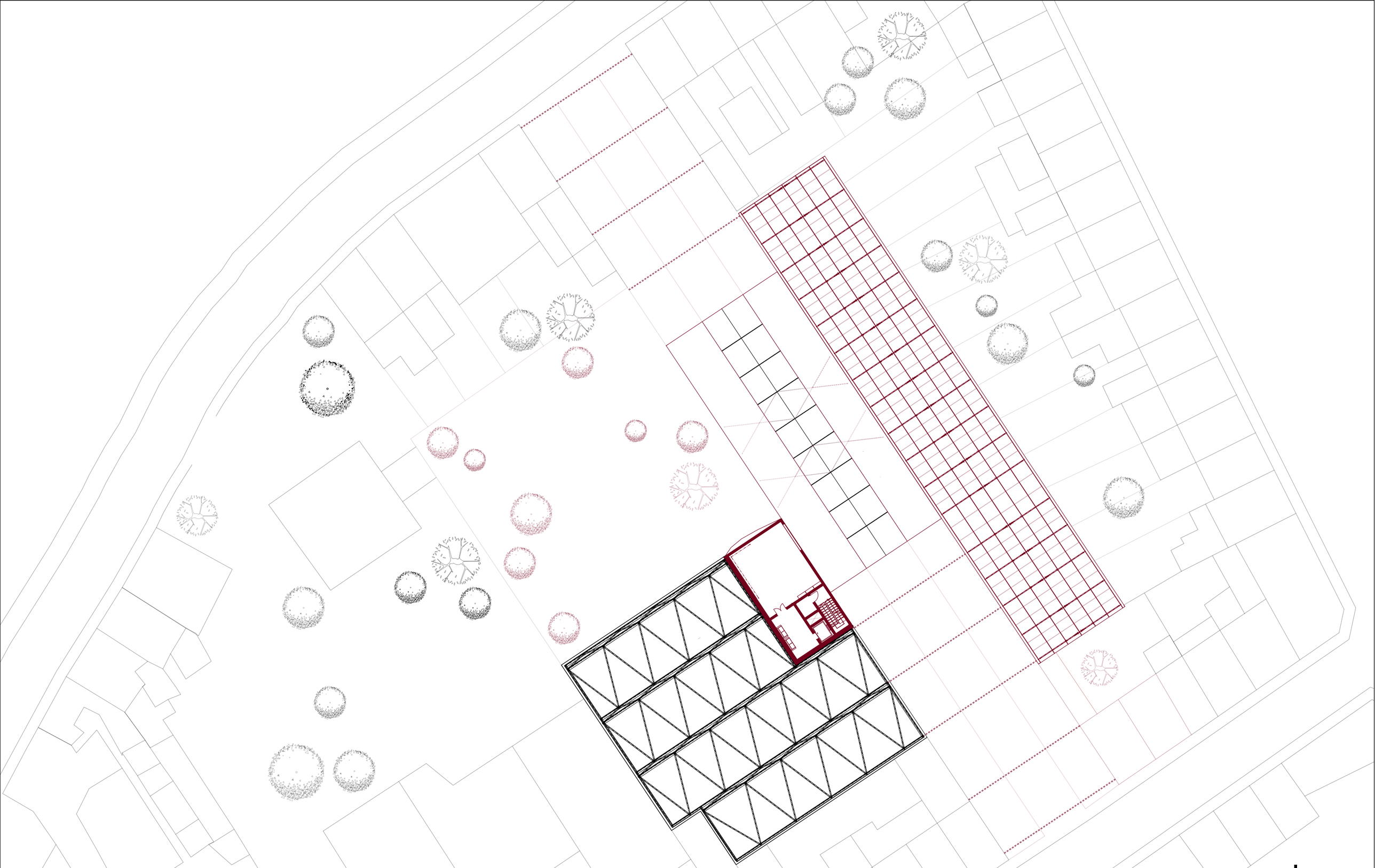


ground floor plan

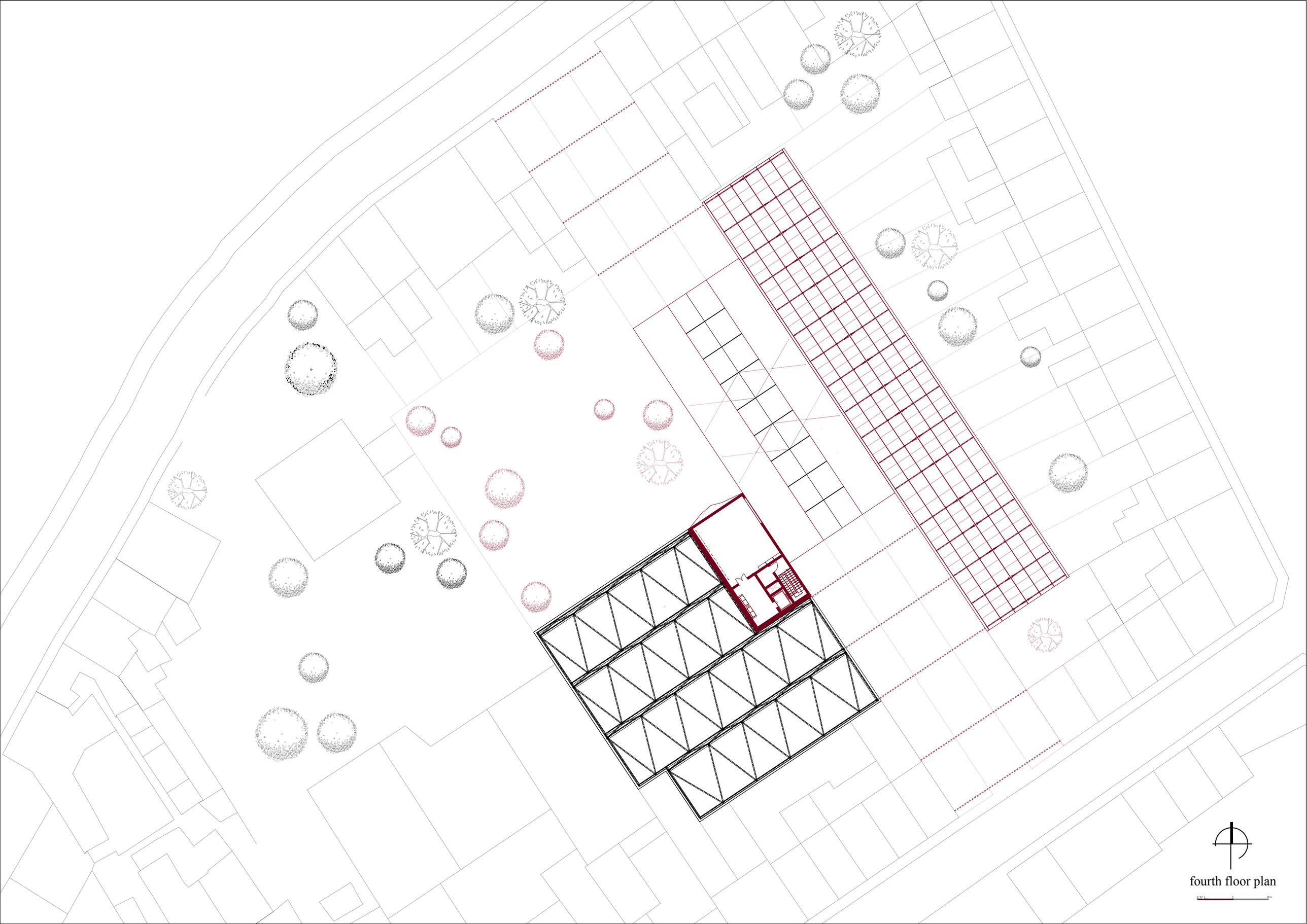


first floor plan

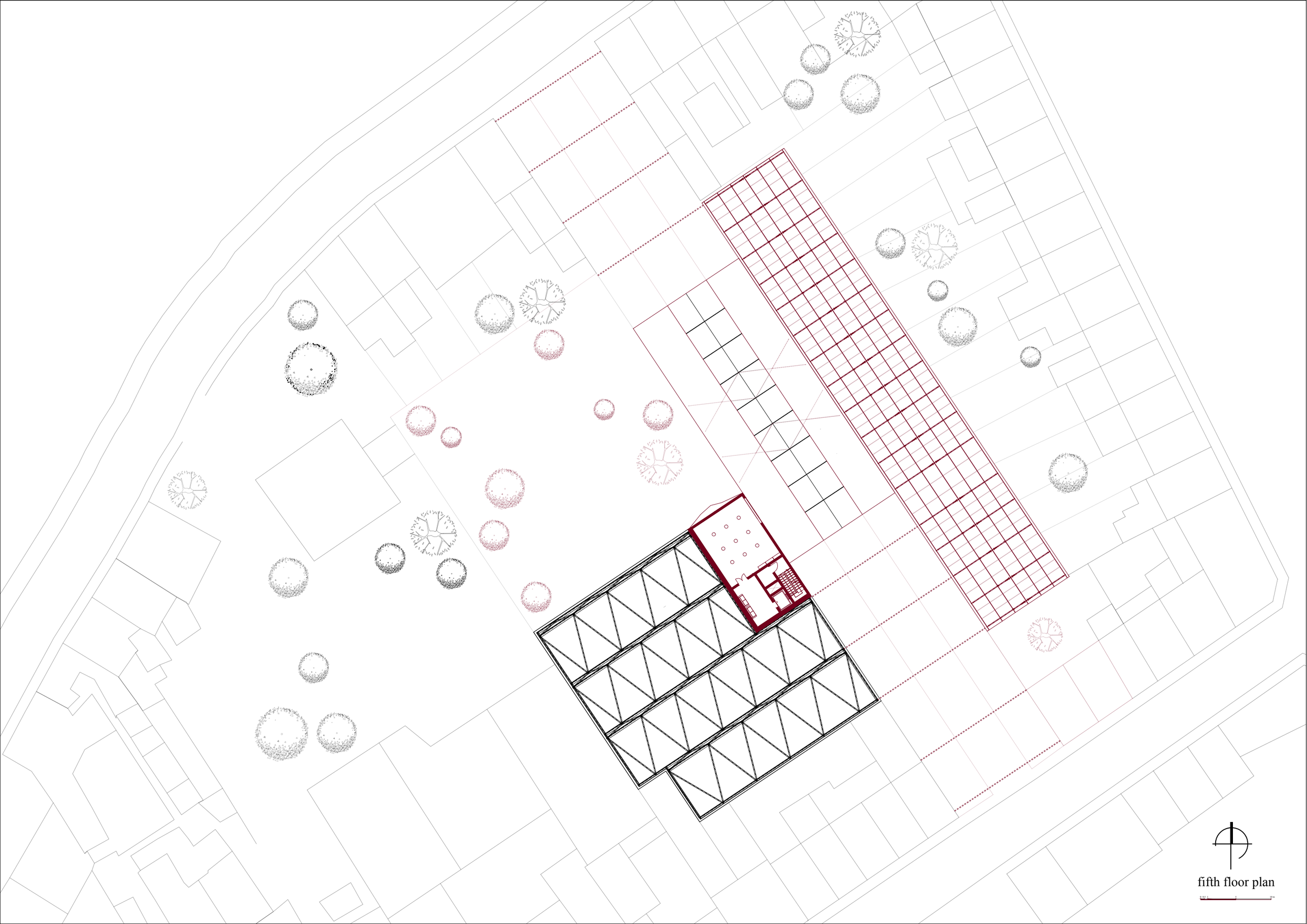
second floor plan



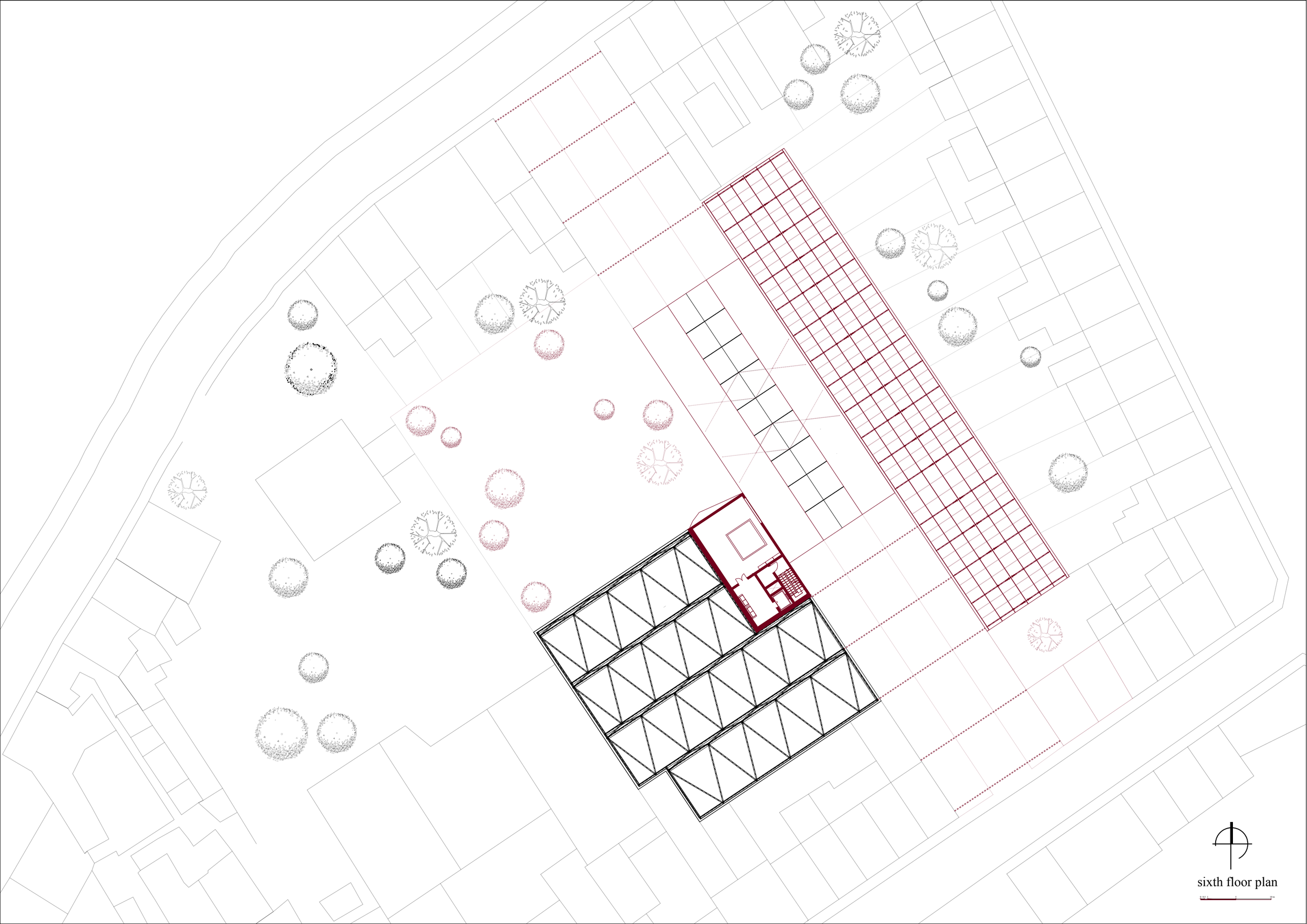
third floor plan



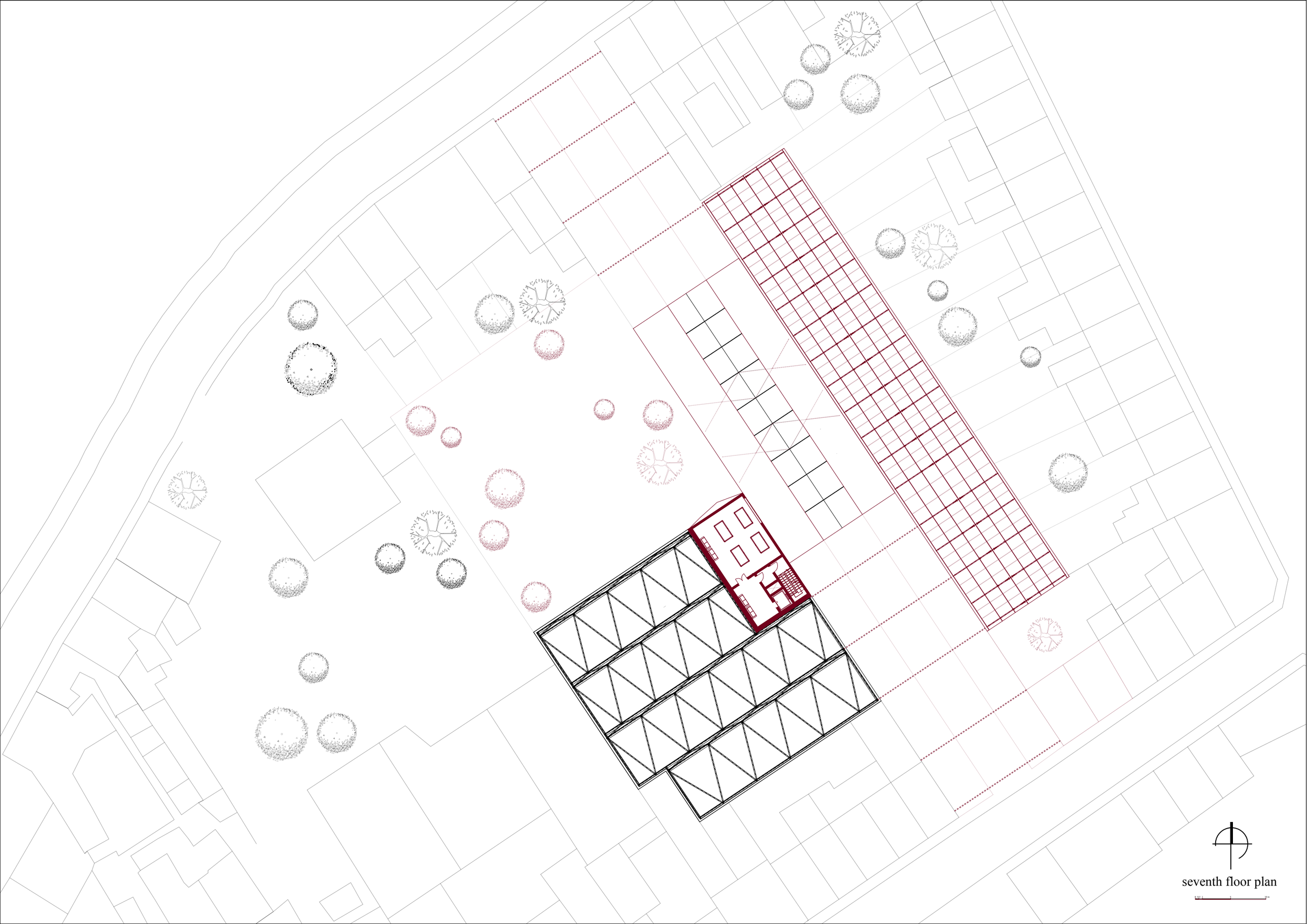
fourth floor plan



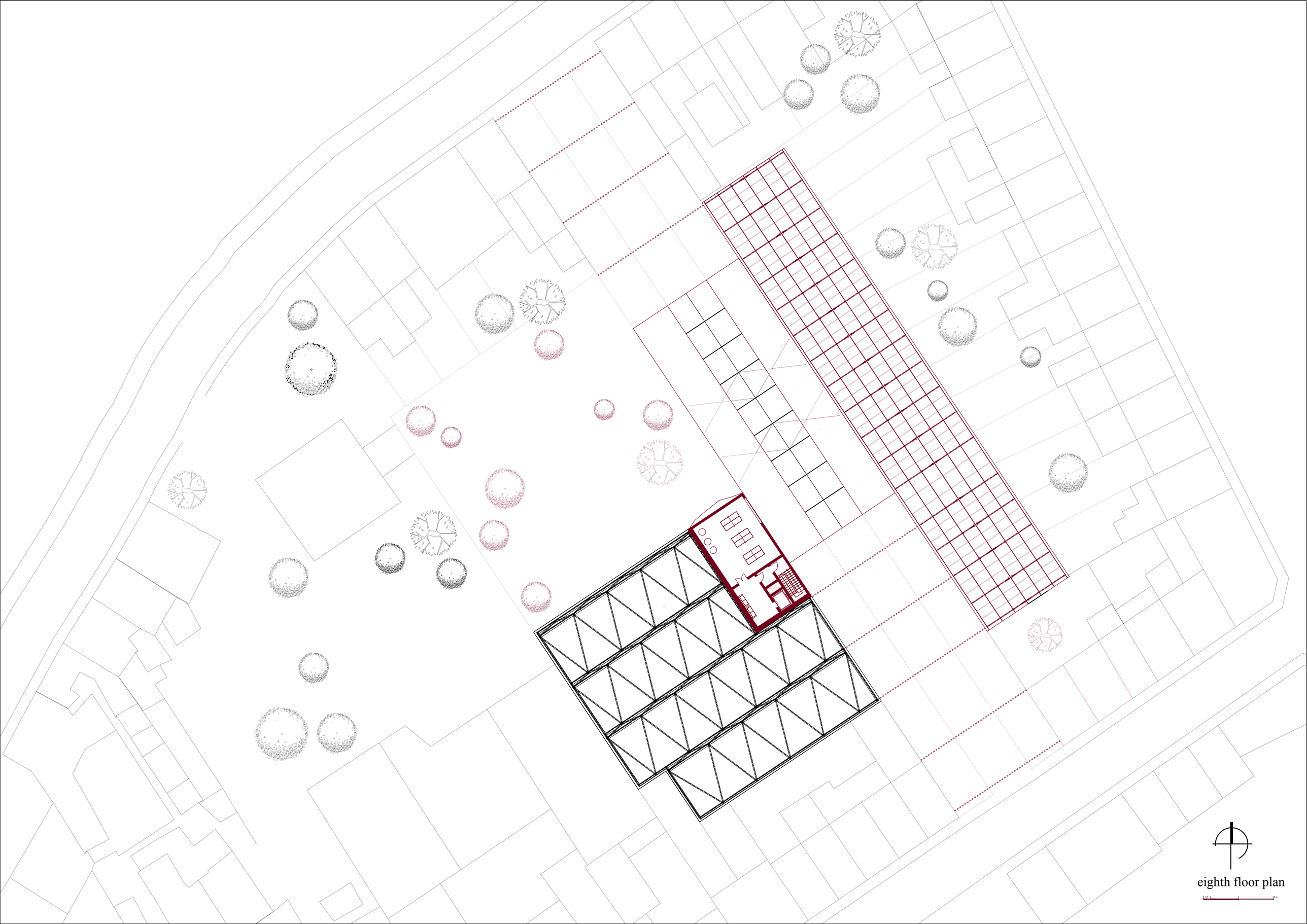
fifth floor plan



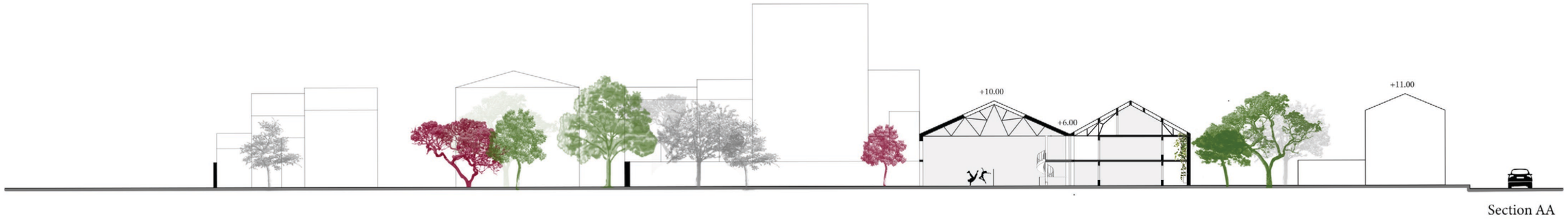
sixth floor plan



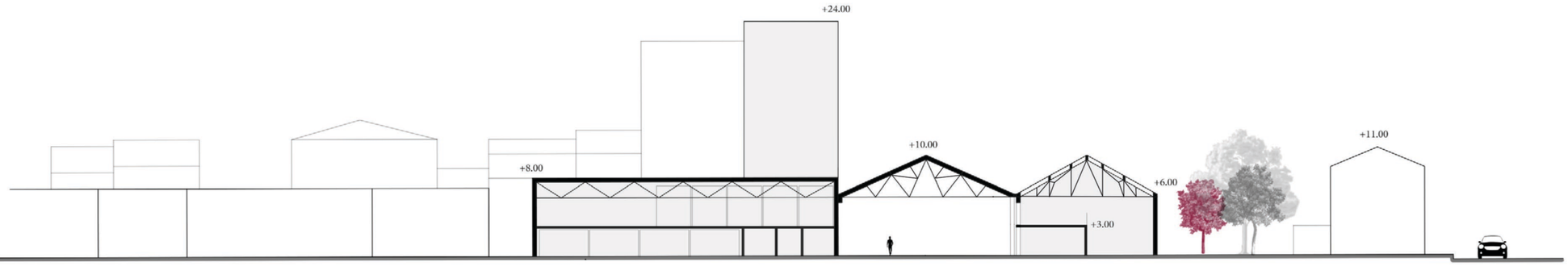
seventh floor plan



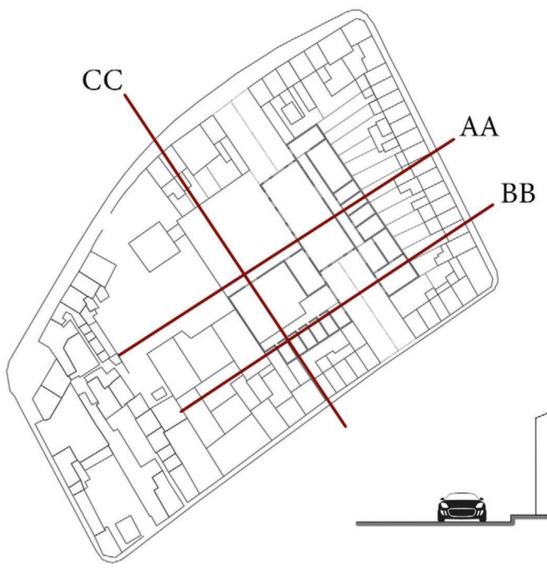
eighth floor plan



Section AA



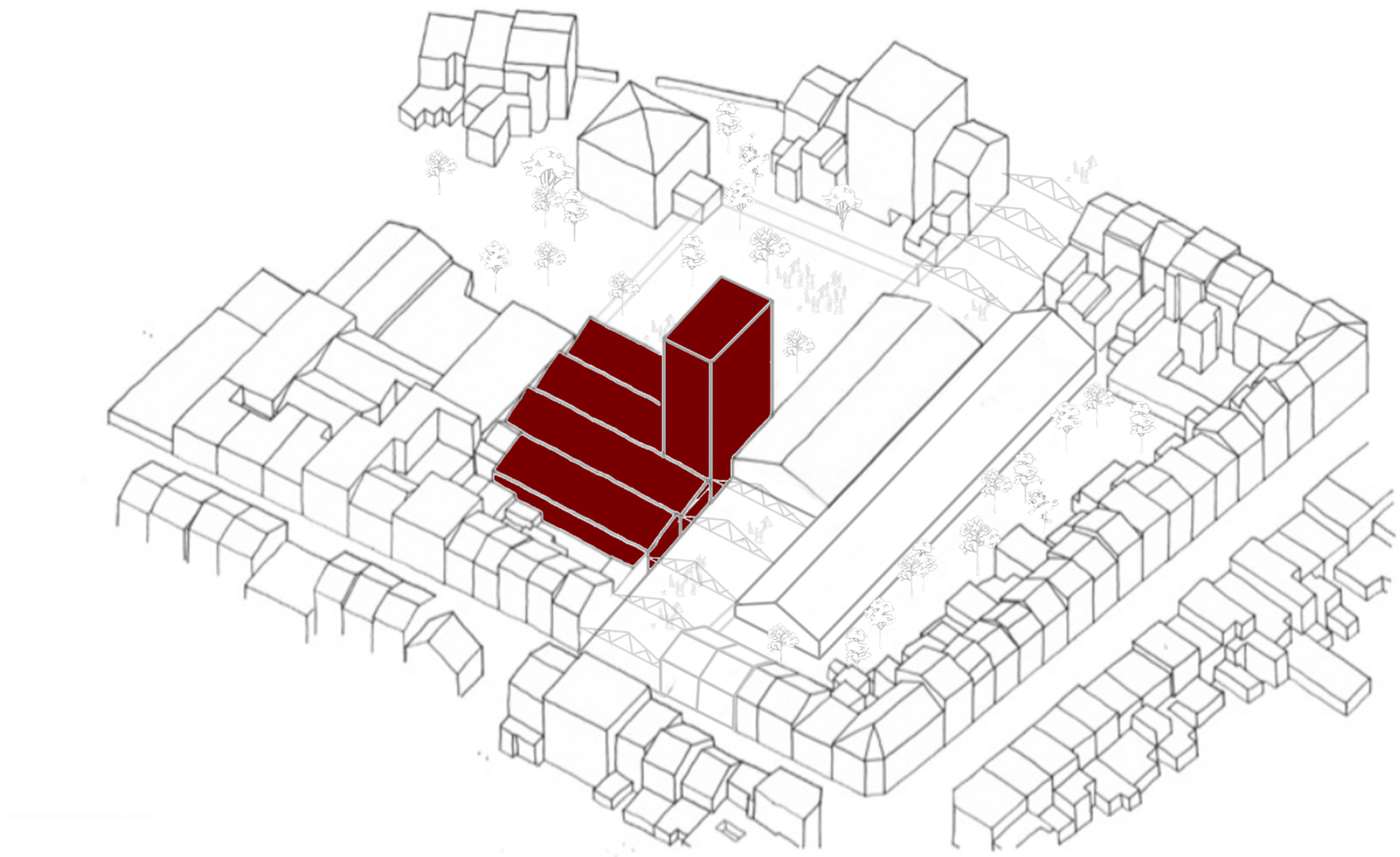
Section BB





Section CC

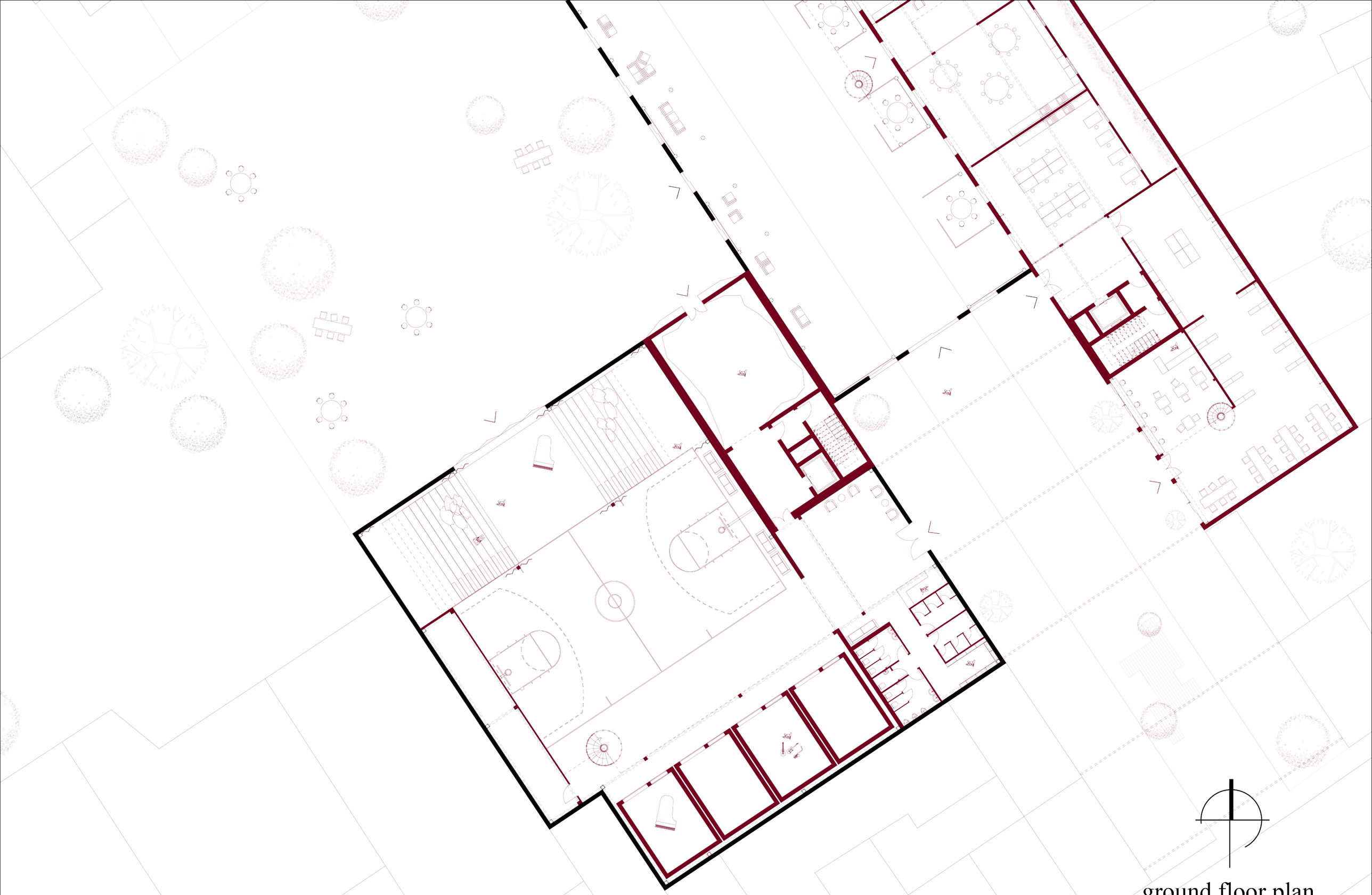
1:500 urban sections





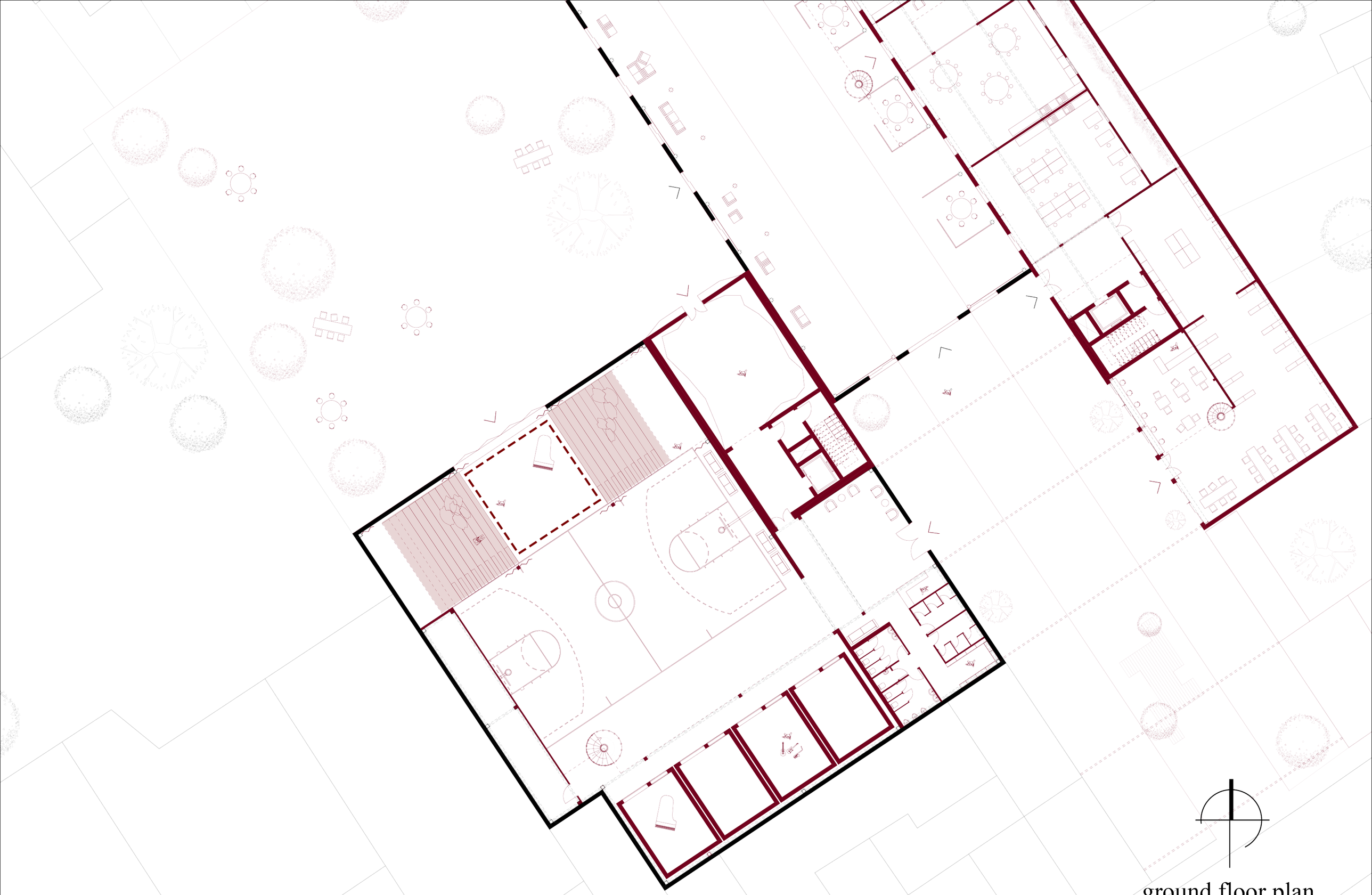



Appropriations in Bressoux in different scales respectively:
*the **body**, temporary **borders**, **shell** concept (building scale), the **object***



ground floor plan

0 0.5 1 5 10 m



ground floor plan

0 0.5 1 5 10 m



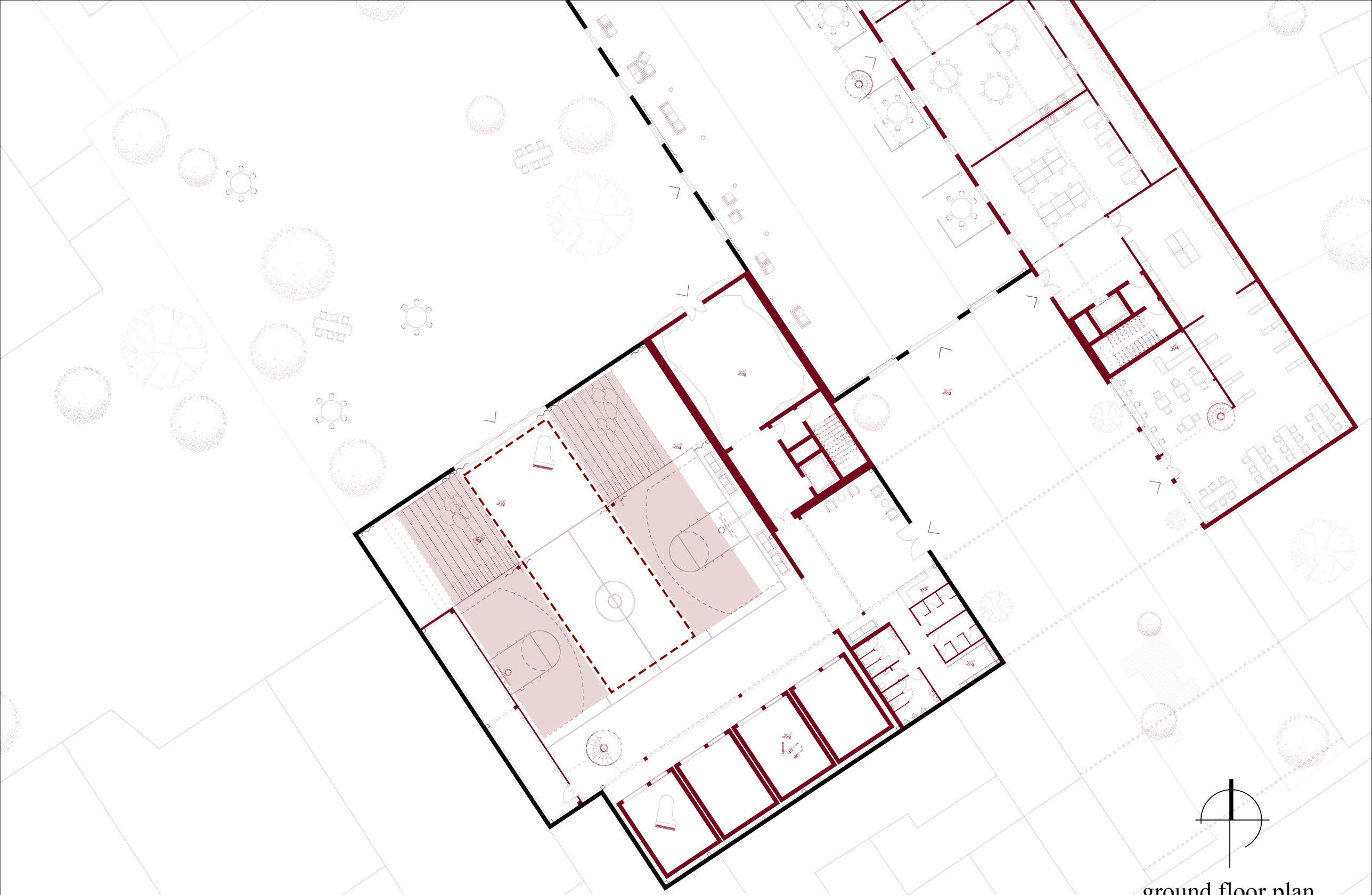
ground floor plan

0 0.5 1 5 10 m



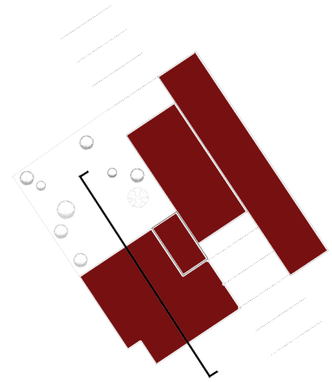
ground floor plan

0 0.5 1 5 10 m



ground floor plan

0 0.5 1 5 10 m



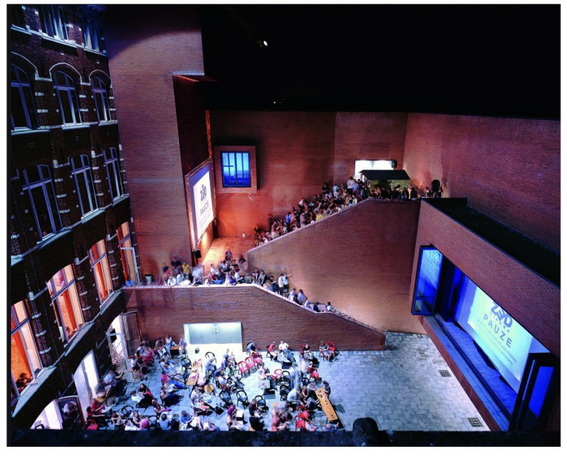


1:100 section







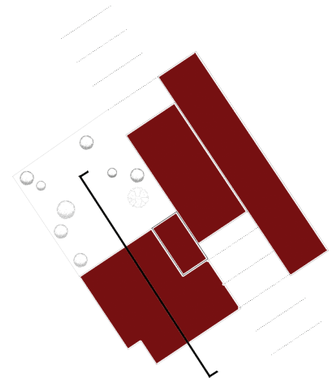


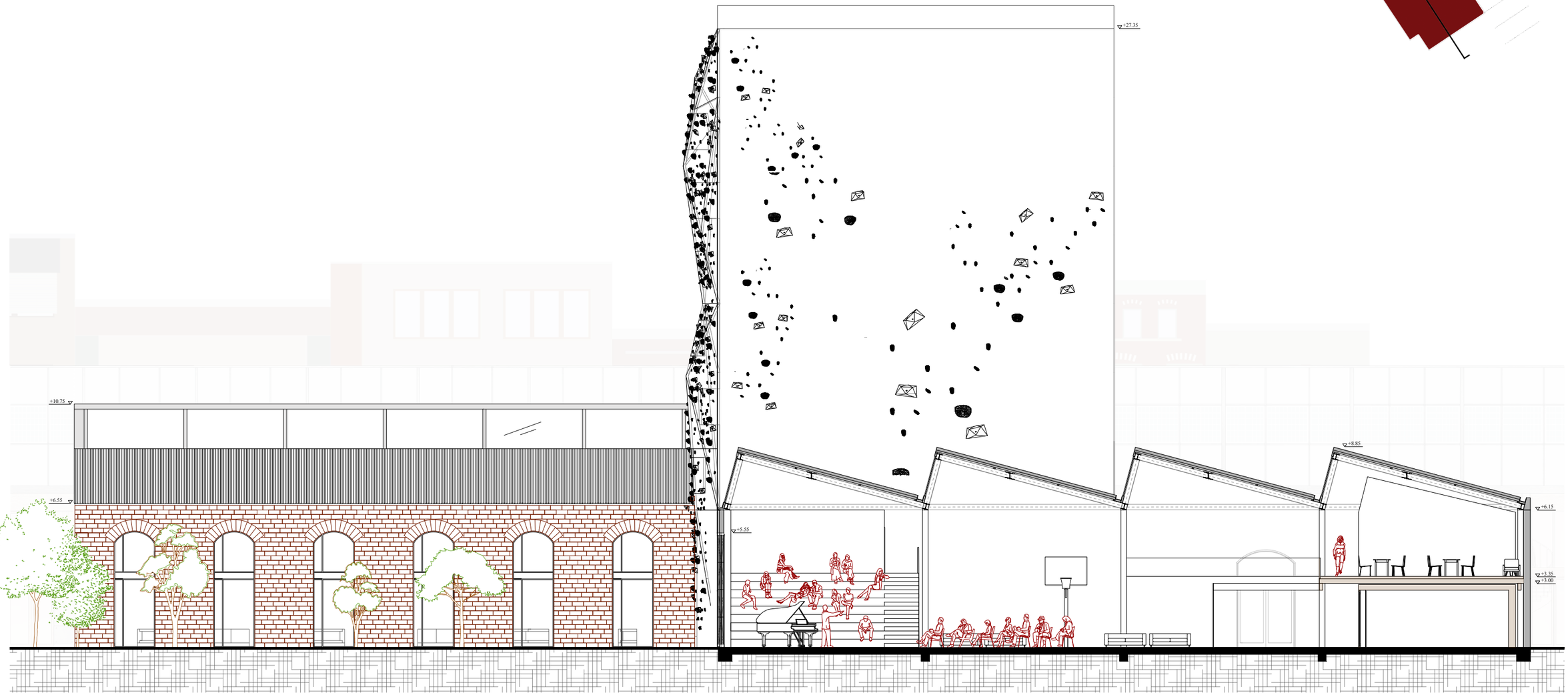

Mini concerts chantés
De petits spectacles pour les tout-petits, leurs familles et leurs amis!
Avec Zoé Pireaux et Marie Billy
Mercredi 22 juin
à la Maison de l'étang dans le parc de Droixhe
(rue Ernest Marneffe, 4020, Droixhe)
Plus
14h30
du











1:100 section

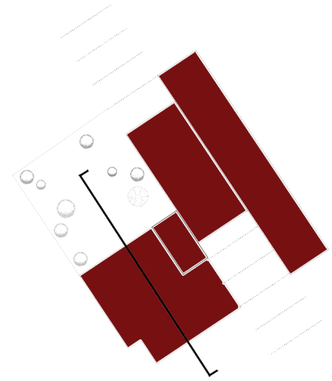

Ahmed Emin Batman architect

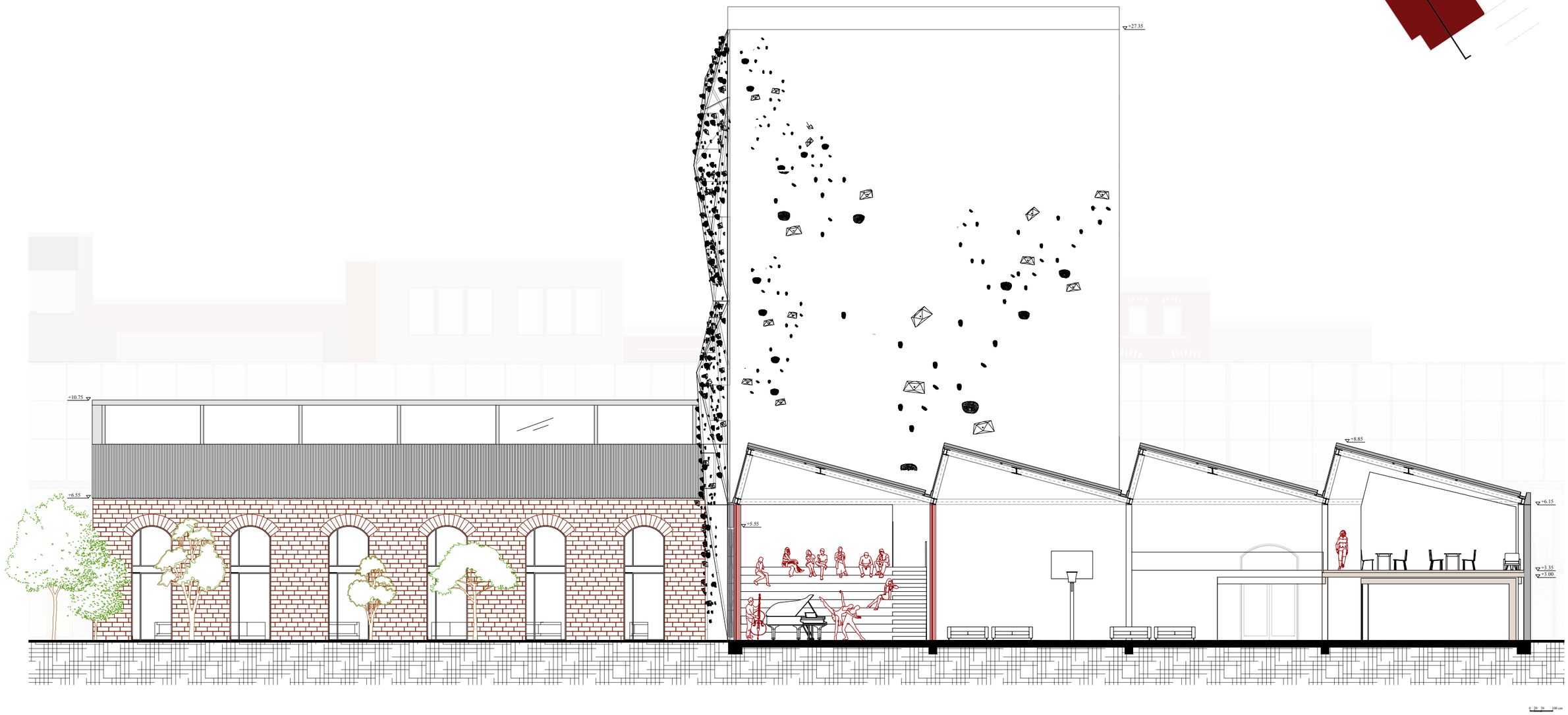

.AHMED
EMIN
BATMAN
het scheepvaart
national maritime
museum



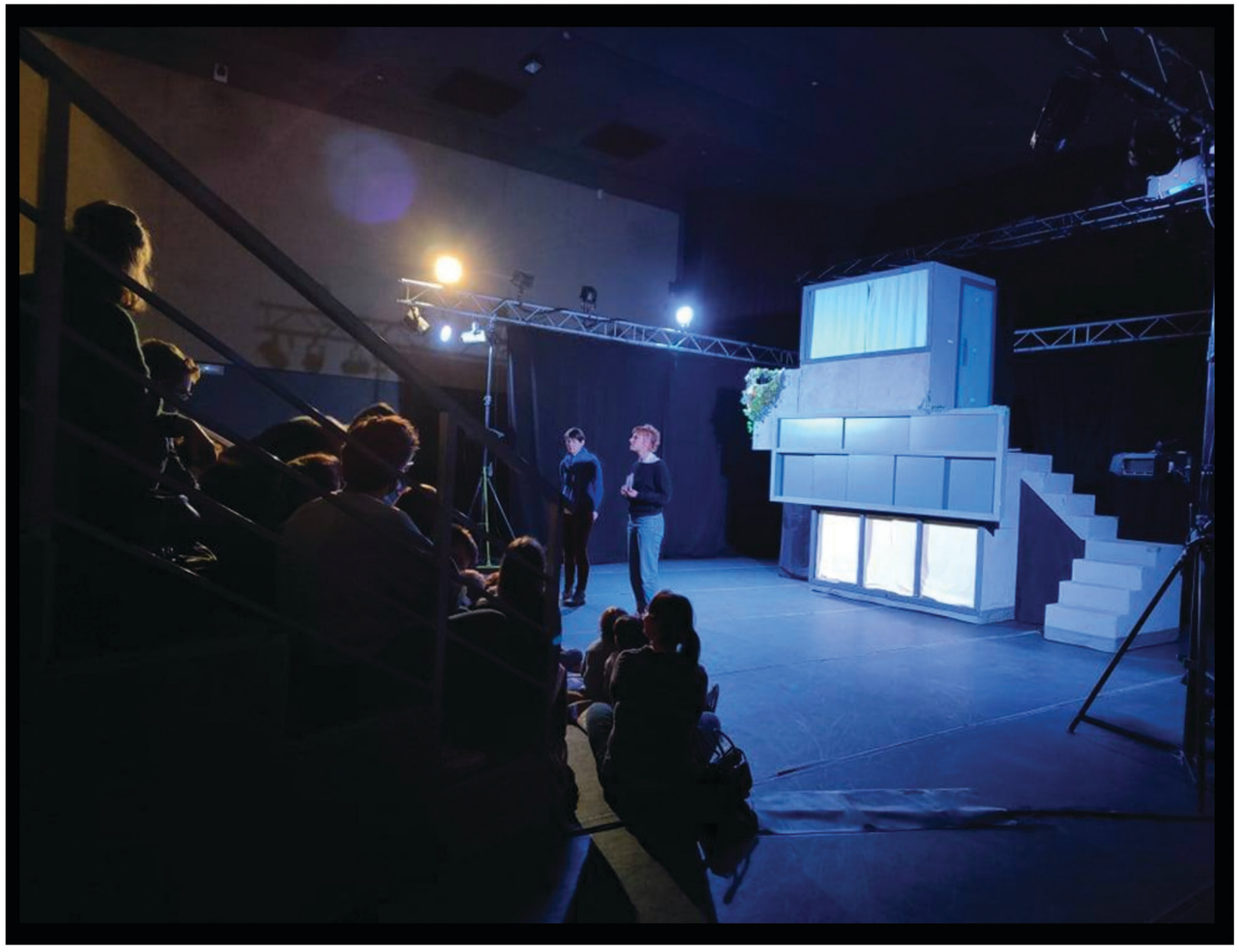

SEVVAL KAYHAN





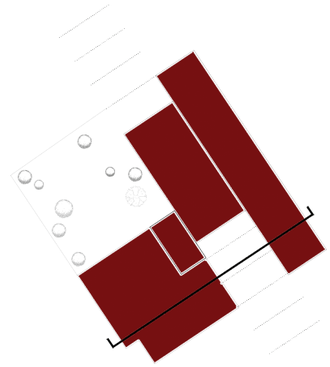


1:100 section





Recording Room

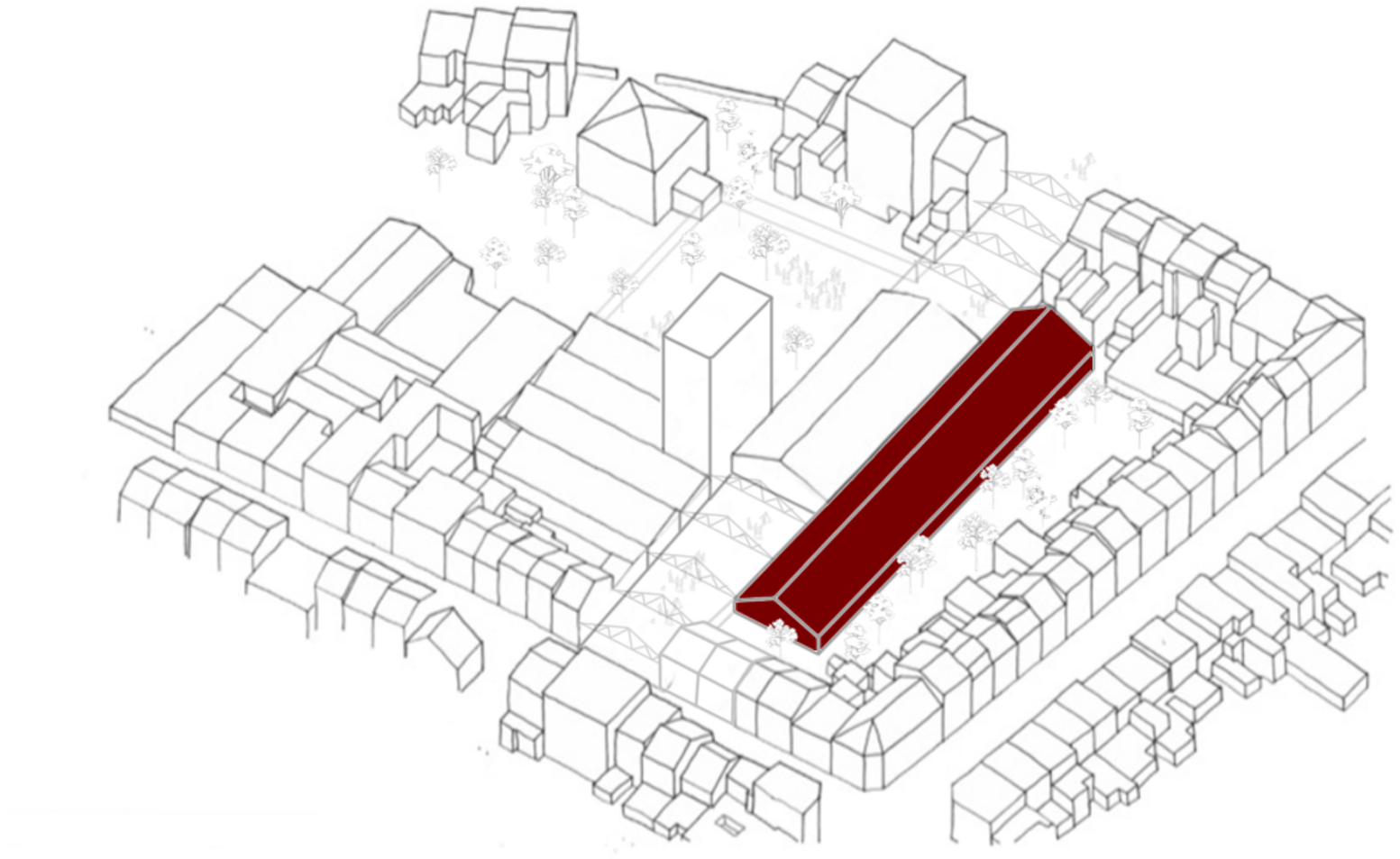




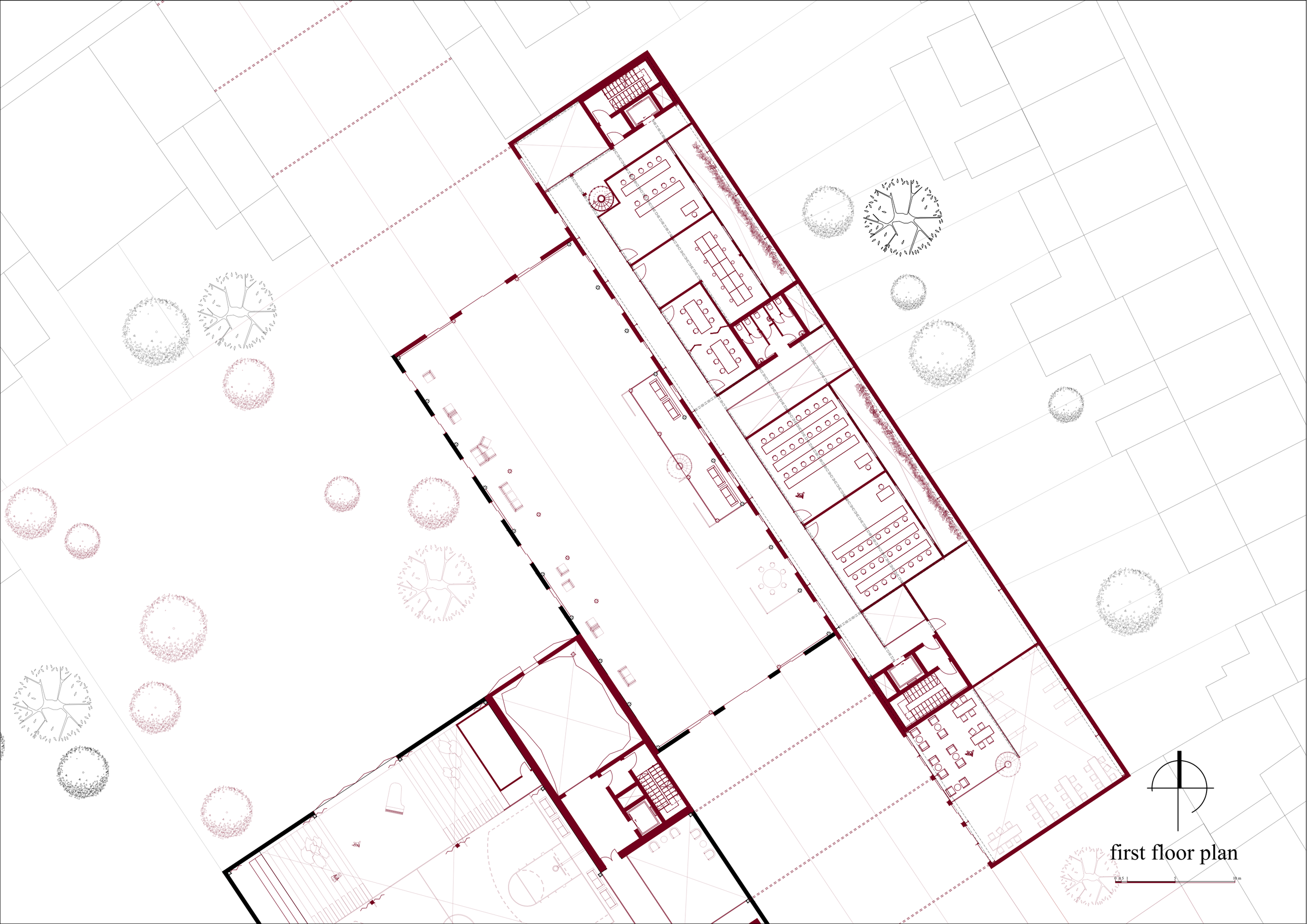
1:100 section



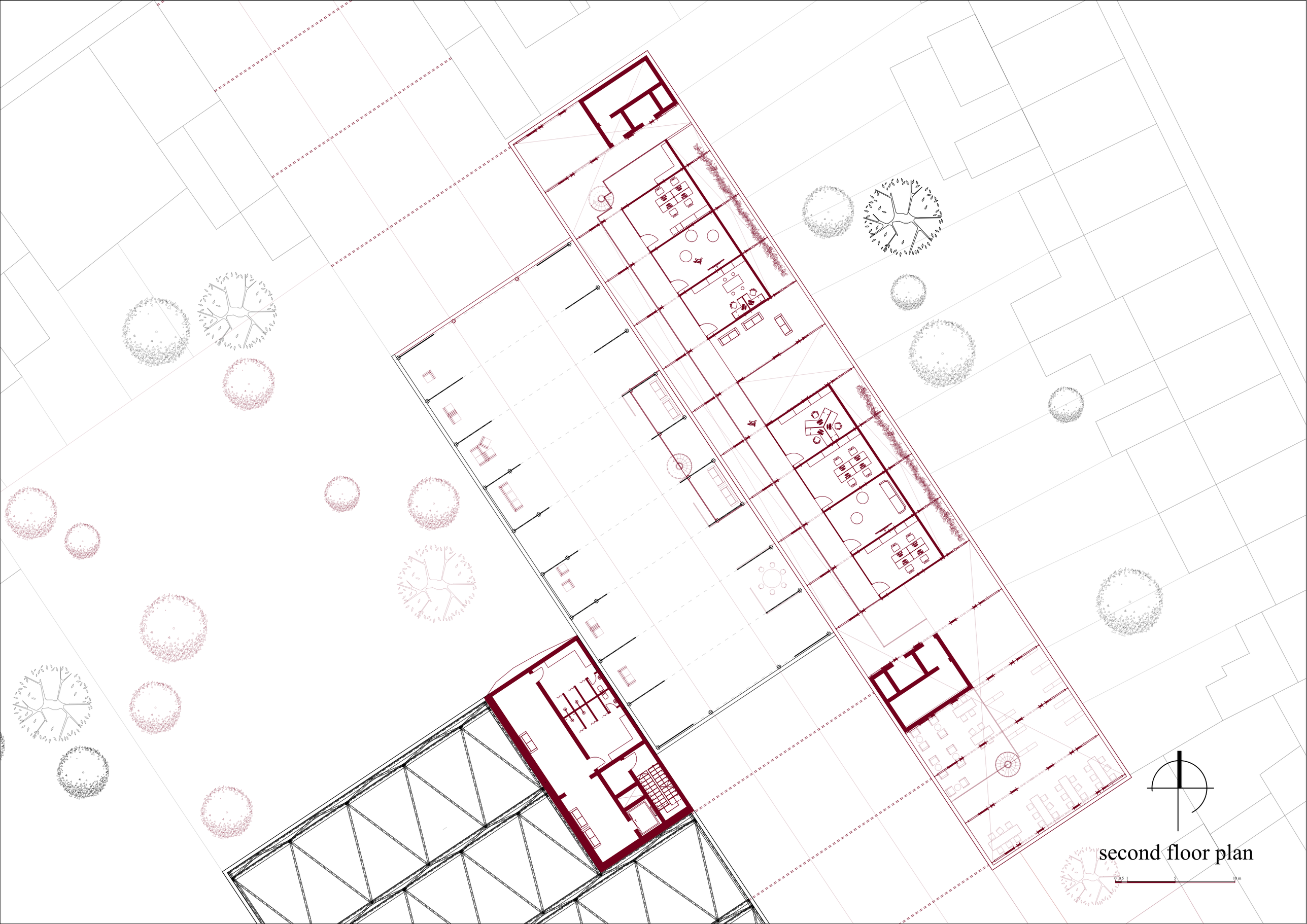
Multipurpose Hall- Indeterminacy



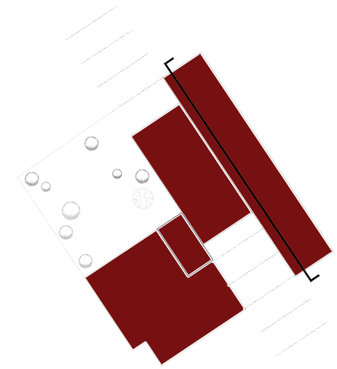

ground floor plan
0 0.5 1 5 10 m

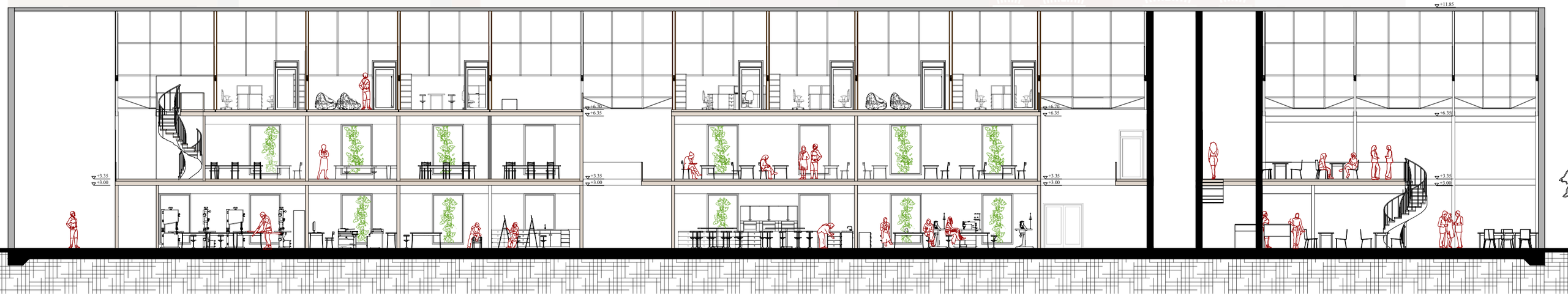


first floor plan

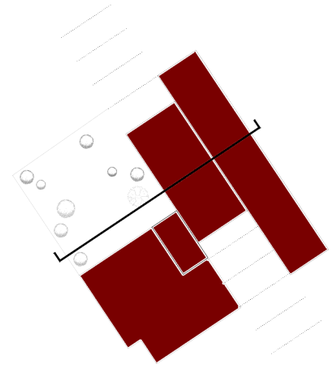


second floor plan





1:100 section

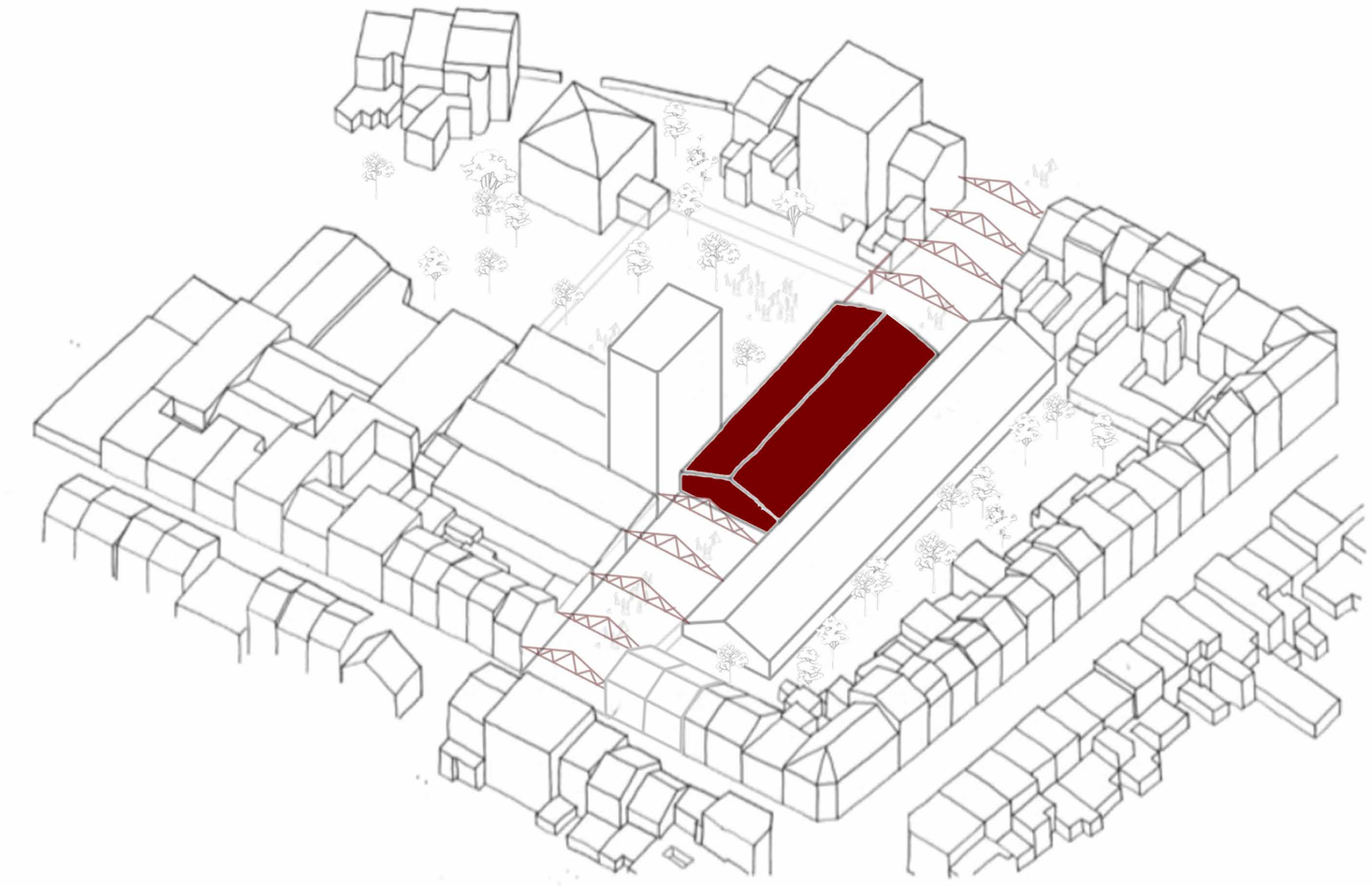


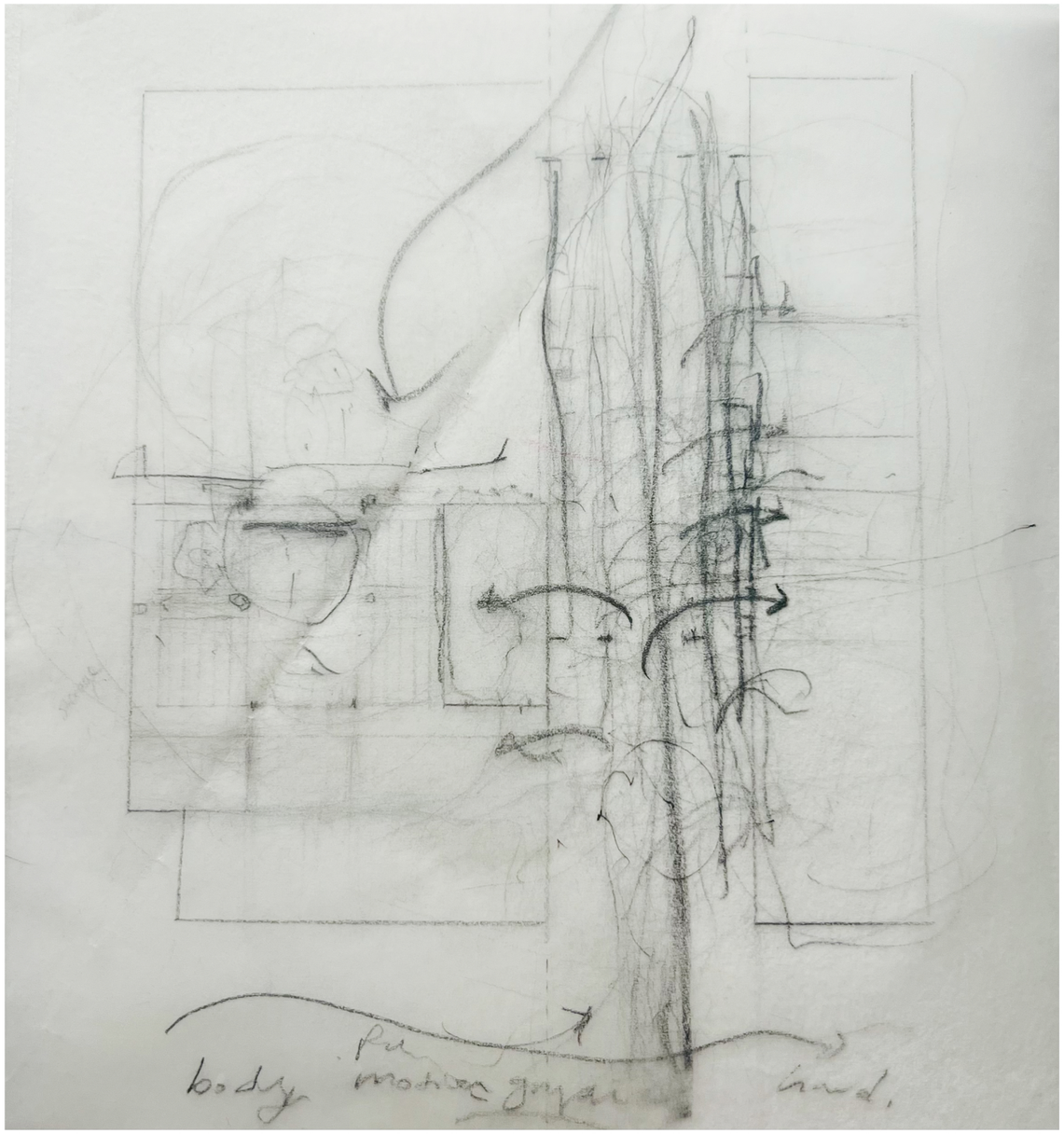


1:100 section

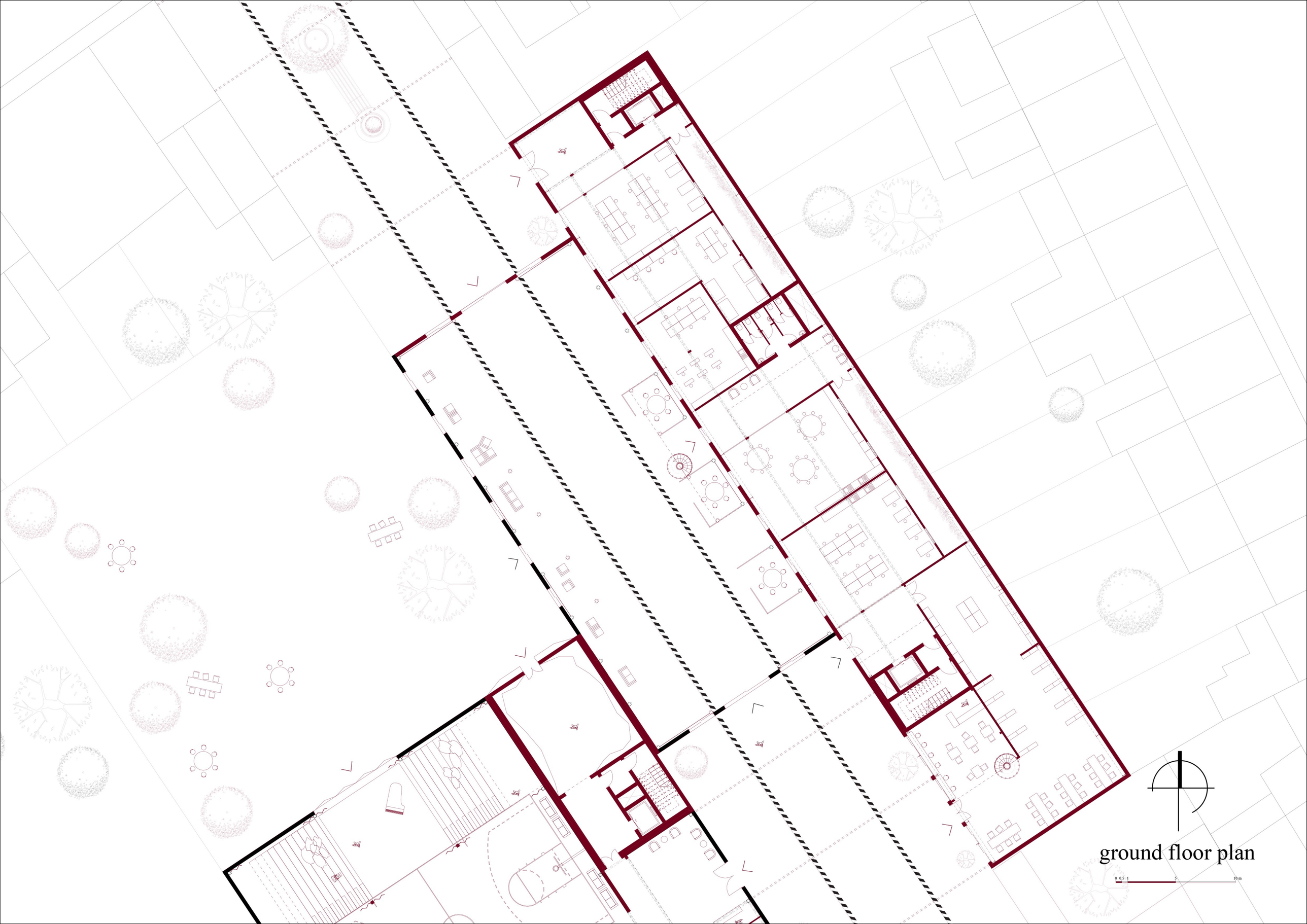


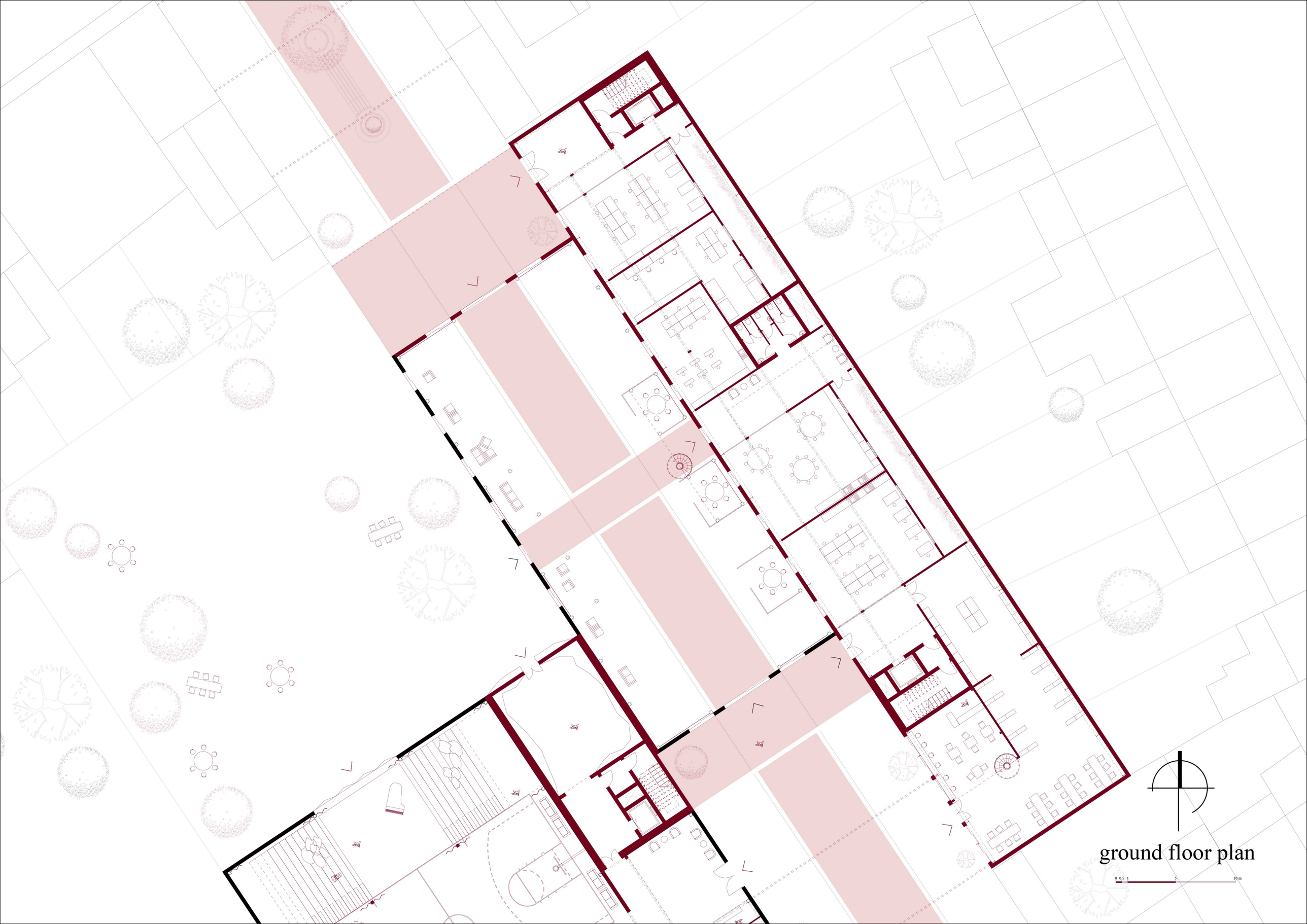
Lecture Rooms



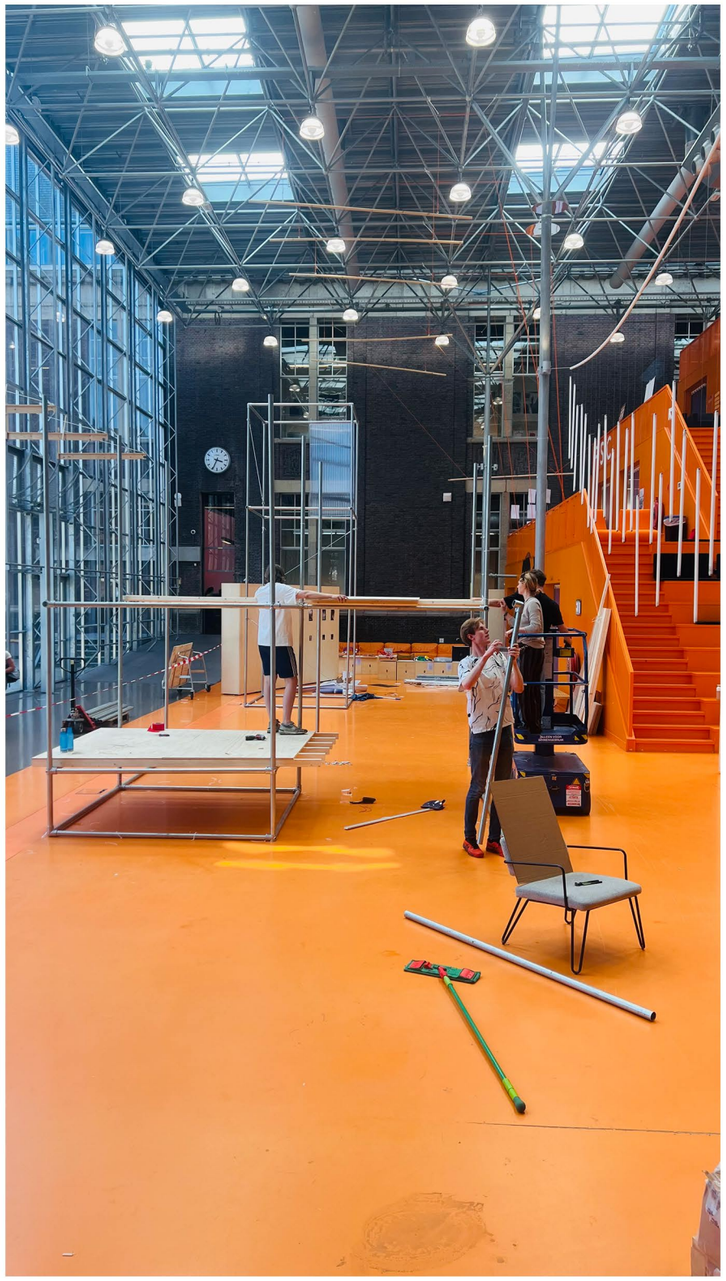


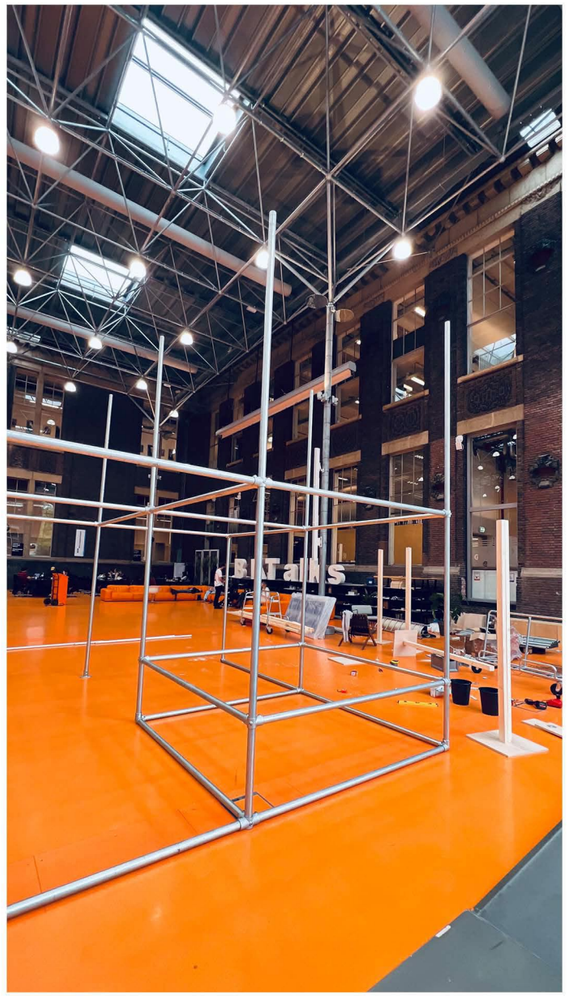
The Passage, The Backbone

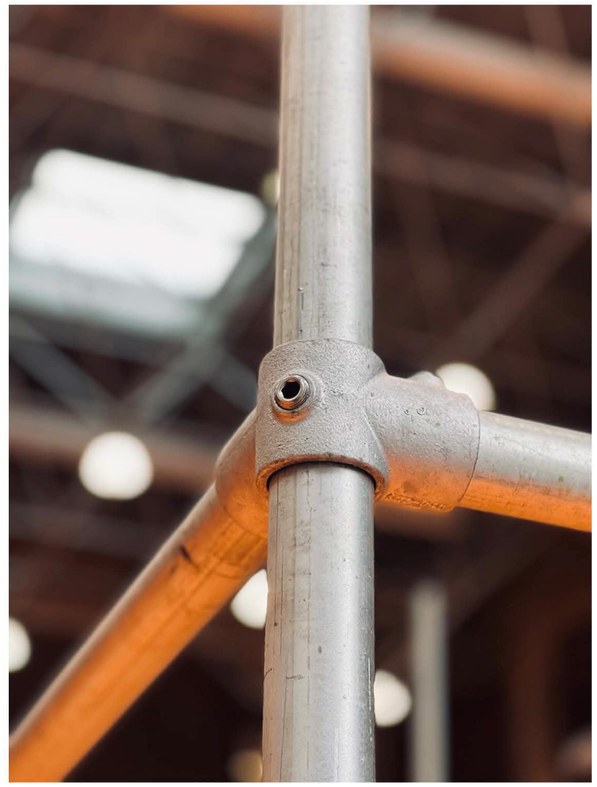

ground floor plan
0 0.5 1 5 10 m



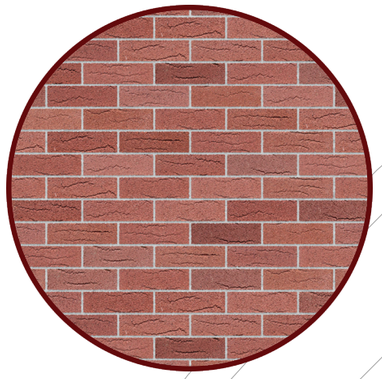
ground floor plan







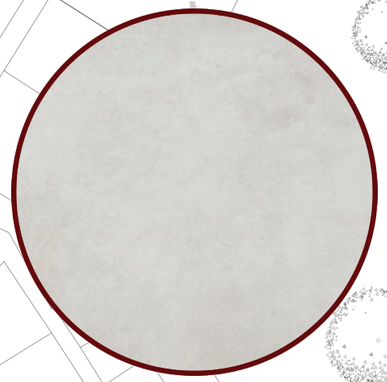
small elements, big changes



creased brick stretcher



dragfaced brick common



precast concrete paving

ground floor plan

The Visibles

The areas 1-4 are temporarily occupied with sitting elements on a daily basis to function as a public living room. In that layout, it hosts cultural exhibitions as well. When the furniture is removed, it allows space for flea markets, makers' markets and other cultural activities. The red area is left for a permanent circulation route within the project.





furnitures removed, flea market layout



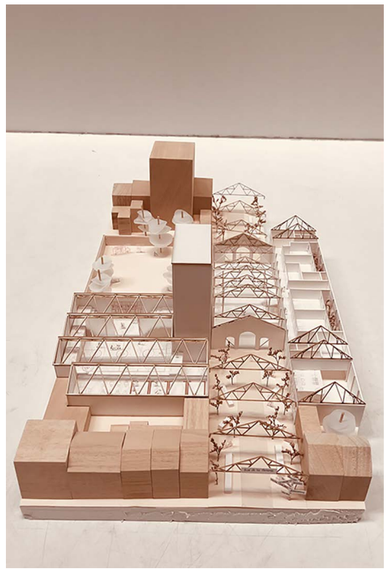
public interior, daily use layout



Rue de la Pomme



existing



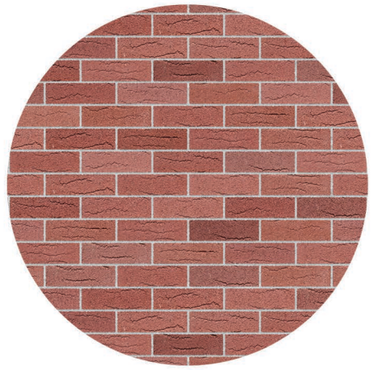
proposal



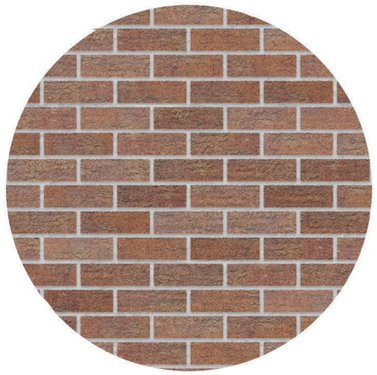


1:200 model photos

MATERIALS AND ELEVATIONS



creased brick stretcher



rusticated red brick stretcher



dragfaced brick common



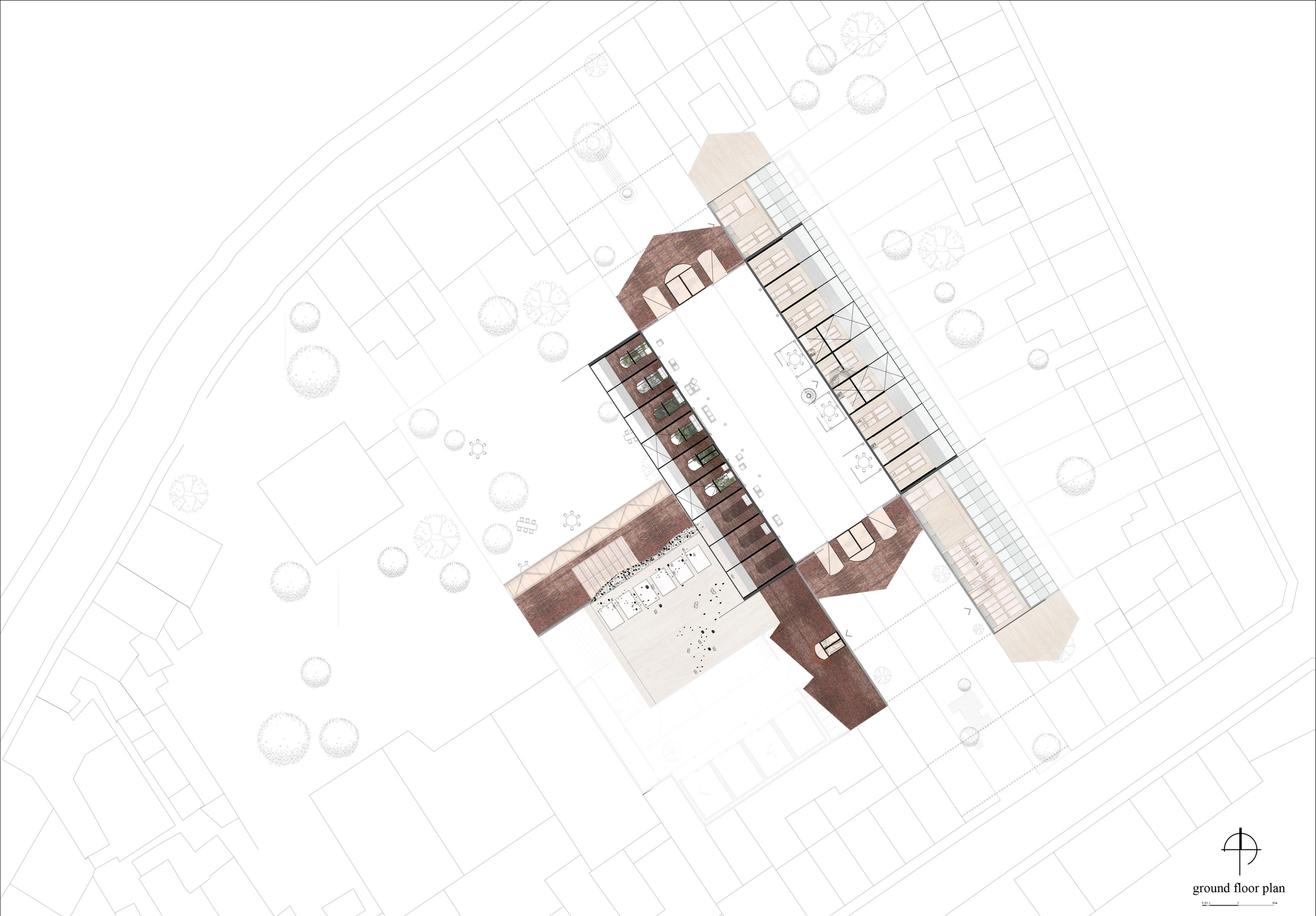
douglas fir



precast concrete paving

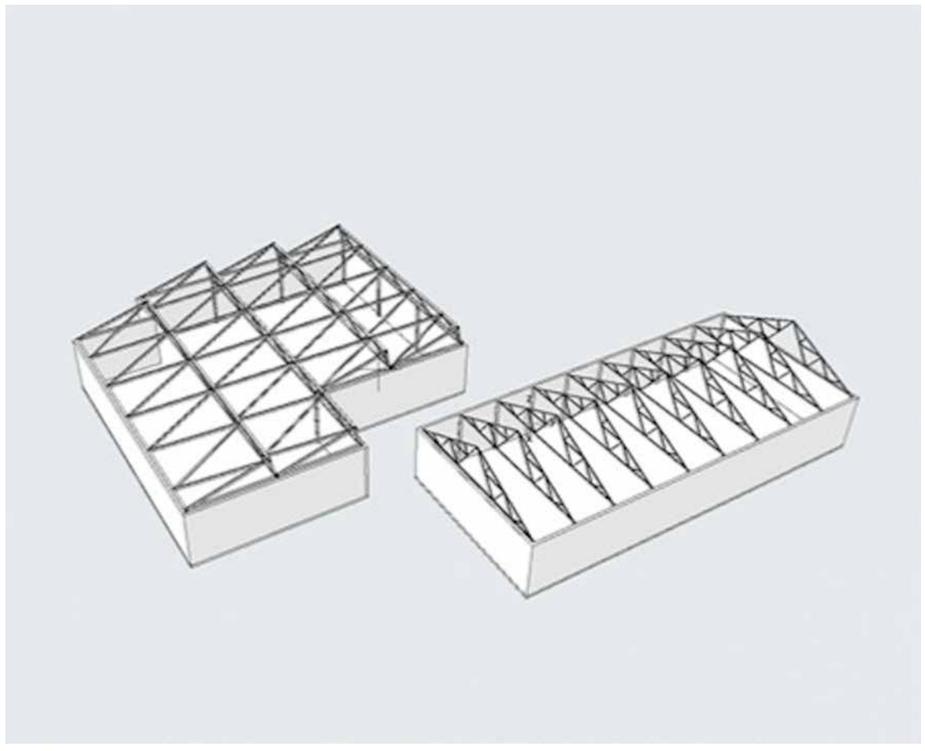


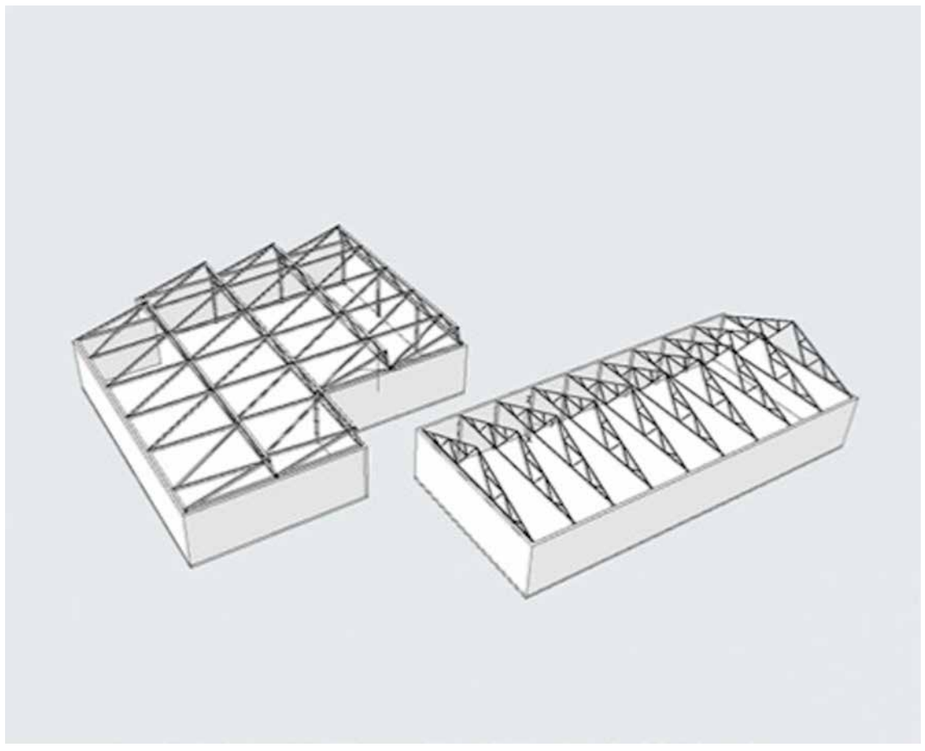
exposed concrete panels



ground floor plan

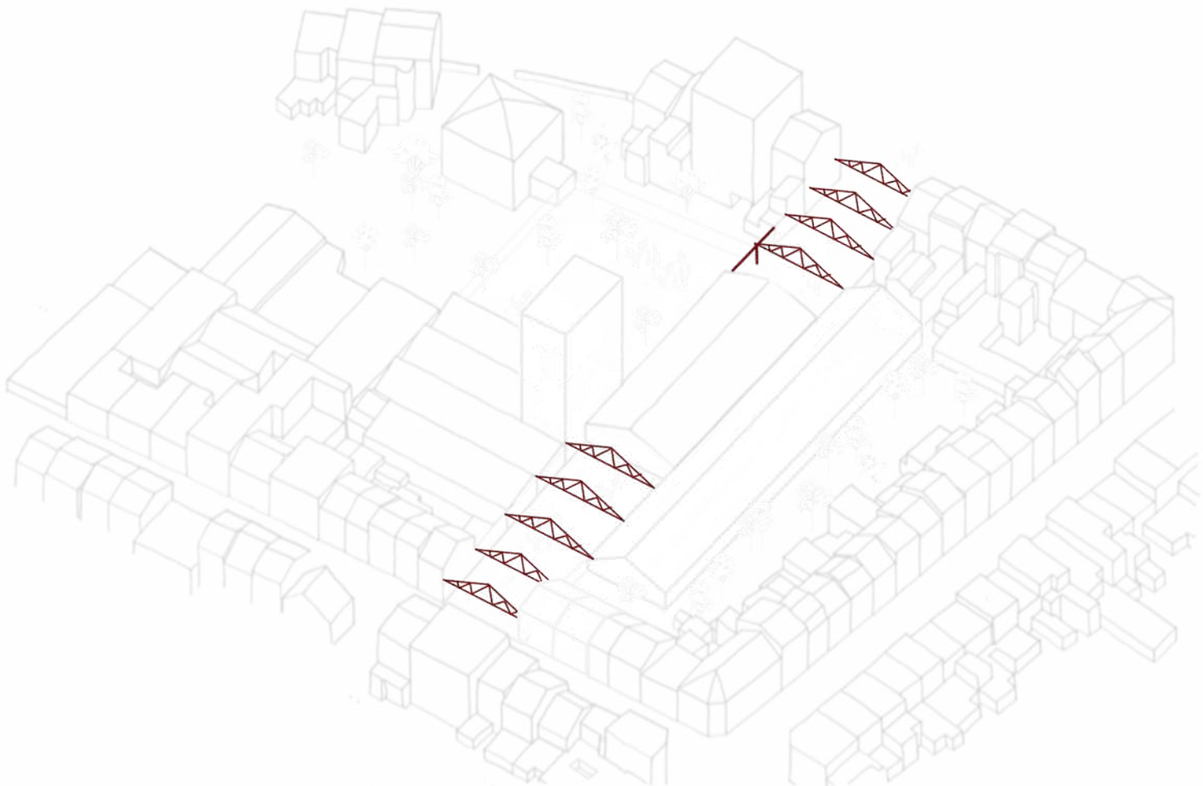
BUILDING TECHNOLOGY PRINCIPLES





steel construction + brick facade

II. Reclaming materials
steel trusses + brick facade

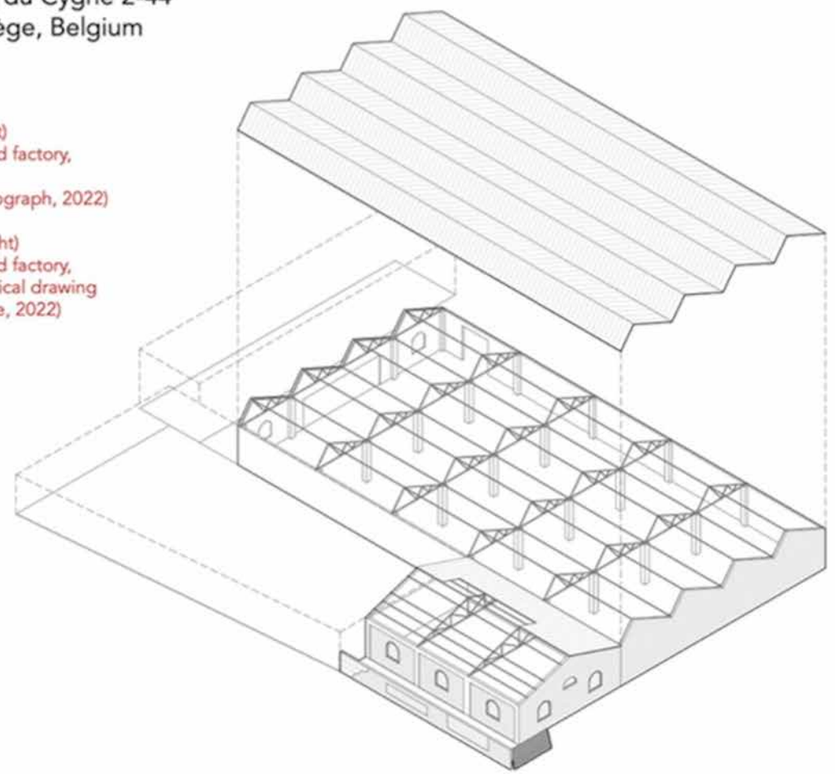


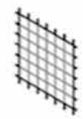
ABANDONED FACTORY

Rue Pré du Cygne 2-44
4020 Liège, Belgium

Fig. 32 (left)
Abandoned factory,
Droixhe
(own photograph, 2022)

Fig. 33 (right)
Abandoned factory,
axonometrical drawing
(own image, 2022)





Mesh Wire
steel - grey
30m², 4 pc.



Roof Tiles
clay - dark brown
216m²



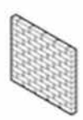
Beam
steel - grey
50x75 mm, 4m
64 pc.



Wall Panel
composited wood
30m²



Corrugated Panels
steel - grey white
200x300x200mm
48m²

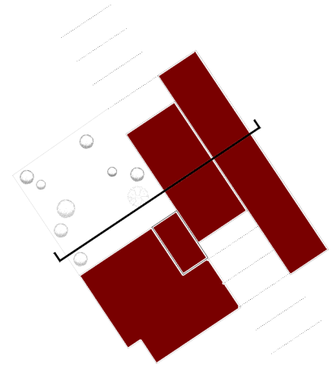


Bricks Wall
brick - red
90x190x90mm
720m²



Bricks Wall
stone - grey, white
200x300x200mm
85 pc.

III. Life span of the building shell concept



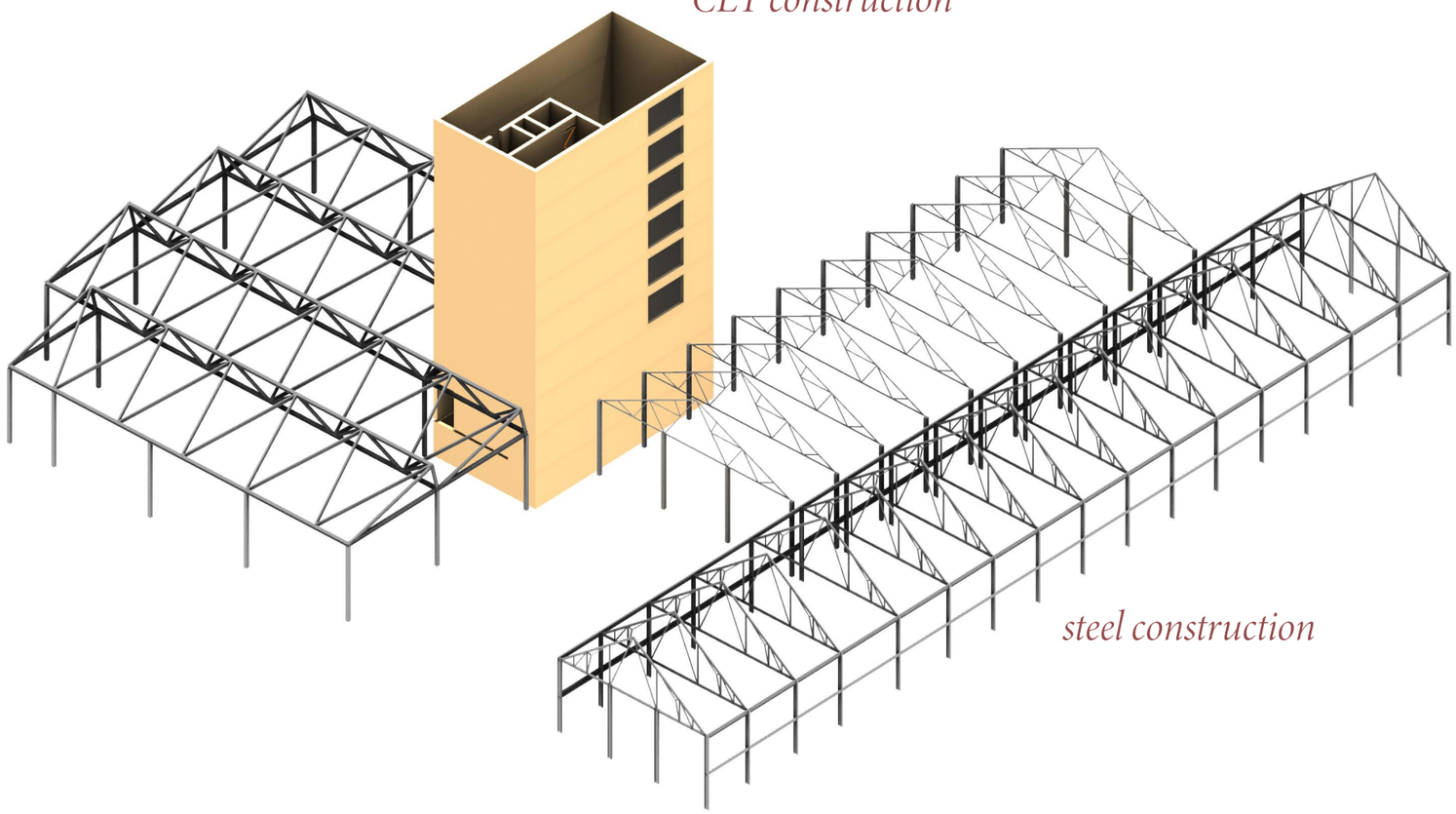


. *primary steel structure & secondary timber construction*

1:100 section

III. Life span of the building
shell concept- structural diagram

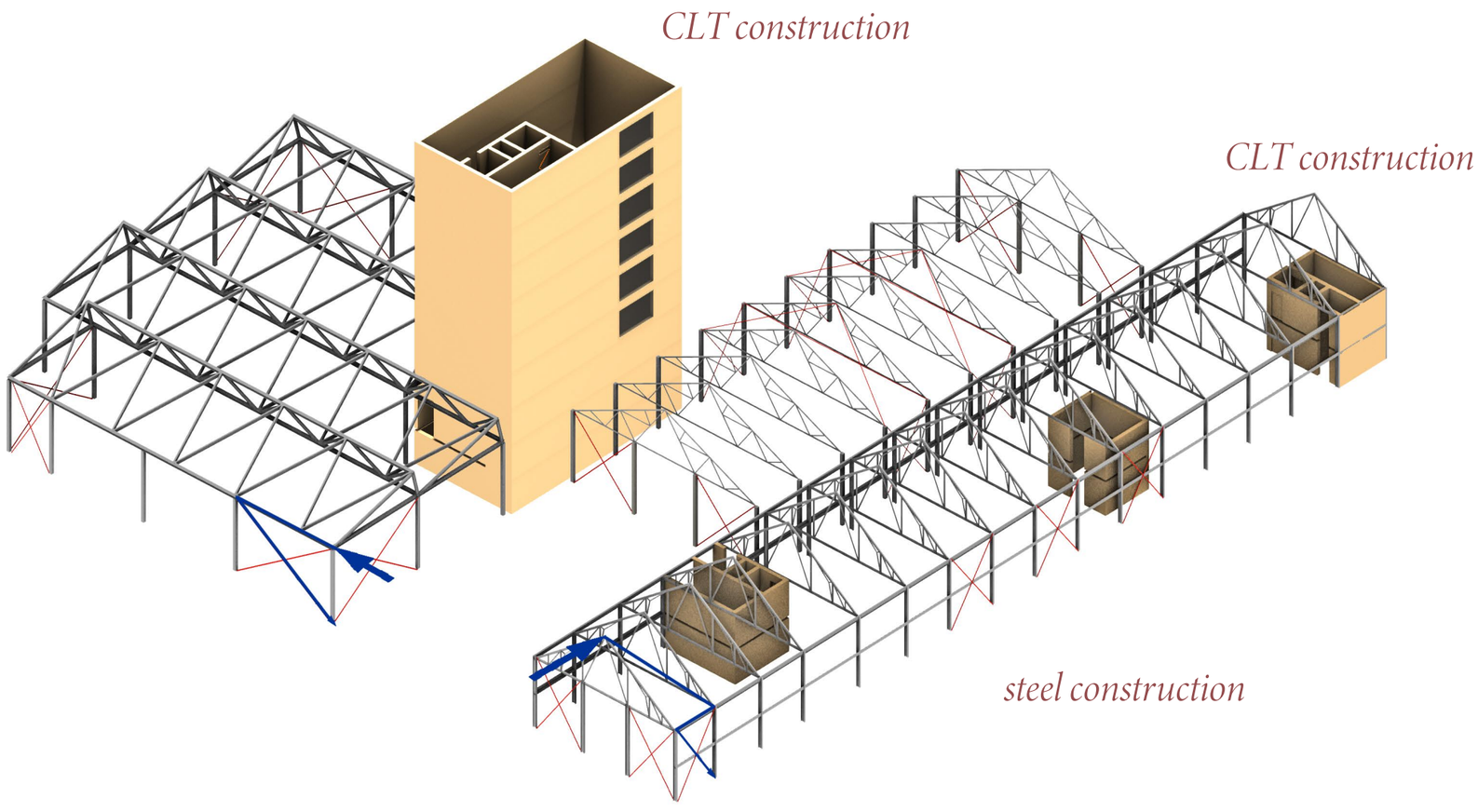
CLT construction



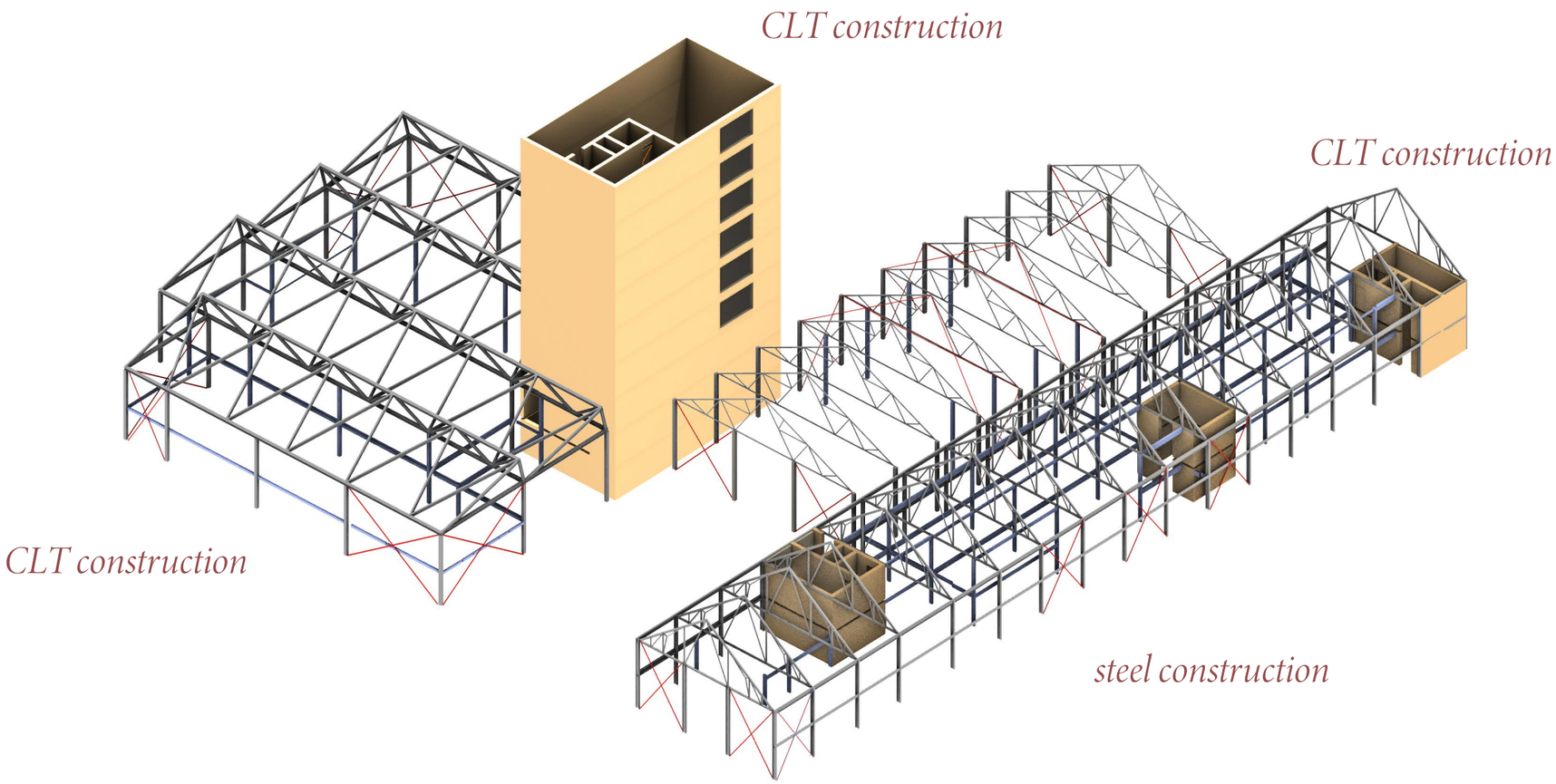
steel construction

primary structure

III. Life span of the building
shell concept-structural diagram

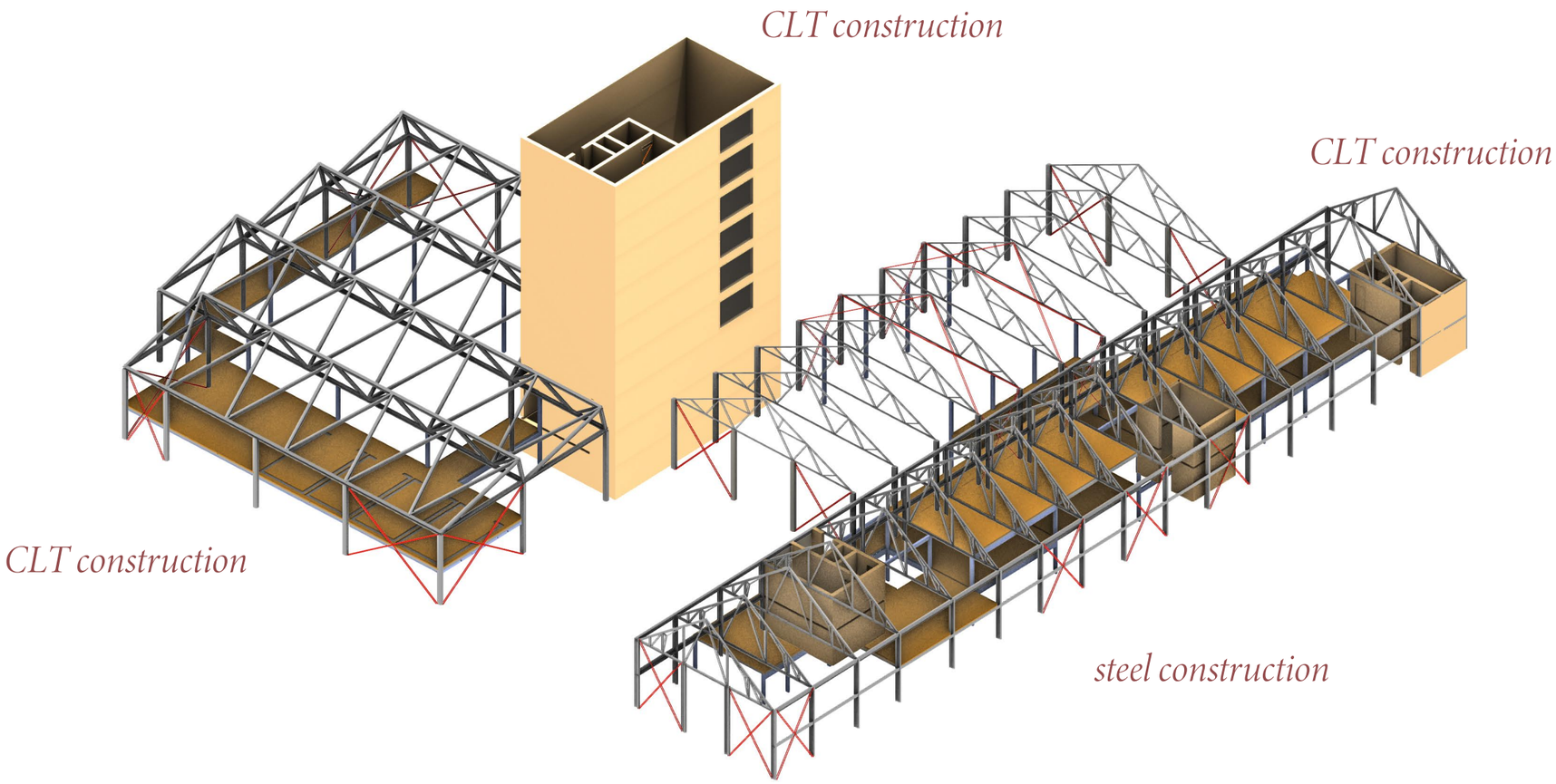


III. Life span of the building
shell concept-structural diagram

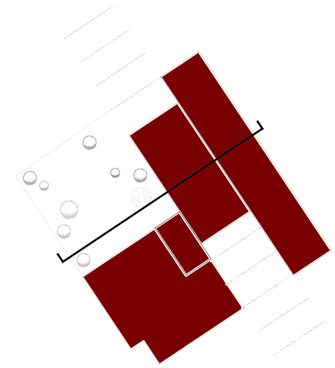


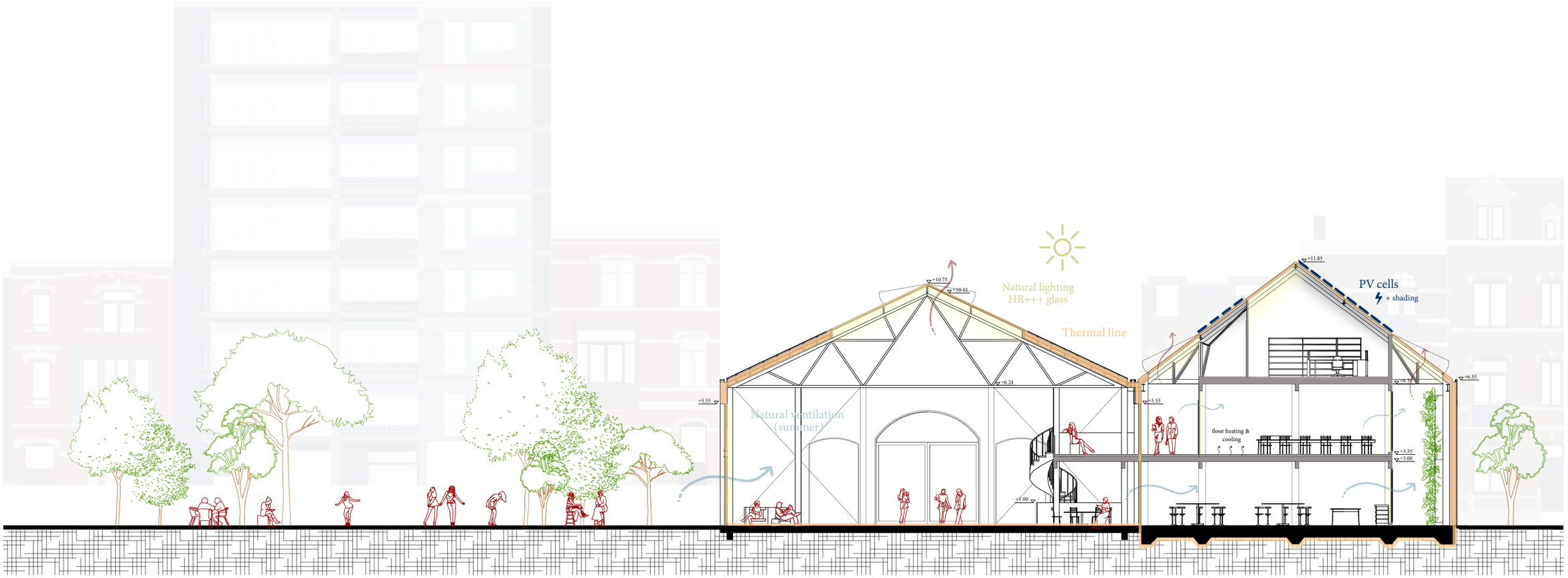
secondary crosslam & glulam construction

III. Life span of the building
shell concept-structural diagram



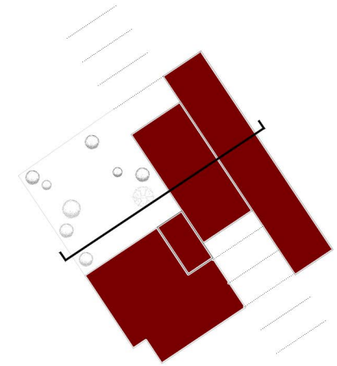
crosslam slabs





1:100 section

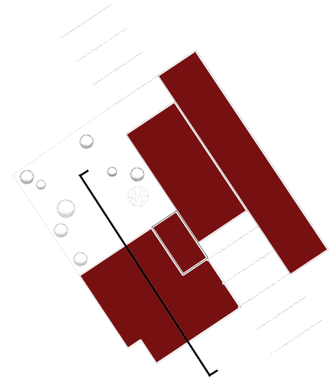
Mechanical Ventilation

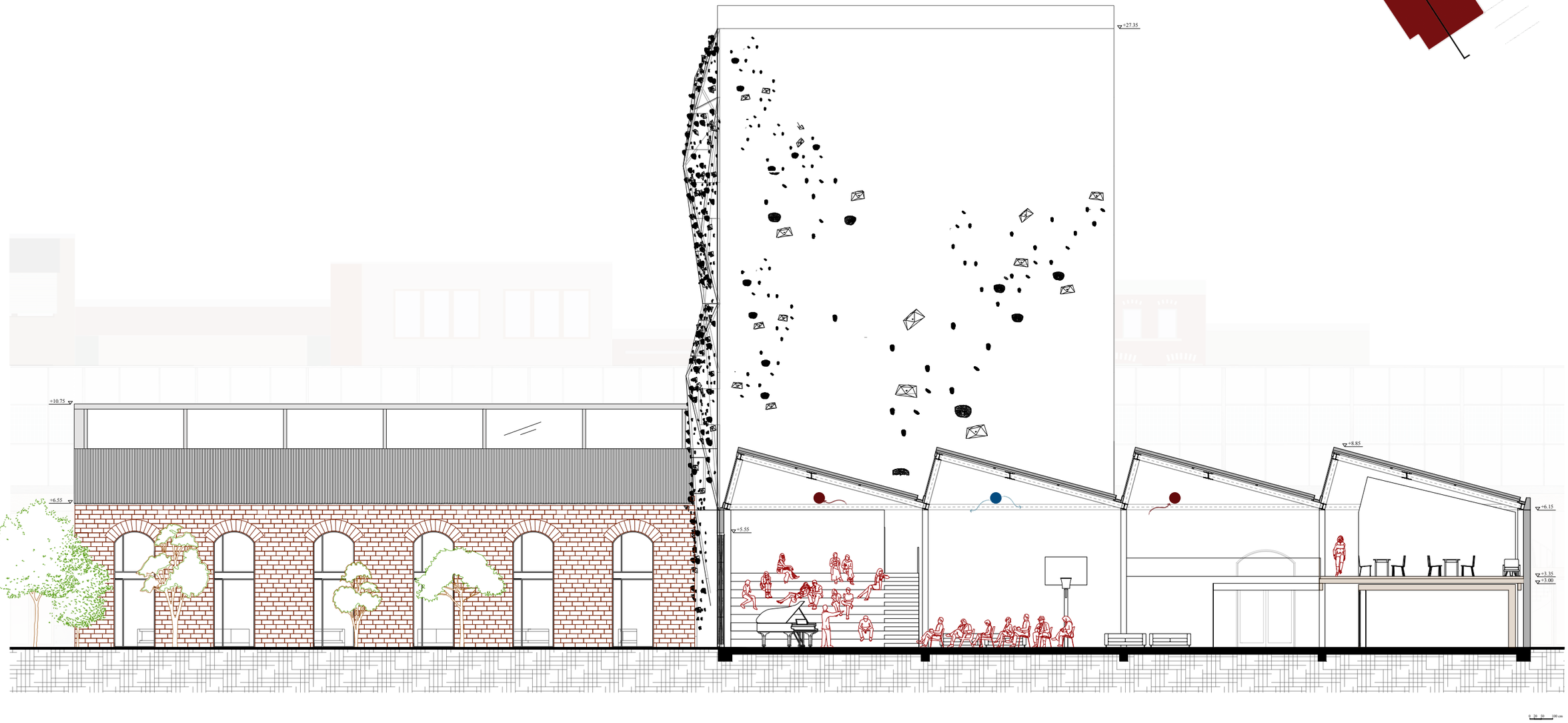




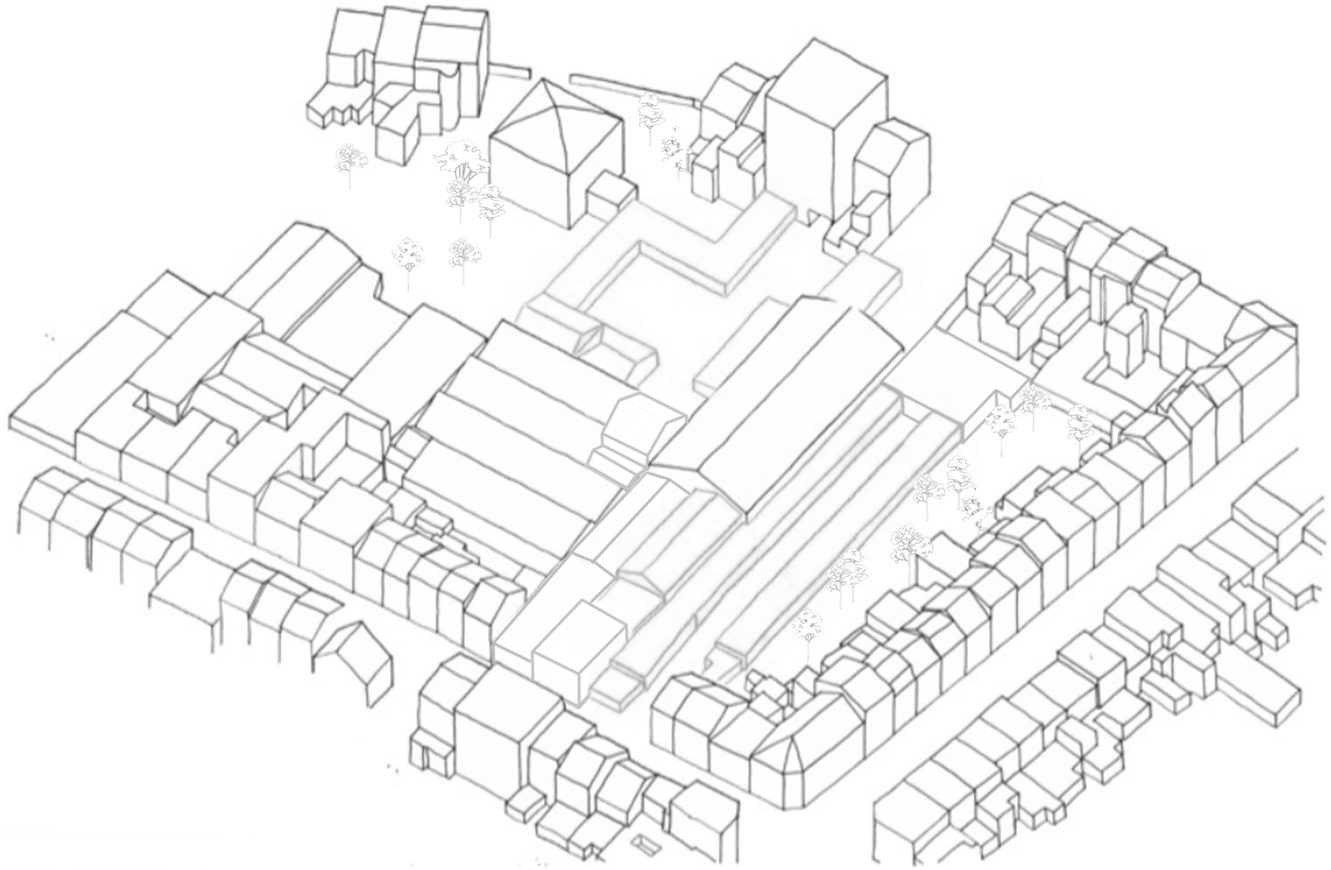
1:100 section

Mechanical Ventilation

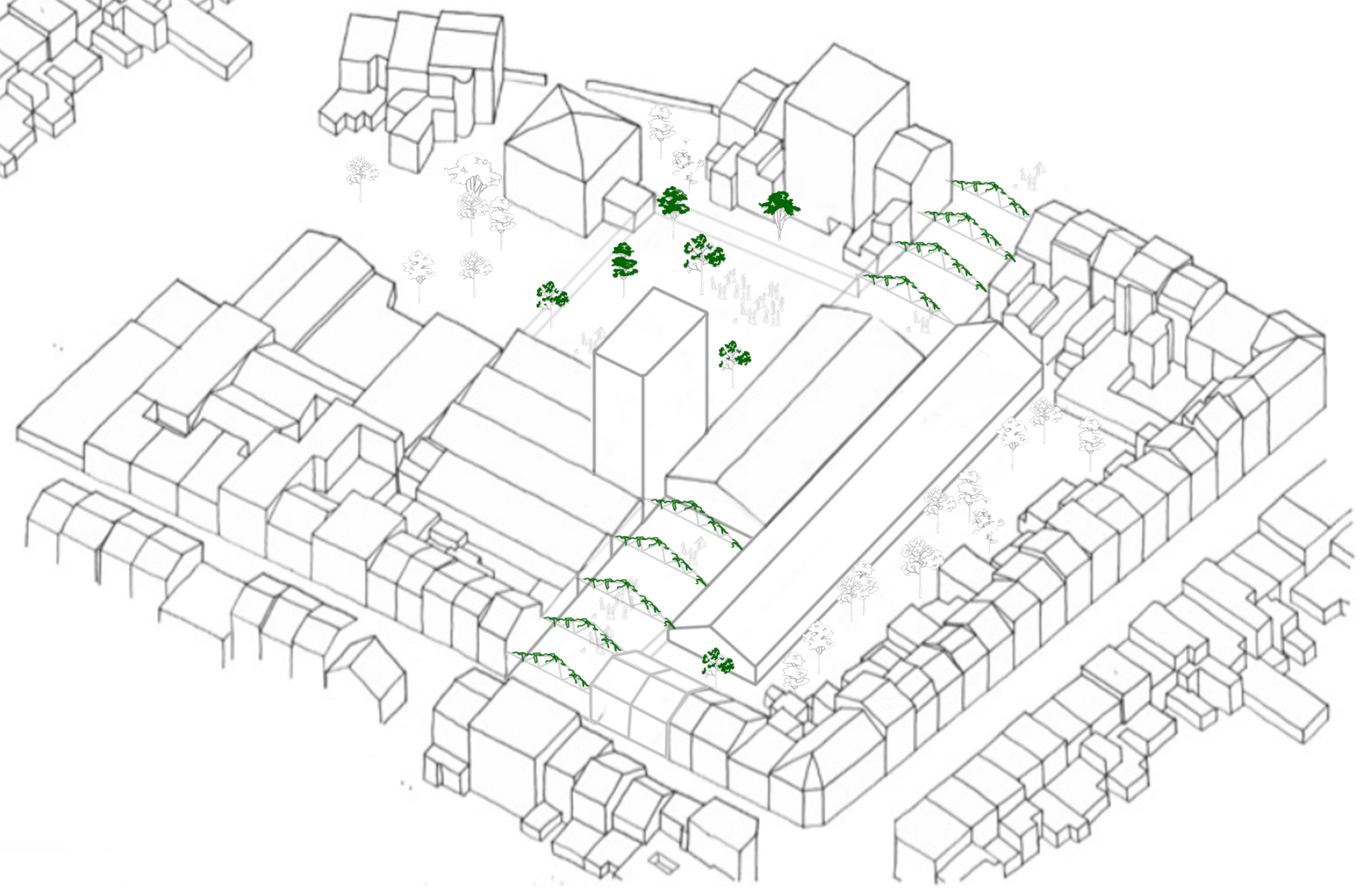




1:100 section



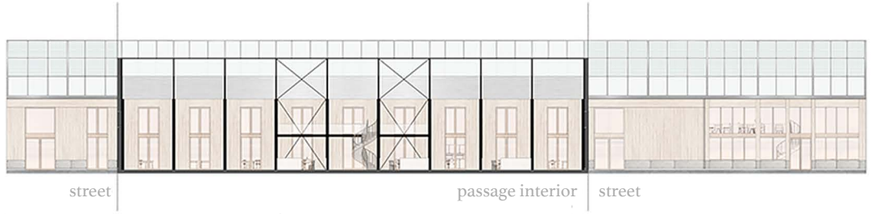
EXISTING



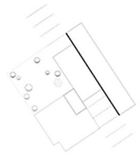
NEW PROPOSAL

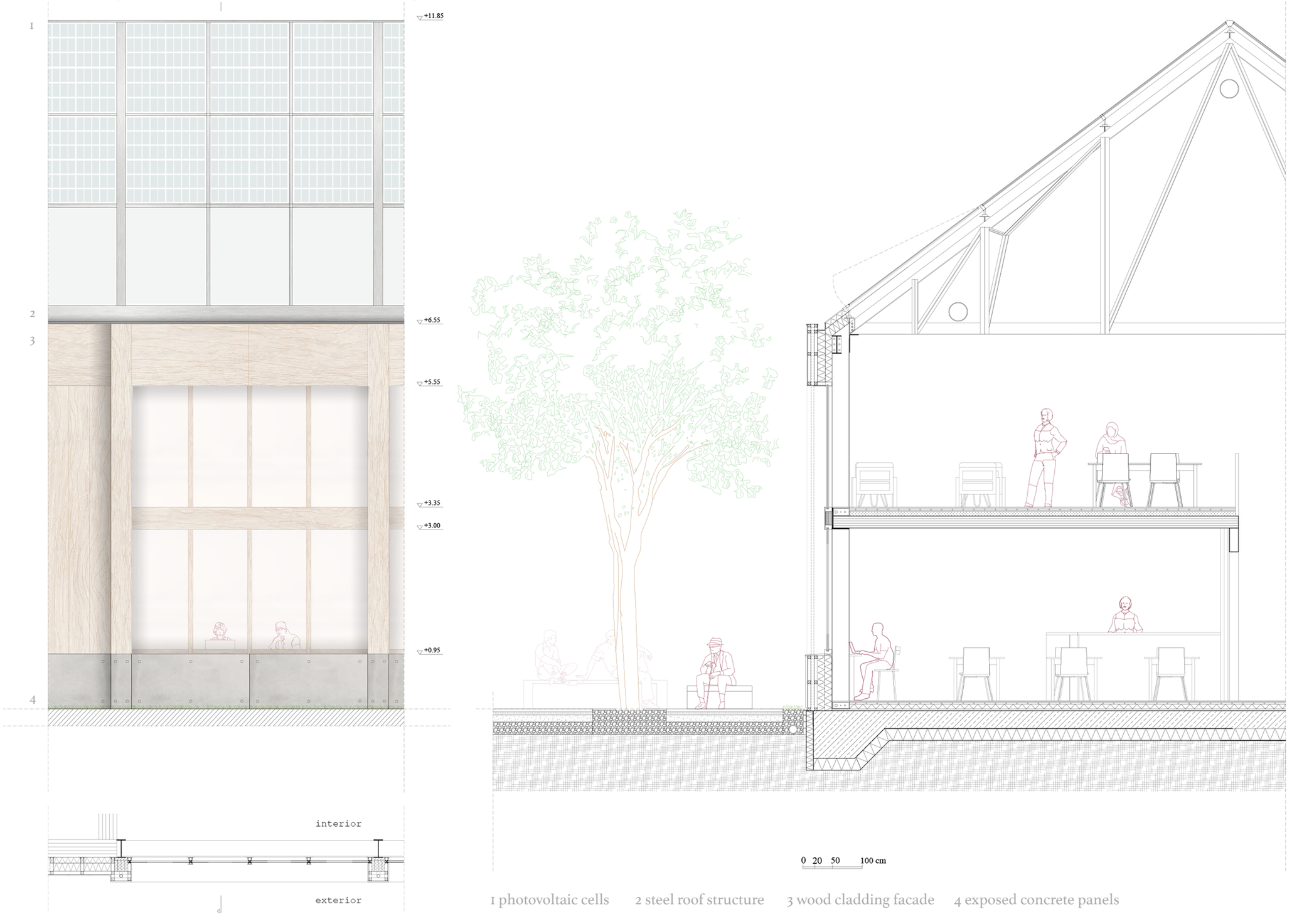
V. Adding vegetation

Fragment Design



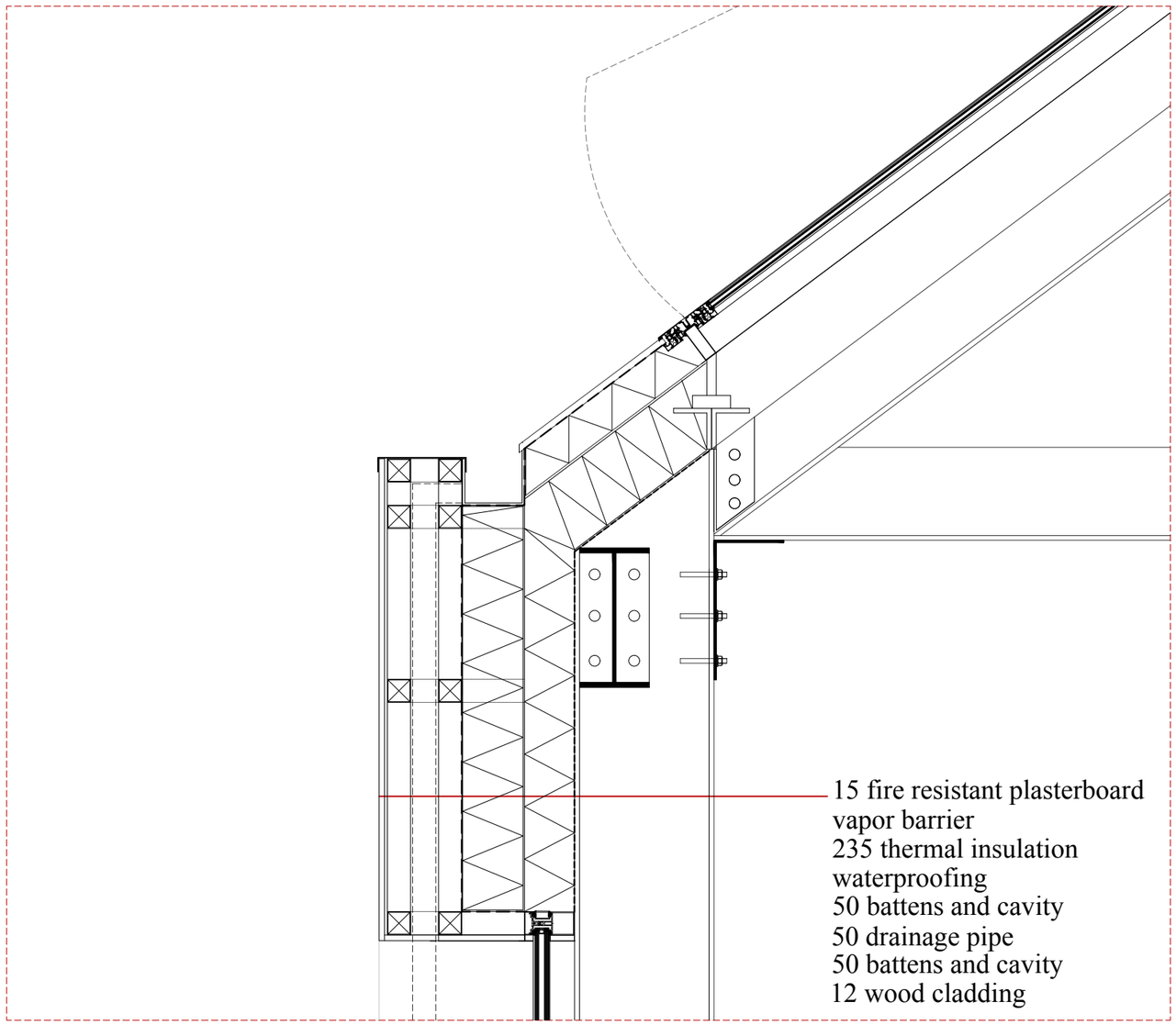
The facade design of the new building (learning center) creates the dialogue between the old and the new. The facade of the existing passage building is demolished so the new facade becomes a part of the existing building.



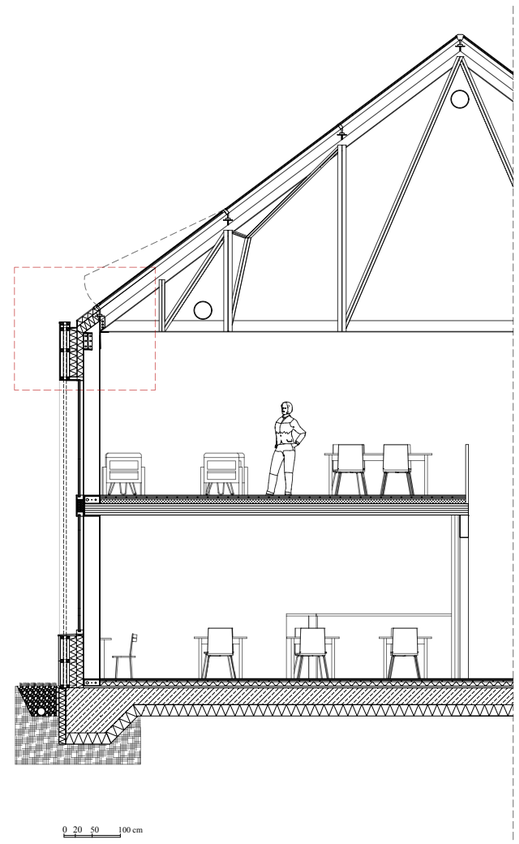


1 photovoltaic cells 2 steel roof structure 3 wood cladding facade 4 exposed concrete panels

0 20 50 100 cm

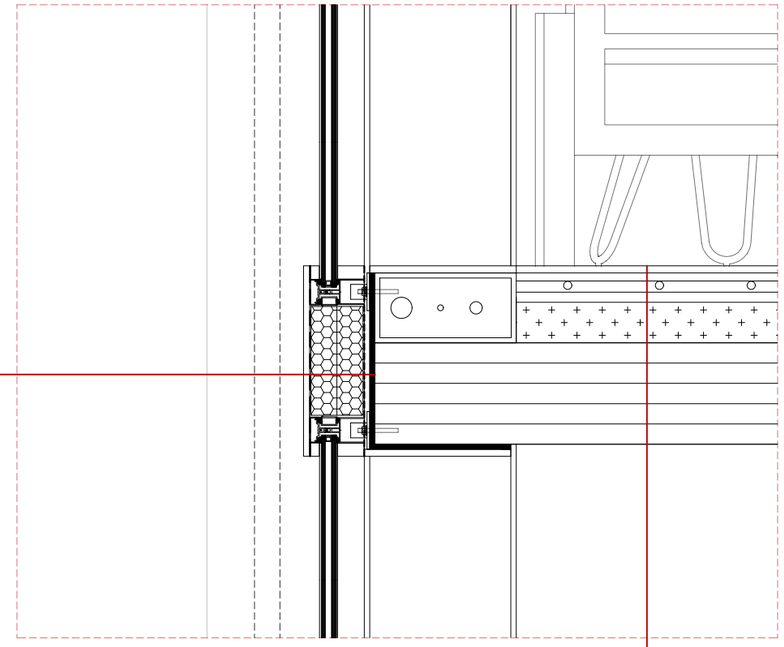


15 fire resistant plasterboard
vapor barrier
235 thermal insulation
waterproofing
50 battens and cavity
50 drainage pipe
50 battens and cavity
12 wood cladding



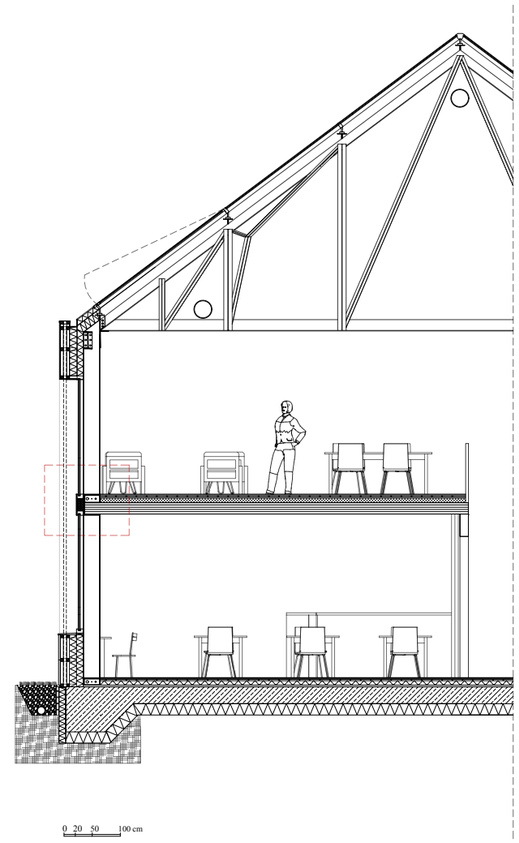
1:5 detail I

0 20 50 100 cm



L section beam
vapor barrier
100 high performance t. insulation
waterproofing
12 wood cladding

14 wood flooring
3 foam
13 plasterboard
22 gypsum fireboard with floor heating
20 impact insulation
80 washed gravel
200 CLT structural slab

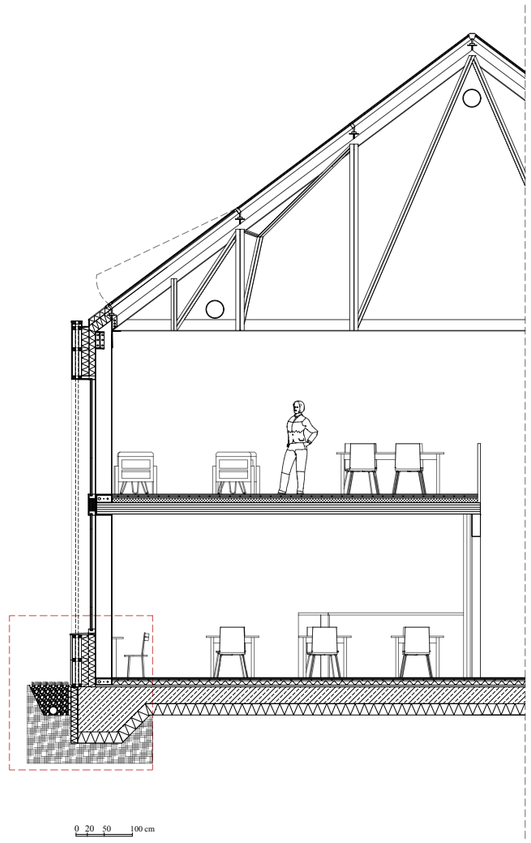


1:5 detail II

0 20 50 100 cm

15 fire resistant plasterboard
vapor barrier
235 thermal insulation
waterproofing
50 battens and cavity
50 drainage pipe
50 battens and cavity
12 exposed concrete wall panel

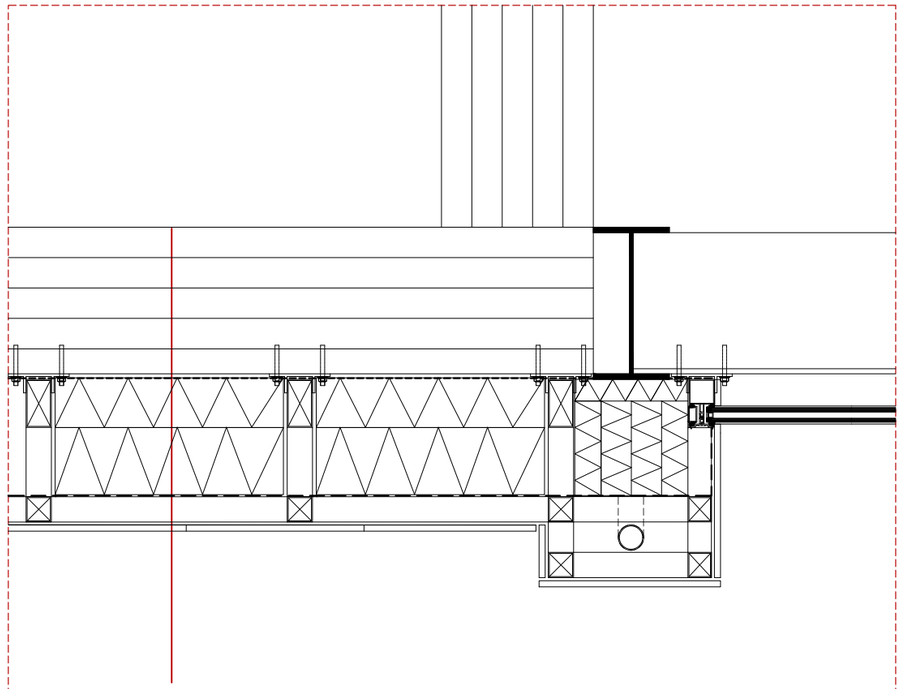
100 h. performance t. insulation
waterproofing
protective brick wall
gravel
drainage pipe



14 wood flooring
3 foam
13 plasterboard
22 gypsum fireboard with floor heating
80 thermal insulation
30 leveling screed
waterproofing
250 concrete raft foundation
200 thermal insulation

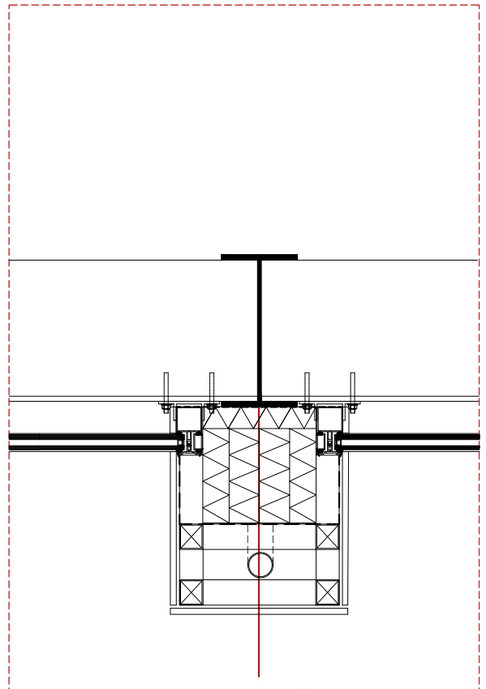
1:5 detail III

0 20 50 100 cm

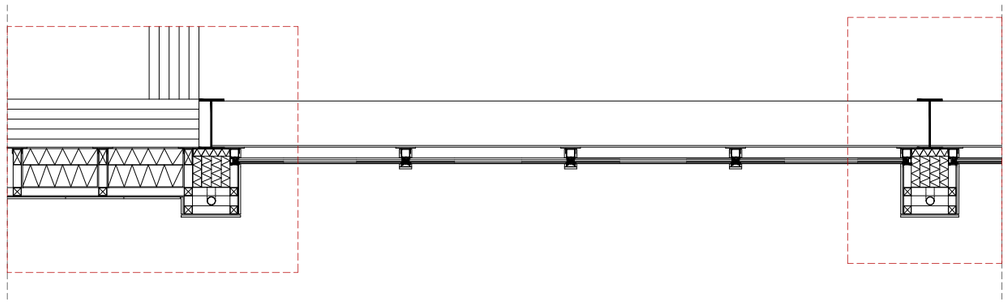


300 CLT structural wall
vapor barrier
235 thermal insulation
waterproofing
50 battens and cavity
12 wood cladding

0 20 50 100 cm



I column
vapor barrier
235 thermal insulation
waterproofing
50 battens and cavity
50 drainage pipe
50 battens and cavity
12 wood cladding



0 20 50 100cm

1:5 detail IV & V

Thank you