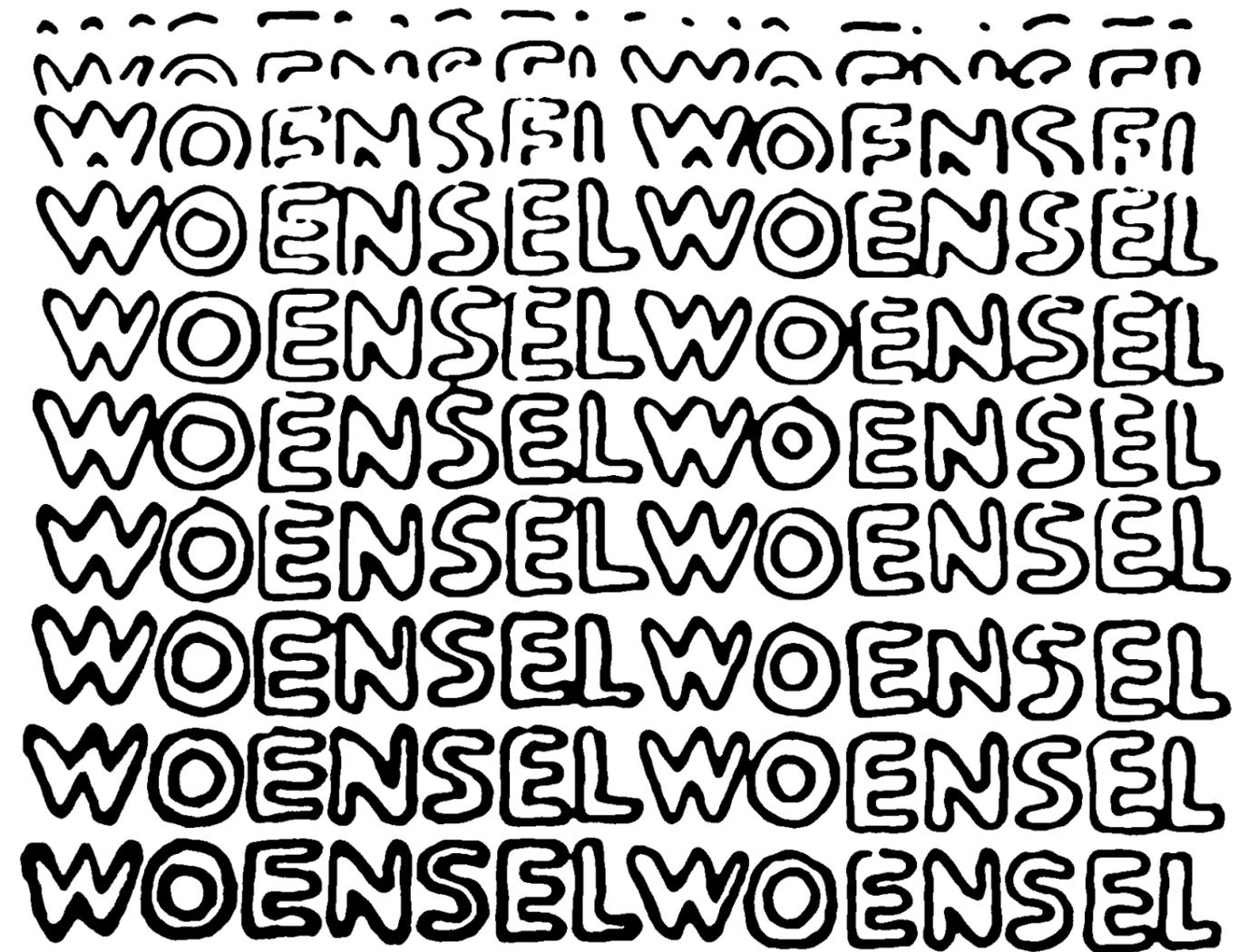


The many layers of Winkelcentrum Woensel



Studio

MSc4

Adapting 20th Century Heritage

The Post-war Mall

P5 presentation

Alan Dolieslager

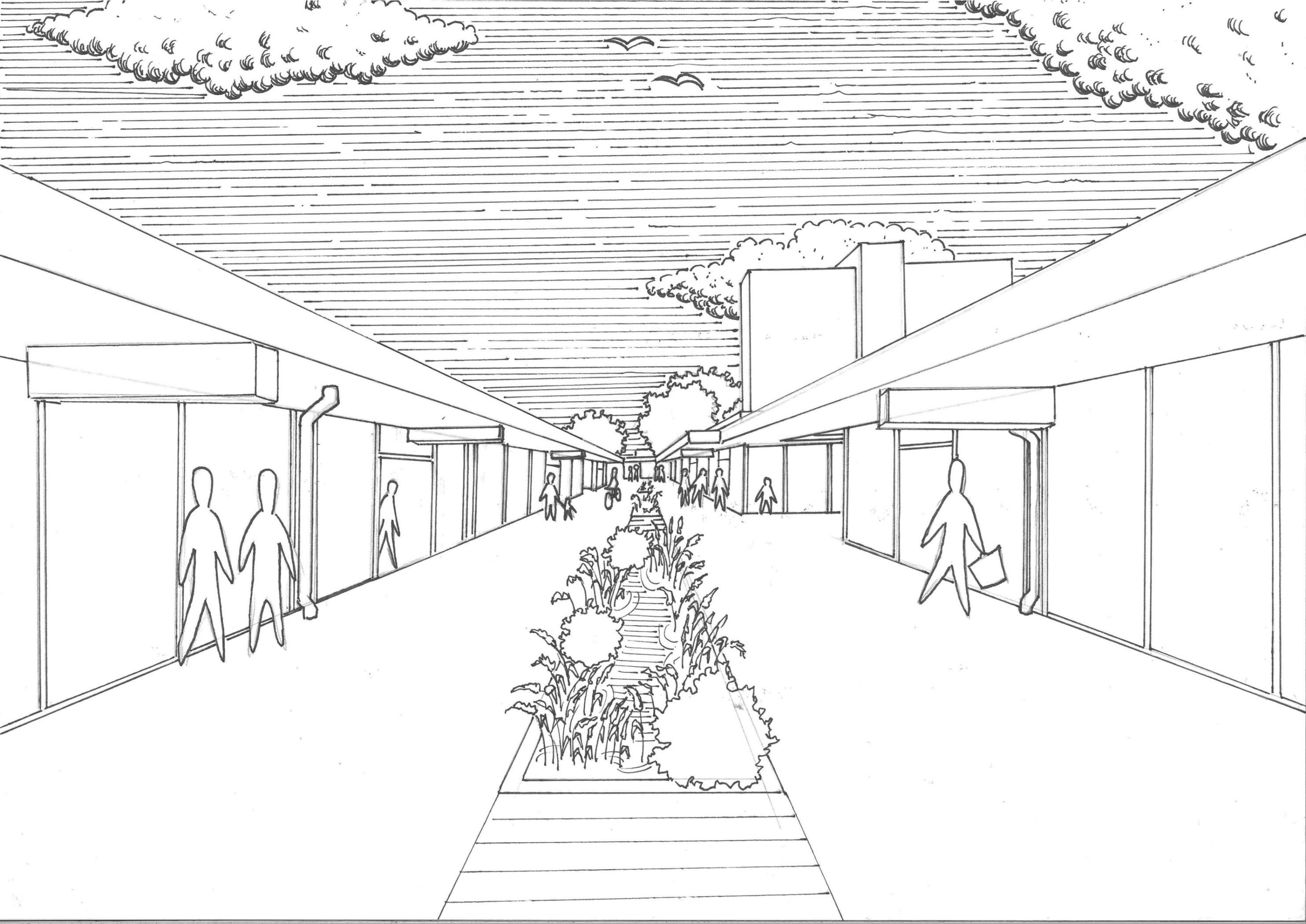
4676181

Tutors

Lidy Meijers

Frank Koopman

Marie-Thérèse van Thoor







van Dam

SINGER

UW JUWELIER

UW JUWELIER

elle
couture
Paris
made

The Duke of York
The Duke of York



C&A

The Phone House
COMMUNICATIONS CENTER



C&A

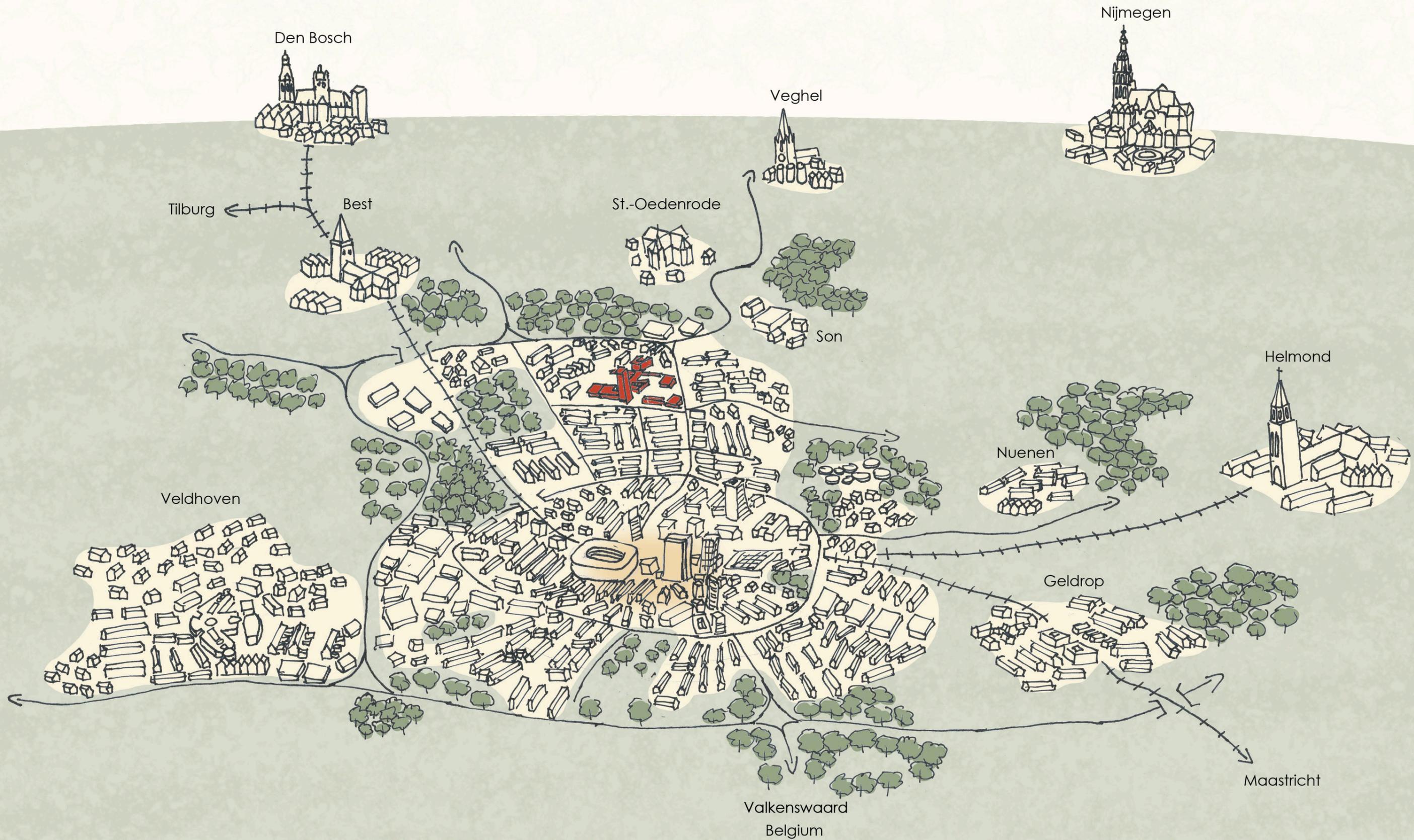
SLEUTELS

Fifty One

W. Verbruggen, Mode

EINHOVEN

How did we get here?



Den Bosch

Nijmegen

Veghel

Tilburg

Best

St.-Oedenrode

Son

Helmond

Veldhoven

Nuenen

Geldrop

Valkenswaard
Belgium

Maastricht

Jaap Bakema & Jo van den Broek

- Post-war reconstruction
- Functionalist designs
- Socially engaged
- Shopping centres, Social housing, Public buildings
- Objective, materially and structurally authentic





van Dam

SINGER

UW JUWELIER

UW JUWELIER

elle
couture
Parisian
made

The Duke of York
The Duke of York

Engelman Architekten

- Economic growth of the 2000s
- 'Nothing evolves as much as the use of space'
- Pragmatic reuse of the existing, leaving many original elements in place



2007





C&A

SLEUTELS

Fifty One

W. Verbruggen, Mode

EINHOVEN

2023

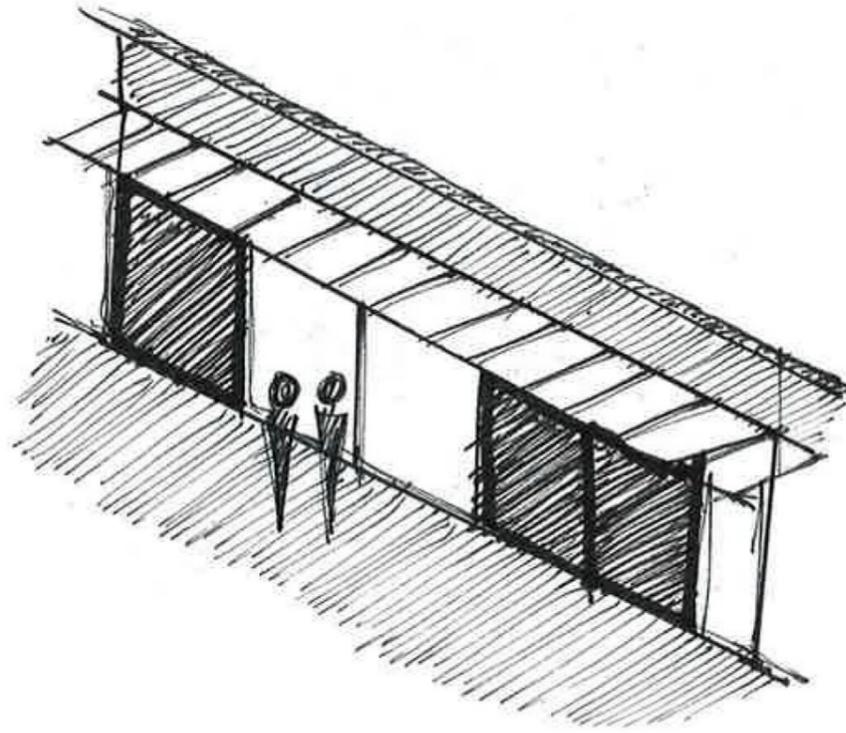
?

My turn

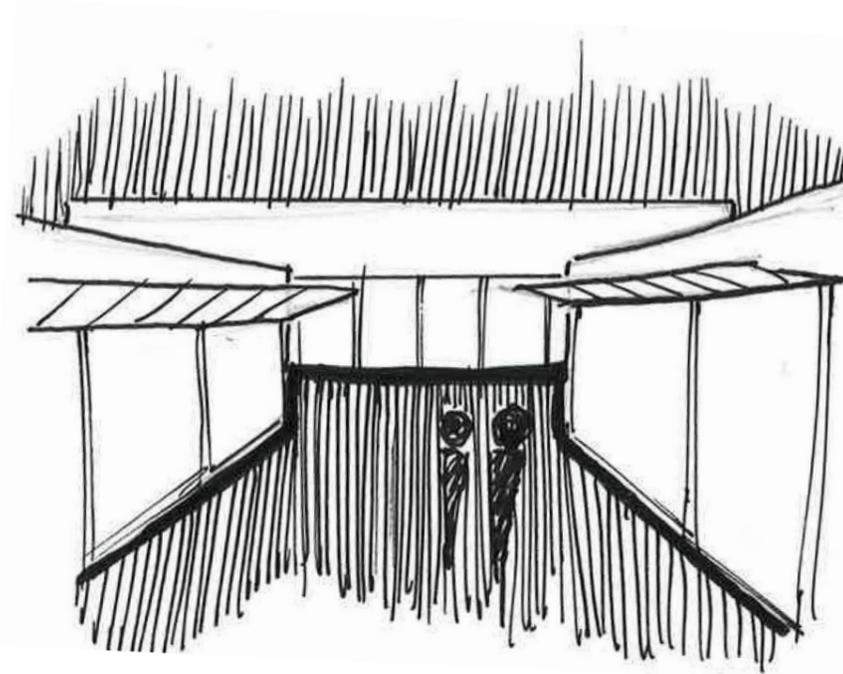
- Climate, resource and housing crisis of the 2020s
- Protecting heritage by making it useful to society – pragmatic
- Sustainability: Social, material, energy



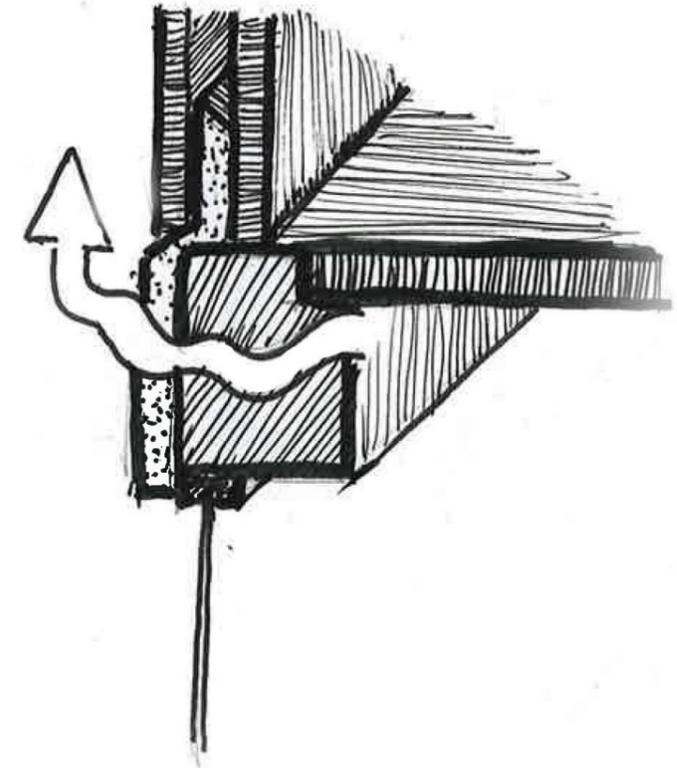
Goal



Vacancy



Public space



Sustainability

Preserving the authenticity of heritage

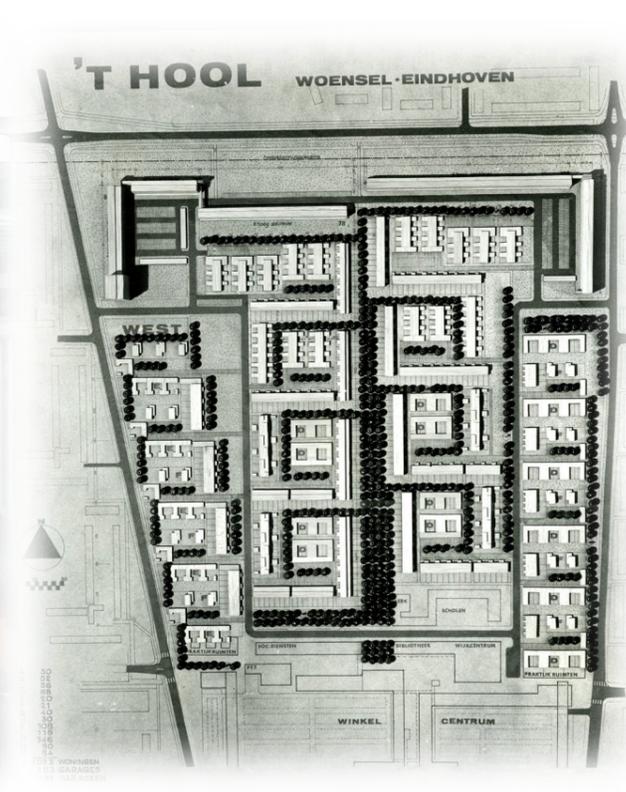
Material



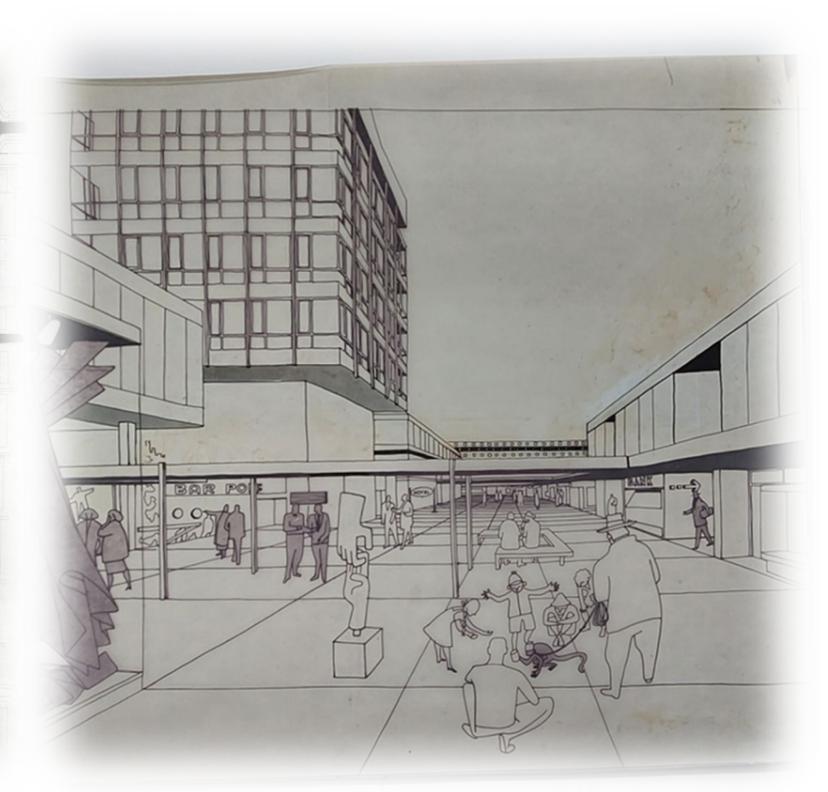
Cultural



Contextual



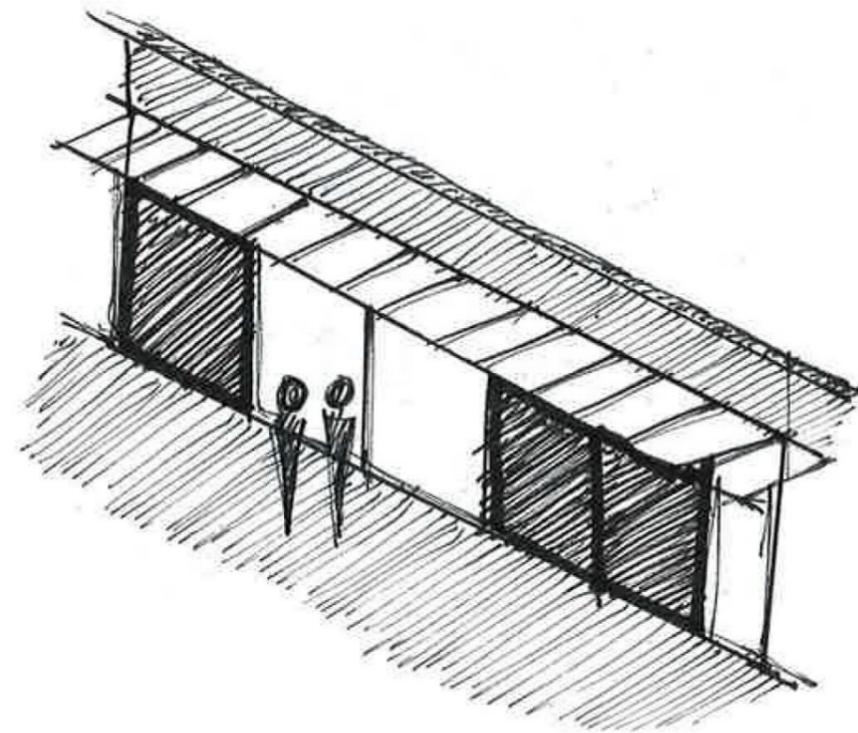
Conceptual

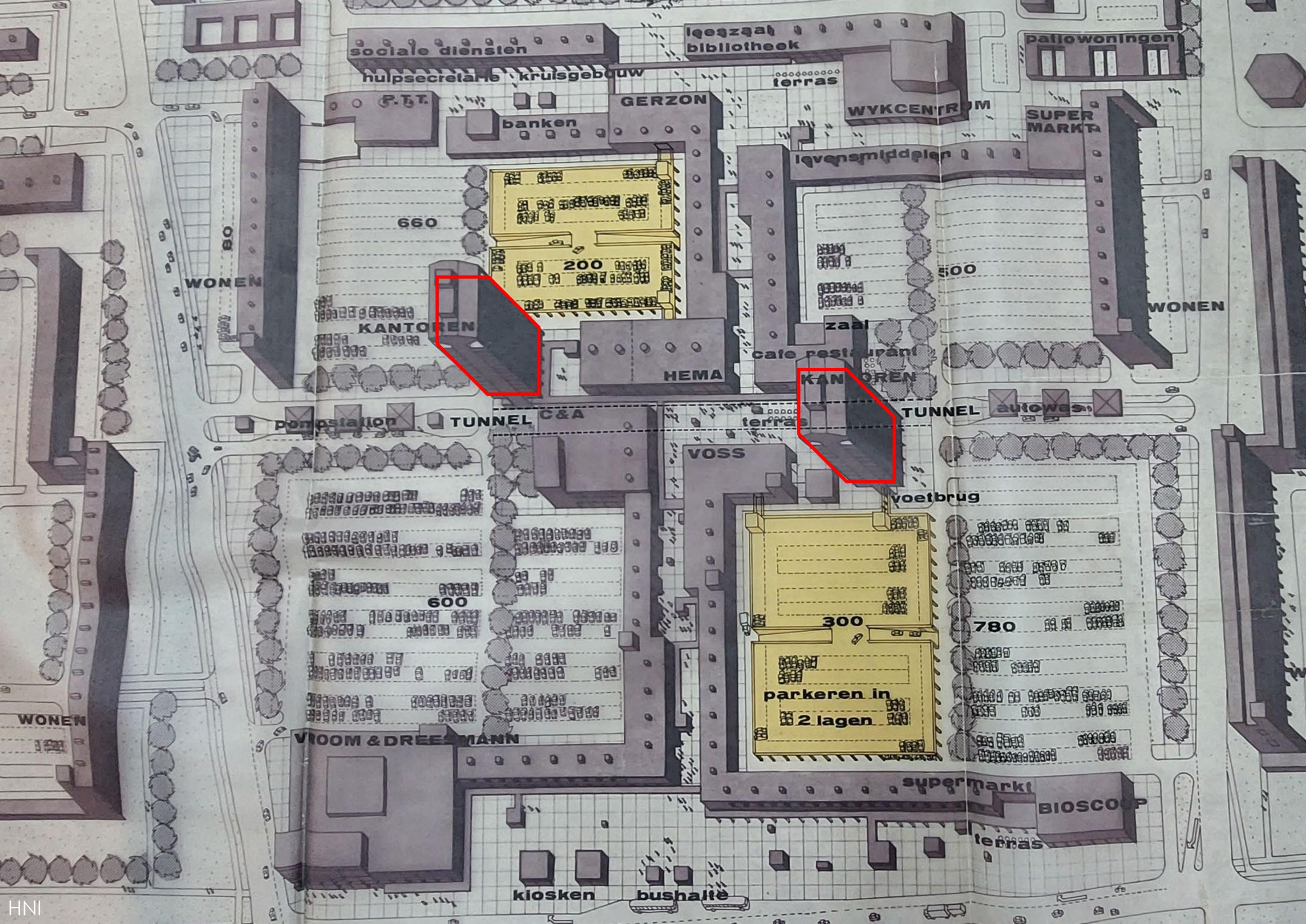


Material



Vacancy





sociale diensten

leeszaal
bibliotheek

pawoningen

hulpsecretarie kruisgebouw

terras

P.T.T.

GERZON

WYKCENTRUM

SUPERMARKT

banken

levensmiddelen

660

200

500

WONEN

KANTOREN

HEMA

zaal

cafe restaurant

KANTOREN

WONEN

pompsluis

TUNNEL C&A

terras

TUNNEL autowas

VOSS

voetbrug

600

300

780

WONEN

parkeren in
2 lagen

VIOM & DREEMANN

supermarkt

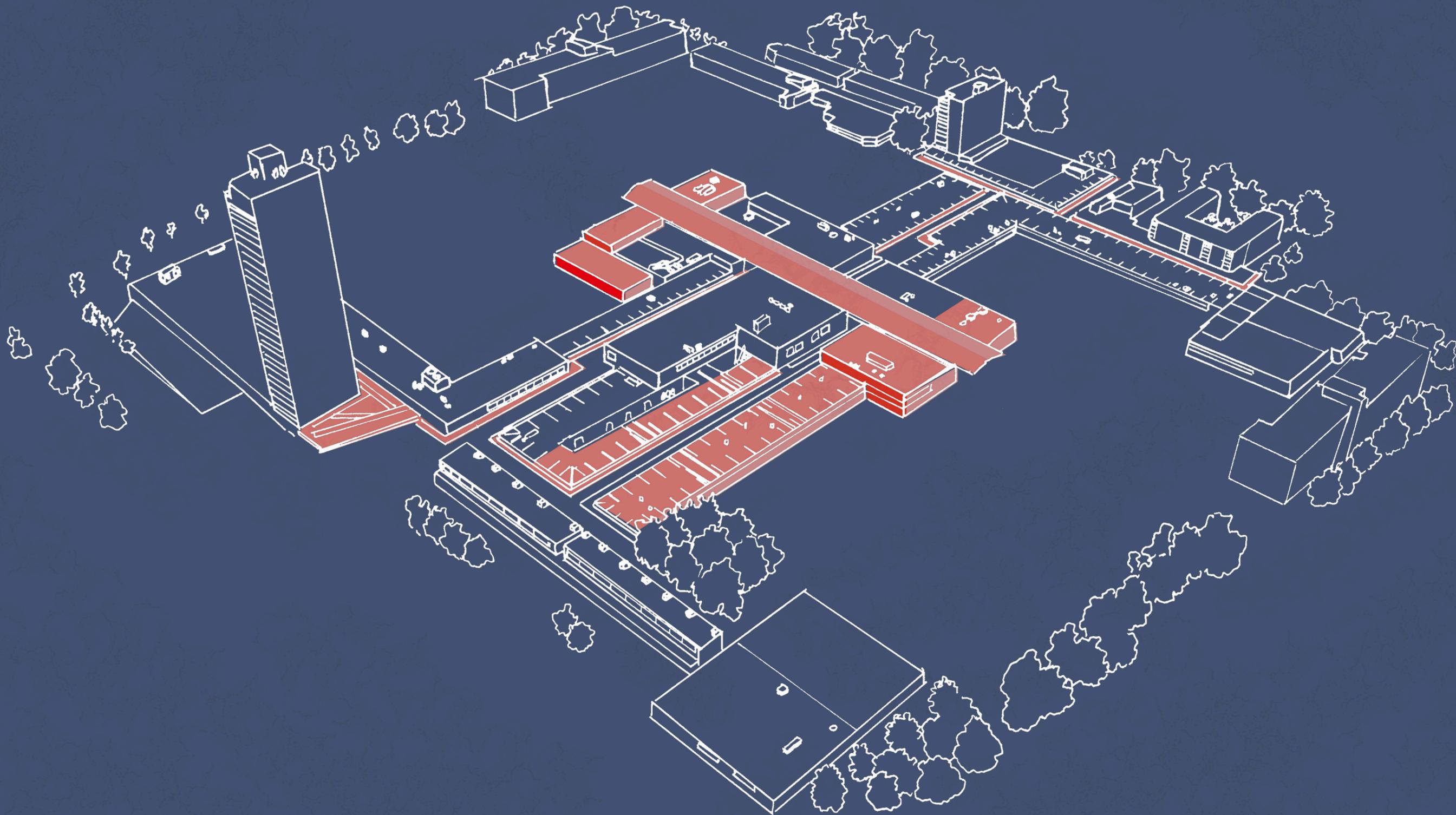
BIOSCOOP

terras

kiosken

bushalte

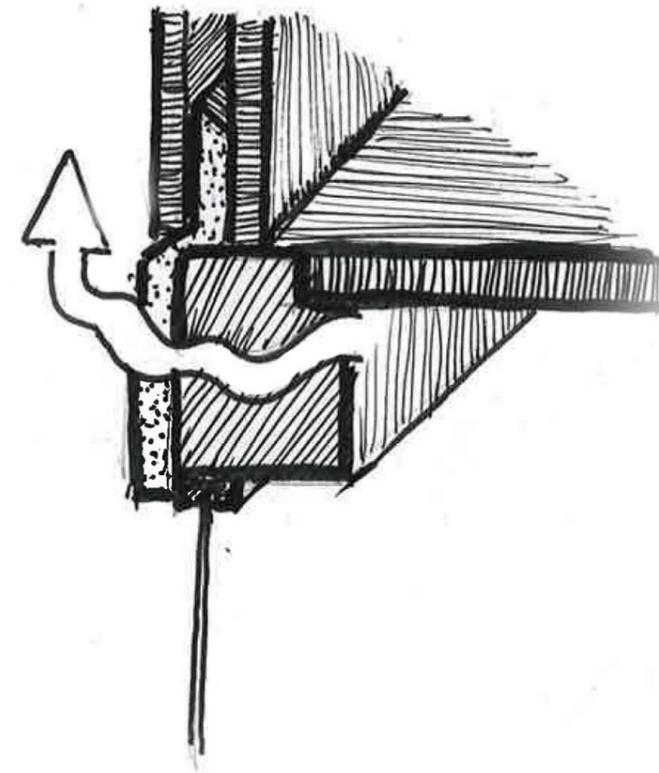


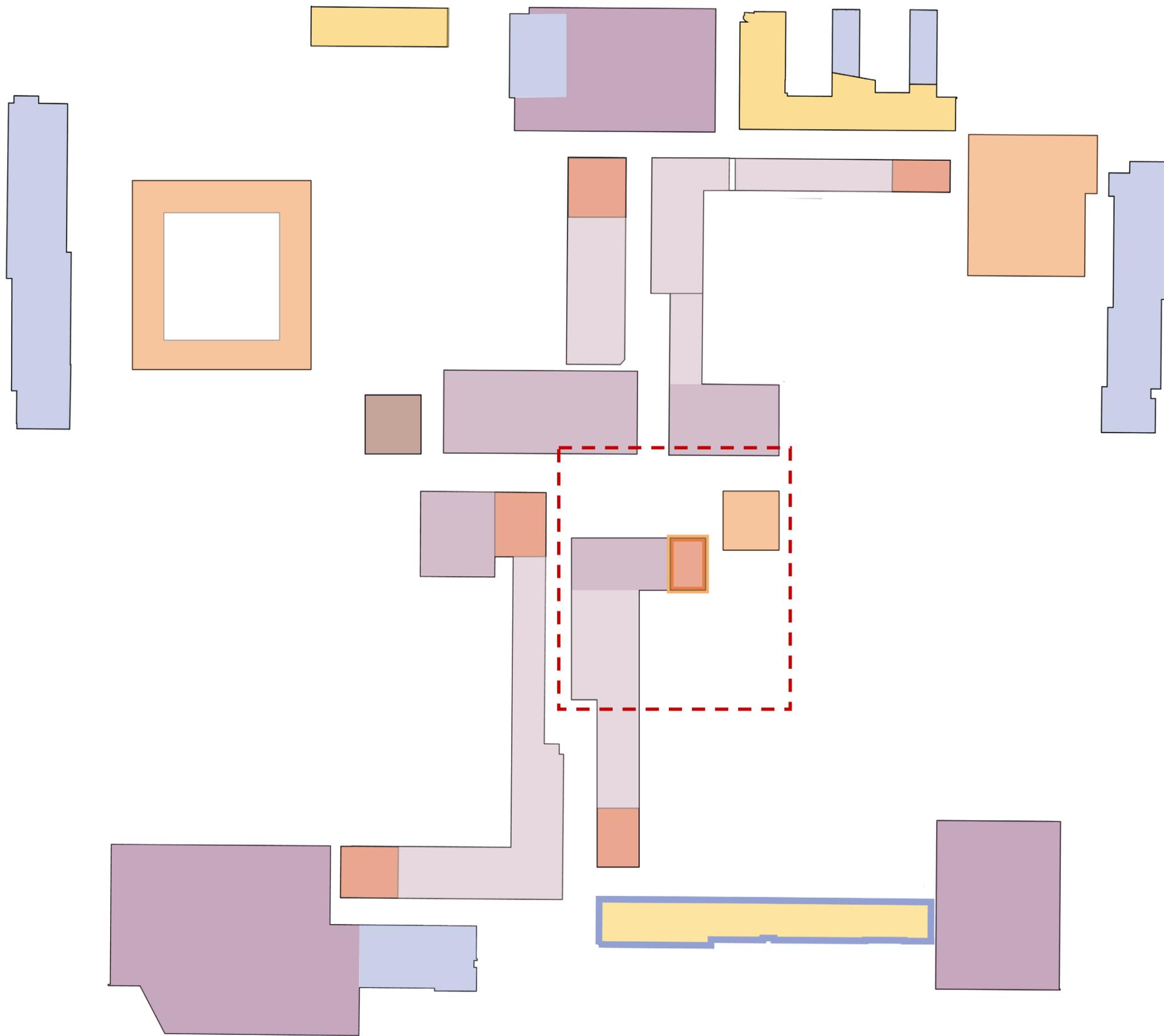


Cultural



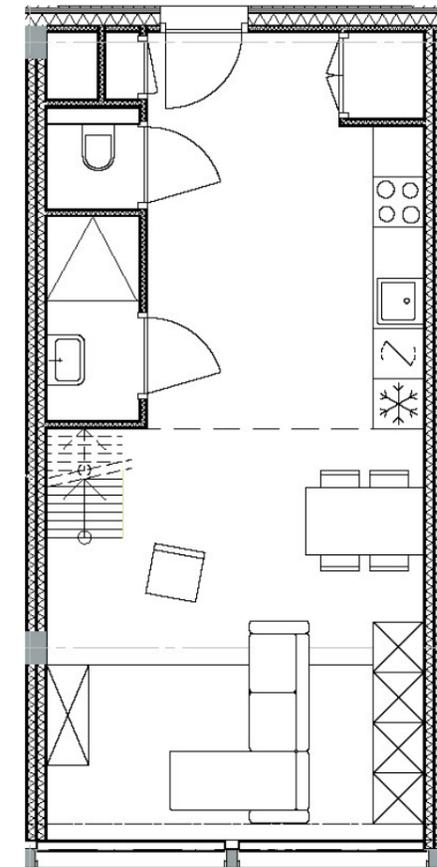
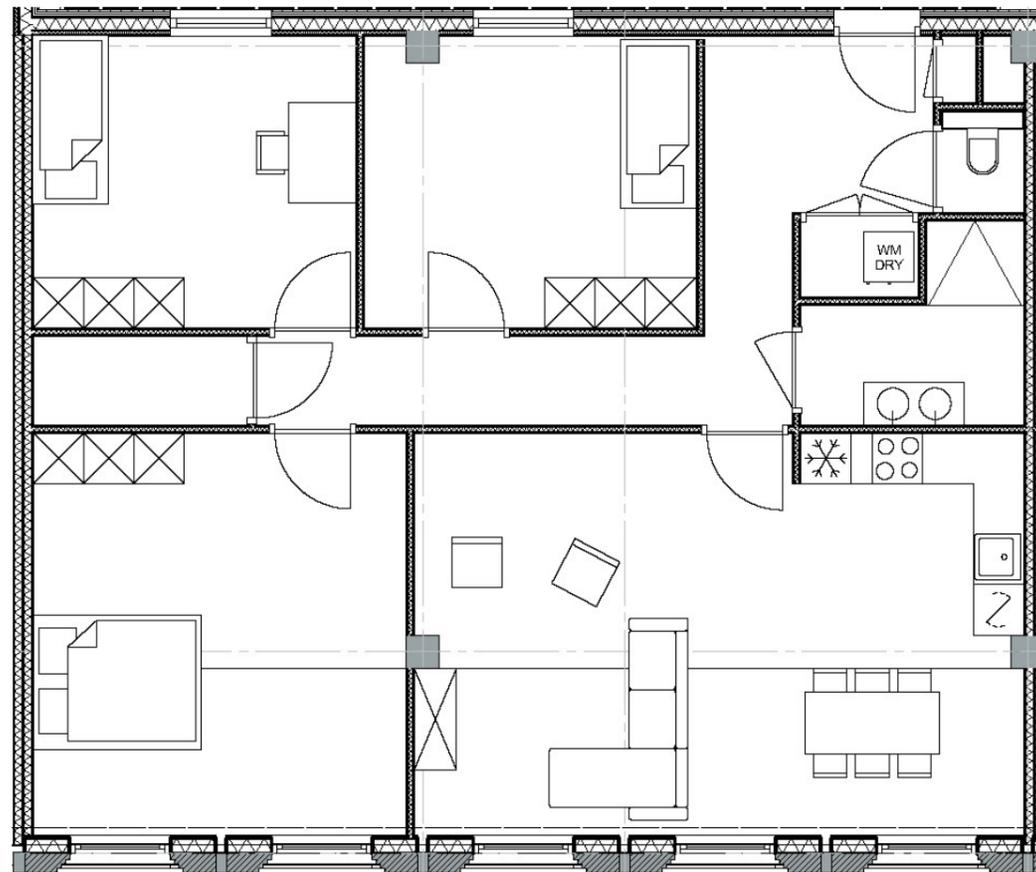
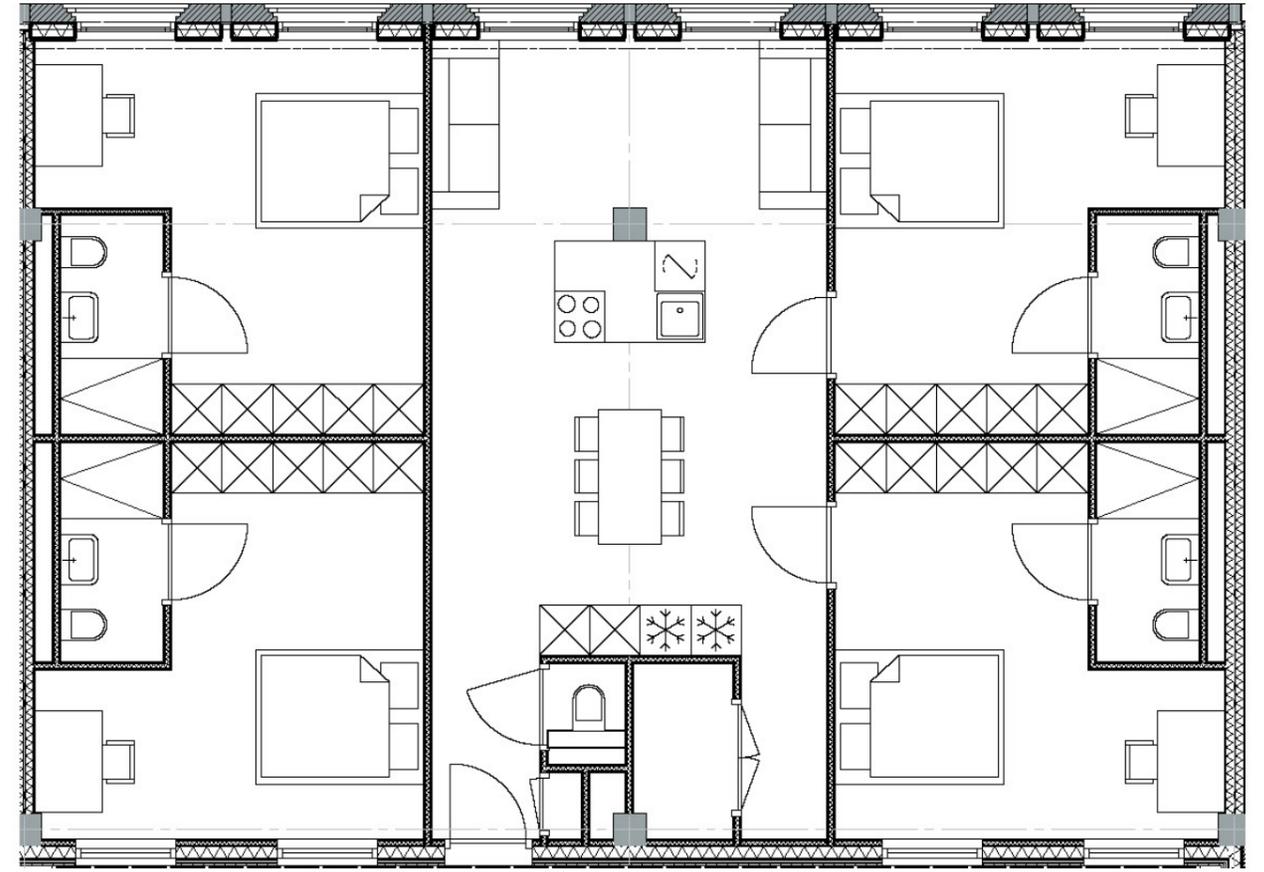
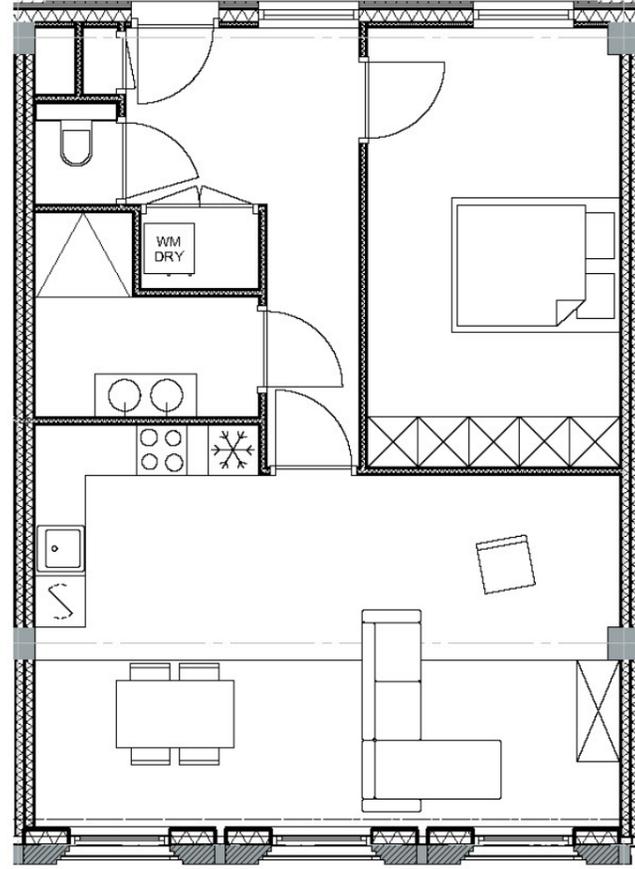
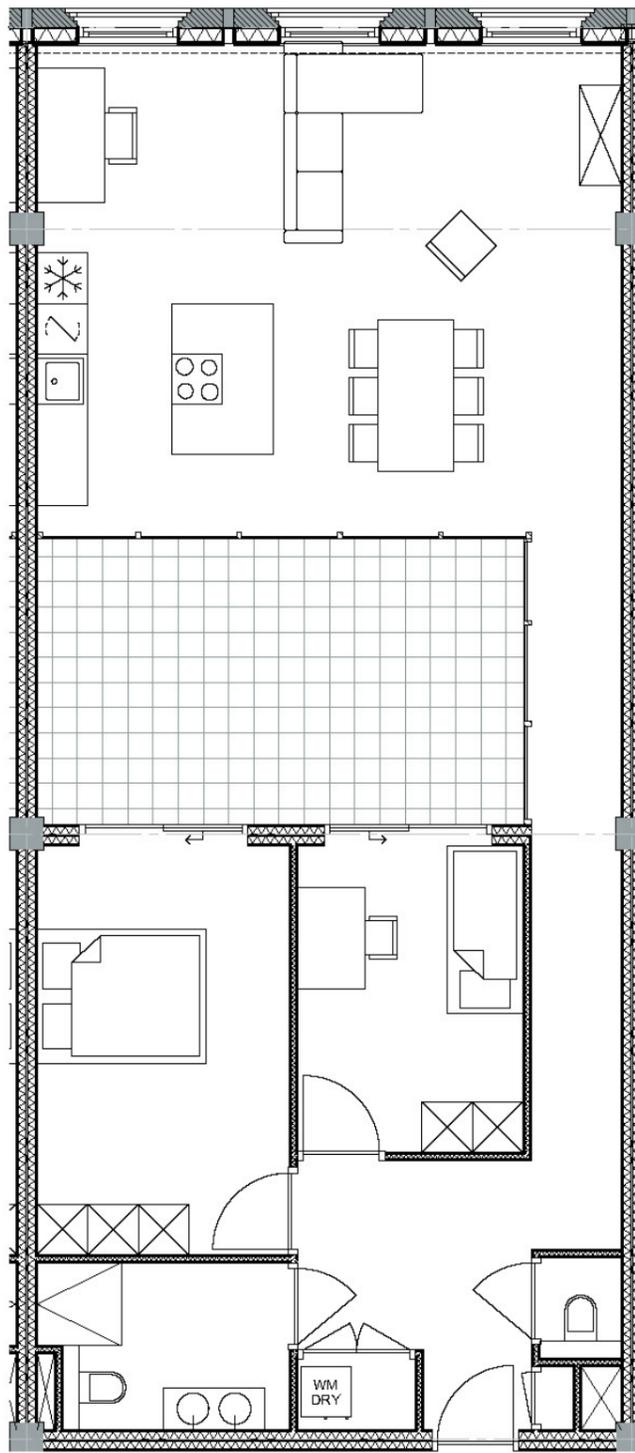
Sustainability

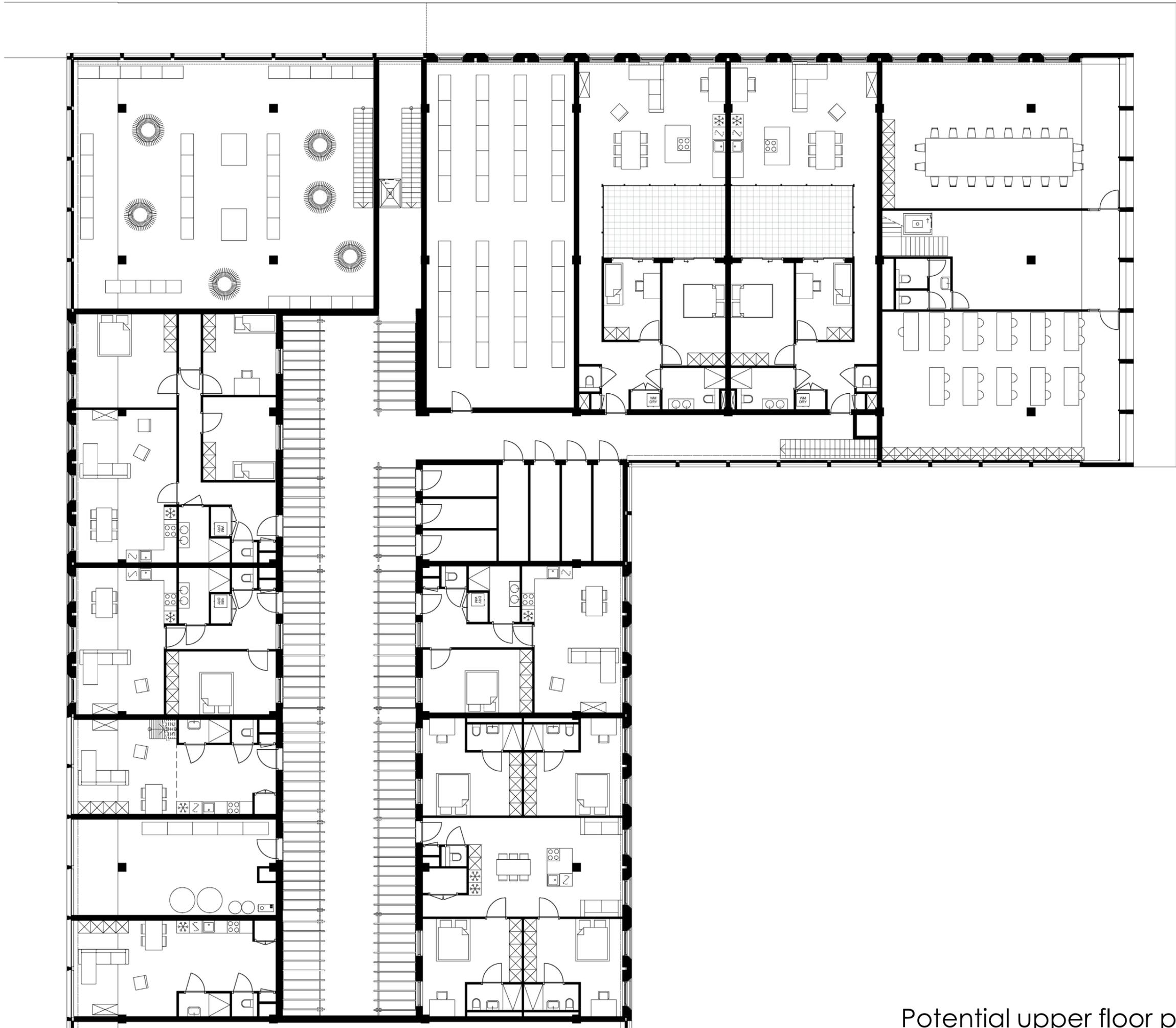




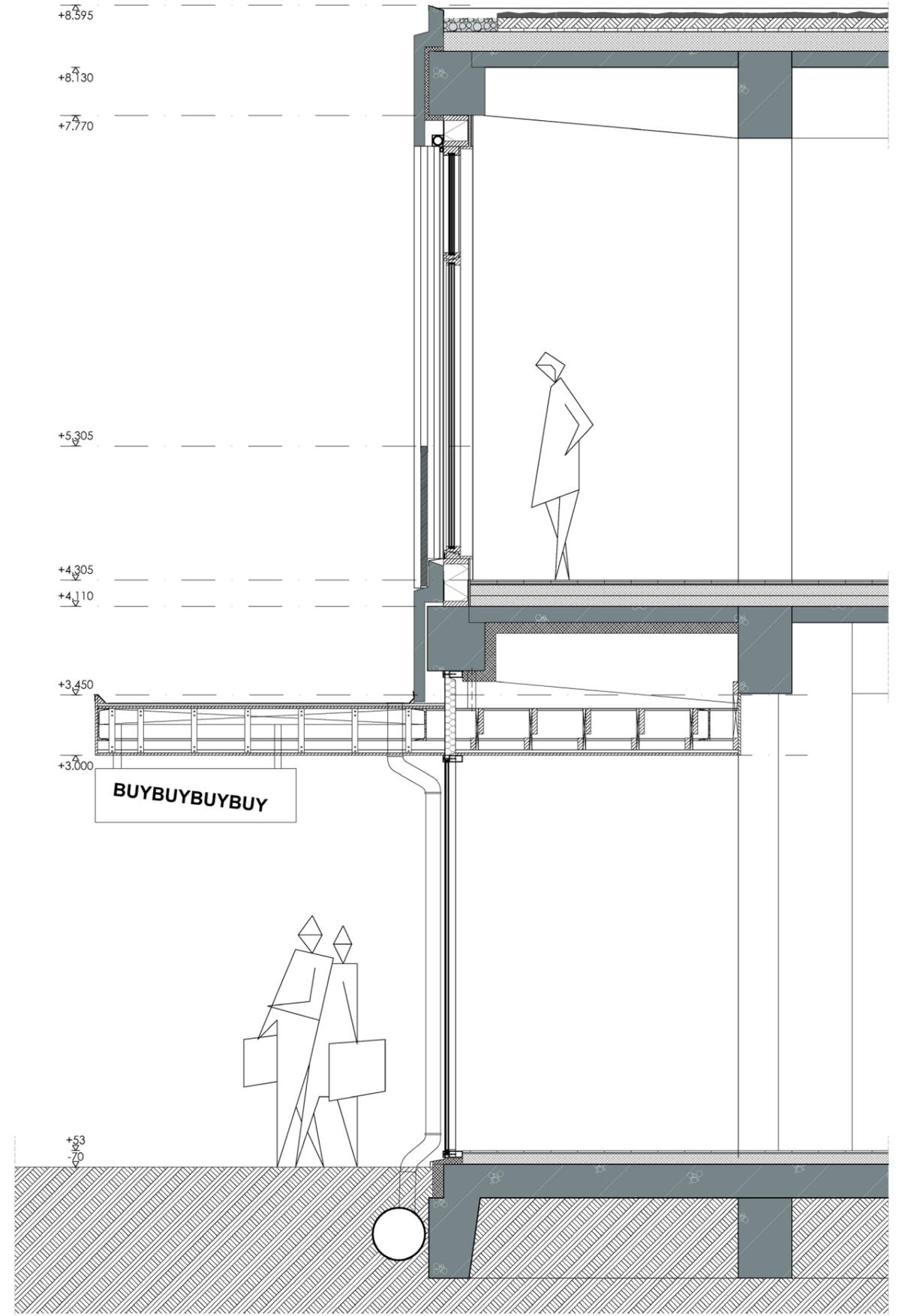
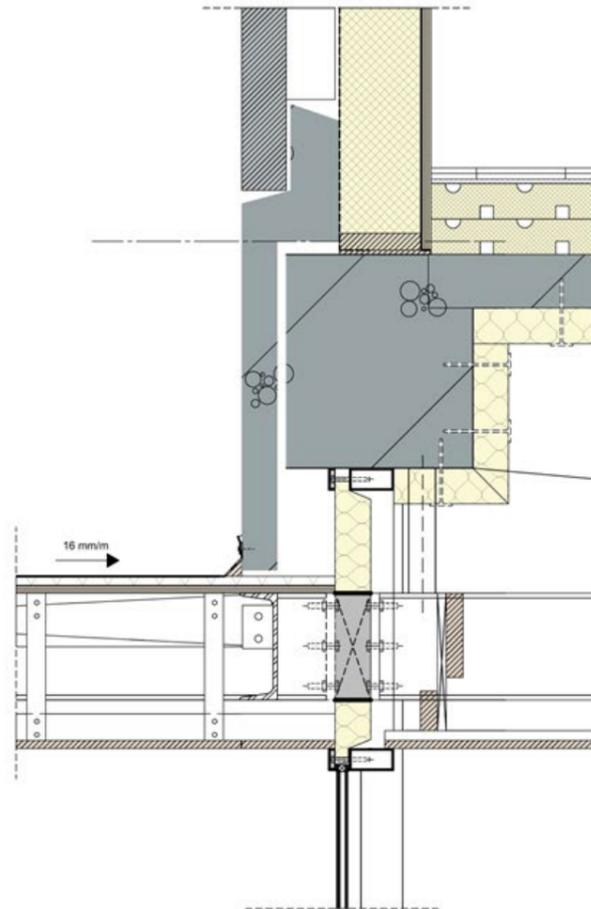
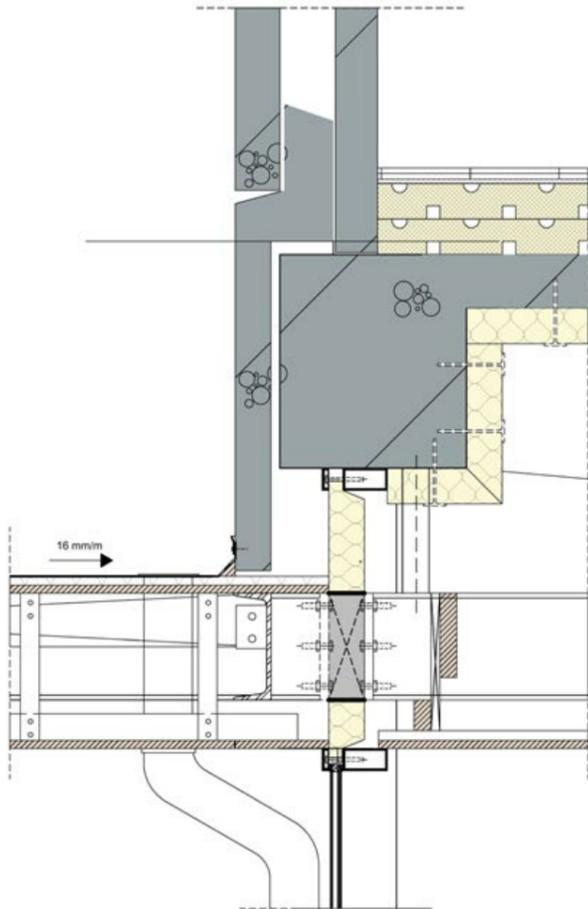
Legend - Functions

	Shops - S,M,L
	Community
	Restaurants/Cafés
	Ateliers
	Housing
	Technical



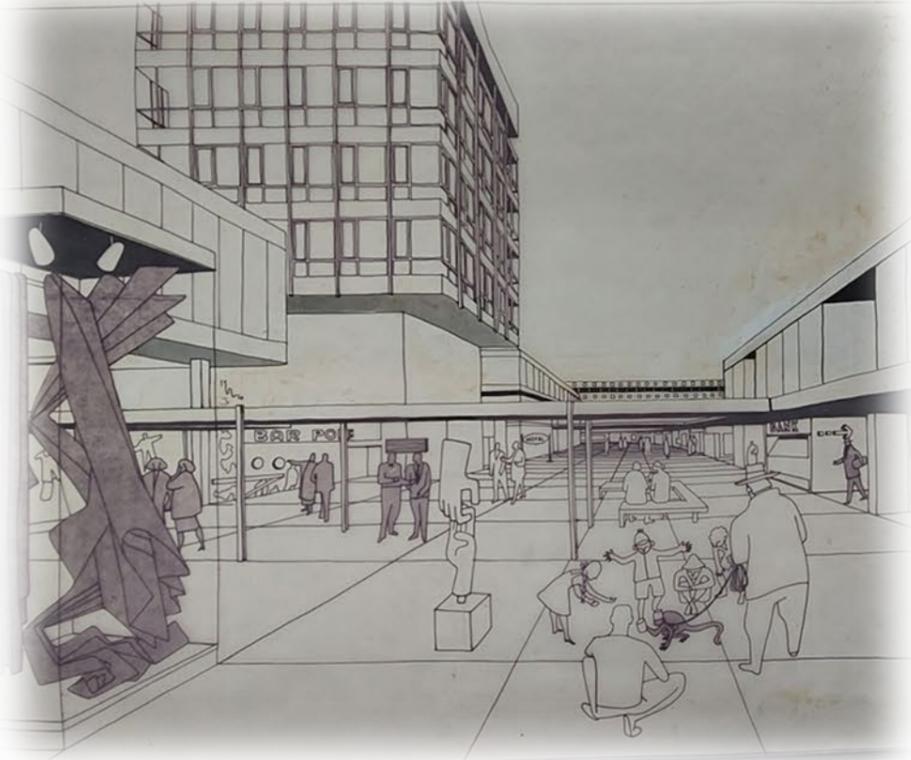


Potential upper floor plan 1:100

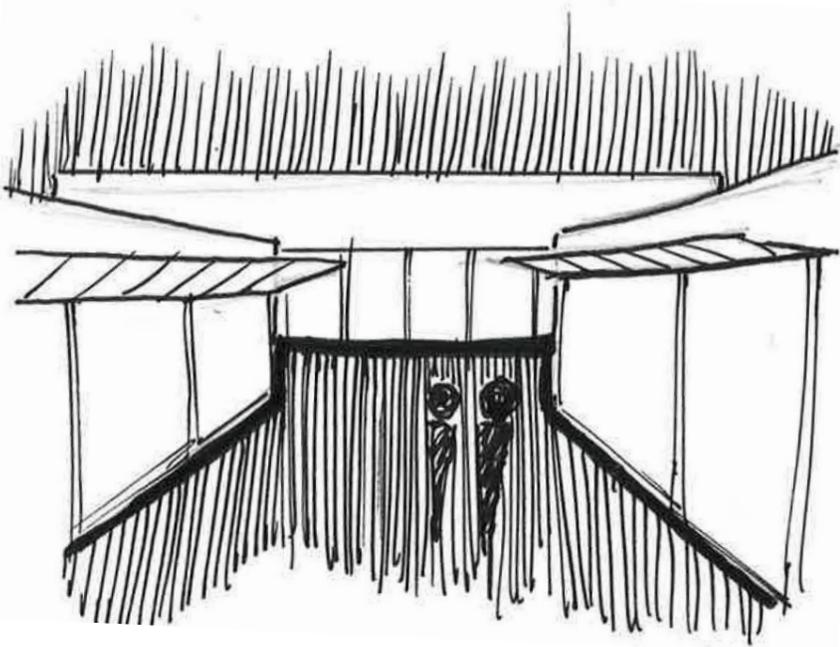


Section 1:20 & details 1:5

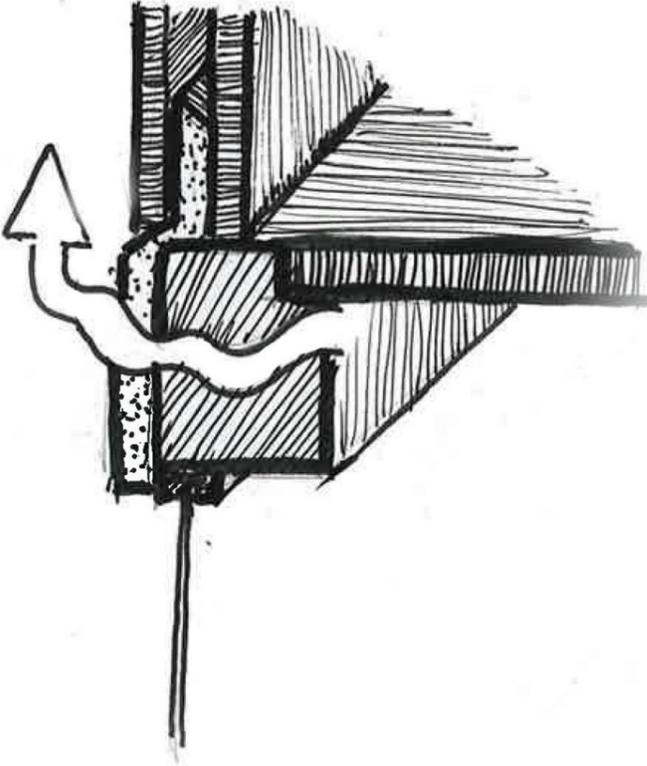
Conceptual



Public space



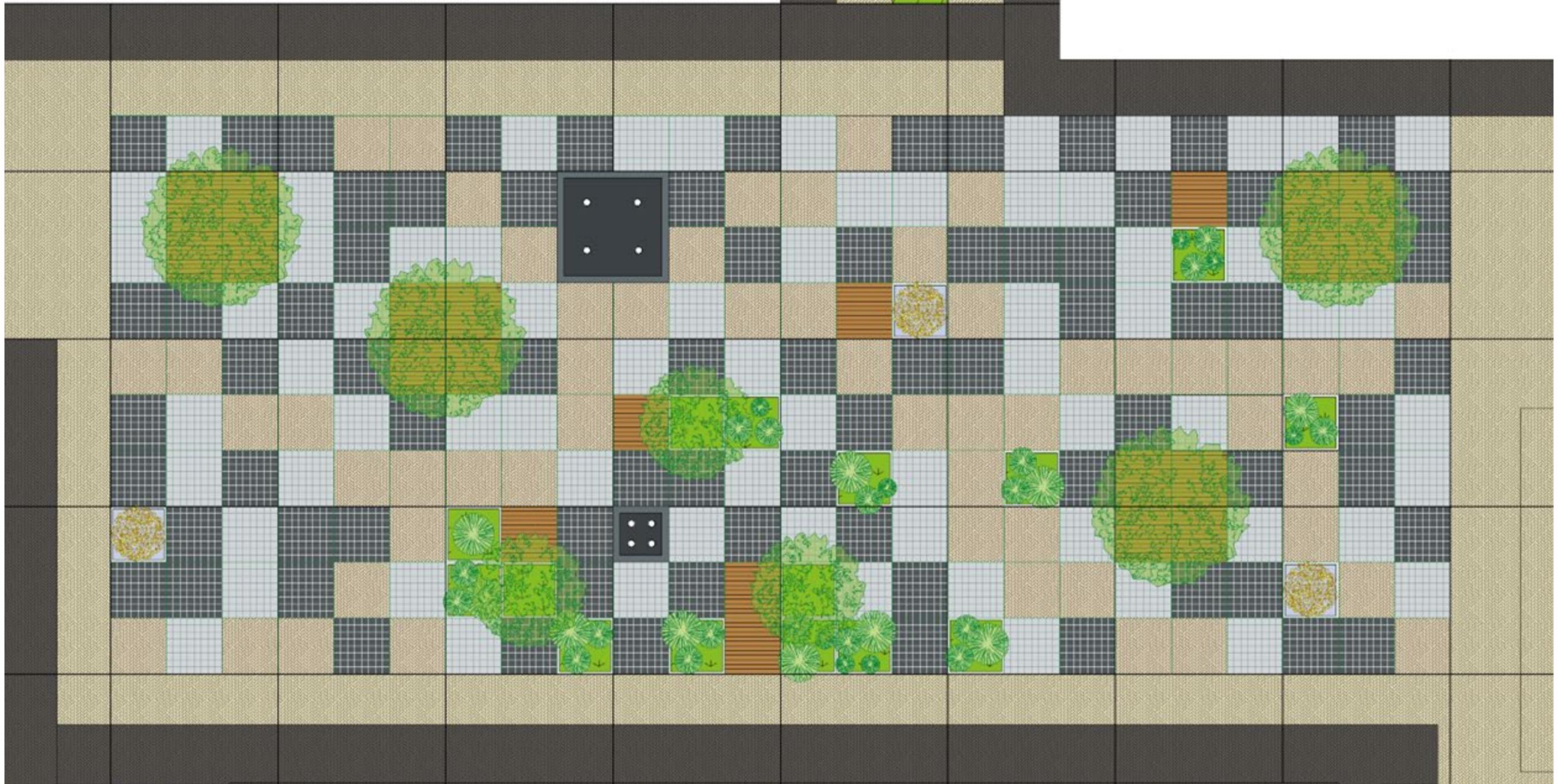
Sustainability



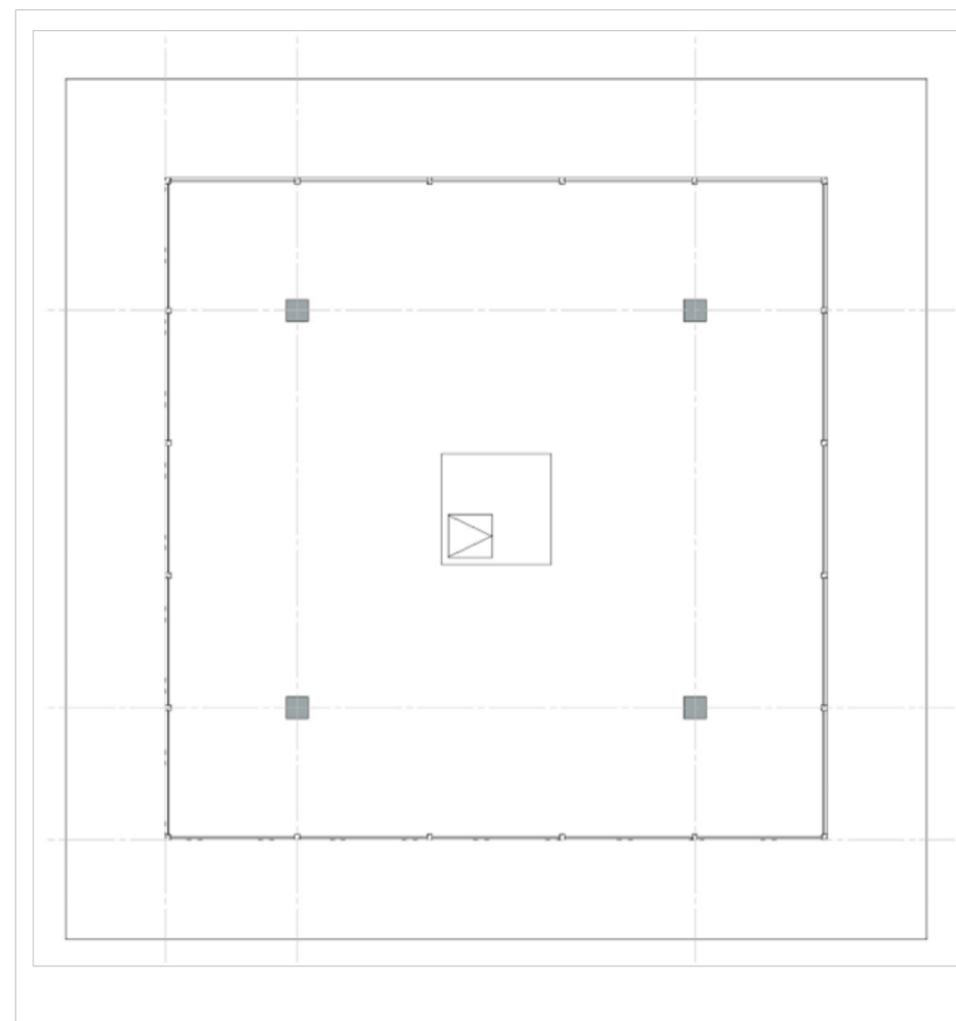
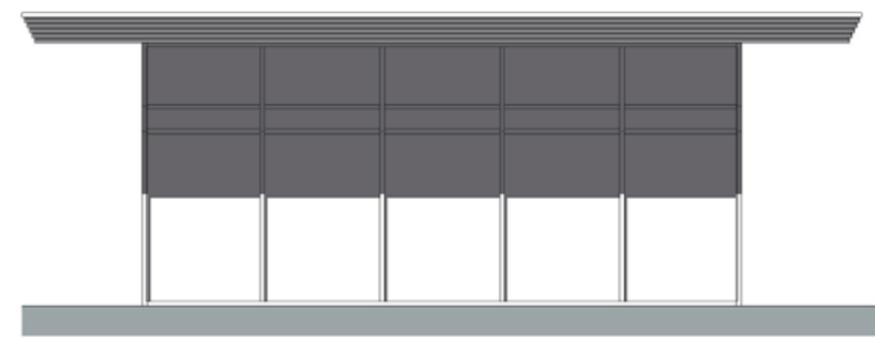
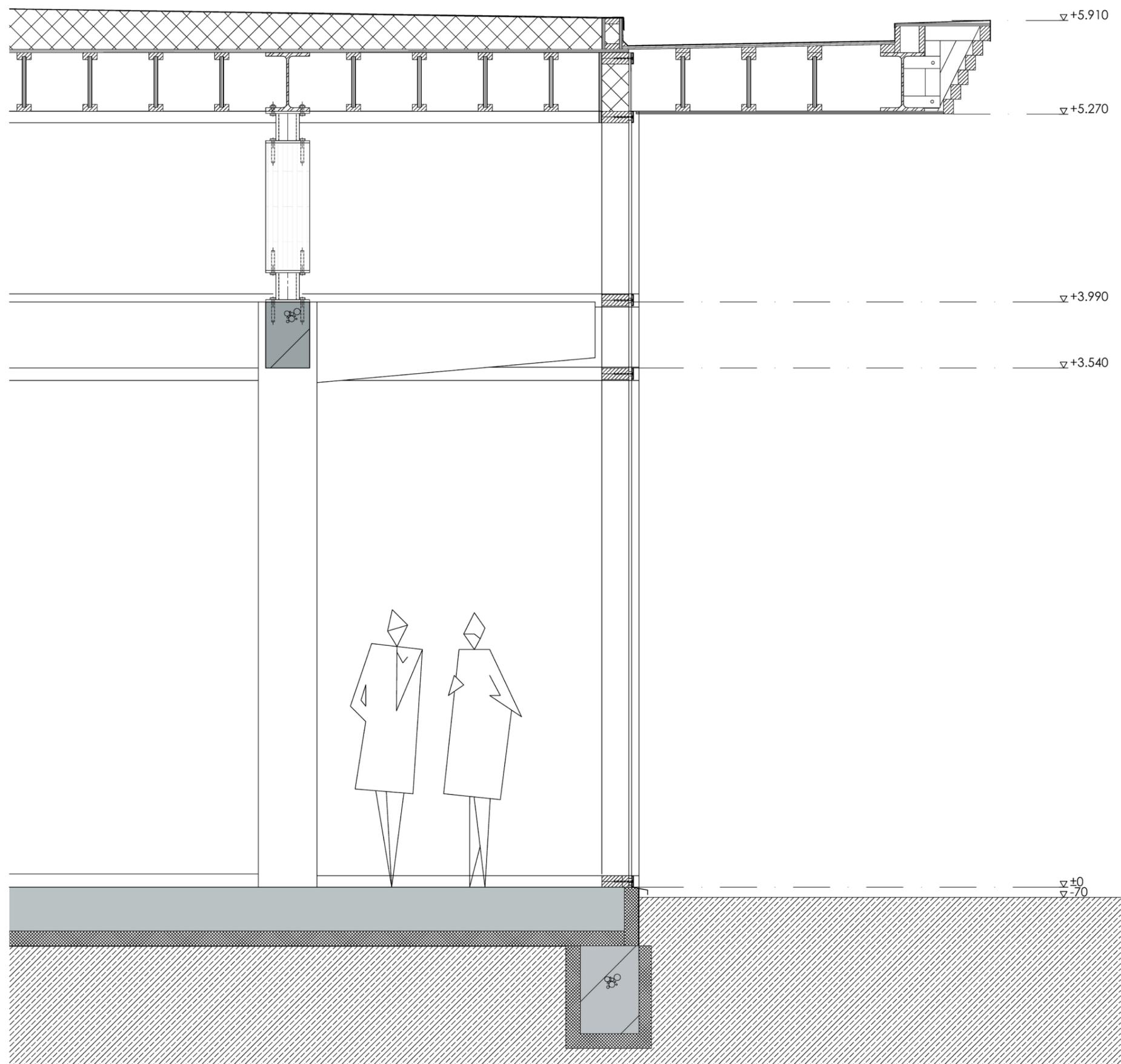




Façade fragment 1:20



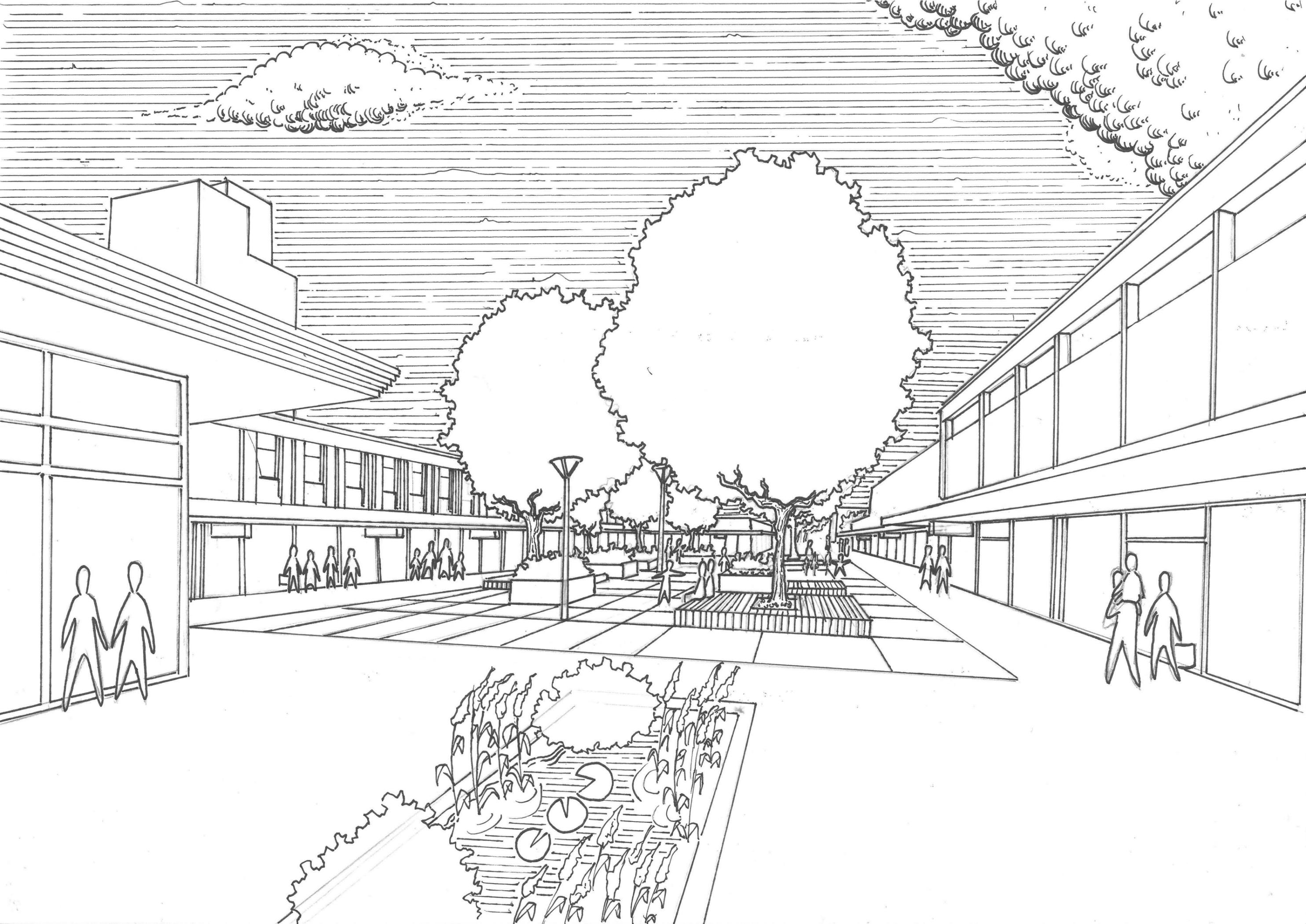
Main square 1:100

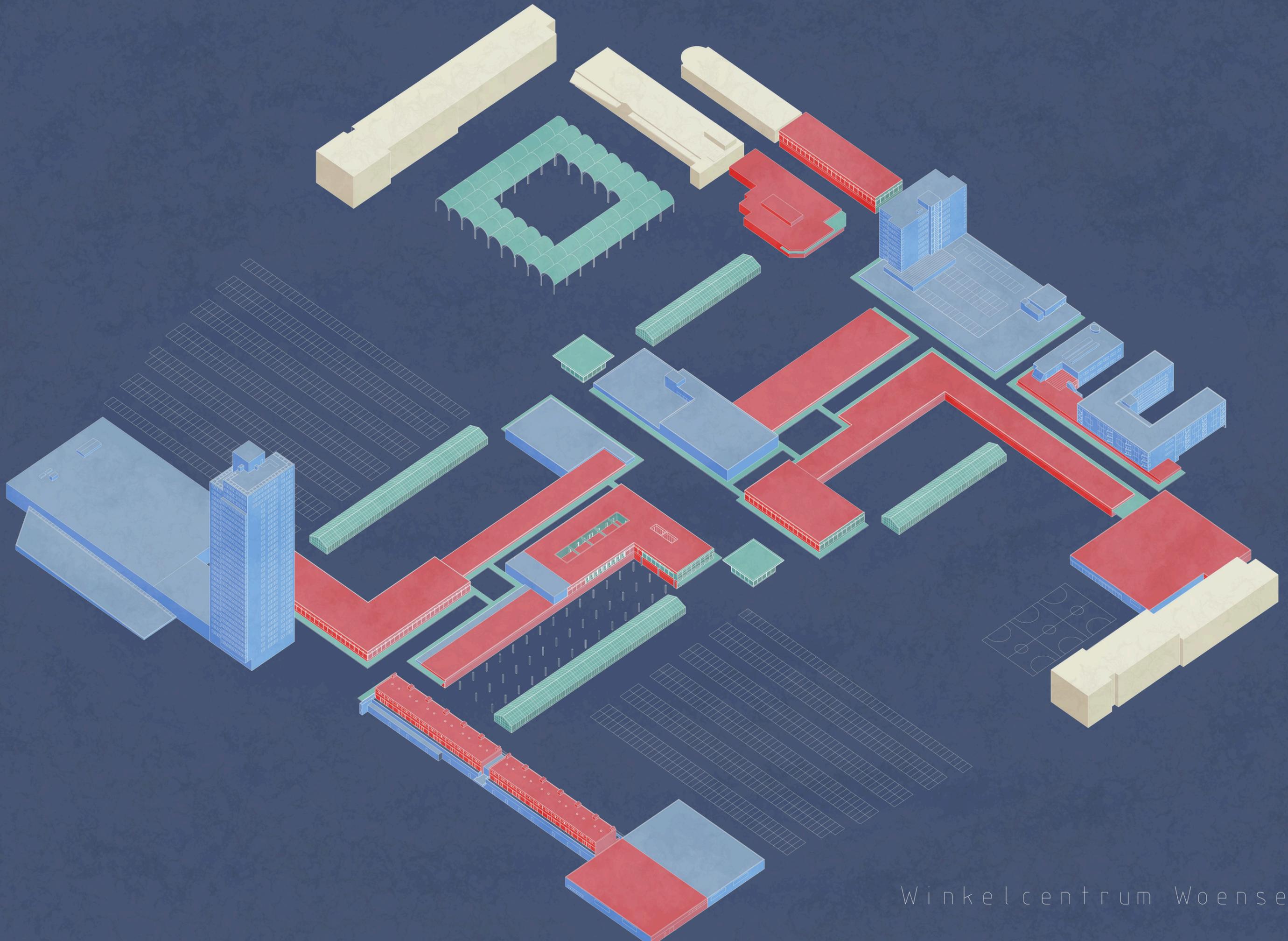


Pavillion fragment 1:20 & façade, floorplan 1:100

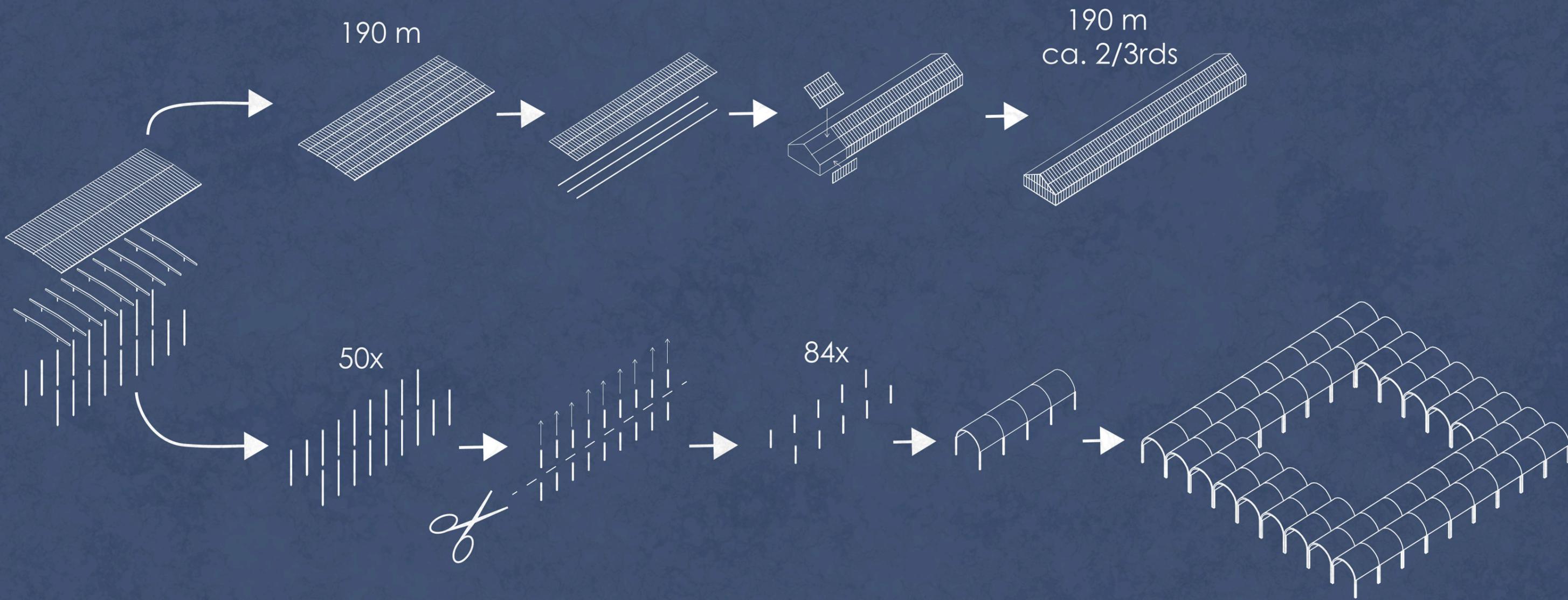


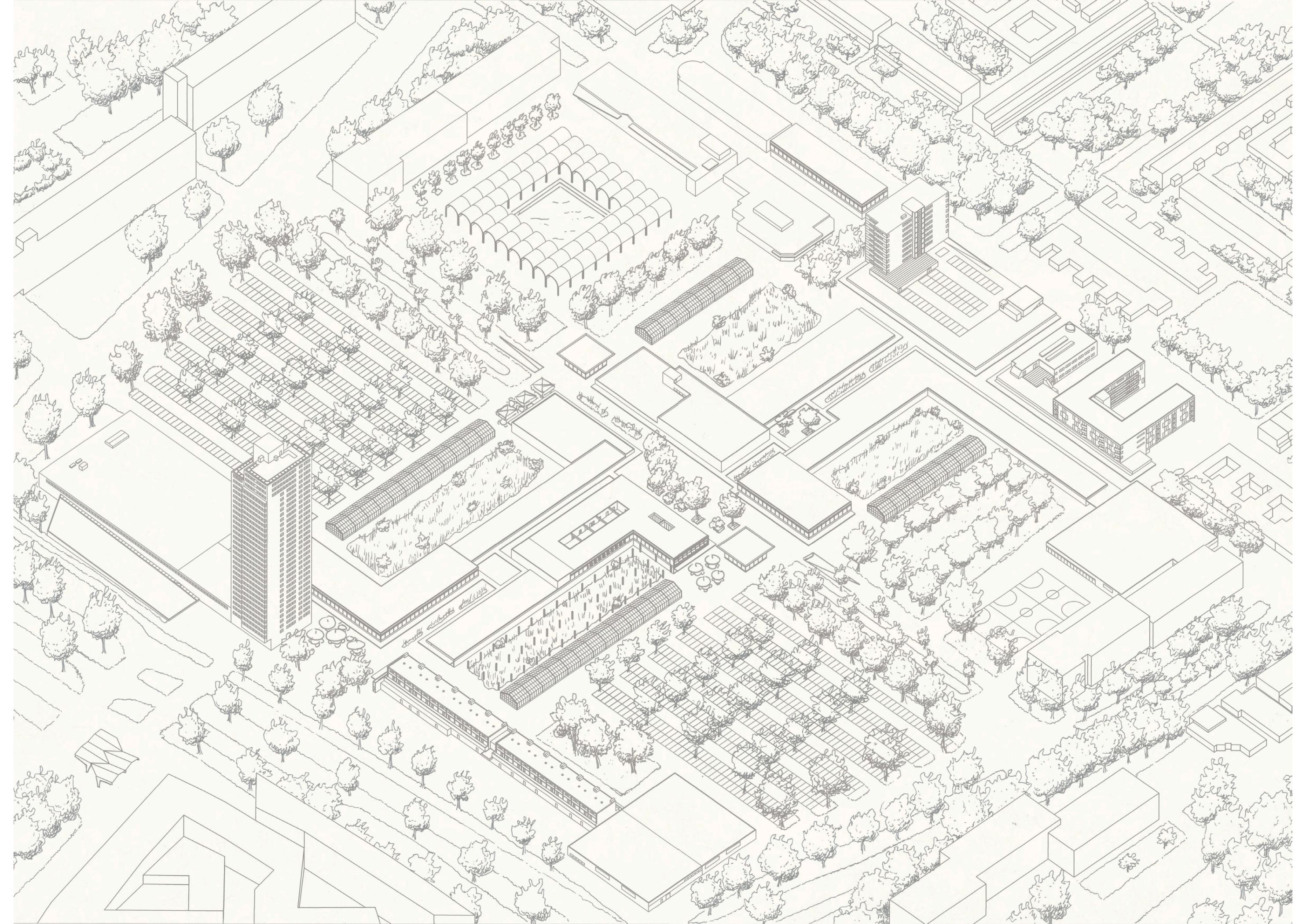


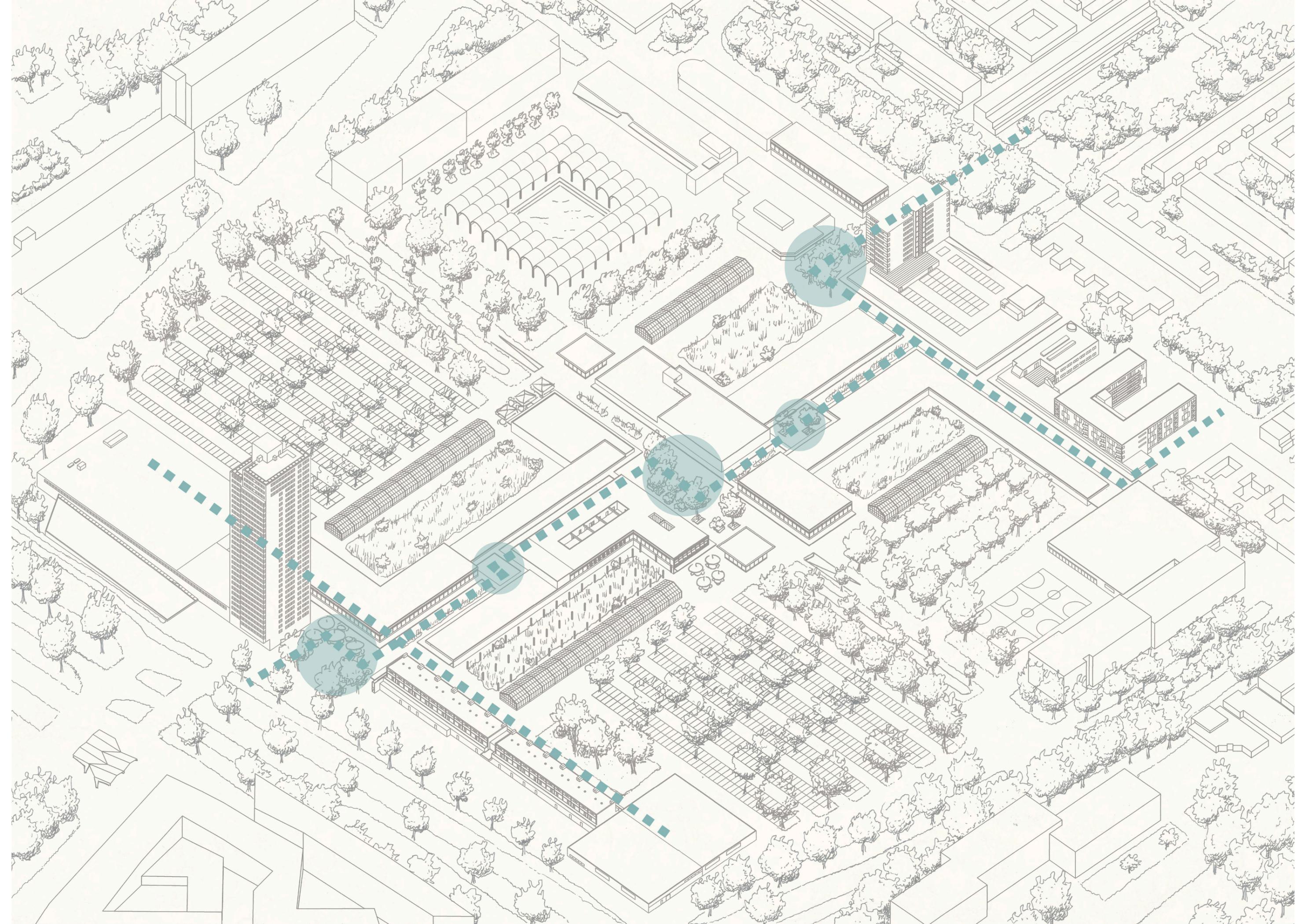


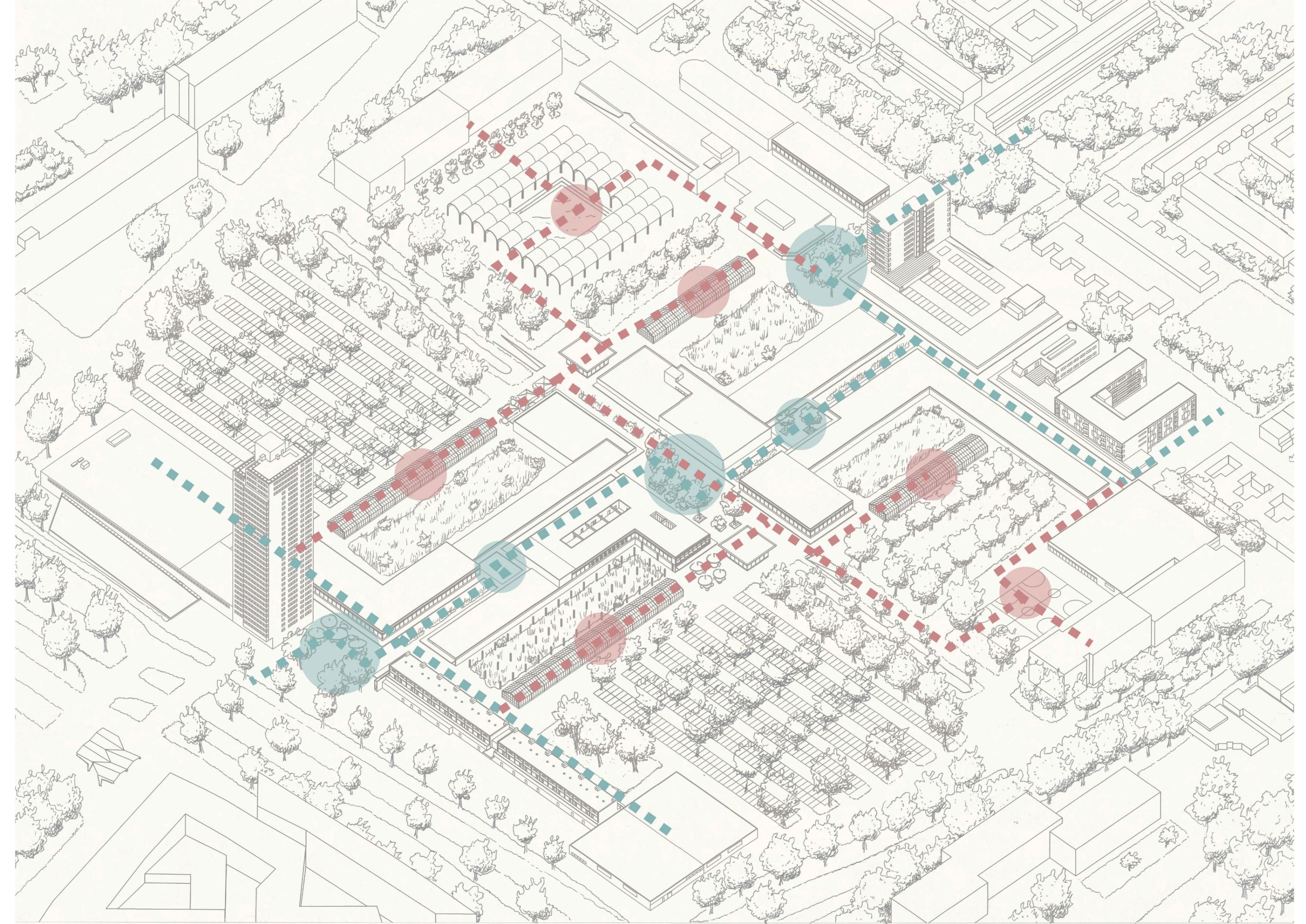


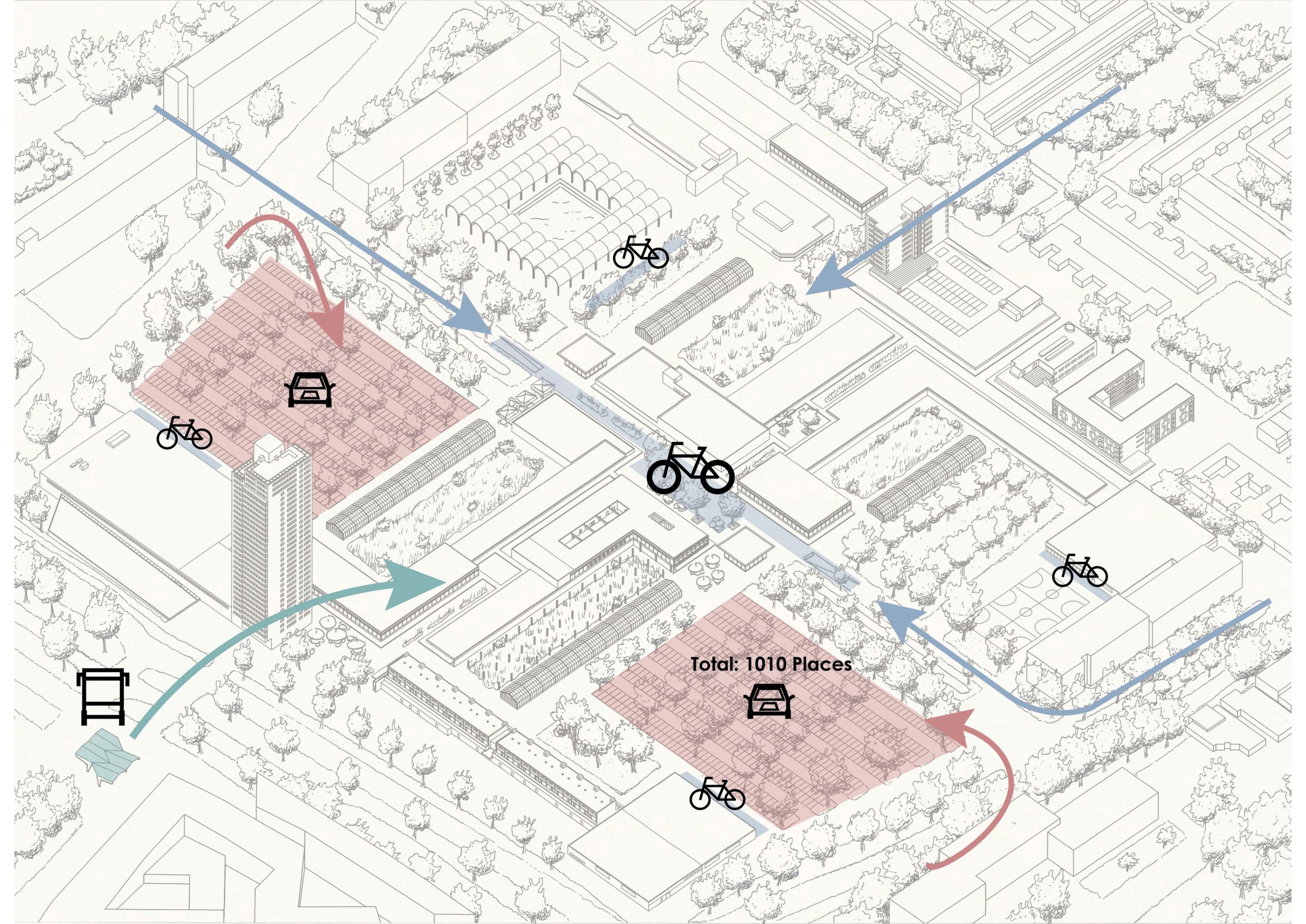
Winkelcentrum Woensel





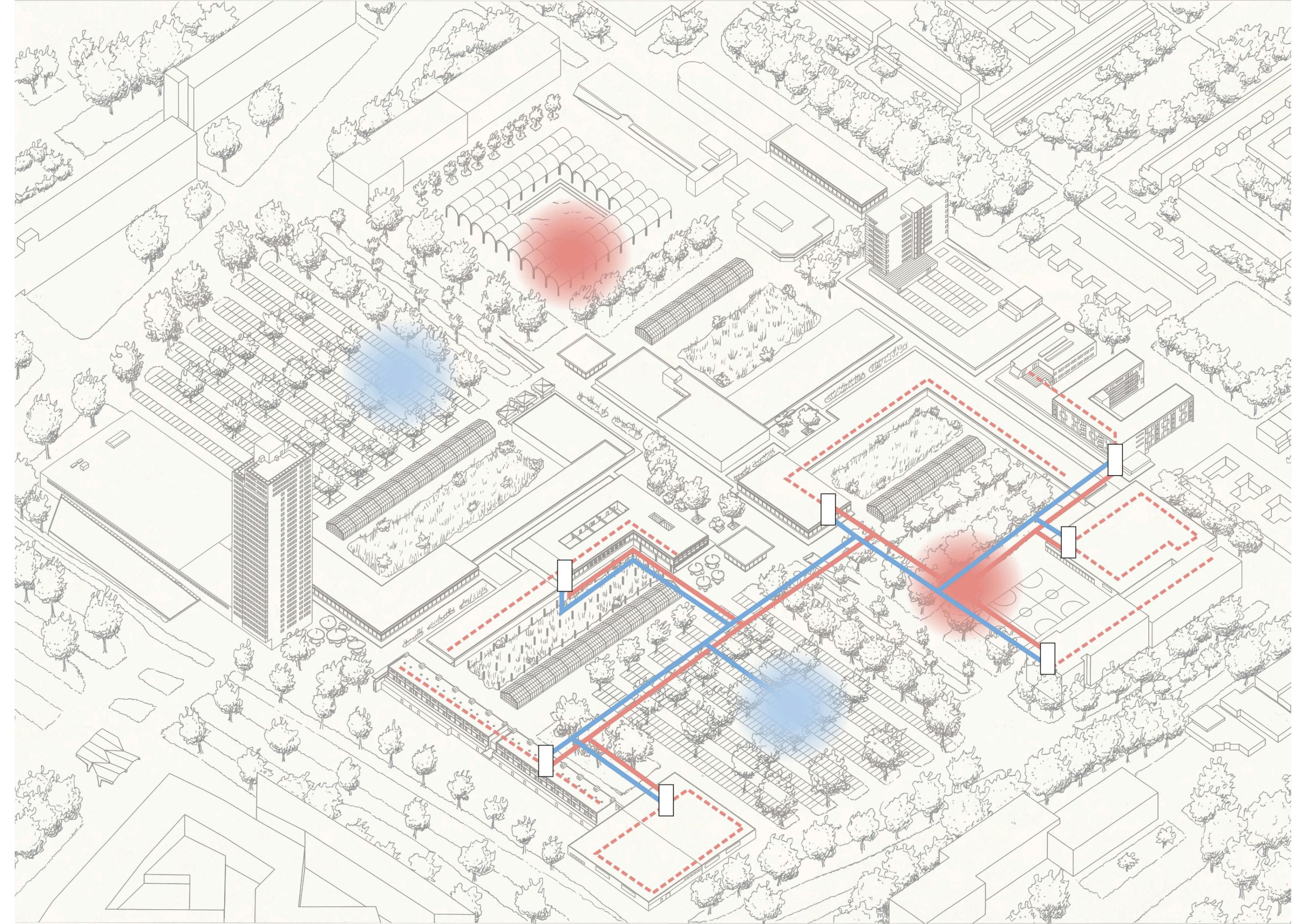






Total: 1010 Places



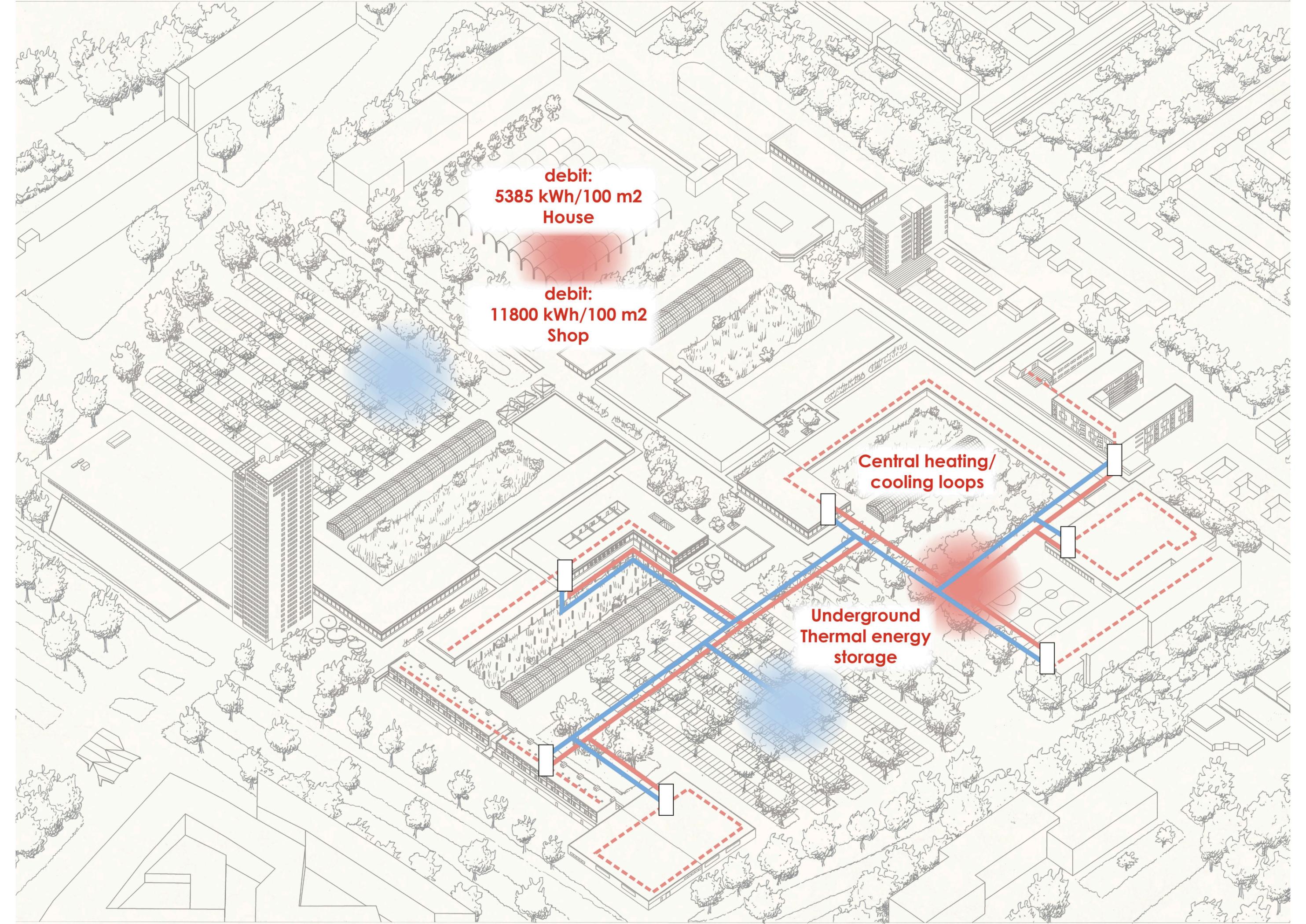


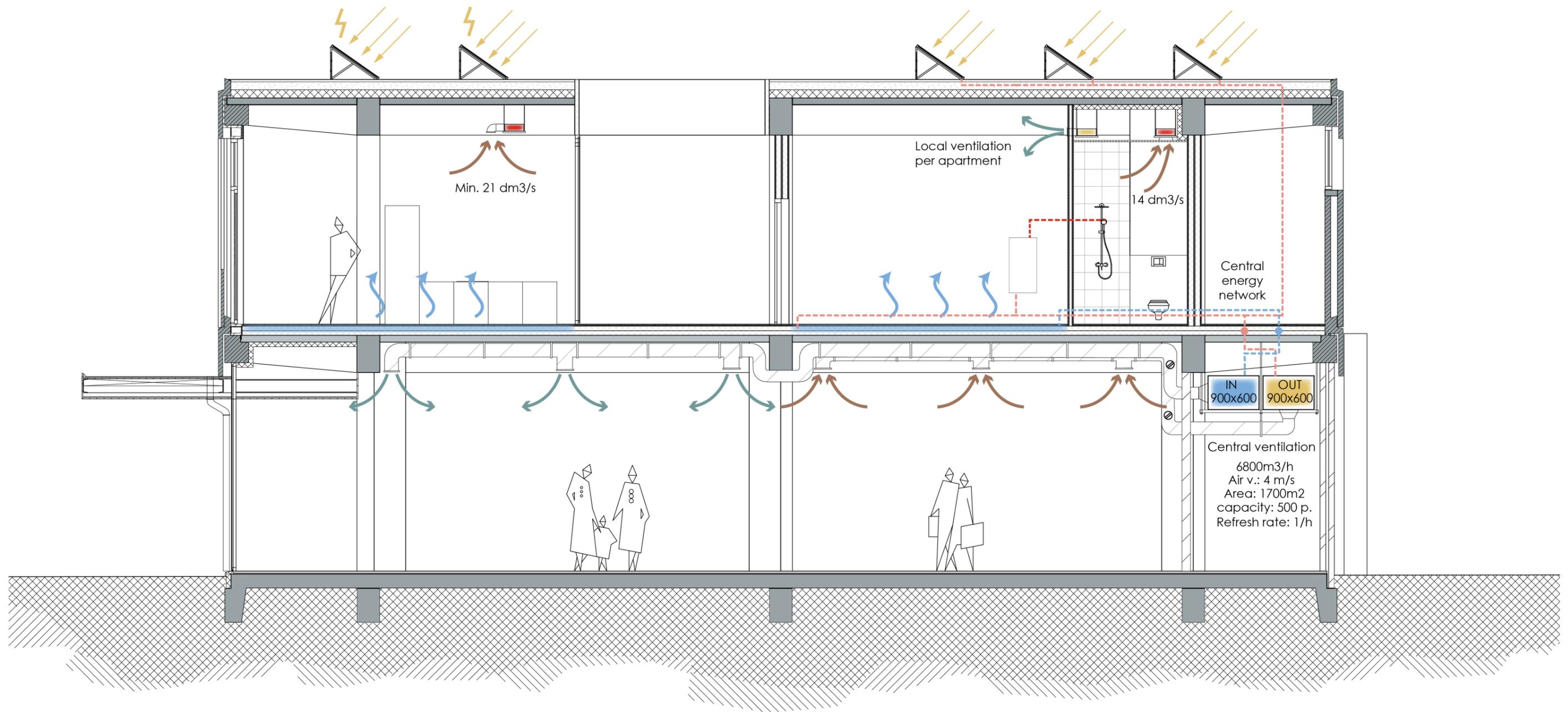
debit:
5385 kWh/100 m²
House

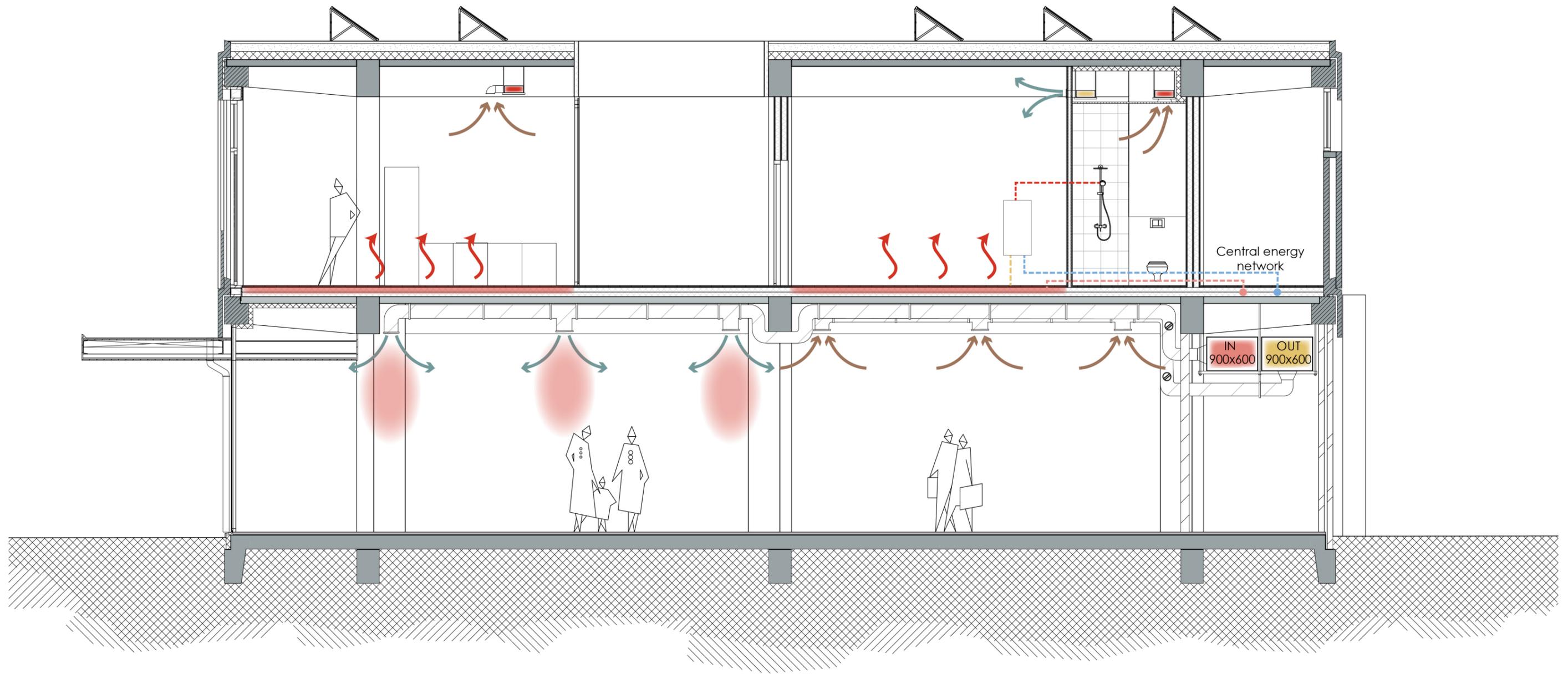
debit:
11800 kWh/100 m²
Shop

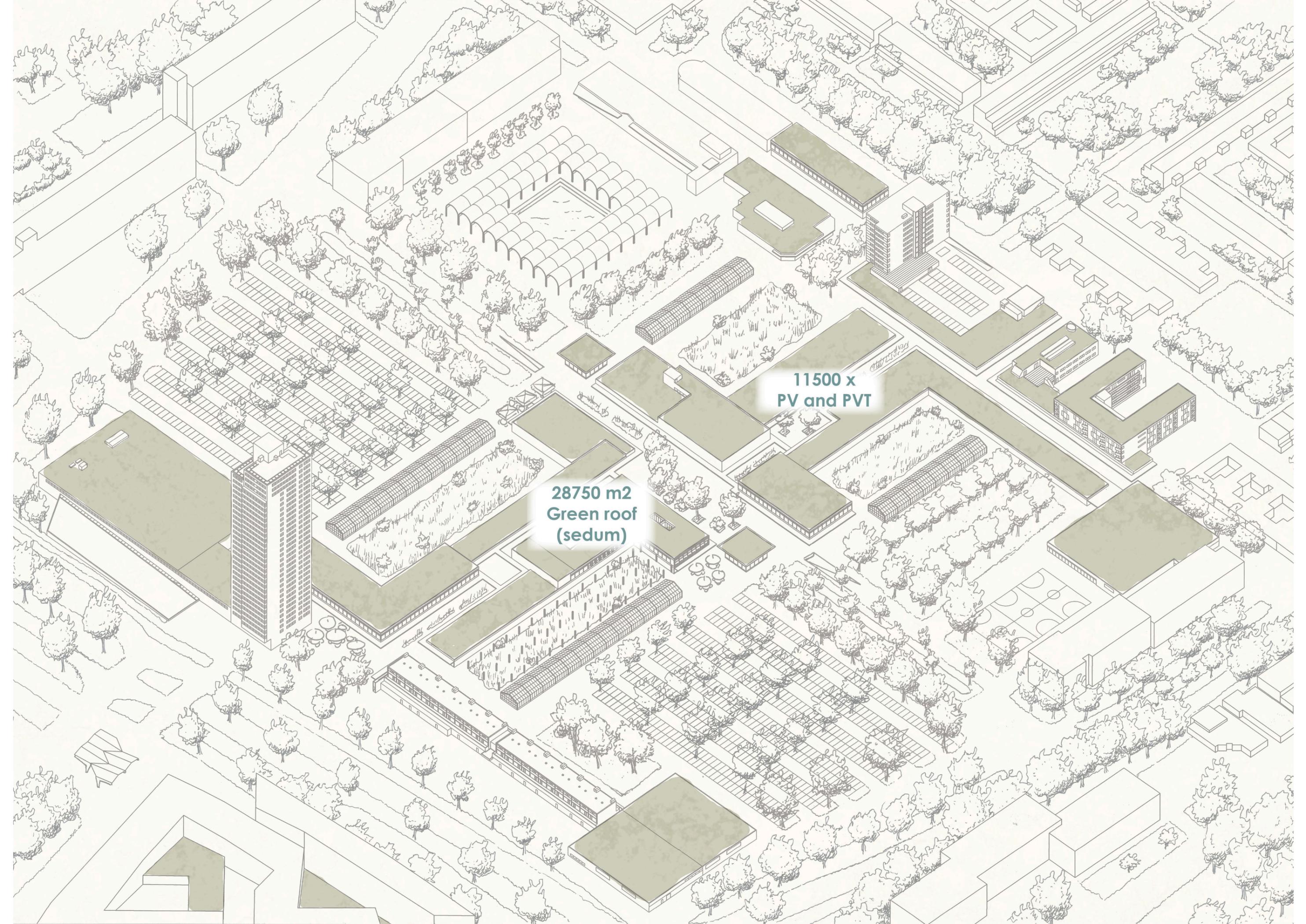
Central heating/
cooling loops

Underground
Thermal energy
storage



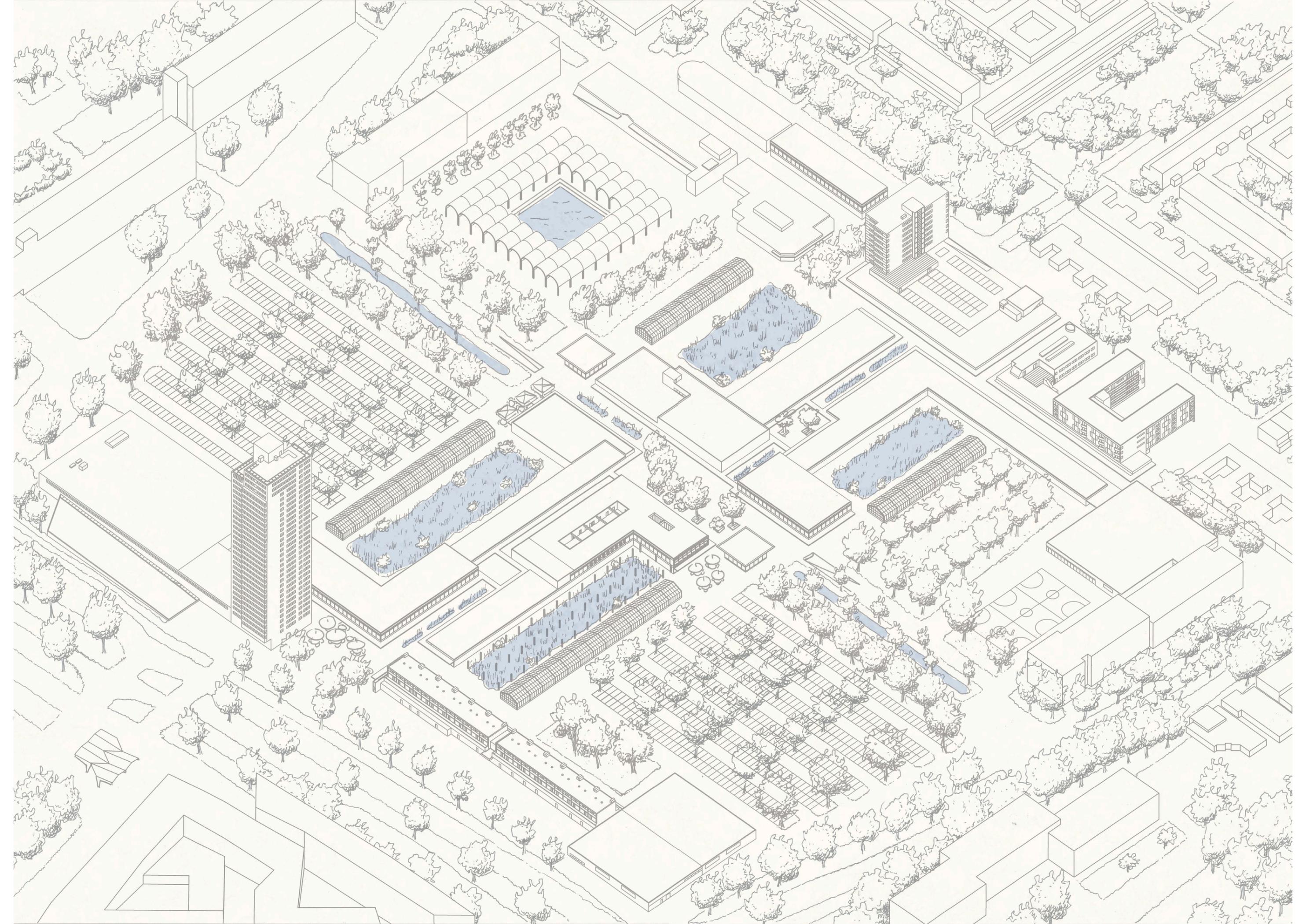


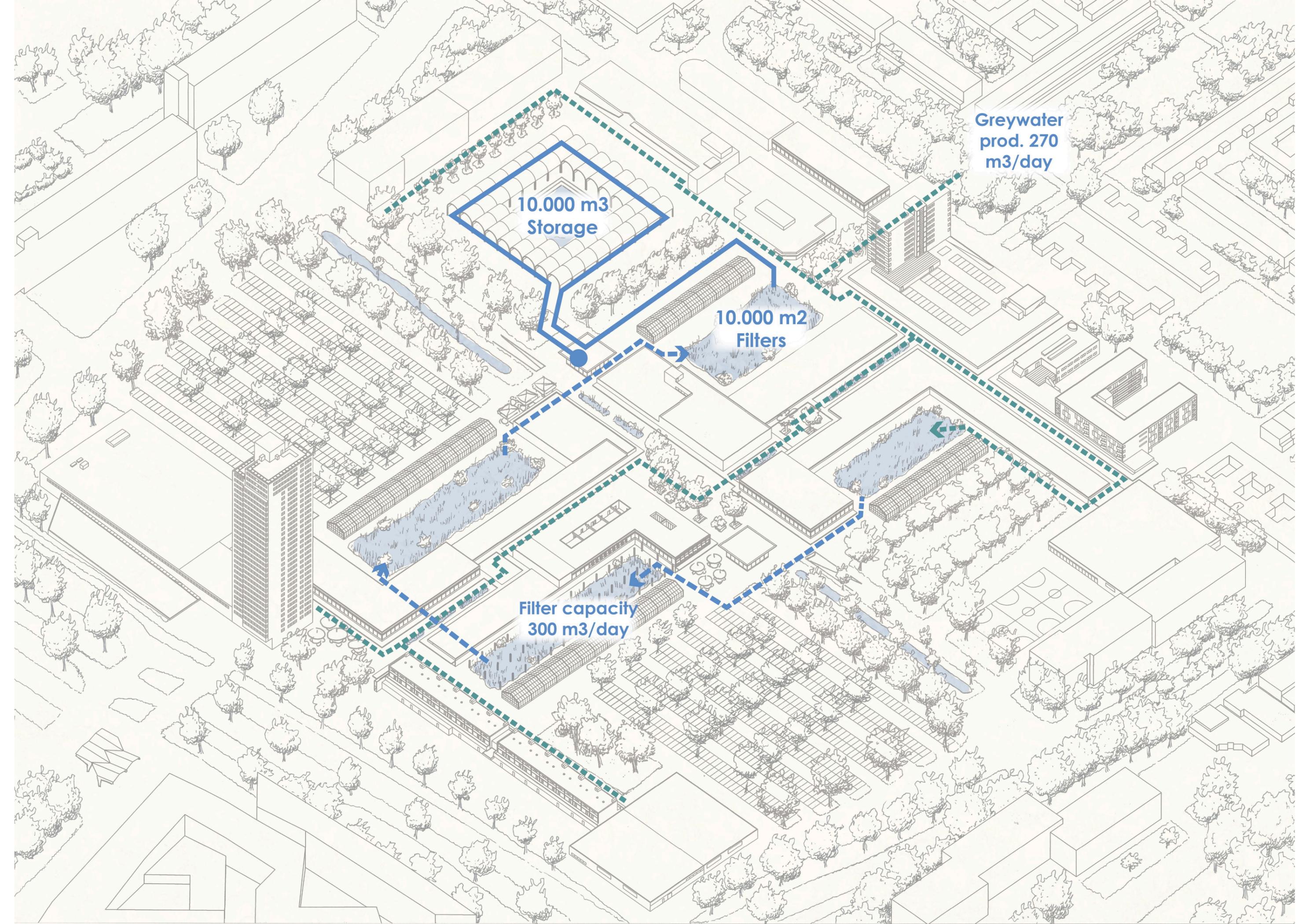




28750 m2
Green roof
(sedum)

11500 x
PV and PVT





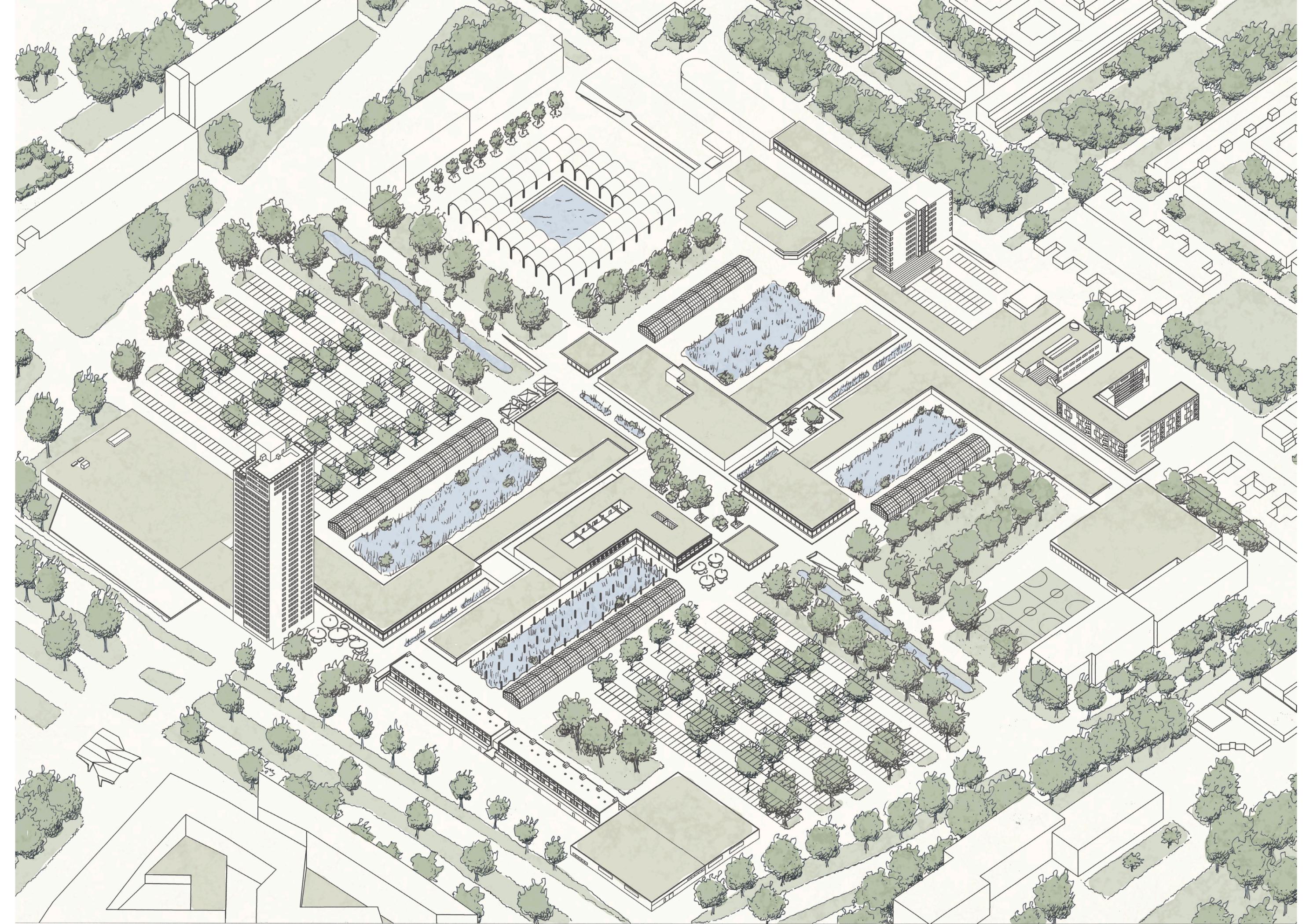
Greywater
prod. 270
m³/day

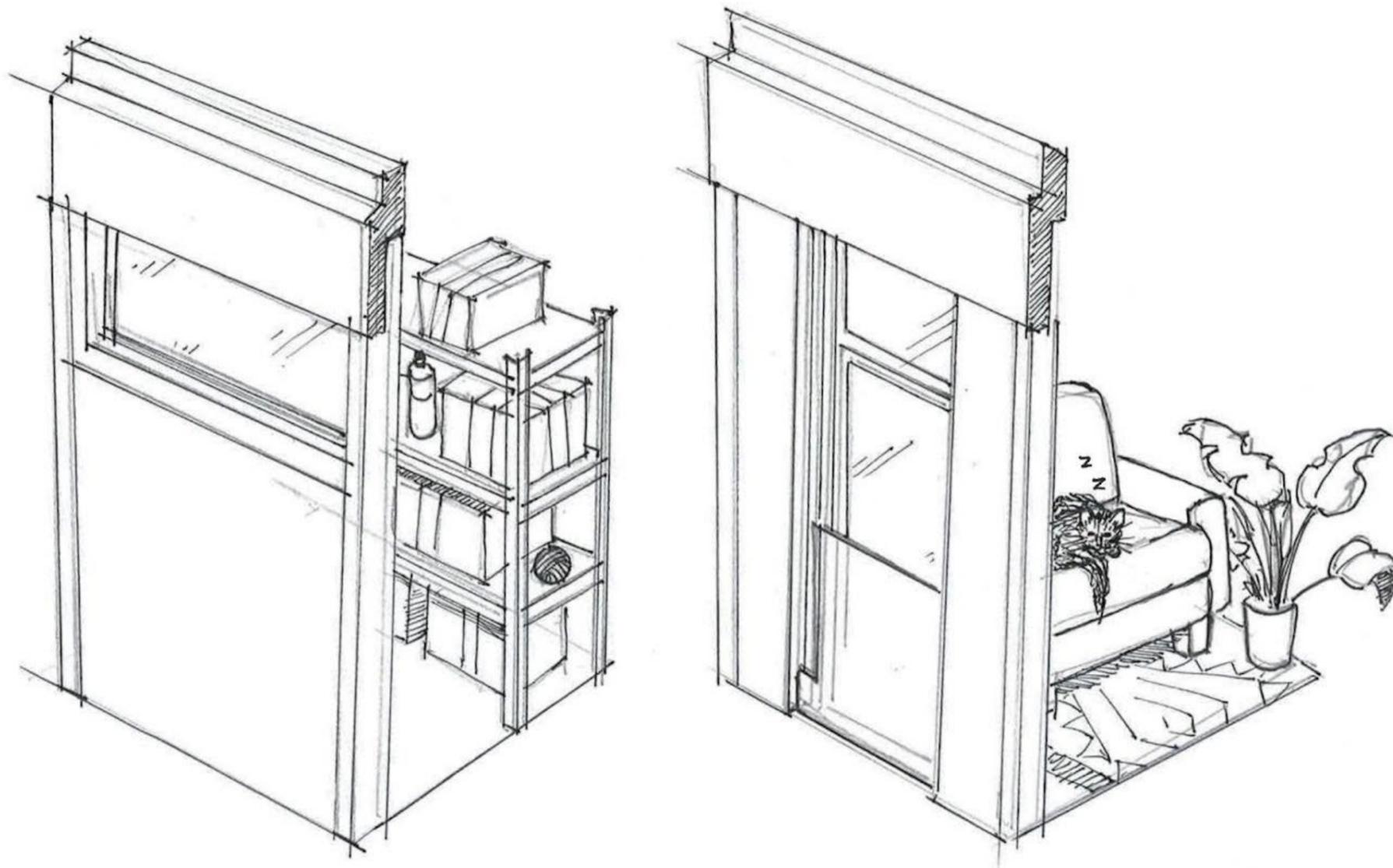
10.000 m³
Storage

10.000 m²
Filters

Filter capacity
300 m³/day







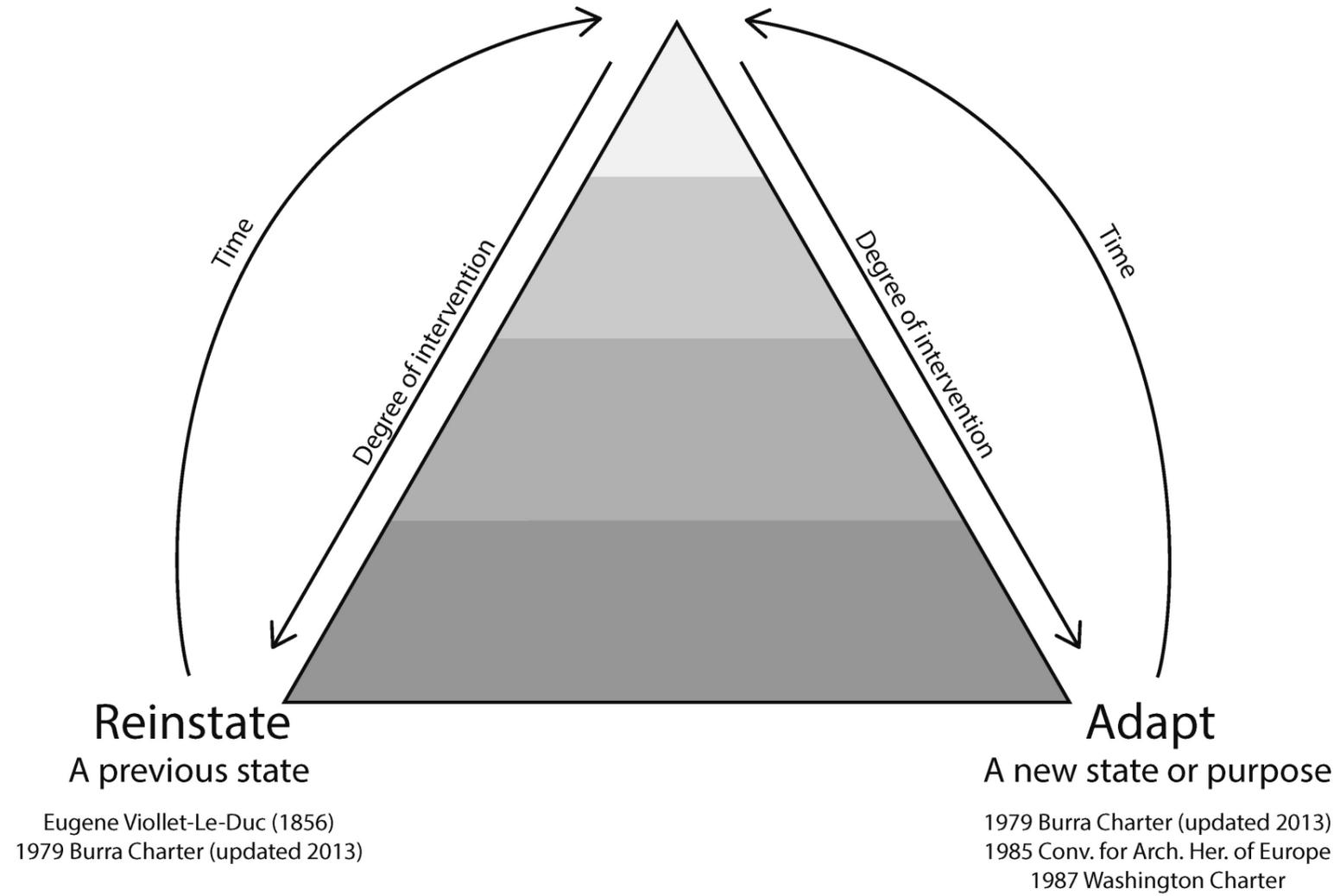
The Modern takes the position that the building should not be an artsy monument, but an autonomous organism. (...) The organism shows itself first and foremost in its mere appearance.

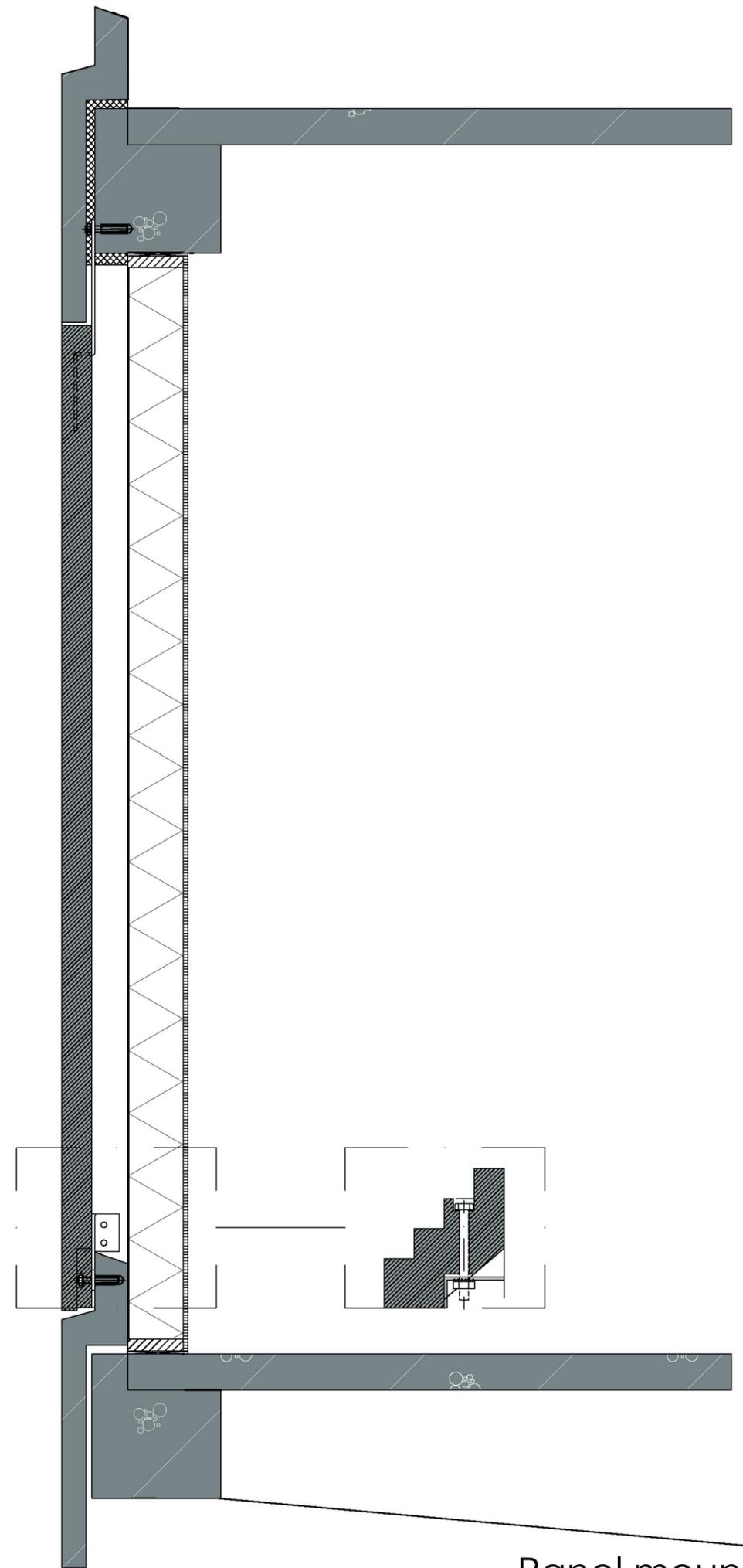
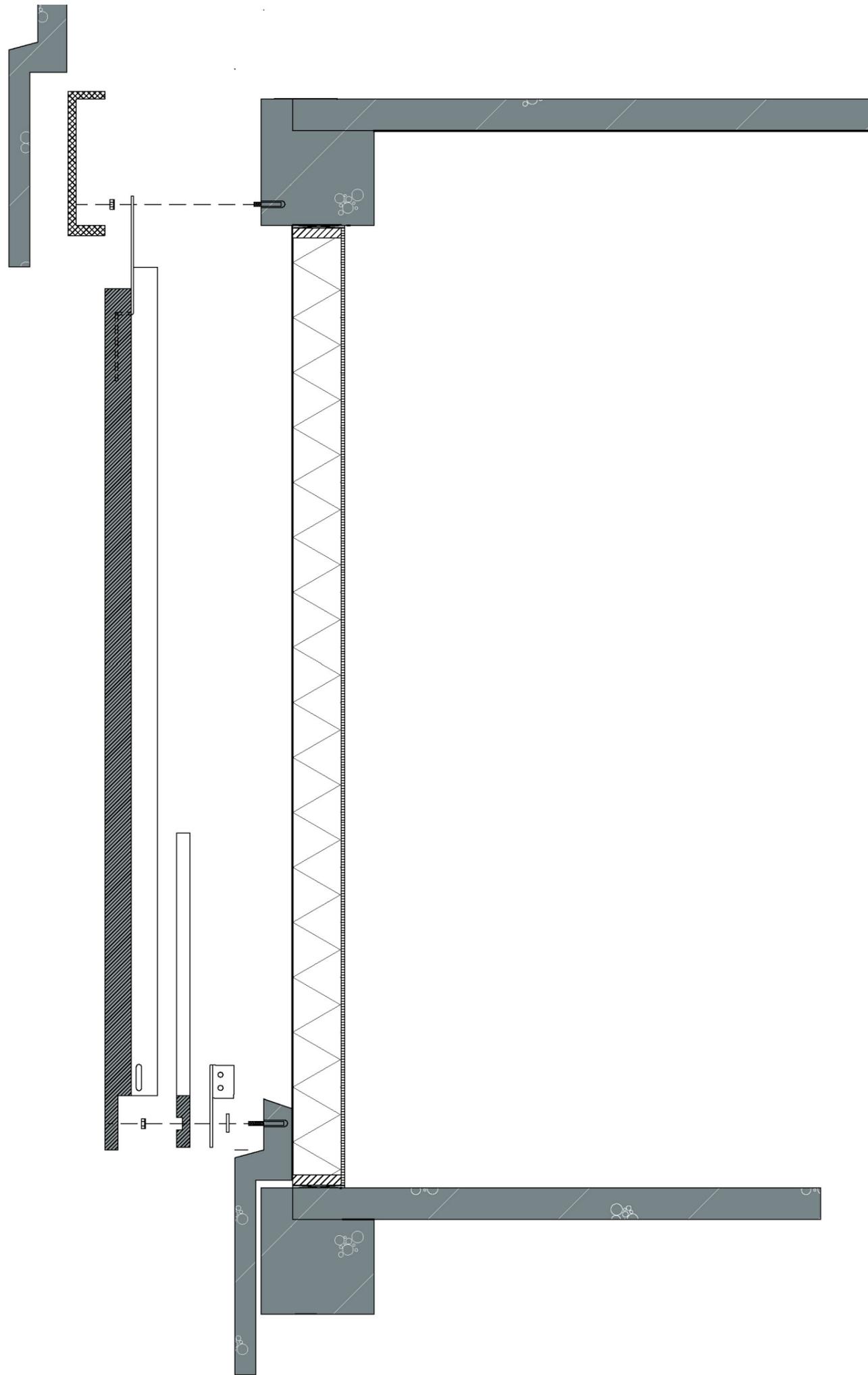
Jo van den Broek (1947)

Extra drawings

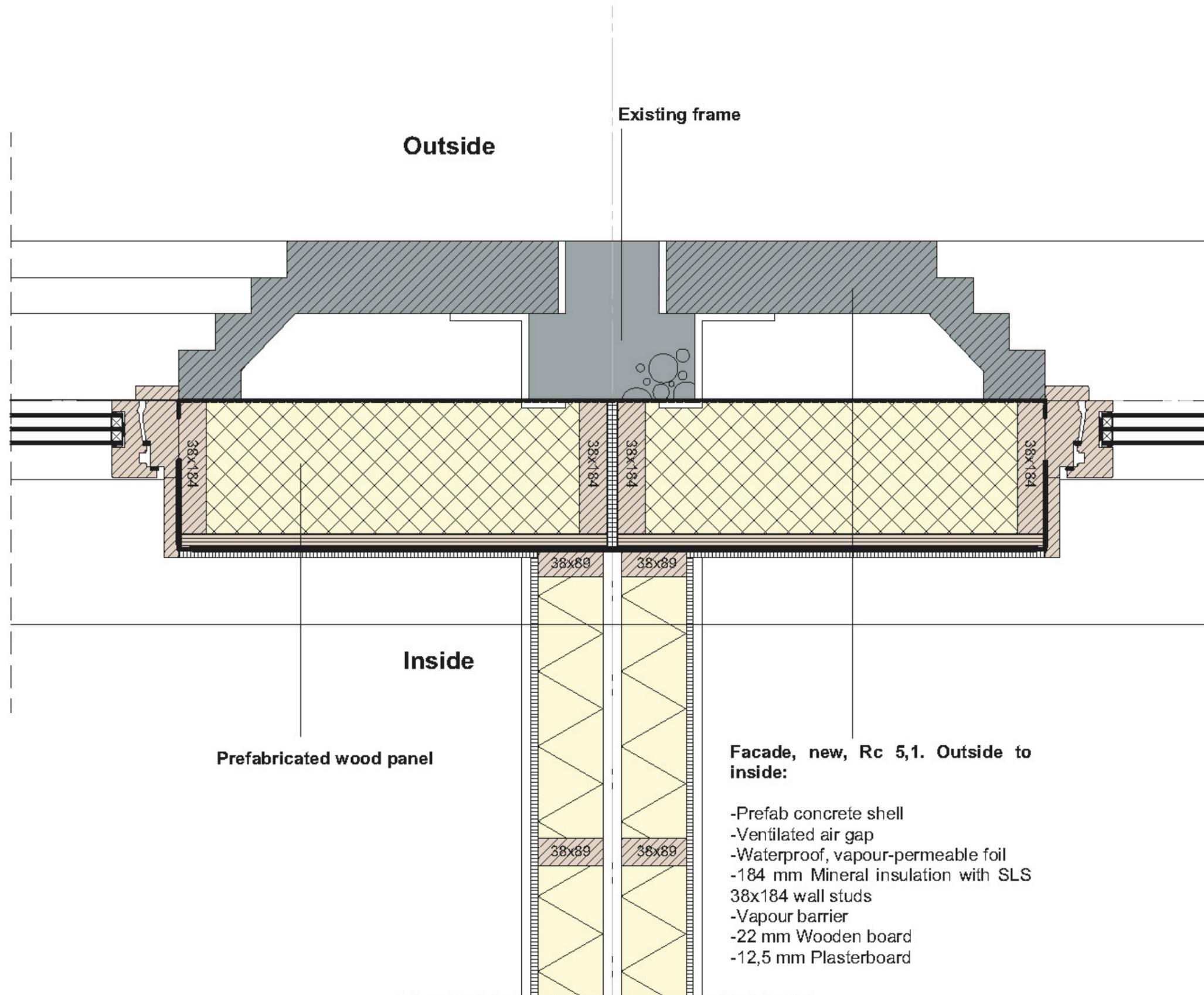
Society for the protection of ancient buildings (1877)
John Ruskin (1894)
BAUHAUS (1920s)
1964 Venice Charter
Nara Conference (1994)
Lance Hosey (2018)
Bulletin KNOB 119 nr. 4 (2020)

"True" Authenticity Current state as product of cultural history





Panel mounting 1:20

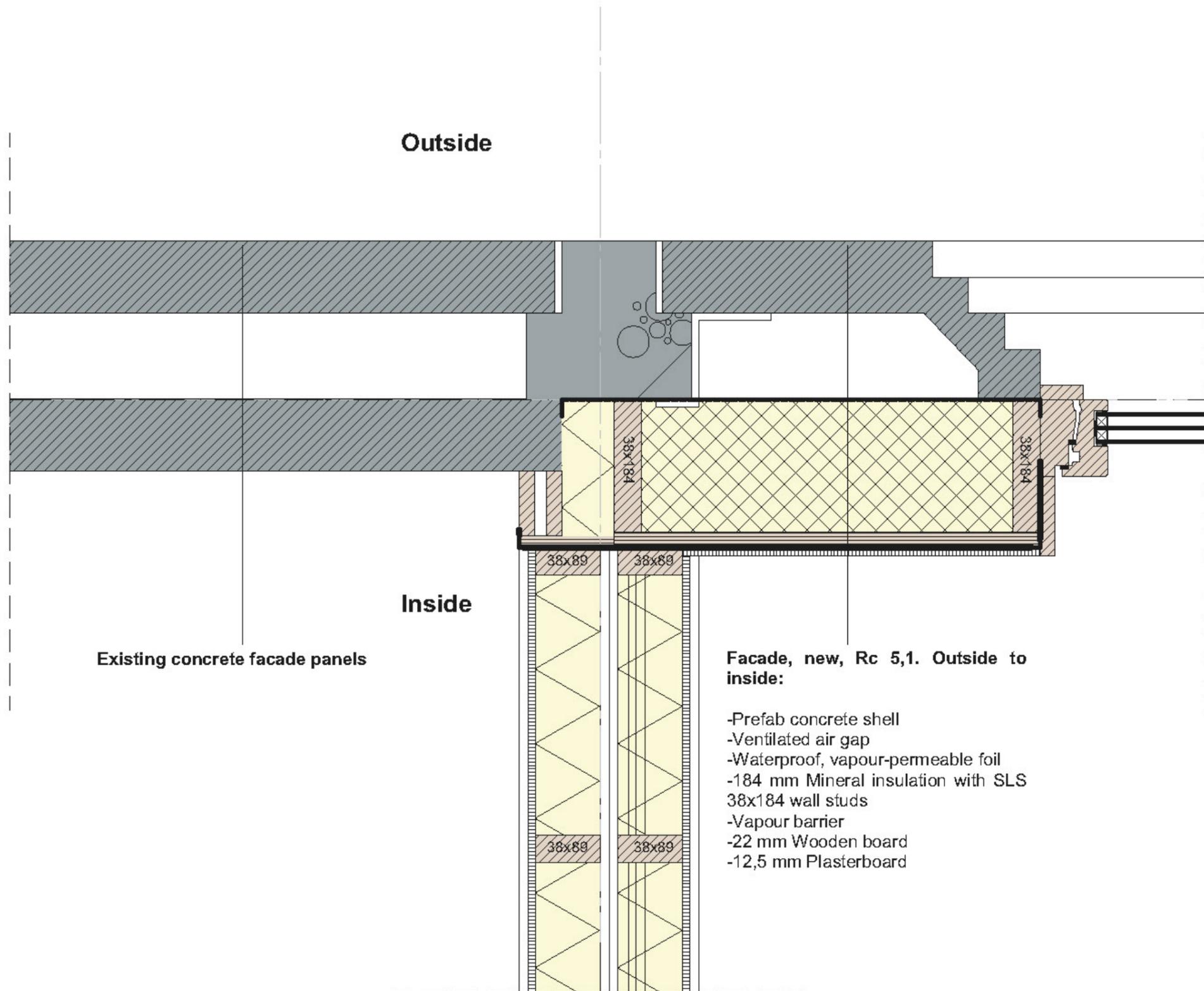


Prefabricated wood panel

Facade, new, Rc 5,1. Outside to inside:

- Prefab concrete shell
- Ventilated air gap
- Waterproof, vapour-permeable foil
- 184 mm Mineral insulation with SLS
- 38x184 wall studs
- Vapour barrier
- 22 mm Wooden board
- 12,5 mm Plasterboard

Panel detail horizontal 1:5 New-New



Existing concrete facade panels

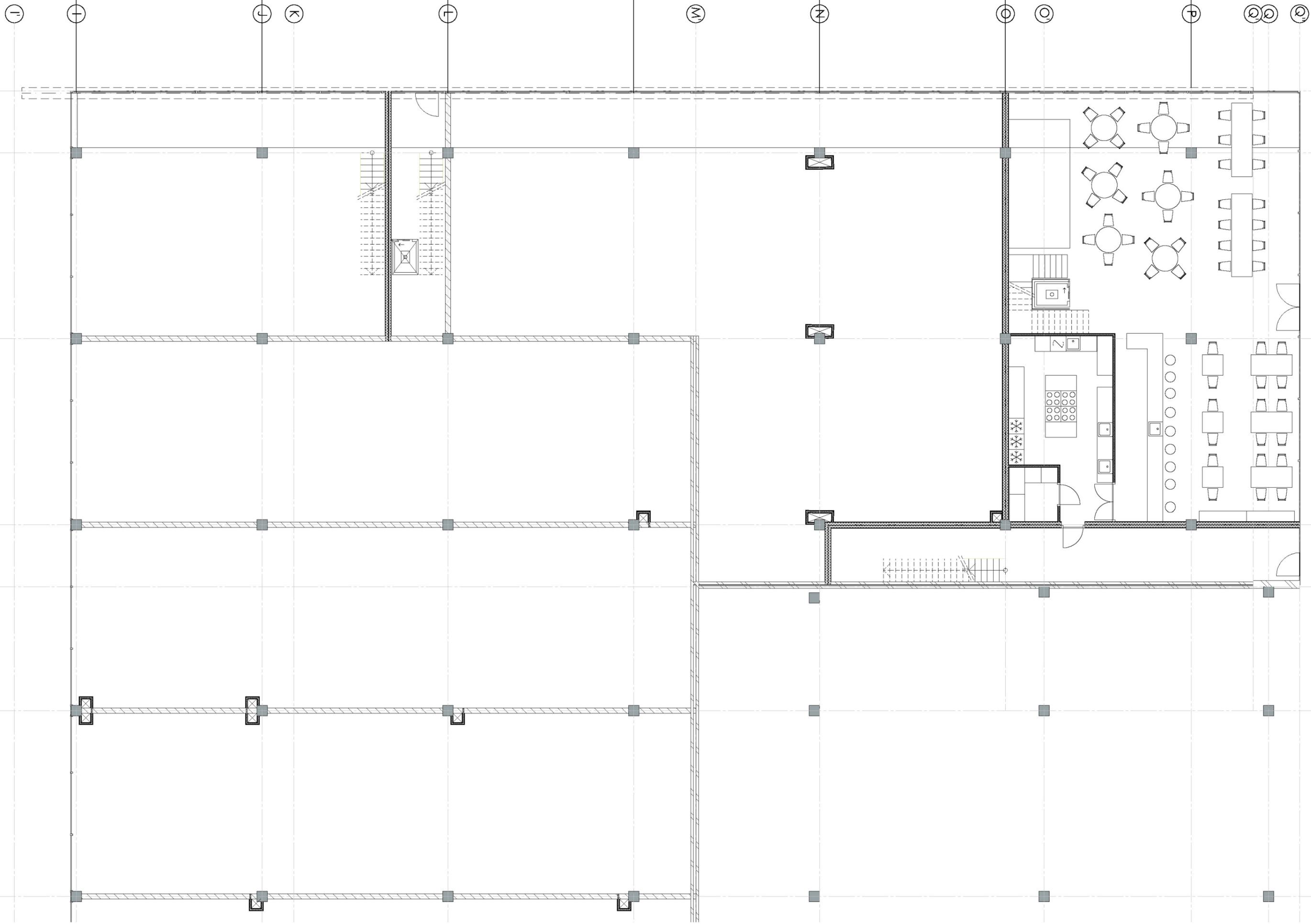
Outside

Inside

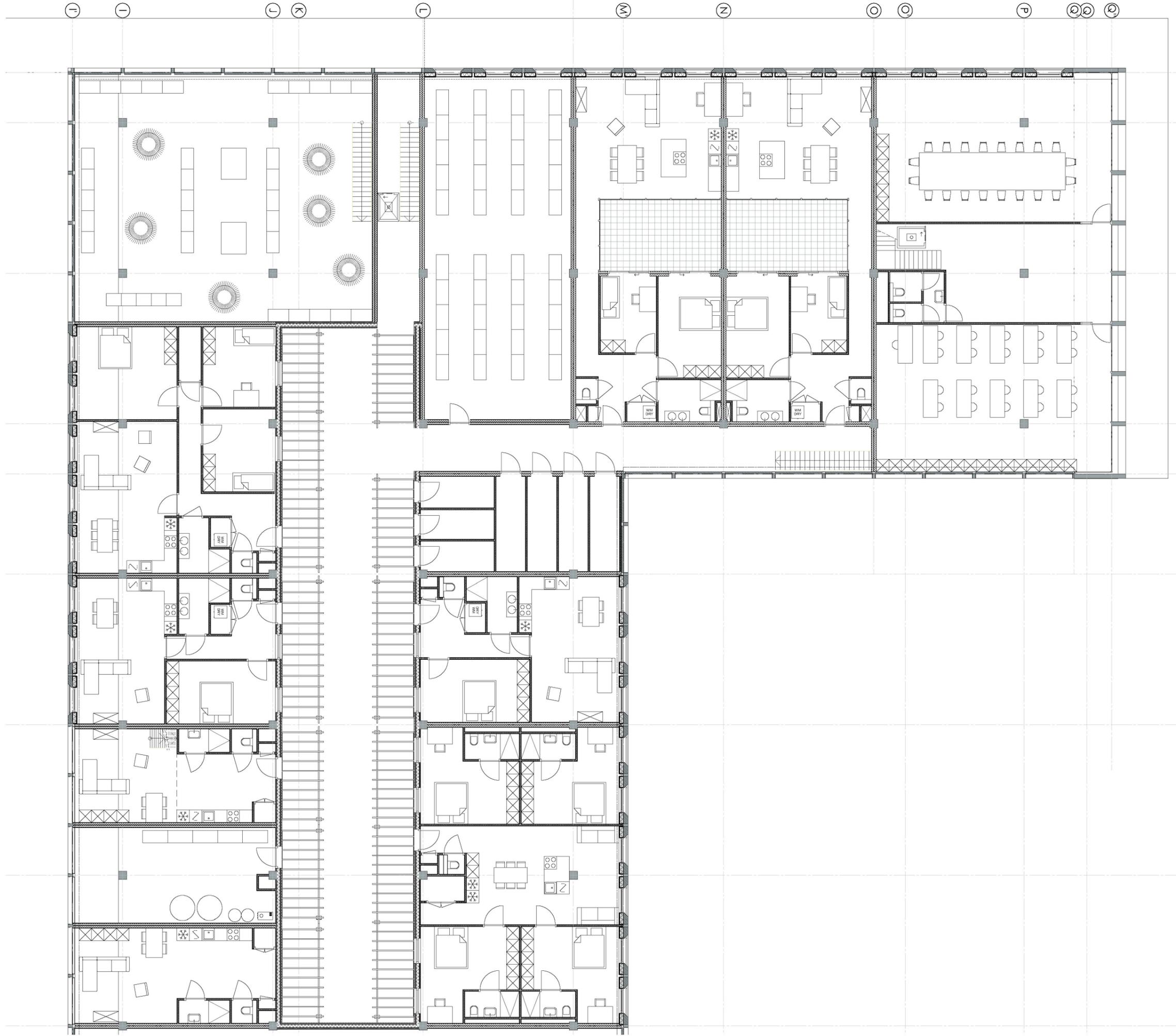
Facade, new, Rc 5,1. Outside to inside:

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- 38x184 wall studs
- Vapour barrier
- 22 mm Wooden board
- 12,5 mm Plasterboard

Panel detail horizontal 1:5 Existing-New



Ground floor 1:100



Upper floor 1:100

