

the MarketHouse

A Mat Building of Enablement in the Soviet Courtyard

ALESSIA ANGELA SANCHEZ
5865042

P5 Presentation
Methods of Analysis and Imagination
“A Matter of Scale”

Main Mentor: Jorge Mejia Hernandez
Second Mentor: Freek Speksnijder
Third Mentor: Willie Vogel

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MAT BUILDING

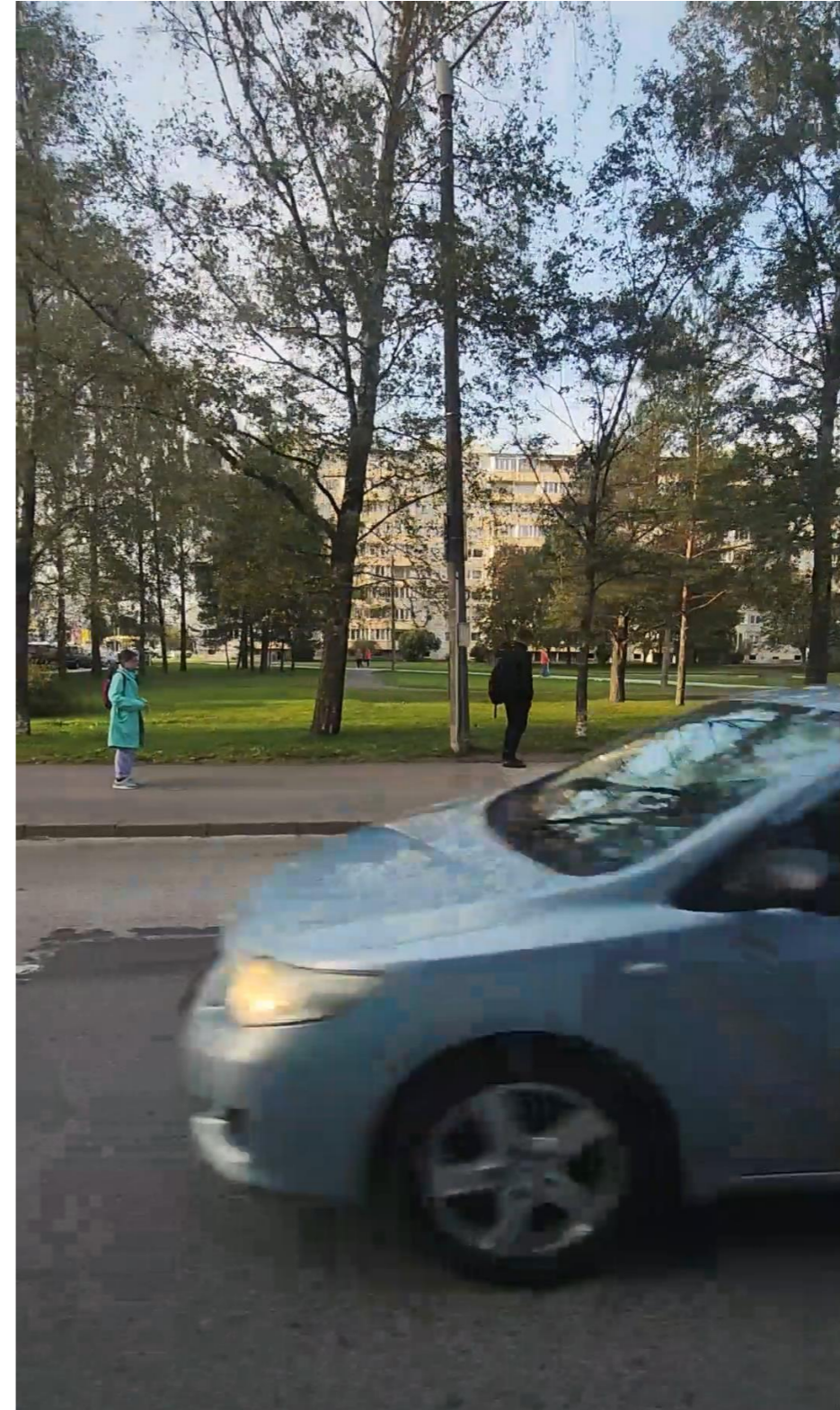
URBAN AND
ARCHITECTURAL
CONFIGURATION

DESIGN

DETAILS

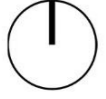
Conclusion

Problematique



LASNAMAE UNFINISHED
[own work]

LASNAMAE
UNFINISHED



project site
location

OVERLAY OF TODAY'S
AND SOVIET'S PLAN

[group work]

Problematique

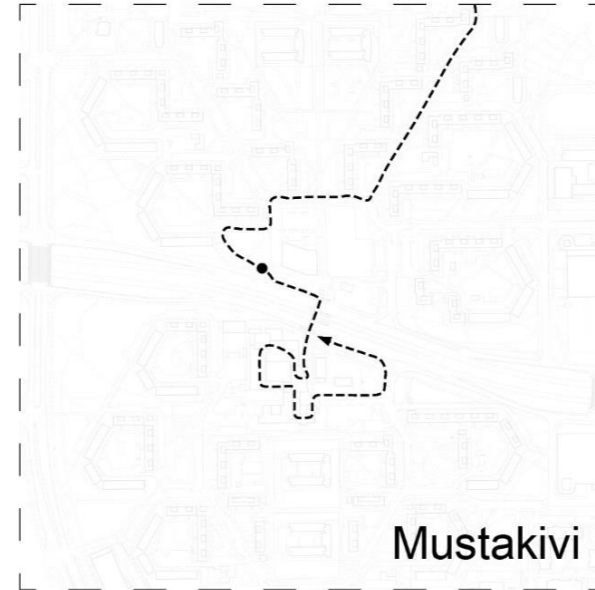
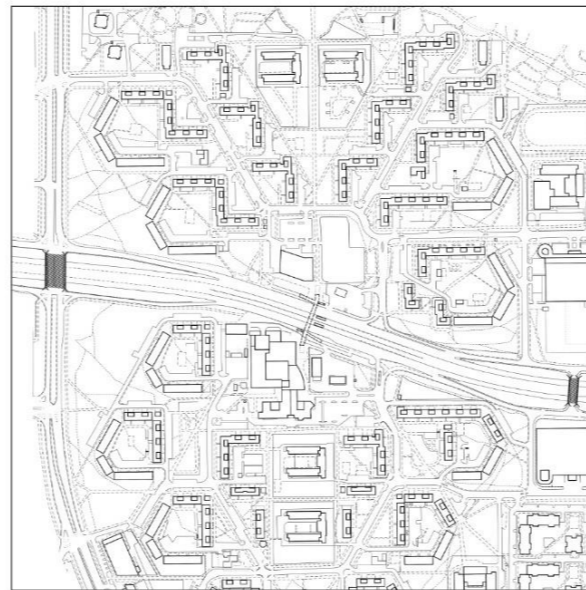
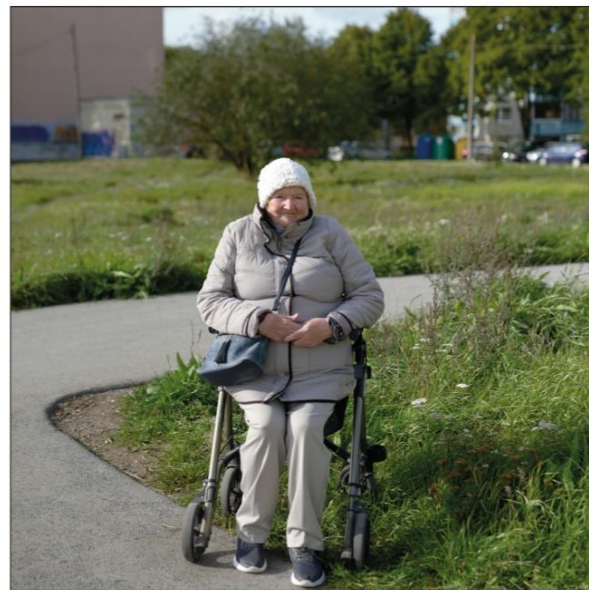
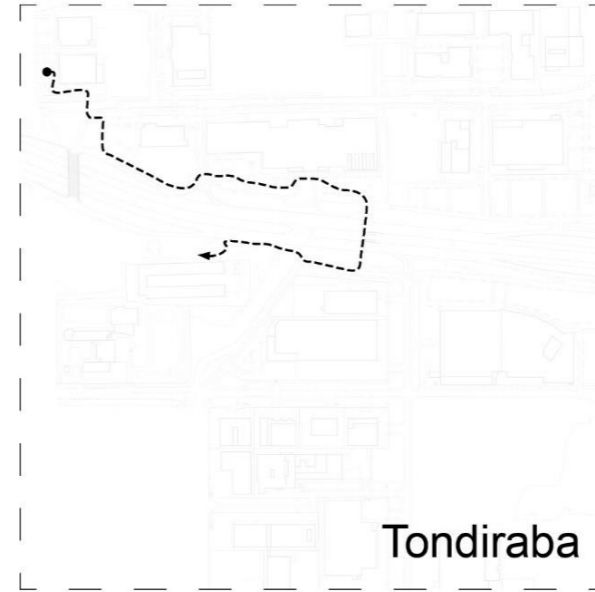
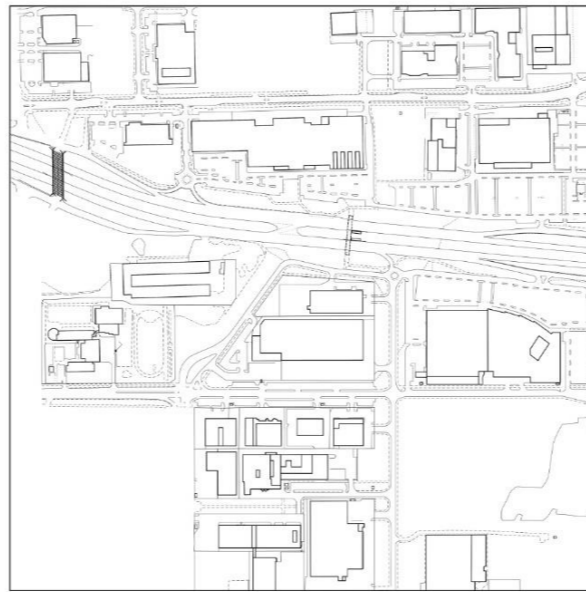
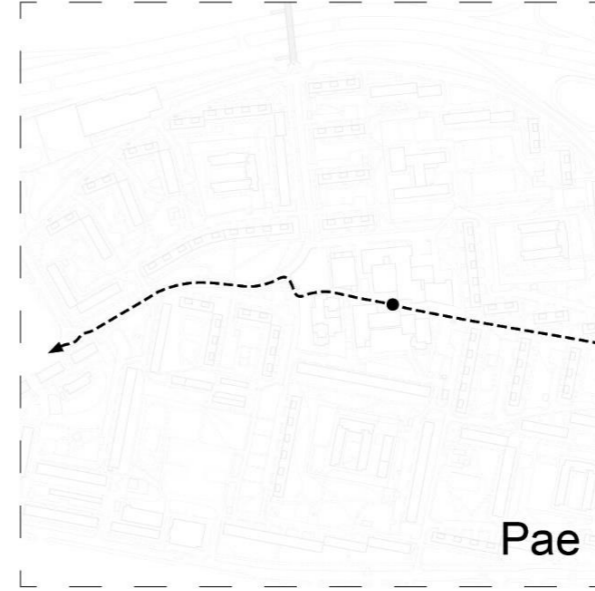
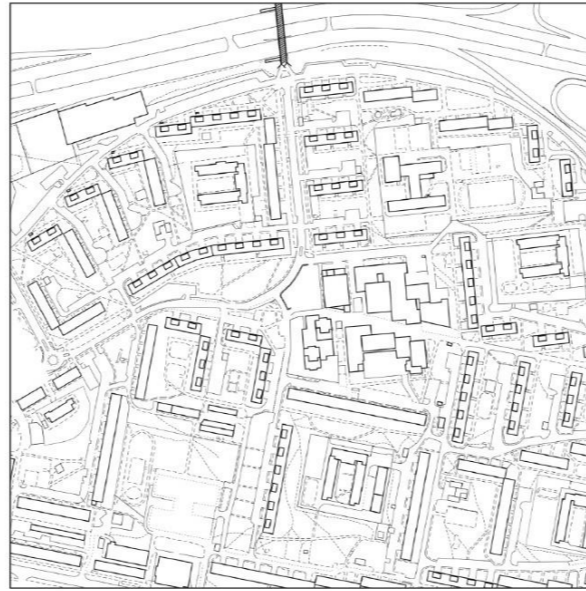
LASNAMAE
UNFINISHED



OVERLAY OF TODAY'S
AND SOVIET'S PLAN

[group work]

Problematique



TCHUMI DIAGRAMS, (Lasnamae, Tallin, Estonia)

[group work]

BASEMENT SHOP IN LASNAMAE INSUFFICIENT ARCHITECTURAL PROPOSITIONS AND HUMAN OCCUPATION



[own work]

From Top-left to Bottom-right:

- | | | | | |
|--------------------------------|-------------------------------------------------------|--------------------------------|--------------------------------------------|--------------------|
| 1. Bar | 5. Hairsalon | 11. Laundry Shop | 18. Homemade Dumplings Shop | 22. Grocery Shop |
| 2. Hairsalon and Pawnshop | 6. Hairsalon | 12. Jewelry Shop | 19. Hairsalon | 23. Sewer Shop |
| 3. Family Medicine Center | 7. Fashion Studio - Second Hand Shop - Shoemaker Shop | 13. Hairsalon | 20. Hairsalon and Computer Repair Shop | 24. Vet Clinic |
| 4. Shoeshop and Locksmith Shop | 8. Hairsalon | 14. Computer Repair Shop | 21. Esoteric world and Tarots Reading Shop | 25. Shoemaker Shop |
| | 9. Fashion Studio | 15. Grocery Shop and Hairsalon | | 26. Shoemaker Shop |
| | 10. Fashion Studio | 16. Tool Shop | | 27. Bar |
| | | 17. Grocery Shop | | |

Fascination



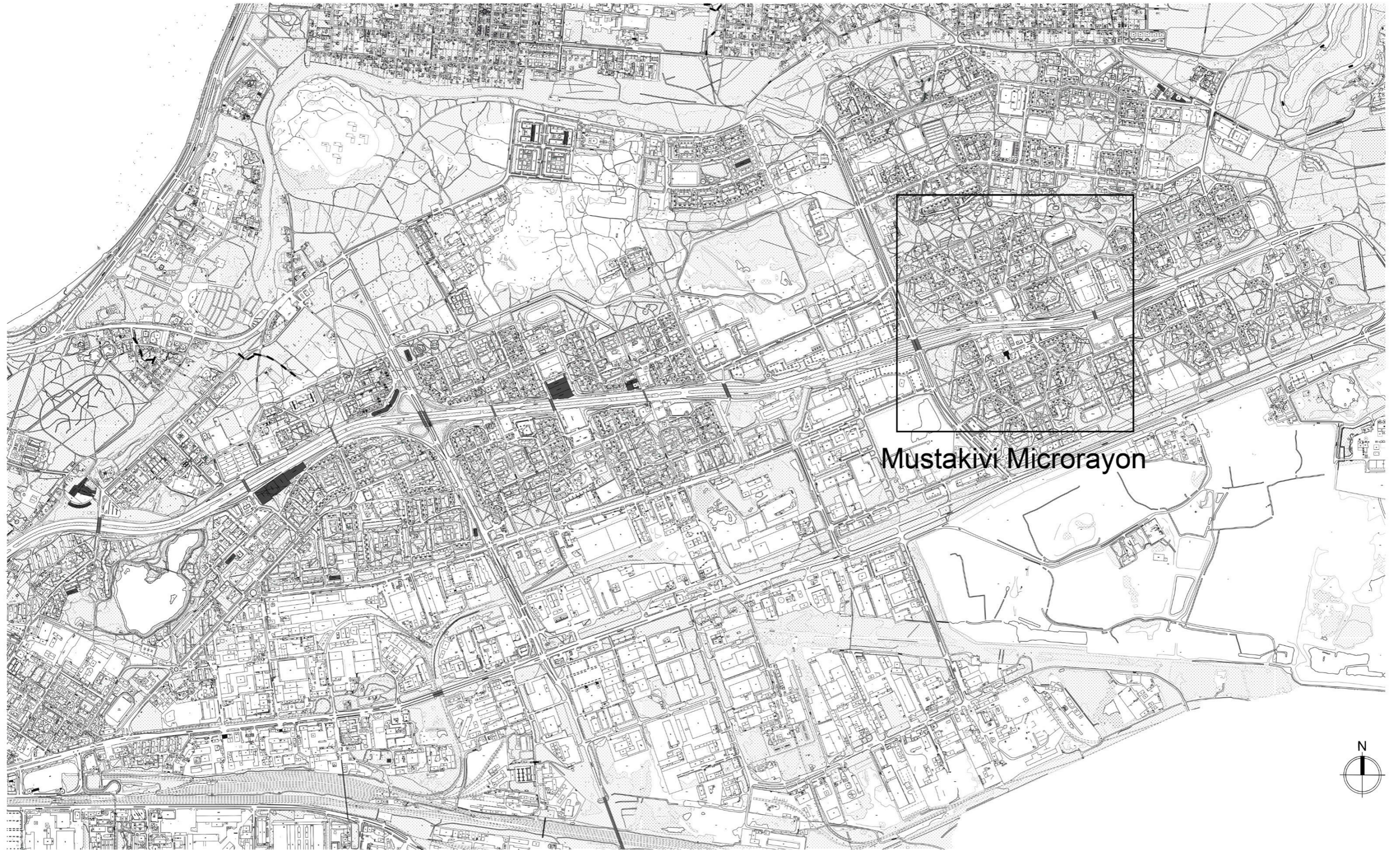
Bar



These are spaces
where the daily
life of inhabitants
challenges predetermined
architectural plans.

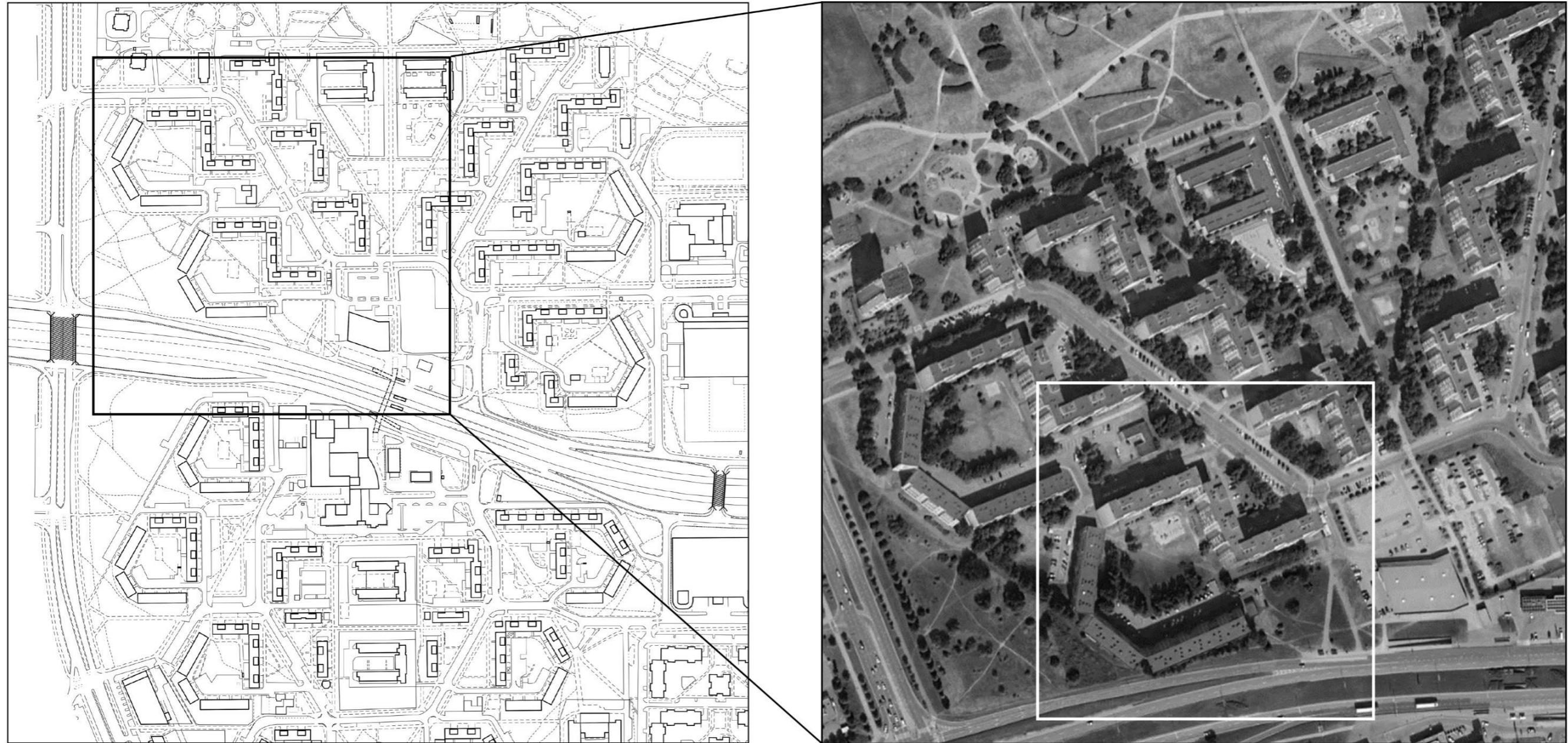
RQ:

**“How does the
integration of living,
working, and social spaces
challenge modernist
monofunctional urban
practices?”**



SITE LOCATION - Lasnae, MUSTAKIVI Microrayon

LOCATION - MUSTAKIVI COURTYARD



COURTYARDS OF MUSTAKIVI (Lasnamae, Tallin, Estonia)



UNFINISHED COURTYARDS
DOUBLE EXPOSING ANALOGUE
PHOTOGRAPHY

[group work]

◁ Play in Mustakivi ▷

Dear Arthur,

Do you remember Lasnamäe in the 90s? Sometimes, I can't believe we grew up in a place like that. We played every day in the rubble; it is surreal to think about now. We grew up on a construction site that wasn't building anything. Do you remember the crane in Mustakivi? It was always there, but never saw it move. I wanted to climb it somehow, but I wasn't brave enough. I can't remember when they took it away. The Moskva store is still there in the centre, all the roads in Mustakivi lead there.

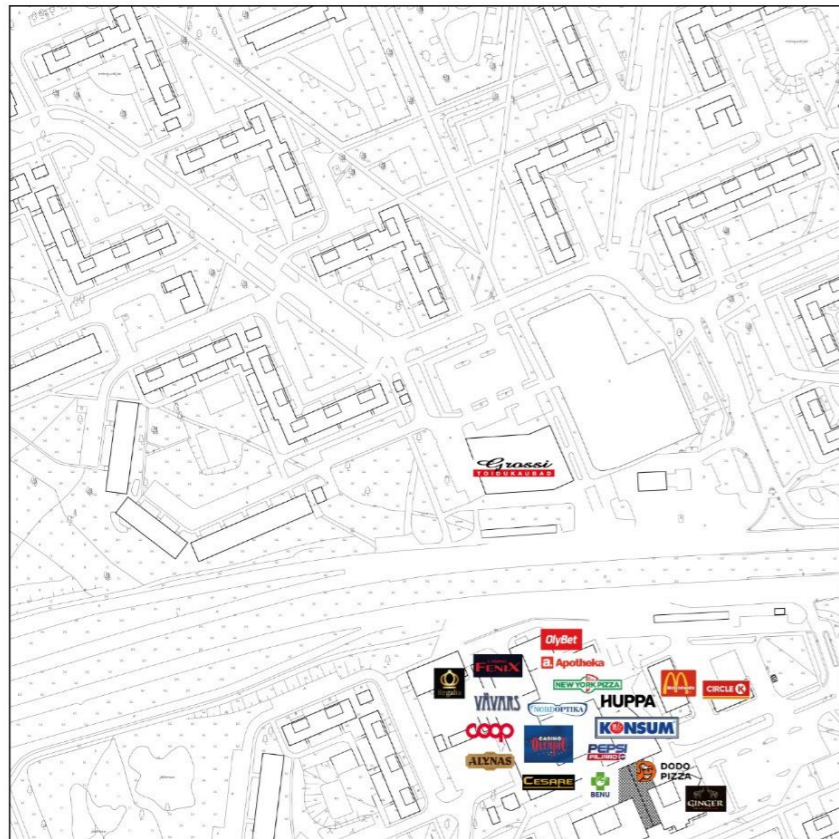
With Regards,
Erik

Overlay of Soviet blocks in Mustakivi with limestone rubble found in Kuristiku





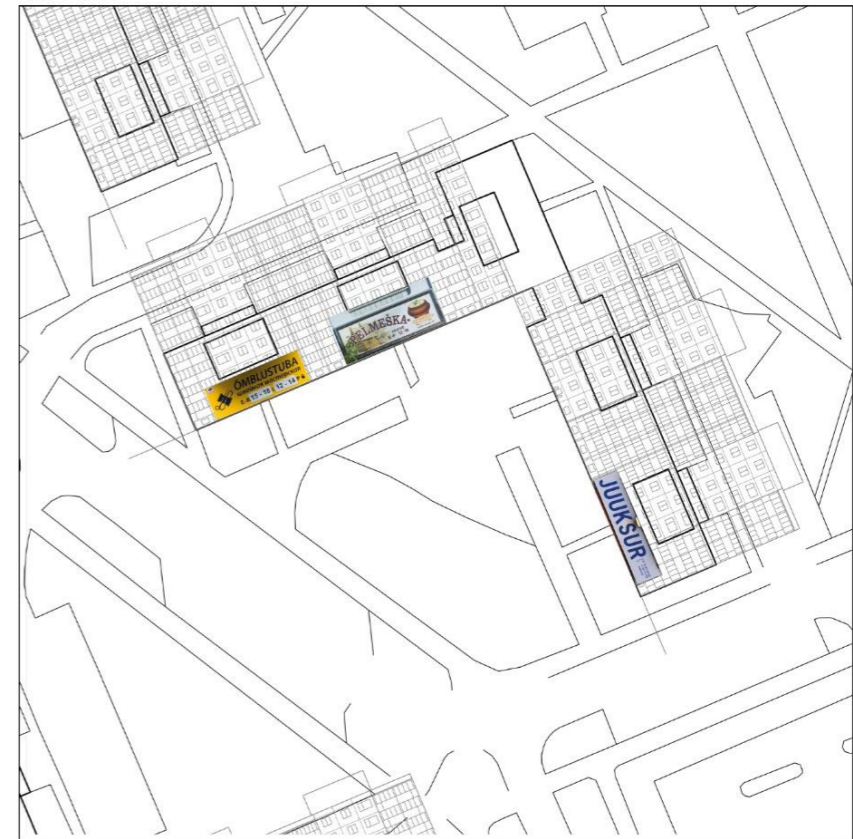
1:2000



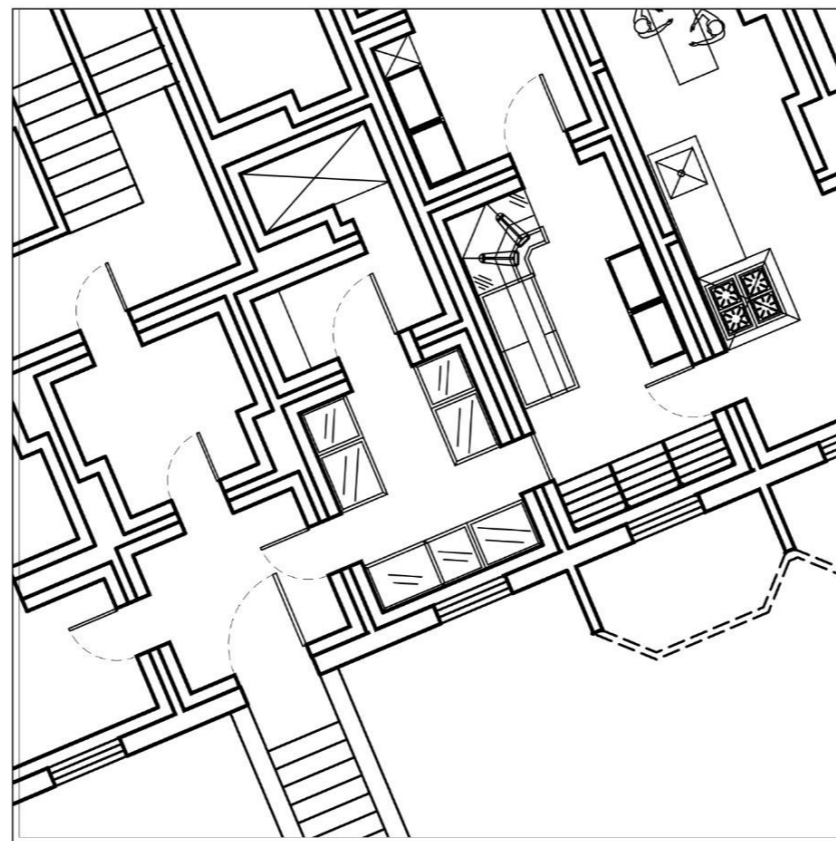
1:1000



1:500



1:200



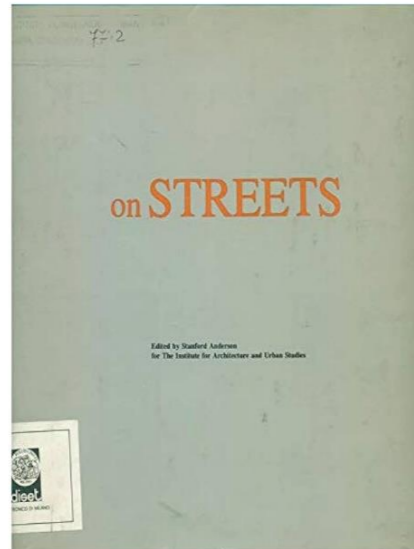
1:50



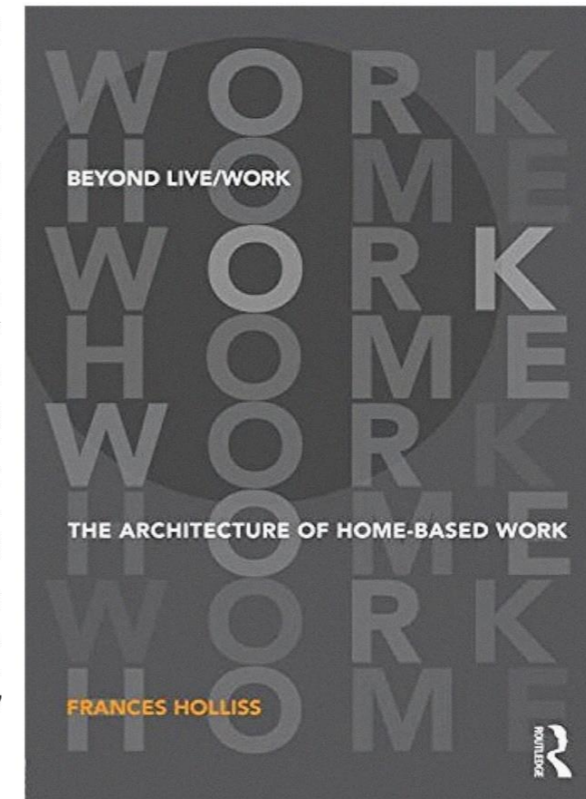
1:10



Anderson S. (1978).
On Streets. MIT
Press.



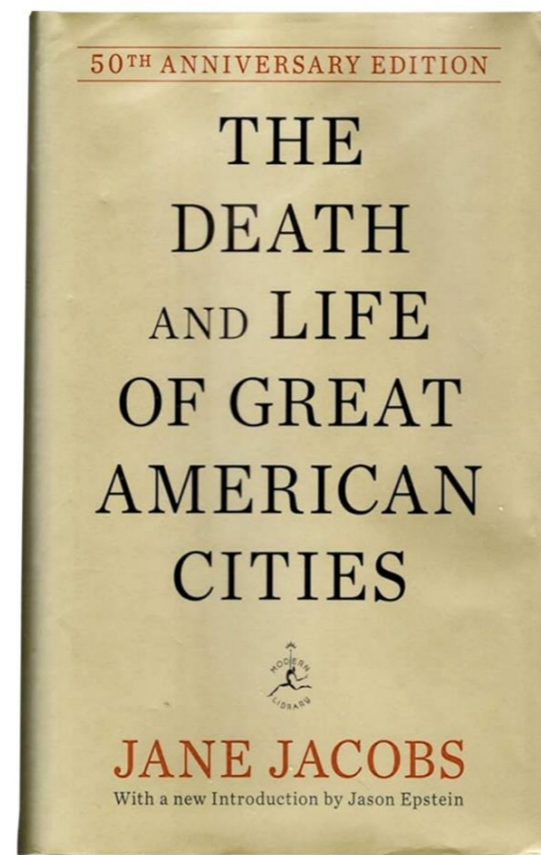
the overlapping of public and private spaces, including the integration of home and workplace, have been overlooked and not explored due to the monofunctional approach traditionally applied by Modernism. The intricate and diverse structures that once supported myriad home-based occupations, such as buildings, sheds, courts, and yards, were replaced by austere blocks of high-density "Model Housing."



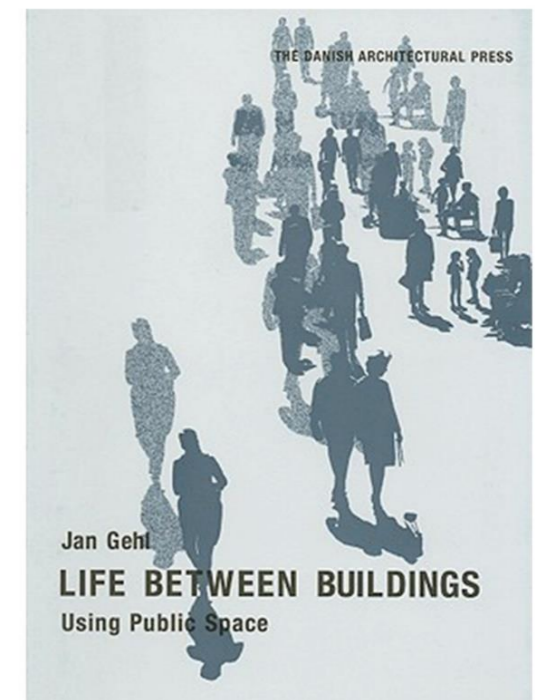
Holliss F. (2015).
Beyond Live
/ Work: The

**“you can’t
make people use
streets they
have no reason
to use.”**

Jacobs J. (1961).
The Death and
Life of Great
American Cities.
Random House,
New York.

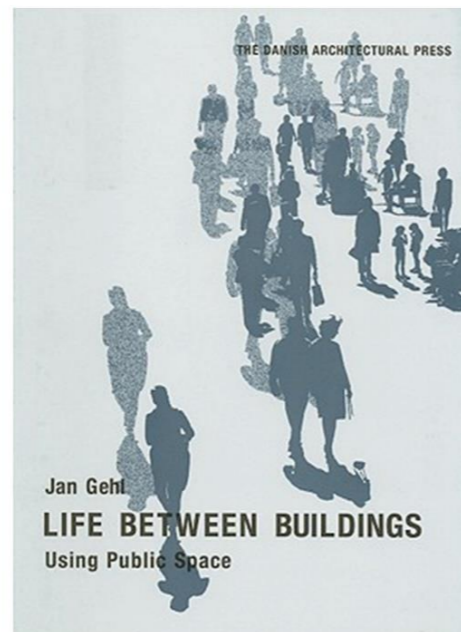


**“Nothing
happens
because
nothing
happens”** (Gehl,
2011).

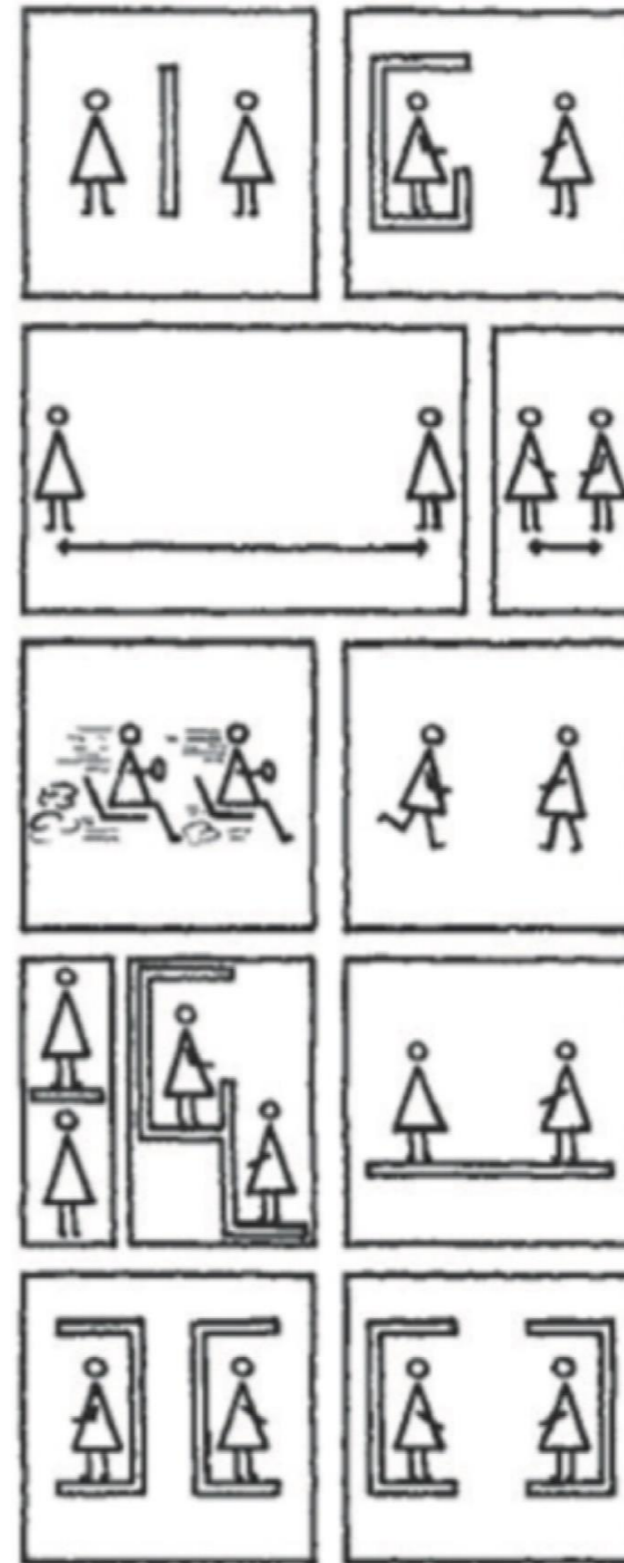


Gehl J. (2011) Life
Between Buildings.

'Collectivity among people is accommodated by the stimulation of social interaction. Gehl states that architects have at least five types of spatial arrangement which can promote or prevent visual and auditory contact (Gehl, 2011)'



Gehl J. (2011) Life Between Buildings. Using Public Space



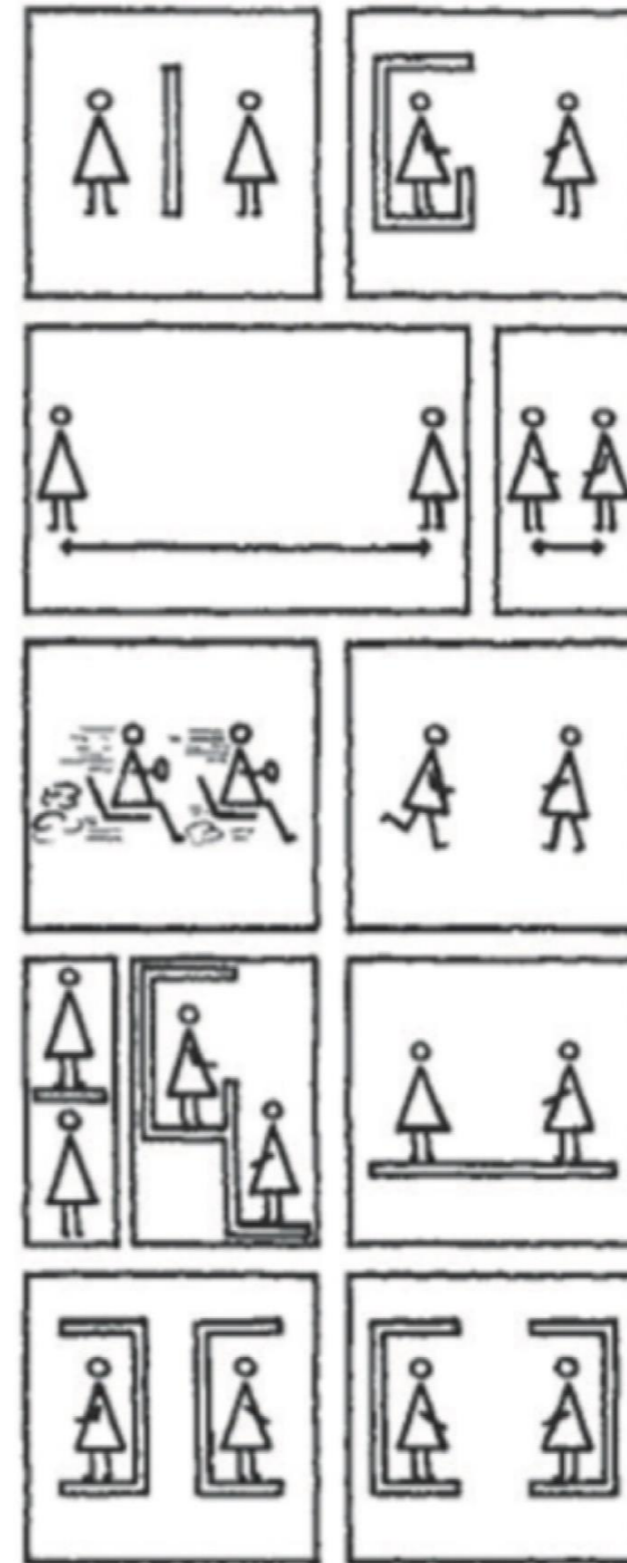
1. the degree of vertical and horizontal **openings**

2. the **dimensions** of the in-between space

3. the **speed of travel** that the in-between space accommodates

4. the differences in the **height** of levels and

5. the way the **orientation** of the in-between spaces stimulates social contact.



1. the degree of vertical and horizontal **openings**

2. the **dimensions** of the in-between space

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4. the differences in the **height** of levels and

5. the way the **orientation** of the in-between spaces stimulates social contact.

DIGNITY

it is partly achieved
through the ability to
contribute to others.

it arises from our ability
to provide for ourselves.

DESIGN STATEMENT

PROBLEMATIQUE

Noticeable absence of purposefully designed spaces and infrastructures beyond mere residential buildings.



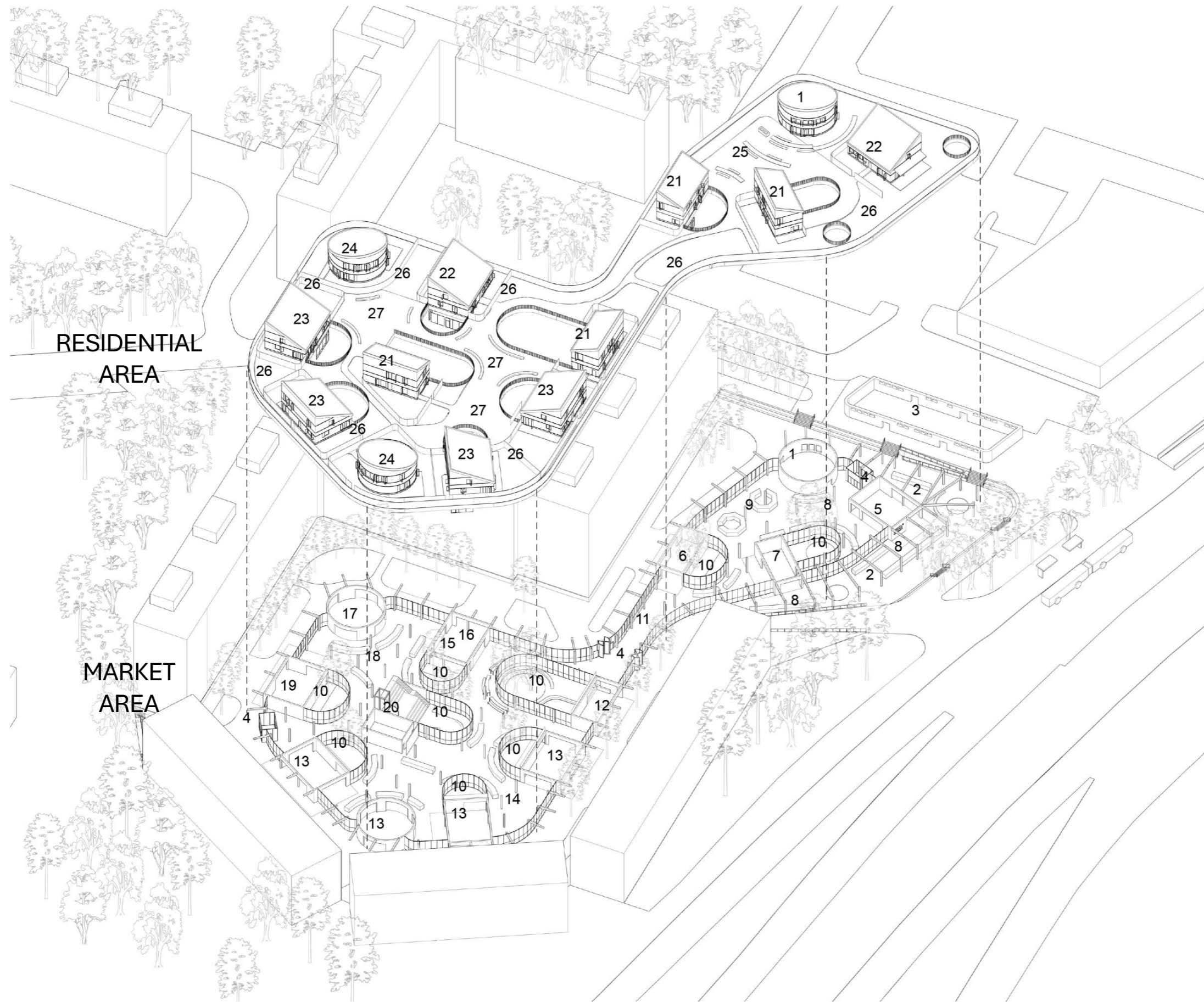
RQ

“How does the integration of living, working, and social spaces challenge modernist monofunctional urban practices?”



DESIGN PROPOSAL

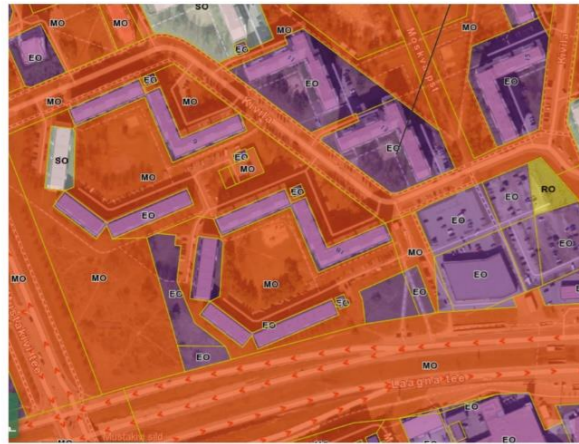
Hybrid Building that make both housing and market functions coexist through a spatial configuration of work-live units.





PROGRAMME

1. Residents' Entrance
2. Covered Sunken Plaza
3. Deposit, Garbage and Building Management
4. Entrance Market Building
5. Fishmonger
6. Bakey
7. Butcher
8. Veggie&Fruit Stalls
9. Dairy Products Stalls
10. Courtyard
11. Lounge Area
12. Cafe
13. Art (&Crafts) Studio
14. Art Workoshop
15. Restaurant
16. Cooking Lab
17. Antique Shop
18. Vintage Stalls
19. Clothes Boutique
20. Openair Anphitheatre
21. House Typology A
22. House Typology B
23. House Typology B1
24. House Typology C
25. Urban Dining Area
26. Gardens
27. Slab Plaza

POLICY FRAMEWORK



-  Municipal Property
-  Private Property

MUNICIPAL
PROPERTY

The Government
would invest in
spatial social
Transformation
to attract private
Developers

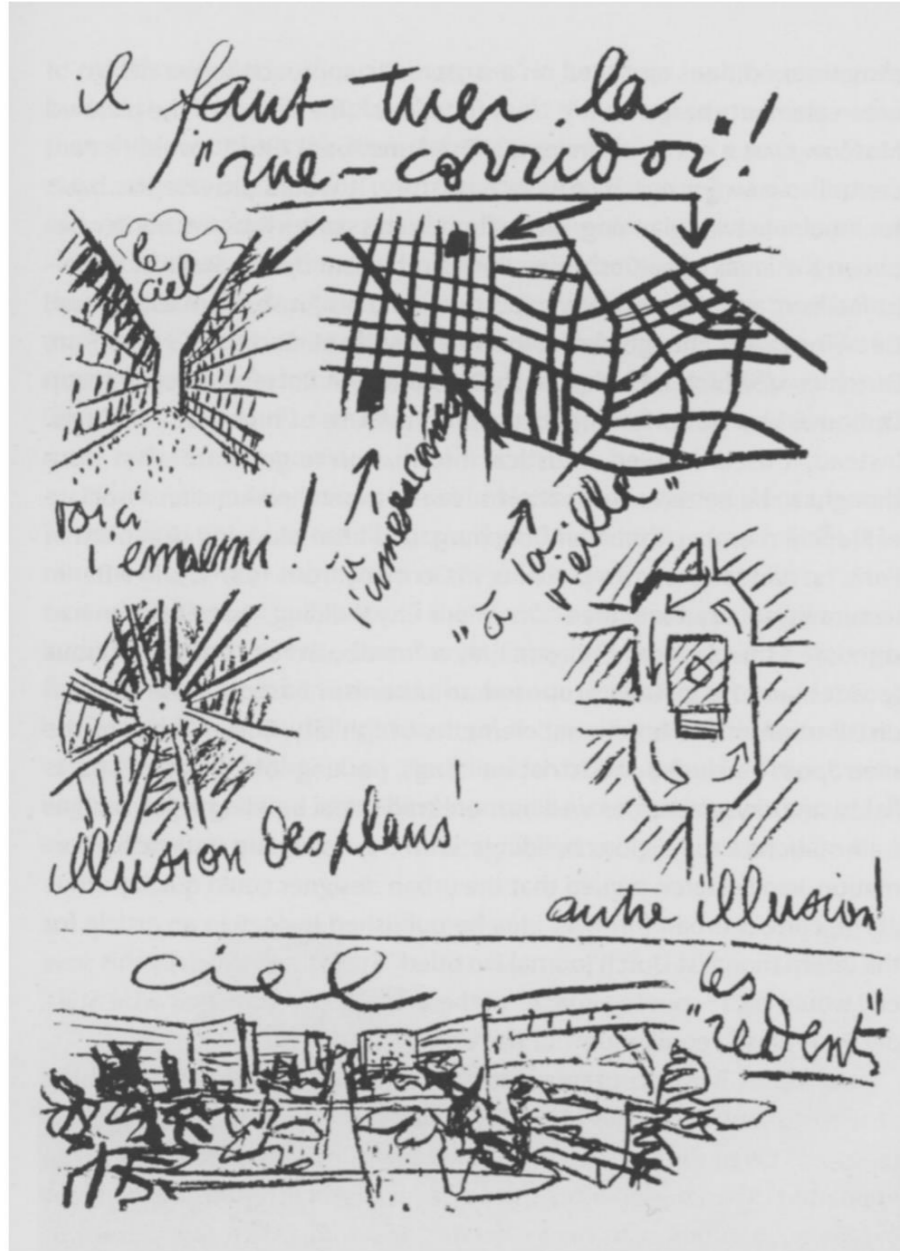
Lease Government-
owned land to private
developers

Unemployment
issue in
Lasnamae

Mechanism for employment
creation within the "Dormitory"
district of Lasnamae

Private developers are
the self-employed
Individuals that own
Entrepreneurial
Activities

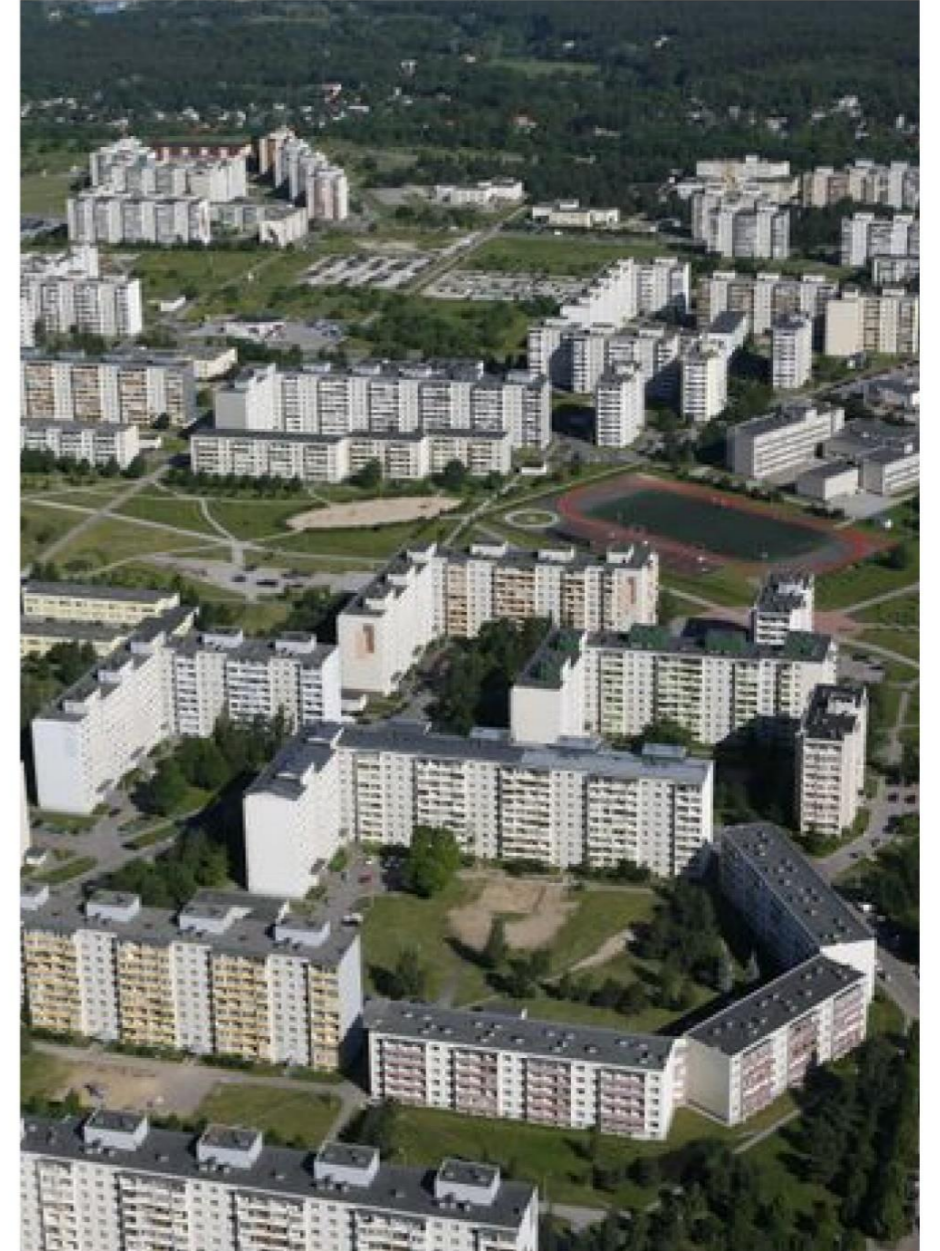




"IL FAUT TUE LE RUE-CORRIDOR!"
(KILL THE CORRIDOR STREET),
Le Corbusier



PLAN VOISIN
Le Corbusier (Paris, France)



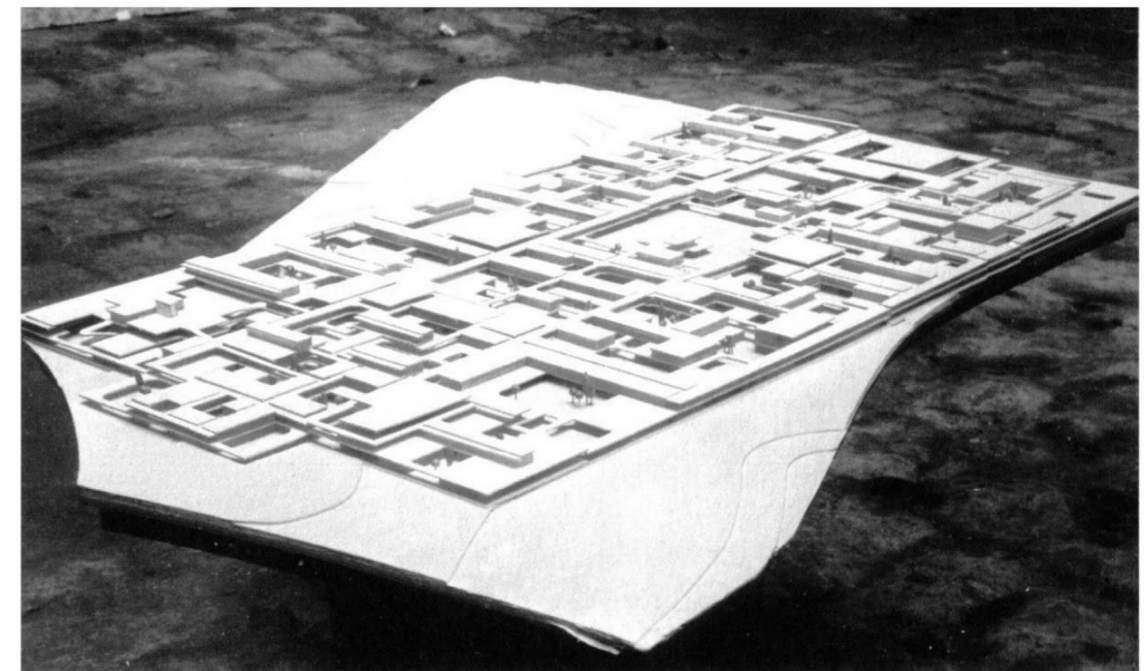
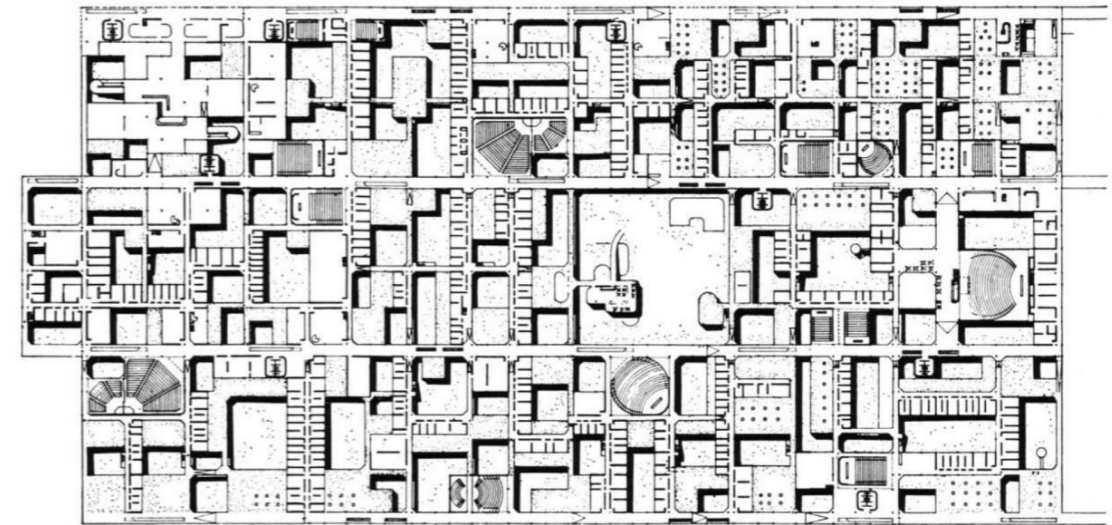
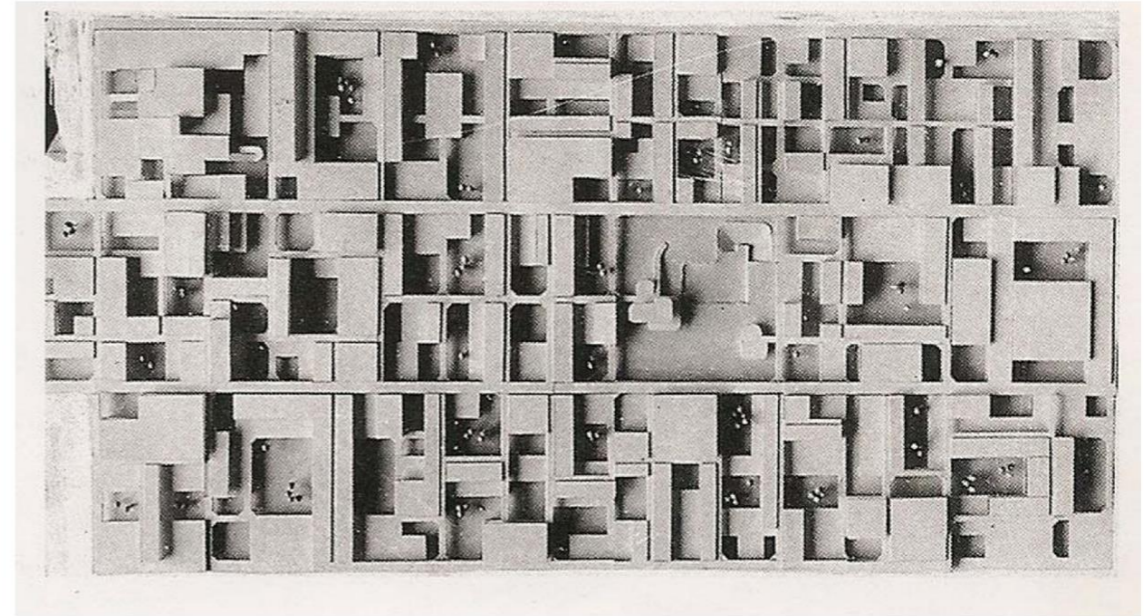
MUSTAKIVI MICRORAYON
(Lasnamae, Tallin, Estonia)

MAT BUILDING

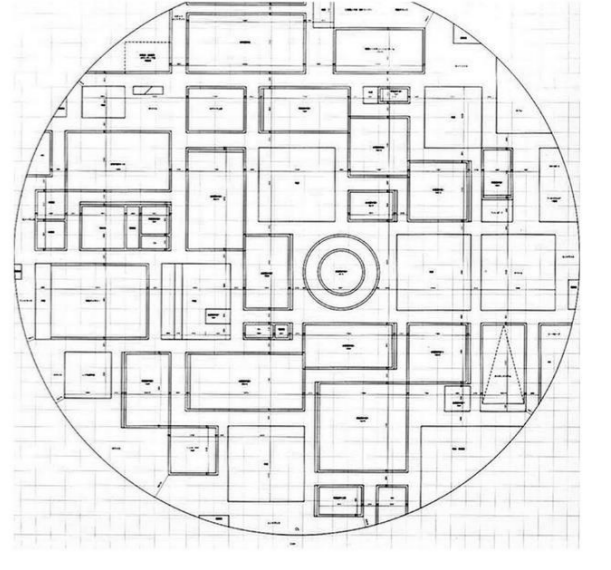
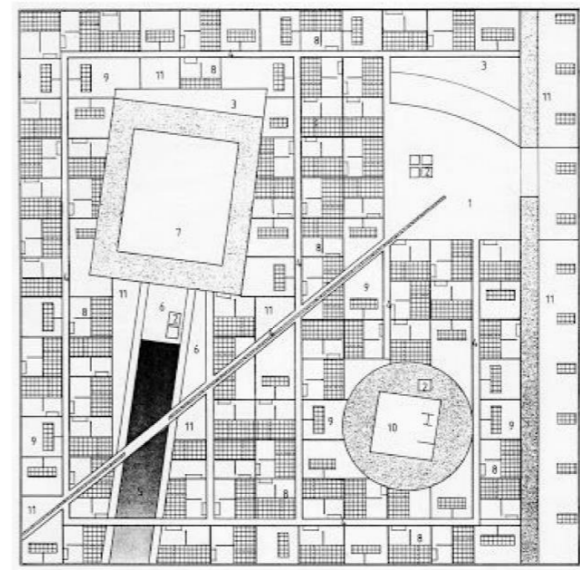
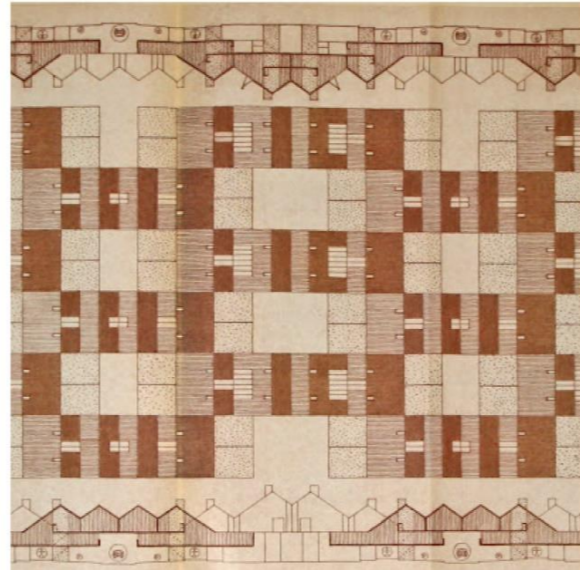
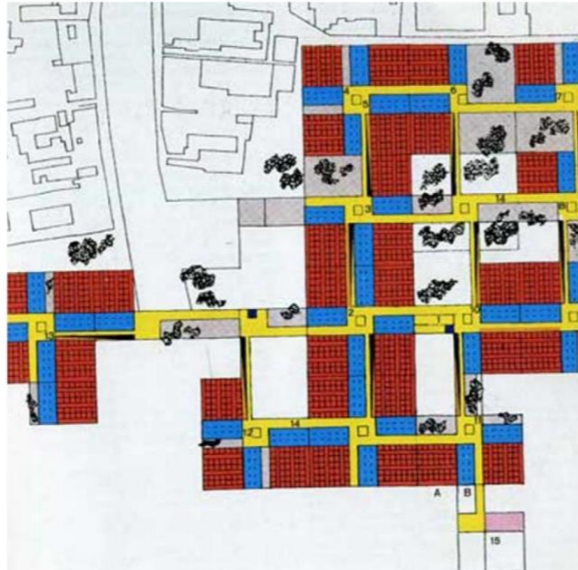
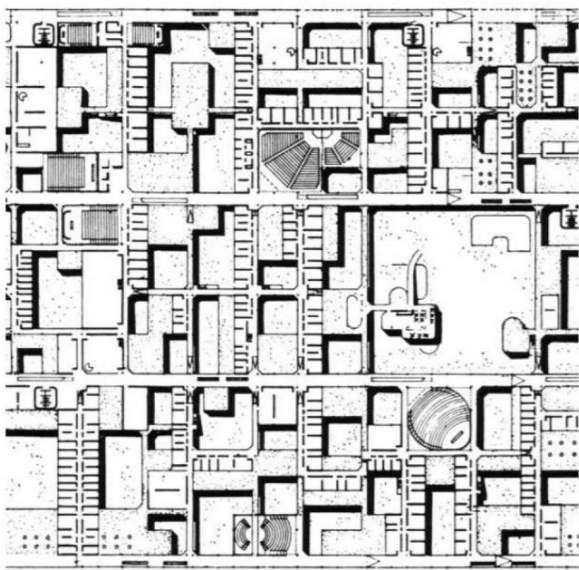
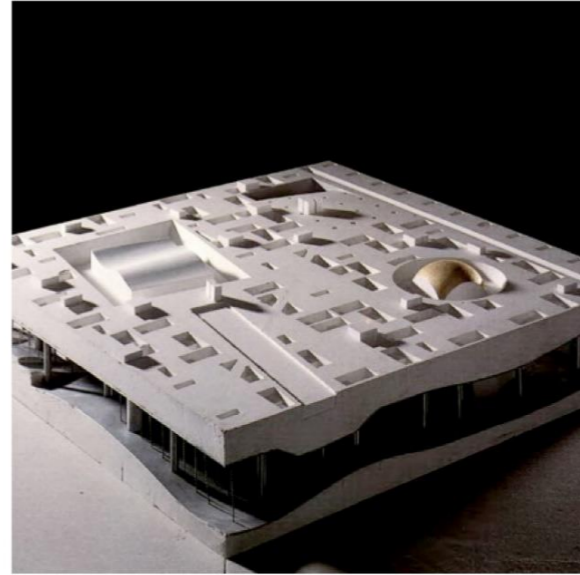
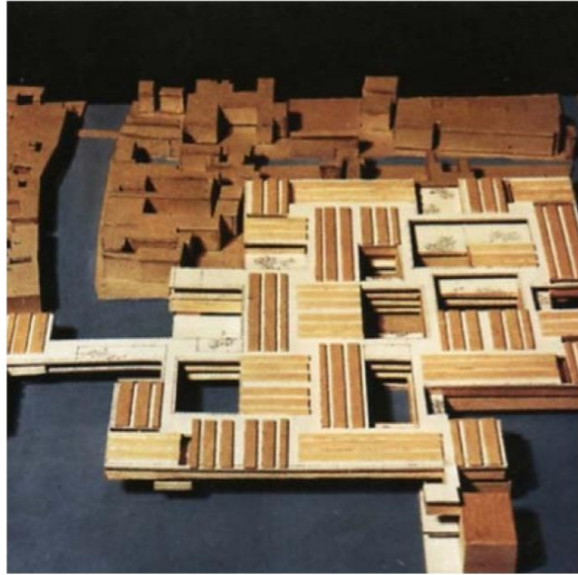
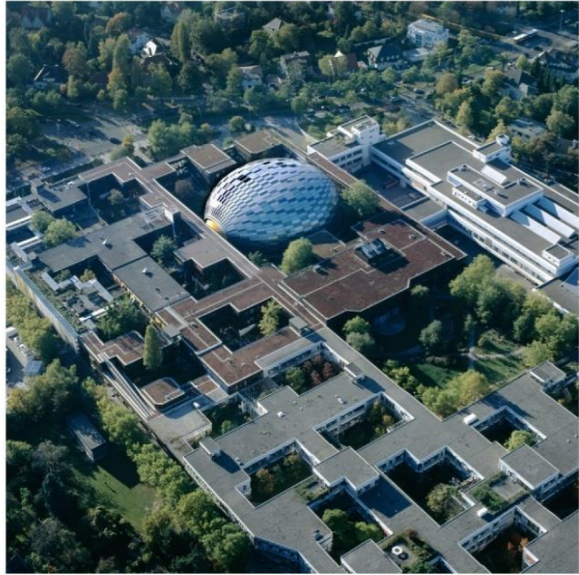
“that type capable of personalizing the anonymous collective, where the functions come to enrich the constructed, and the individual acquires new freedoms of action thanks to a new and changing order, based on interconnection, in the dense patterns of association.”

Smithson A. (1974).
How to recognise and
read mat-building.
Architectural Design.

THE FREE UNIVERSITY
OF BERLIN
Candilis - Josic - Woods And
Schiedhelm, 1963 (Berlin, Germany)



MAT BUILDING STUDY



1963

1965

1973

1990

2004

THE FREE UNIVERSITY OF
BERLIN

Candilis - Josic - Woods And
Schiedhelm (Berlin, Germany)

VENICE HOSPITAL
Le Corbusier (Venice, Italy)

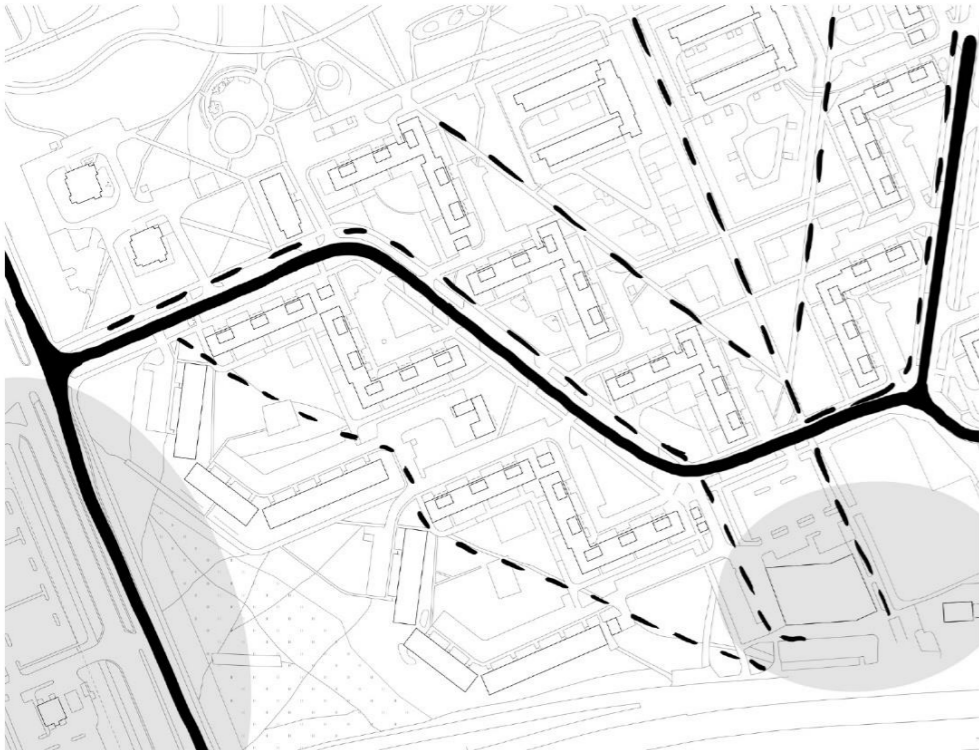
KASBAH
Piet Blom (Hengelo,
Netherlands)

CONVENTION CENTER
OMA (Agadir, Morocco)

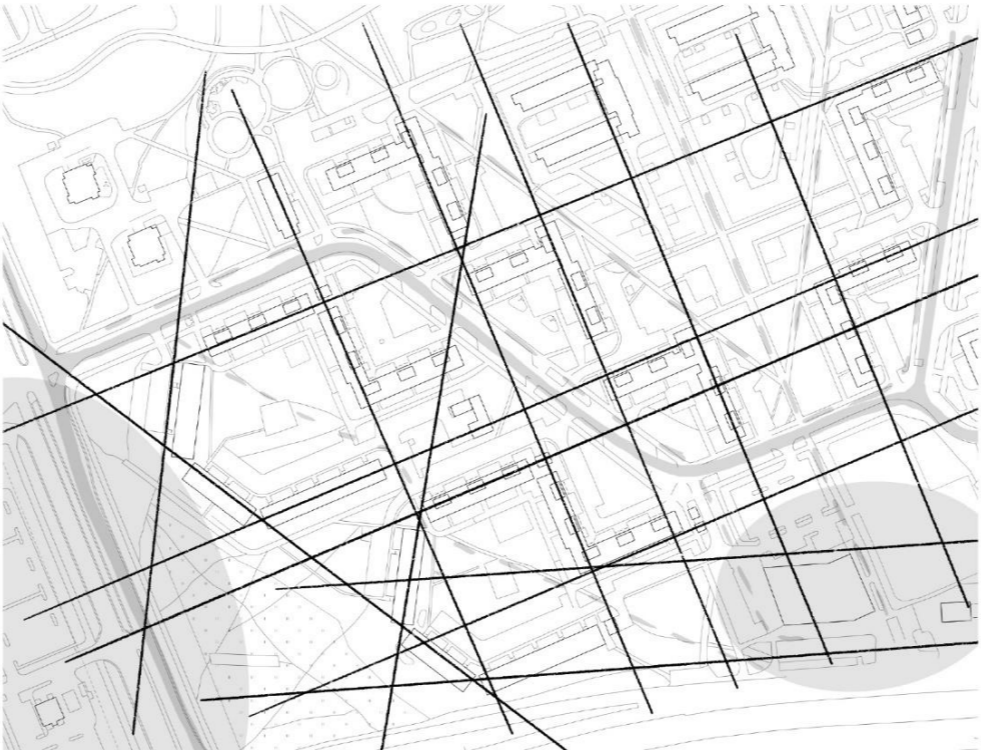
21ST CENTURY MUSEUM
SANAA (Kanazawa, Japan)



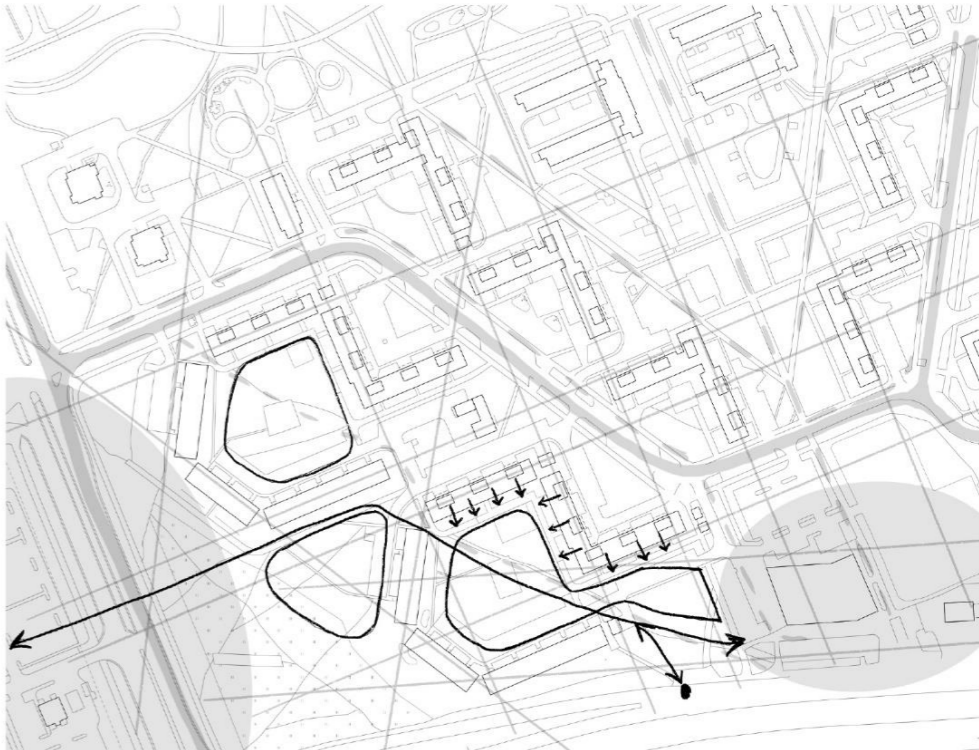
URBAN CONFIGURATION PROCESS



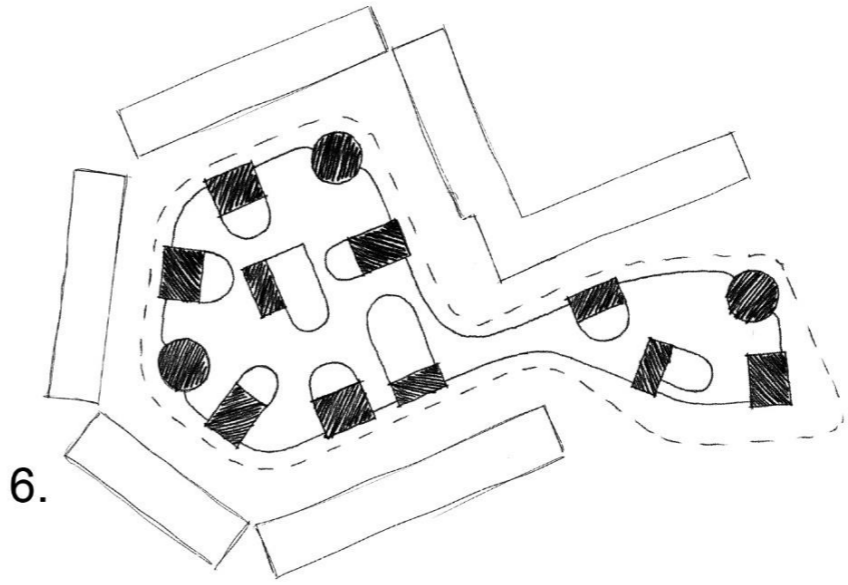
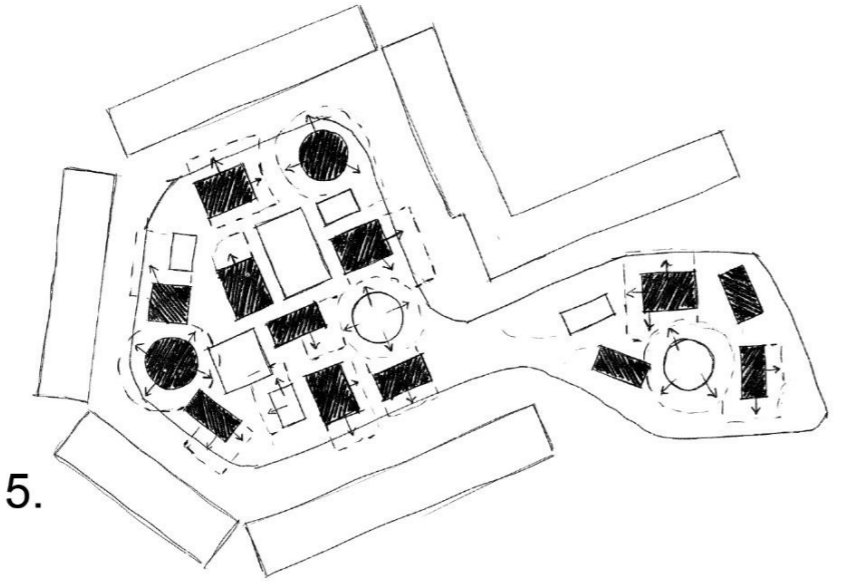
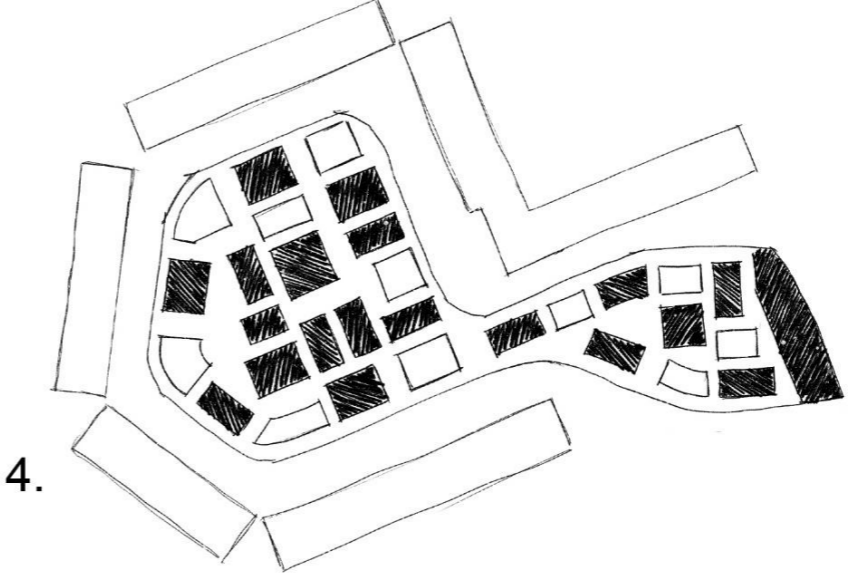
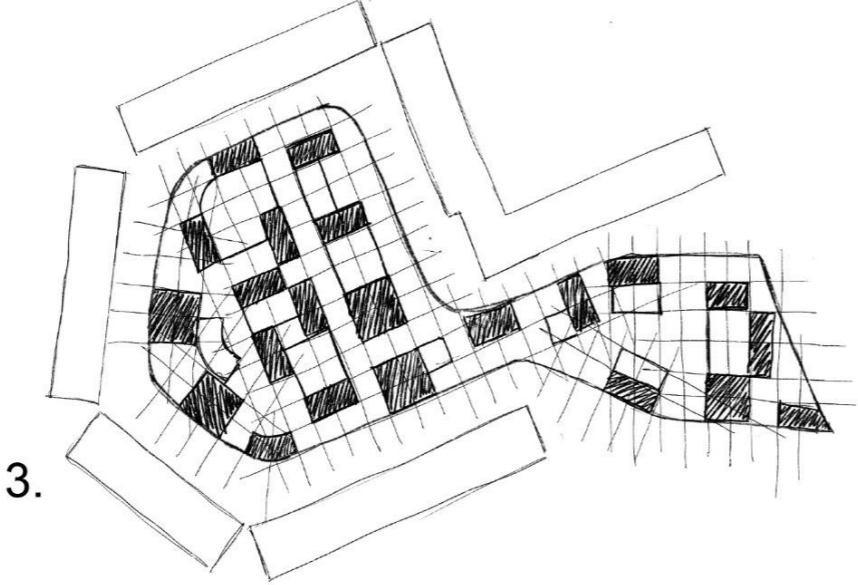
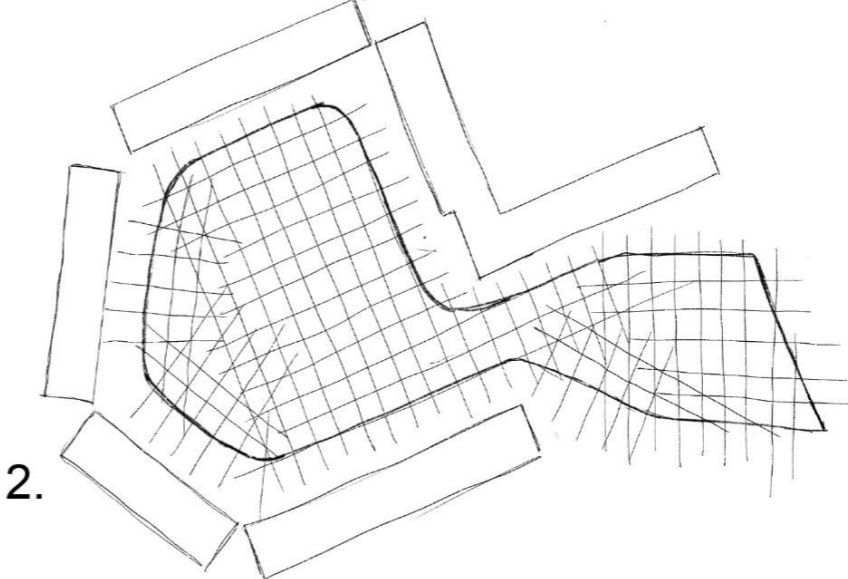
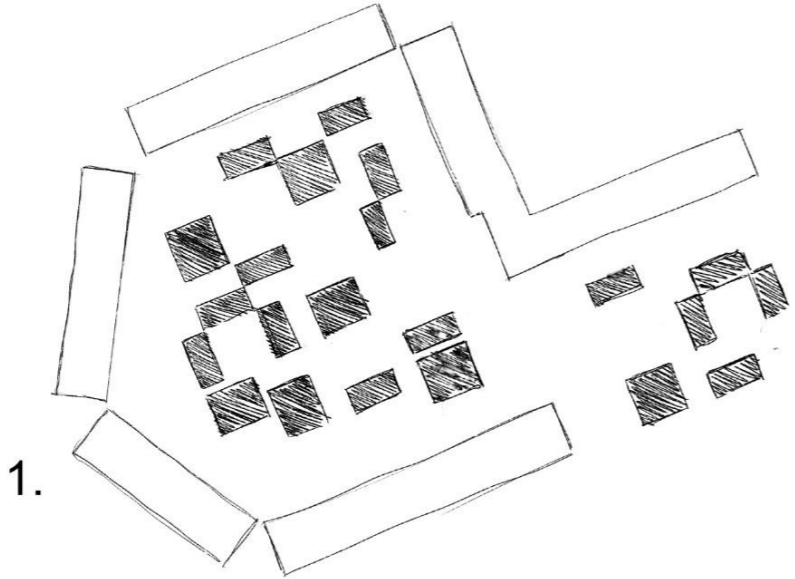
Main roads and Paths and Point of Interest



Spatial Matrix

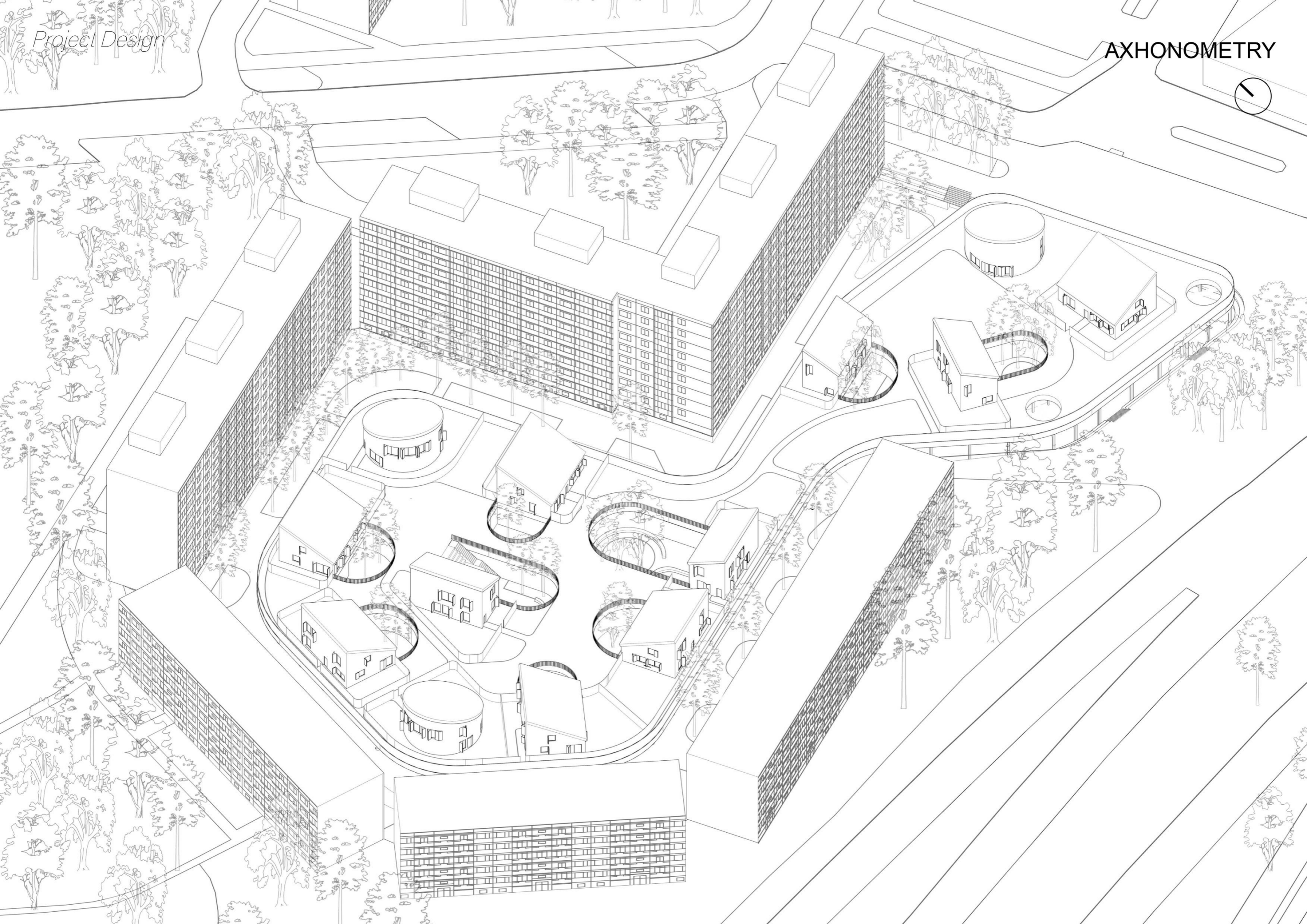


Design Proposal











Project Design

GROUND FLOOR PLAN

Scale 1:200



SECTION AA'

Scale 1:200





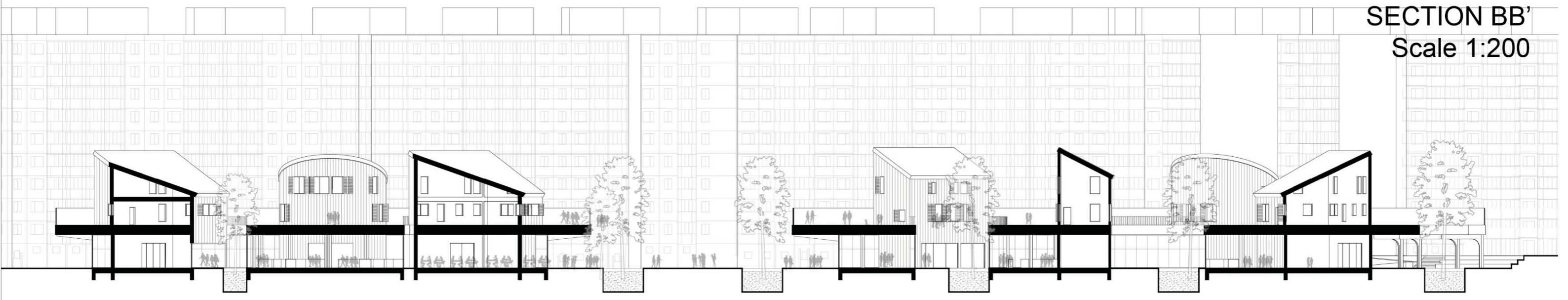
Project Design

B

GROUND 1st PLAN
Scale 1:200



SECTION BB'
Scale 1:200





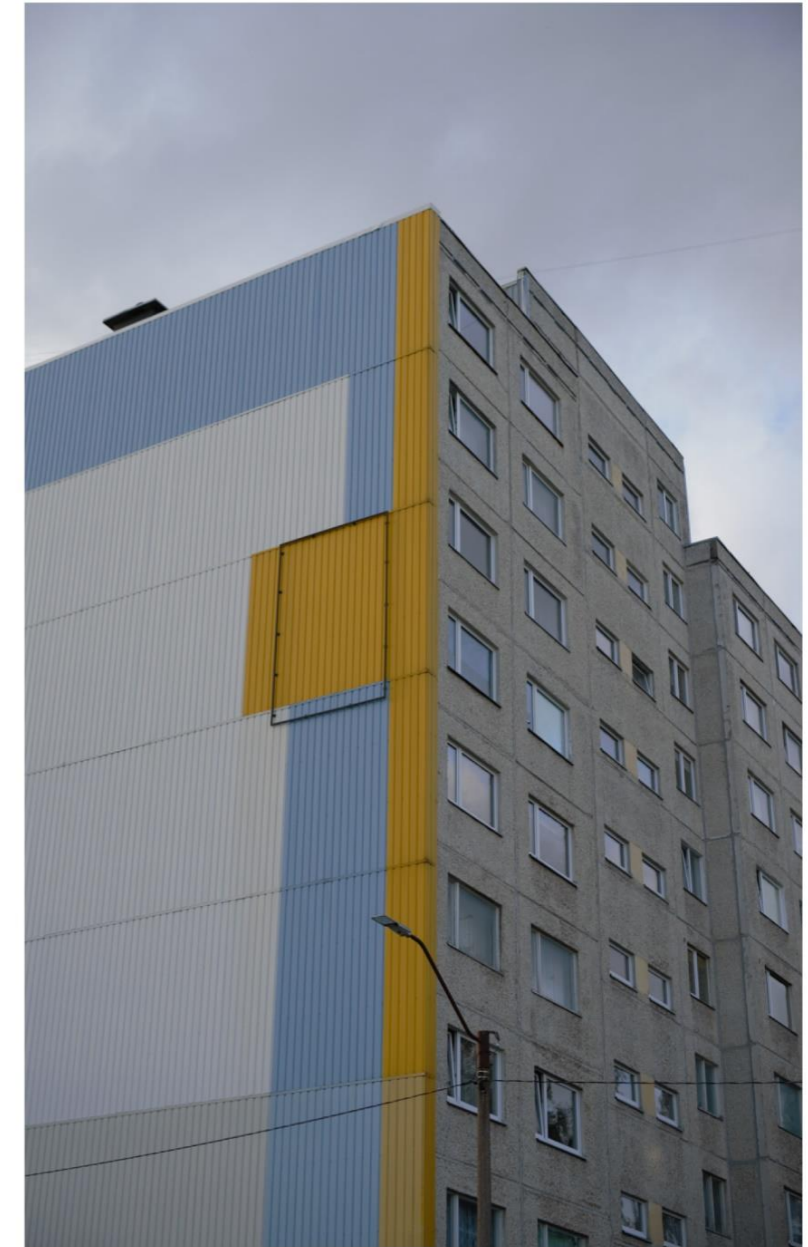


SOUTH ELEVATION
Scale 1:200



WEST ELEVATION
Scale 1:200

LASNAMAE COLOURED-RENOVATED RESIDENTIAL BLOCKS



NORDIC WOODEN HOUSES



TALLINN LENDER HOUSES



SOUTH ELEVATION
Scale 1:200



WEST ELEVATION
Scale 1:200

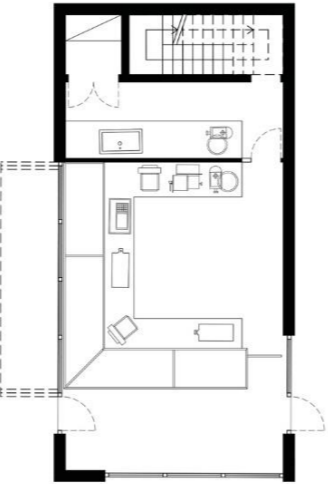


ELEVATION
Scale 1:50

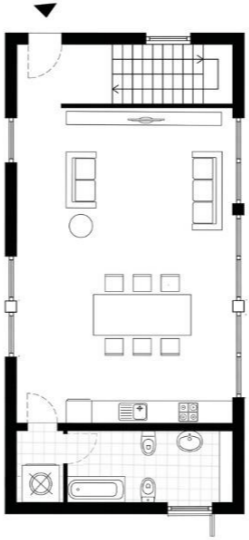


**SHOPHOUSE
TYPOLOGY**

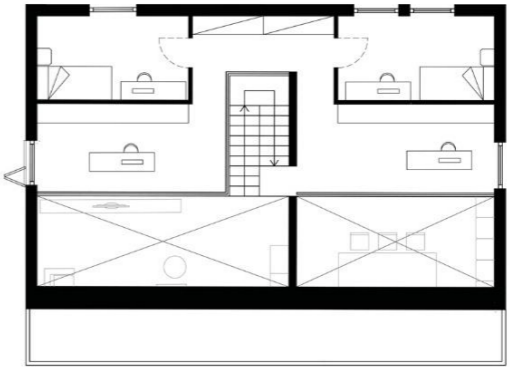
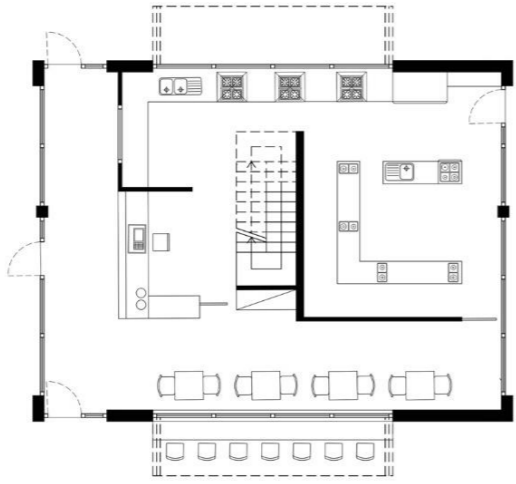
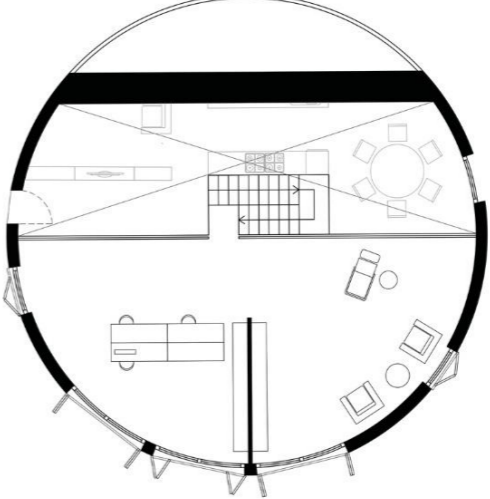
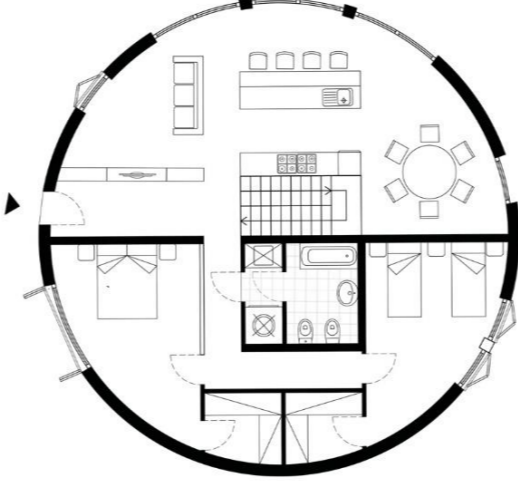
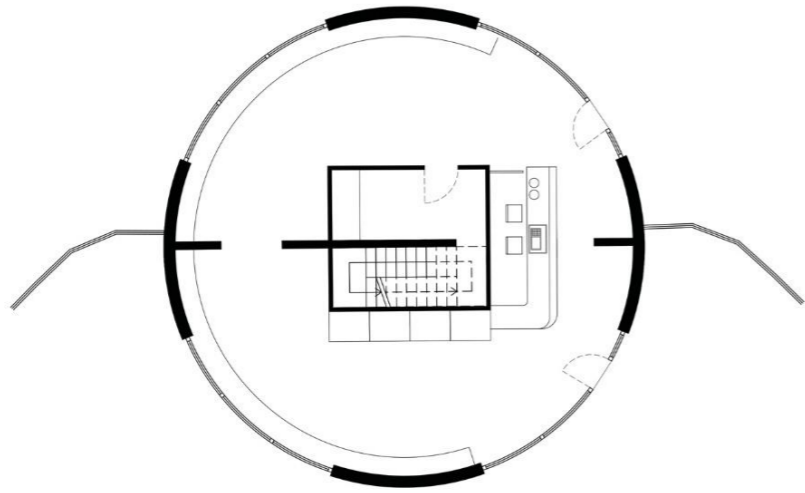
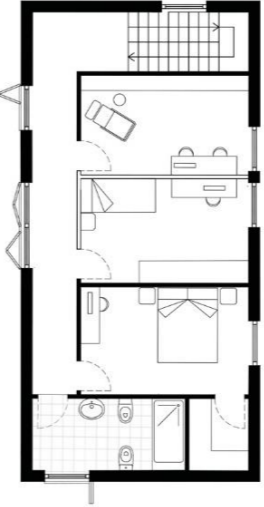
+0

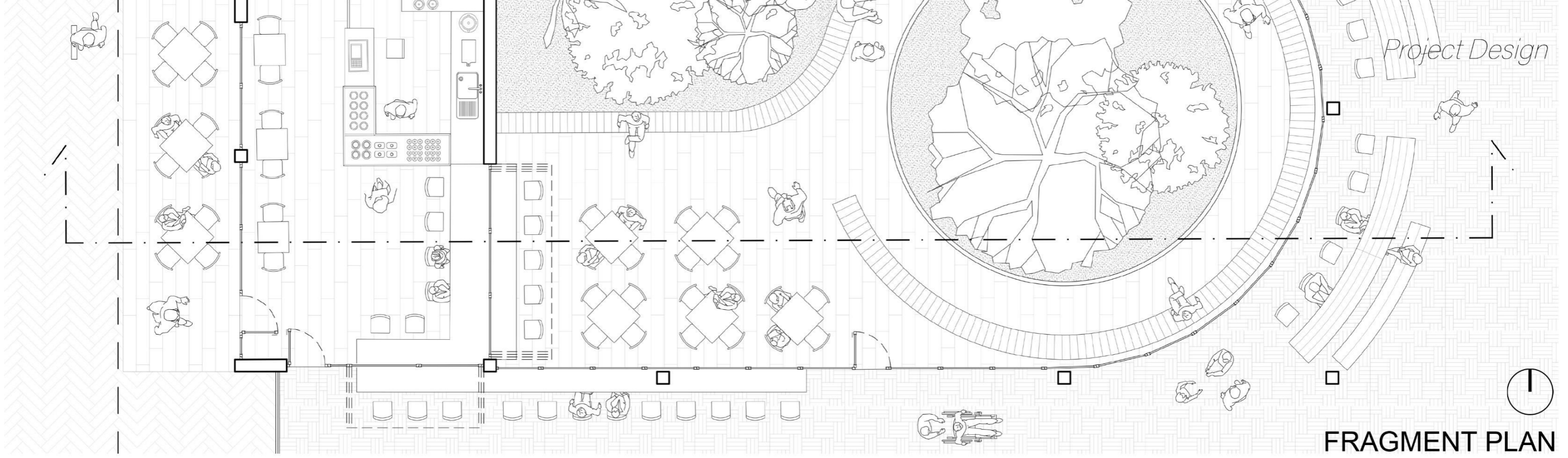


+1

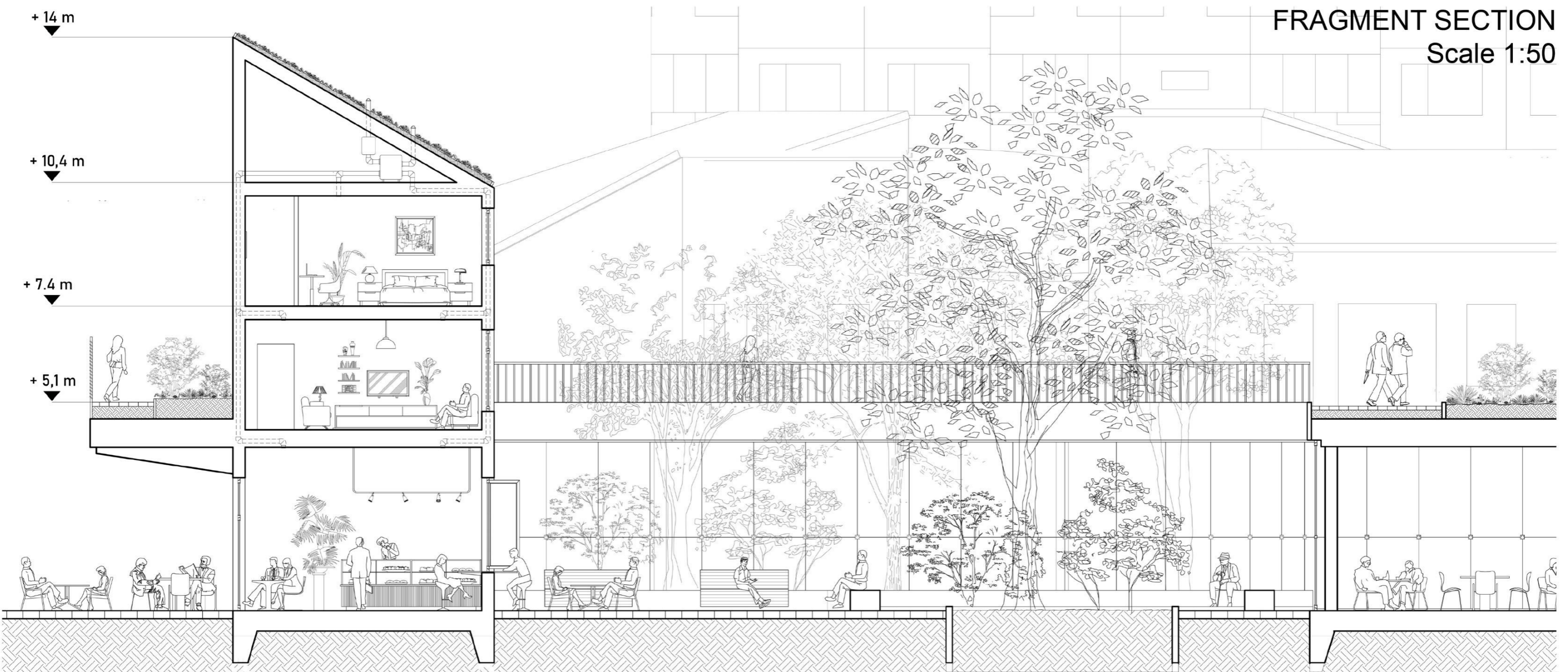


+2



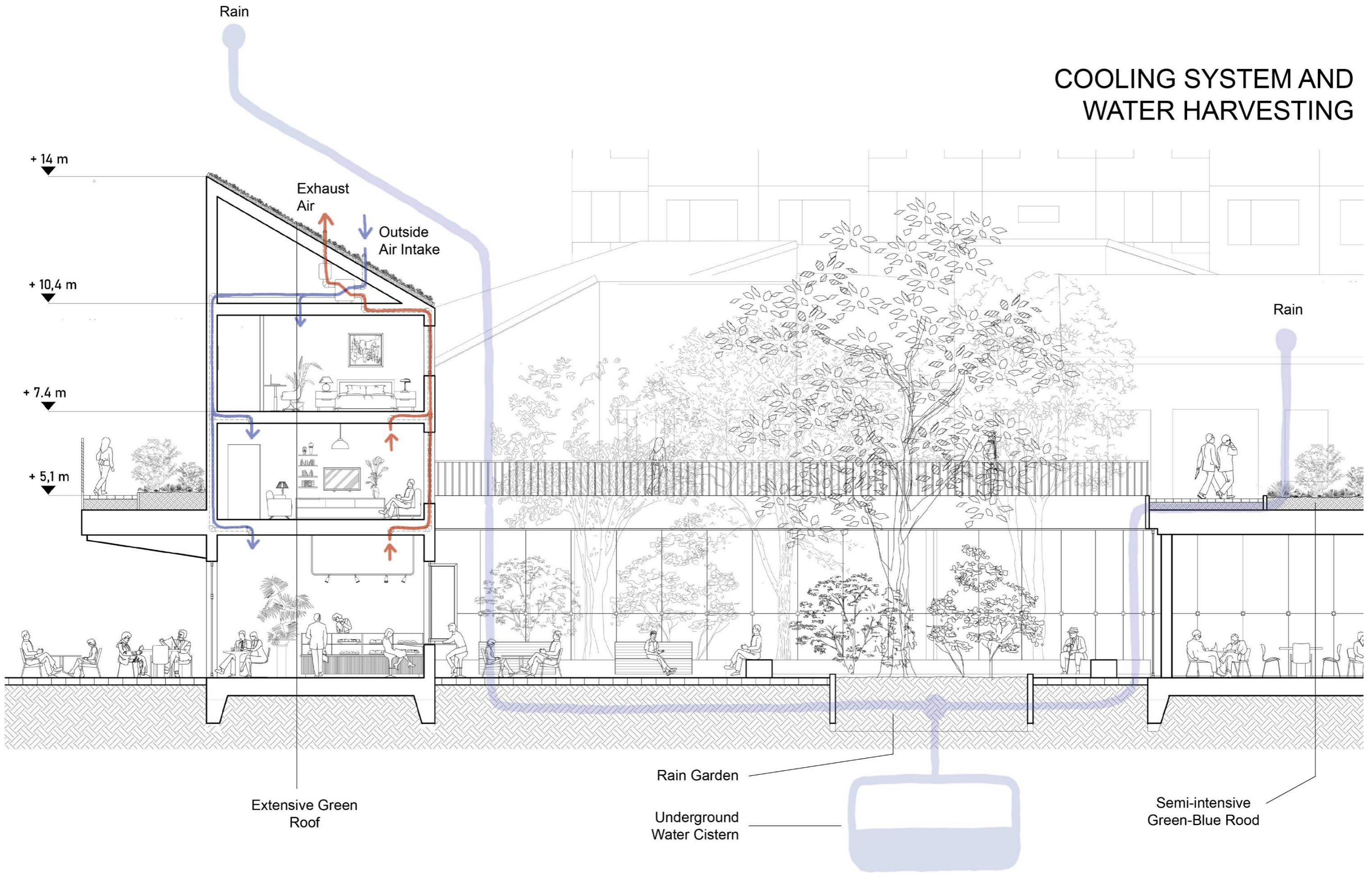


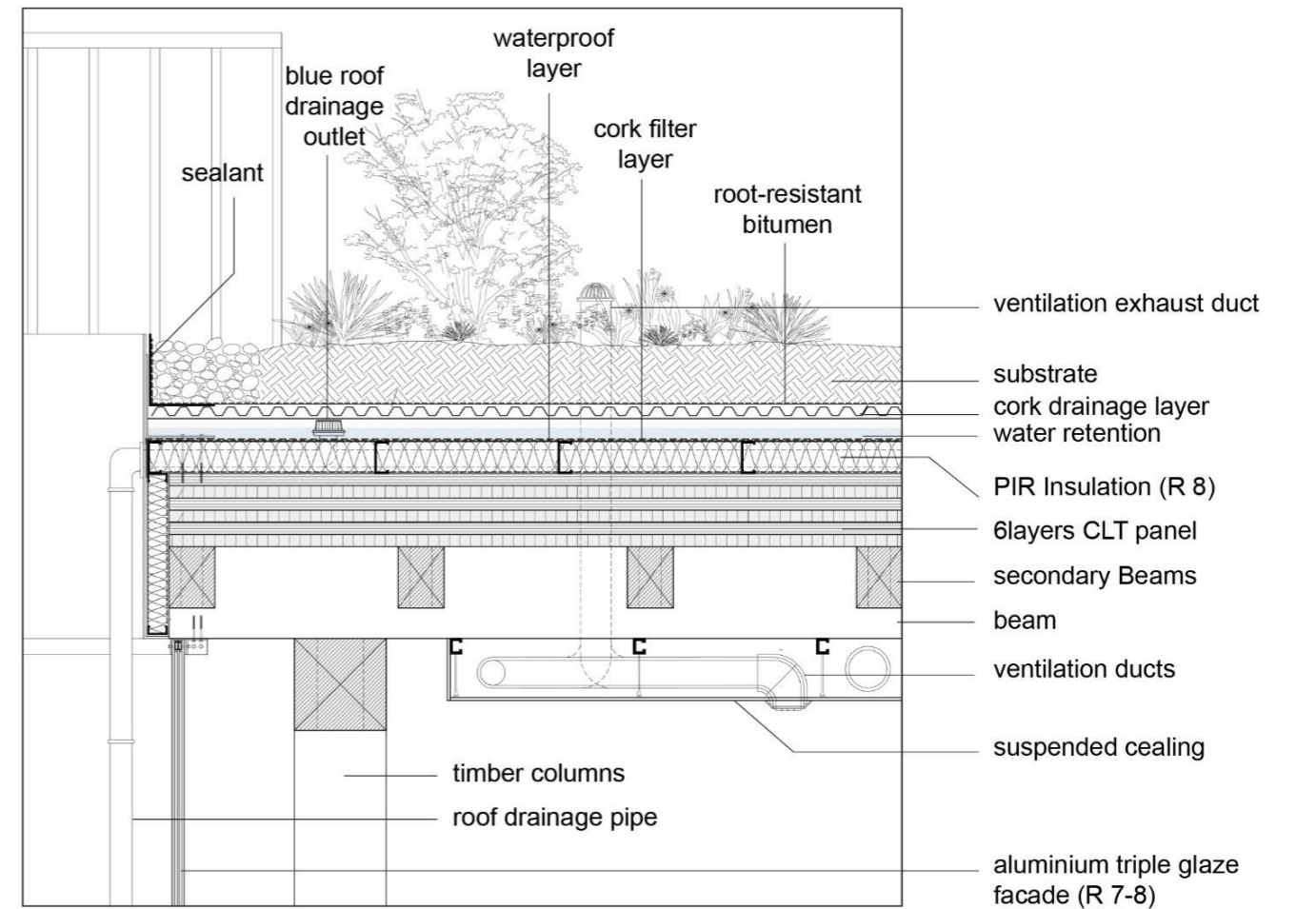
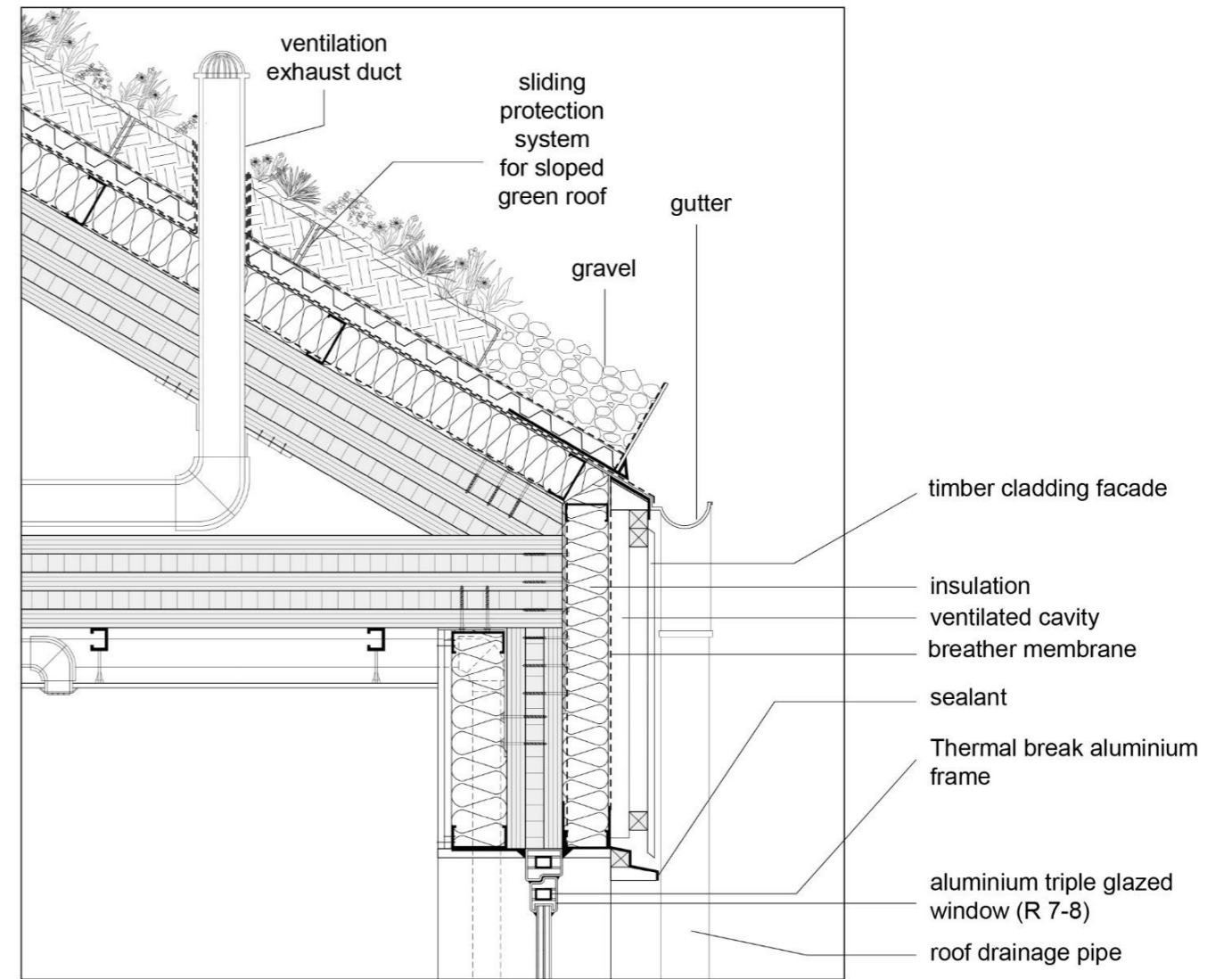
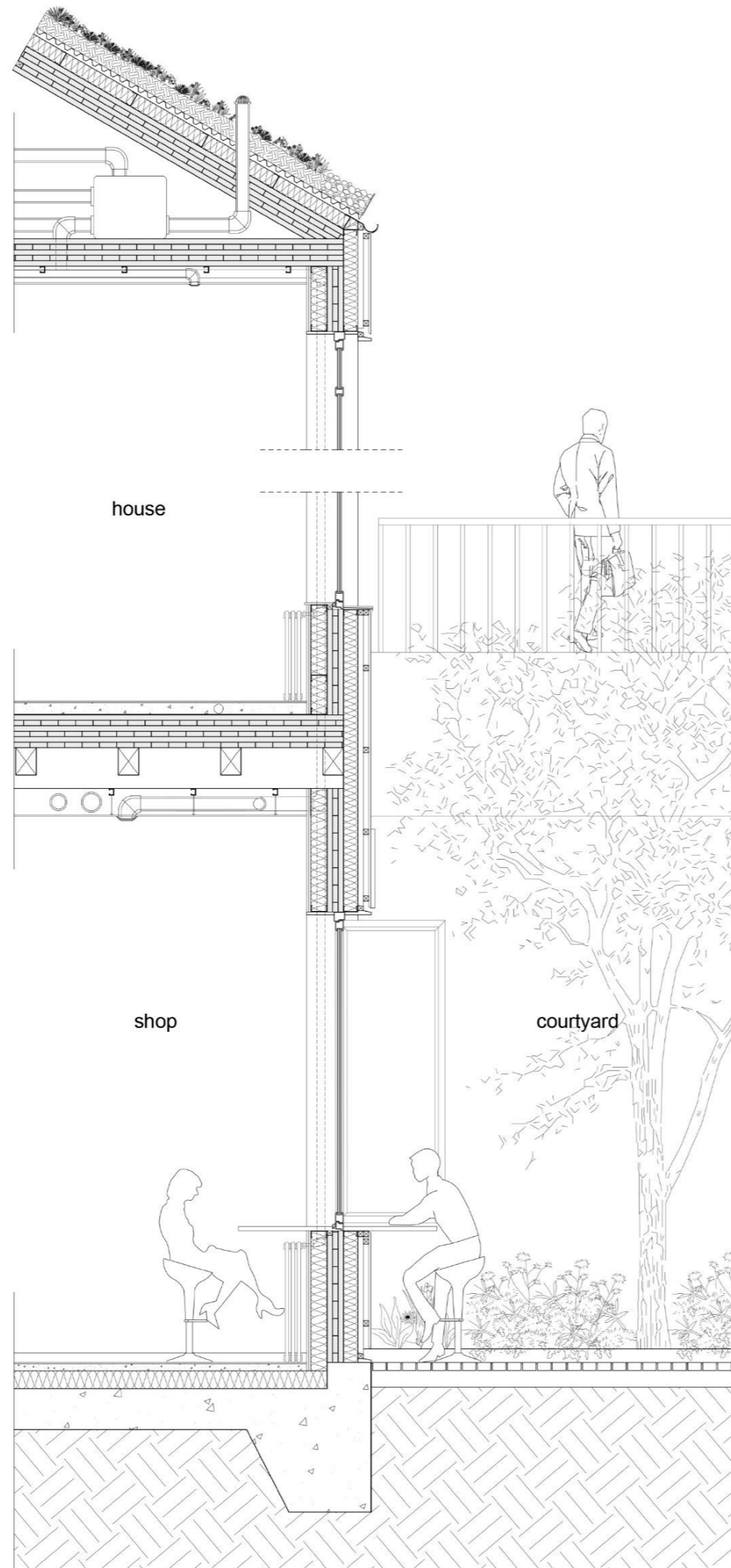
FRAGMENT PLAN

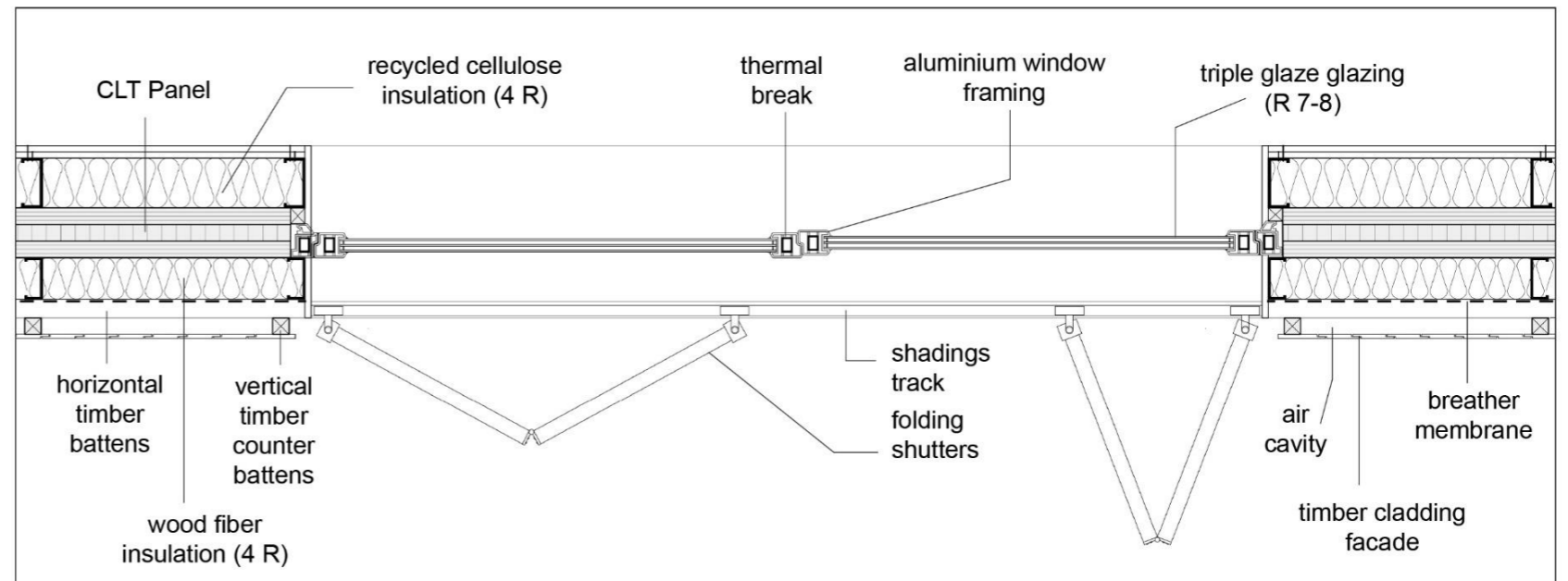
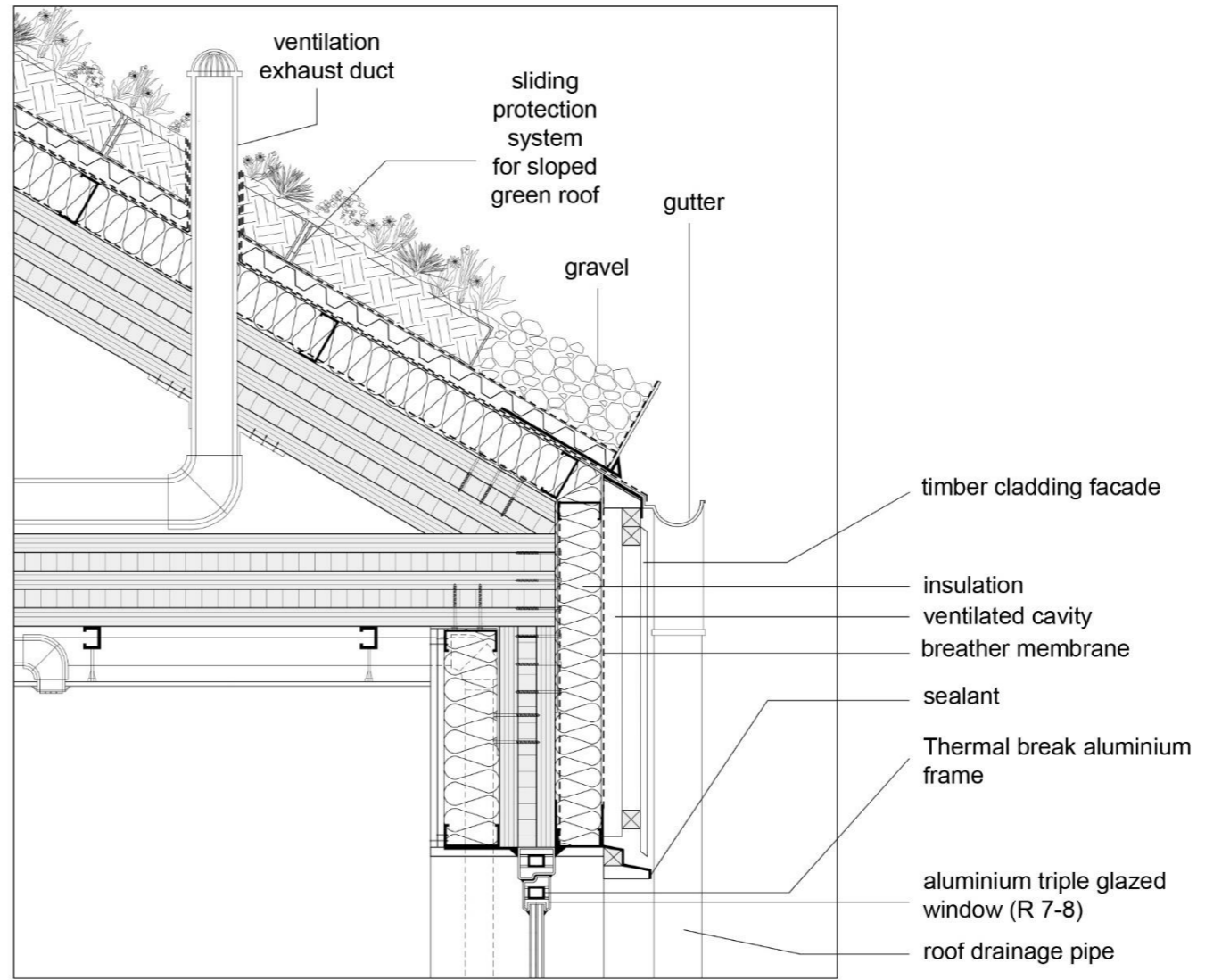
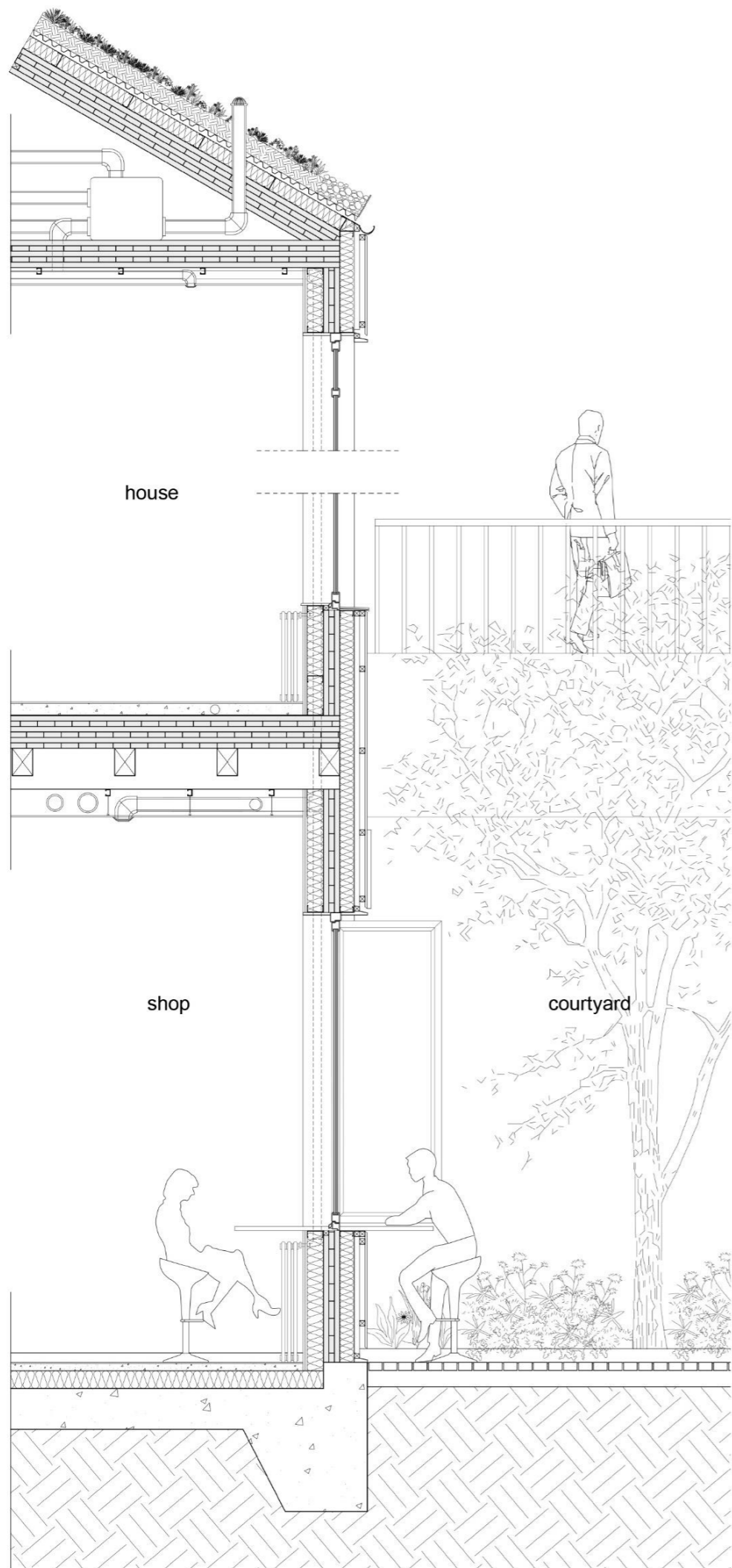


FRAGMENT SECTION
Scale 1:50

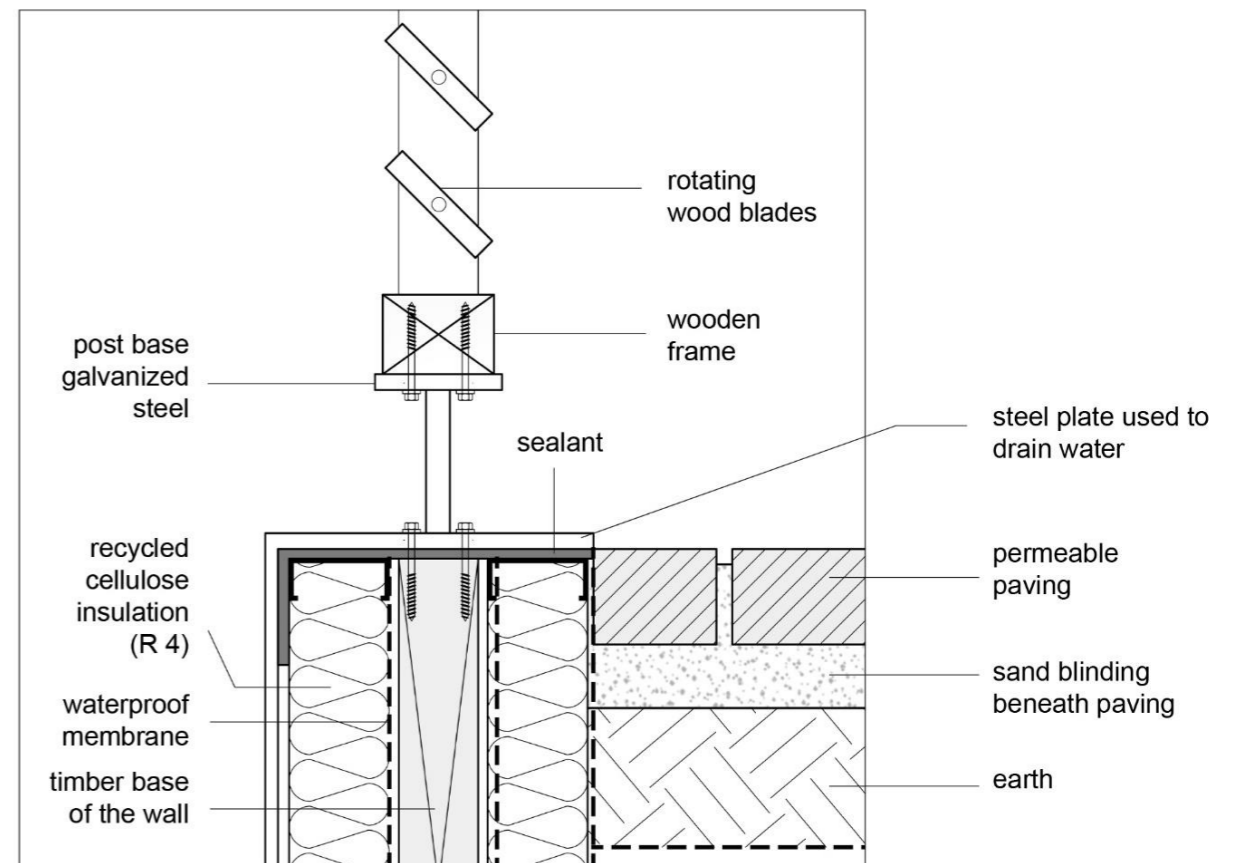
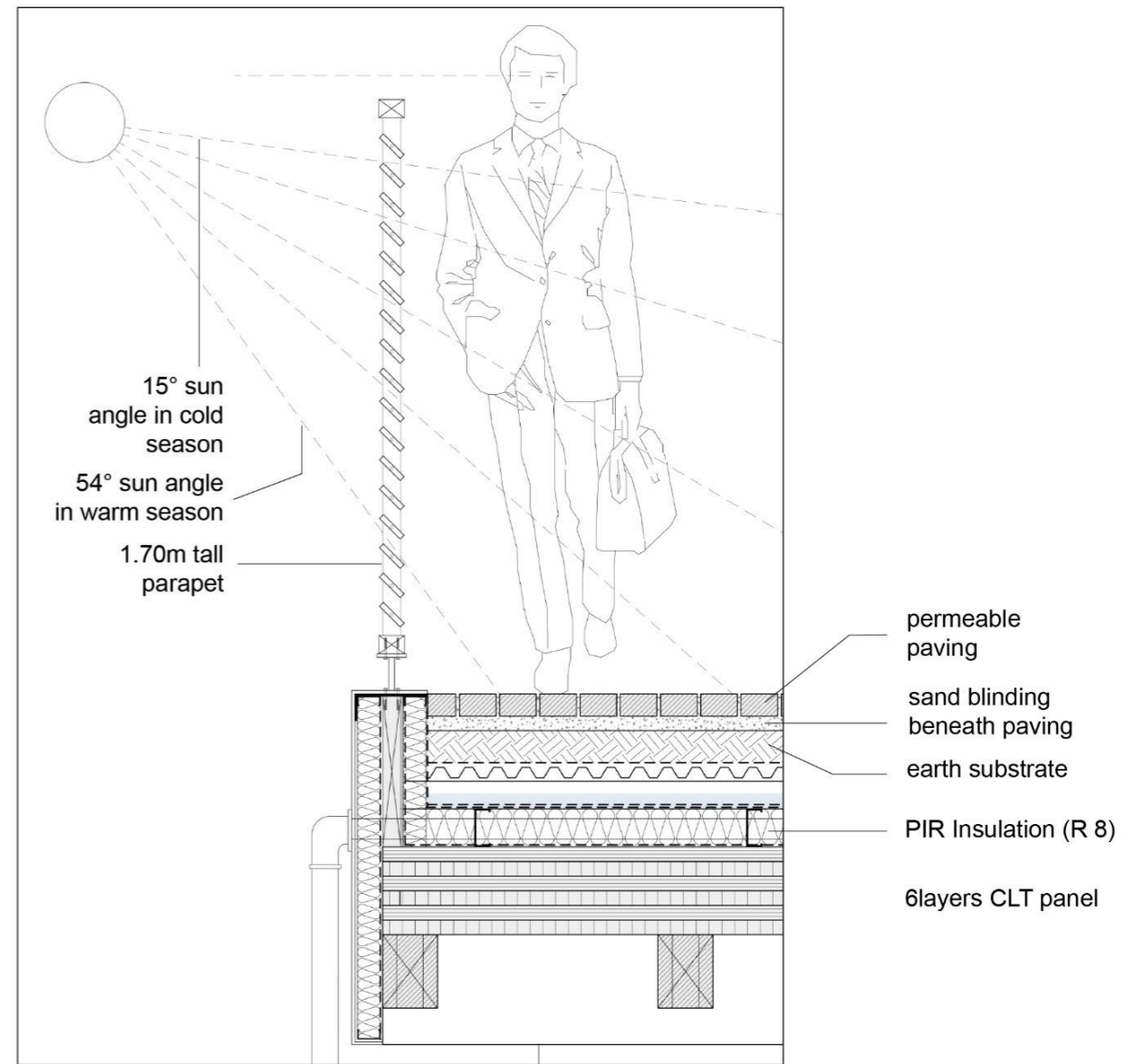
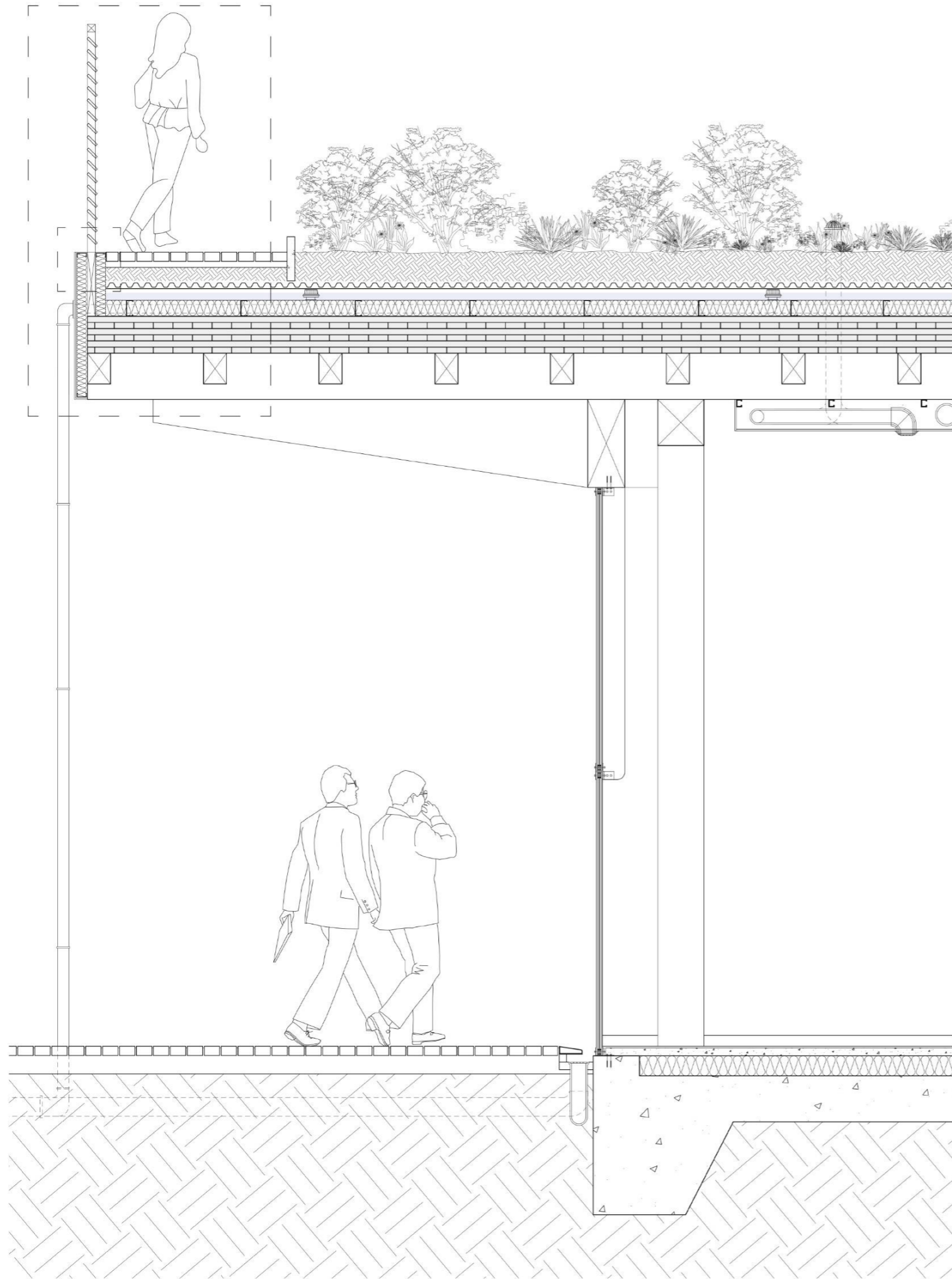
COOLING SYSTEM AND WATER HARVESTING

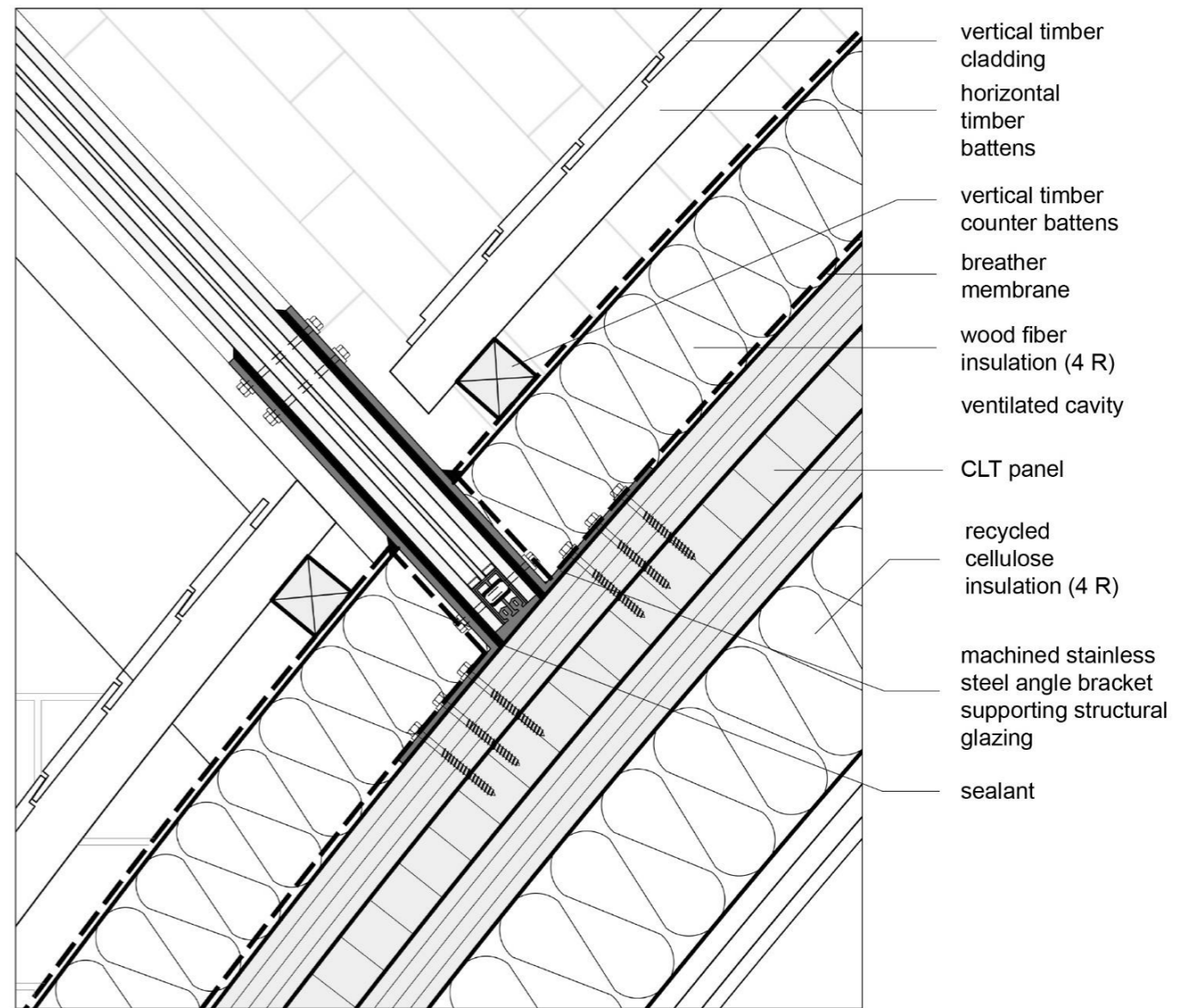
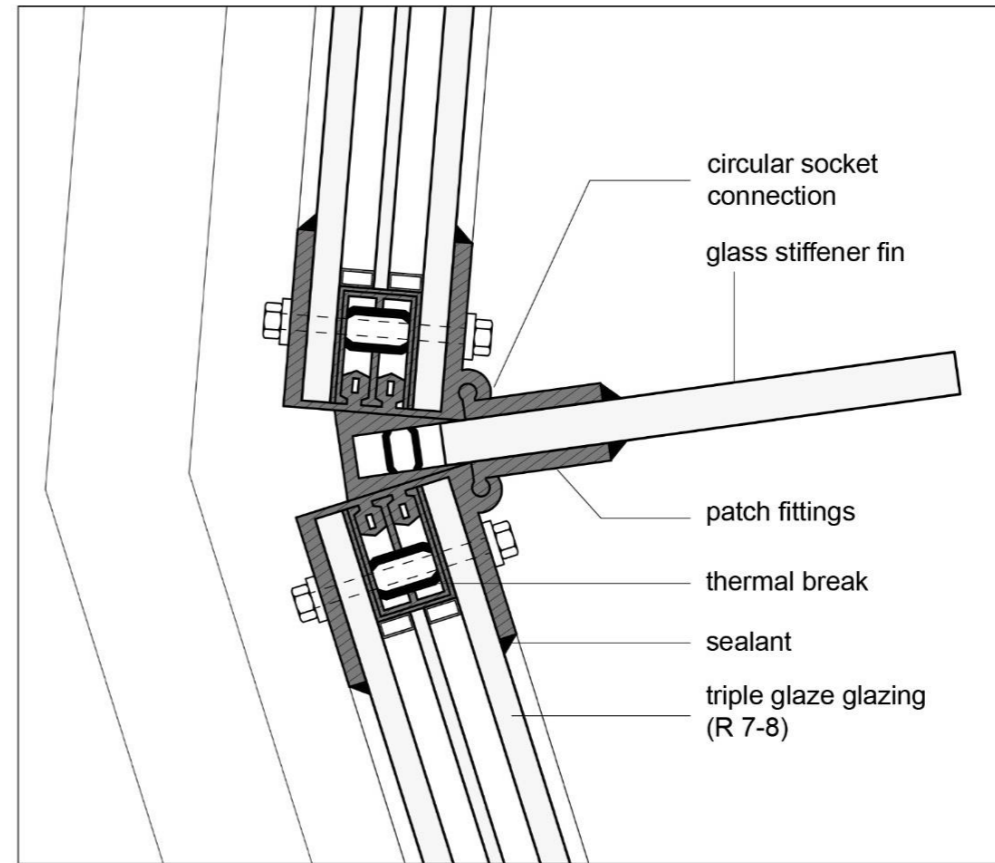




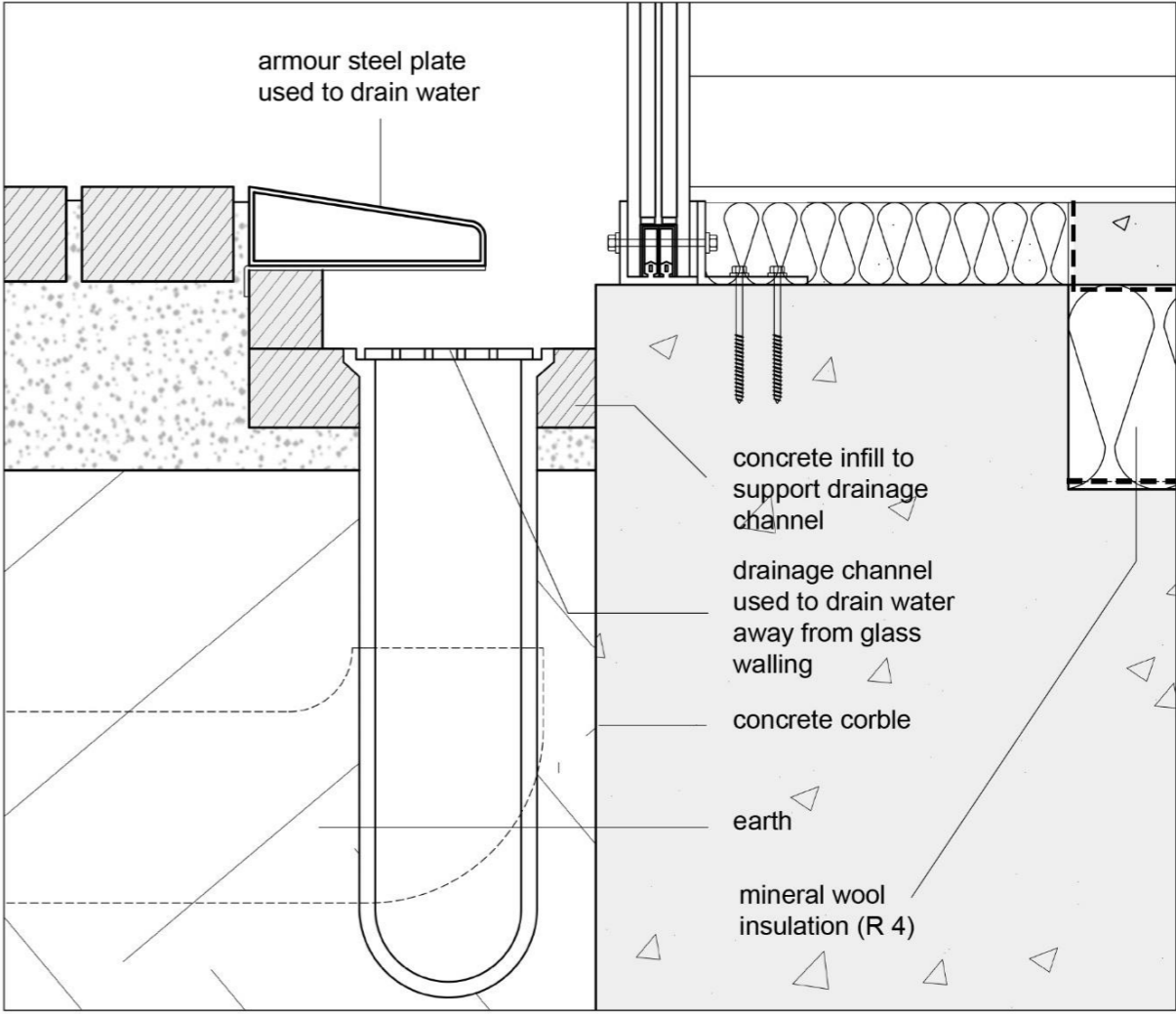
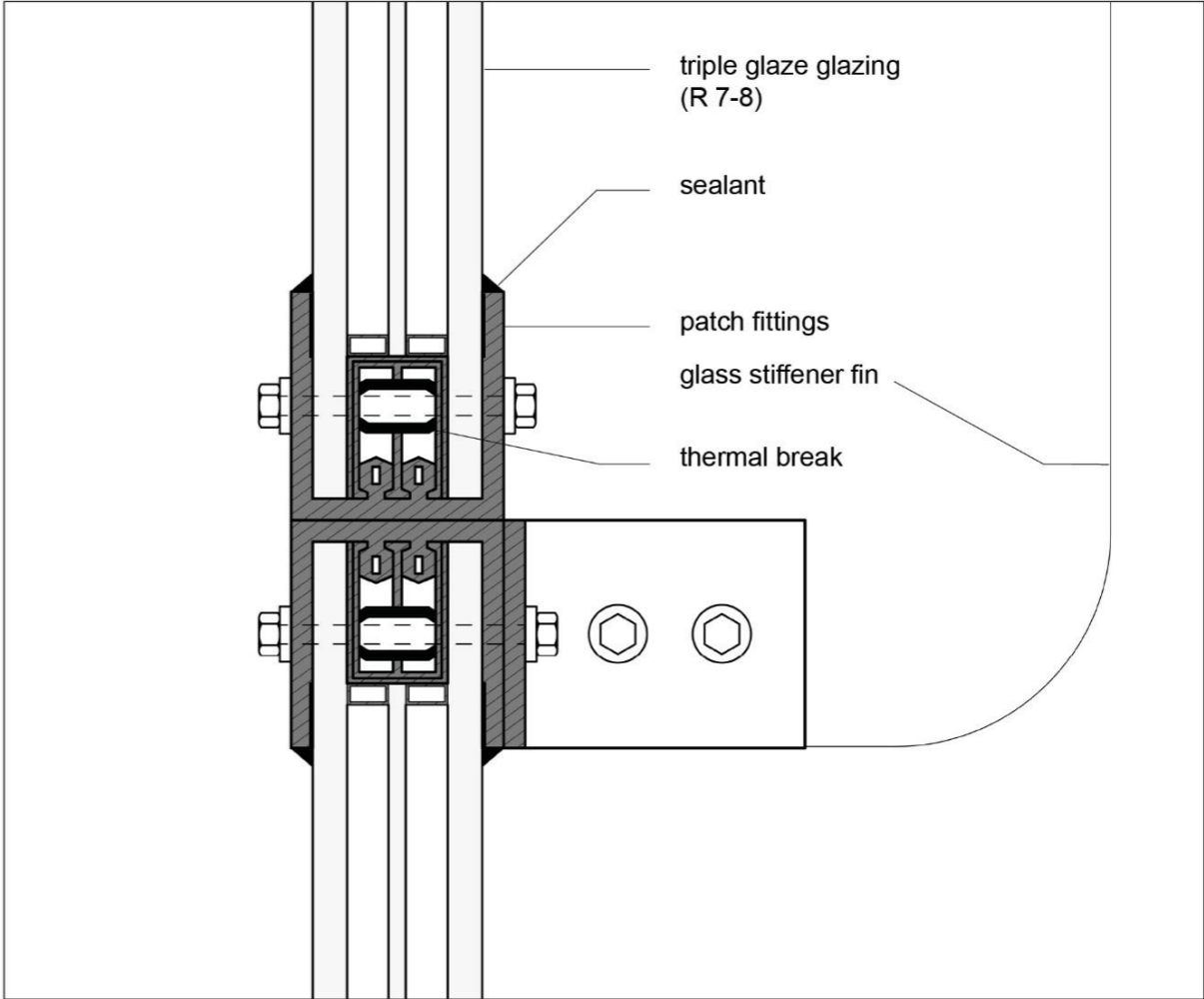
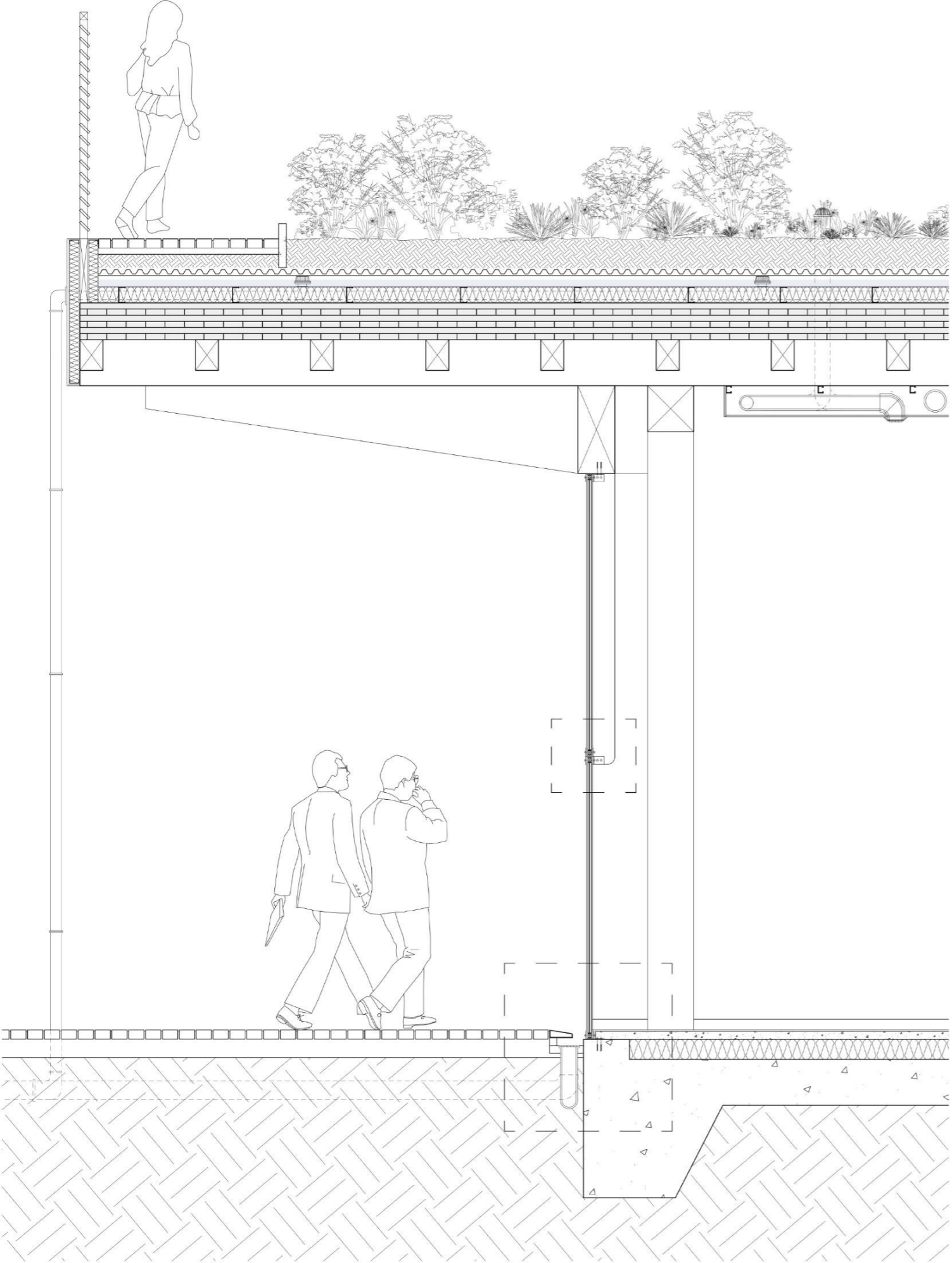


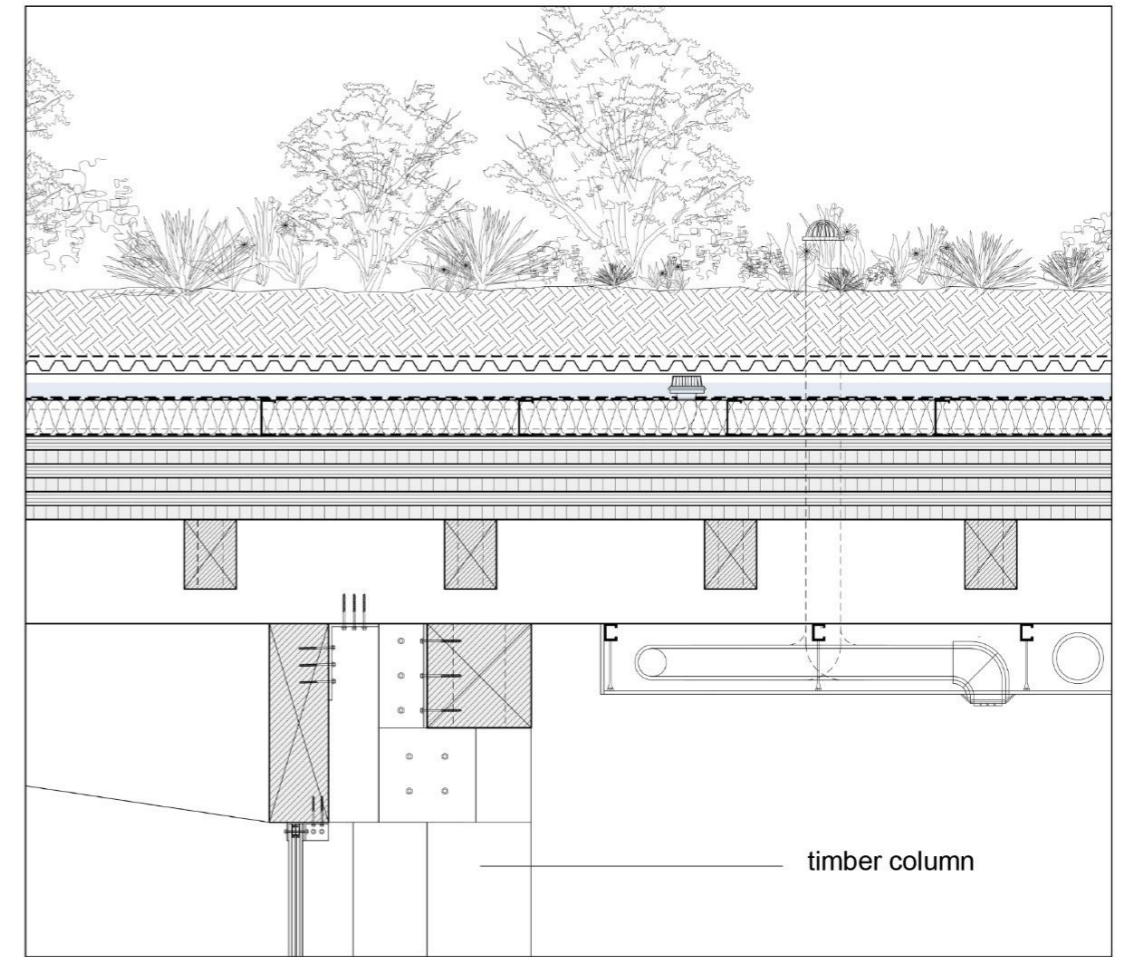
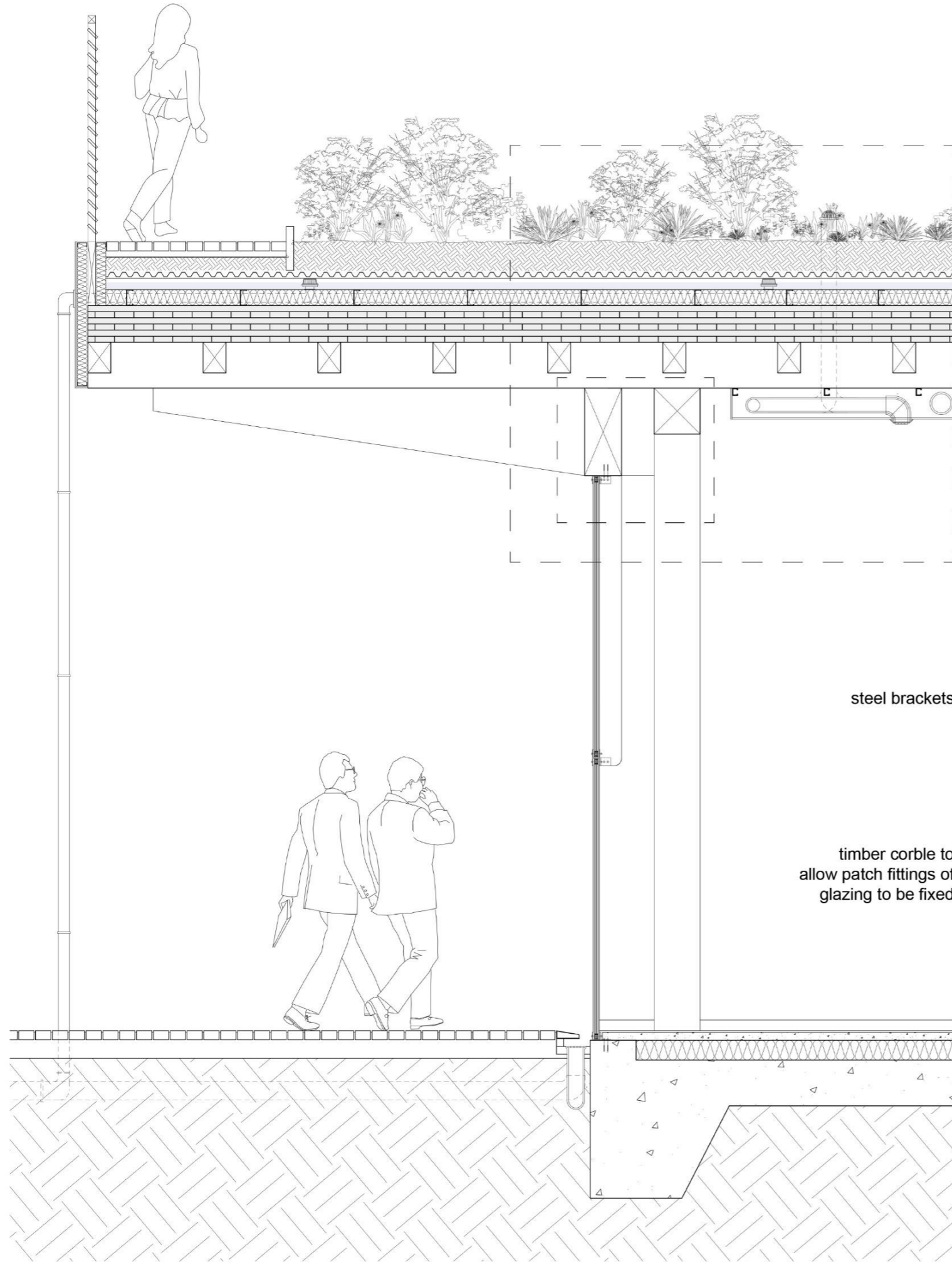
Project Design



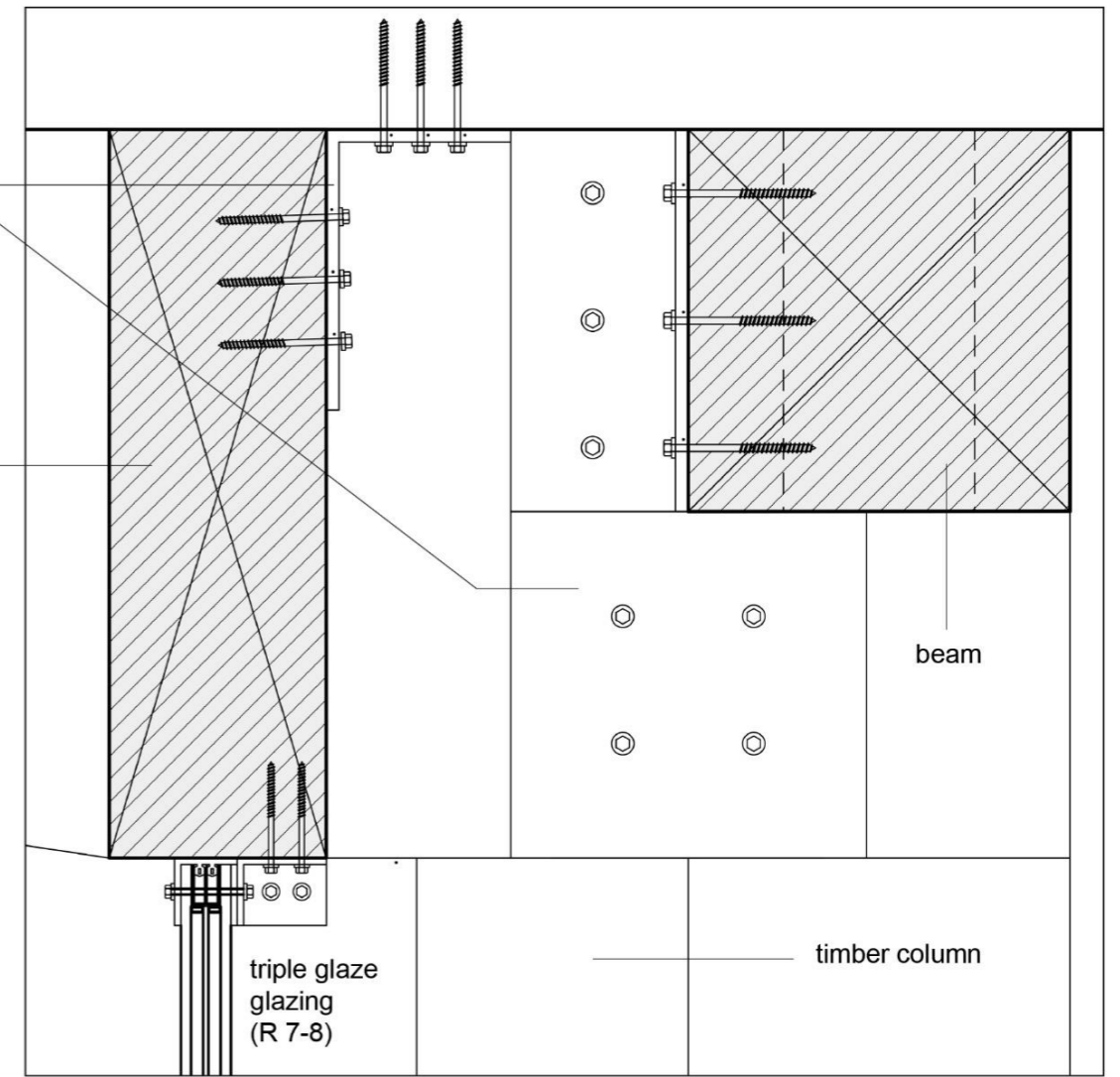


Project Design





timber column



steel brackets

timber corbeles to allow patch fittings of glazing to be fixed

beam

triple glaze glazing (R 7-8)

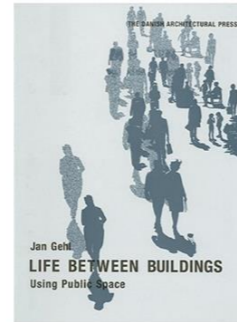
timber column

**“To *animate*
is to give life, to
create or activate
a vital process
through which
individuals and
group affirm
themselves”.**

Henry Thierry
(1966)
l'animation des
collectivités
urbaines

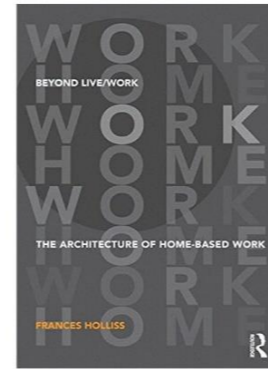
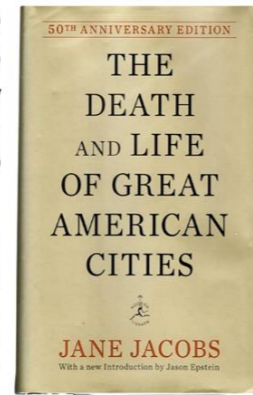
Conclusion

“Nothing happens because nothing happens” (Gehl, 2011).



“you can't make people use streets they have no reason to use.”

Jacobs J. (1961). The Death and Life of Great American Cities. Random House, New York.



the integration of home and workplace, have been overlooked and not explored due to the monofunctional approach traditionally applied by Modernism. The intricate and diverse structures that once supported myriad home-based occupations, such as buildings, sheds, courts, and yards, were replaced by austere blocks of high-density “Model Housing.”

Holliss F. (2015). Beyond Live / Work: The

Anderson S. (1978). On Streets. MIT Press.



“IL FAUT TUE LE RUE-CORRIDOR!” (KILL THE CORRIDOR STREET), Le Corbusier

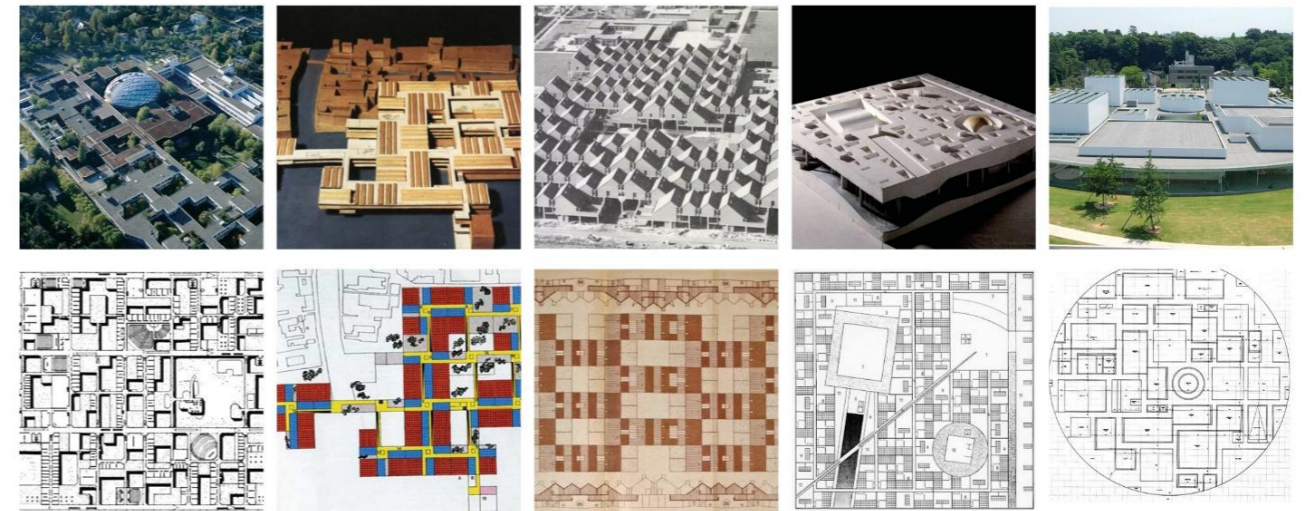


PLAN VOISIN
Le Corbusier (Paris, France)



MUSTAKIVI MICRORAYON
(Lasnamae, Tallin, Estonia)

MAT BUILDING STUDY



1963
THE FREE UNIVERSITY OF BERLIN
Candilis - Josic - Woods And Schiedhelm (Berlin, Germany)

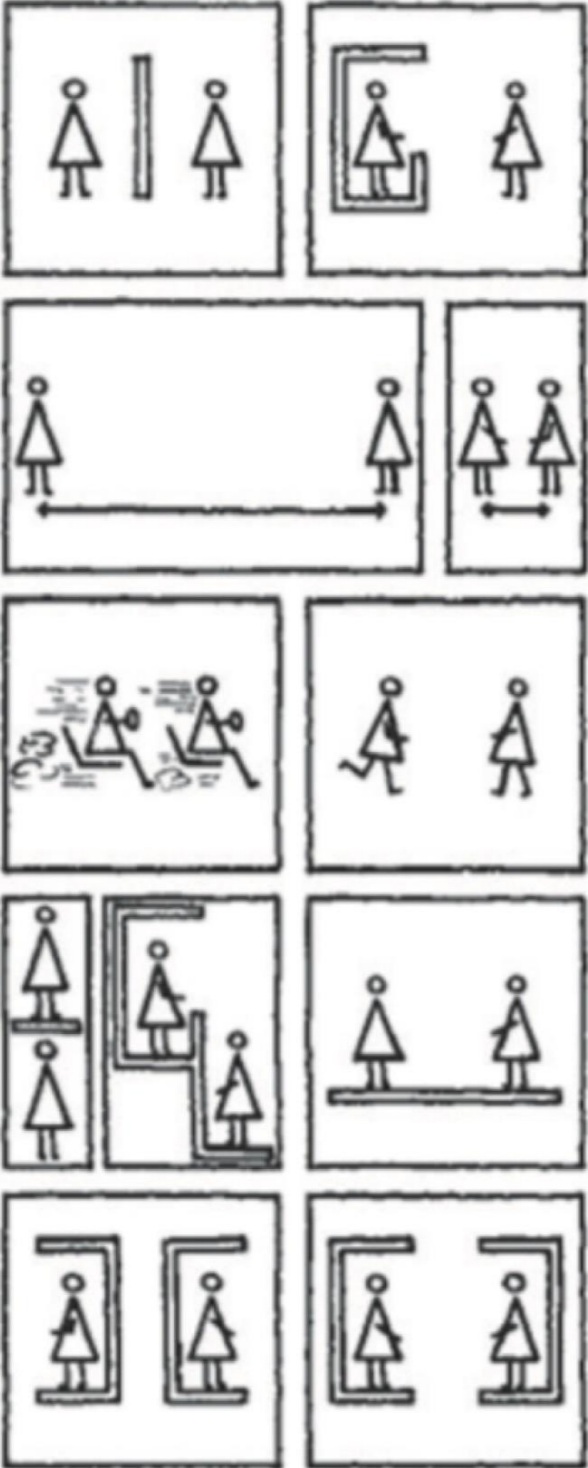
1965
VENICE HOSPITAL
Le Corbusier (Venice, Italy)

1973
KASBAH
Piet Blom (Hengelo, Netherlands)

1990
CONVENTION CENTER
OMA (Agadir, Morocco)

2004
21ST CENTURY MUSEUM
SANAA (Kanazawa, Japan)

Conclusion



thank you