

Cultivating life from neglected past

# Resilience Rooted in Traces



SOFIIA PAIAS









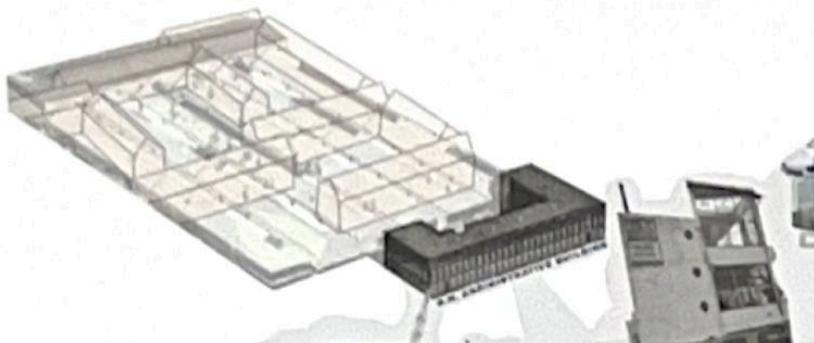




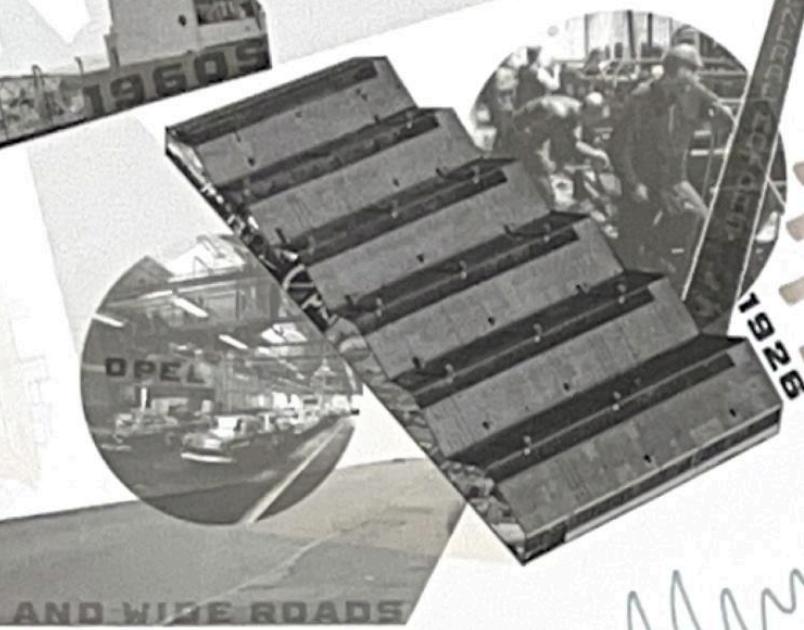
# Haraldsgade area, Copenhagen



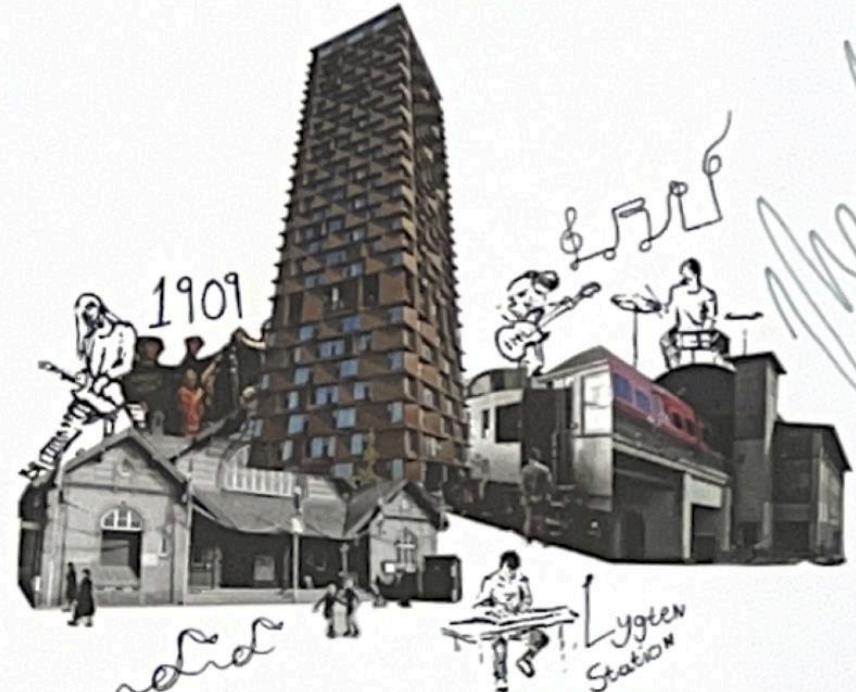
Mappa Imaginaria Hafniae



MANUFACTURING

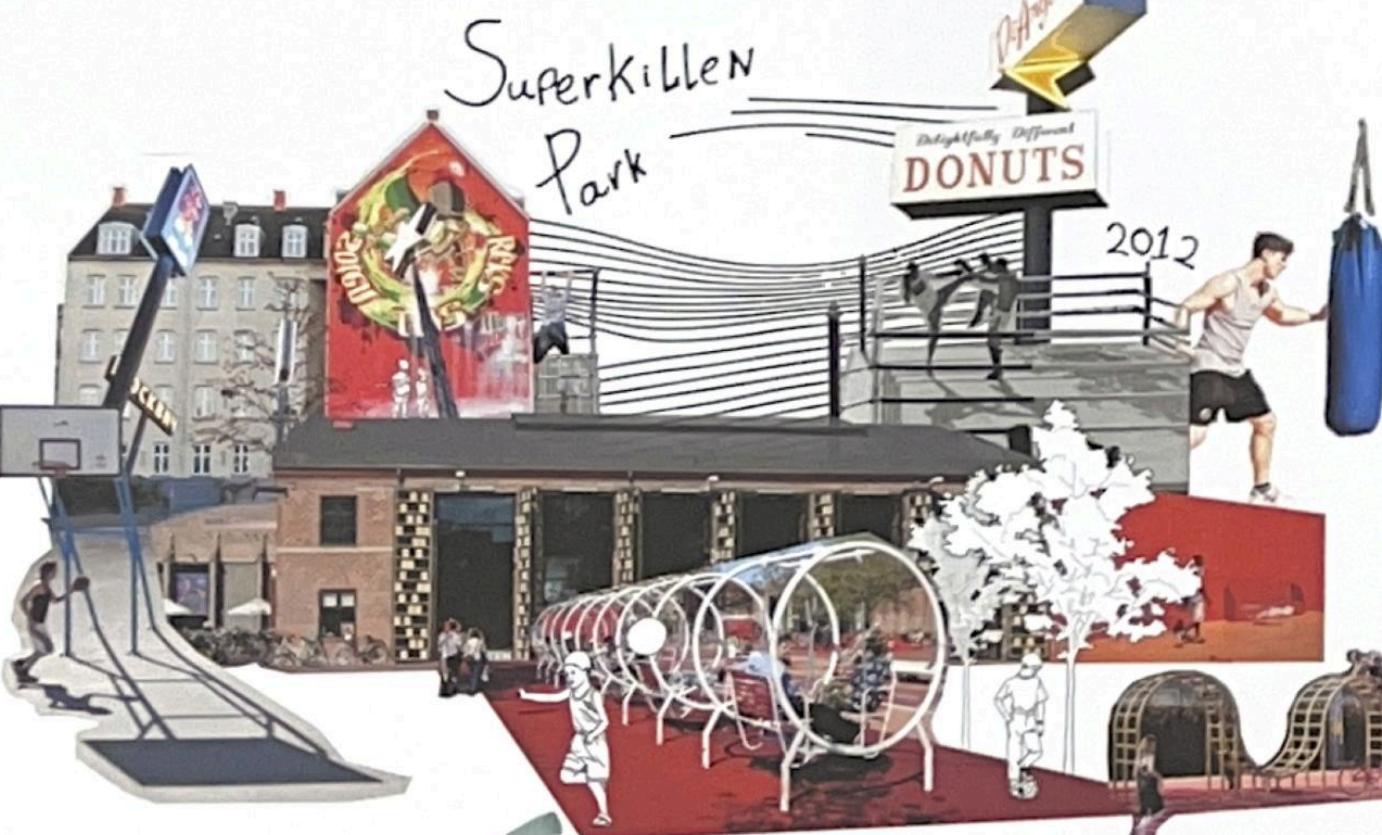


LARGE AND WIDE ROADS



Lygten Station

old



Superkilen

Park

DONUTS

2012

Don't let them hear us play

Perimeter

Don't show them our art!

GONE

Don't tell them about this place

CLOSED



NON-PROFIT

CULTURALLY

PROTECTED

CITIZEN

ENT

THE

GOVERNMENT

FOR

THE

PEOP

LE

THE

GOVERN

FOR

THE

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LE

THE

old

new

old

new

old

new

old

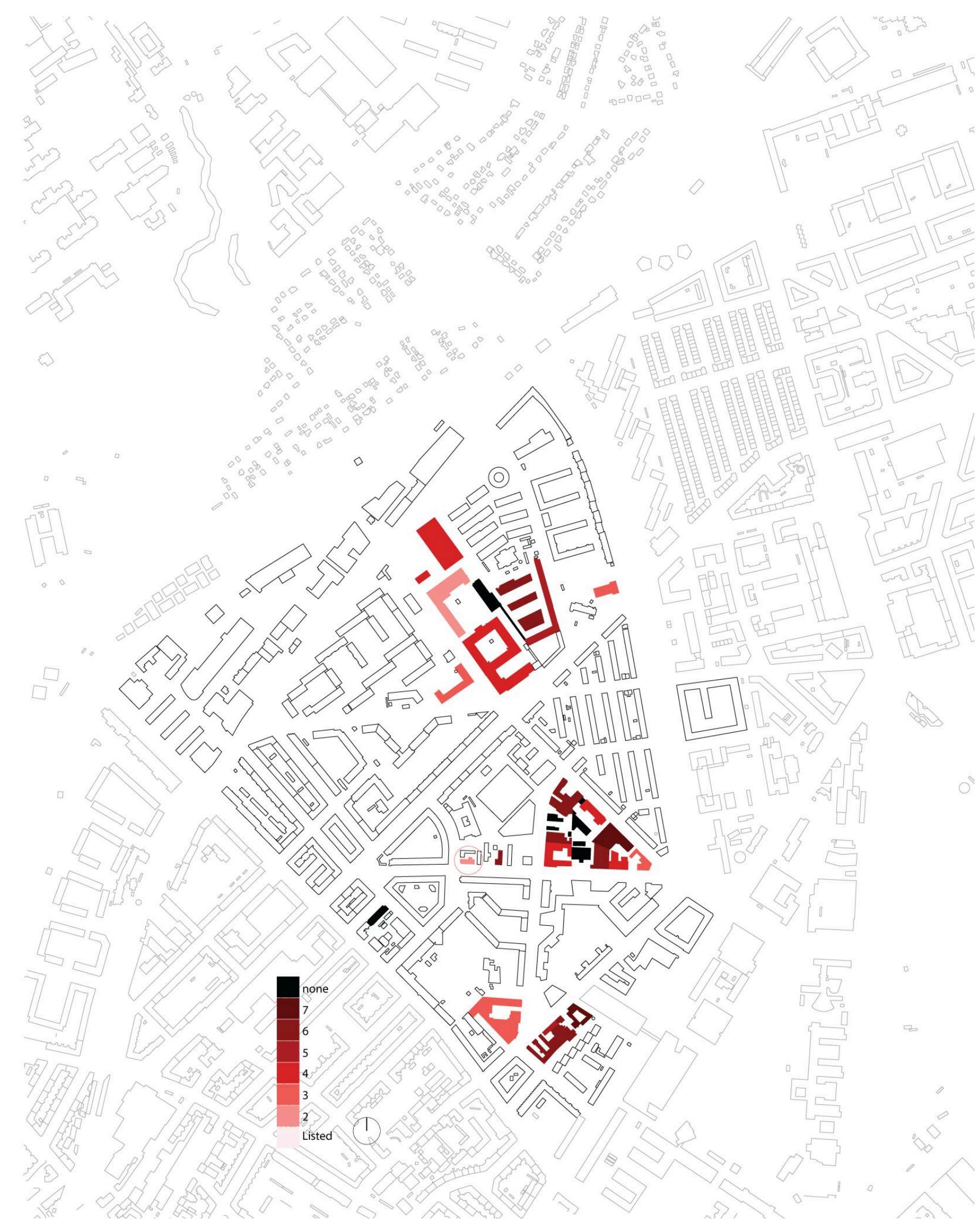
new

old

new

old

new



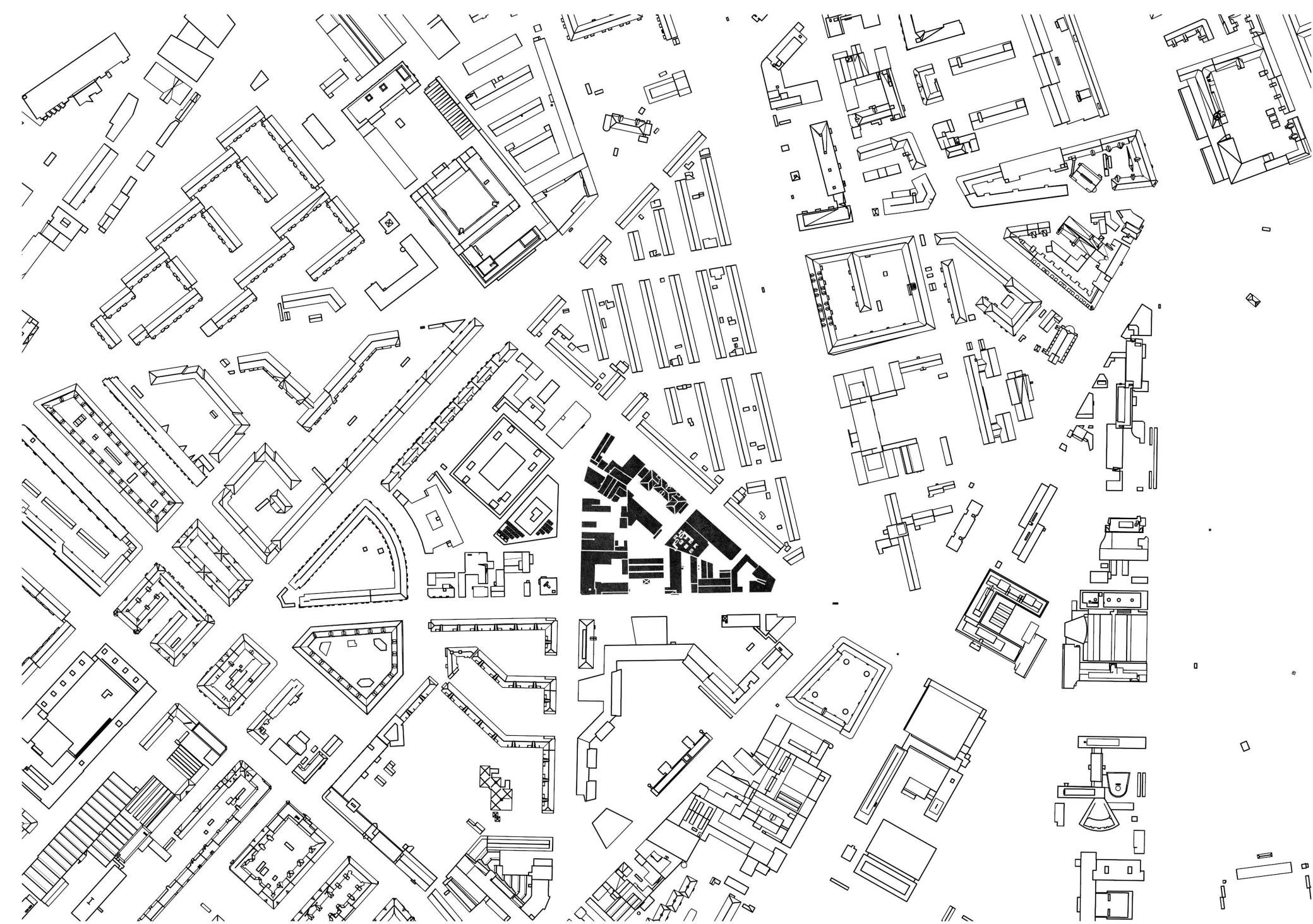
Conservation value of industrial heritage in Haraldsgade area



Conservation value of industrial heritage in Haraldsgade area



Nightclub  
Now the music is more diverse but less mainstream.  
We worked here for the past **20 years**, before our  
Hell Angels fired a granate  
workshop was in that triangular block for **30 years**.  
I made **sculptures out of** still have 5 years  
**pavement stones**, we got these  
stones during the renovation of the harbor  
Area with **workshops** **severely damaged** **Diverse**  
We are oppening a **restaurant now!** **kicked out** **now**  
Yeah we are getting **We grow our greens and vegetables here**  
they'll **demolish** this block in January  
of the Danish **hairdresser and Cosmetic Association**  
We are trying to get a **heritage status**  
for the building to save it.

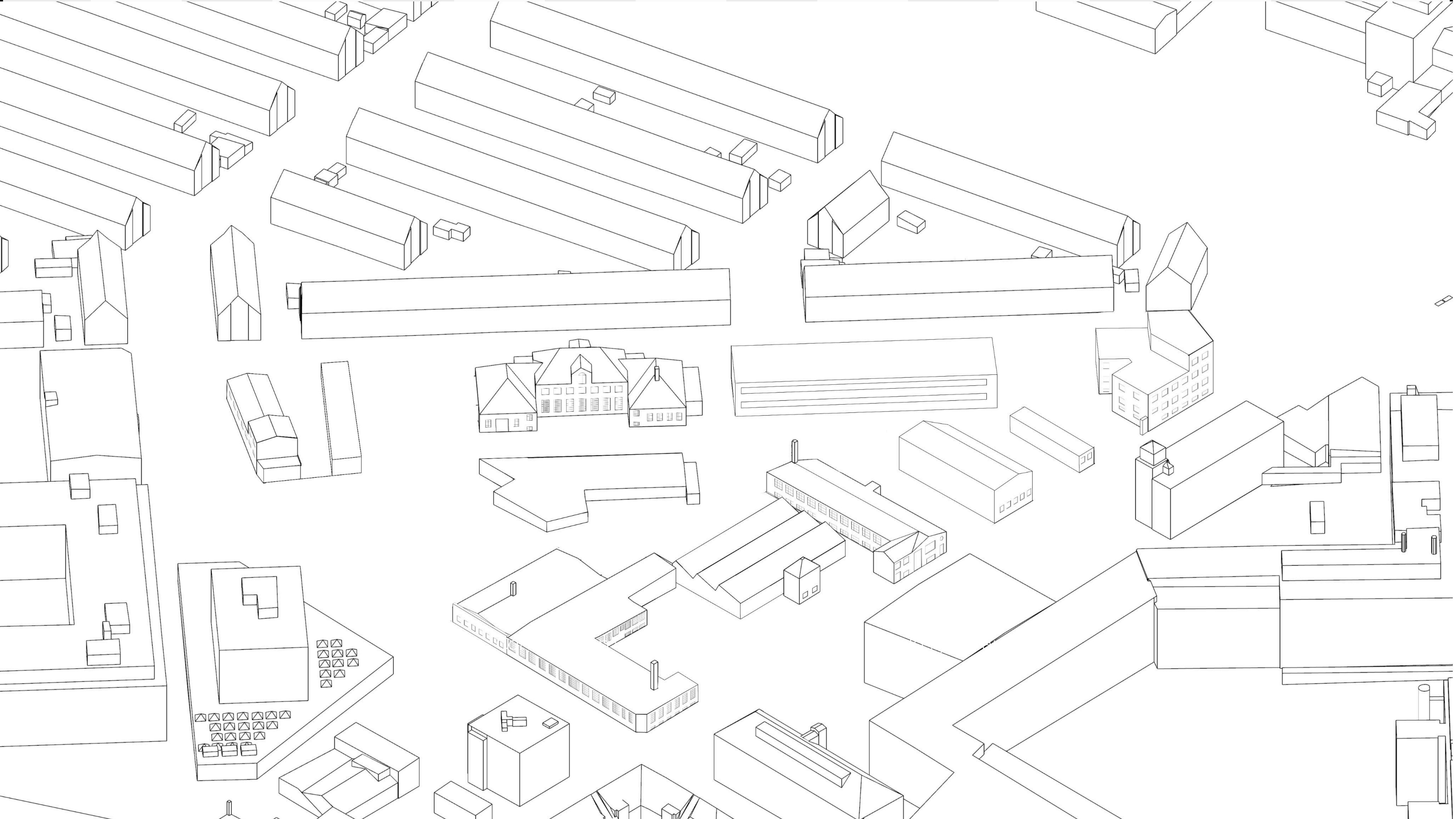


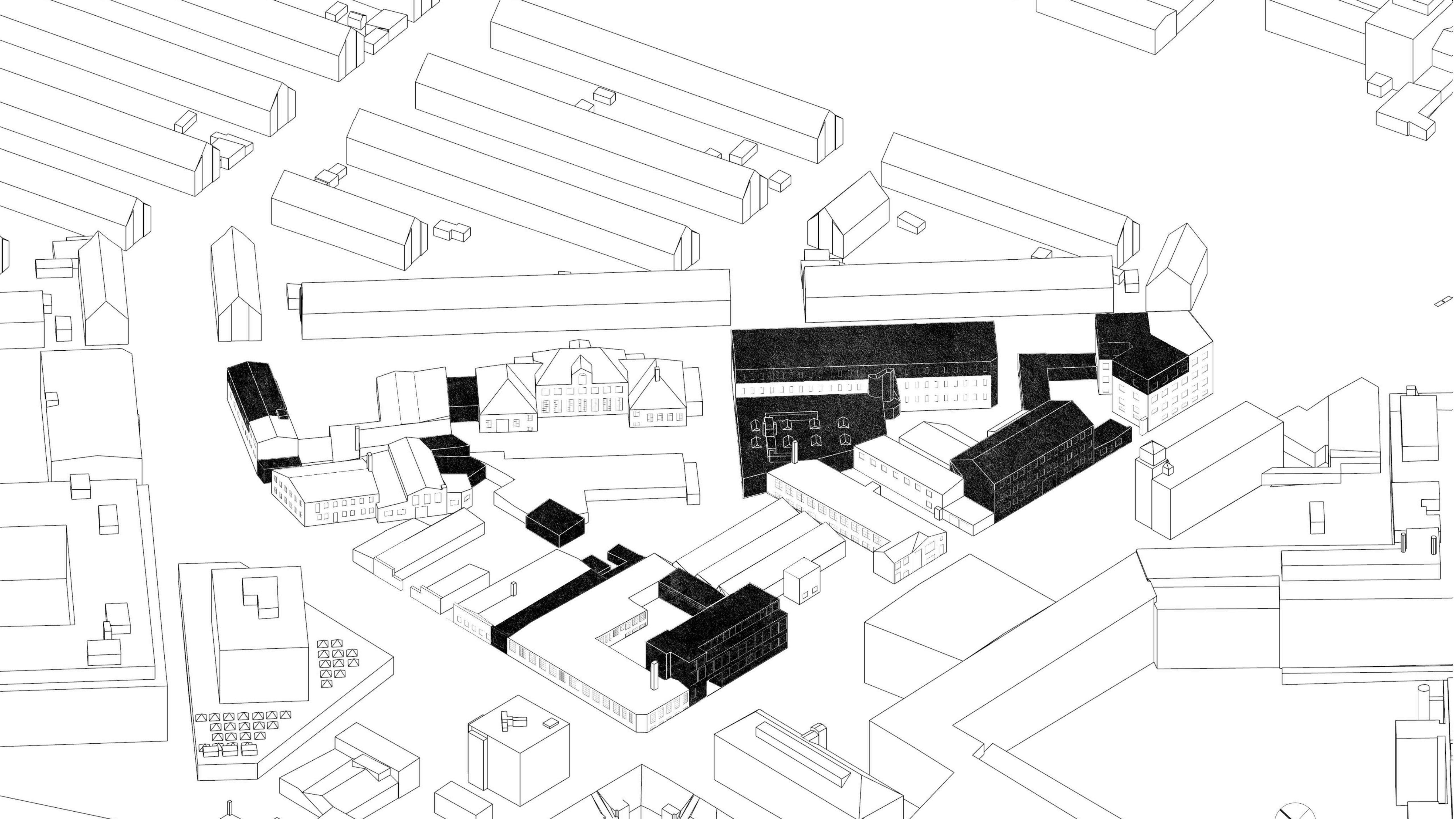


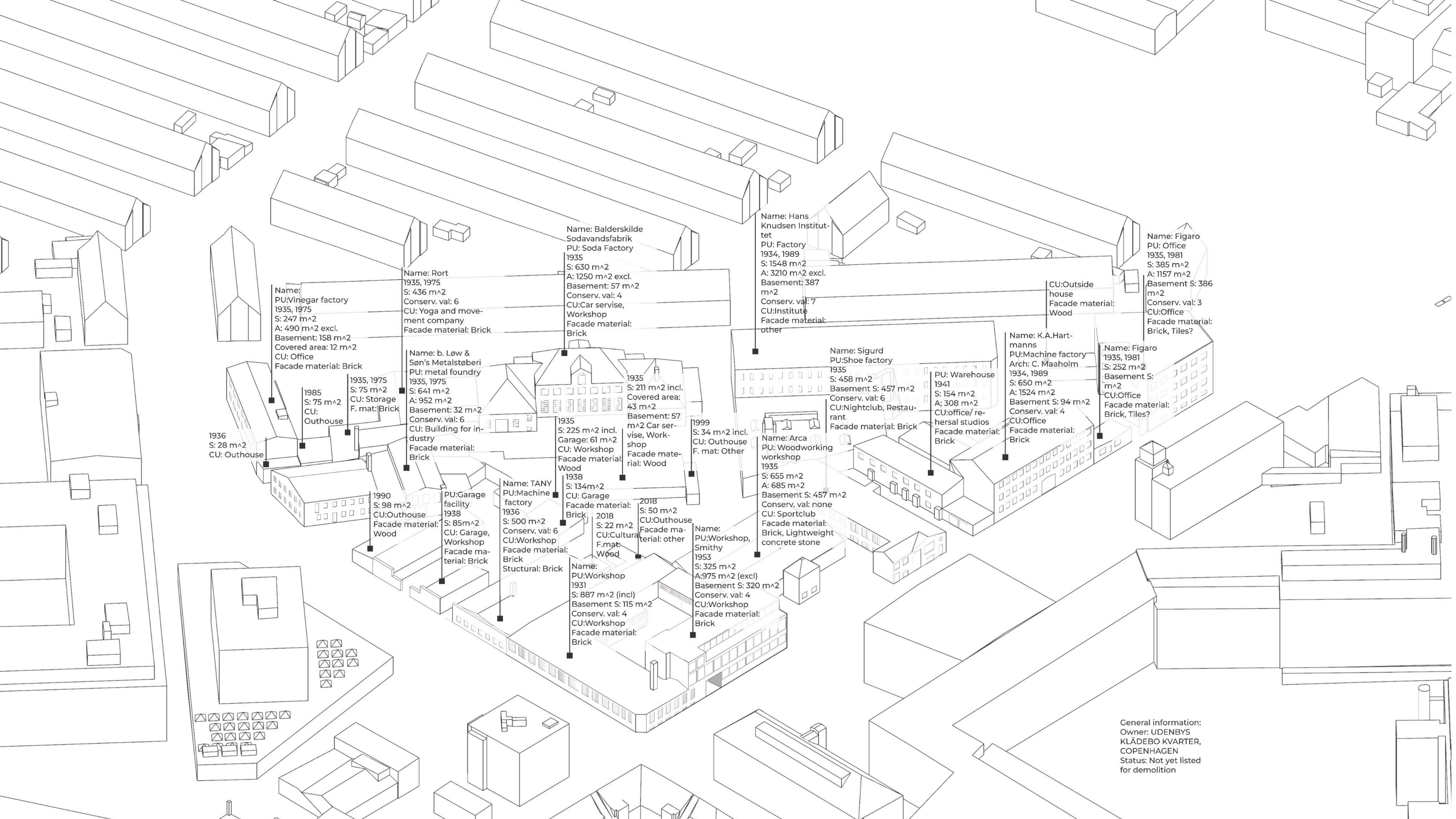
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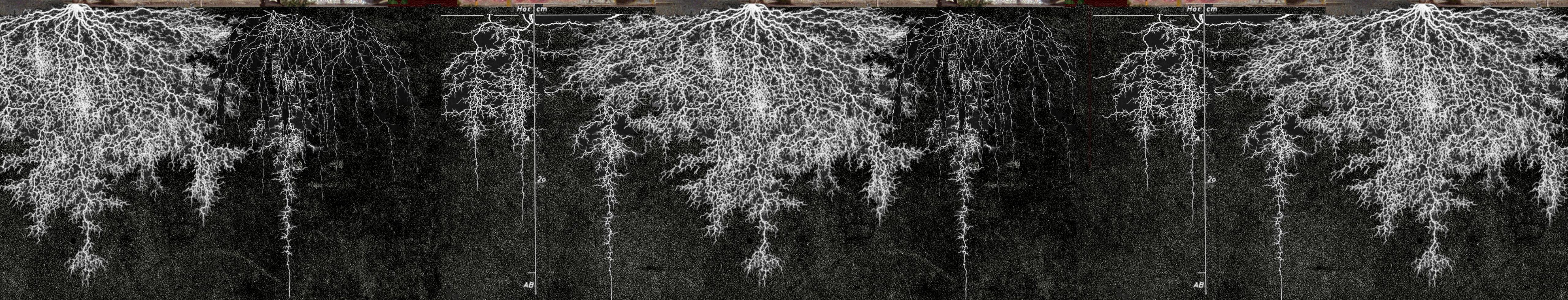




**How neglected architecture can become a framework for human and non-human life and development?**



ACCEPT THE RUIN



## Monuments according to Alois Riegl

Intentional

created to  
commemorate an  
event or person

historical

represent a specific  
phase of human  
cultural or technological  
development

age-value

which derive their  
importance from the  
visible traces of time—  
decay, wear, and  
weathering—that signal  
the artifact's age and  
longevity.





Diverse communities and strong subcultures



# Creative community and the neighborhood



## Sculpturer Steffen

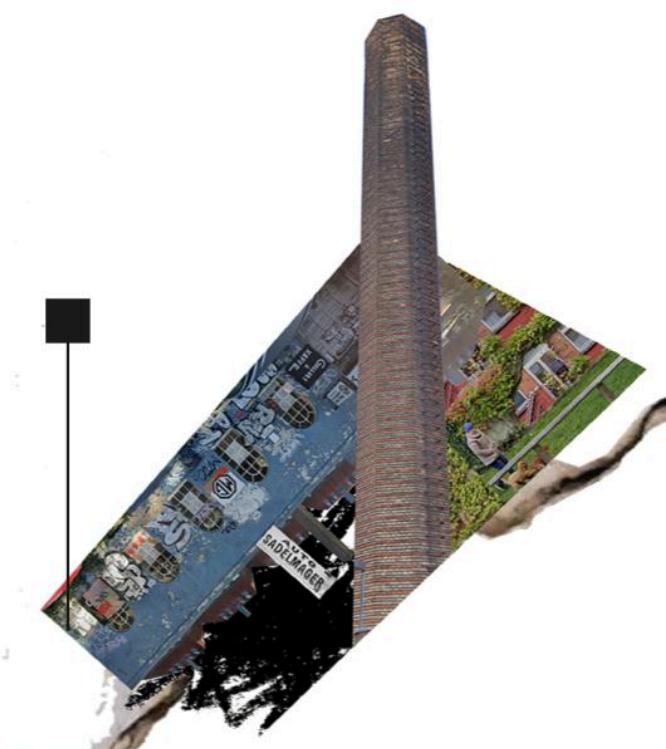


Has been working in this neighborhood for 50 years.  
Back in the day he used to create sculptures made from damaged pavement stones, which they got during the renovation of the harbor

## Architect Lars

Works on recreational spaces.

"This block is a bit of a lost area"  
"Most of the buildings are falling apart."



Family business that since 2007 attracts musicians and young people to the area. Sigurd which is now a bar and a nightclub also recently opened a restaurant and planning to become a concert hall.

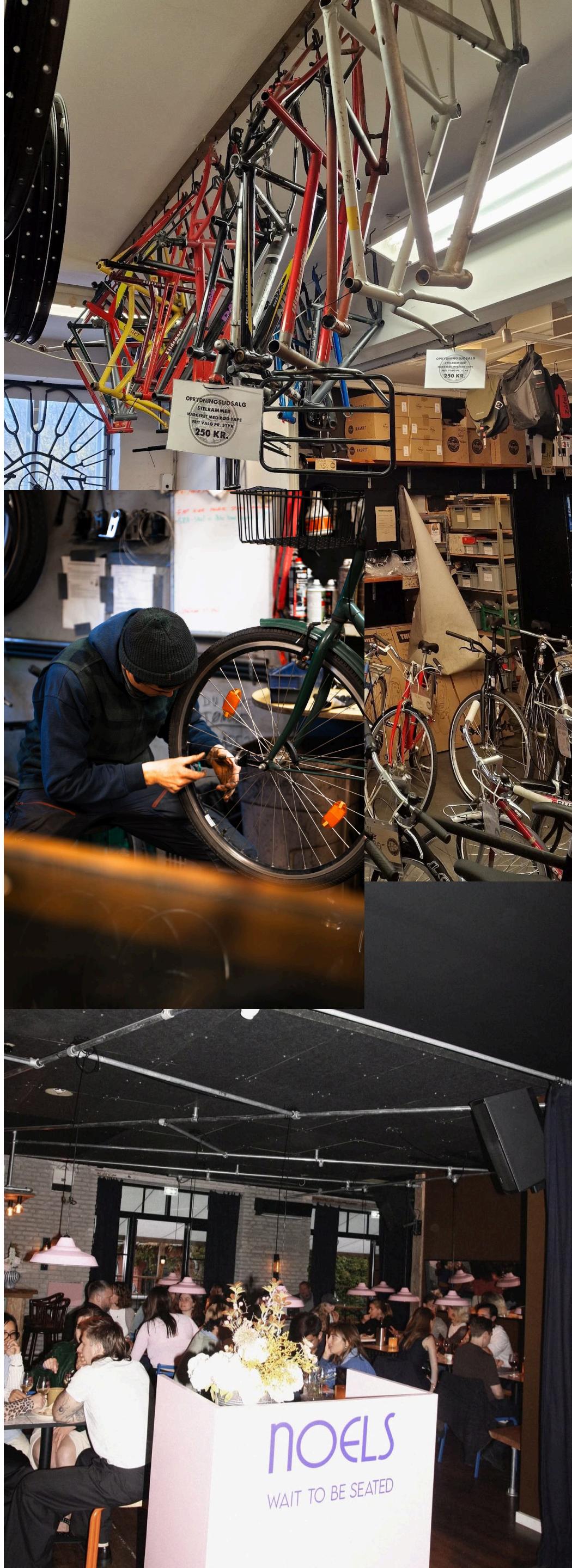
Diverse communities and strong subcultures



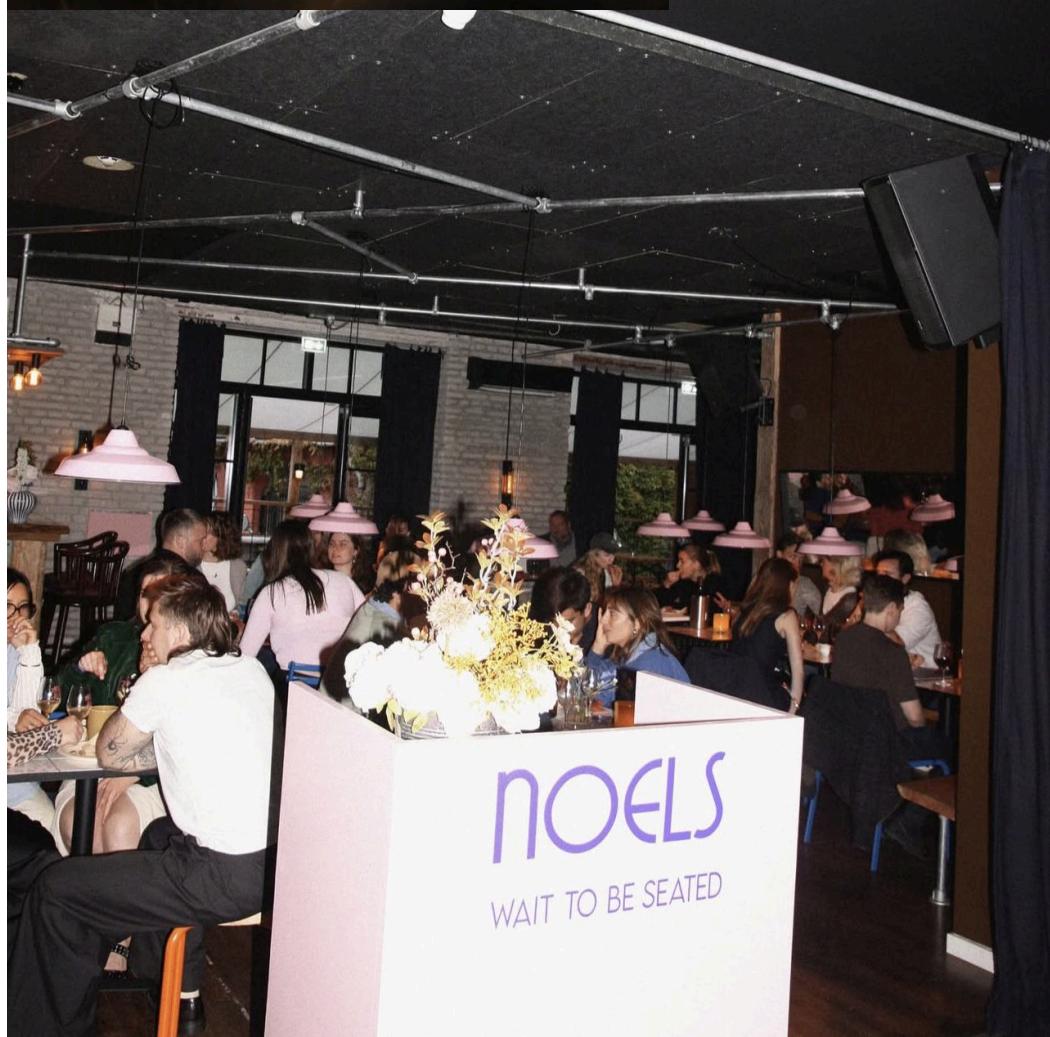
## Simon from Bike repair shop

In Budha-bikes they bring old bicycles back to life, reusing parts, fixing painting and selling for fair price.

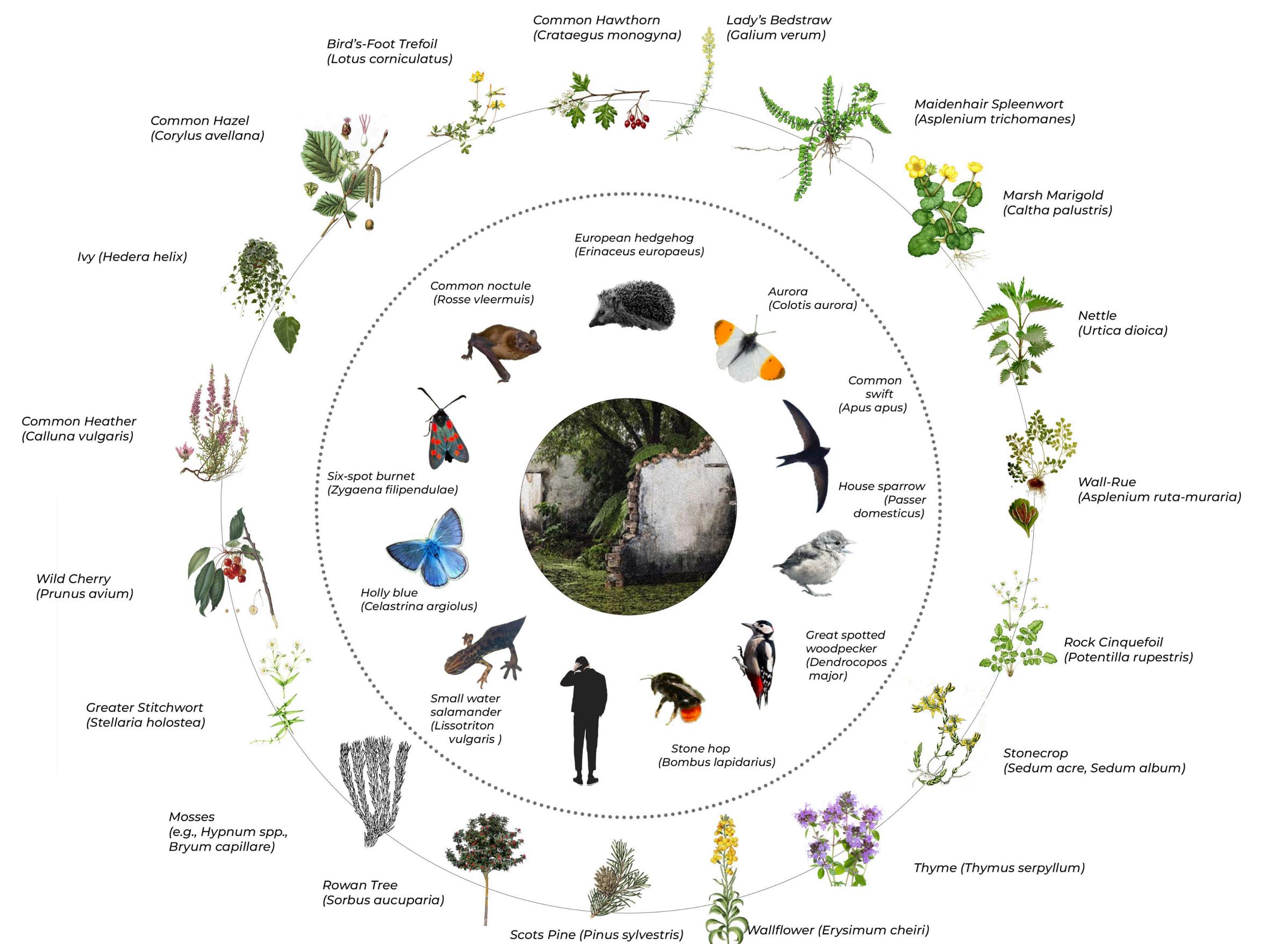
"What do we want for this area? We would be happy to have some competition! Make it more lively"



## Noel, from the Sigurd Nightclub (Family business)



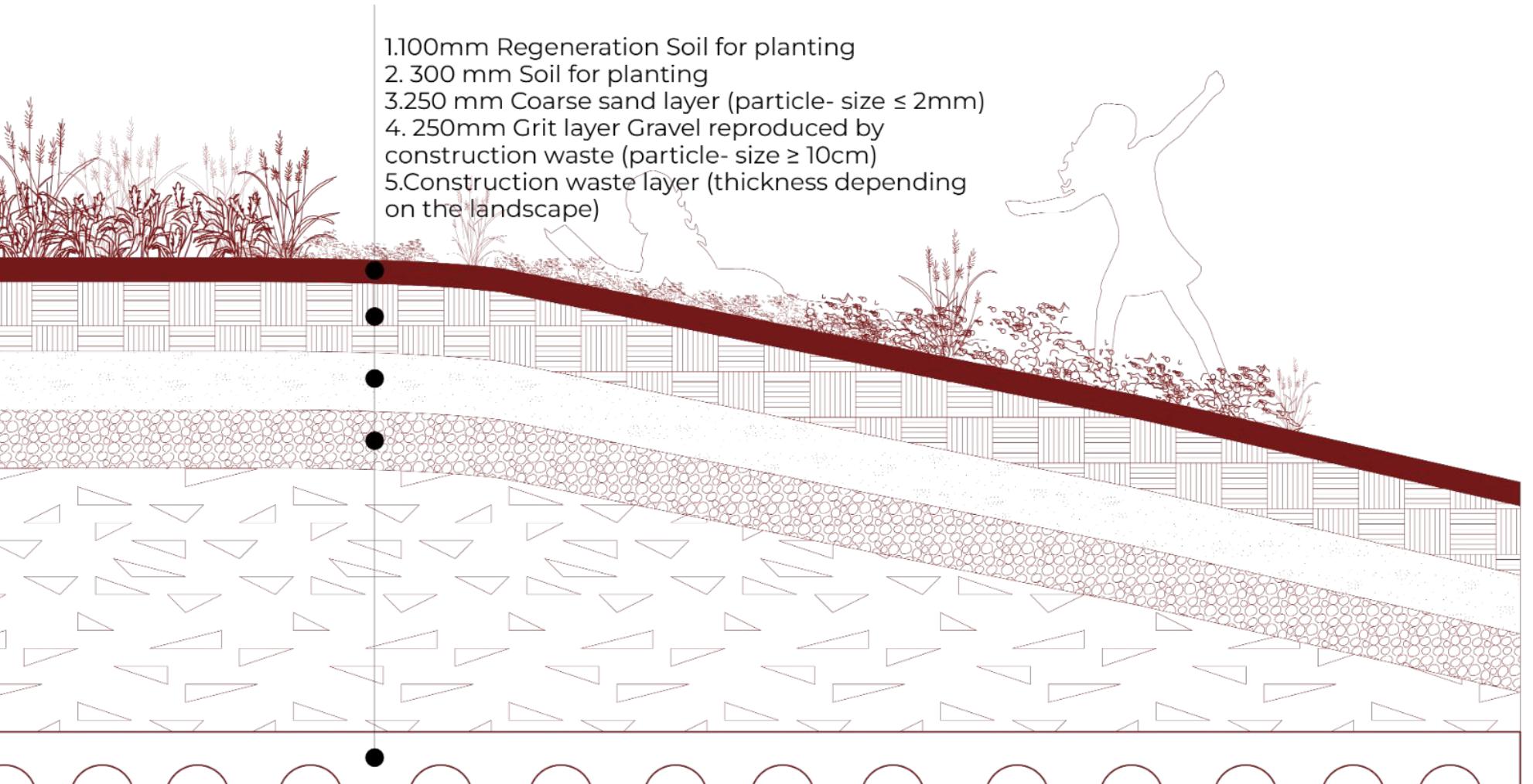
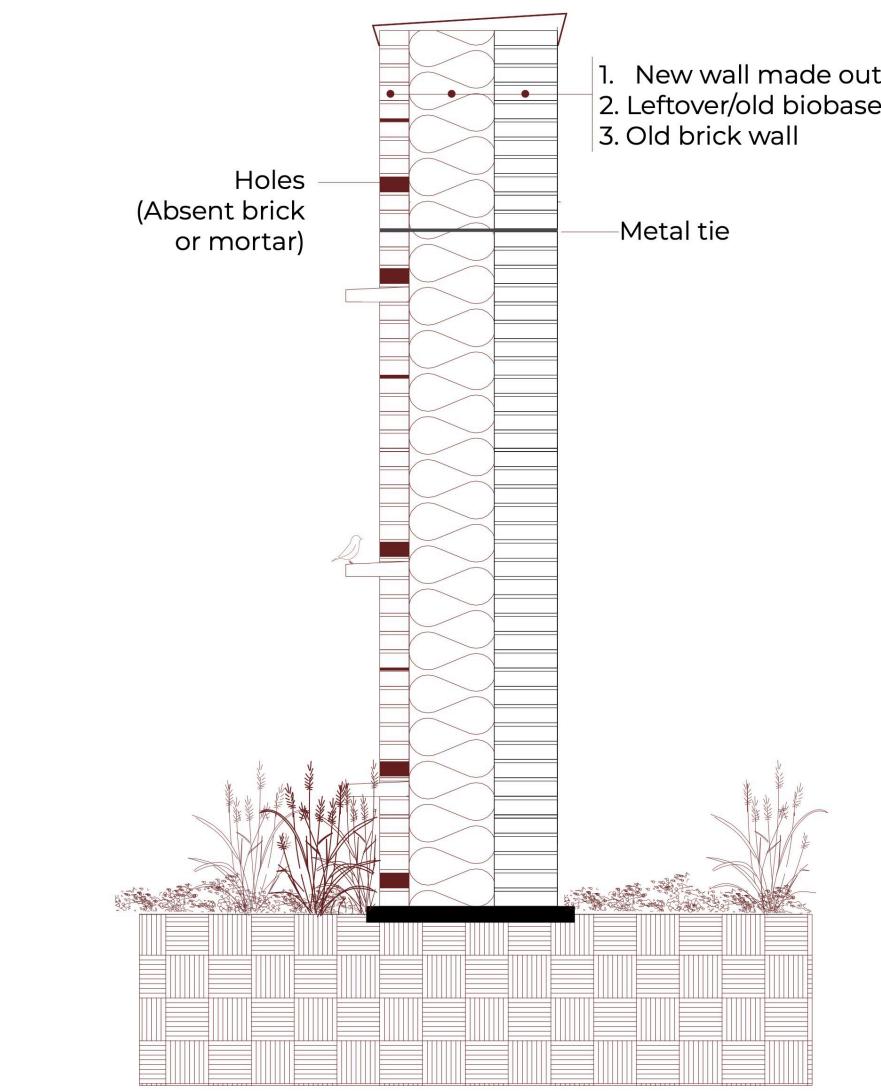
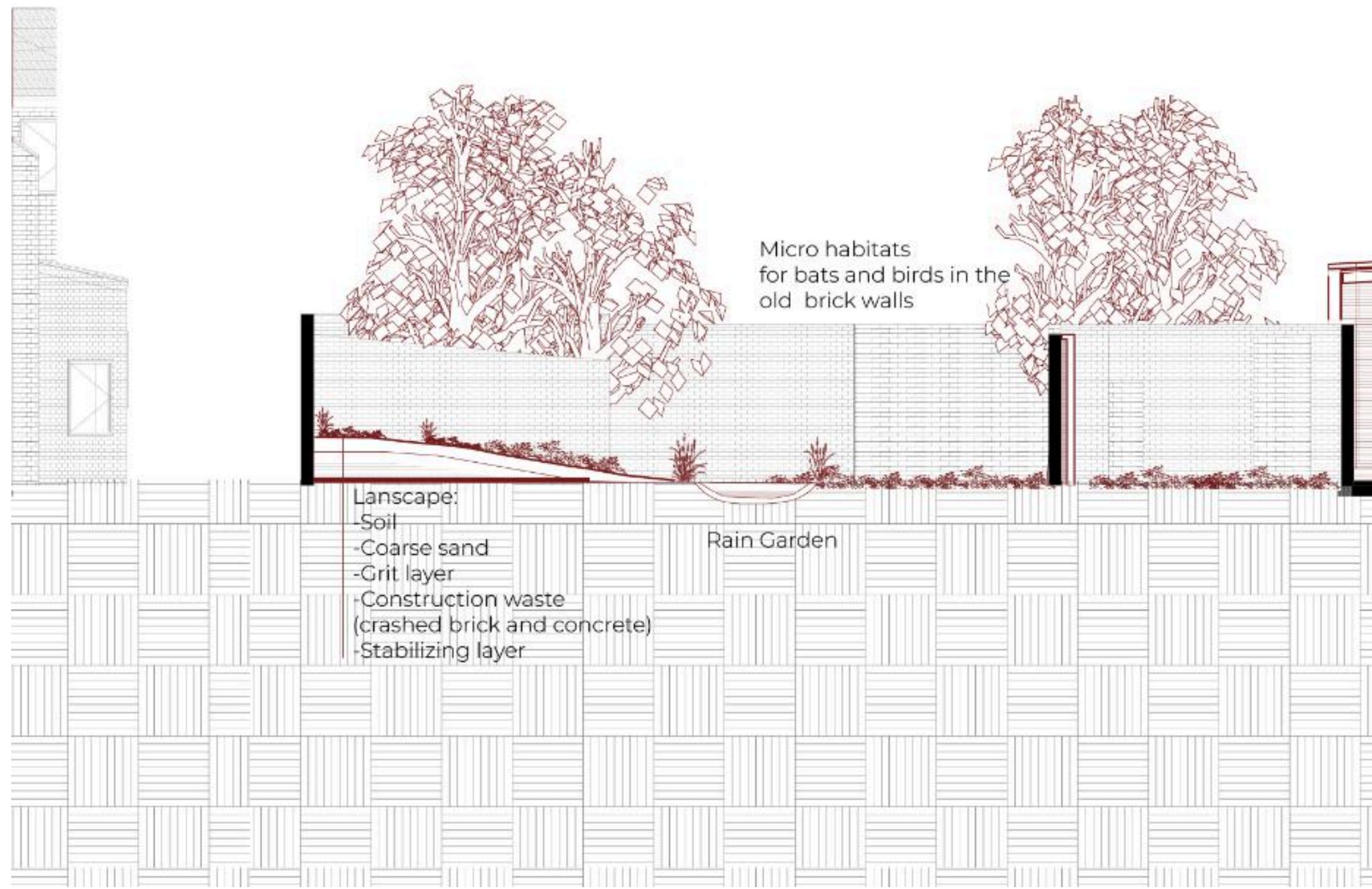




Name	Optimal growing conditions
Ivy ( <i>Hedera helix</i> )	Shade to part sun, moist fertile soil
Common Hazel ( <i>Corylus avellana</i> )	Part shade to full sun, moist, well-drained soil
Common Heather ( <i>Calluna vulgaris</i> )	Acidic, well-drained, sandy soil, full sun
Wild Cherry ( <i>Prunus avium</i> )	Well-drained fertile soil, full sun to part shade
Greater Stitchwort ( <i>Stellaria holostea</i> )	Woodland edges, moist well-drained soil, part shade
Mosses (e.g., <i>Hypnum spp.</i> , <i>Bryum capillare</i> )	Moist, shaded, humid environments
Rowan Tree ( <i>Sorbus aucuparia</i> )	Well-drained, slightly acidic soil, full sun to part shade
Bird's-Foot Trefoil ( <i>Lotus corniculatus</i> )	Poor, dry, well-drained soils, full sun
Common Hawthorn ( <i>Crataegus monogyna</i> )	Various soils, sun to partial shade
Lady's Bedstraw ( <i>Galium verum</i> )	Dry, well-drained calcareous soils, full sun
Maidenhair Spleenwort ( <i>Asplenium trichomanes</i> )	Shady, moist rocky crevices
Marsh Marigold ( <i>Caltha palustris</i> )	Wetlands, pond edges, rich wet soil, full sun
Nettle ( <i>Urtica dioica</i> )	Fertile, nitrogen-rich, moist soil, sun to partial shade
Wall-Rue ( <i>Asplenium ruta-muraria</i> )	Walls, rock crevices, partial shade
Rock Cinquefoil ( <i>Potentilla rupestris</i> )	Dry, rocky, calcareous soils, full sun
Dry, rocky, calcareous soils, full sun	Dry, poor, stony soils, full sun
Thyme ( <i>Thymus serpyllum</i> )	Dry, sandy, well-drained soils, full sun
Wallflower ( <i>Erysimum cheiri</i> )	Well-drained soils, full sun

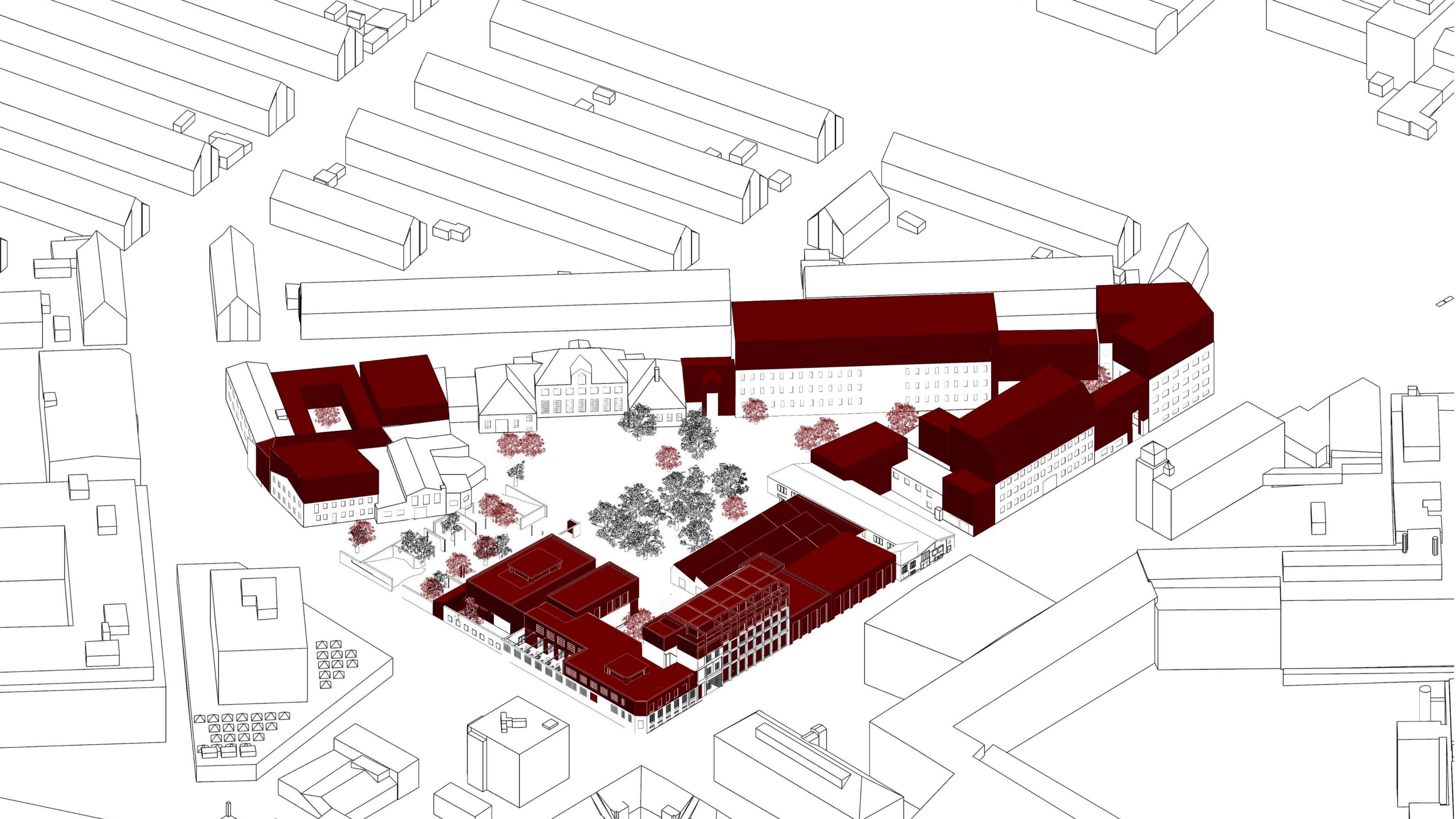
Name	Natural Habitat	City/Ruingarden Habitat
European hedgehog ( <i>Erinaceus europaeus</i> )	Woodlands, hedgerows, grasslands	Dense ground vegetation, log piles, leaf litter in garden corners
Common noctule ( <i>Nyctalus noctula</i> )	Forest edges, old trees with cavities	Crevice in old walls, special nest spaces in walls
Six-spot burnet ( <i>Zygaena filipendulae</i> )	Meadows, grasslands, wildflower-rich habitats	Sunny wildflower patches, meadows in ruingarden
Holly blue ( <i>Celastrina argiolus</i> )	Woodland edges, hedgerows, gardens	Ivy-covered walls, flowering shrubs
Small water salamander ( <i>Lissotriton vulgaris</i> )	Ponds, wetlands, moist meadows	Raingarden
Aurora ( <i>Colotis aurora</i> ) (actually should be Orange-tip: <i>Anthocharis cardamines</i> )	Damp meadows, woodland edges	Flower beds, moisture-retentive flower patches
Common swift ( <i>Apus apus</i> )	Open air, cliffs, old buildings	Nesting in wall crevices, special nest spaces in walls
House sparrow ( <i>Passer domesticus</i> )	Farmland, hedges, human settlements	Special nest spaces in walls, climbing plants on walls
Great spotted woodpecker ( <i>Dendrocopos major</i> )	Mature forests, old trees	Large old trees left standing
Stone hop ( <i>Bombus lapidarius</i> )	Meadows, grasslands, field margins	Flower-rich borders, old stone piles, ground cavities



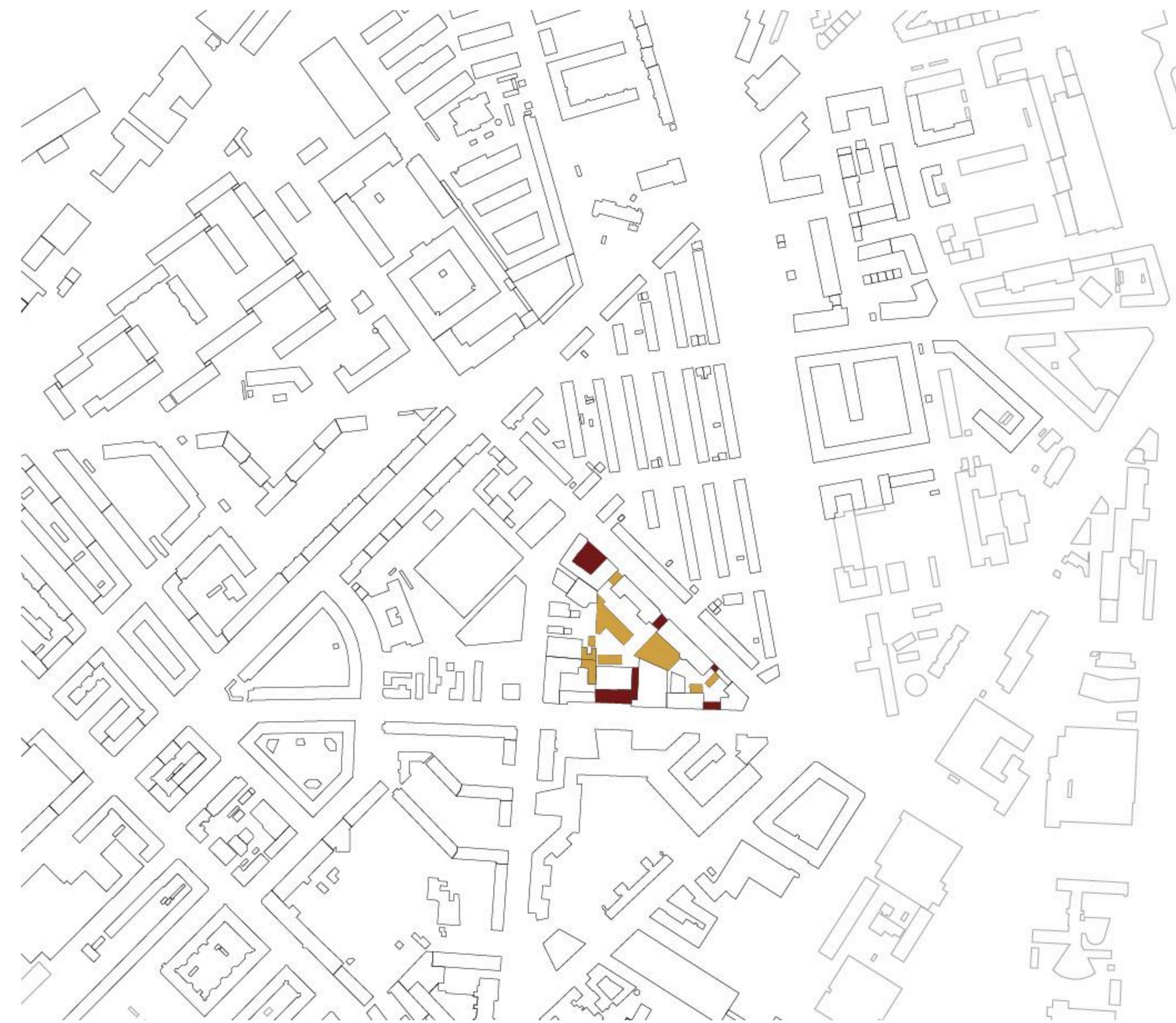


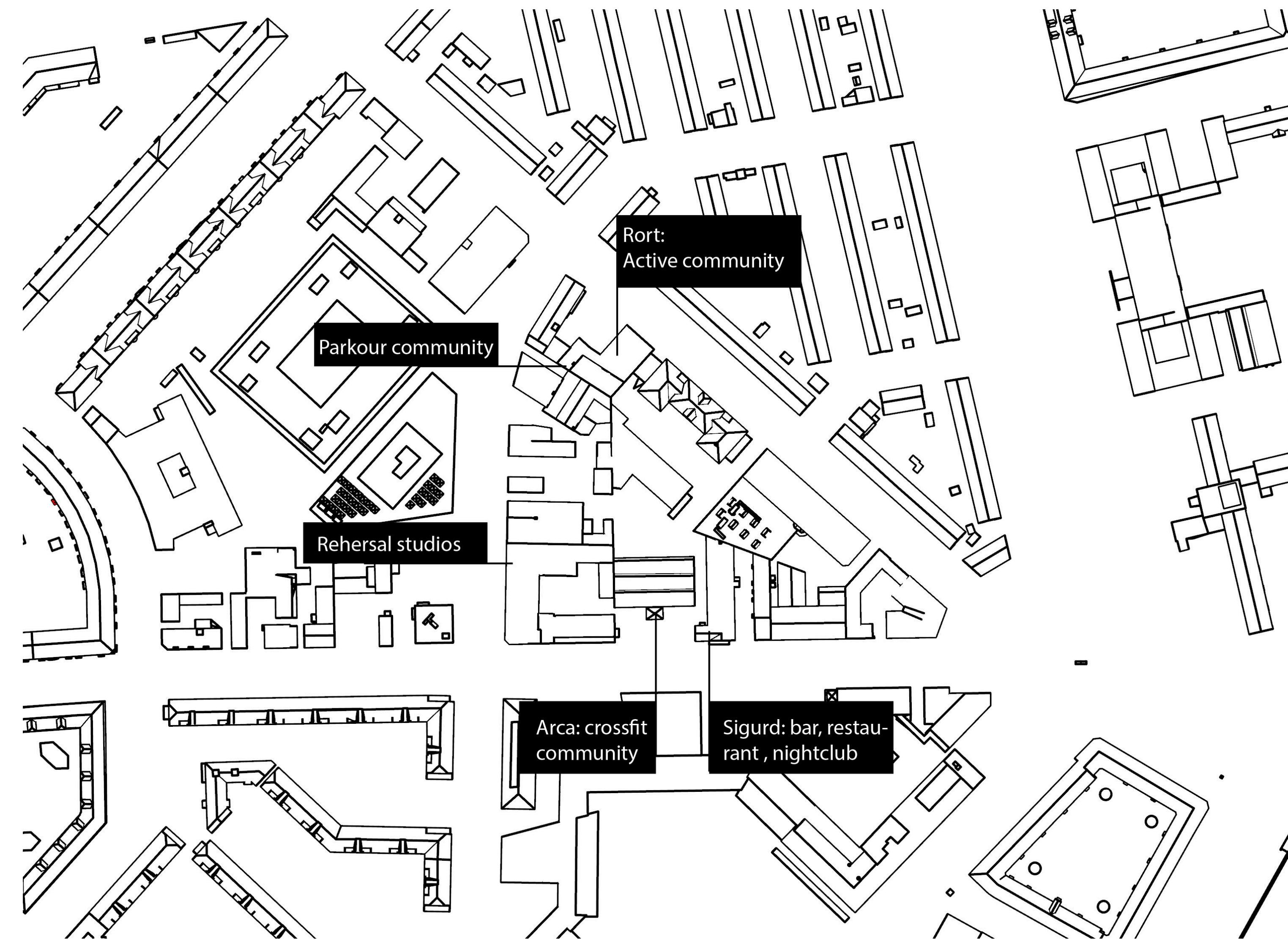


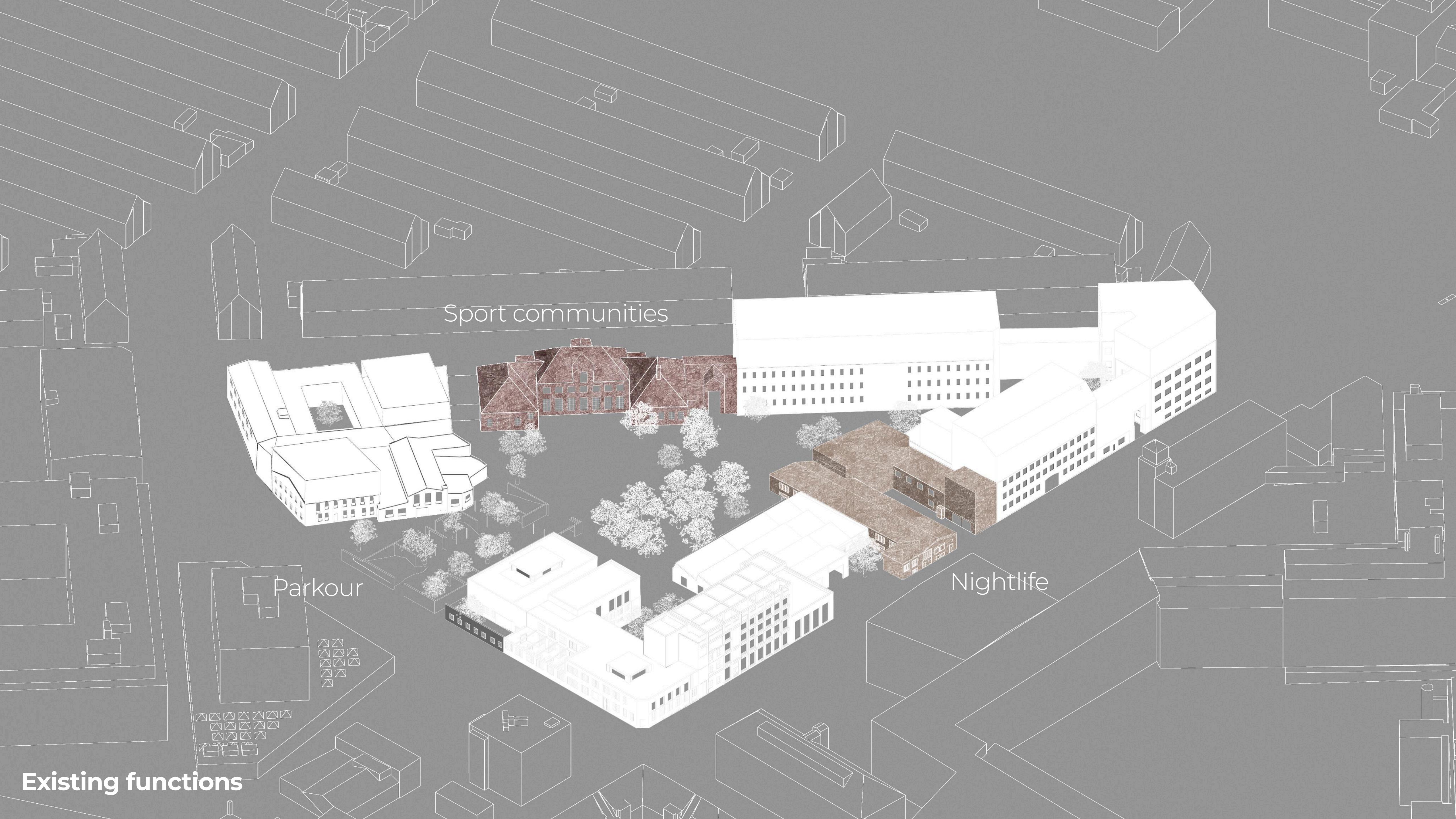
MAINTAIN CONTINUITY









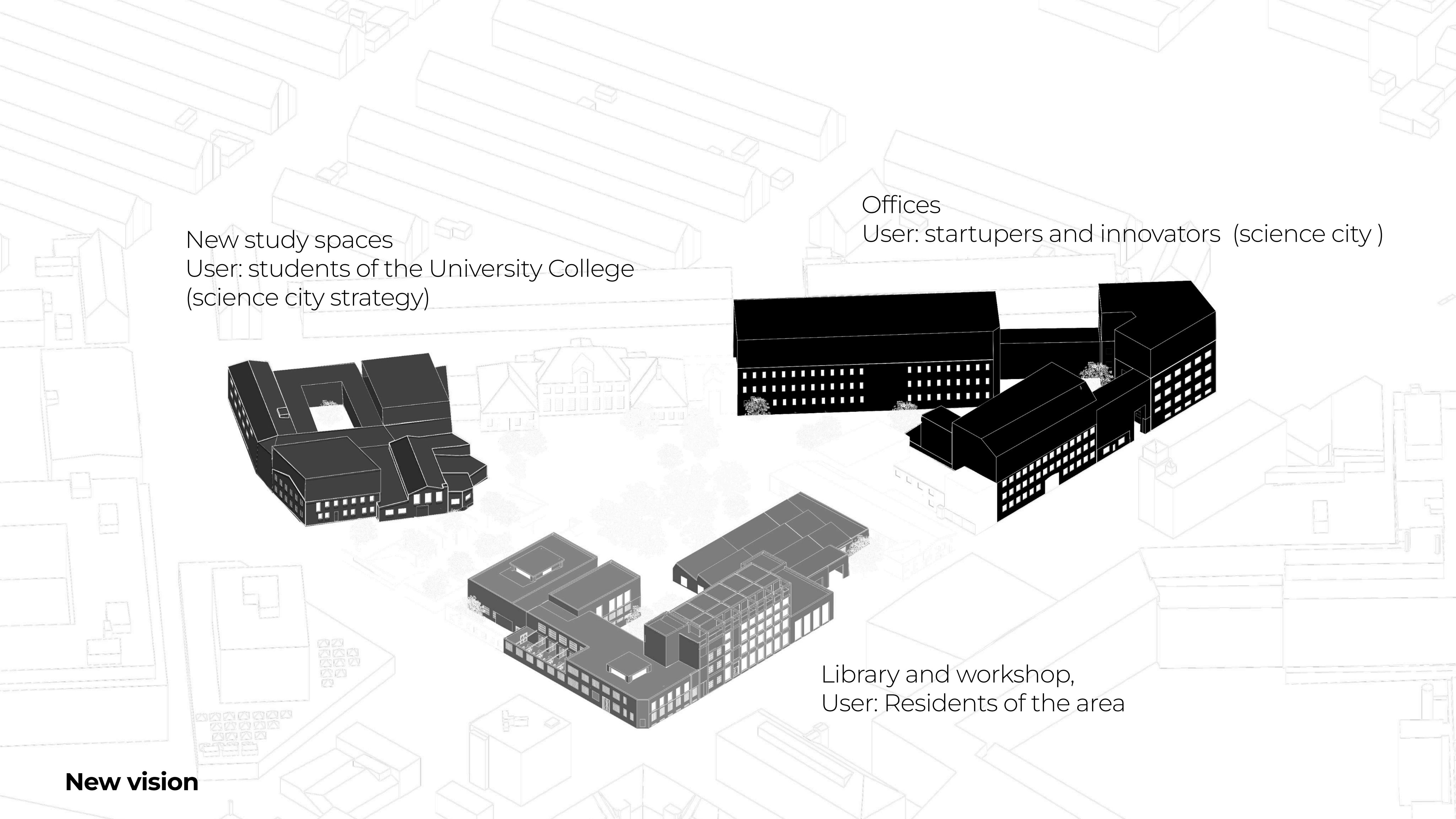


**Existing functions**

Sport communities

Parkour

Nightlife

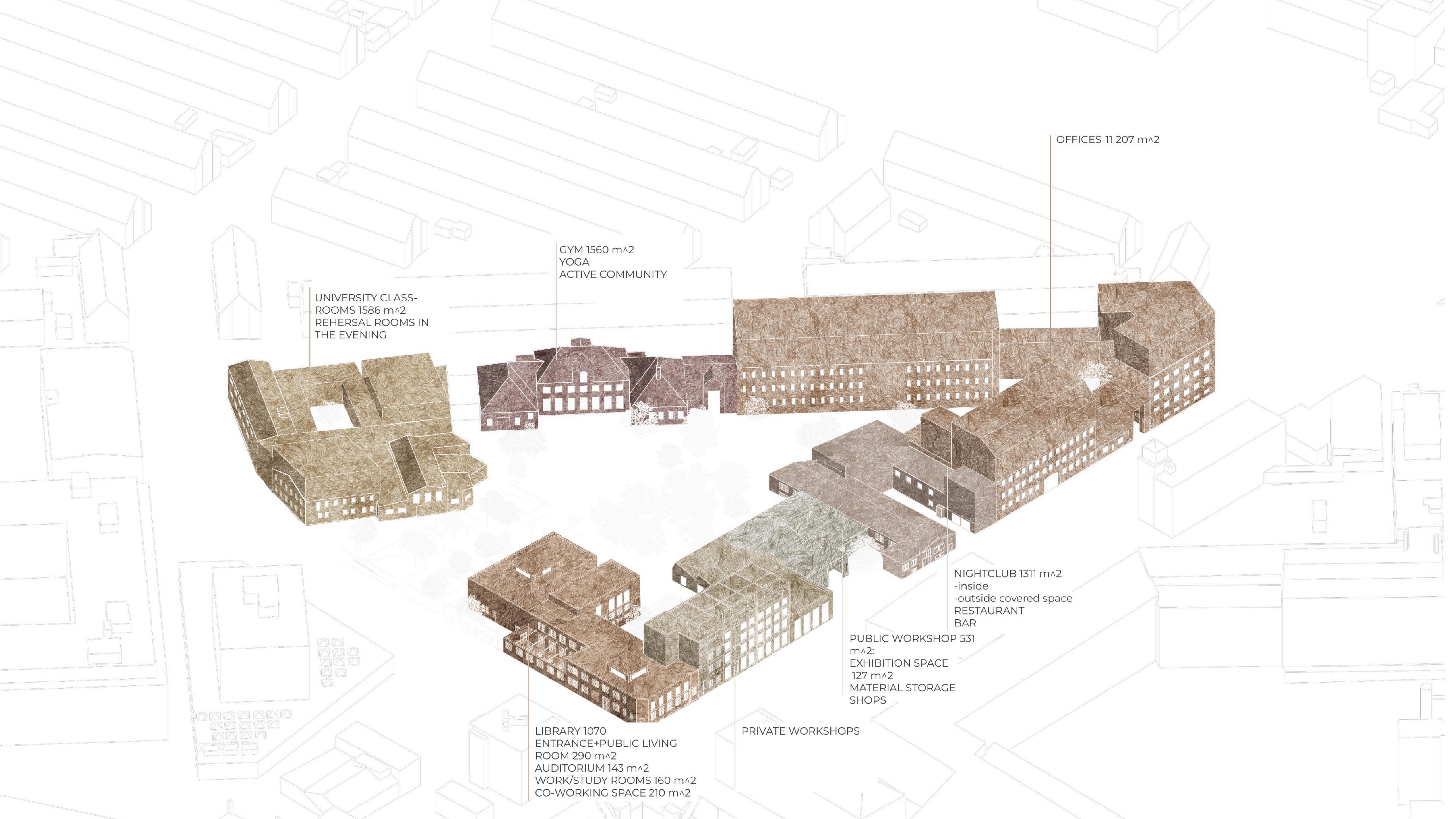


New study spaces  
User: students of the University College  
(science city strategy)

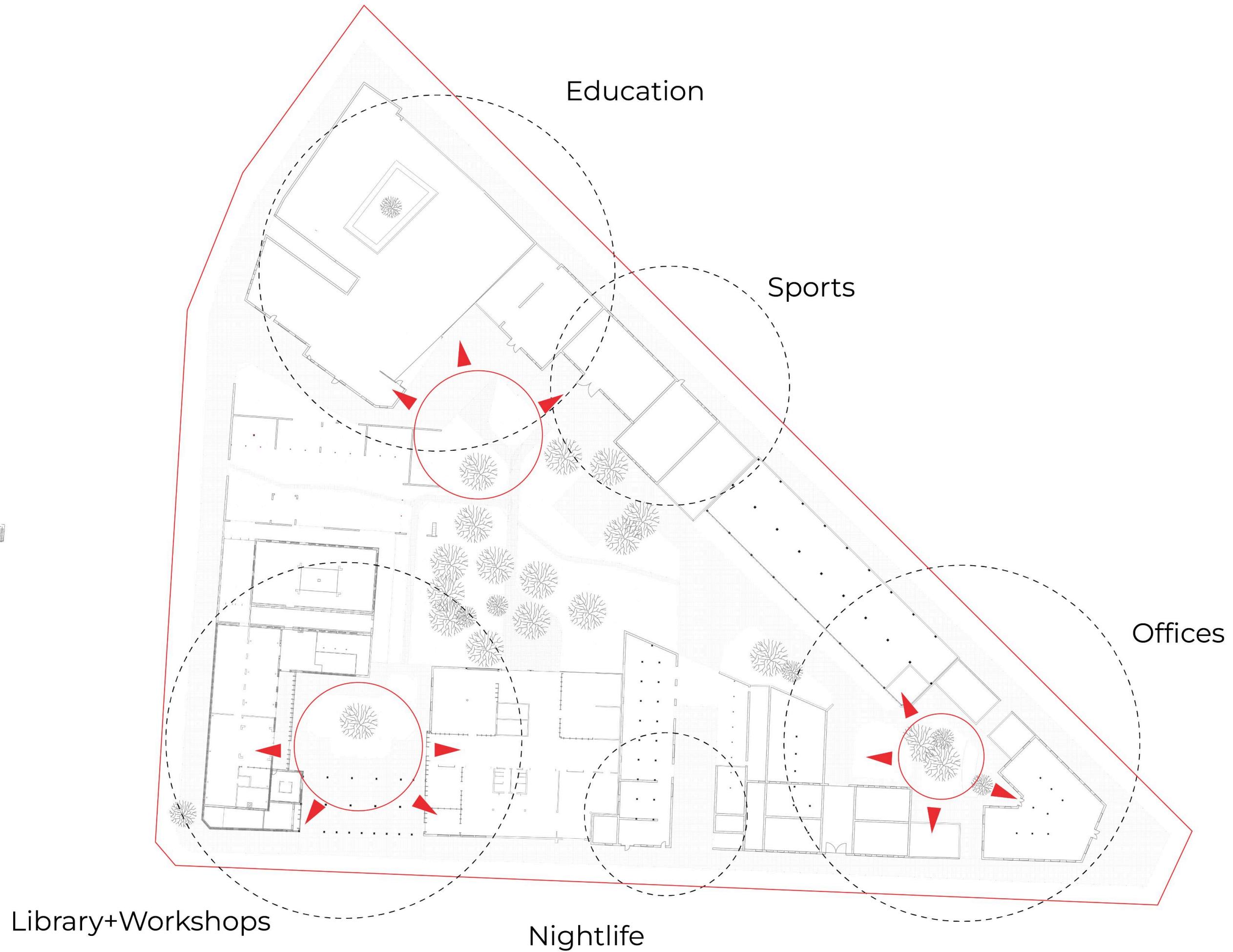
Offices  
User: startupers and innovators (science city)

Library and workshop,  
User: Residents of the area

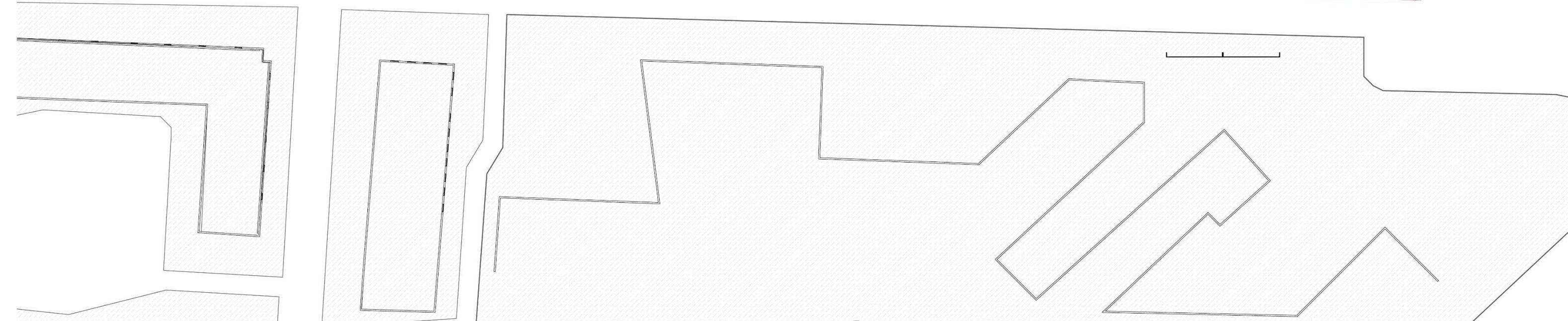
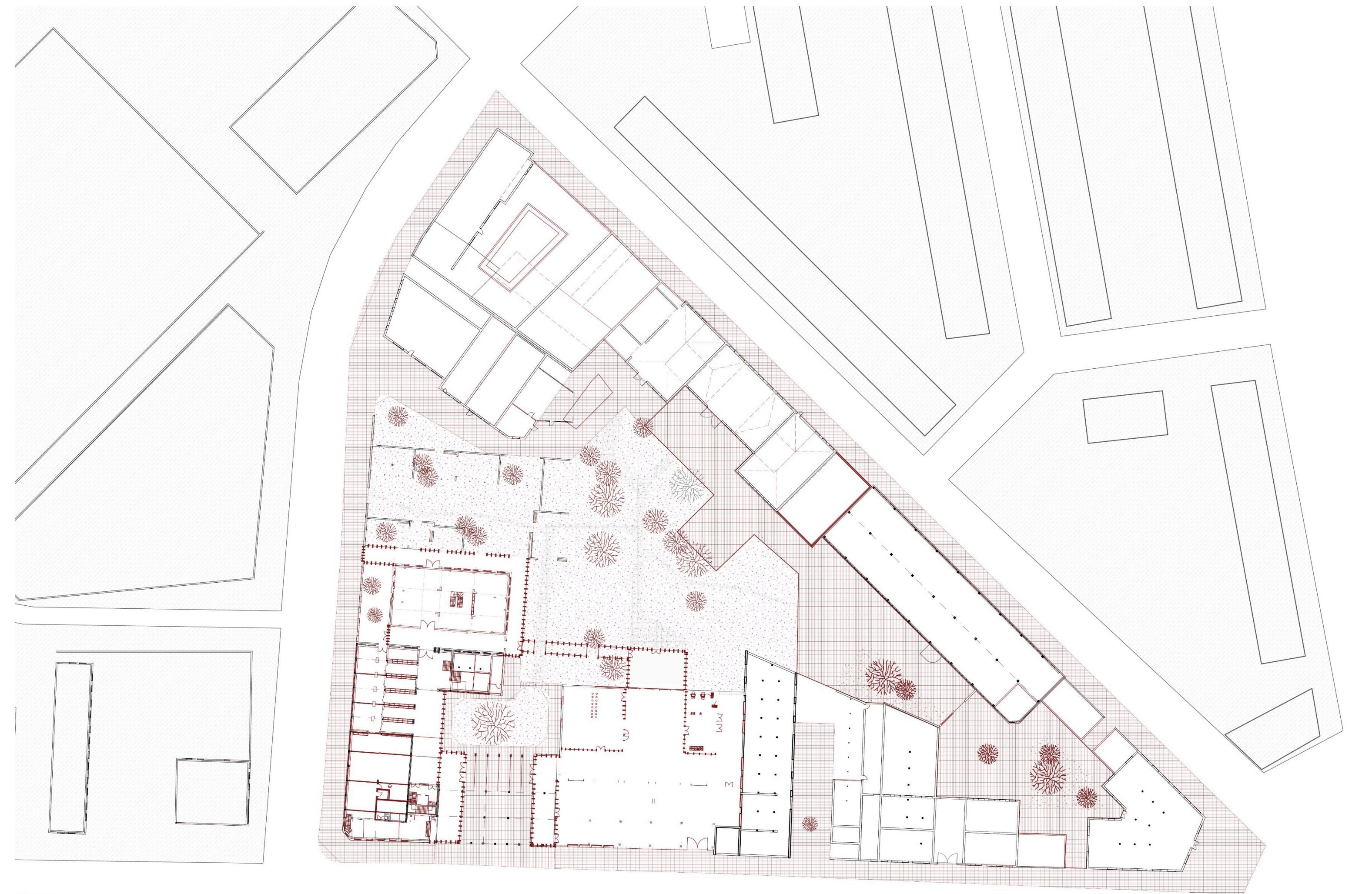
**New vision**









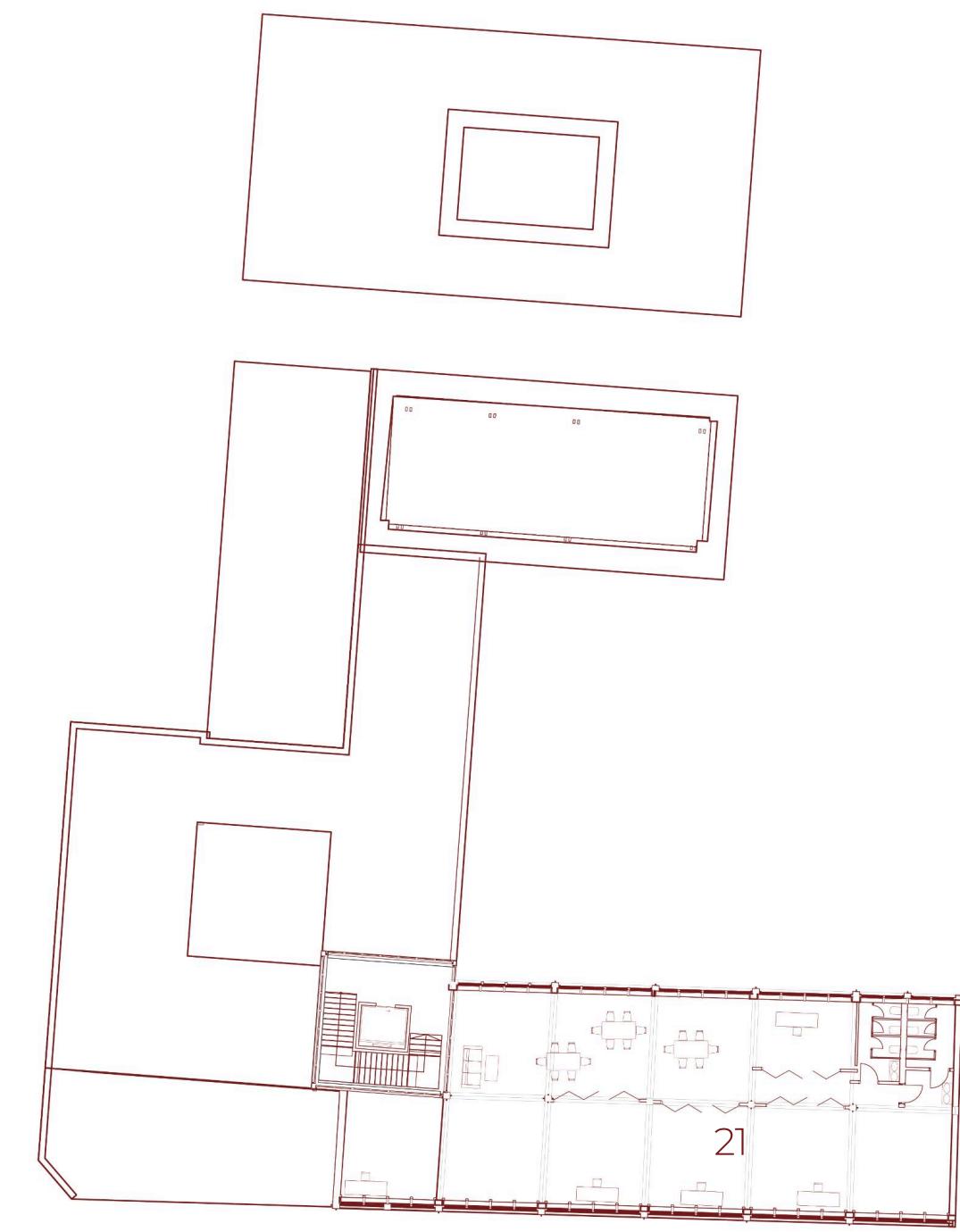
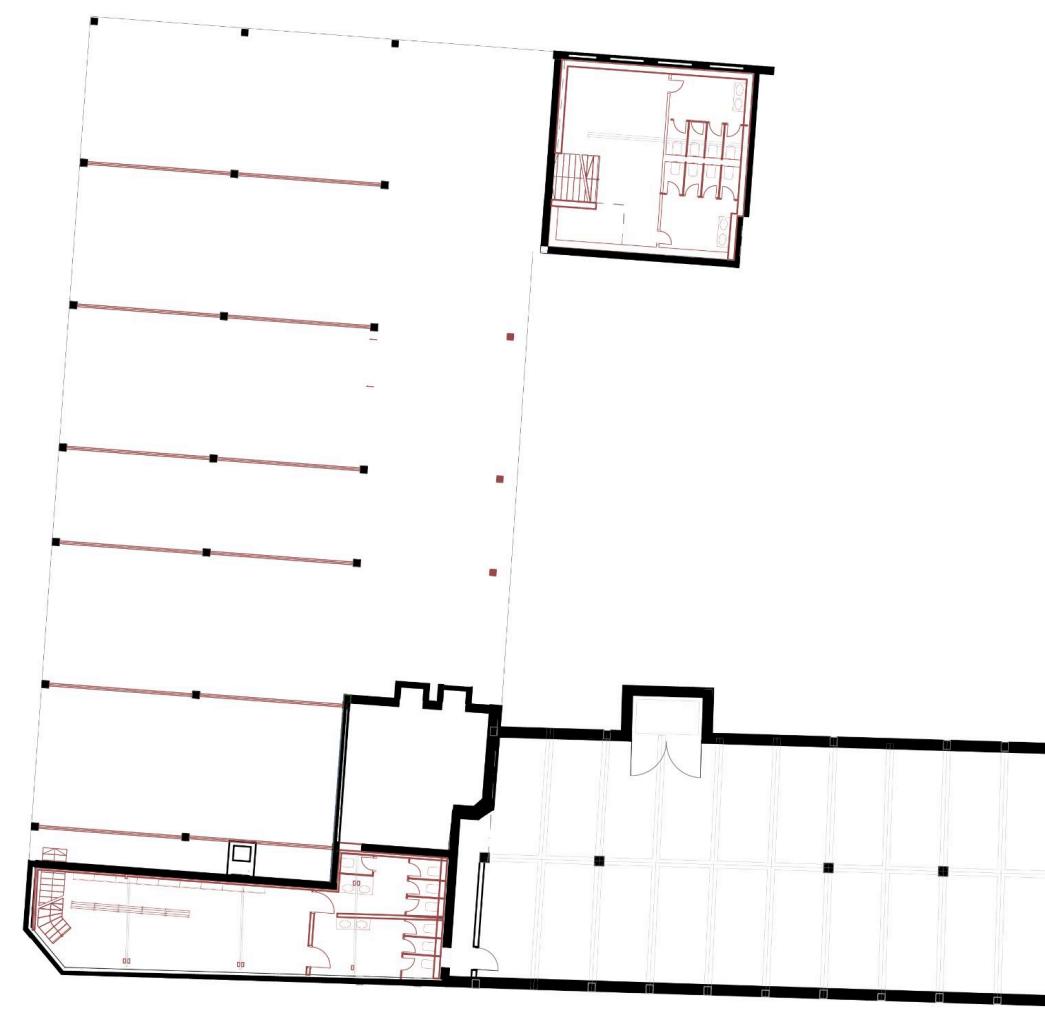


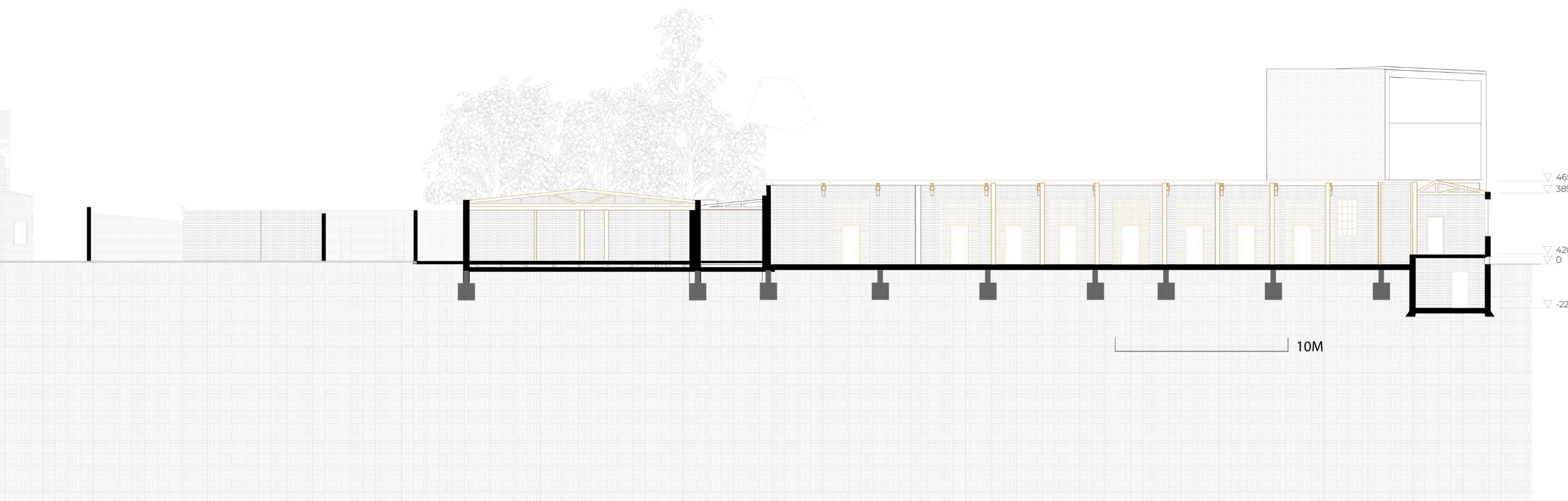
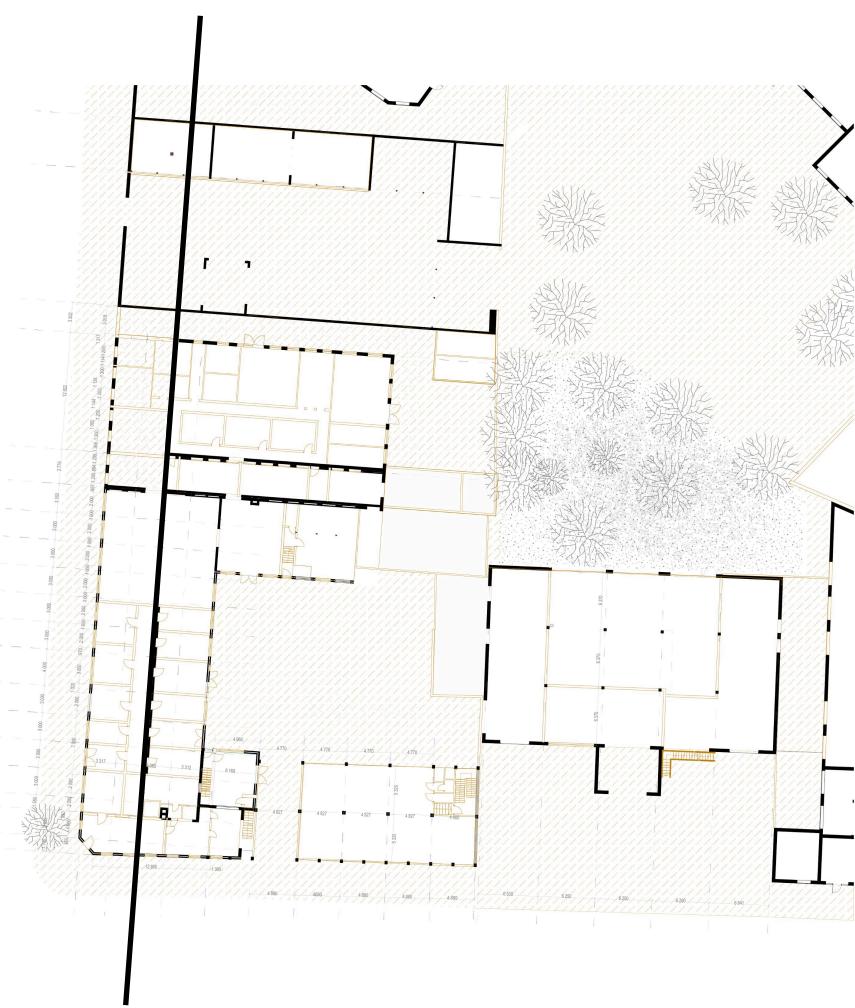


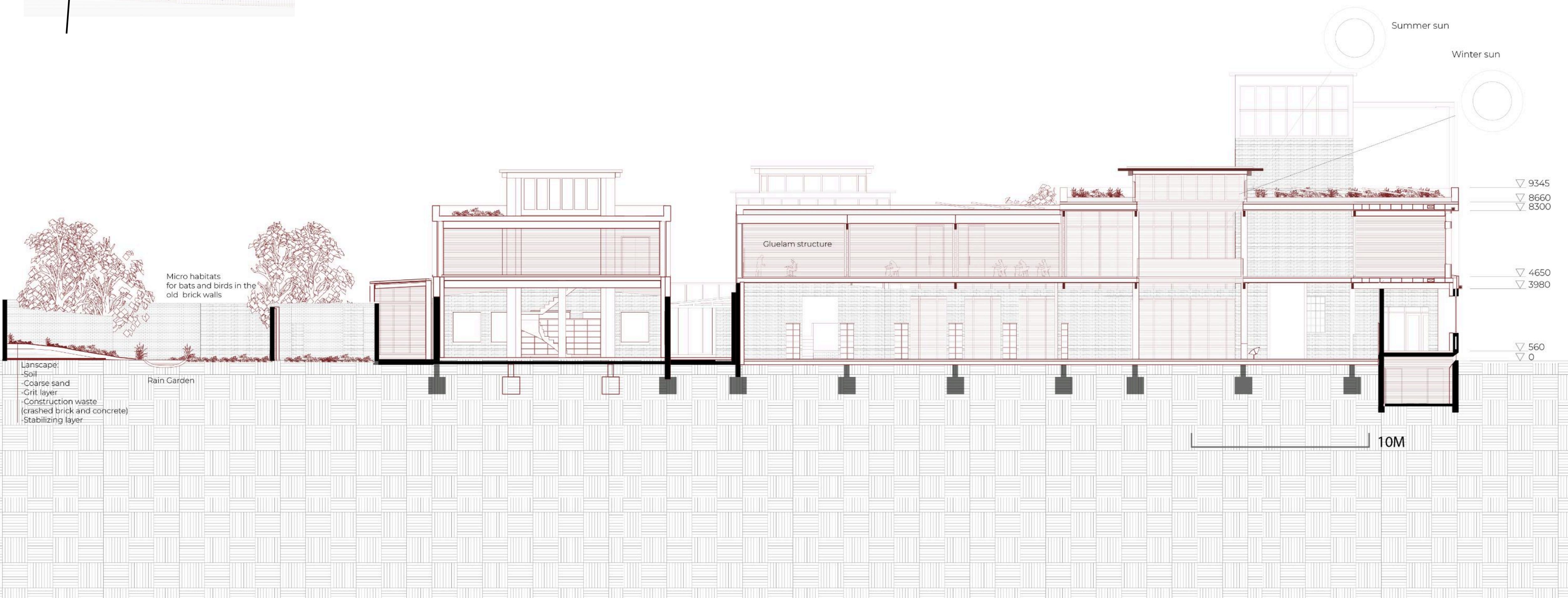
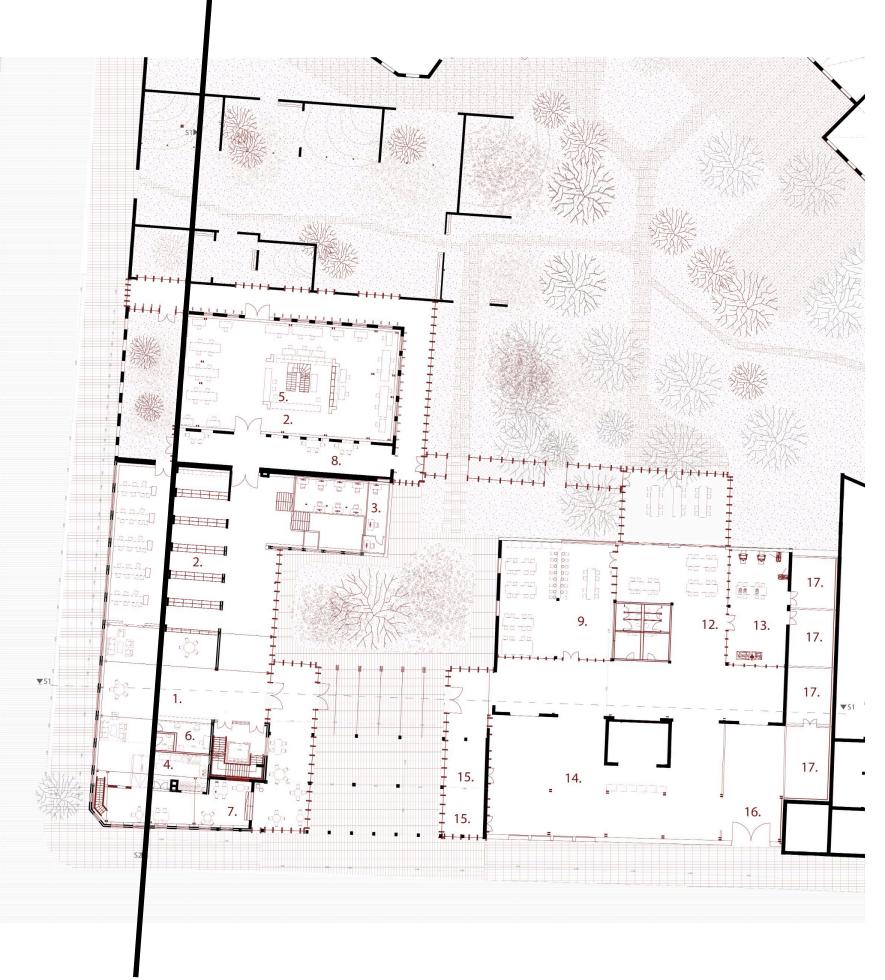


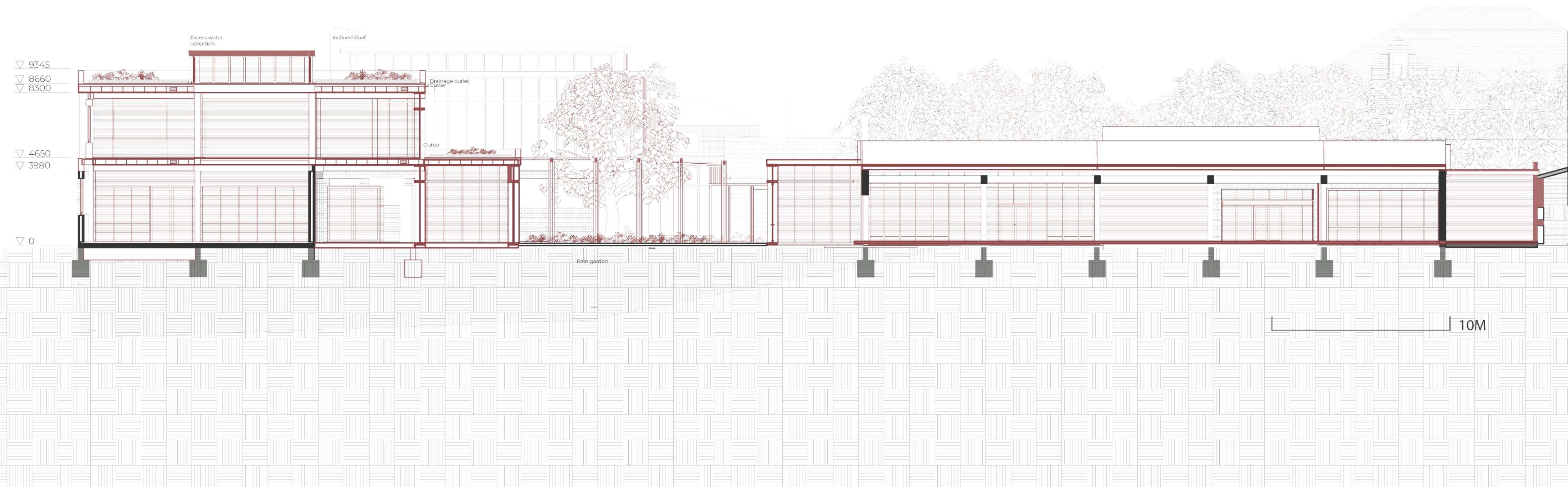
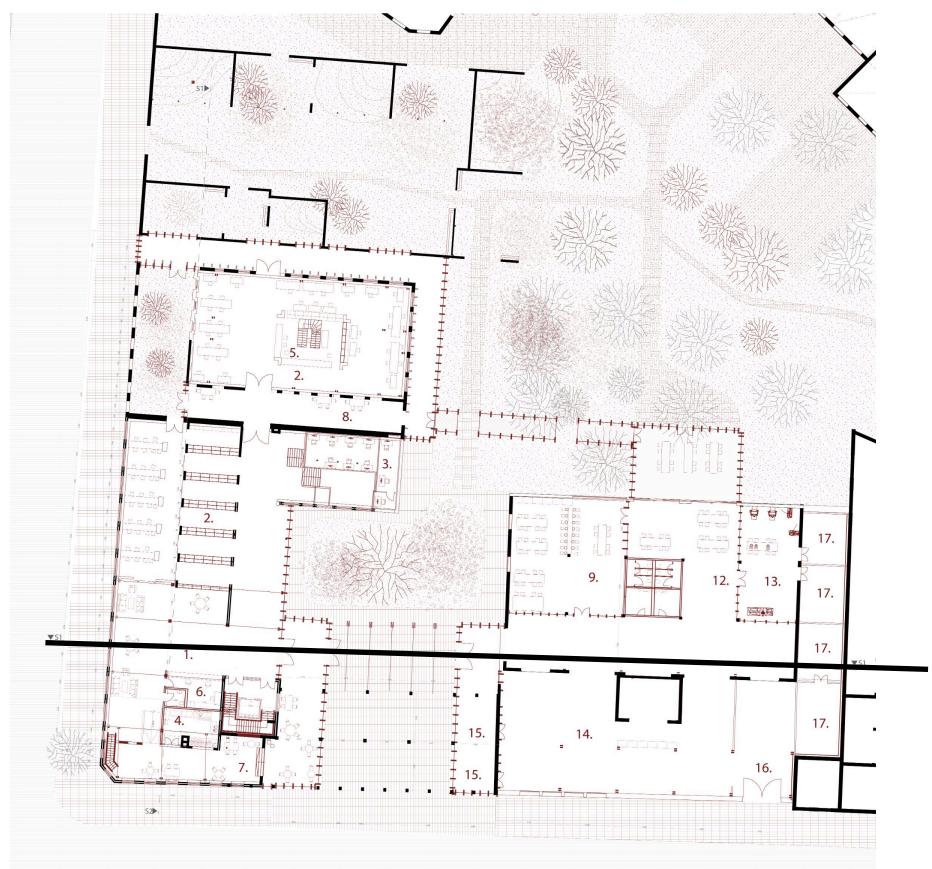


- 1. Public living room
- 2. Library
- 3. Computer room
- 4. Small cafe Kitchen
- 5. Library reception
- 6. Entrance reception
- 7. Cafe
- 8. Break room with coffee corner
- 9. Clay workshop
- 10. Class rooms
- 11. Co-working space
- 12. Wood workshop
- 13. Room with machines to work with wood
- 14. Exhibition and event space
- 15. Shops to sell and buy crafts
- 16. Entrance for materials
- 17. Storage
- 18. Auditorium
- 19. Archive
- 20. Offices
- 21. (Semi-) Private workshops



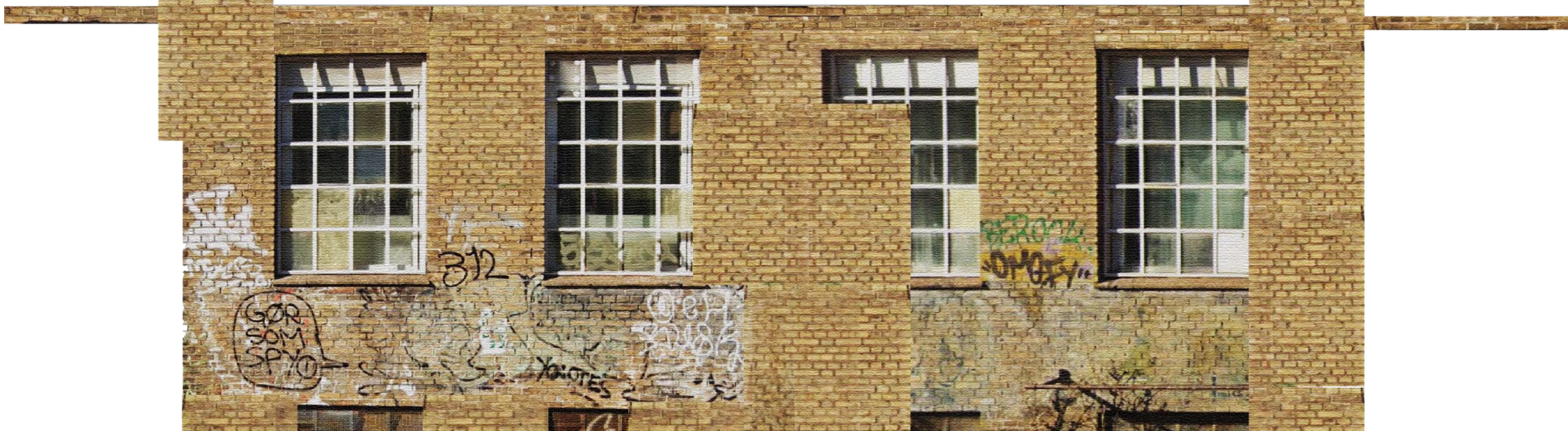


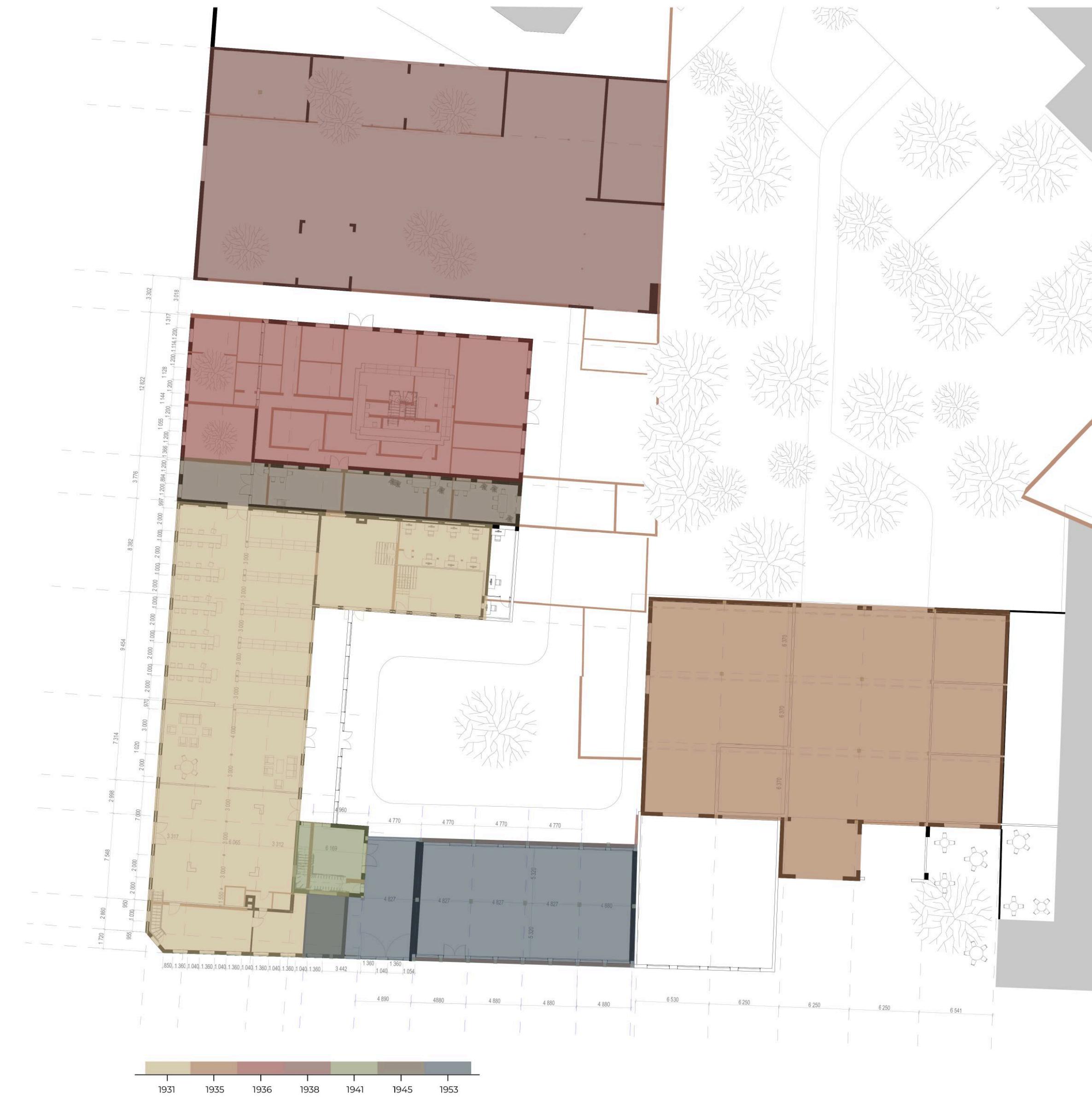




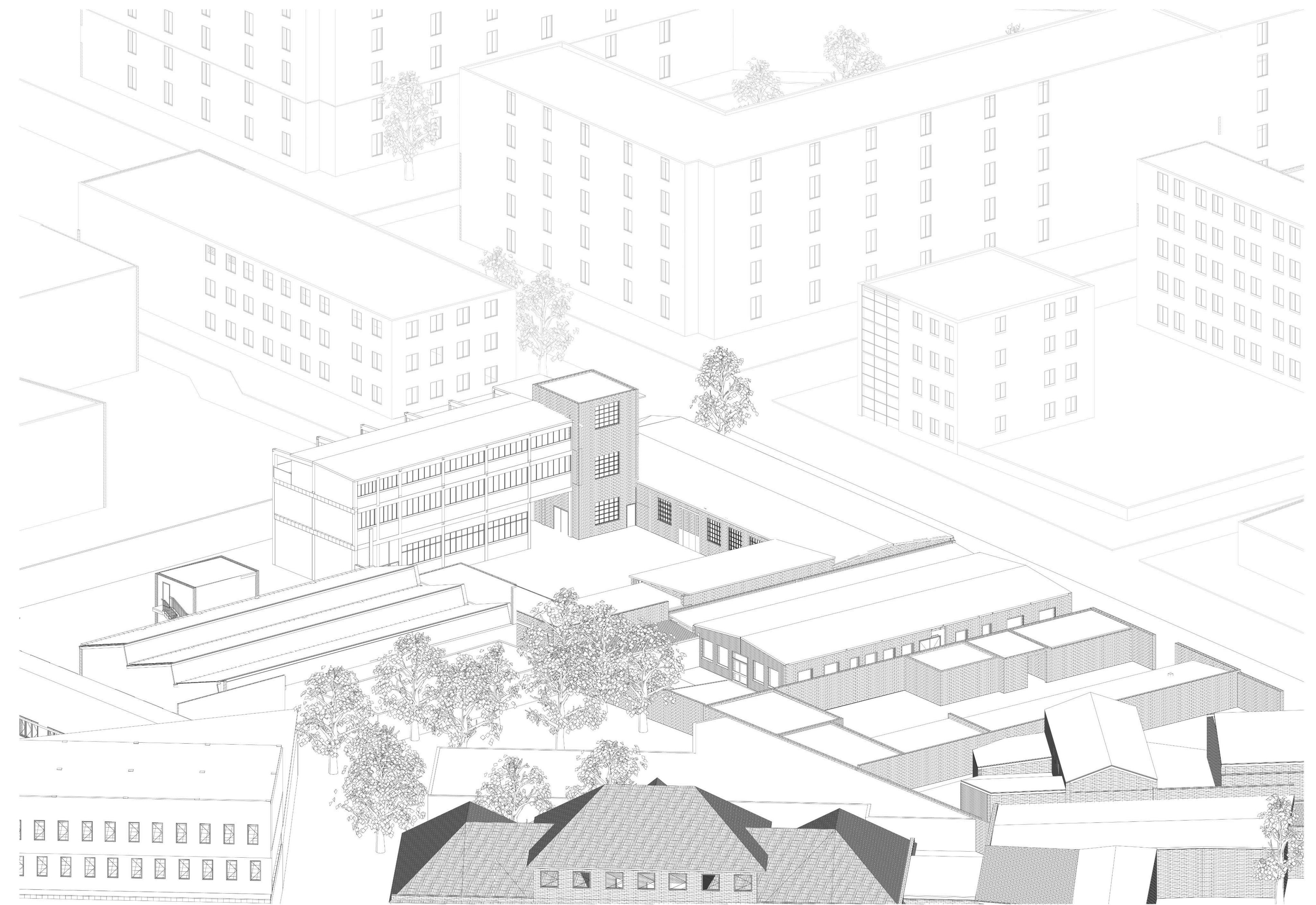


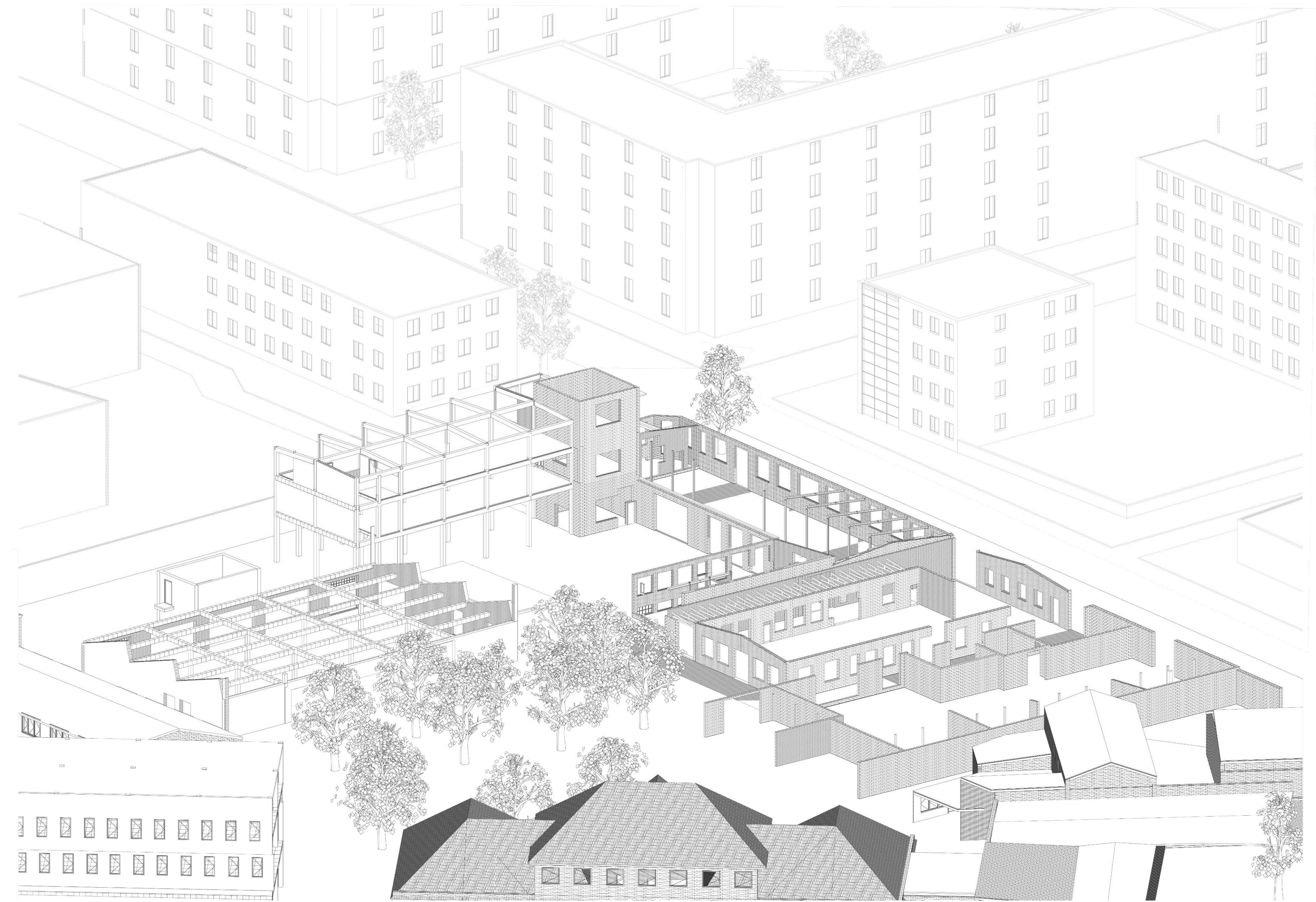
EMBRACE A FRAGMENT

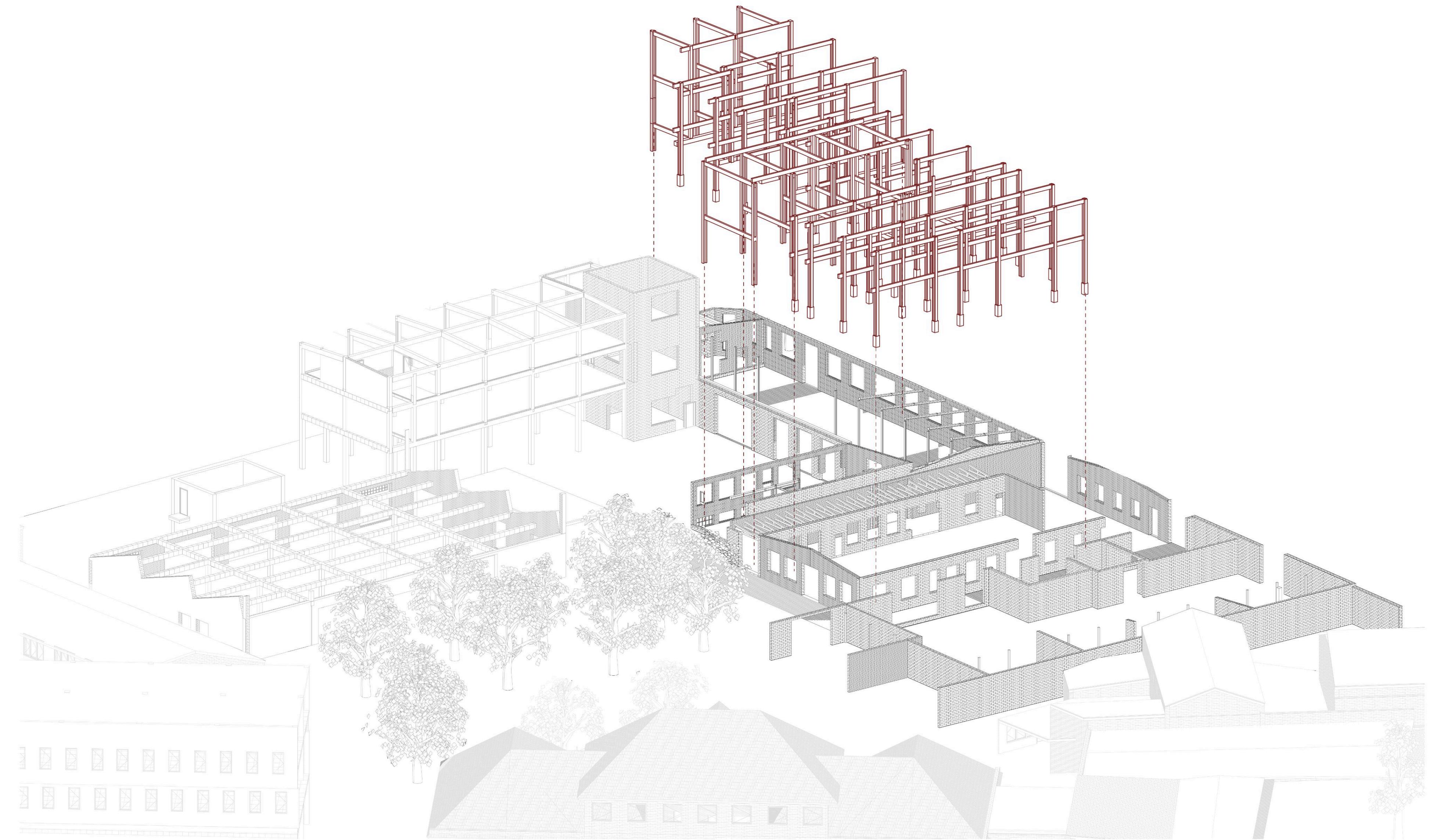


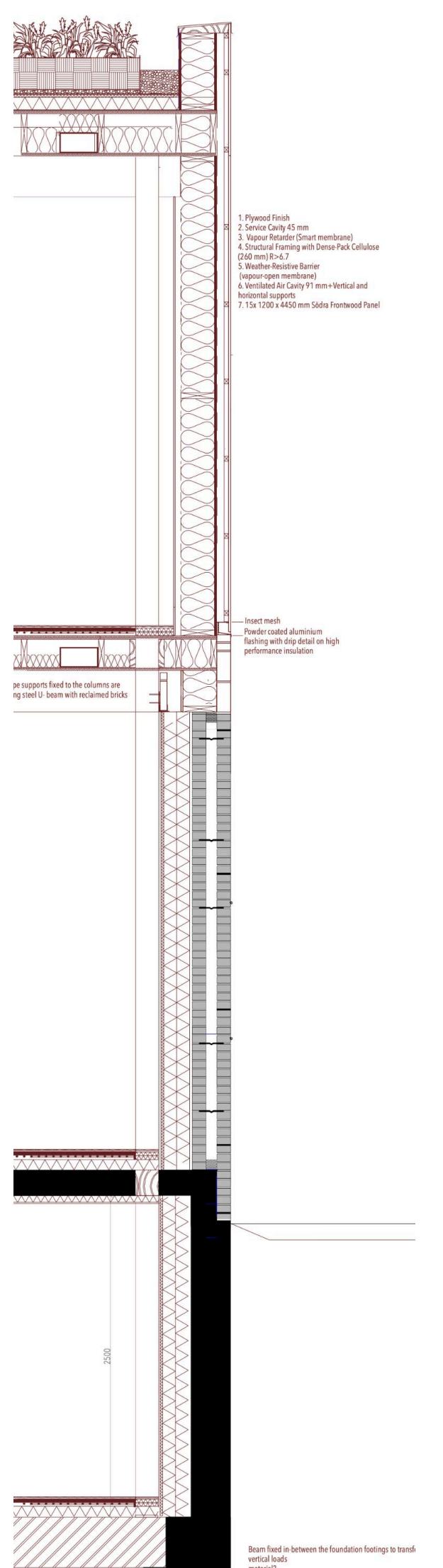
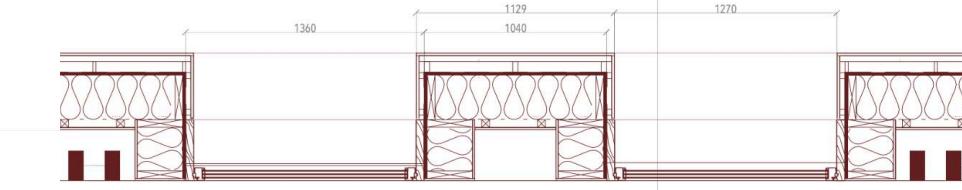
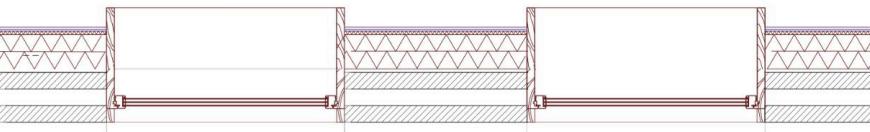
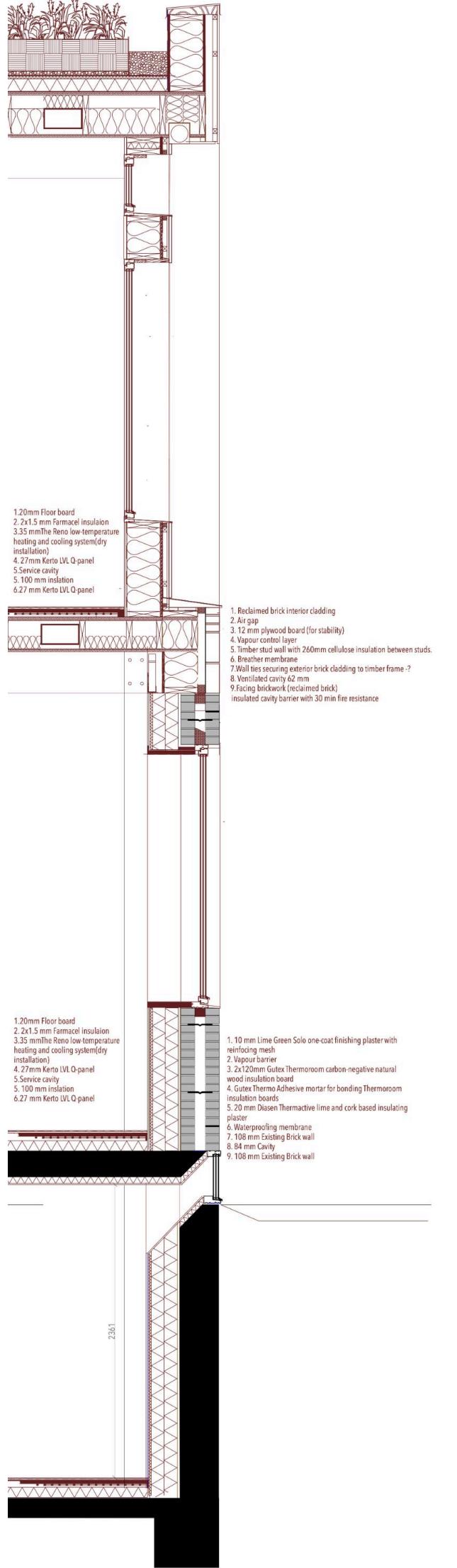
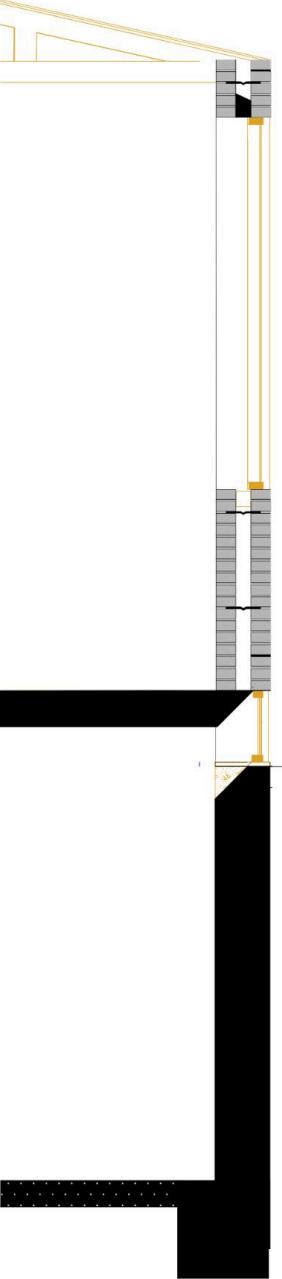


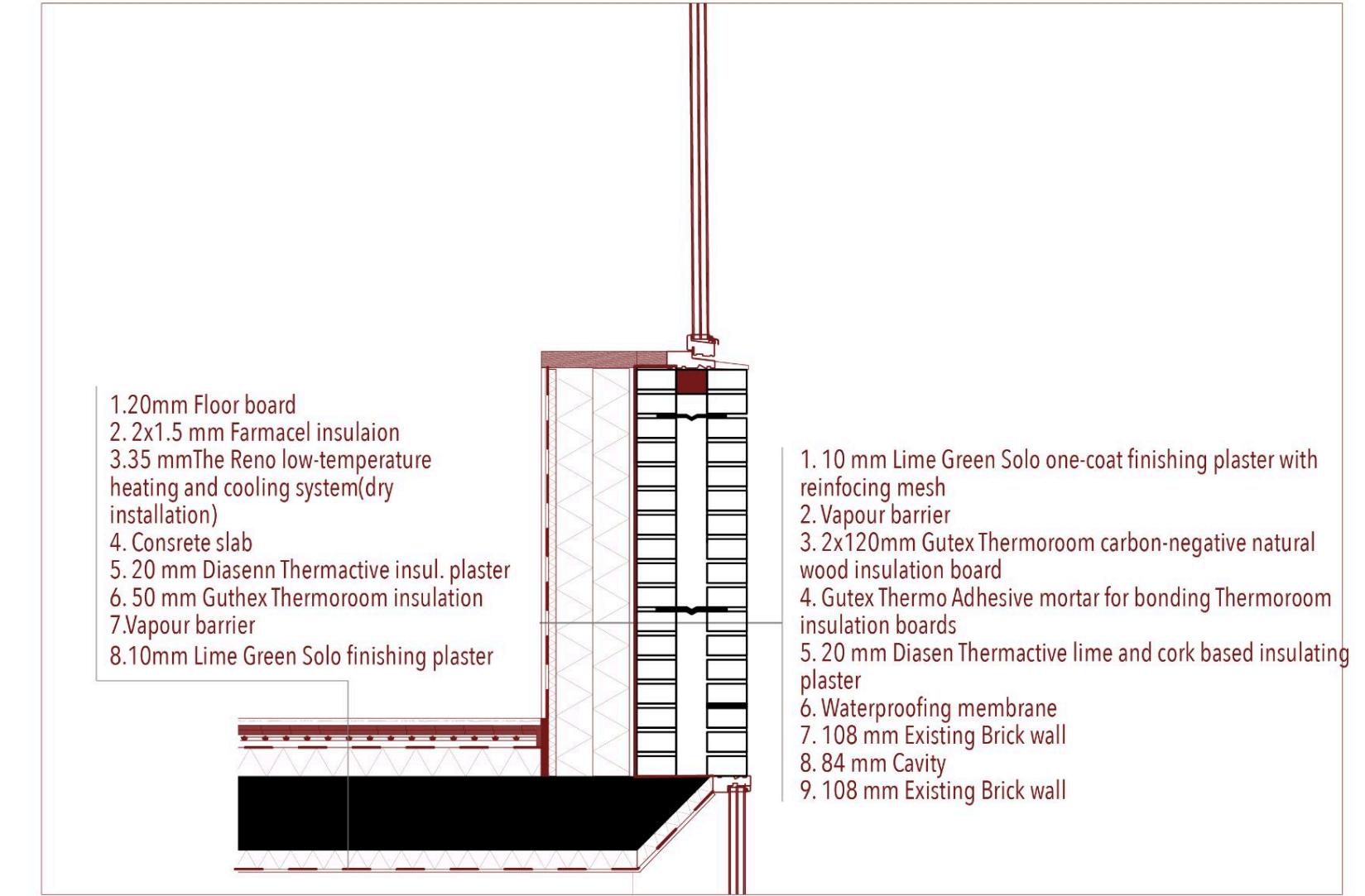
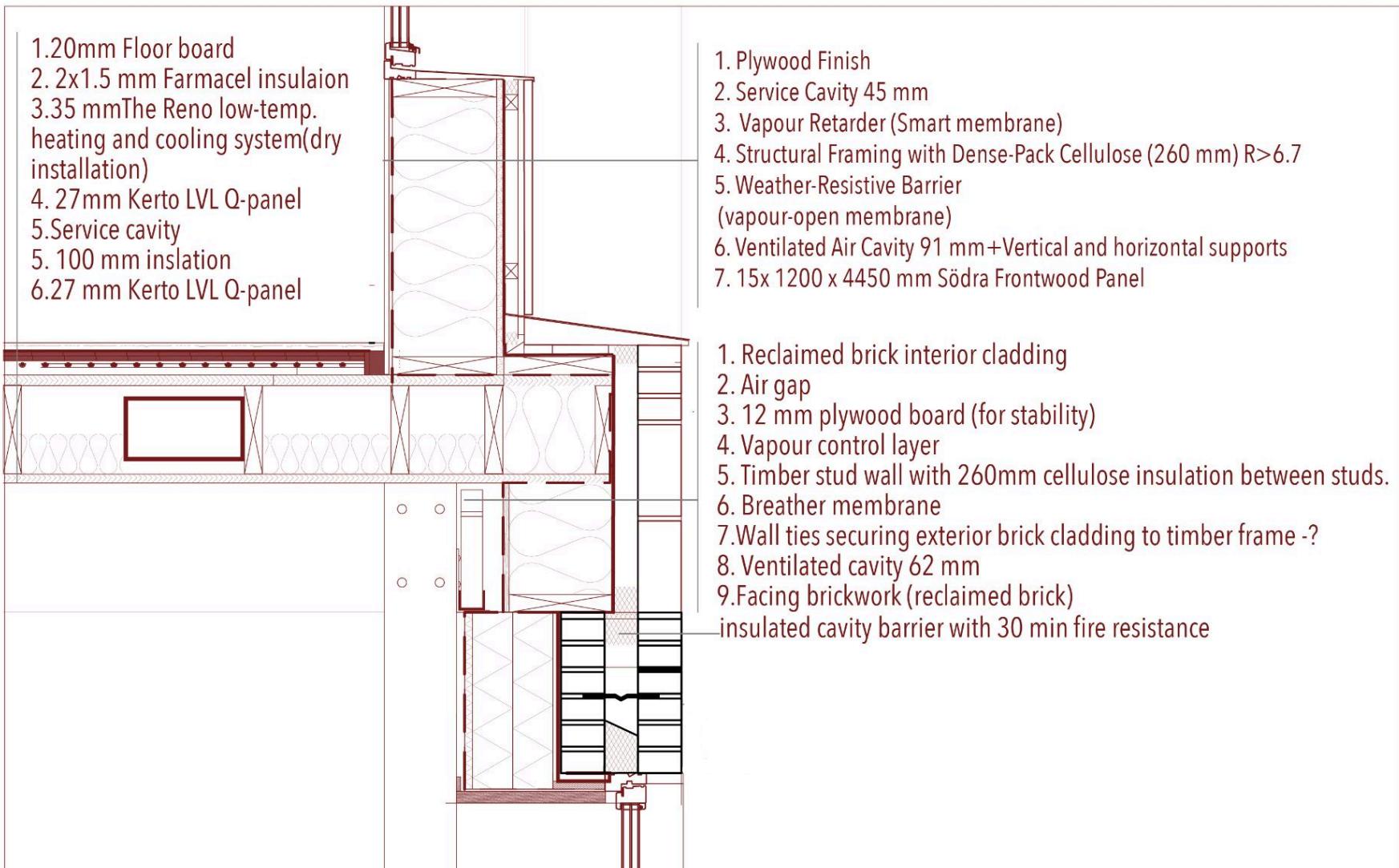
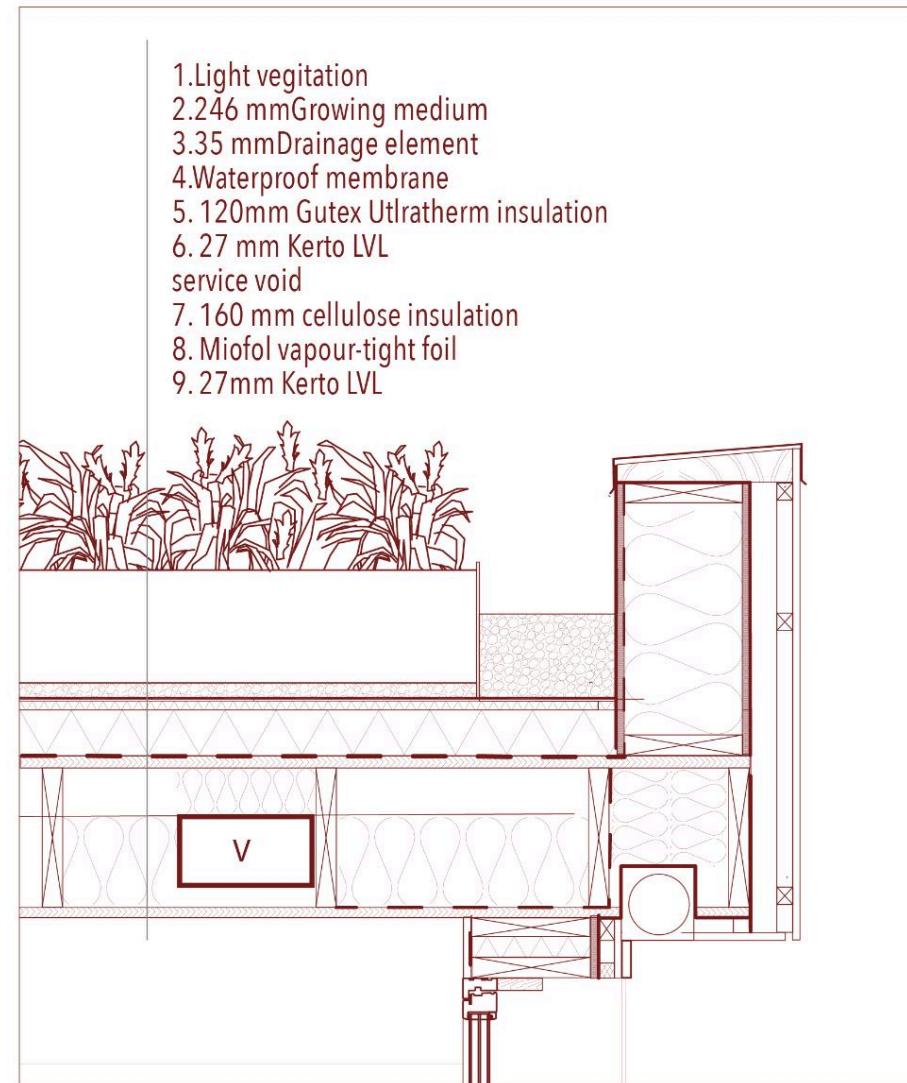


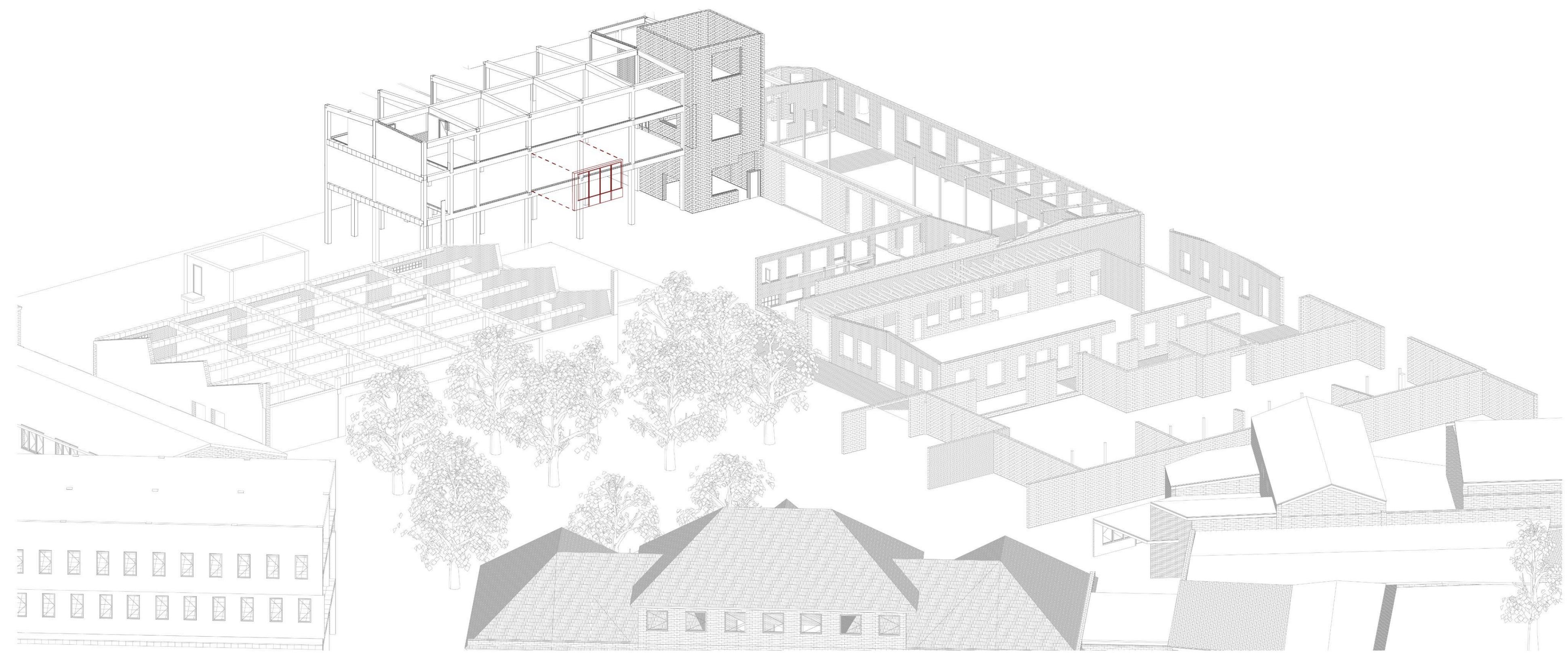


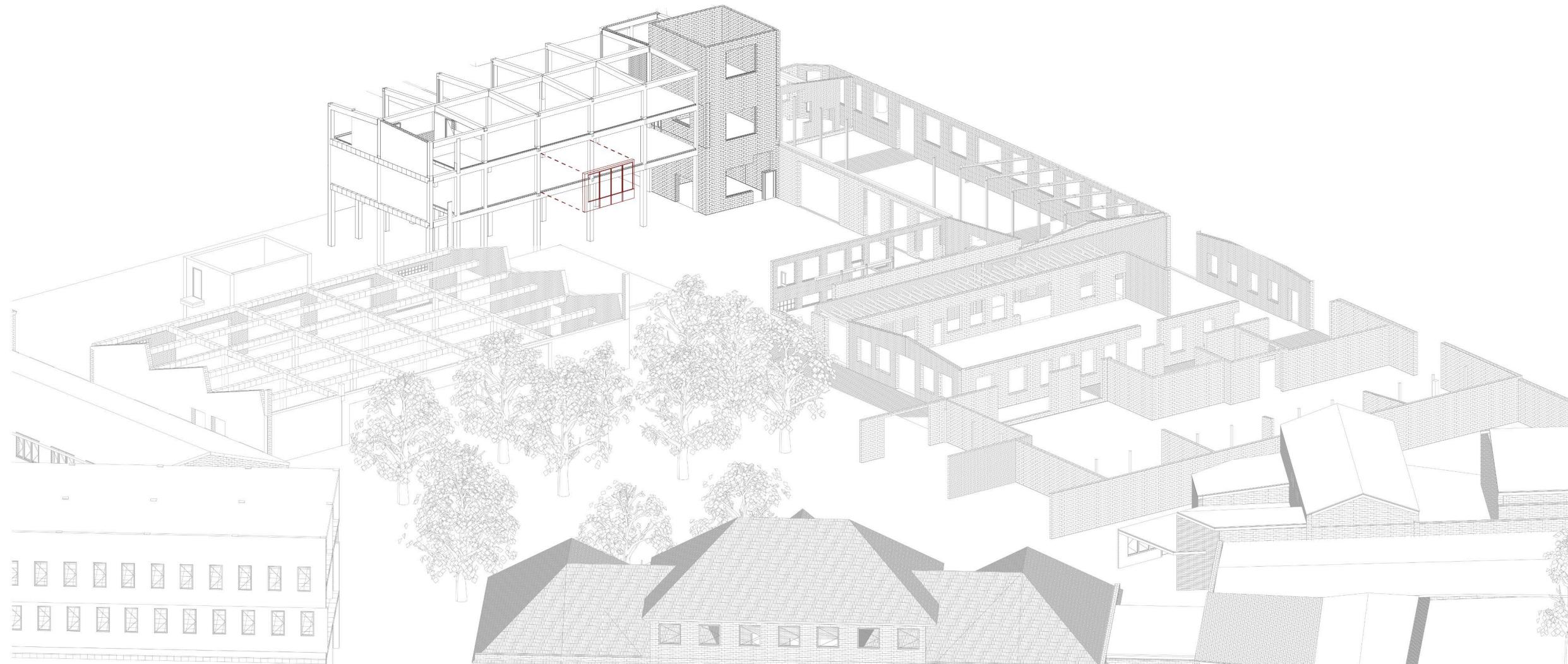




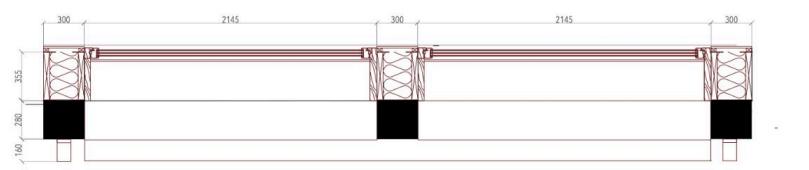
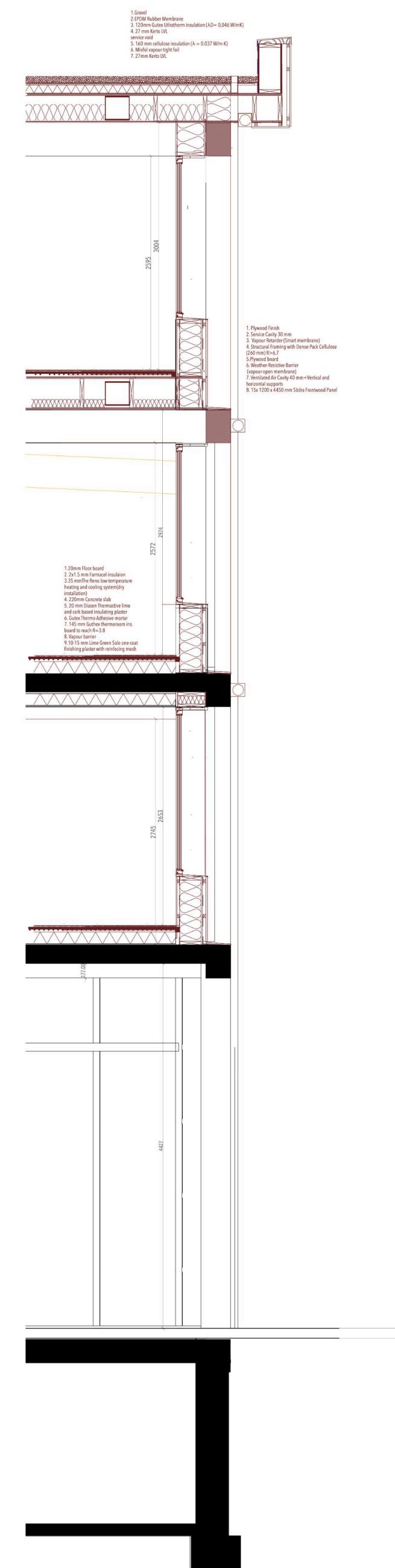




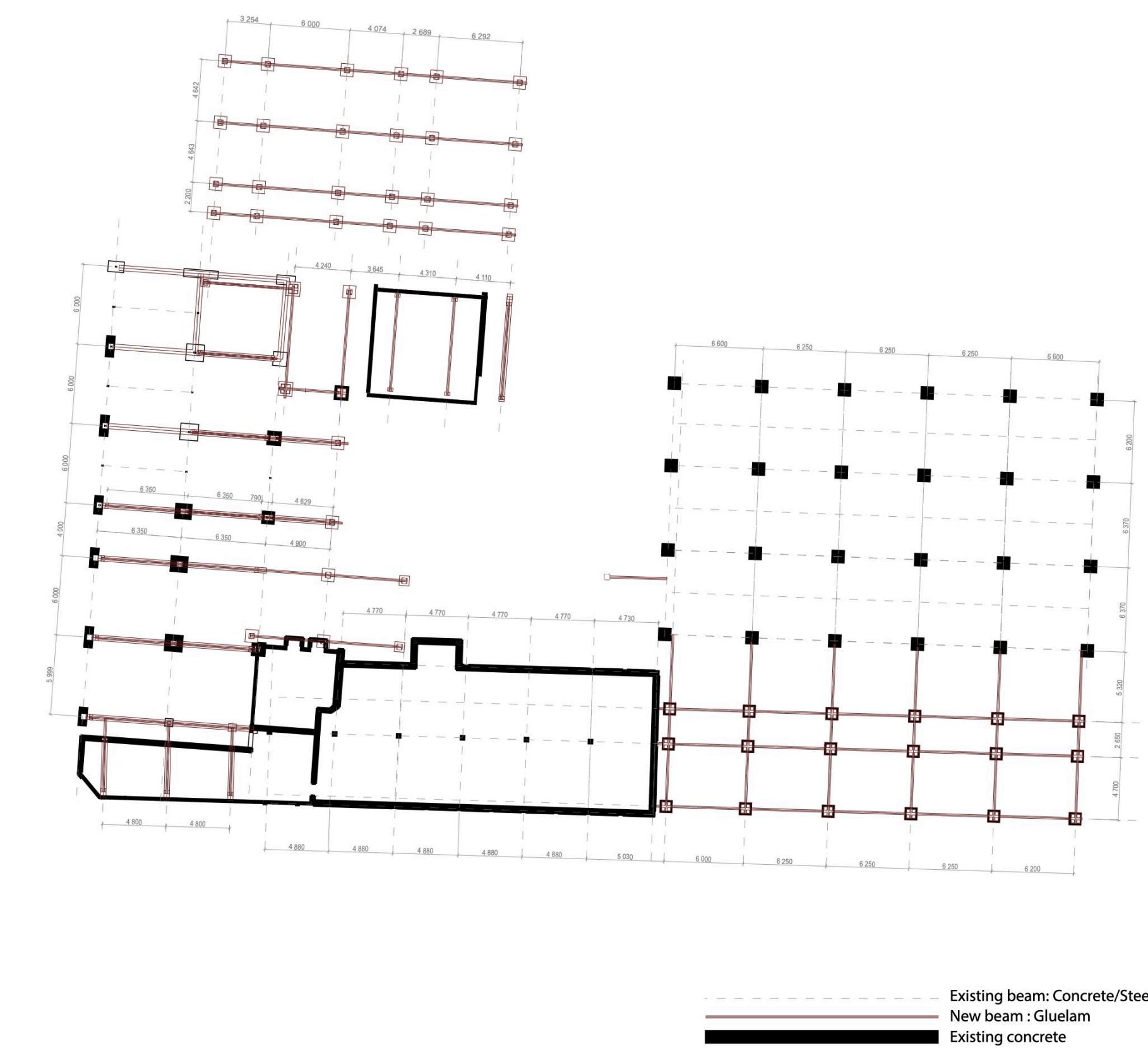
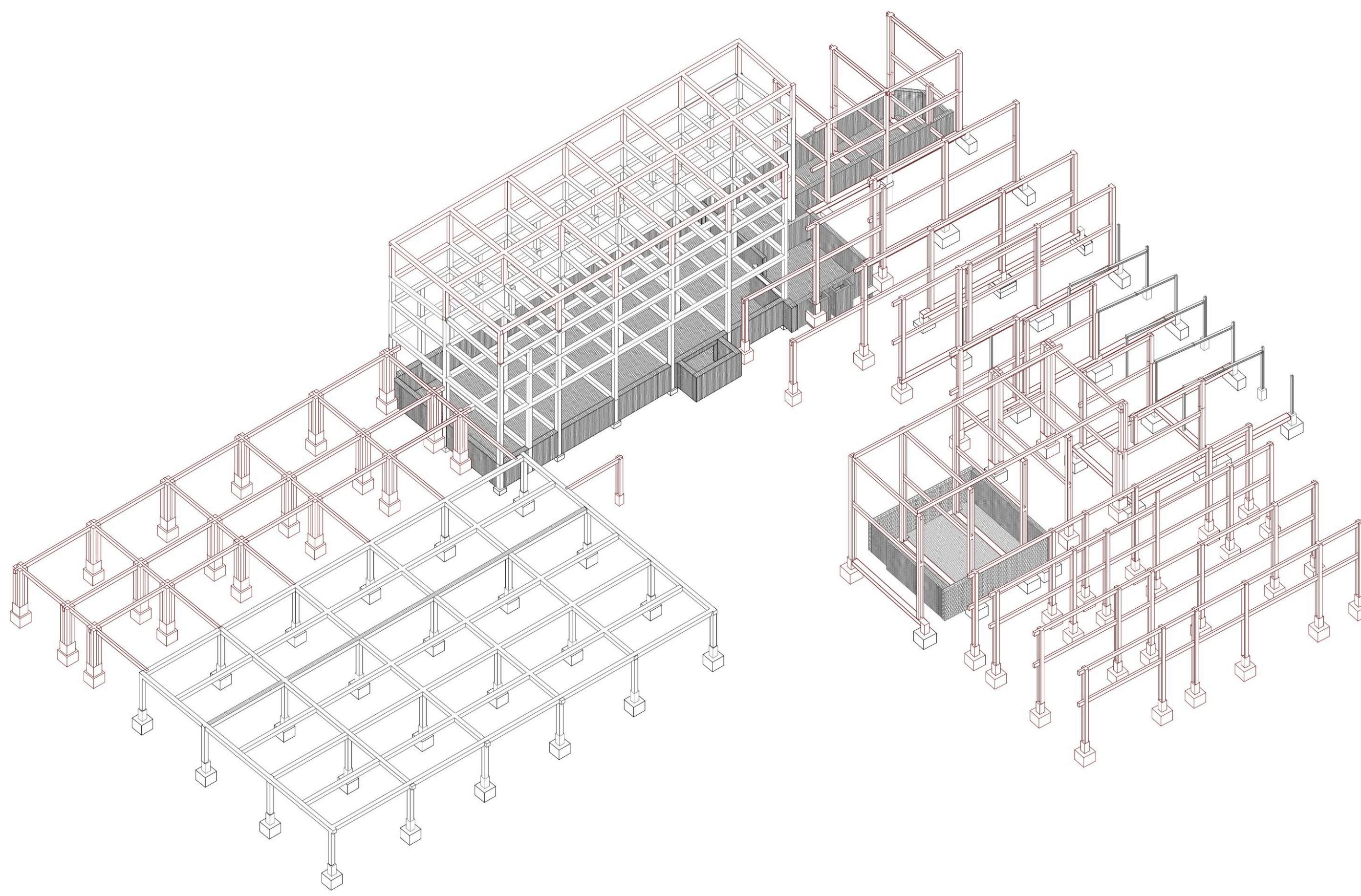




Frantment scale 1:25  
Black= Existing  
Red= New  
Yellow= Demolished

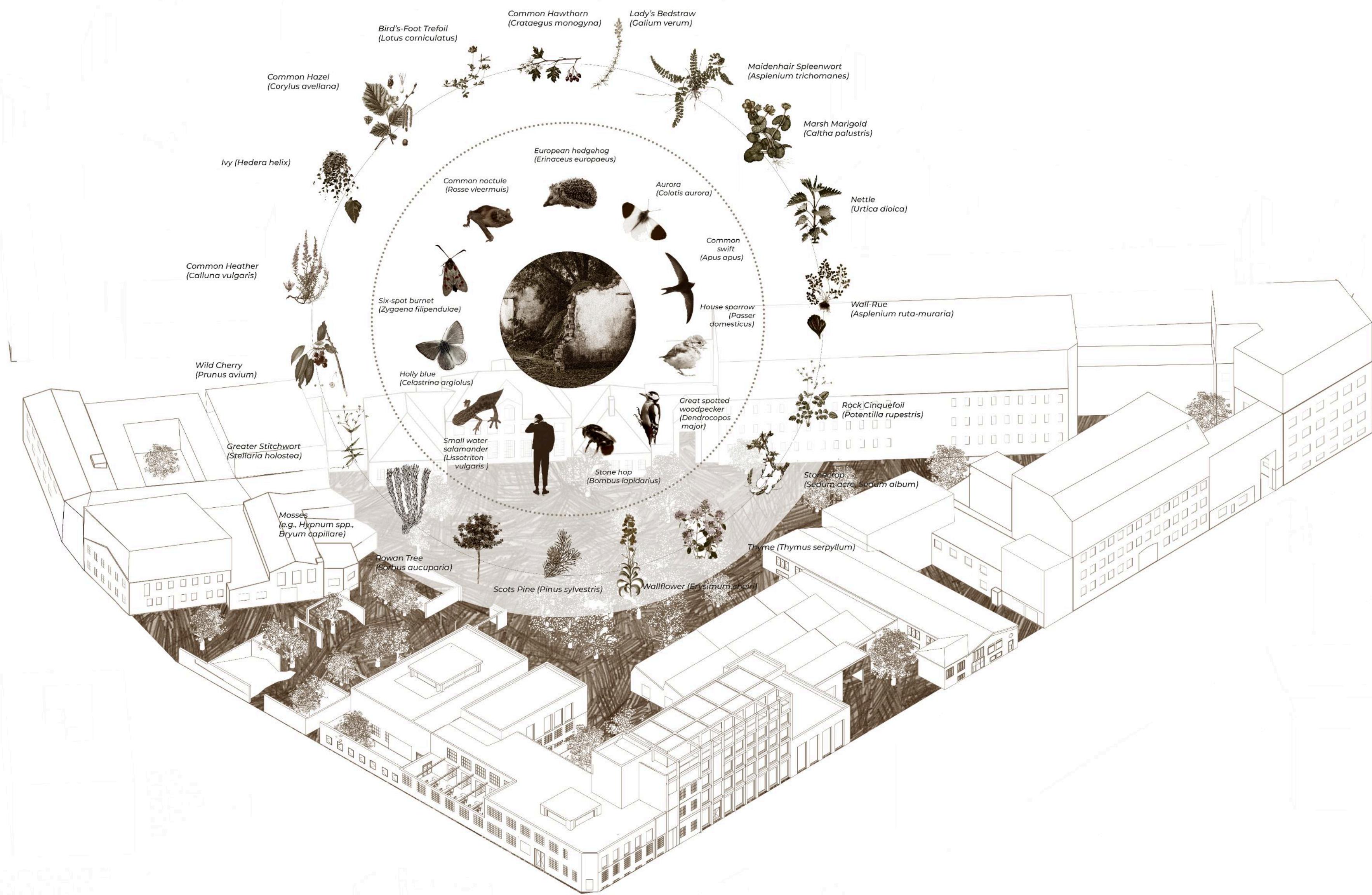


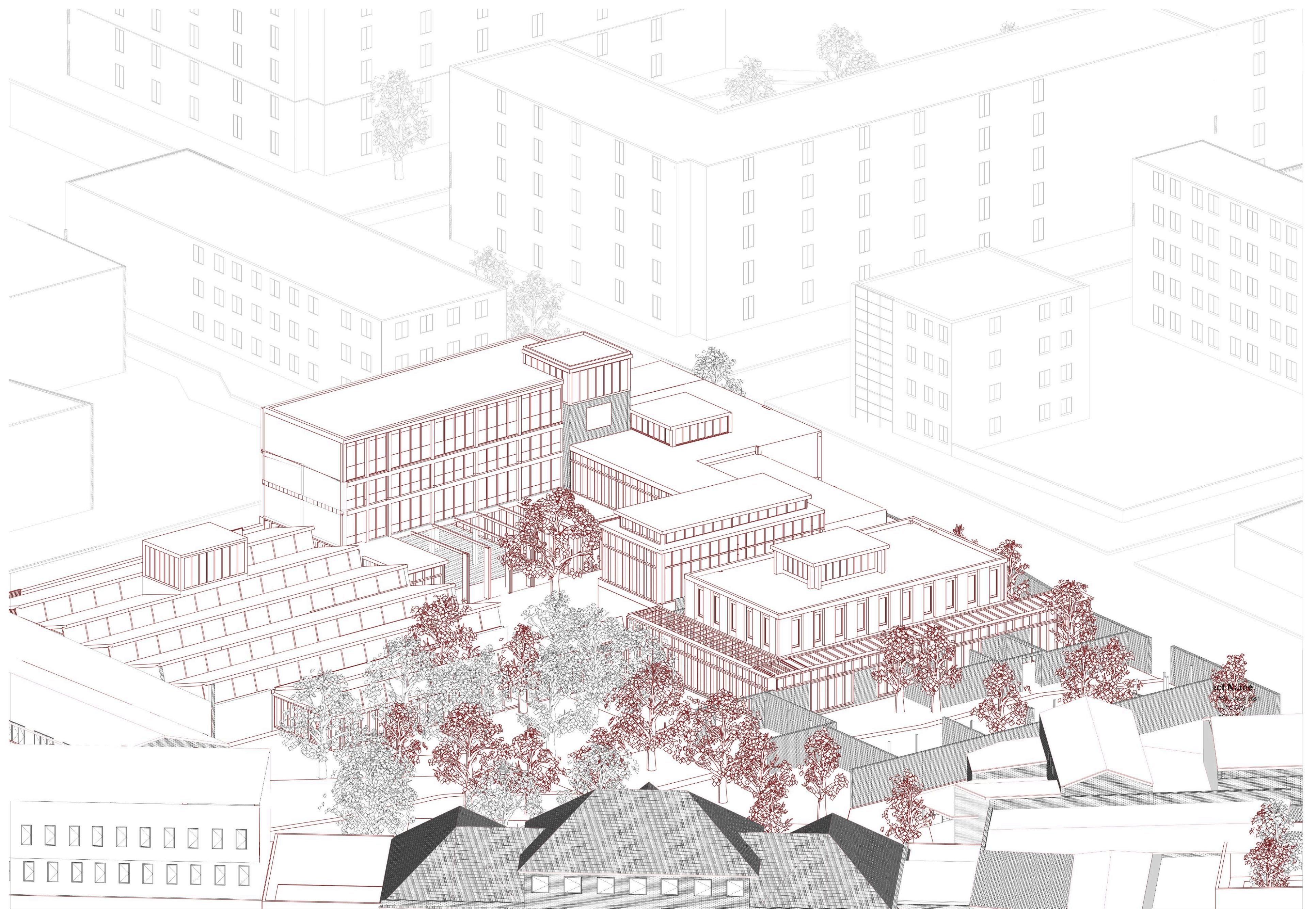


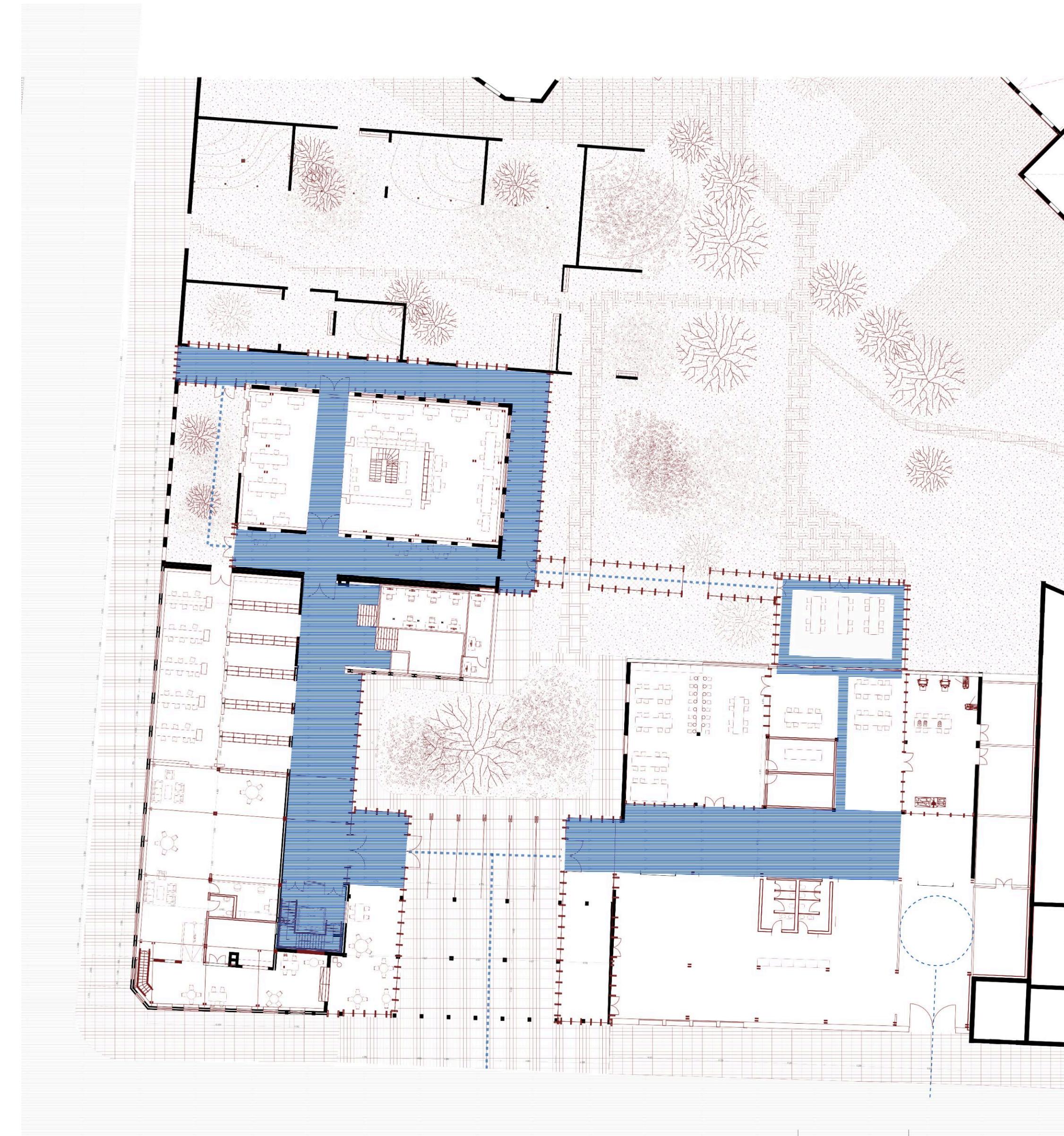




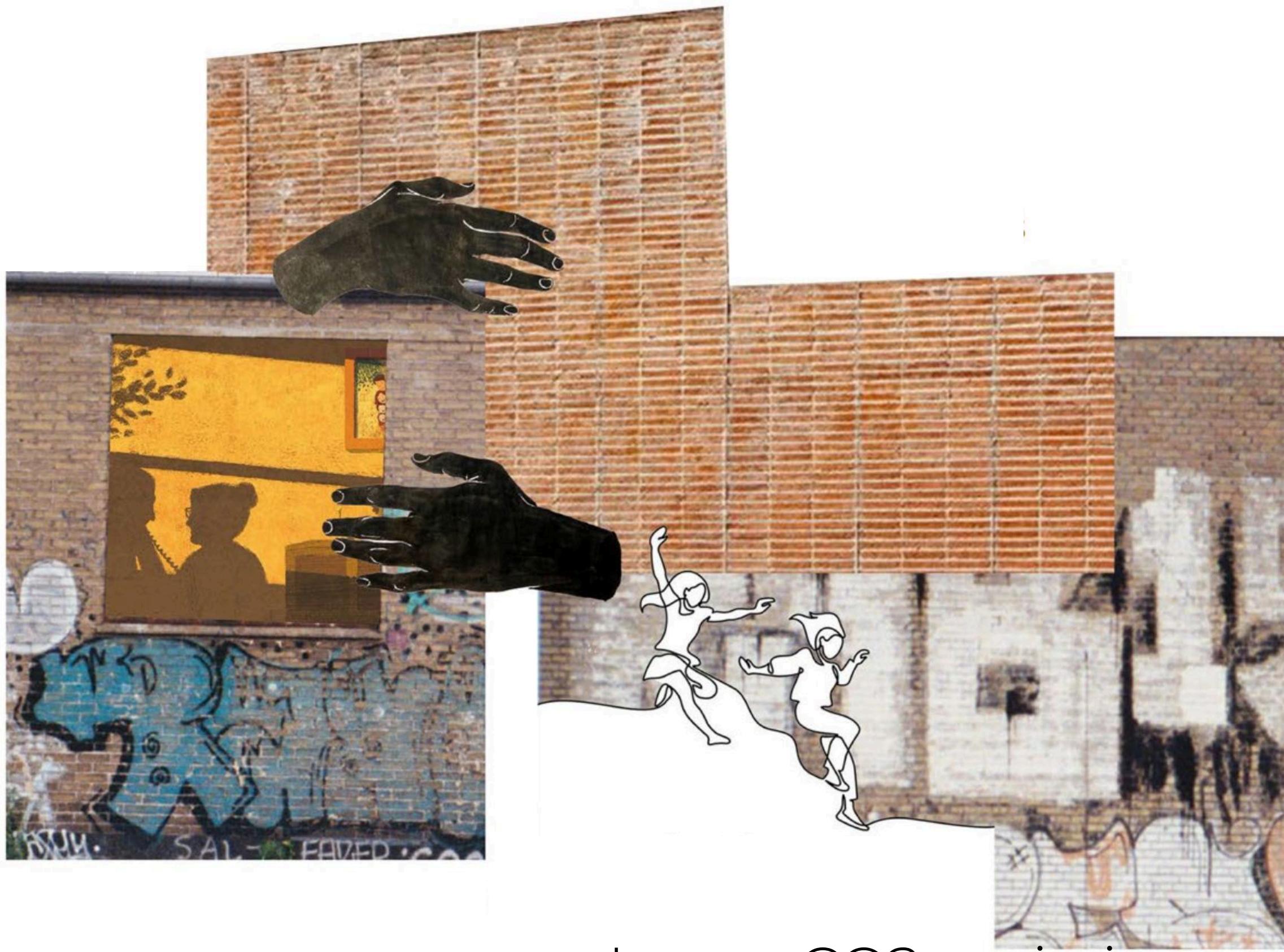
CREATE A BINDER



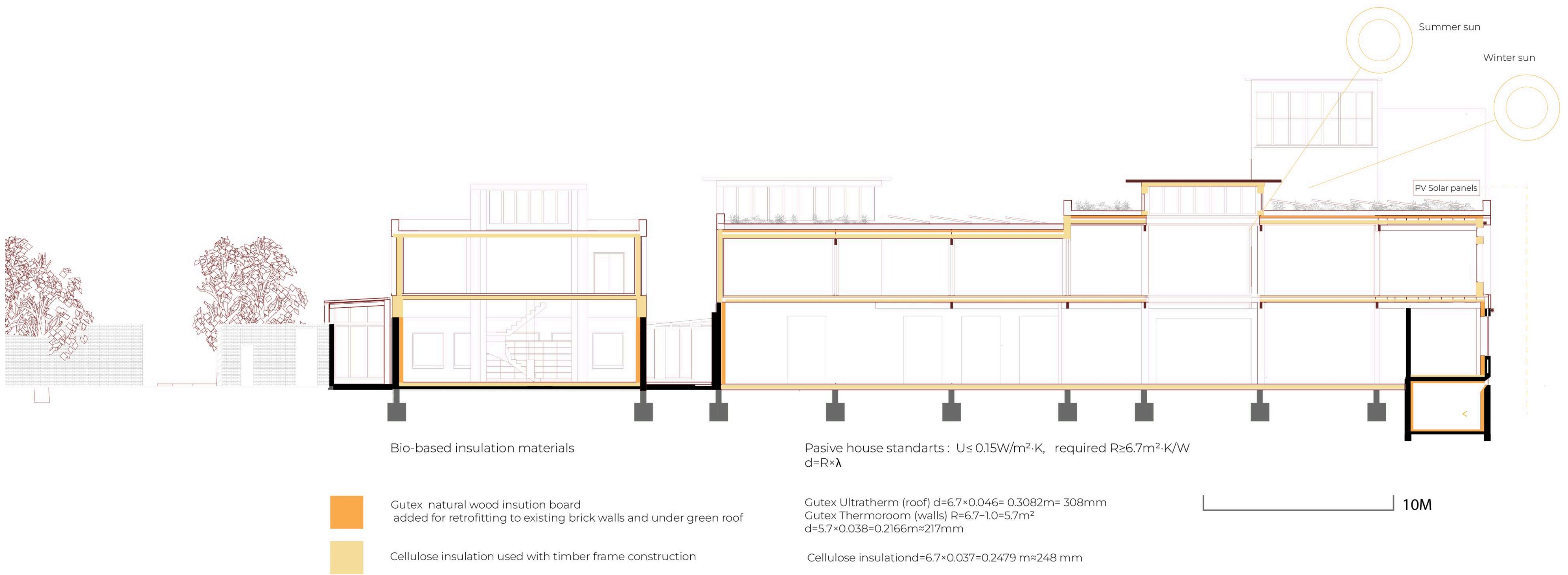


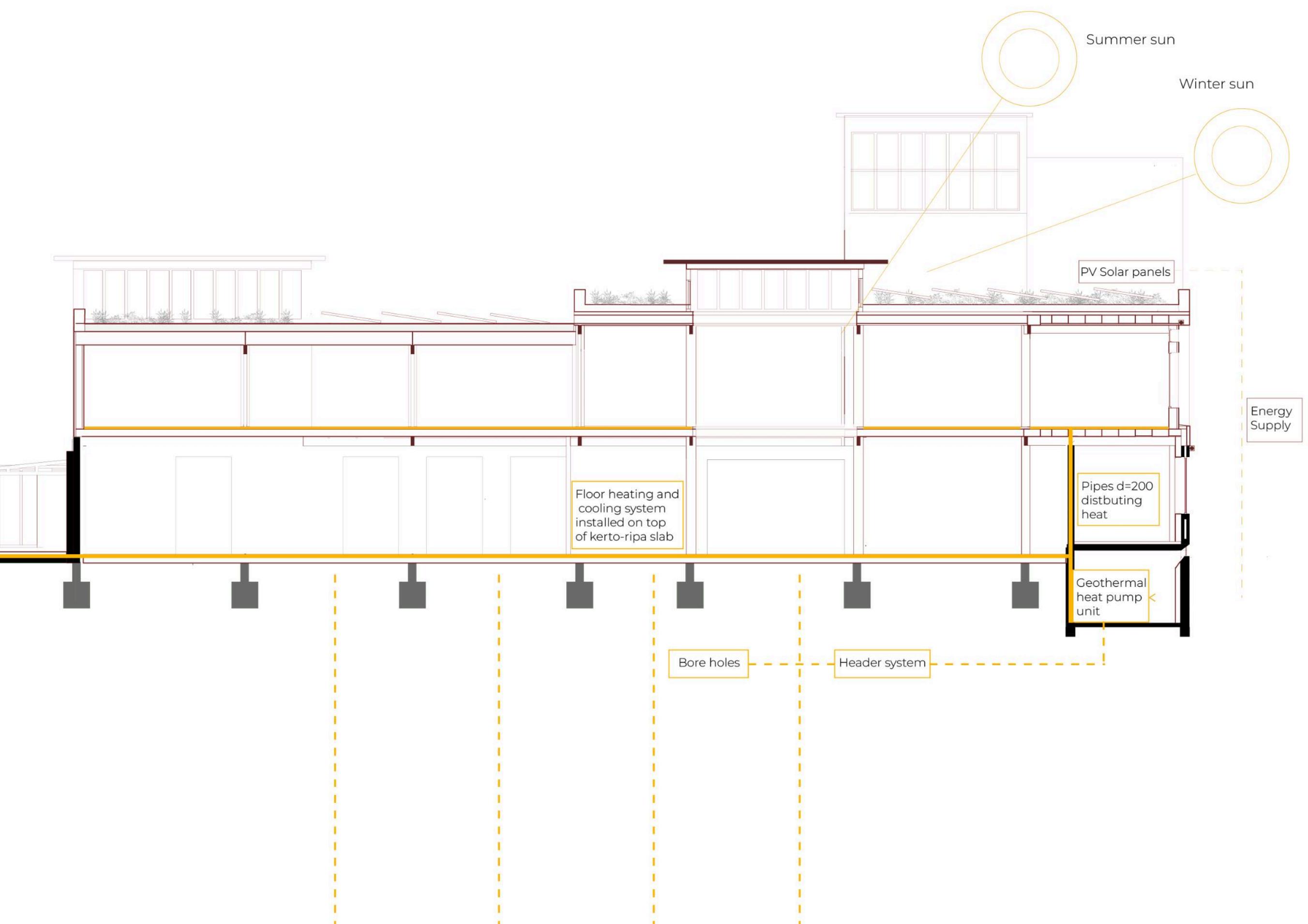
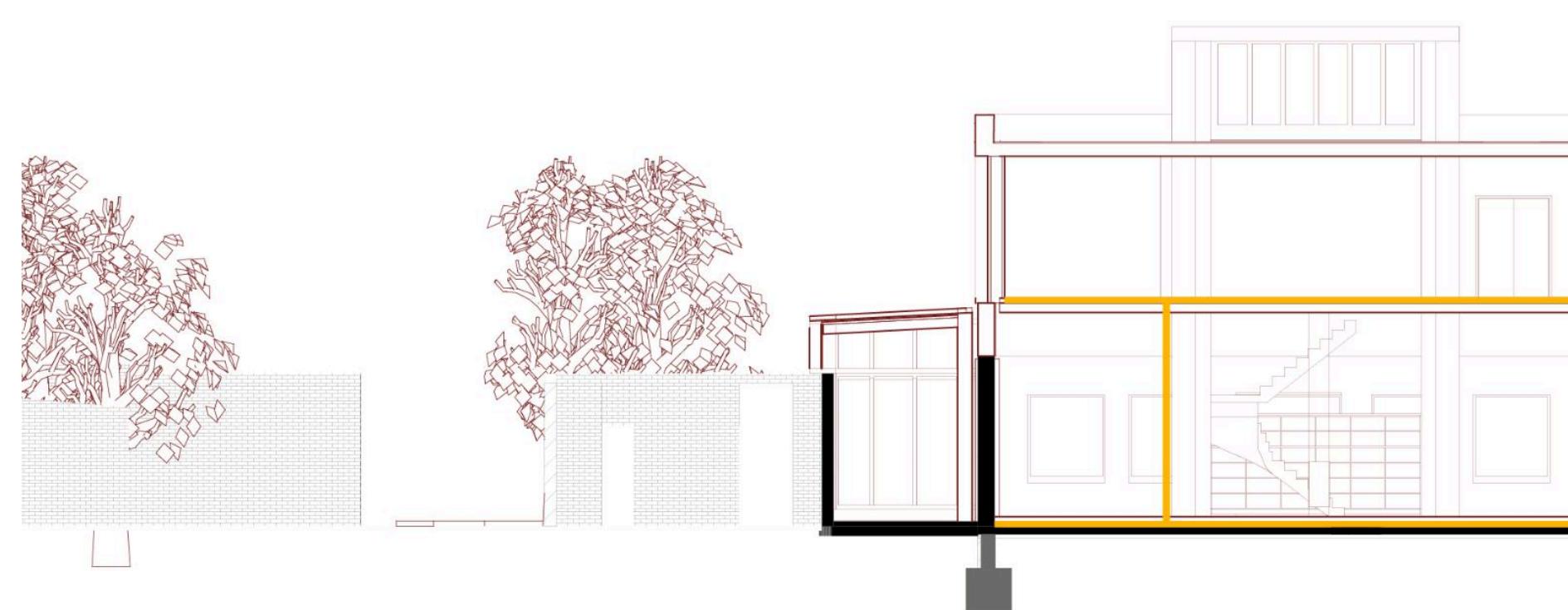


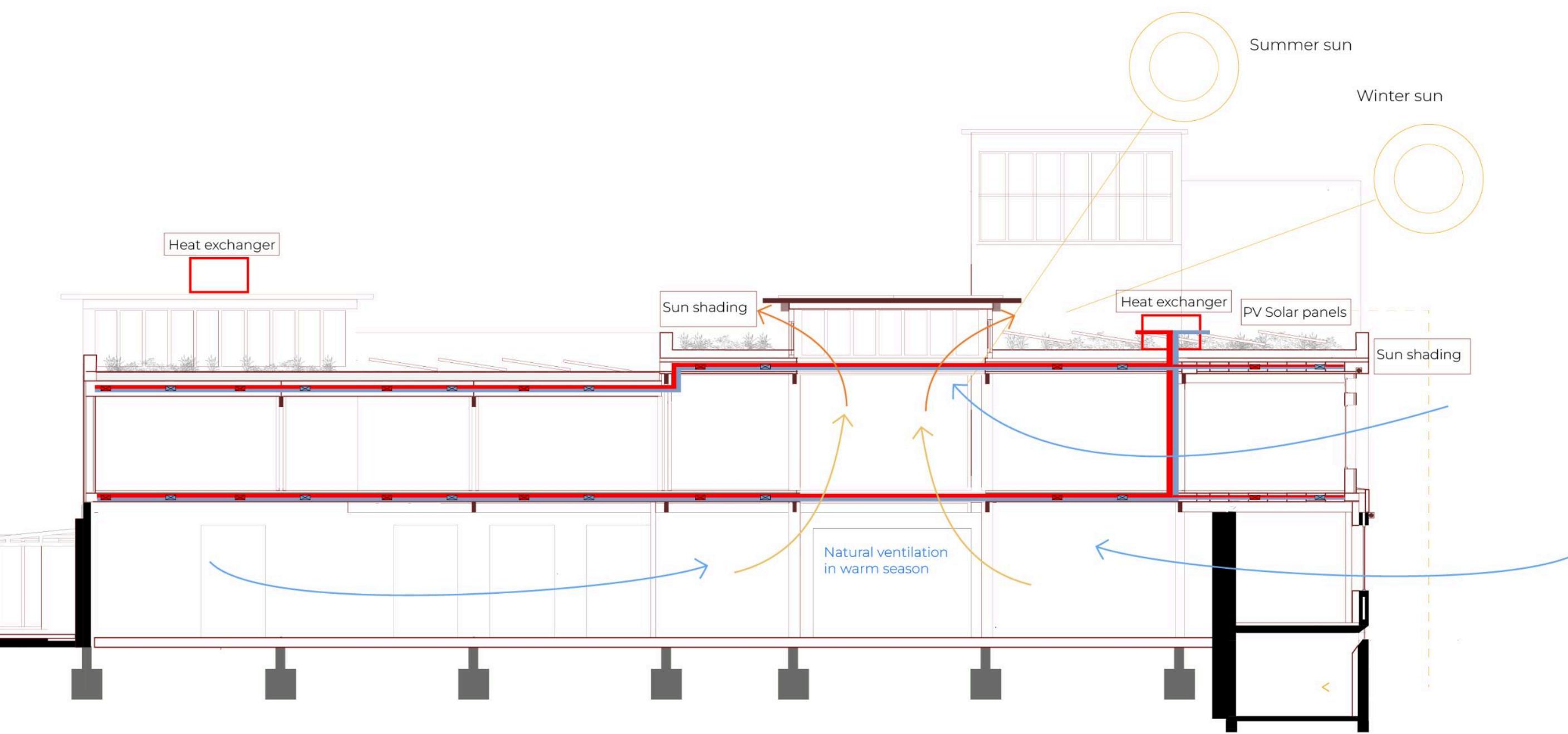
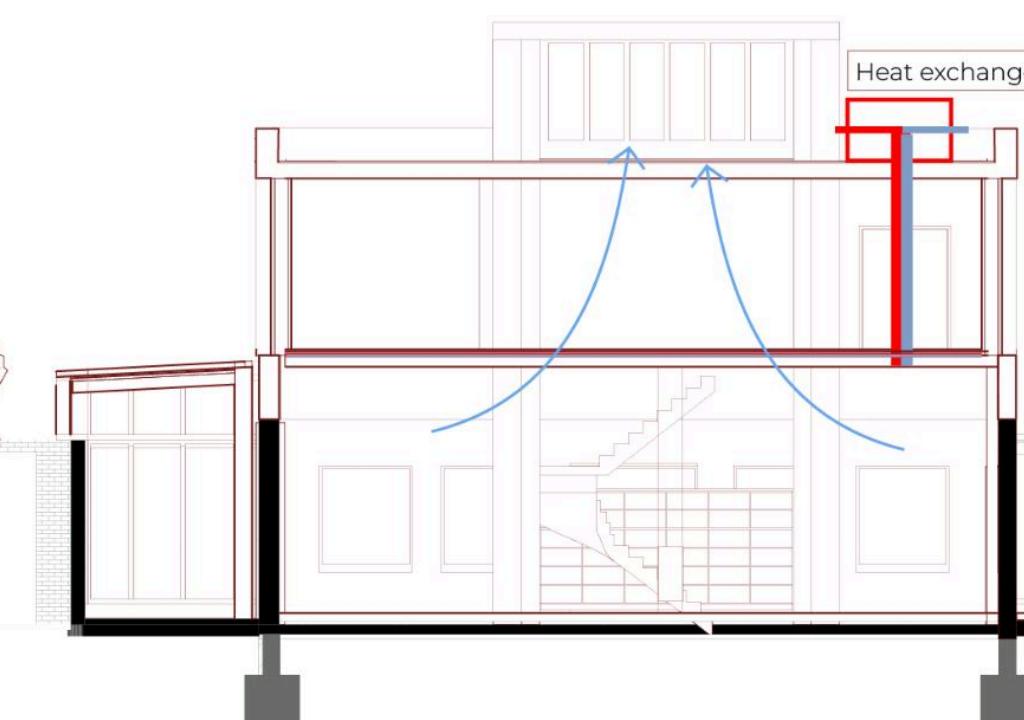
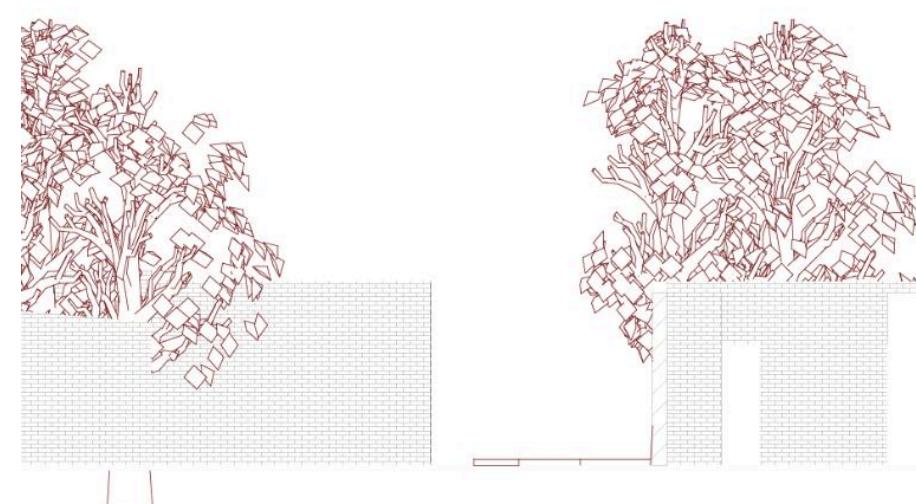
Ensure thermal comfort



Lower CO2 emissions







Option 1:  
Airtight  
conditions

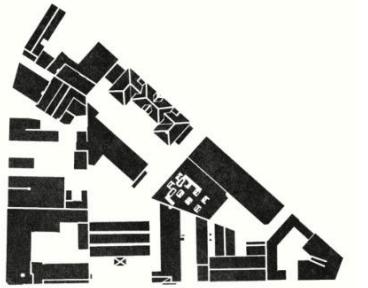
Ventilation system with heat  
recovery for heating and cooling

Option 2:  
Building  
opens up

Natural ventilation: air circulates through  
the building



MATERIALIZE CONTEXT



## The Triangle (Block)



## The Haraldsgade area



## Copenhagen area



## Nordic countries

## conditions

Reuse of existing brick walls,  
Foundations, concrete structures

Reuse of the materials after demolition

Another block in the Haraldsgade area is already undergoing demolition.  
Having the same owner as the Triangle grounds facilitates material reuse, as it avoids the complexities of the chain of custody.  
The transportation distance is approximately 300 meters, keeping transport costs low.  
The central garden within the developing block provides space for temporary material storage.  
Brick buildings from the 1920s-1940s were typically constructed with lime-based mortar, which makes it possible to recover and reuse whole individual bricks.  
*Gamle Mursten* offers testing and quality assurance of reclaimed bricks, enabling them to be CE-marked and reused in new construction.



Rådmansgade 60, Rådmansgade 58, Rådmansgade 56, Rådmansgade 54 and Rådmansgade 52.

Possible sourcing of used material  
Gluelam beams and columns  
Timber Flooring



Växjö, Sweden



Nordic Spruce  
from Sweden



Krone  
Aabybro, Denmark



Oak from Denmark,  
Sweden



Espoo, Finland



Nordic Spruce, Pine from  
Finland and Sweden



Solna, Sweden



Nordic Spruce/Pine from  
Sweden



Hultsfred, Sweden



Gluelam

Gluelam



Timber

Timber

## material

Interior brick walls- whole bricks



Exterior brick walls- whole colored bricks



Exterior brick walls- whole brown/red bricks



Interior brick walls- crushed bricks



Crushed concrete, rubble



Images and Inspo: Christopher Dameron



Original  
3-layer solid wood panel



Stained



Kerto LVL -  
structural  
laminated  
veneer



Gluelam

Gluelam

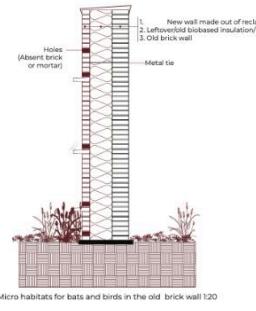


Timber

Timber

## application

- new interior partitions
- outside structures in the ruingarden working as micro-habitats
- pavement

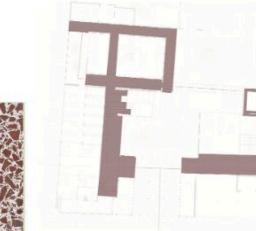
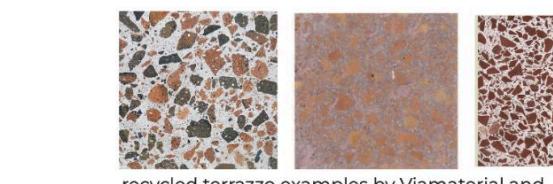


Micro habitats for bats and birds in the old brick wall 120



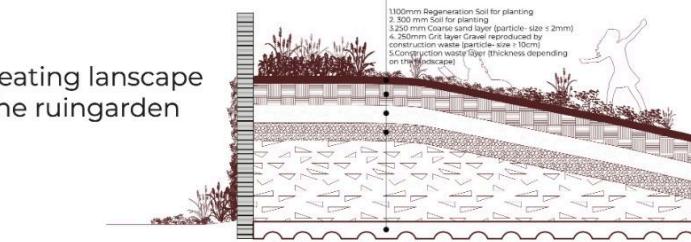
New horizontal building extensions

Terazzo flooring



Flooring in the circulation spaces

Landfill creating landscape (hills) in the ruingarden



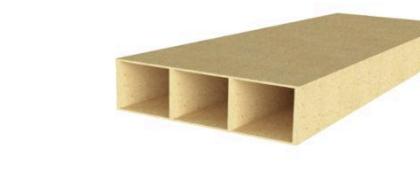
Frontwood Exterior Facade Panels



Triple Glazing windows



Kerto-Ripa floor elements



Timber frame walls (vertical extensions)



Beams and columns



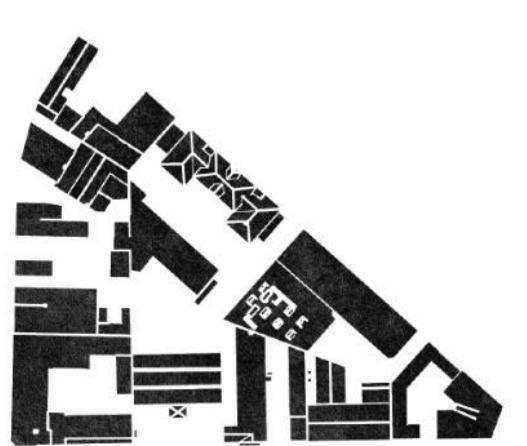
BARK Stick curtain wall system

## The Triangle (Block)



## The Haraldsgade area

REUSE



### conditions

Reuse of existing brick walls,  
Foundations, concrete structures

Reuse of the materials after demolition

Another block in the Haraldsgade area is already undergoing demolition.

- Having the same owner as the Triangle grounds facilitates material reuse, as it avoids the complexities of the chain of custody.
- The transportation distance is approximately 300 meters, keeping transport costs low.
- The central garden within the developing block provides space for temporary material storage.

Brick buildings from the 1920s-1940s were typically constructed with lime-based mortar, which makes it possible to recover and reuse whole individual bricks.

Gamle Mursten offers testing and quality assurance of reclaimed bricks, enabling them to be CE-marked and reused in new construction.



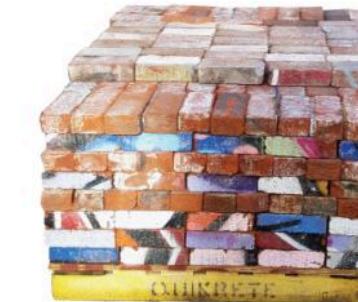
Rådmannsgade 60, Rådmannsgade 58, Rådmannsgade 56, Rådmannsgade 54 and Rådmannsgade 52.

### material

Interior brick walls- whole bricks



Exterior brick walls- whole colored bricks



Exterior brick walls- whole brown/red bricks



Interior brick walls- crashed bricks



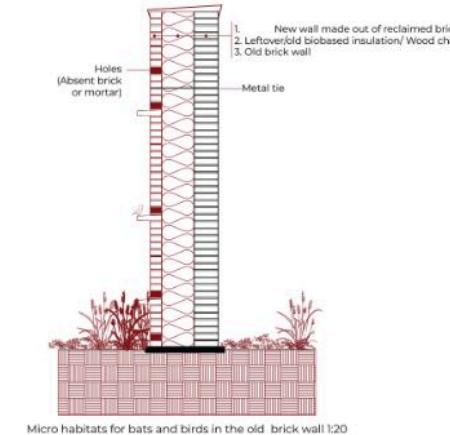
Crashed concrete, rubble



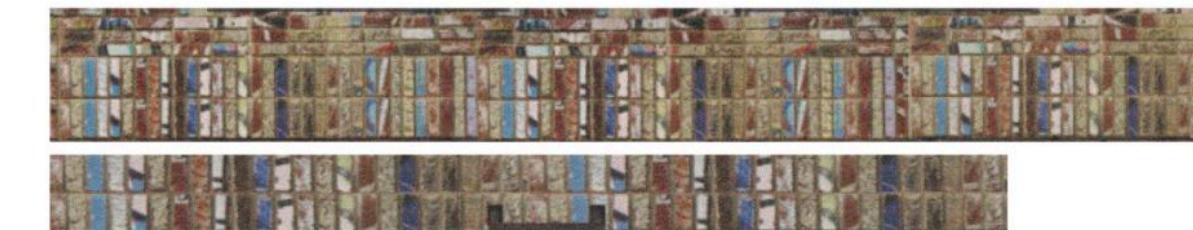
Images and Inspo: Christopher Dameron

### application

- new interior partitions
- outside structures in the ruingarden working as micro-habitats
- pavement



Exterior and Interior brick cladding

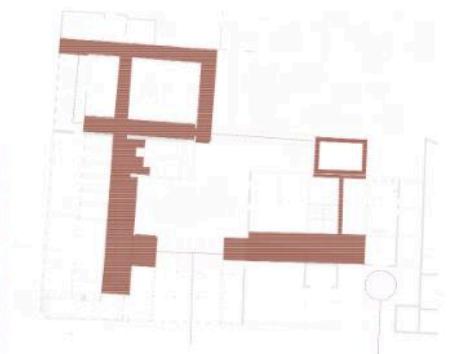


New horizontal building extensions

Terazzo flooring

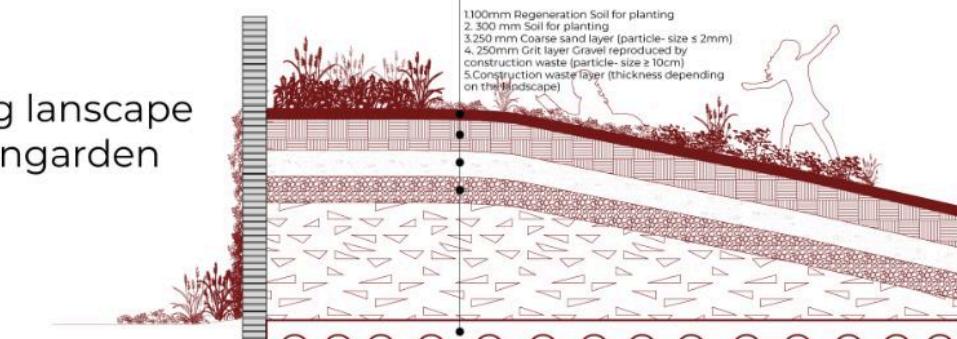


recycled terrazzo examples by Viamaterial and Reynchemie



Flooring in the circulation spaces

Landfill creating landscape (hills) in the ruingarden



## Copenhagen area



## Nordic countries



## conditions

Possible sourcing of used material  
Gluelam beams and columns  
Timber Flooring

## material



Frontwood Exterior Facade Panels



Triple Glazing windows



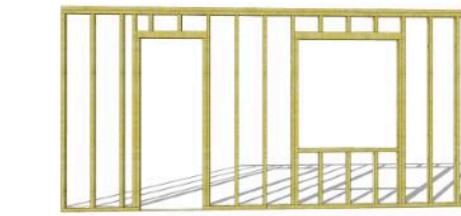
Kerto-Ripa floor elements



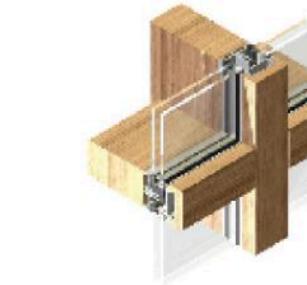
Timber frame walls (vertical extensions)



Beams and columns



BARK Stick curtain wall system



Växjö, Sweden



Nordic Spruce  
from Sweden



Krone  
Aabybro, Denmark



Oak from Denmark,  
Sweden



Espoo, Finland



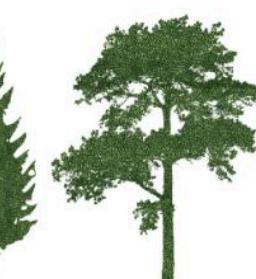
Nordic Spruce, Pine from  
Finland and Sweden



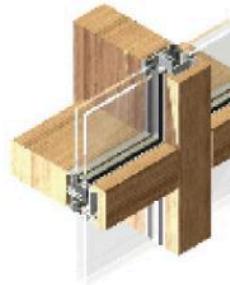
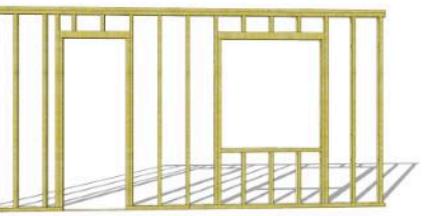
Solna, Sweden



TIMBER FACADE SYSTEM  
Hultsfred, Sweden



Nordic Spruce/Pine from  
Sweden



## application



Rebirth of the material

Material Storage

Collection waste materials

A way to the new home



Creation

Kiln

Exhibition

Home

Facade

