THE SENNE OASIS

Brussels | Anderlecht

Thijssen

SENNE RIVER, BRUSSELS

RESEARCH

Urban Architecture graduation studio 2019-2020

BRUSSELS

The Senne

SCALE 1:15'000

375 0 375 750 1500 3000

the city as a topographical element
traces of previous conditions embedded in the
layering of the city

SENNE LINE

Urban Architecture graduation studio 2019-2020

BRUSSELS

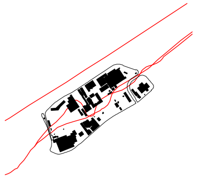
The Senne

30 case studies as an expedition through the city.
Traces of the original course of the Senne before
its coverring in 1871.

CASESTUDIES

BLOCK

SPACE IN-BETWEEN THE BLOCK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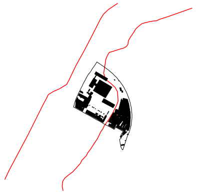
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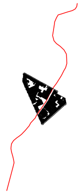
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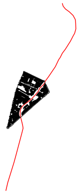
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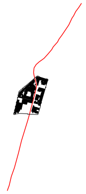
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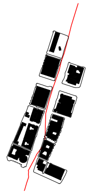
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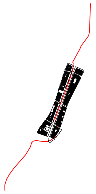
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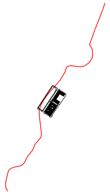
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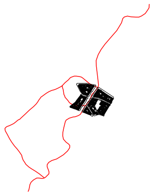
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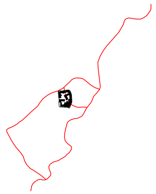
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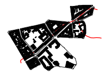
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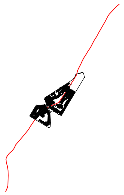
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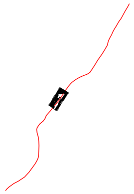
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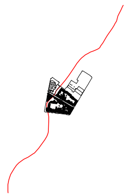
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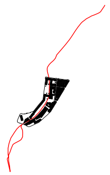
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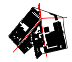
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CS_19

CS_20

CS_21

CS_22

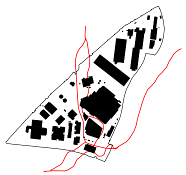
CS_23

CS_24


CS_25

CS_26

CS_27

CS_28

CS_29

CS_30

CASESTUDIES

EXPEDITION

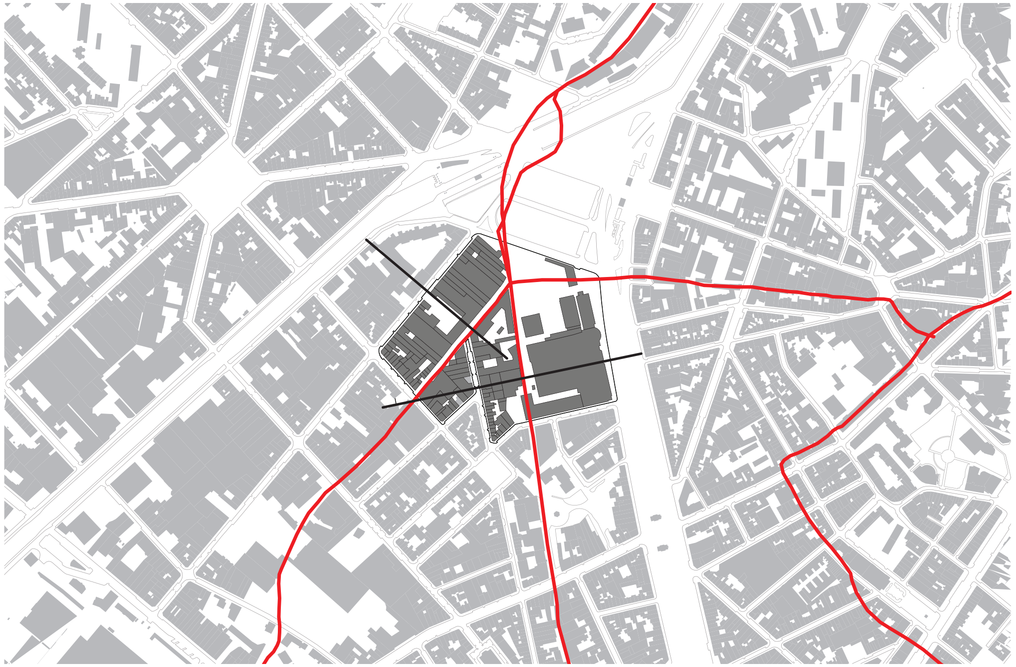
EXPEDITION

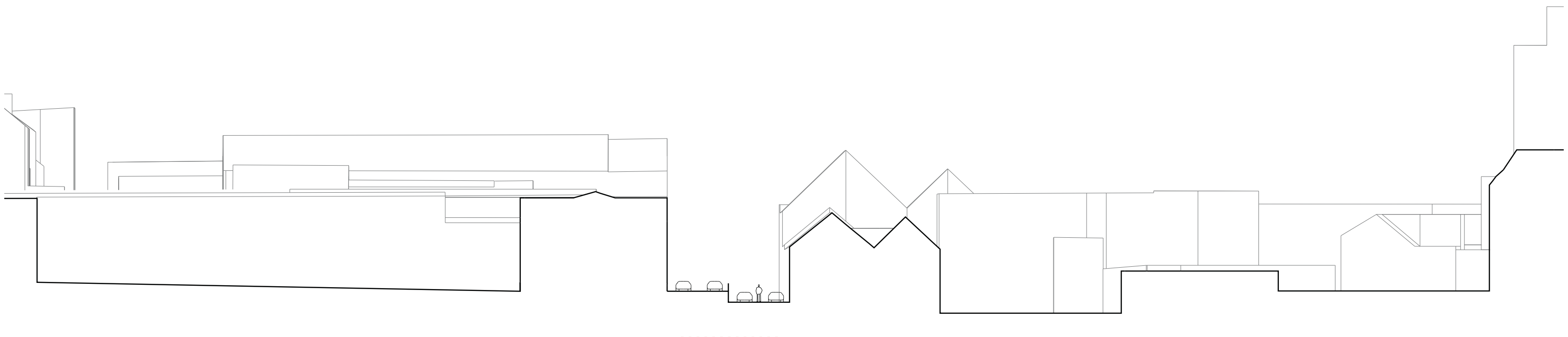
EXPEDITION

THE SENNE GHOST

cs_18

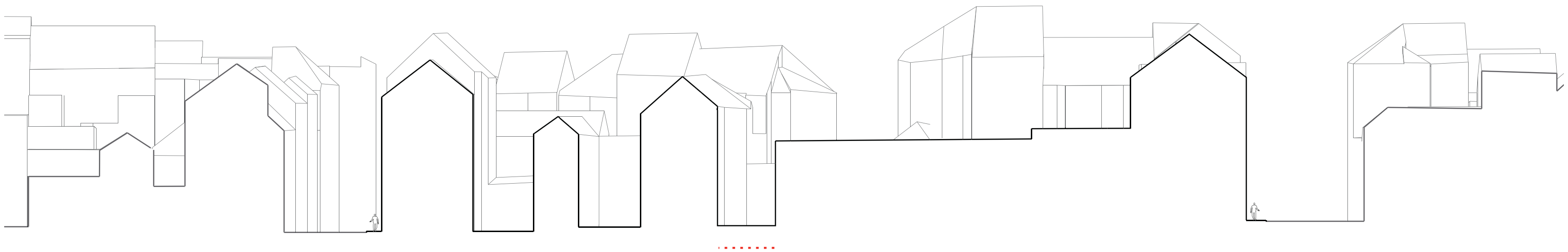
Dwelling area
River covered
Parking





cs_20

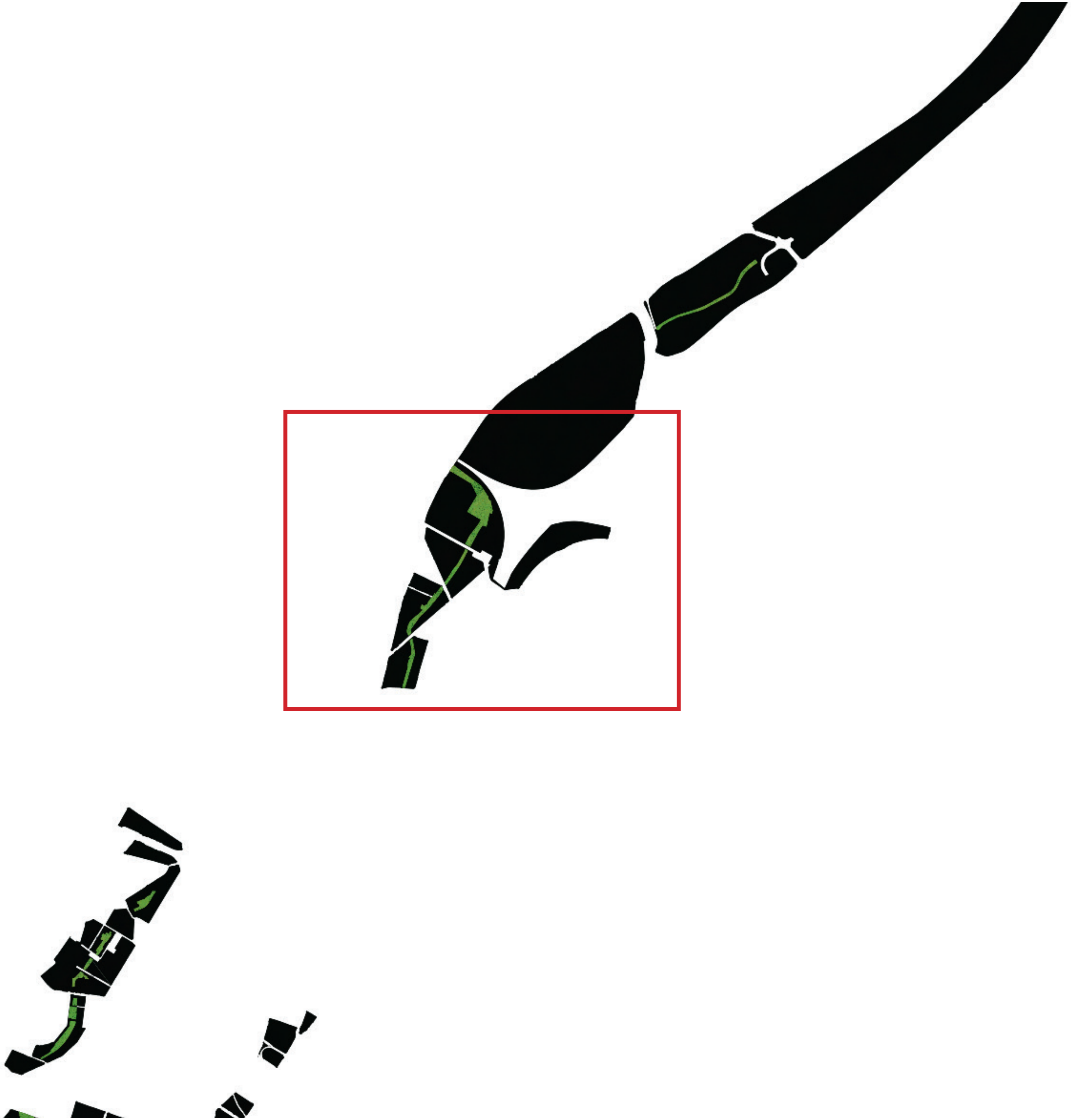
Dwelling area
River covered
Private space



RESEARCH

OASIS HOTSPOTS

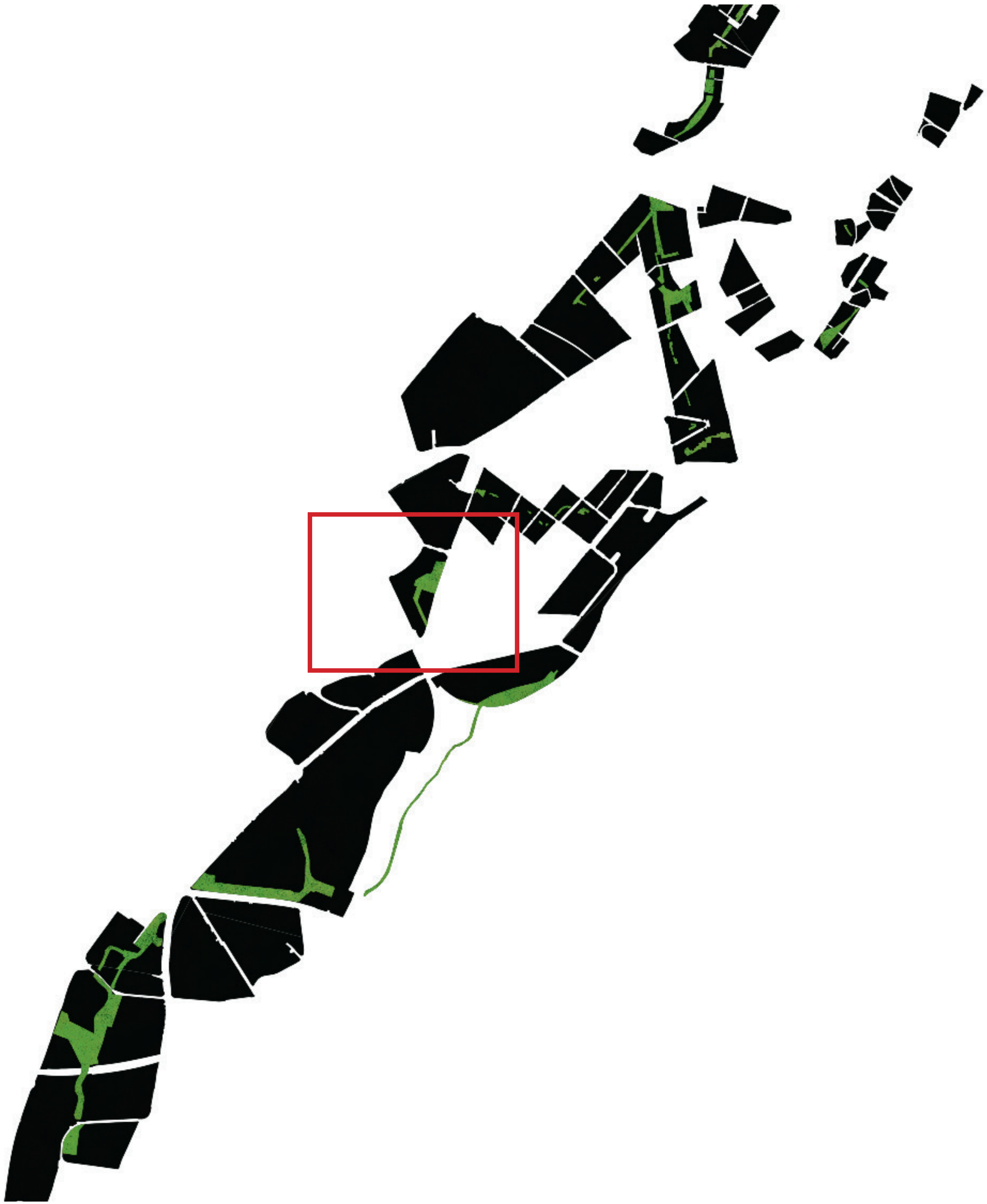
THE SENNE PARK



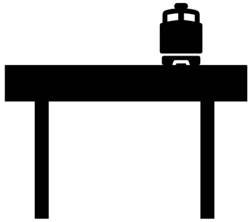
SENNE PARK - NORTH BRUSSELS

SOURCE: : LANDEZINE, 2019, BELGIUM

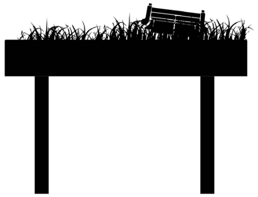
SITE



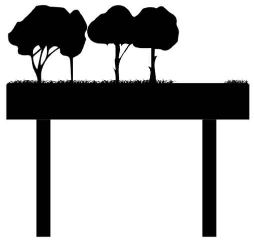
HIGH LINE NEW YORK (2017)



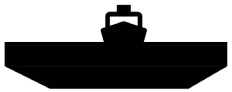
Metro
1934-1980



Vacant
1980-1991



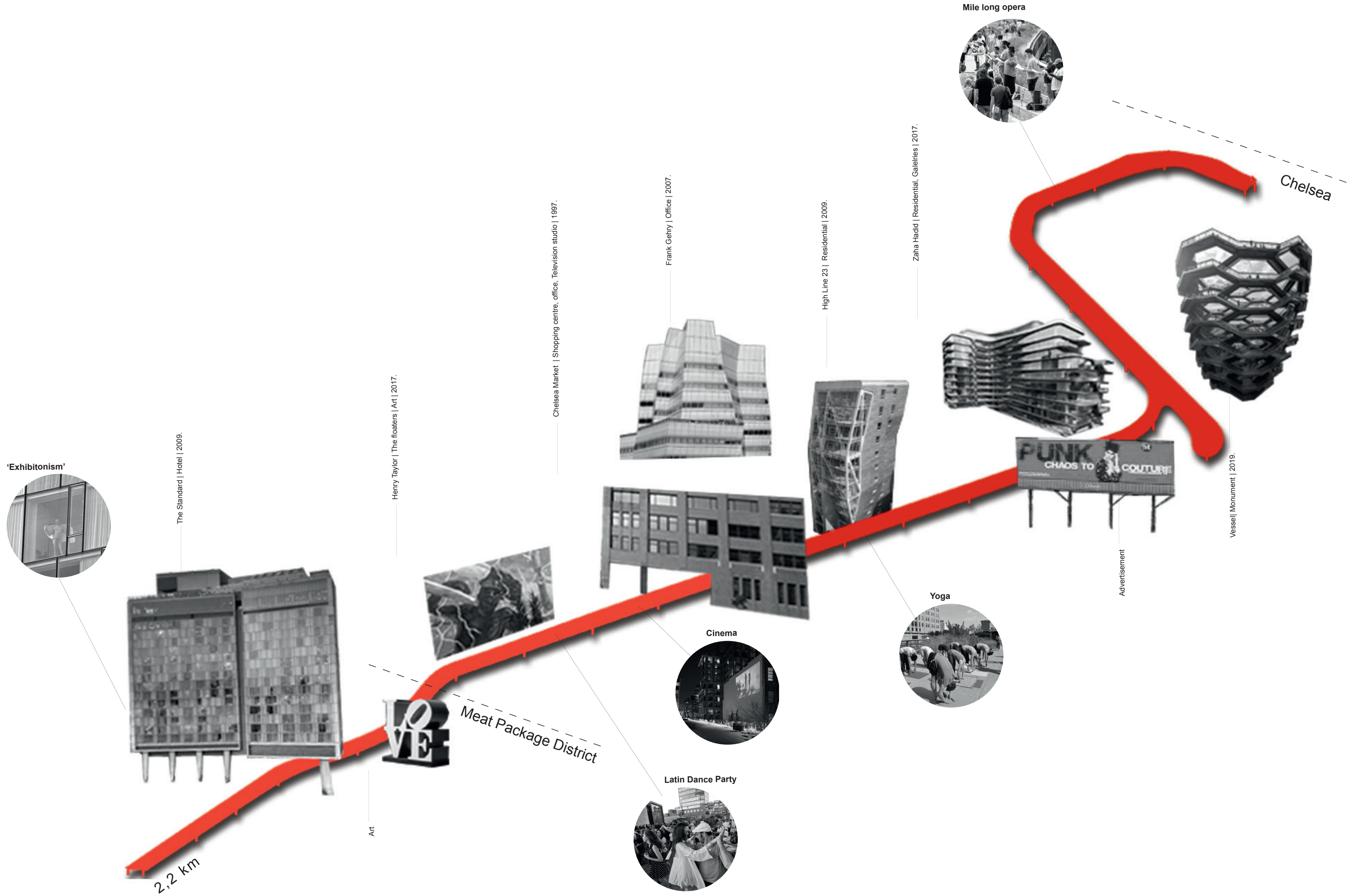
Park
2006-



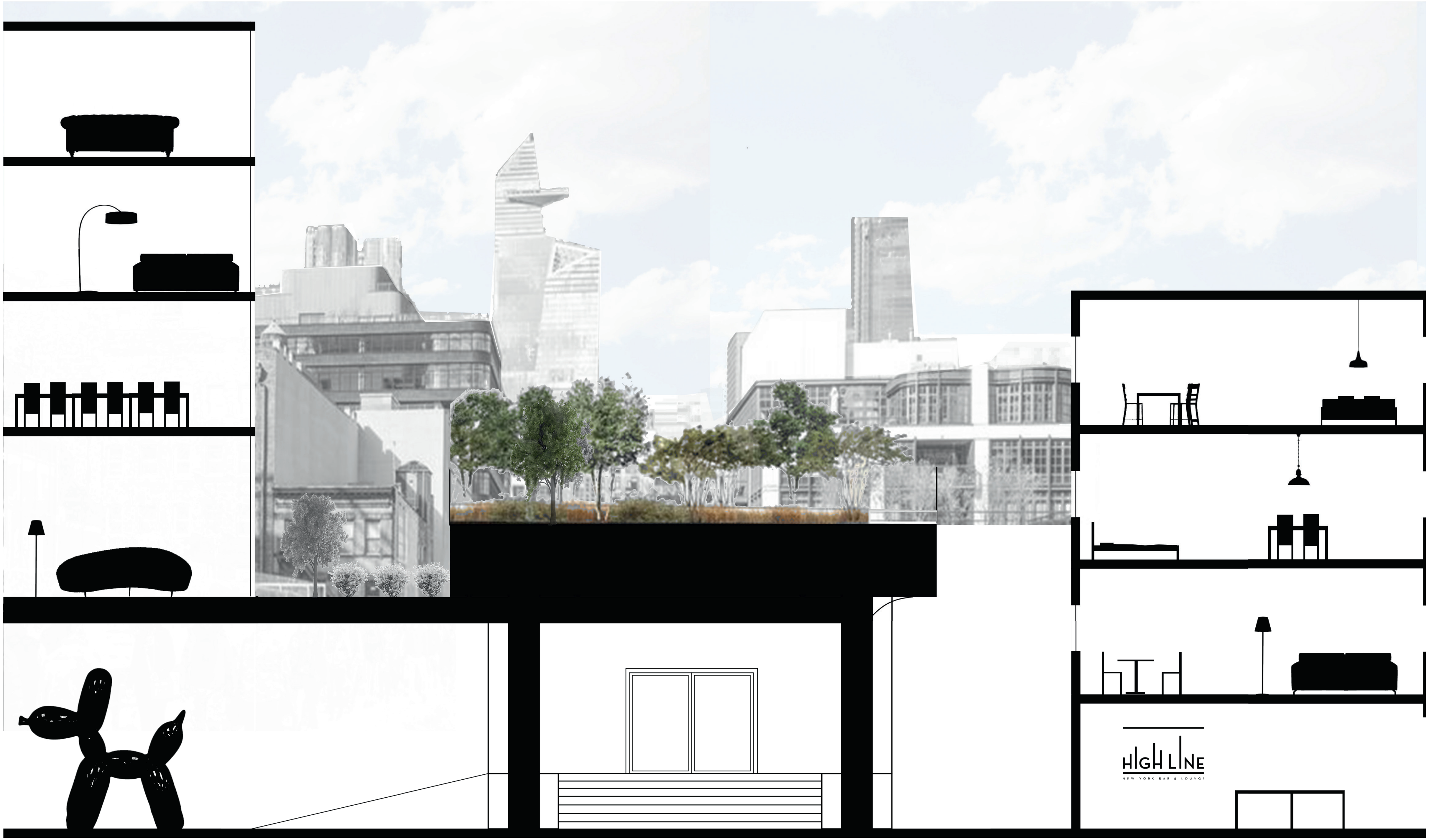
River
1000-1867

Covering
1867-1955

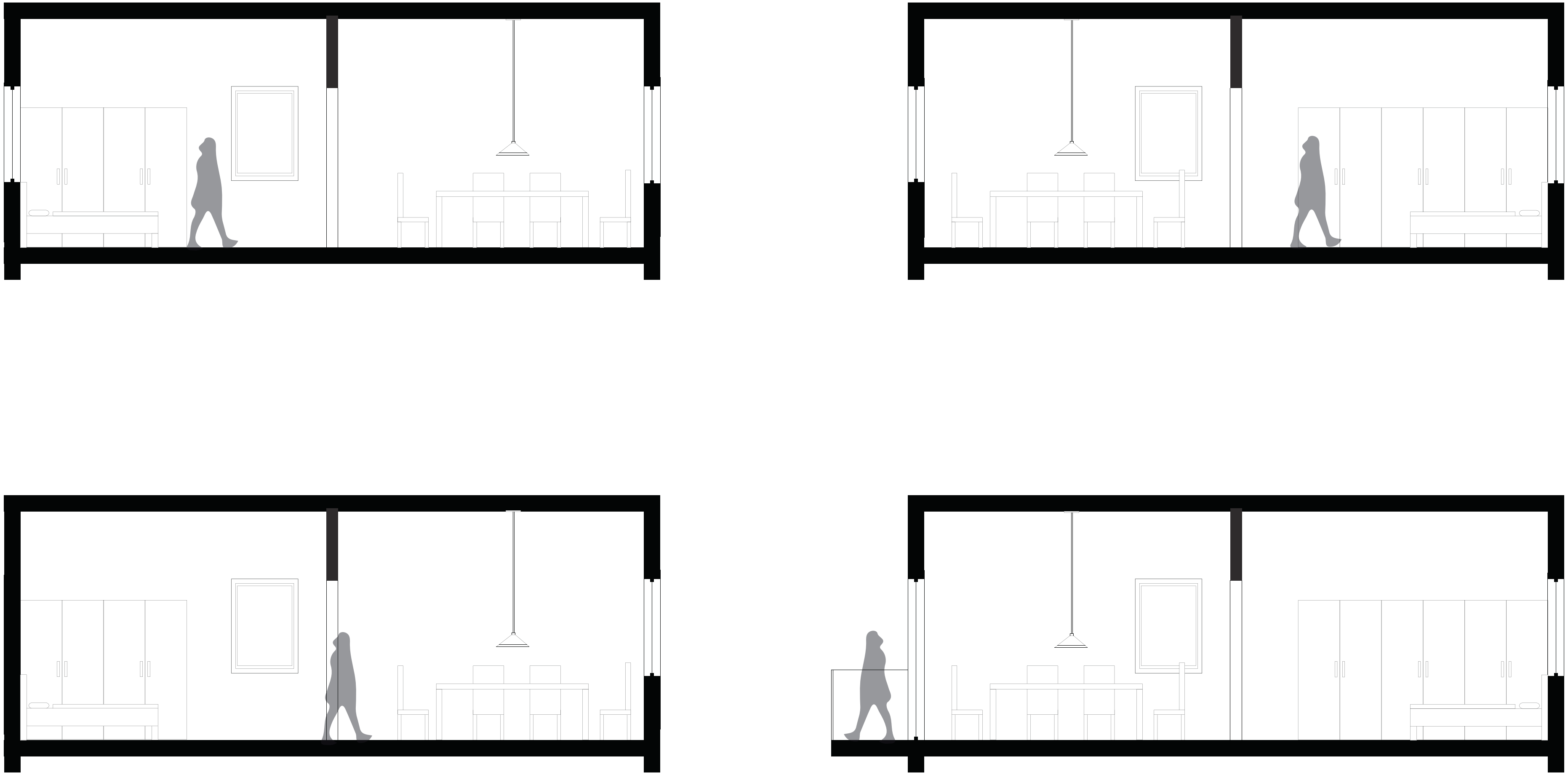
Park
2014-



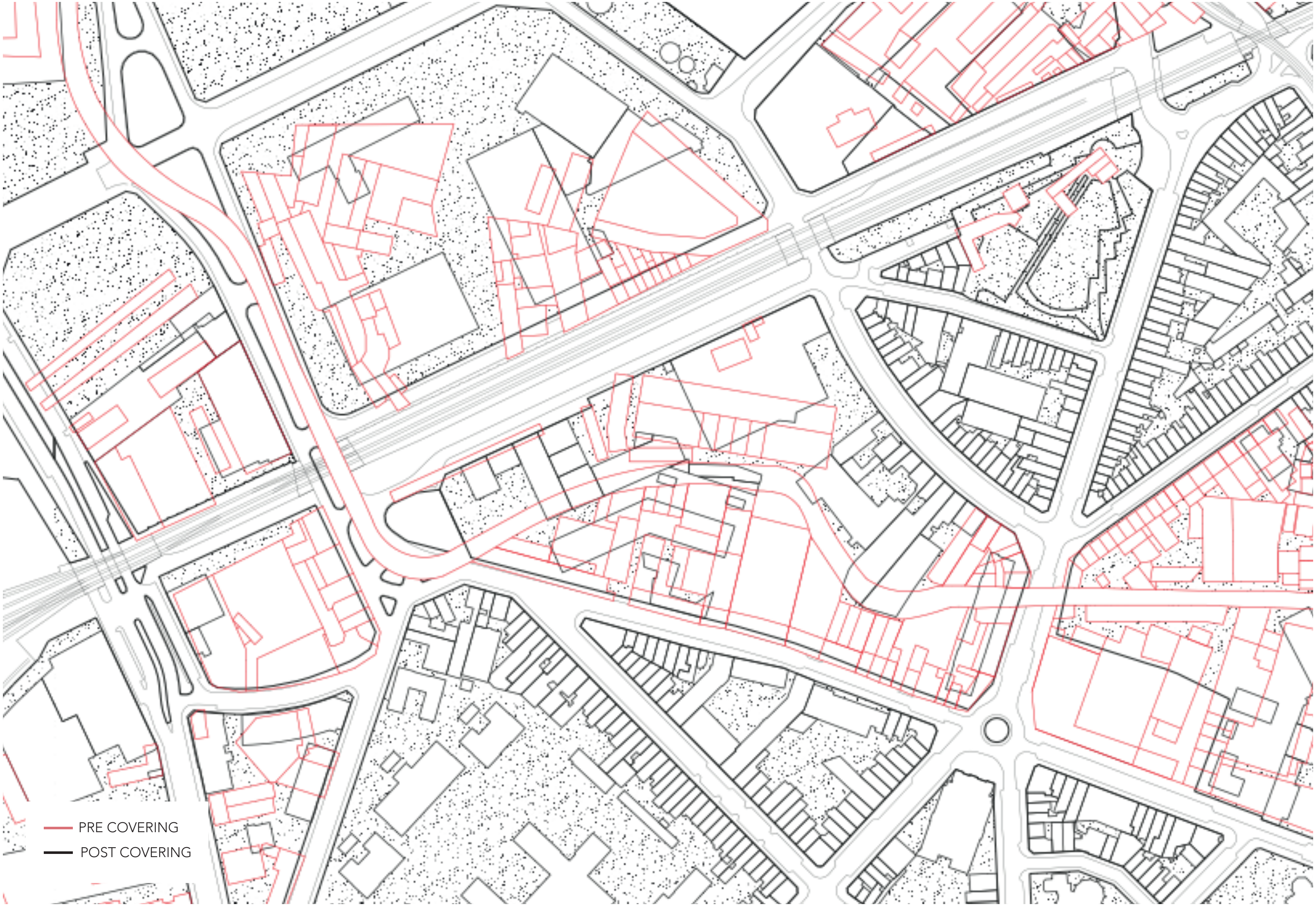
HIGH LINE EFFECTS



HOW CAN ARCHITECTURE BE AN EXTENTION OF A PARK ?

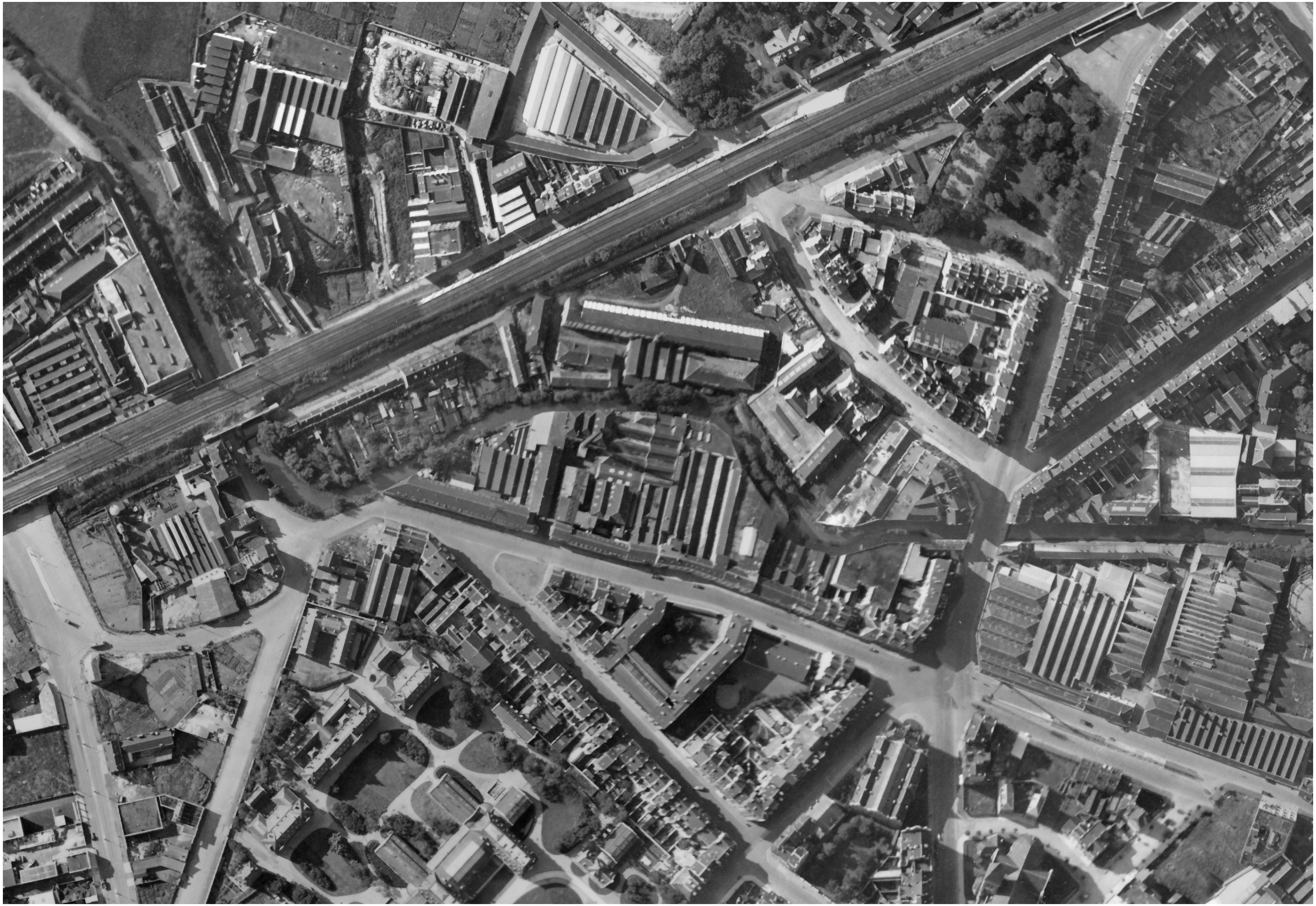


CHANGES WITHIN EXISTING ARCHITECTURE



SITE HISTORICAL LAYERS

GOUJON SOCIAL HOUSING (2019)



1930 PRE COVERING

1971 POST COVERING

2020 TODAY

KEEP AND DEMOLISH


ELECTRICITEITSSTR.
RUE DE L'ELECTRICITE
RUE DES RASSINS
GRONDELSSTRAAT
RUE DES GOUJONS
SQUARE

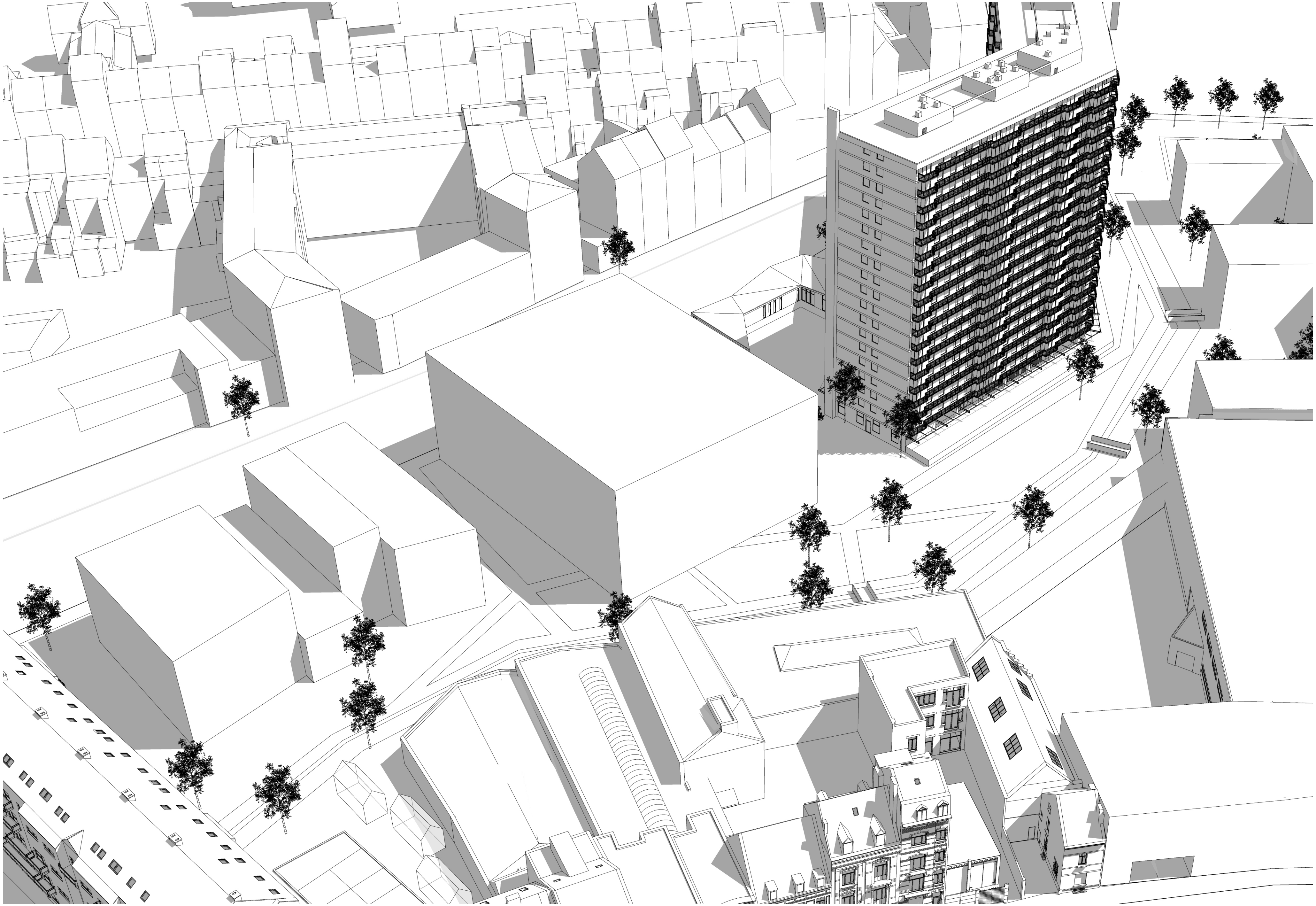
MASTERPLAN

RESTORE THE HISTORICAL LINE

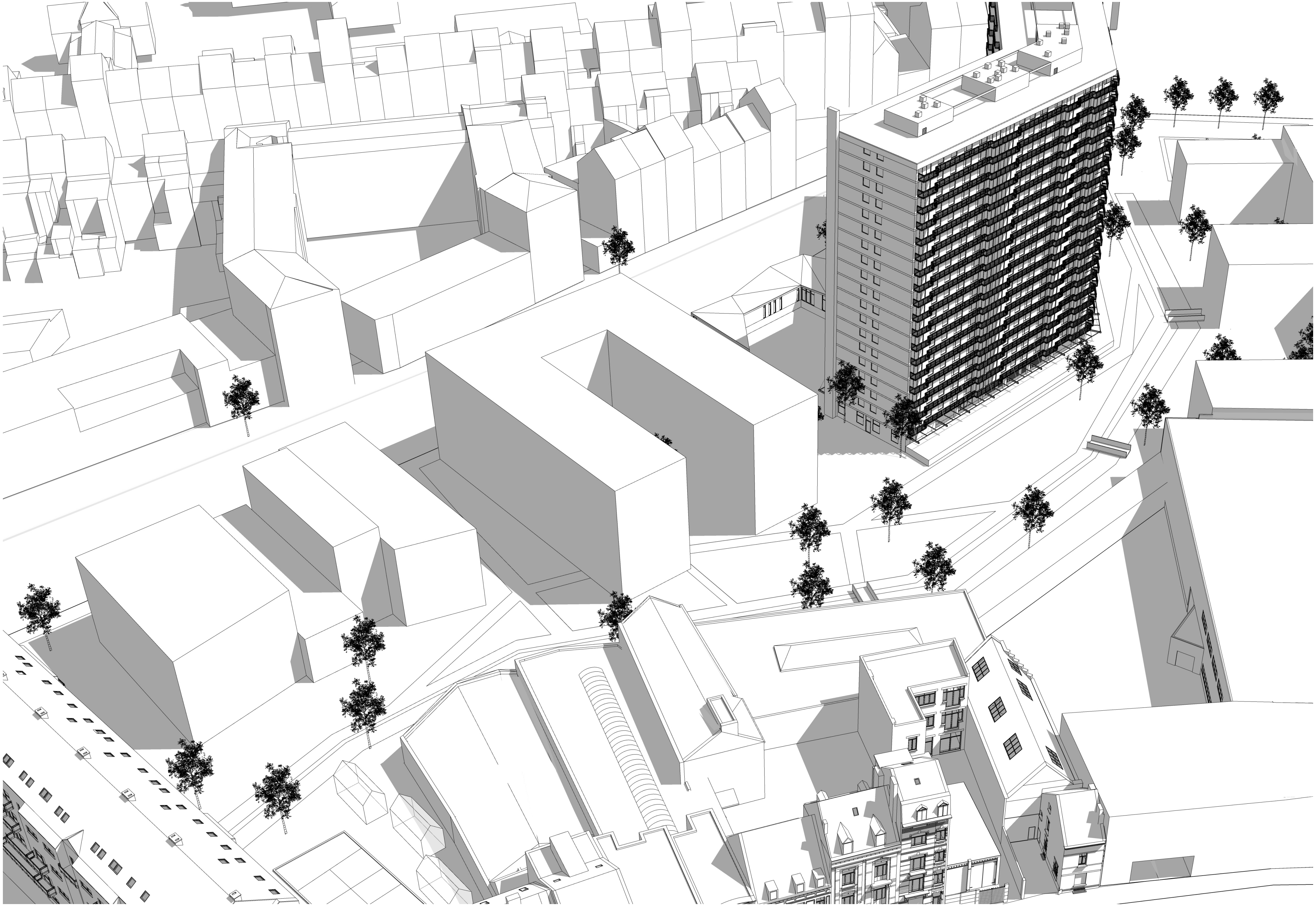
ARCHITECTURE

RESTORE THE SENNE PARK

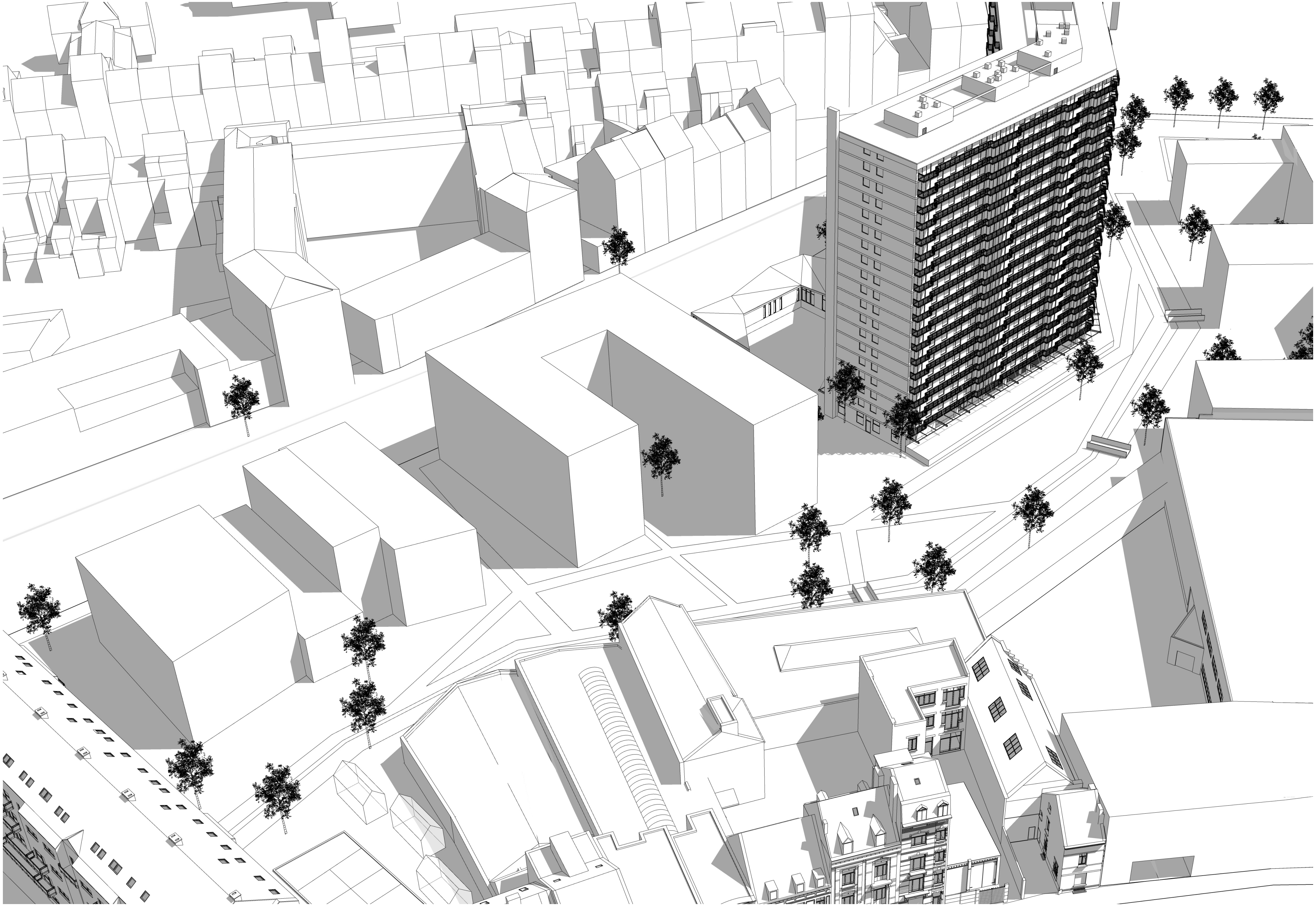
EMBRACE THE PARK



BLOCK

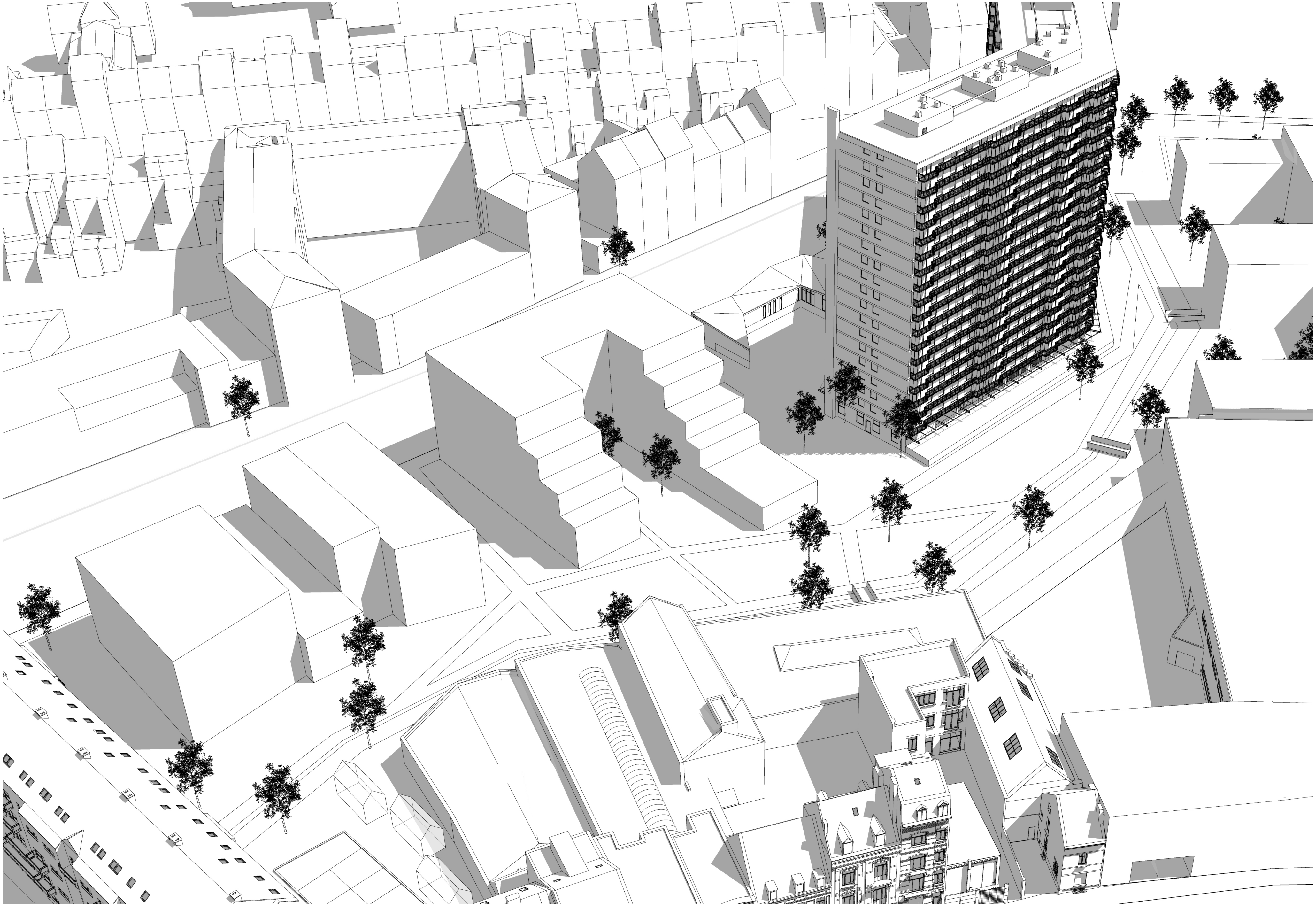


EMBRACING THE PARK

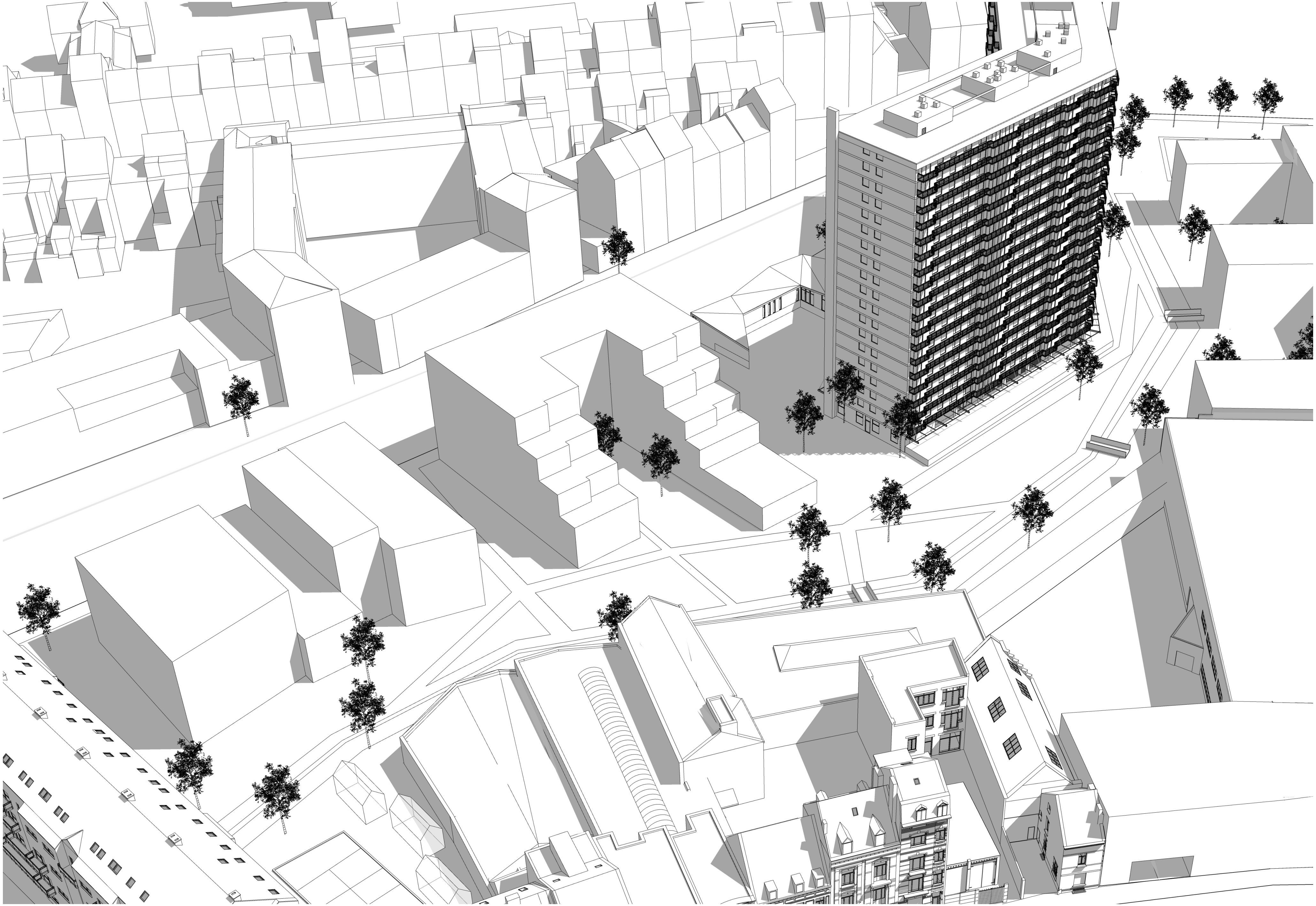


SENNE LINE

VIEW POINTS

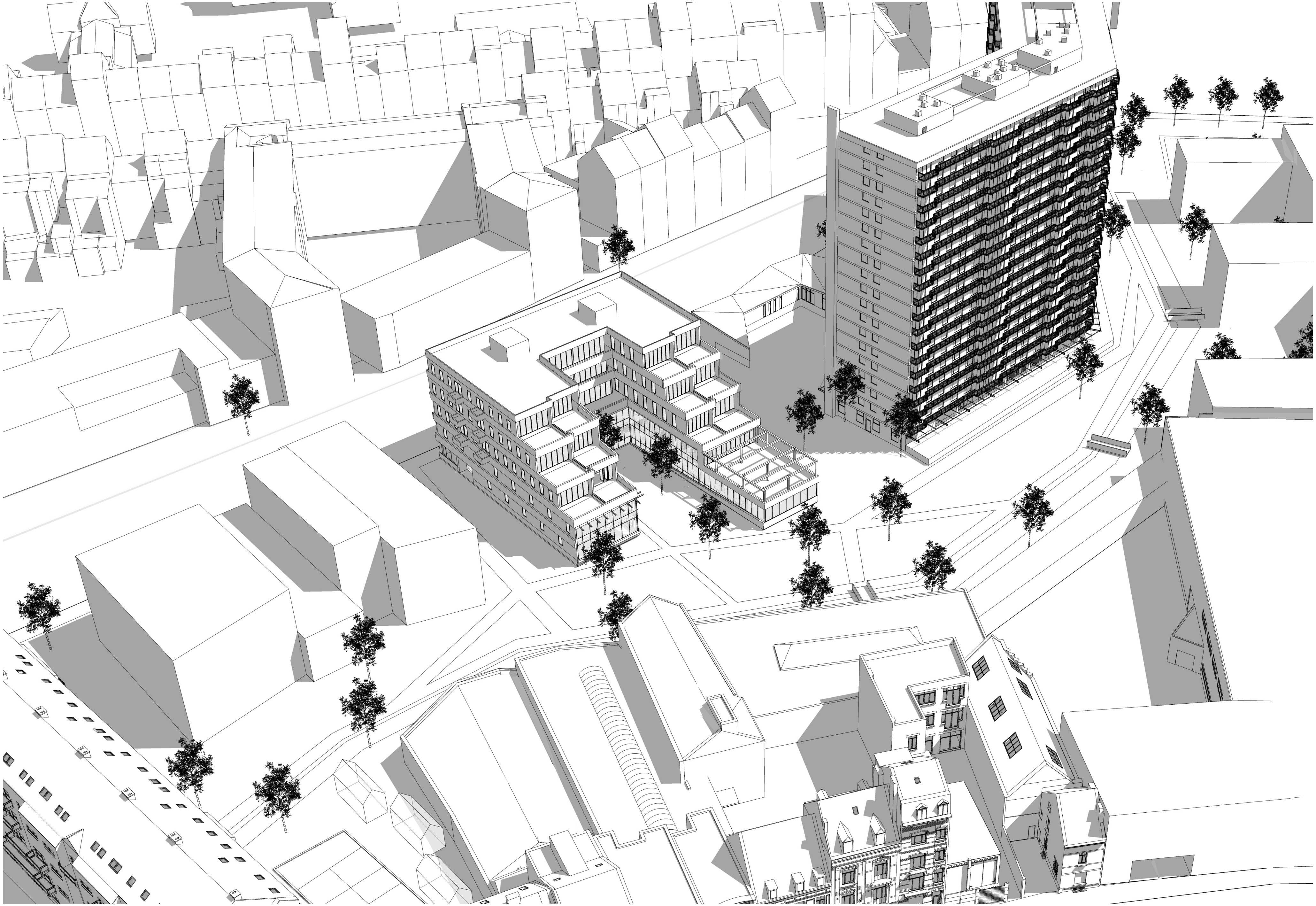


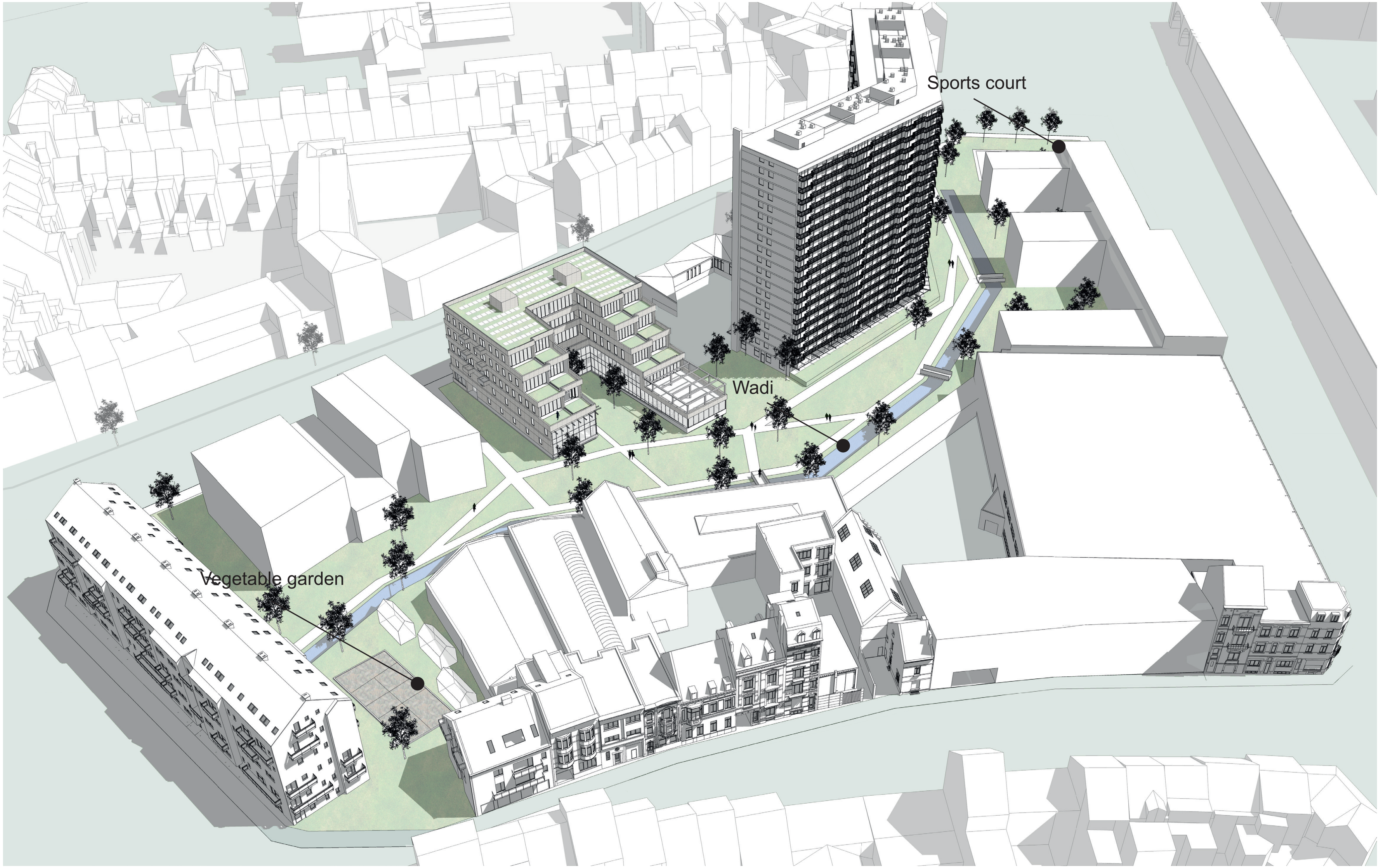
CONNECTION PARK

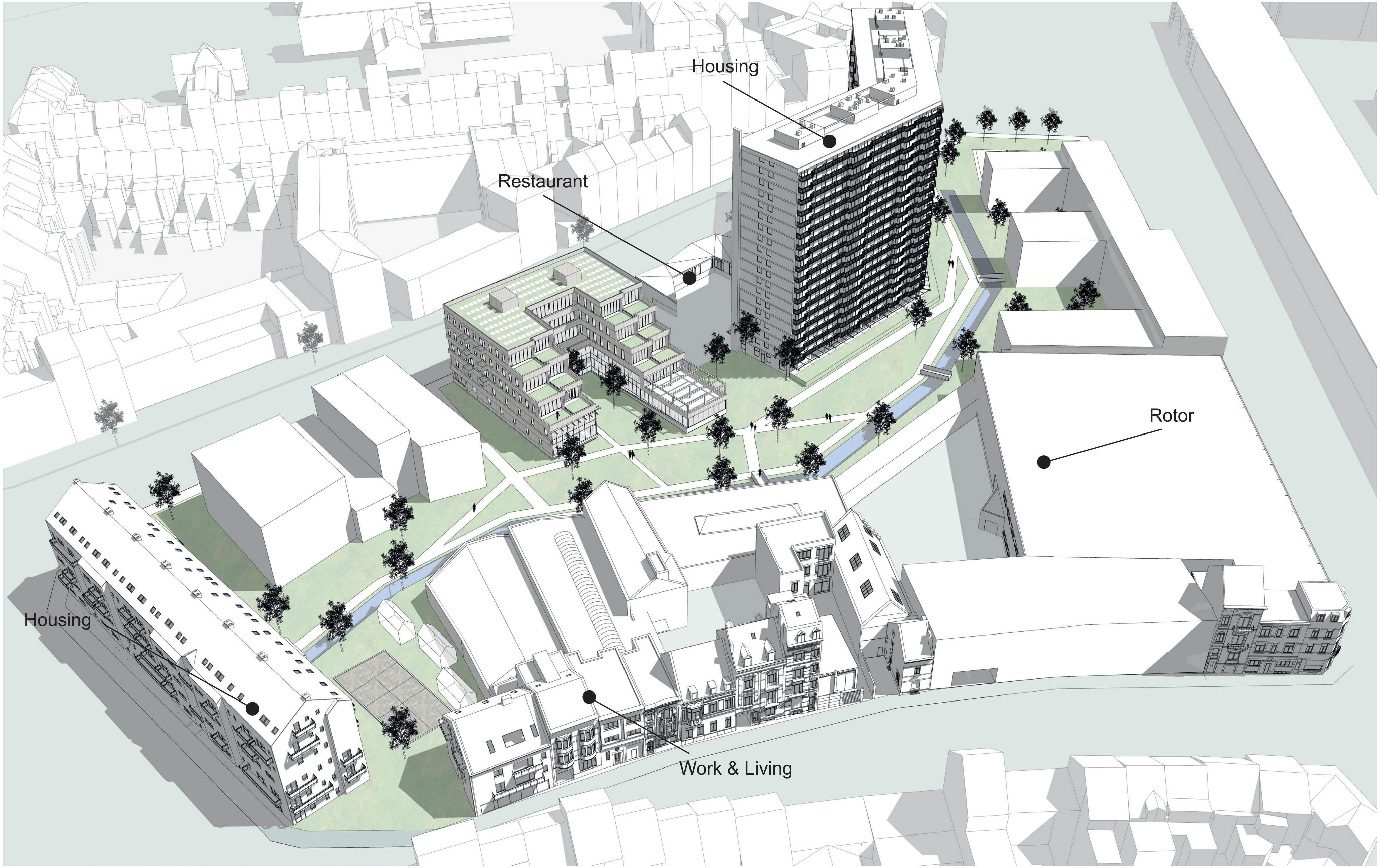


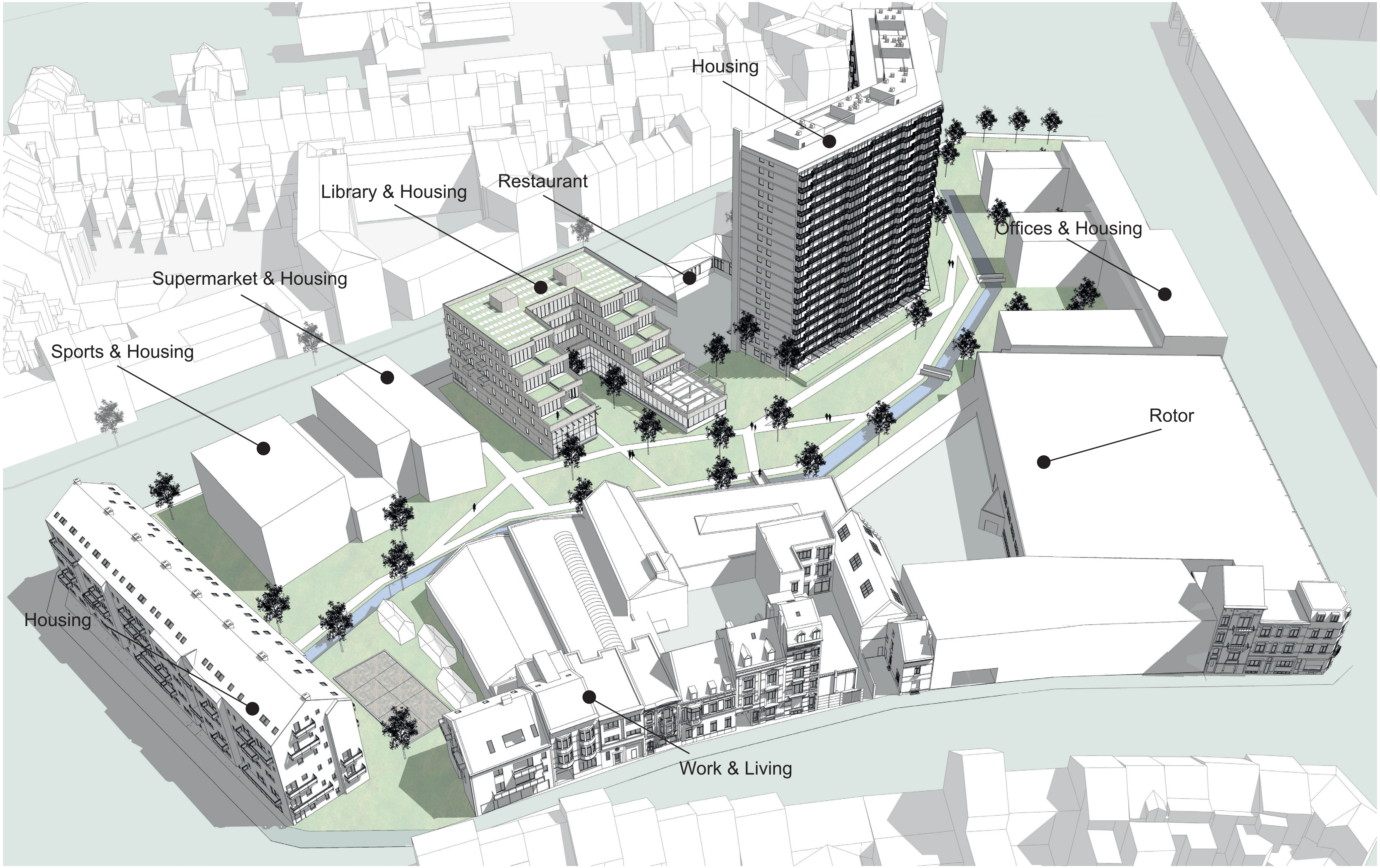
PRIVACY

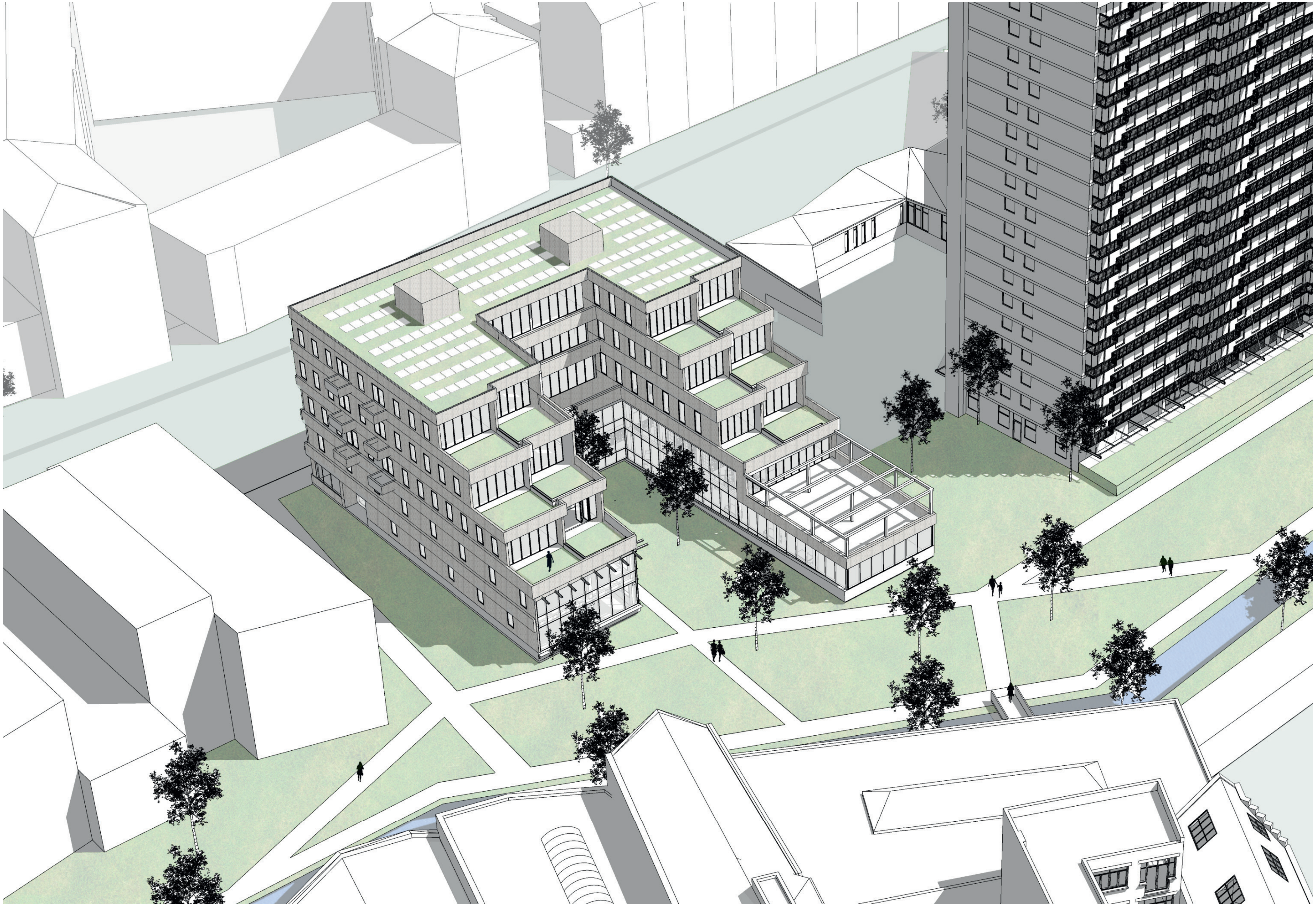
ARCHITECTURE




Sports court
Wadi
Vegetable garden


Housing
Restaurant
Rotor
Housing
Work & Living


Housing
Library & Housing
Restaurant
Offices & Housing
Supermarket & Housing
Sports & Housing
Rotor
Housing
Work & Living




VIEWPOINTS
DECKS
BRIDGES

ARCHITECTURE

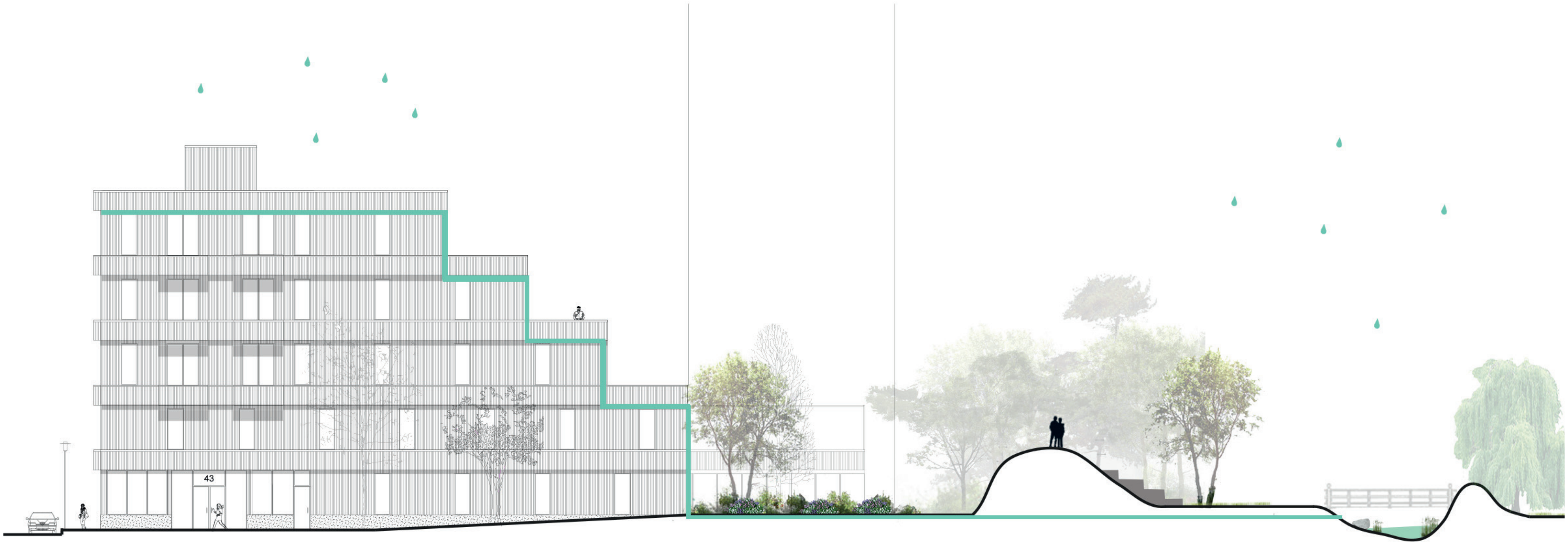
LANDSCAPE SECTION

FACADE

ARCHITECTURE

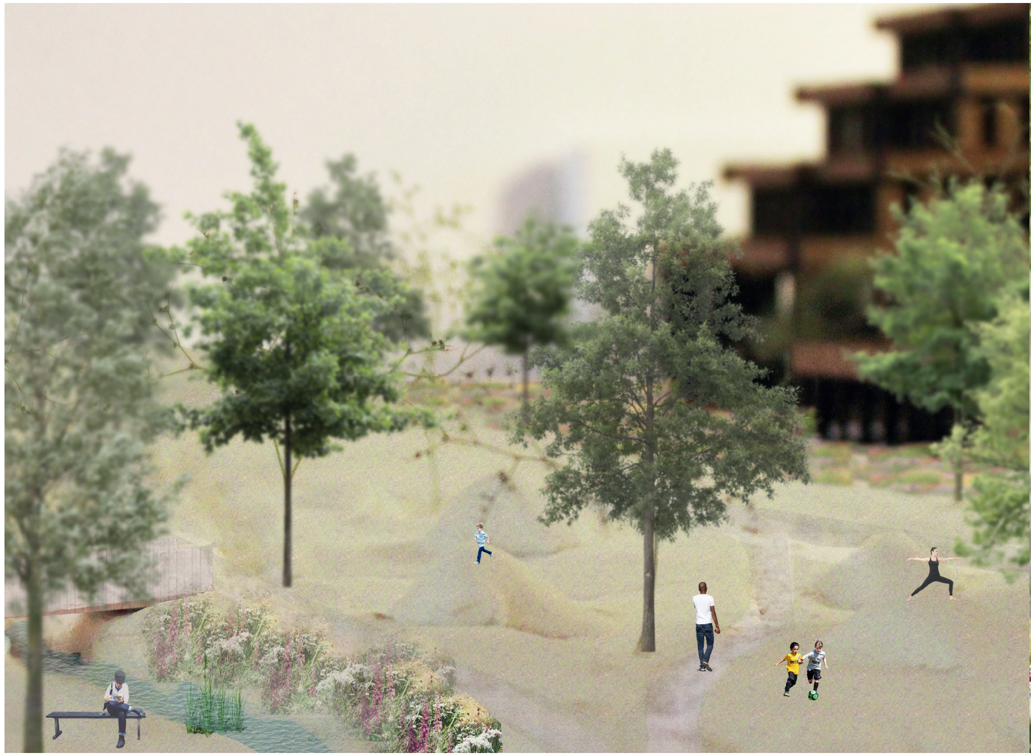
CLEAN POLLUTED SOIL

ARCHITECTURE

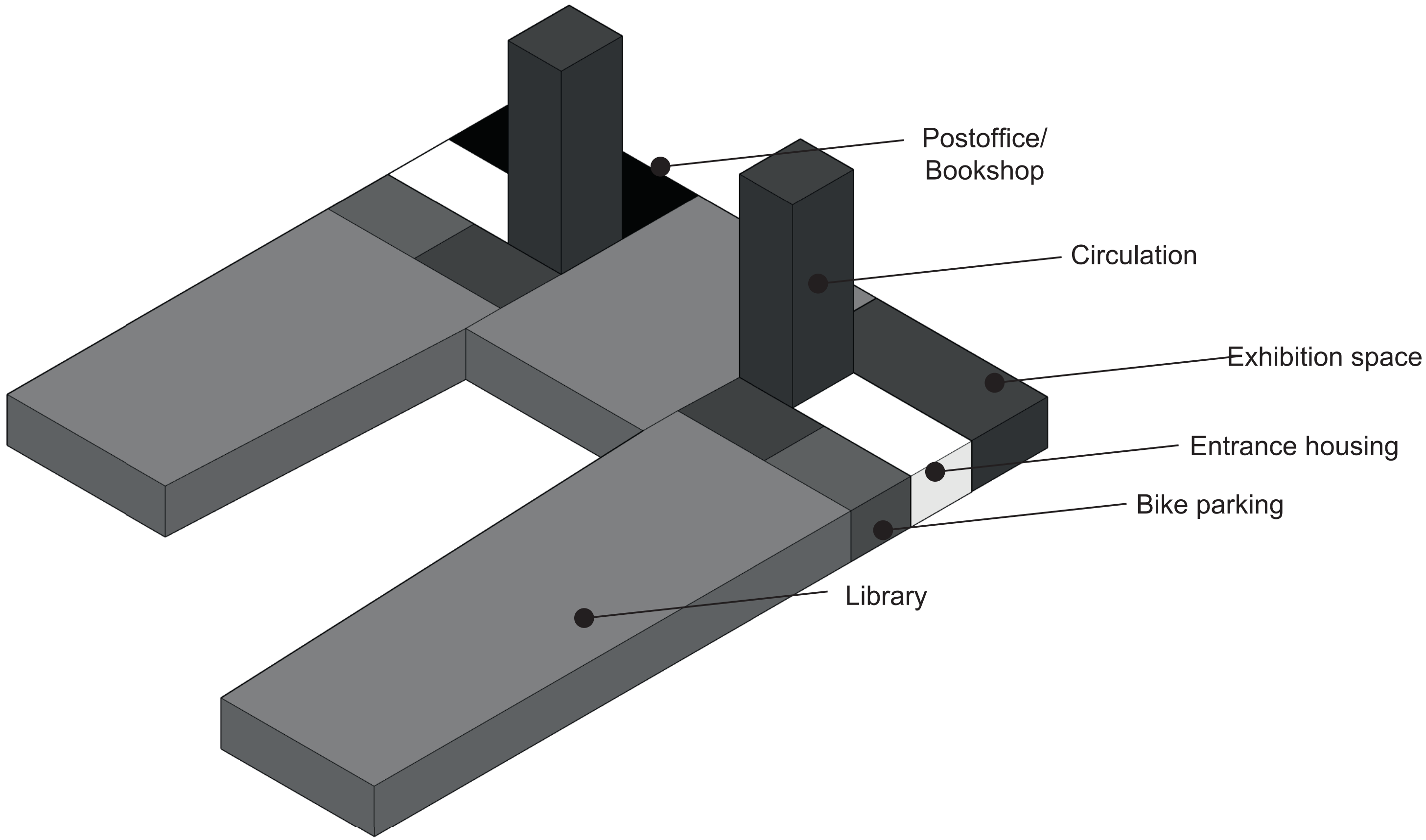


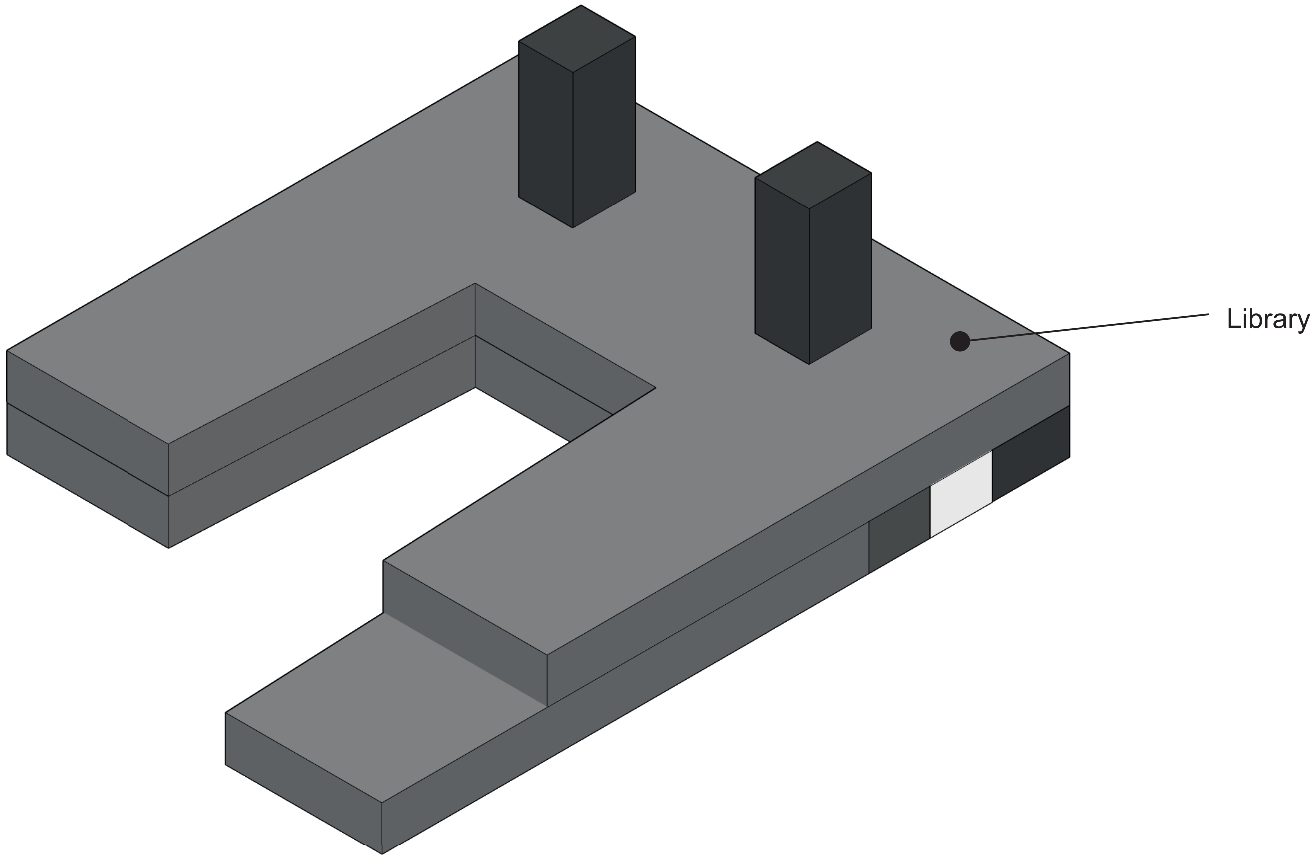
WADI

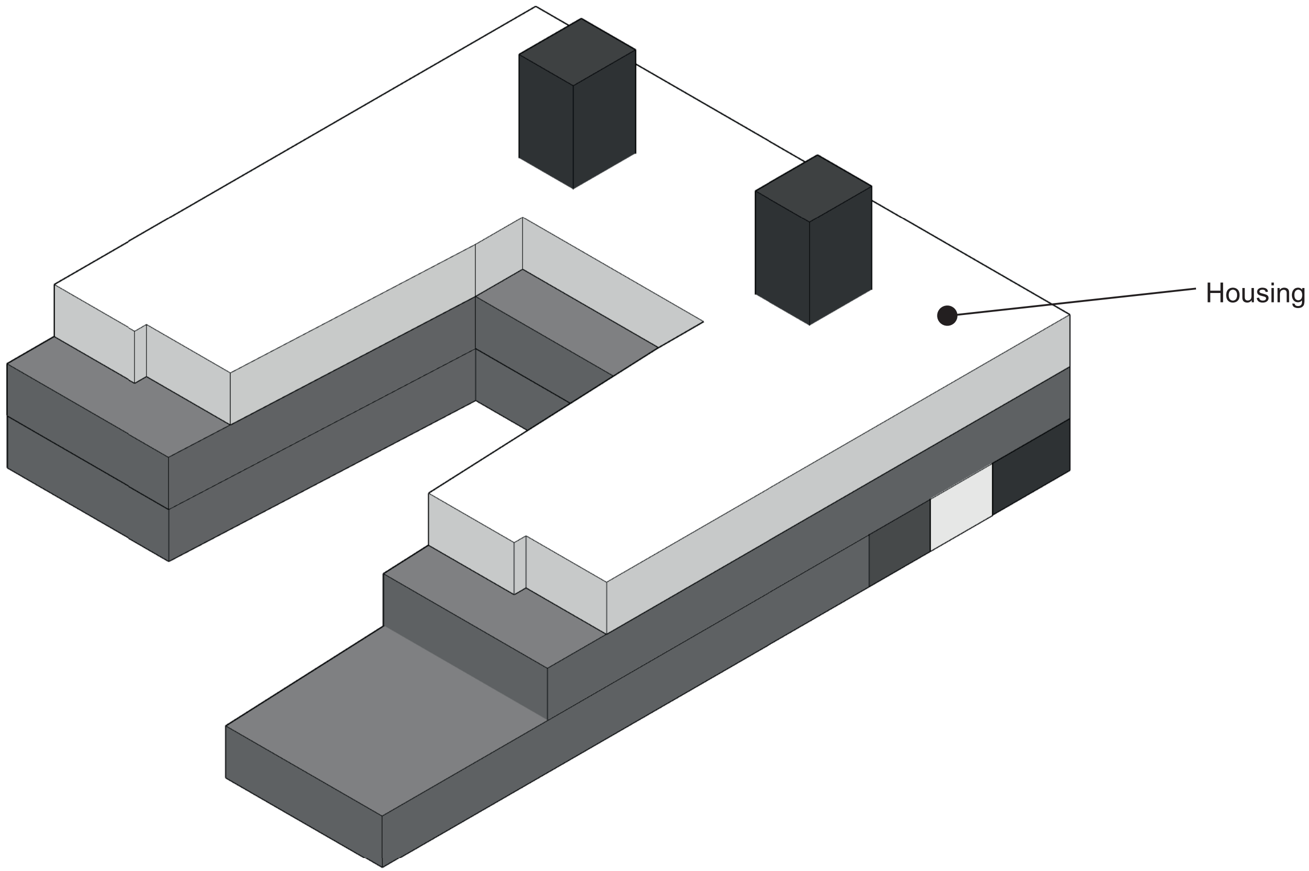


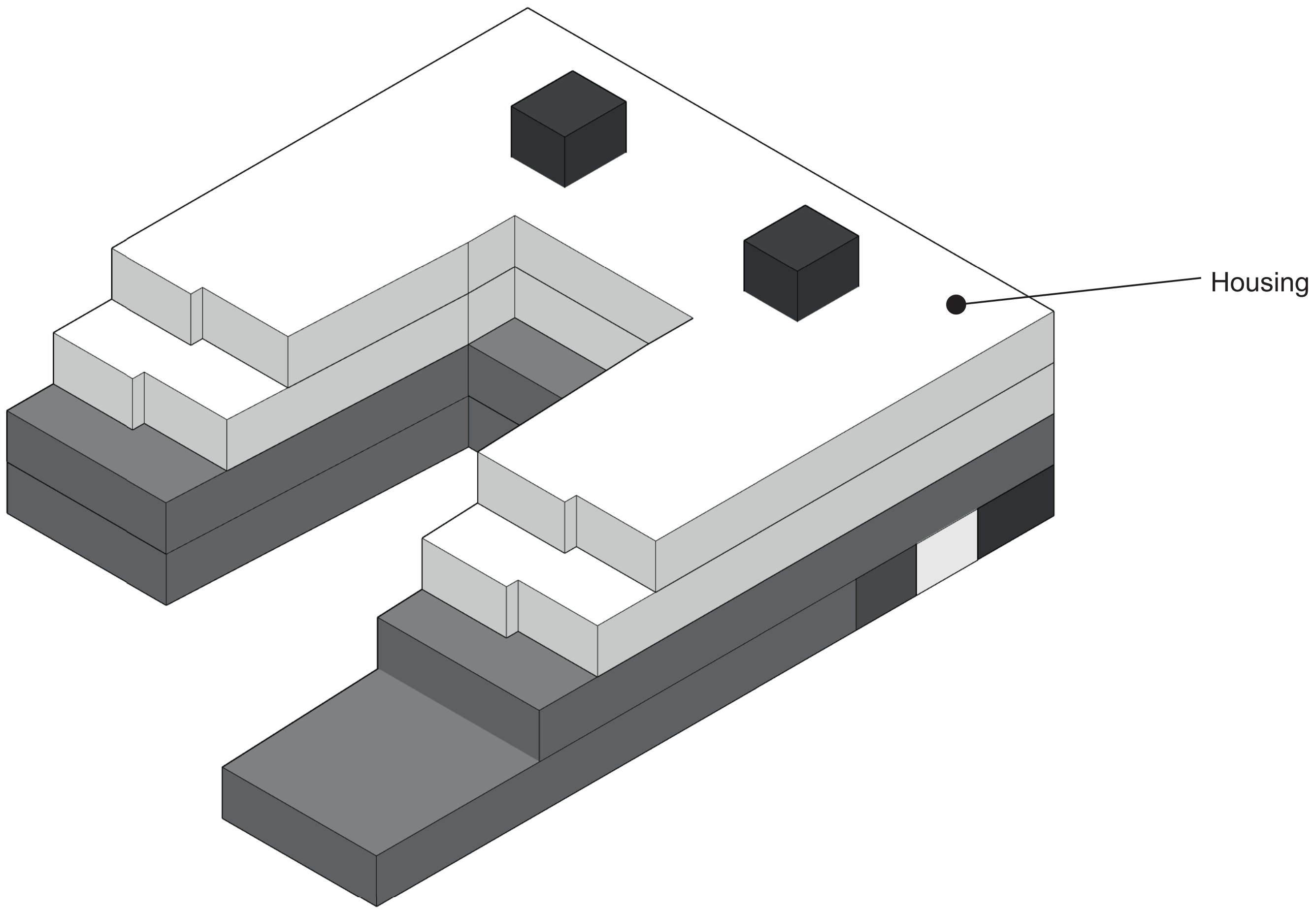



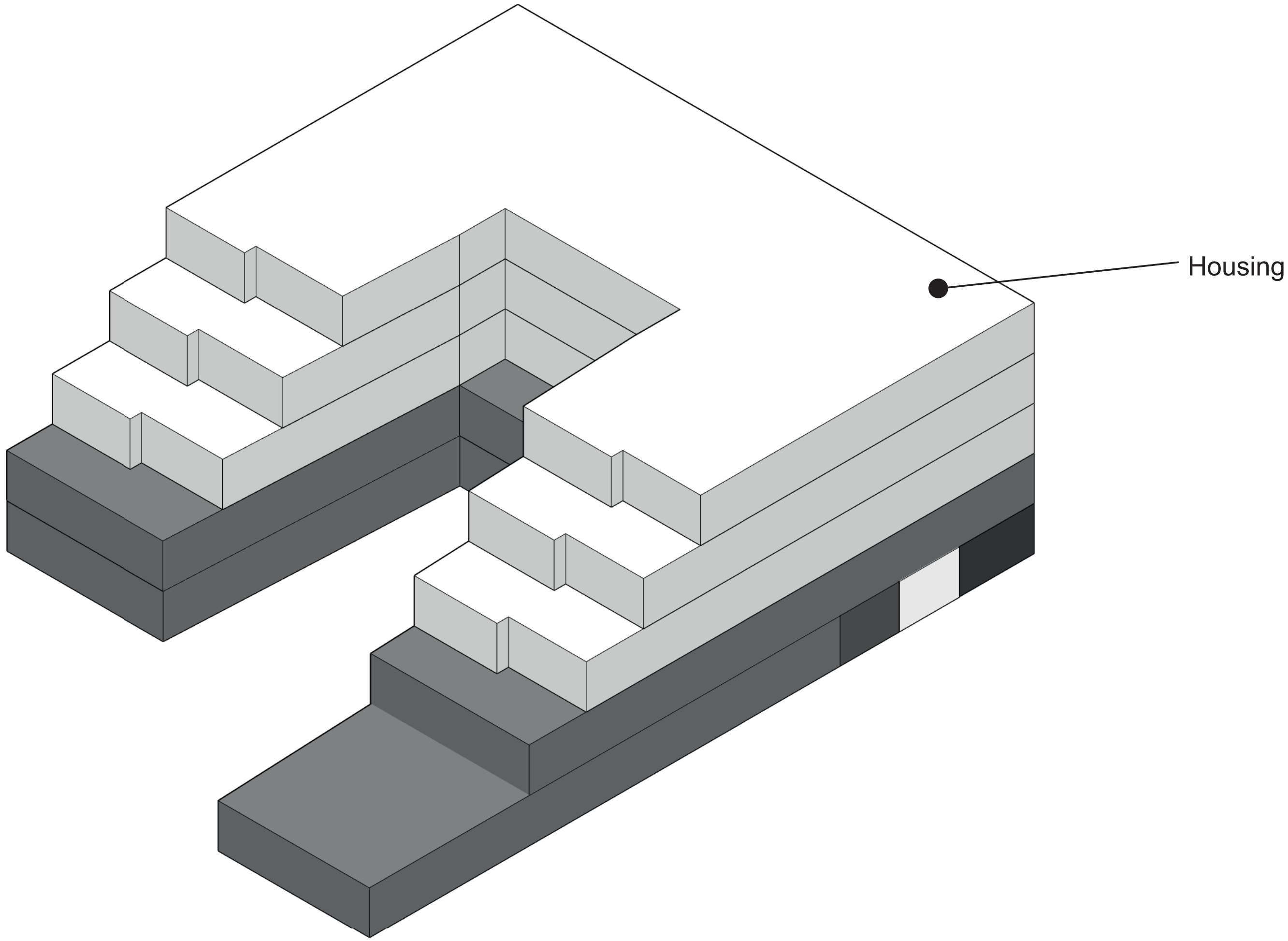

LANDSCAPE


Postoffice/
Bookshop
Circulation
Exhibition space
Entrance housing
Bike parking
Library

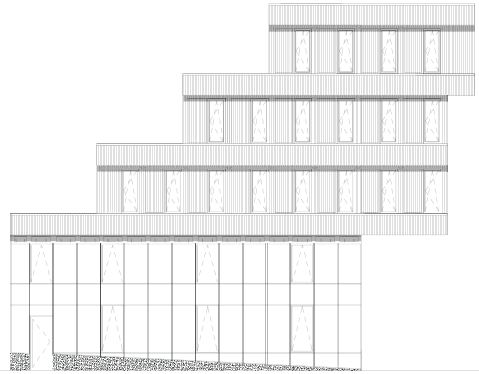

Library


Housing

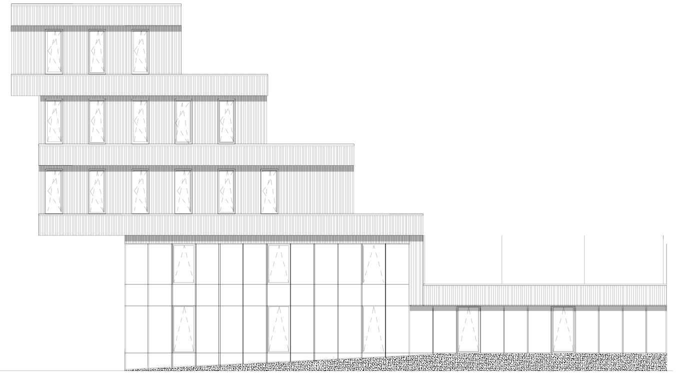

Housing


Housing

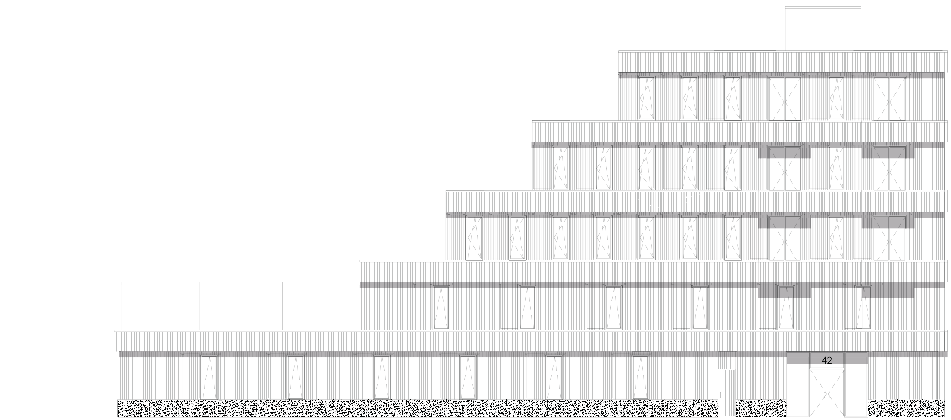
STREET FAÇADE EAST



INNER FAÇADE SOUTH



INNER FAÇADE NORTH



OUTER FAÇADE SOUTH

OUTER FAÇADE NORTH

FAÇADES

N

1:200 STREET FACADE

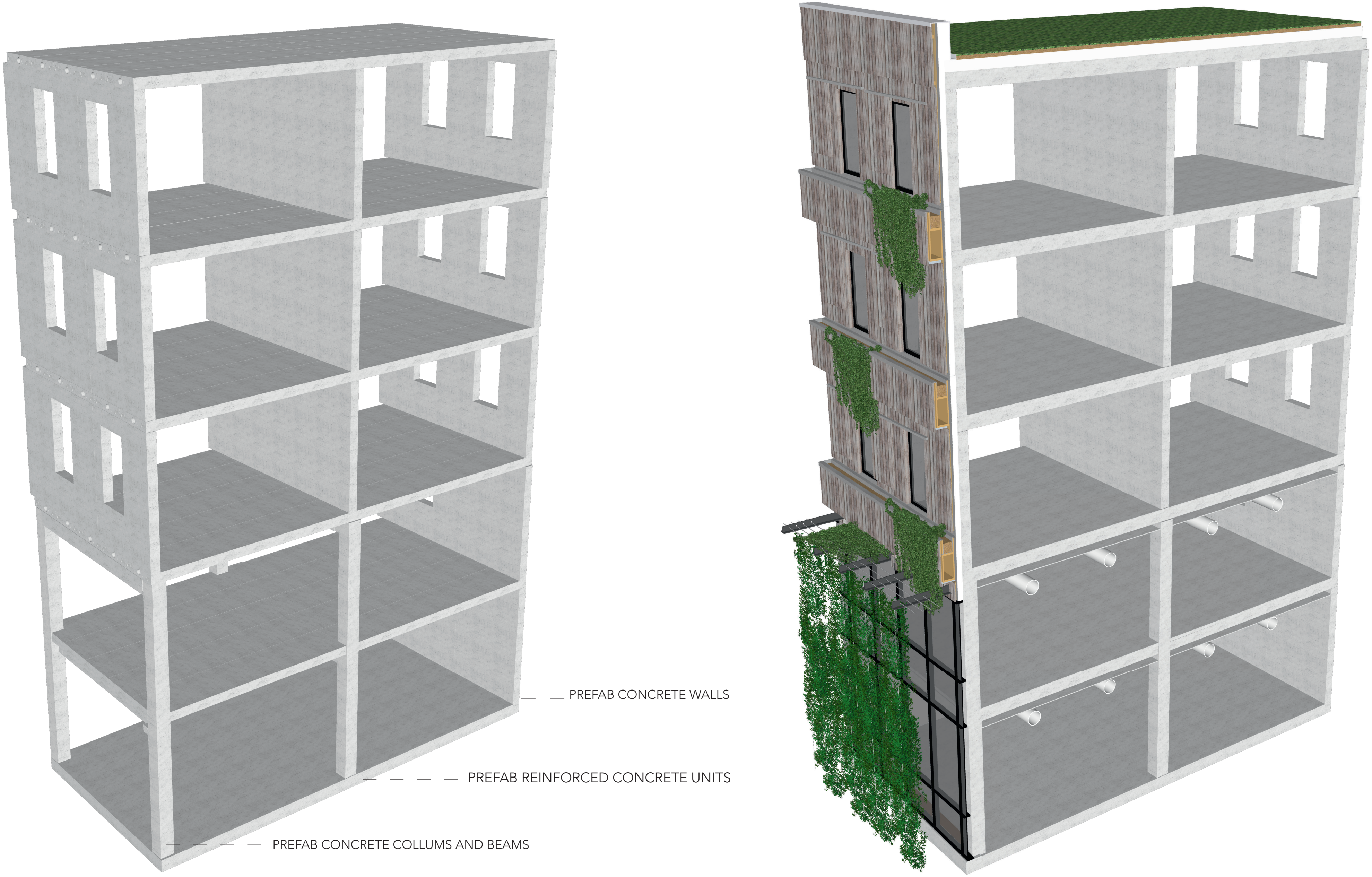
ARCHITECTURE

N

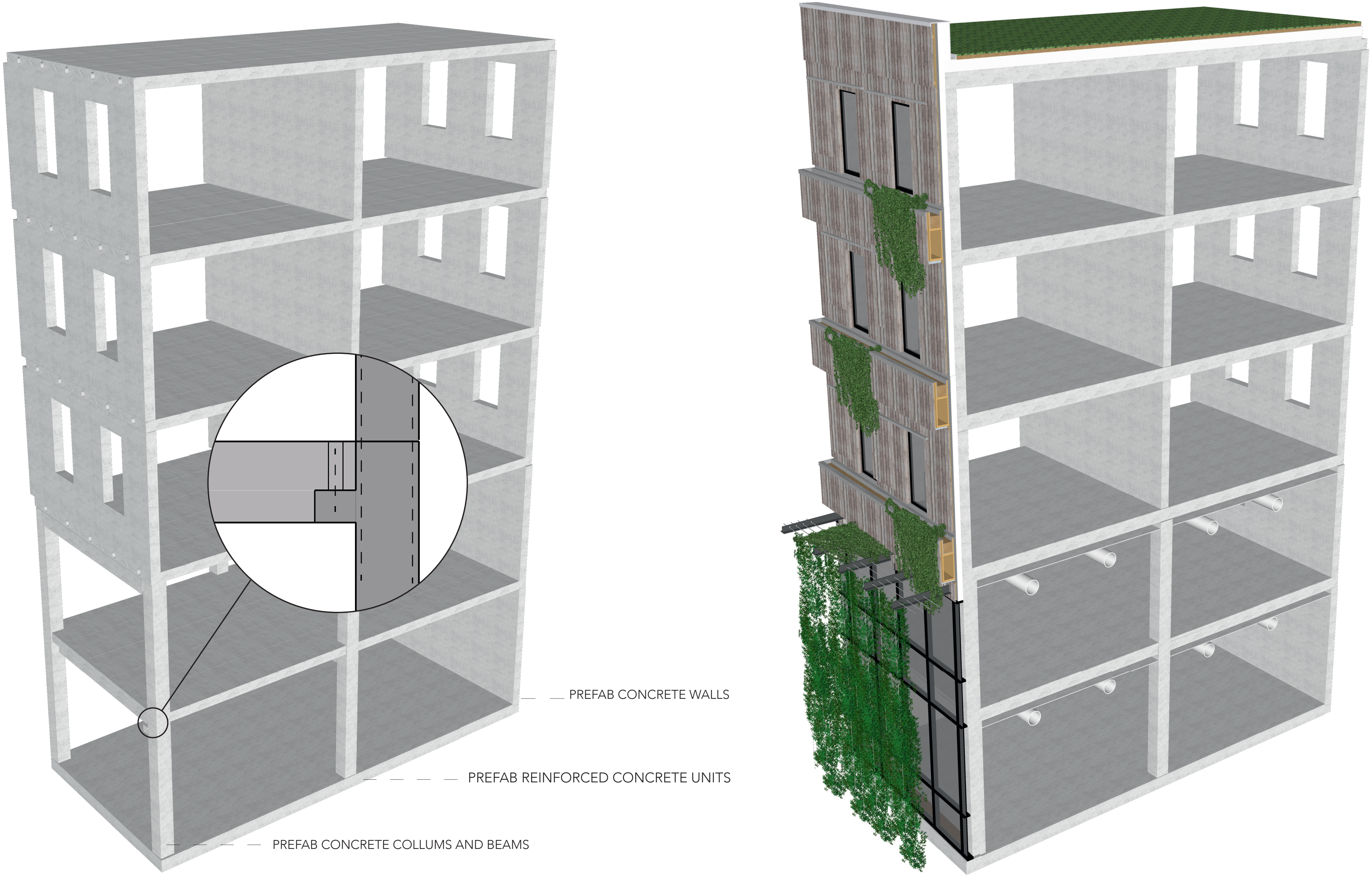
ARCHITECTURE

1:200 FACADE

ARCHITECTURE



CONSTRUCTION



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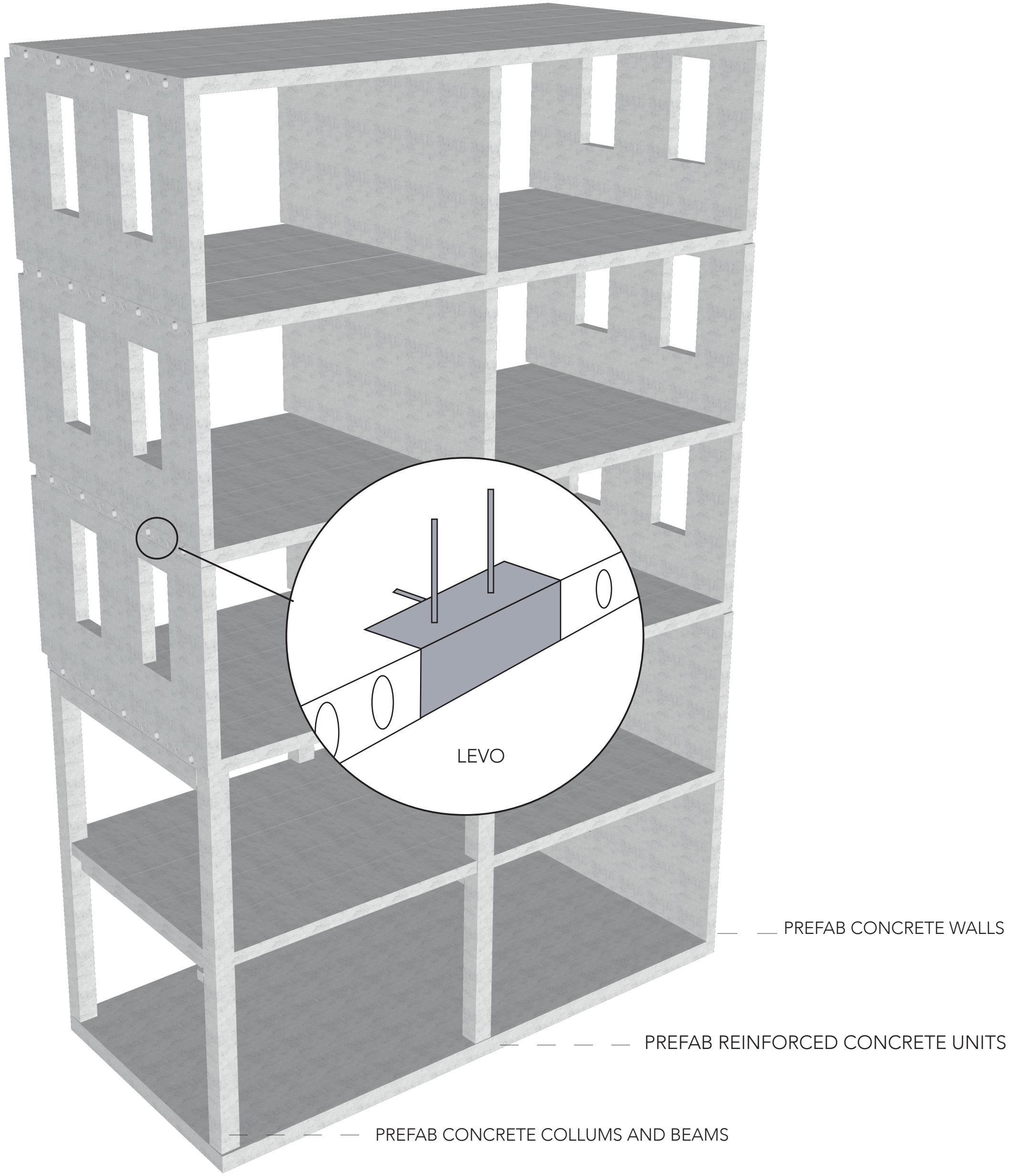

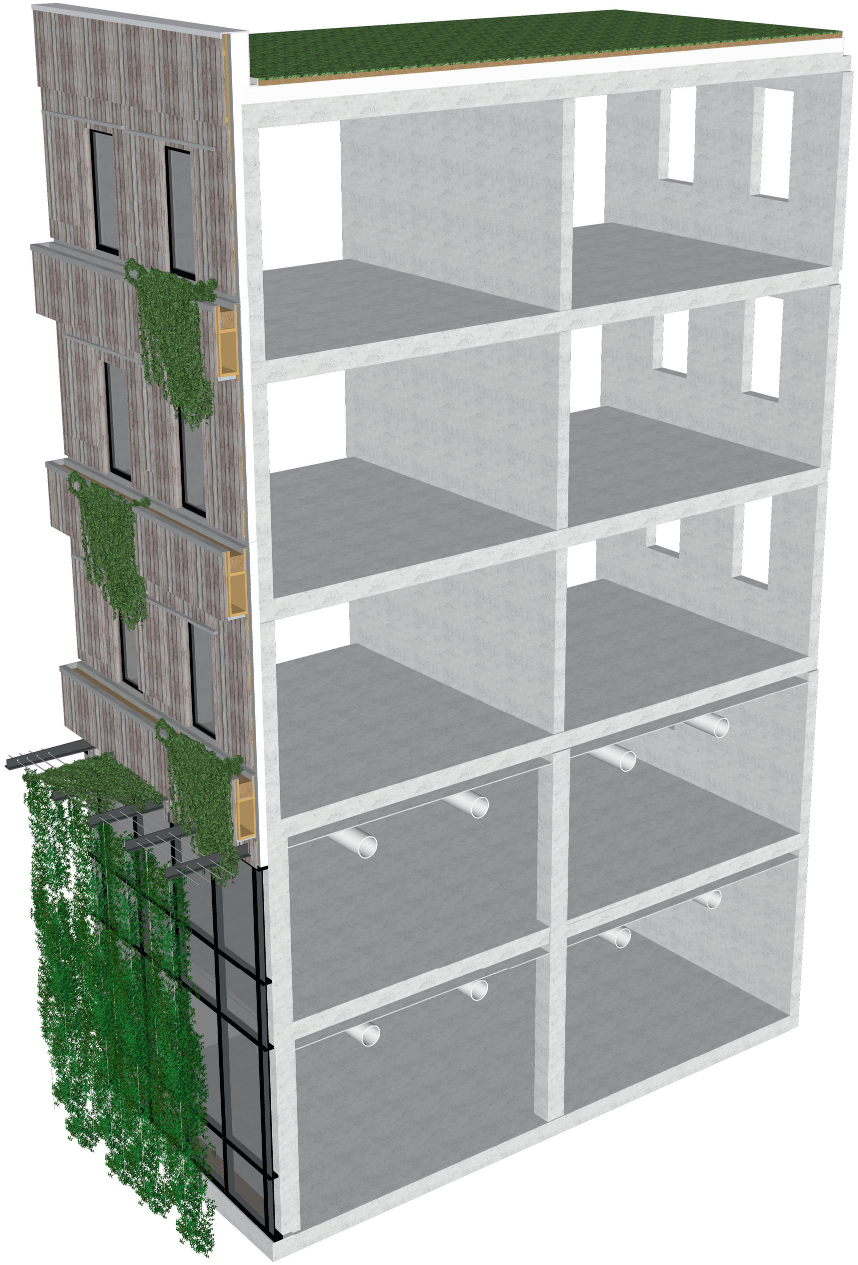

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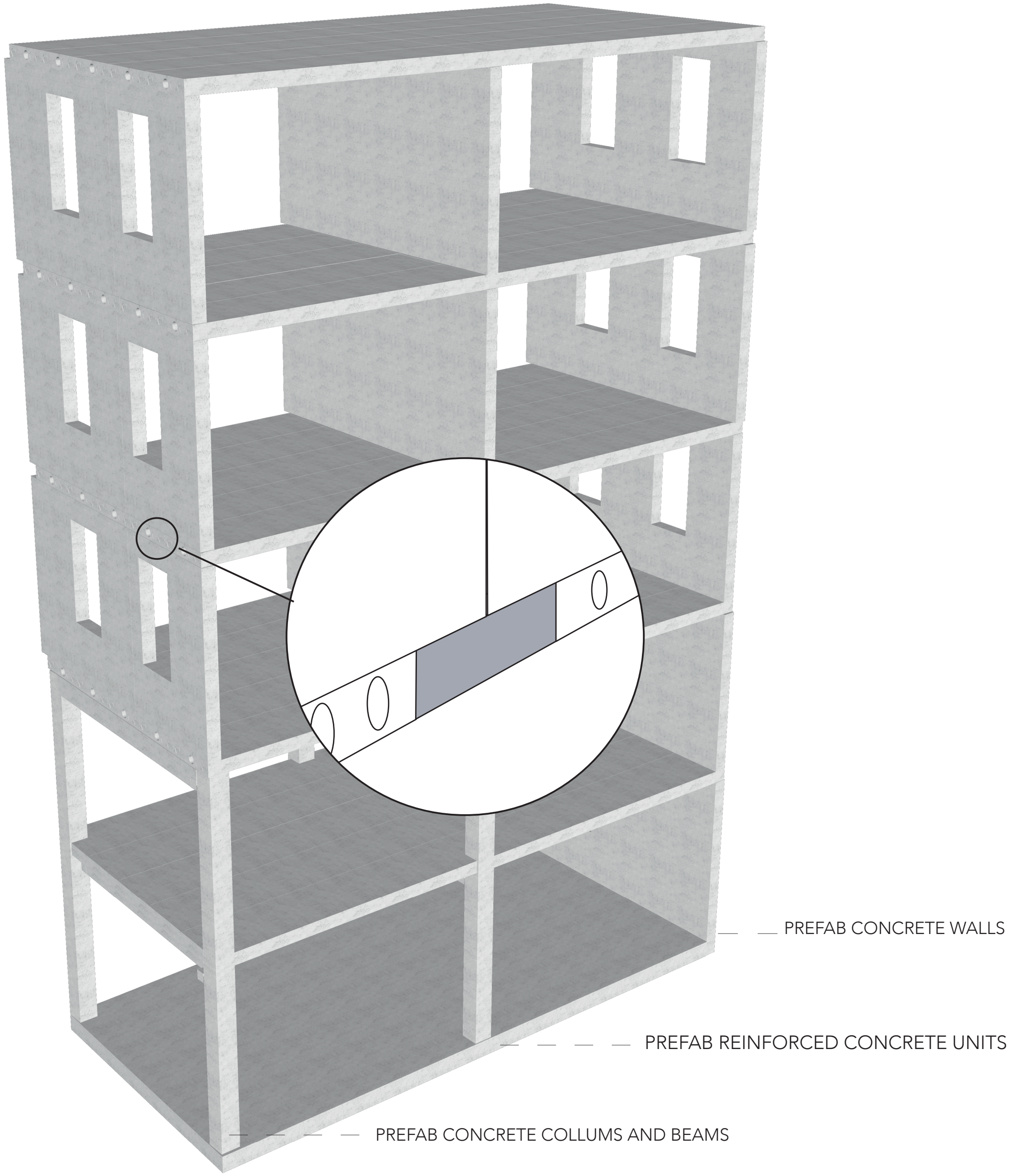
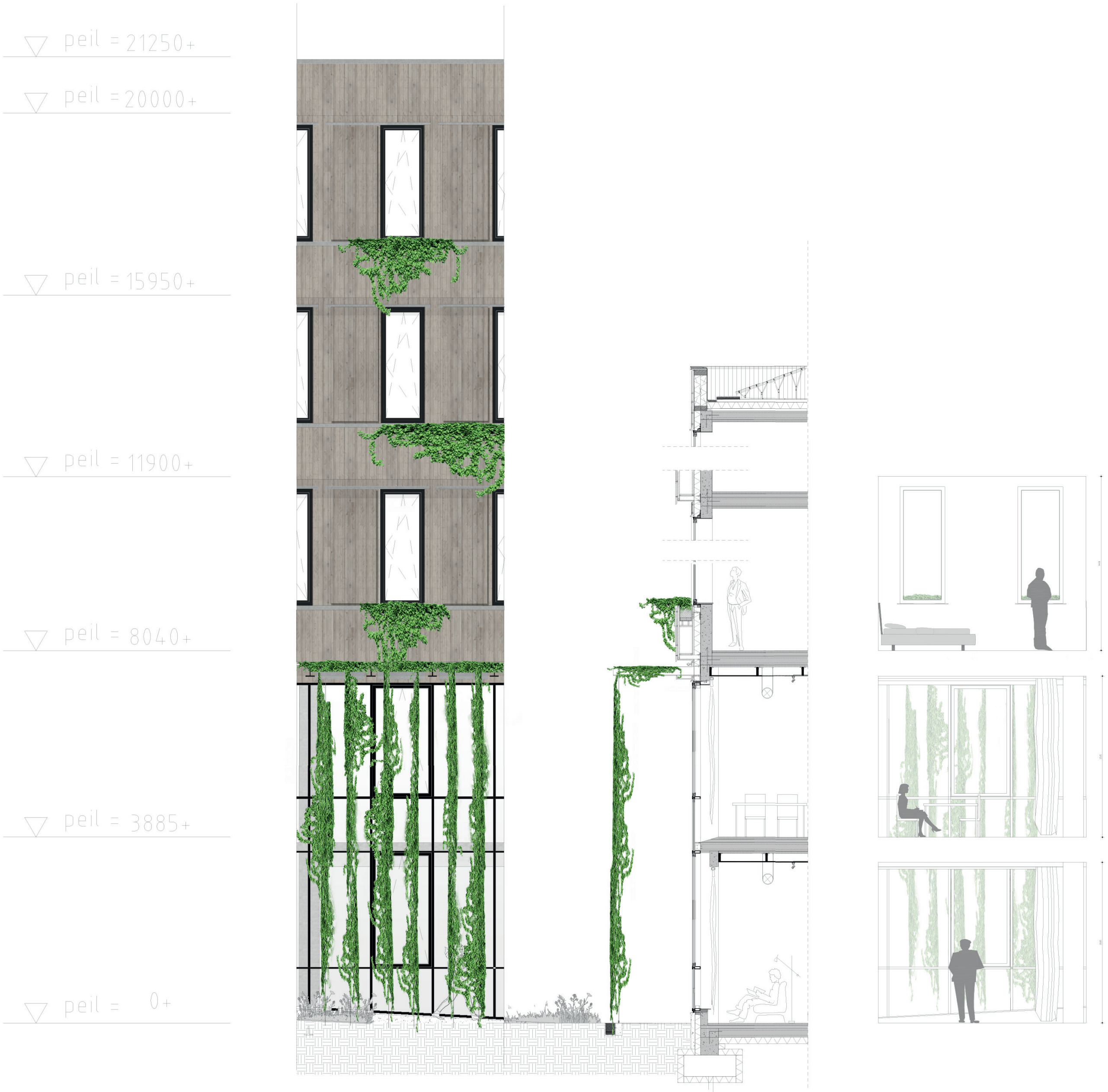


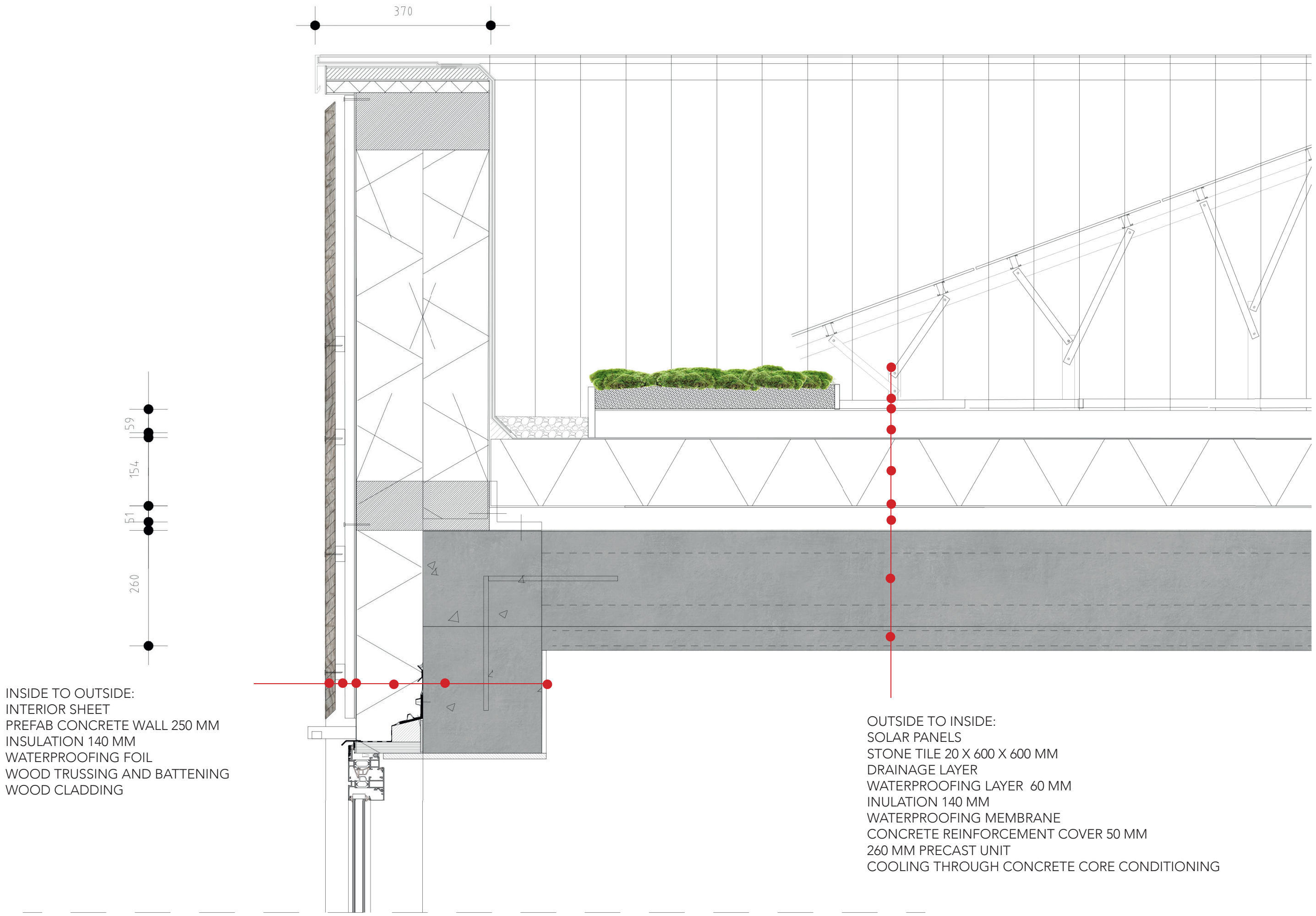
CONSTRUCTION

ARCHITECTURE



1:100 FACADE

SECTION 1:50



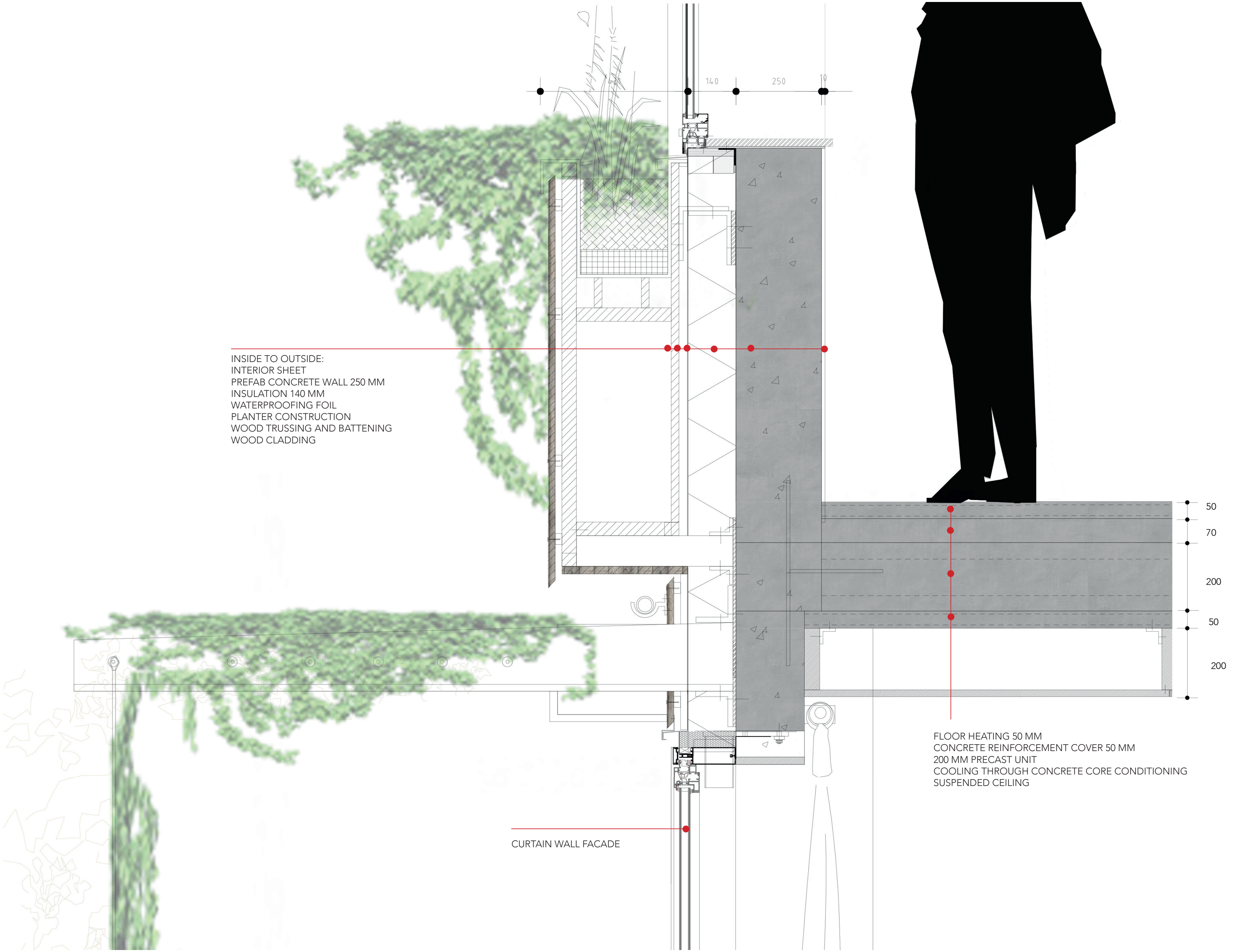
1:10 ROOF DETAIL

ARCHITECTURE

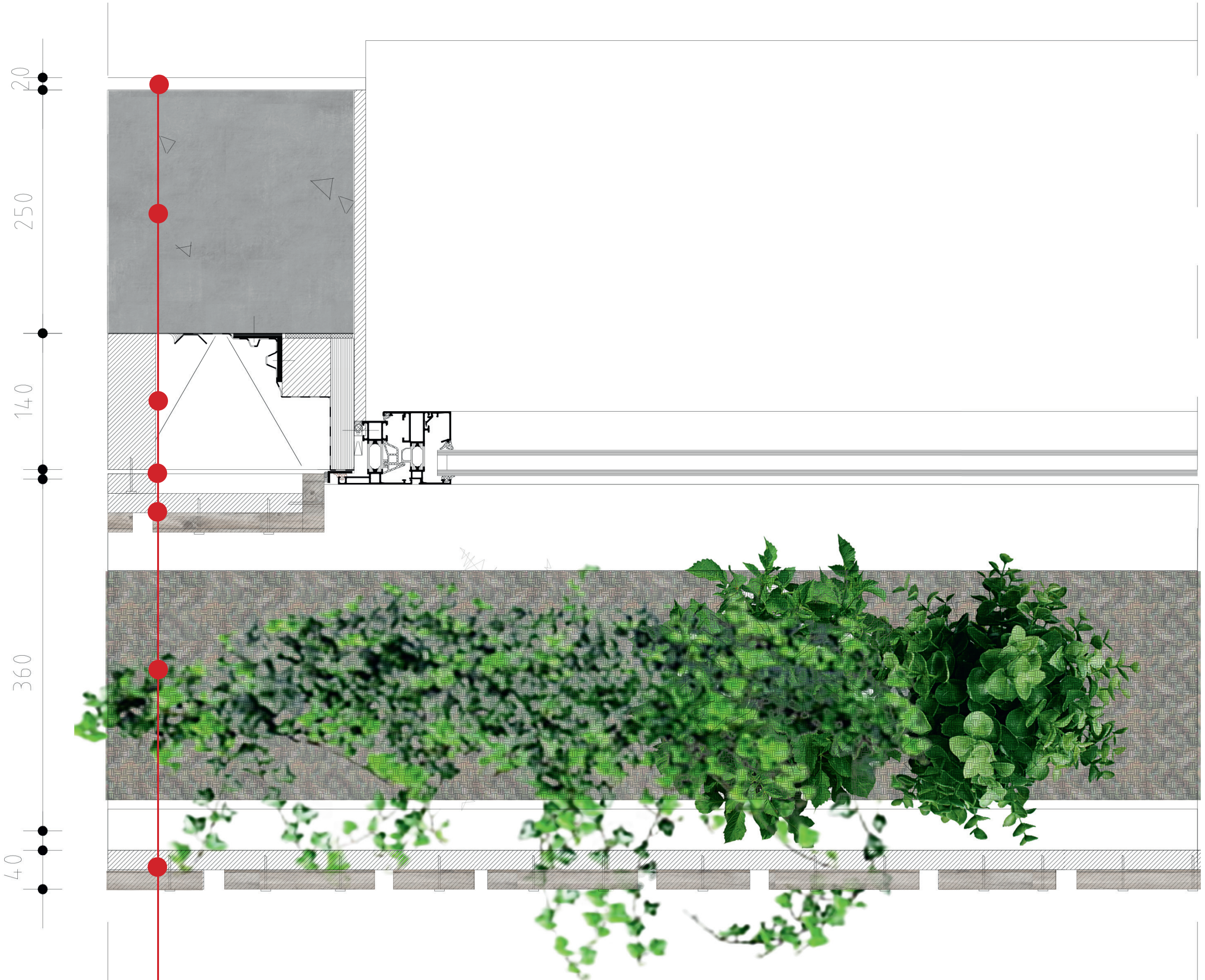
AMERICAN BARNS
WHITE PINE WOOD

ANTOINE VERHOFSTEDE BELGIUM
TREATED AGAINST LARVAE, BUGS
AND MOLD WITH GALTANE HM1.

SENNE HOUSE
WIDTH 100-200 MM
THICKNESS 15 MM
LENGTH 3000 MM



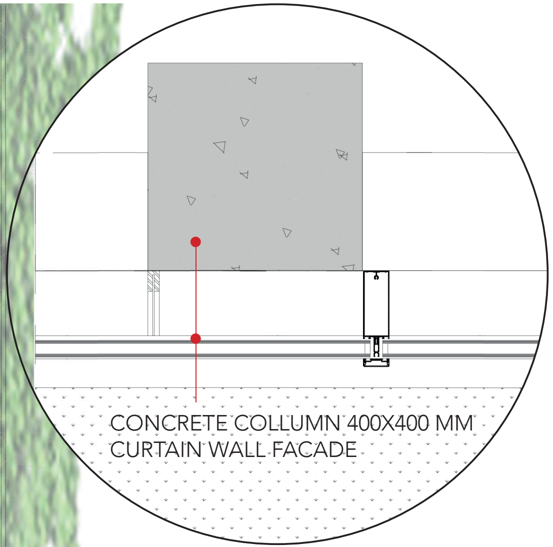
1:10 HOUSING & LIBRARY DETAIL



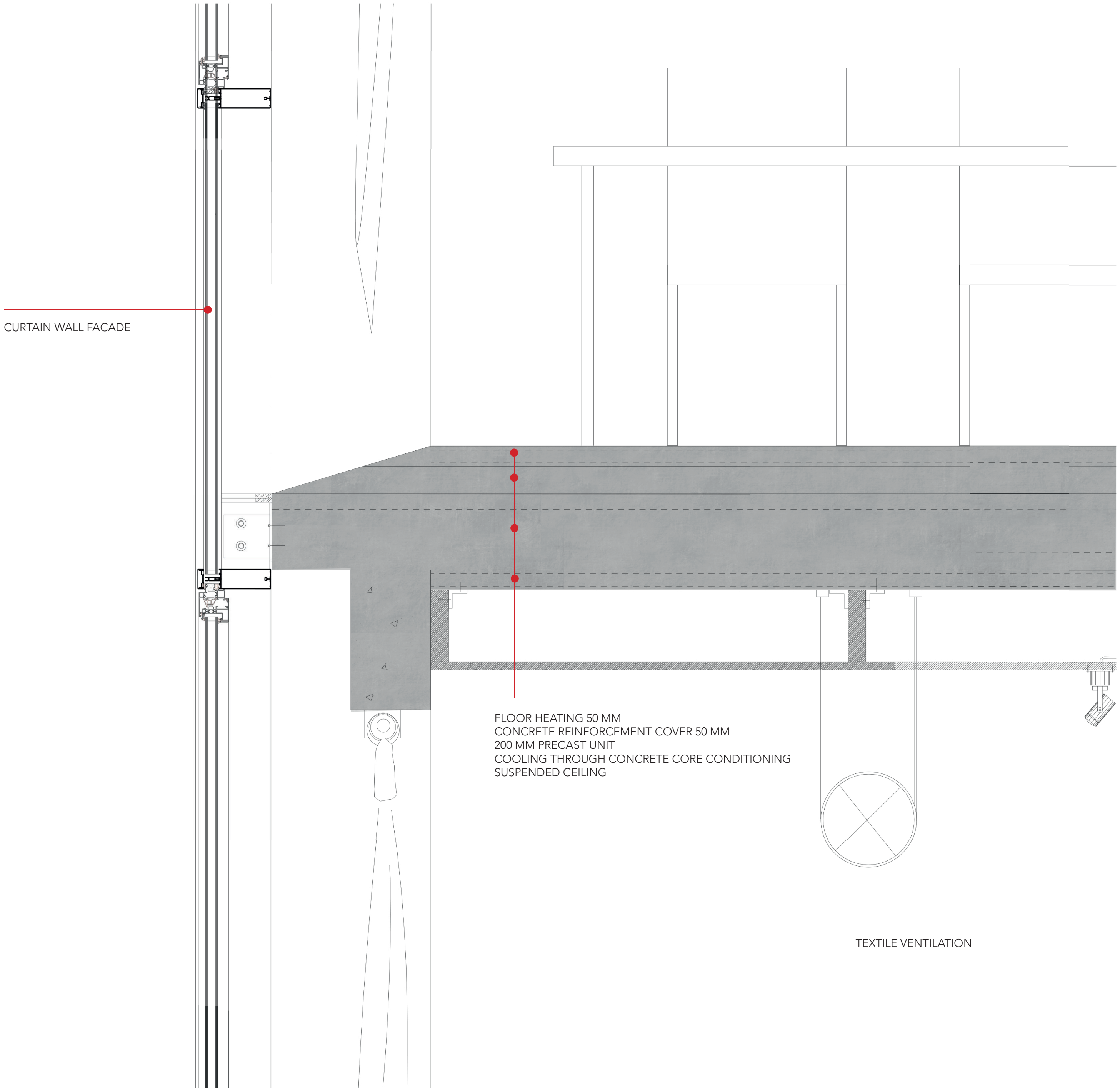
INTERIOR SHEET
PREFAB CONCRETE WALL 250 MM
INSULATION 140 MM
POROUS FOIL
WOOD CLADDING
FACADE PLANTER
SOIL
REUSED PINE WOOD CLADDING

1:5 DETAIL FACADE HOUSING

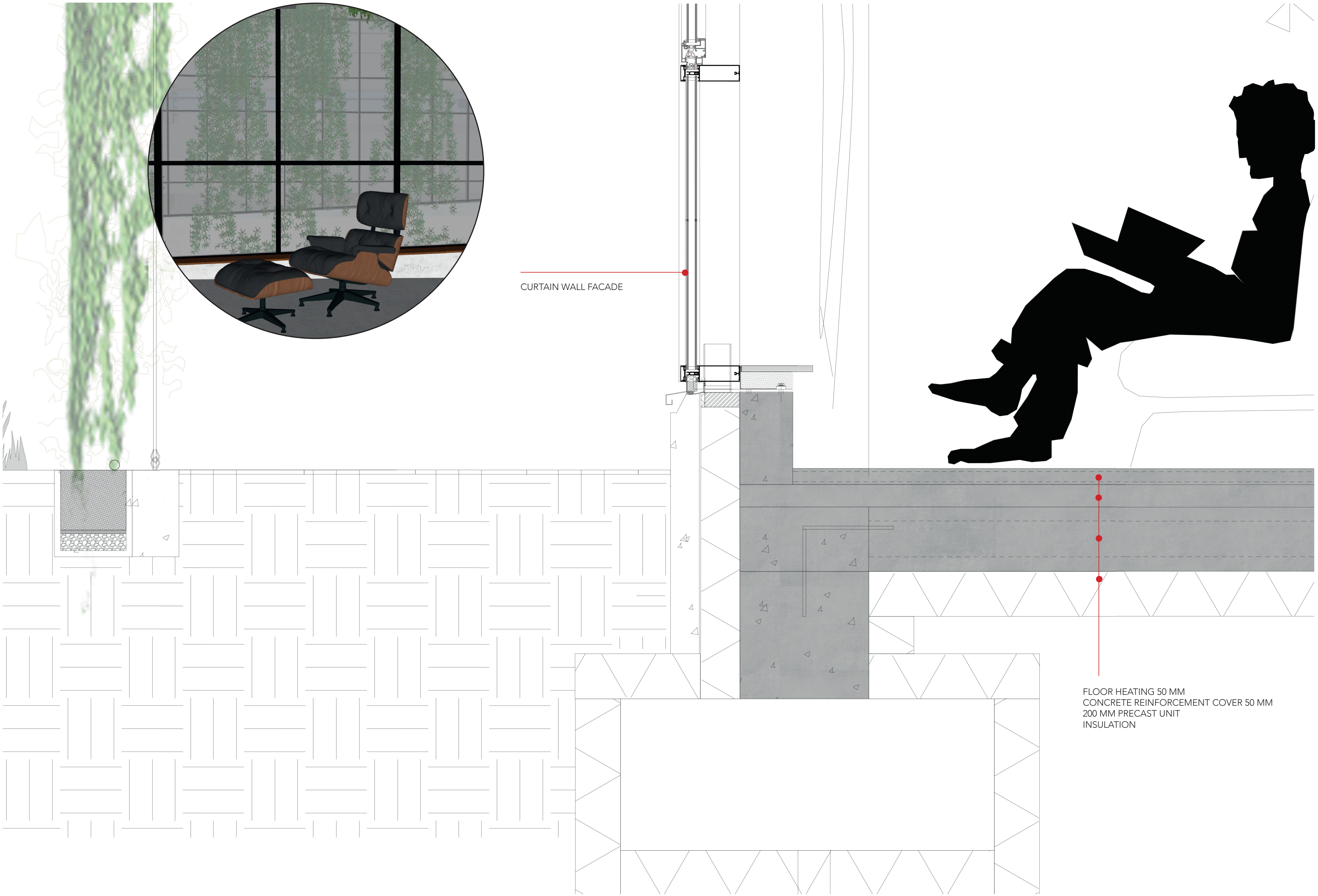
ARCHITECTURE



1:5 HORIZONTAL DETAIL

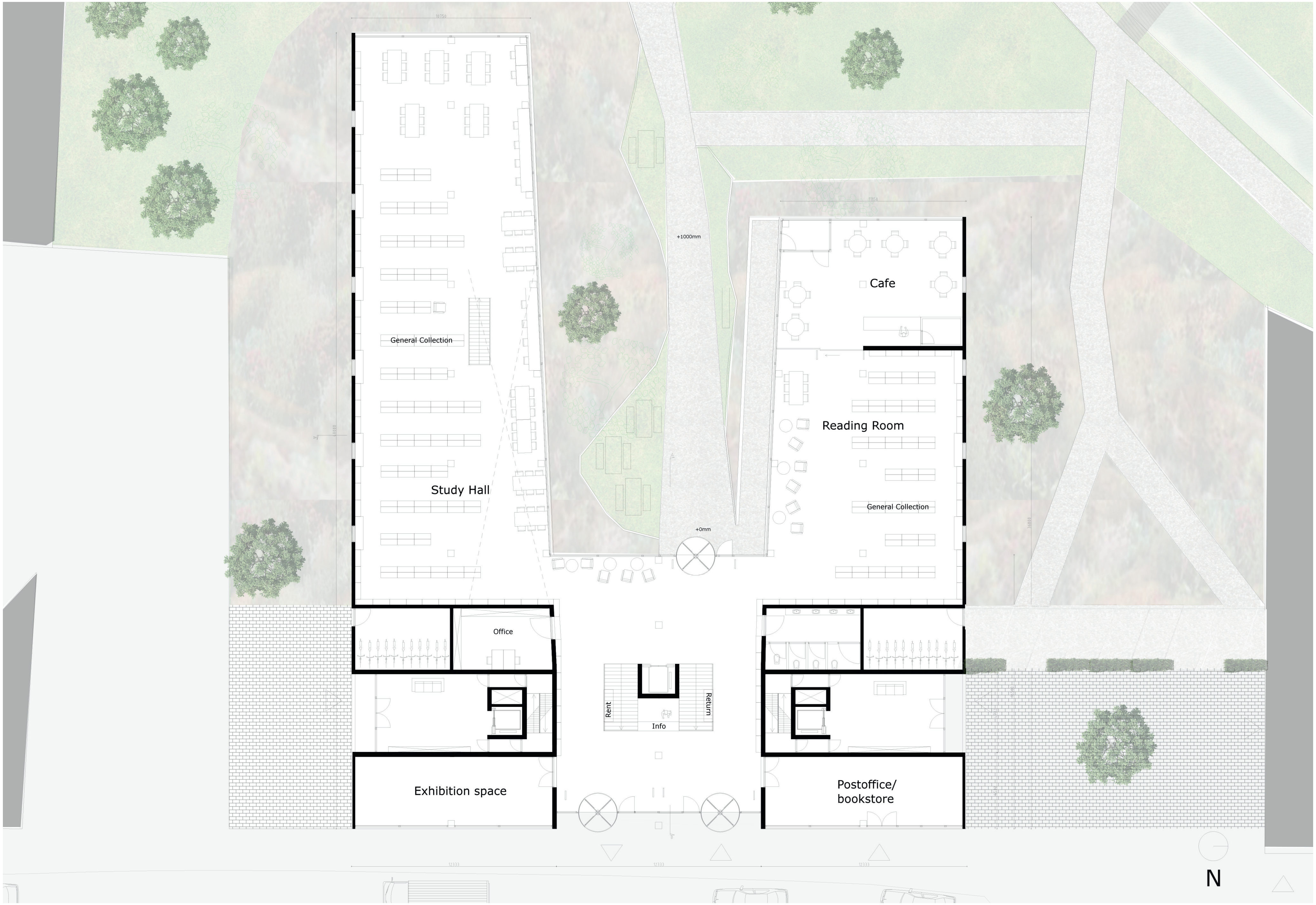


1:10 DETAIL LIBRARY



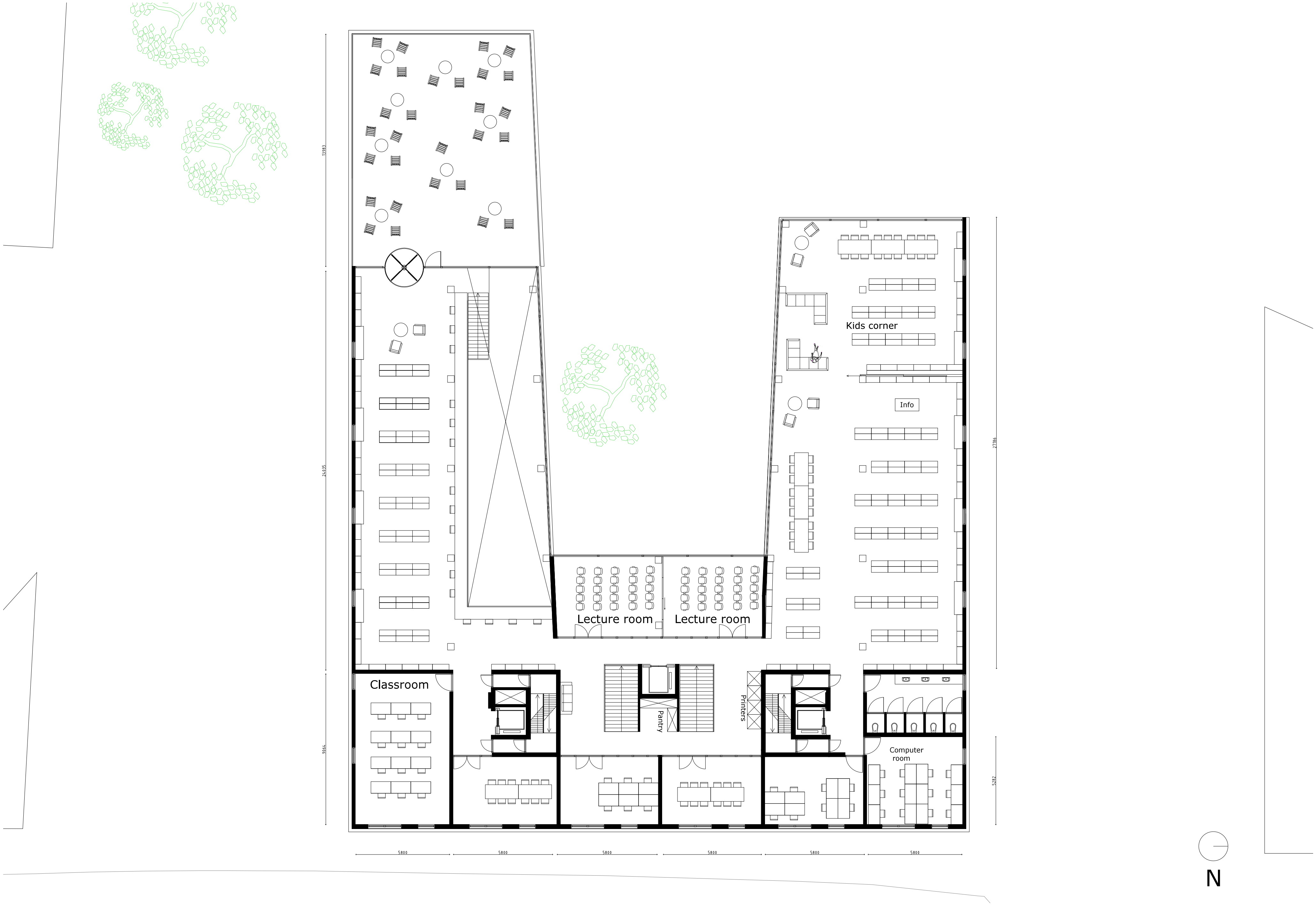
1:10 DETAIL LIBRARY FIRST LEVEL

ARCHITECTURE



FLOORPLAN FIRST LEVEL LIBRARY 1:200

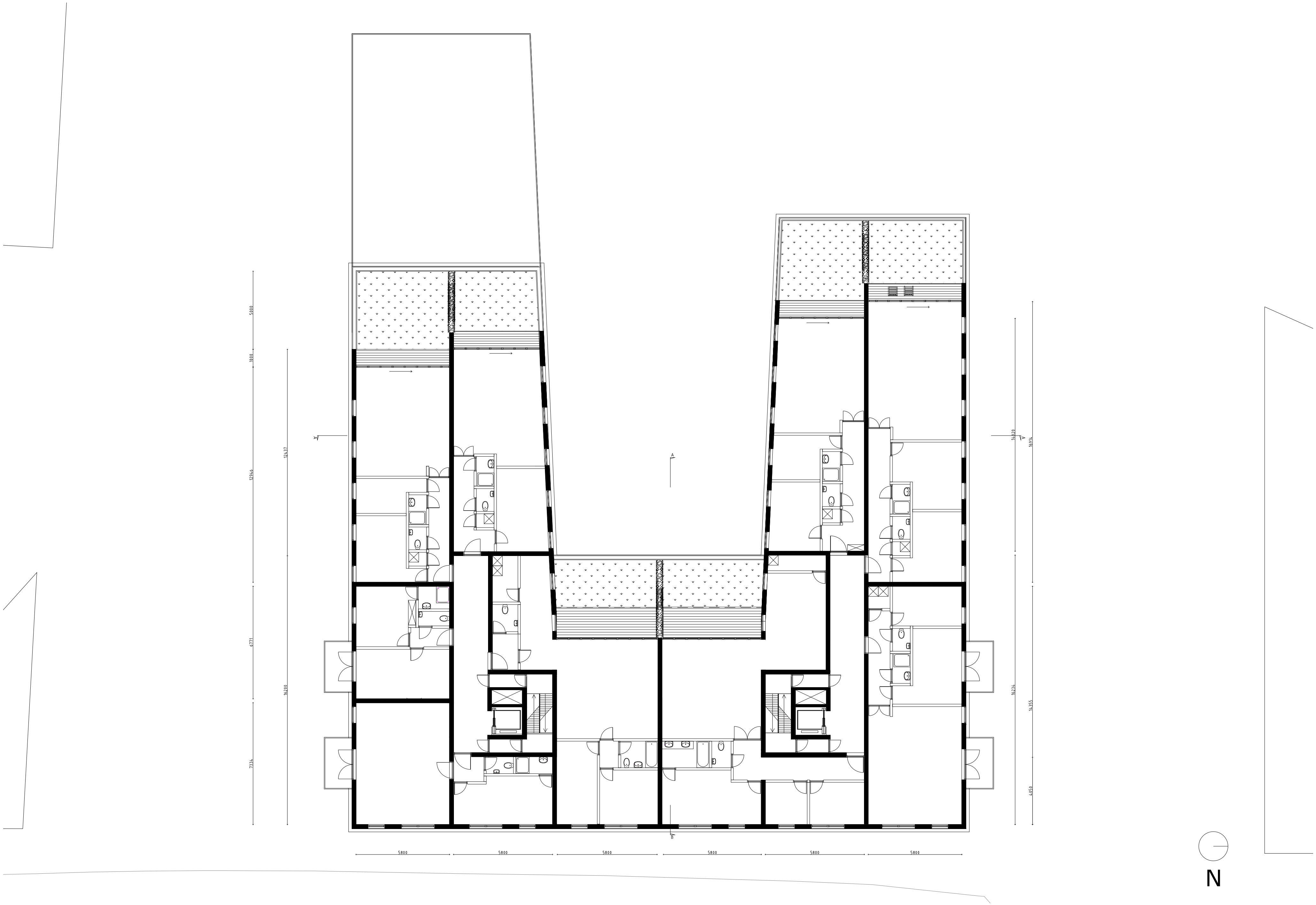
ARCHITECTURE



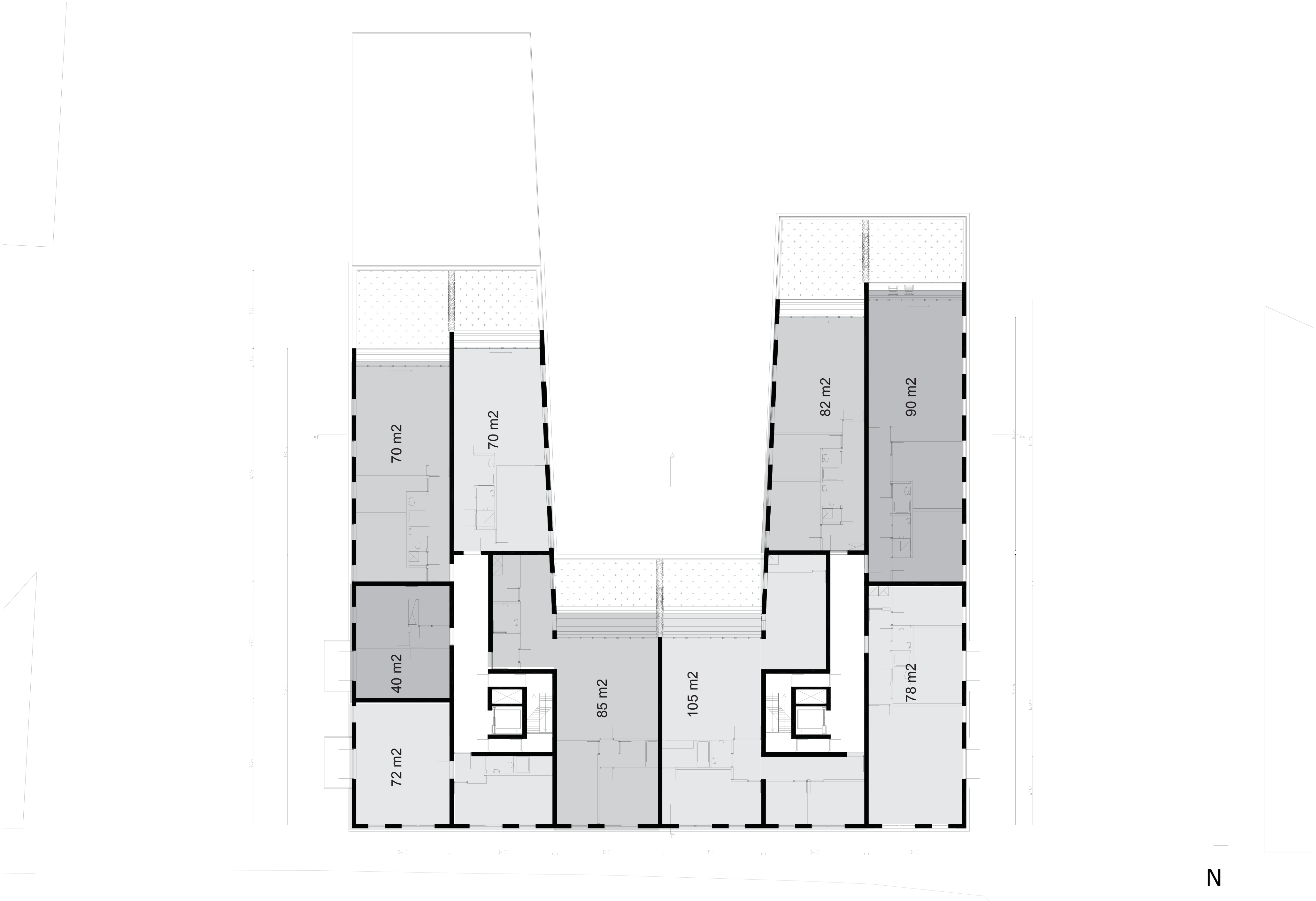
FLOORPLAN SECOND LEVEL LIBRARY 1:200

ARCHITECTURE

LIBRARY VISUALISATION

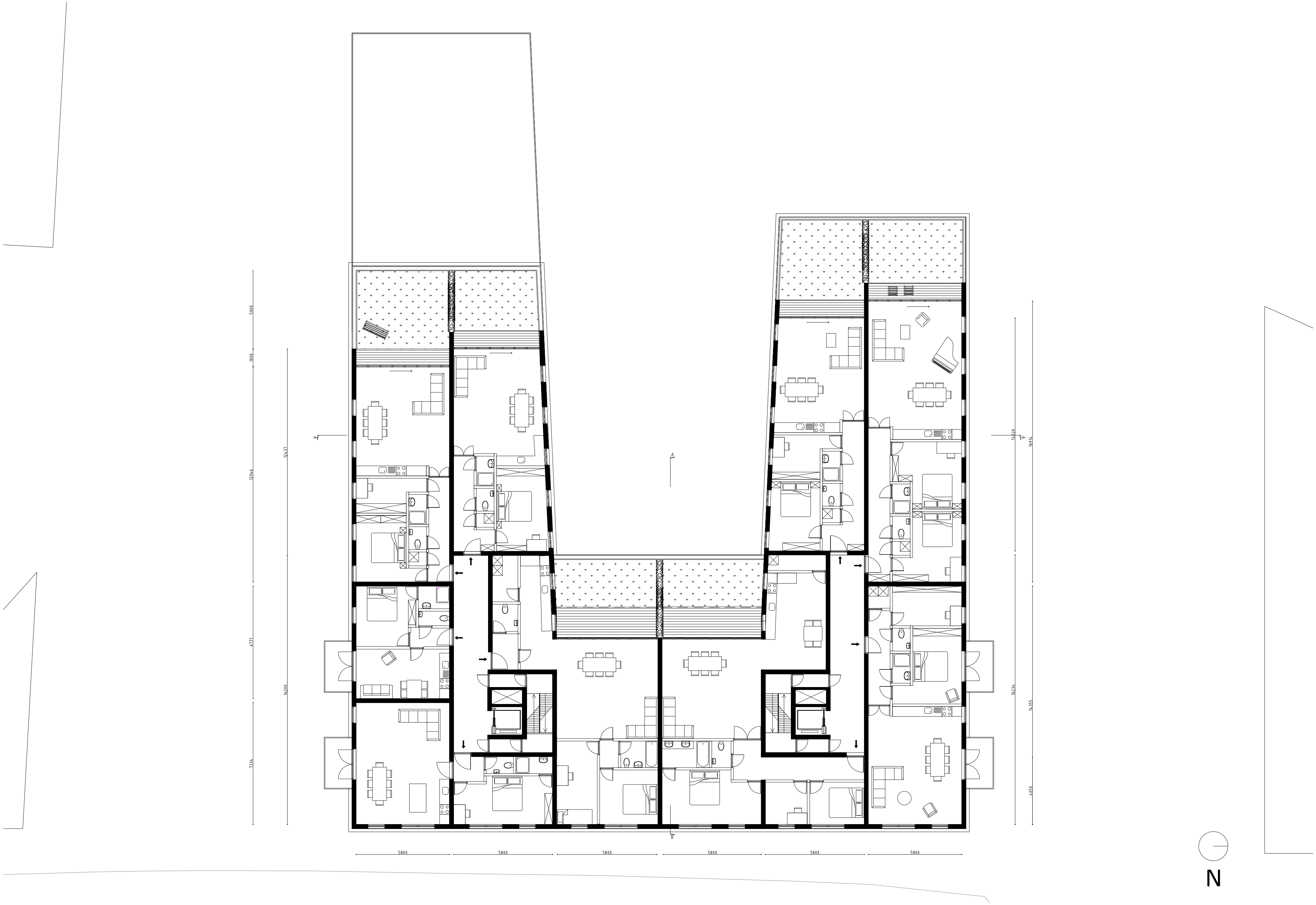


FLOORPLAN THIRD LEVEL HOUSING 1:200



FLOORPLAN THIRD LEVEL HOUSING 1:200

ARCHITECTURE



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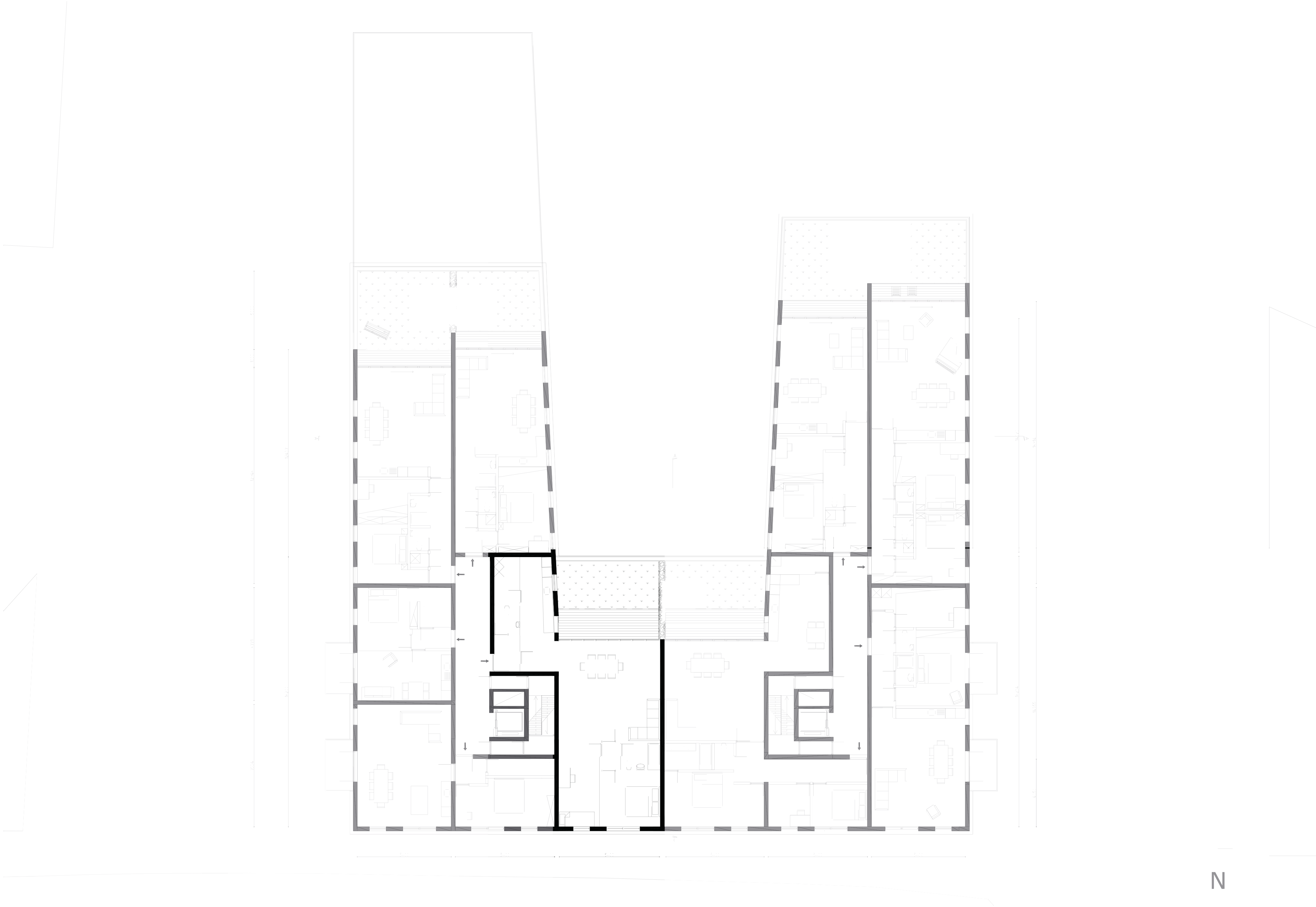
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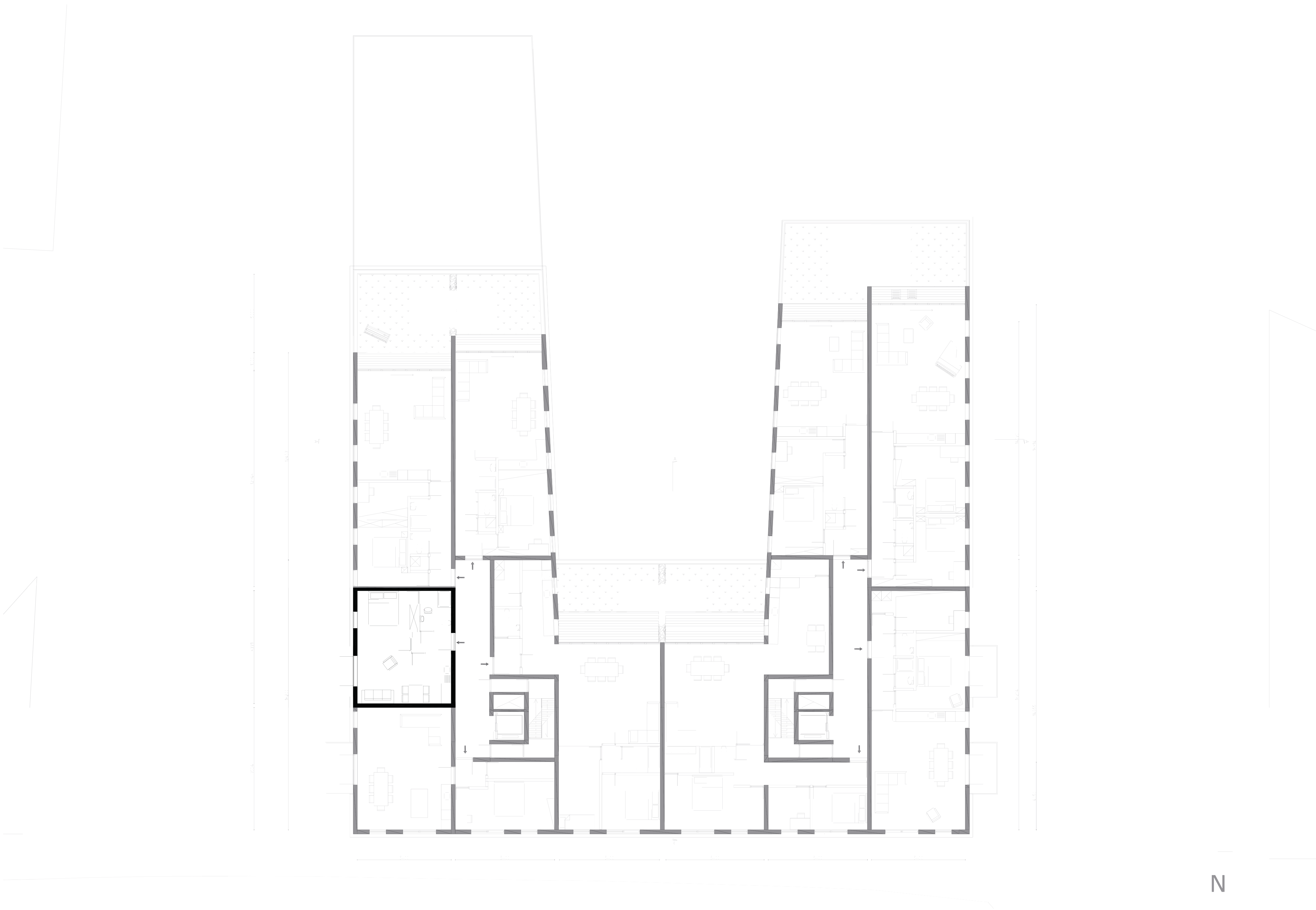
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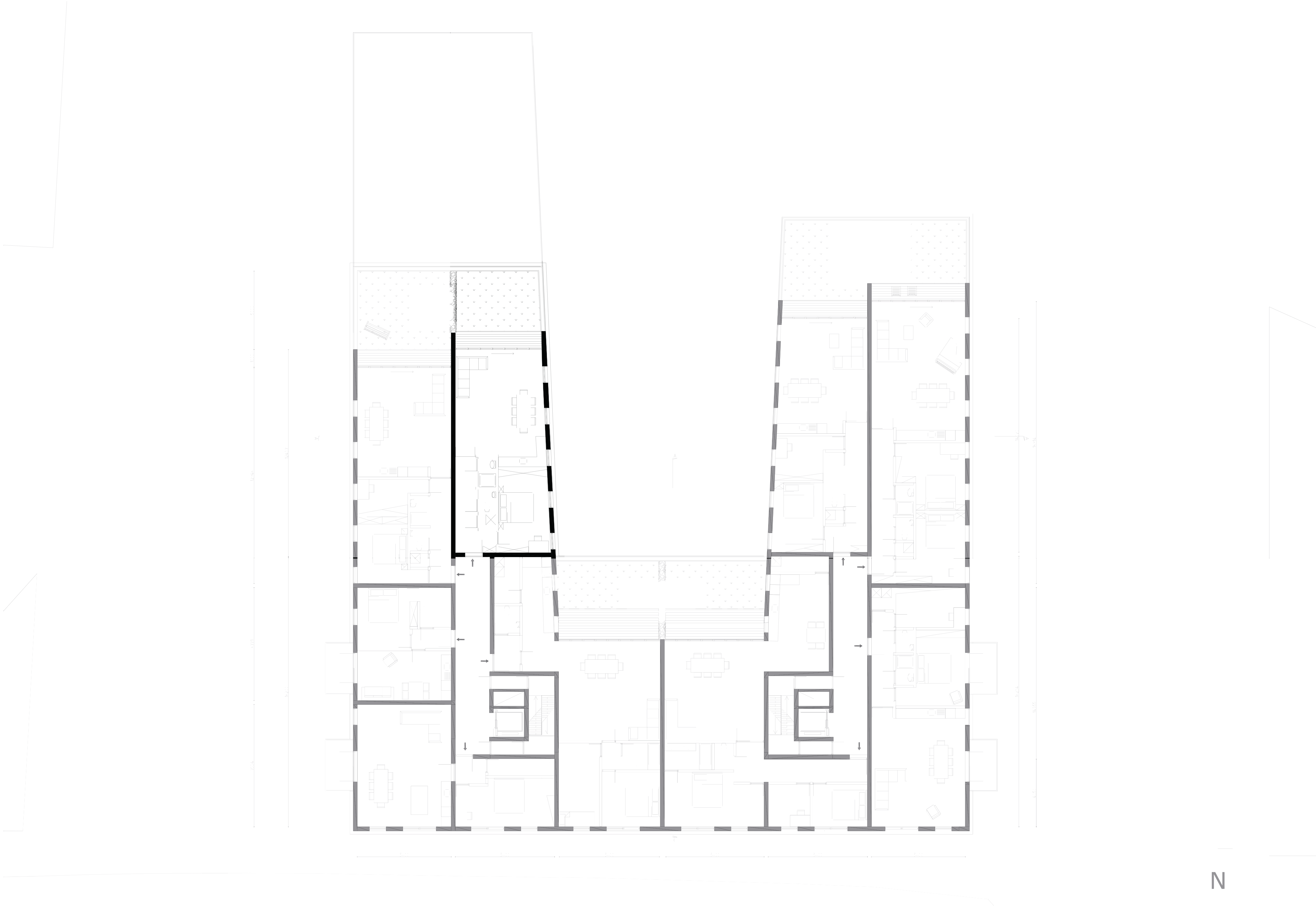
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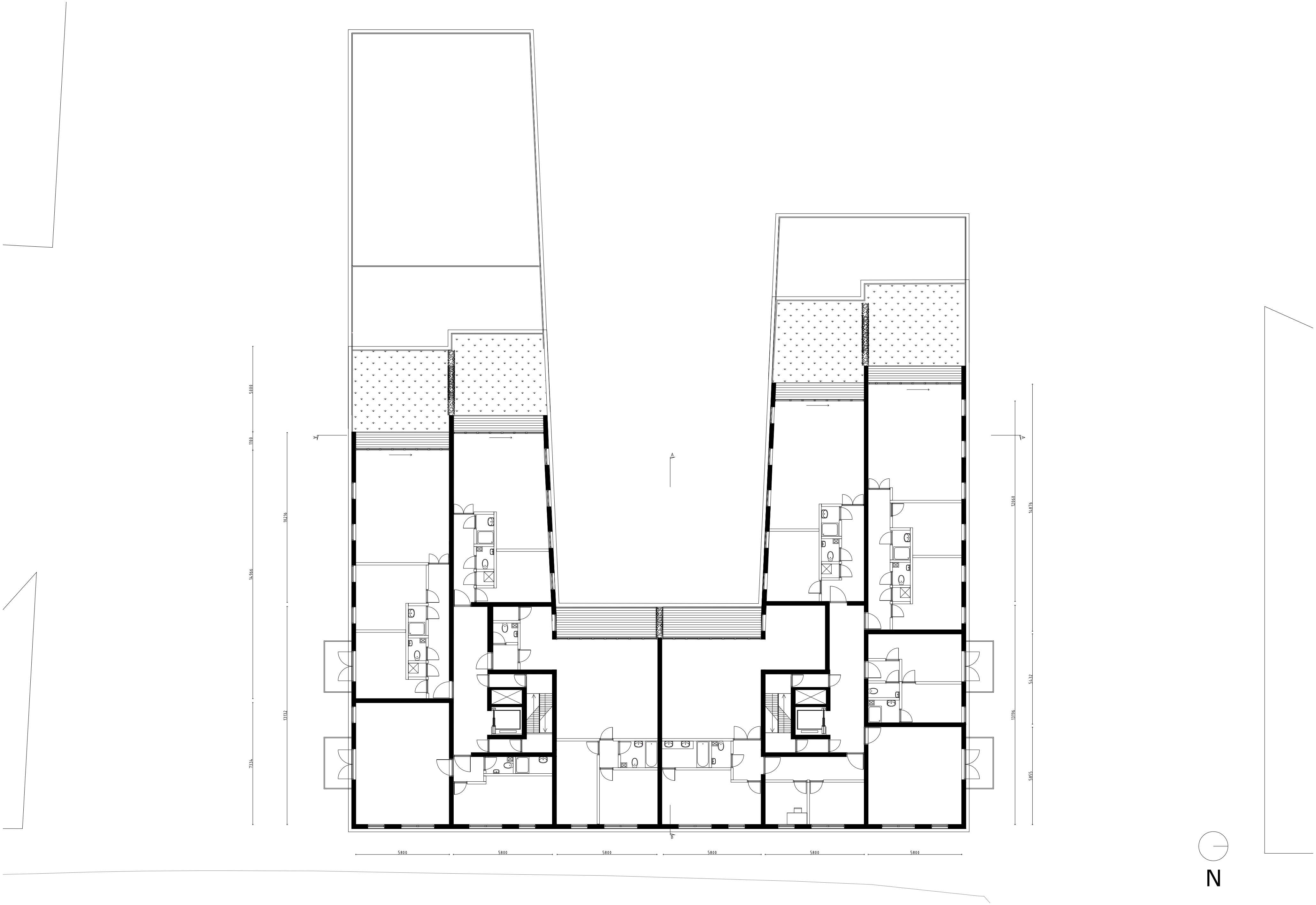
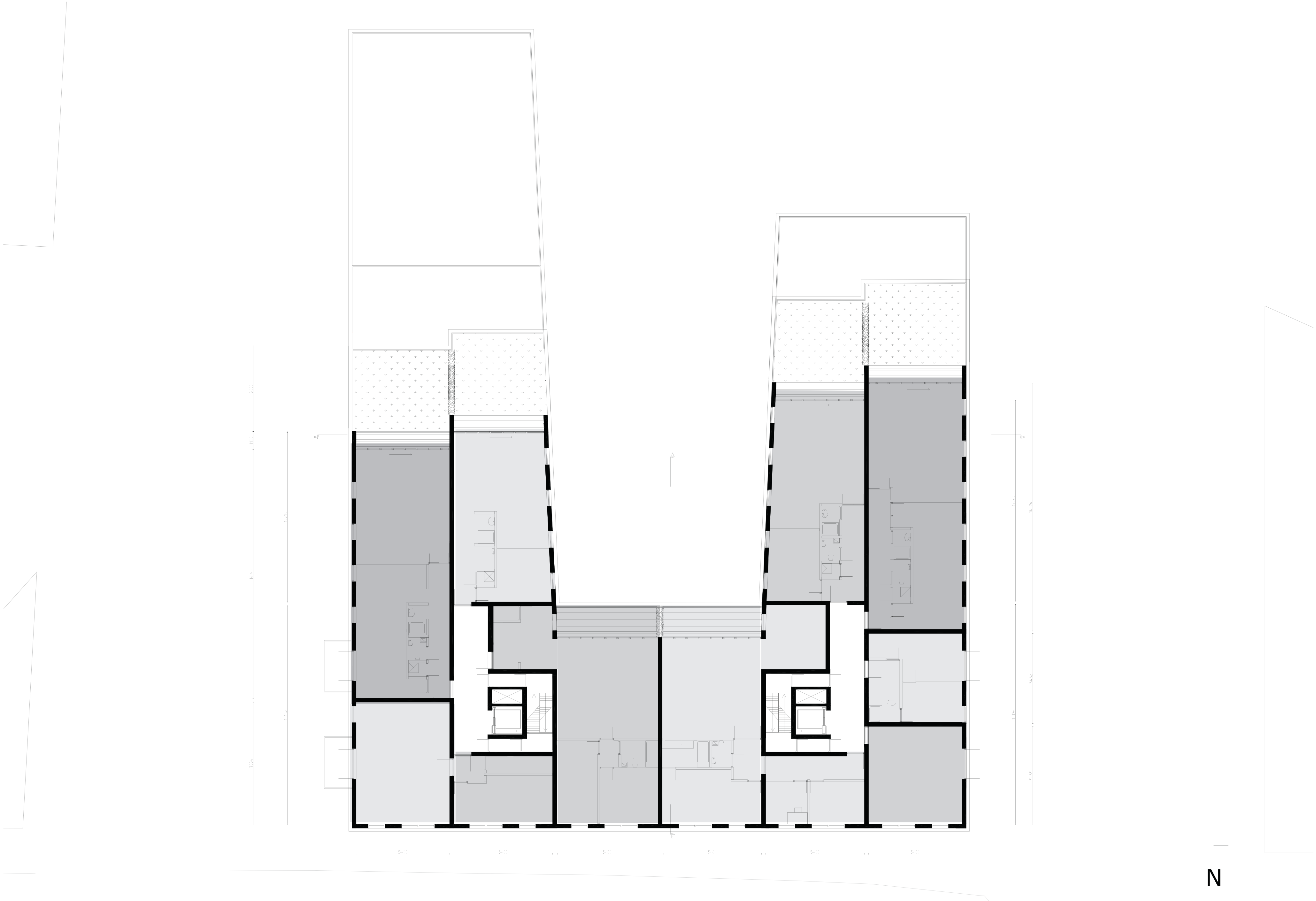
ARCHITECTURE

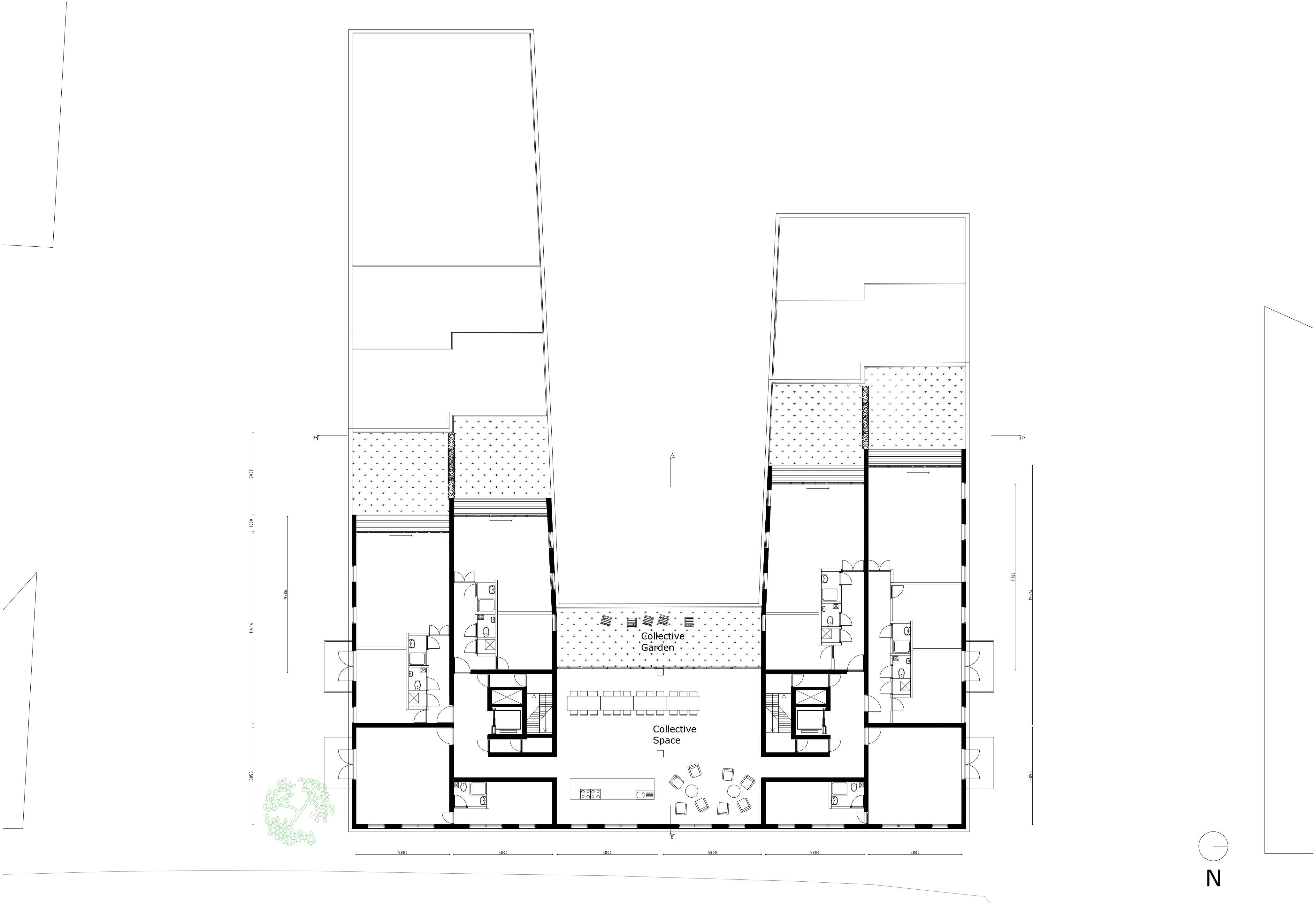


FLOORPLAN FOURTH LEVEL HOUSING 1:200

ARCHITECTURE

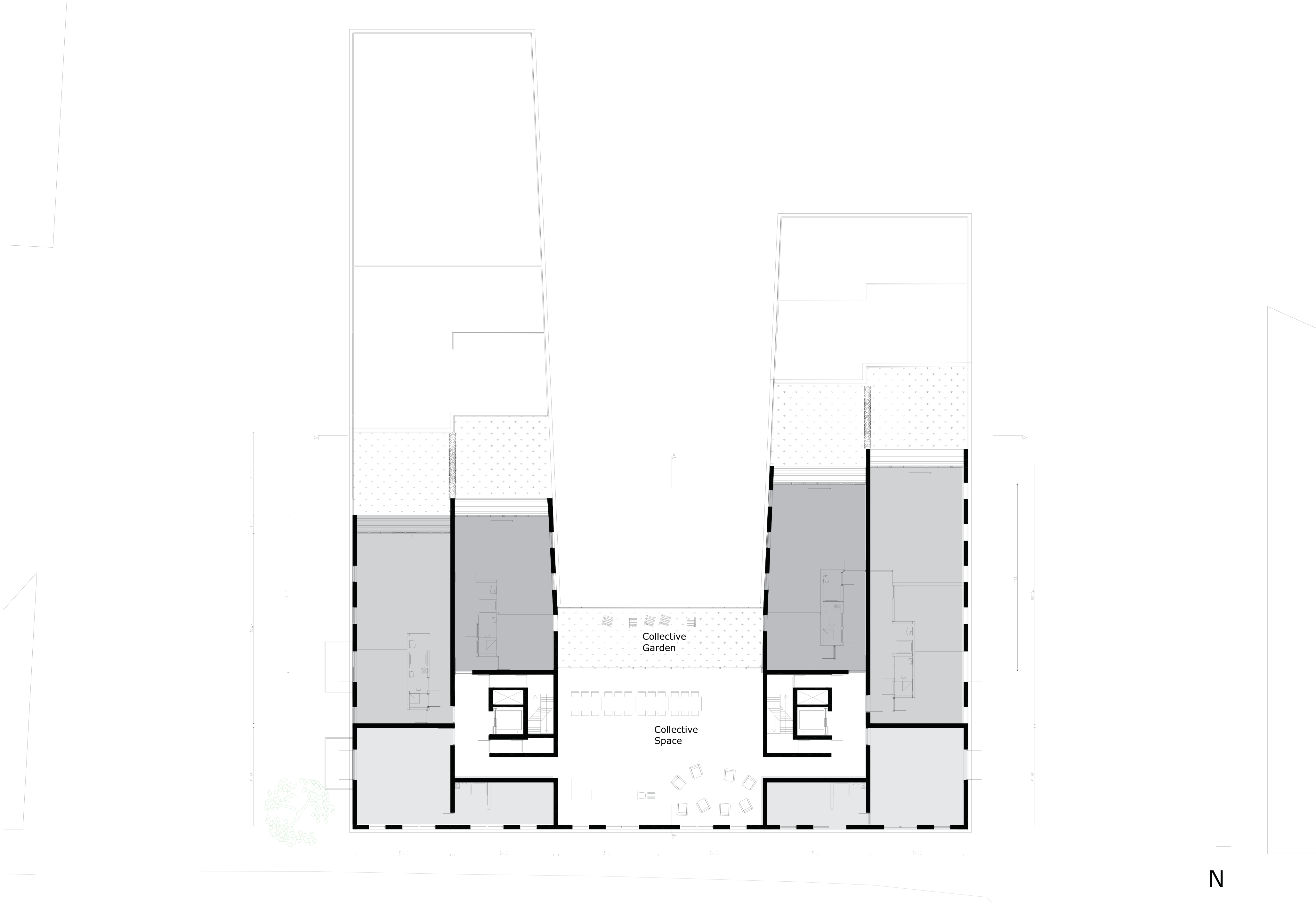


FLOORPLAN FOURTH LEVEL HOUSING 1:200



FLOORPLAN FIFTH LEVEL HOUSING 1:200

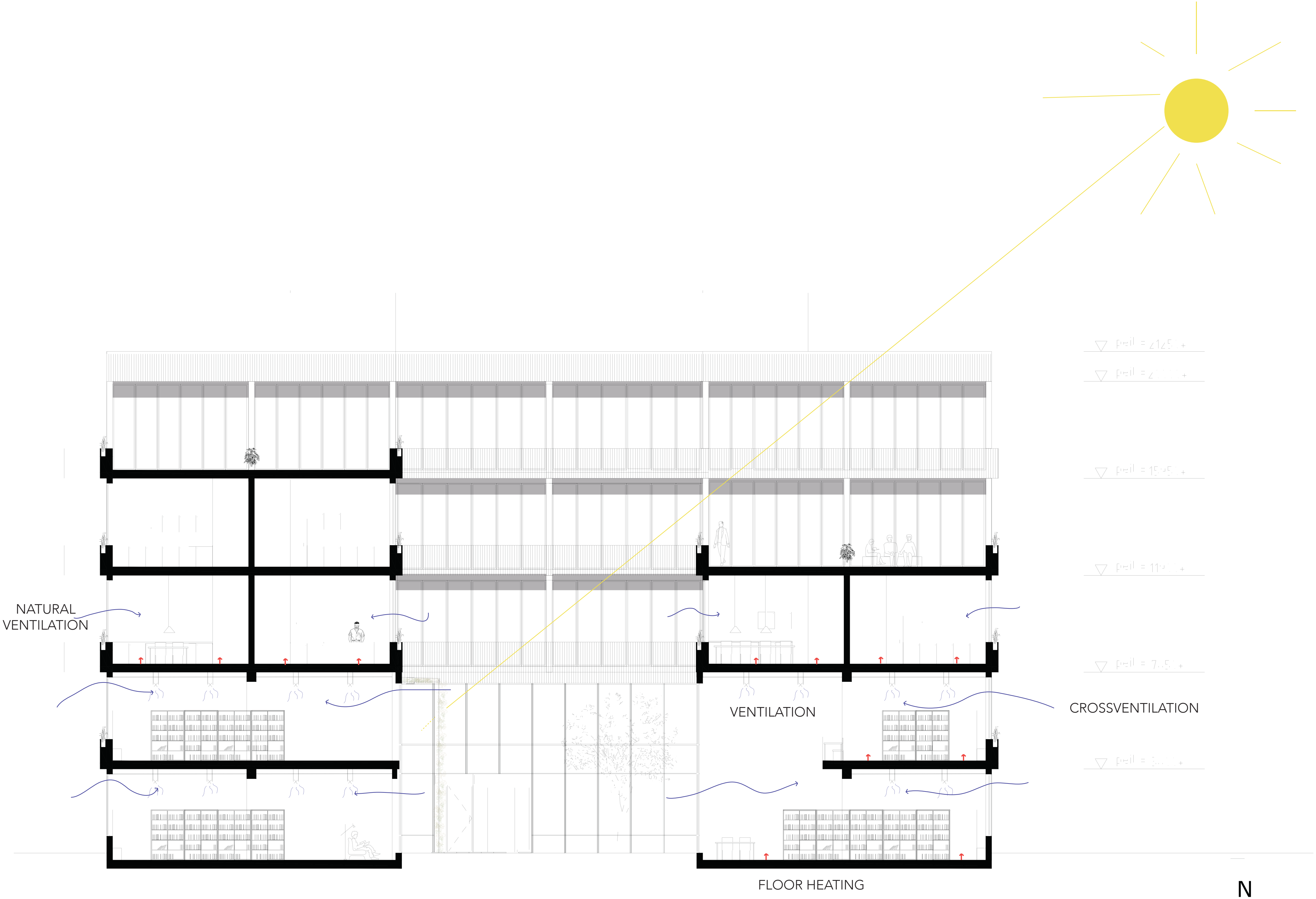
ARCHITECTURE



FLOORPLAN FIFTH LEVEL HOUSING 1:200

SECTION A-A 1:200

ARCHITECTURE



SECTION A-A 1:100 CLIMATE

SECTION B-B 1:200