

The background of the slide is a grayscale photograph of a park. In the foreground, a person is sitting on a metal mesh bench, facing away from the camera. In the background, several other people are walking or standing on a path, surrounded by trees. The overall atmosphere is one of a public outdoor space.

THE LIVING INCUBATOR

A PLACE FOR
EXCHANGE

Veerle Rigter - P5 Presentation - 14/04/2016



Explore



CONTENT

- 1. Context*
- 2. Location*
- 3. Research*
- 4. Design*



1. CONTEXT



Project motivation

The potential of architecture to connect people

An aerial photograph of a sprawling, densely populated hillside, likely in Mexico City, showing a vast expanse of small, closely packed buildings and structures. The terrain is steep, and the urban sprawl covers almost the entire visible area. A white rectangular box with a thin black border is centered over the middle of the image, containing text. The background image is slightly hazy, suggesting a high-altitude or smoggy environment.

Problem statement

*'There is no doubt that our future will be shared;
with the increasing population on the planet of
finite resources, there is simply no alternative.'*

- Beth Buczynski (2013)

The notion of incubating

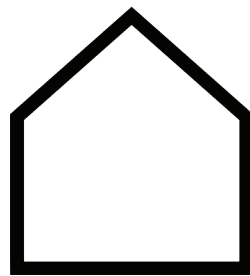


Exchange knowledge
Share experience
Crossfertilisation of ideas
Inspiration
Network
Community





The notion of small living



*More financial and material freedom, while
contributing to a better future*

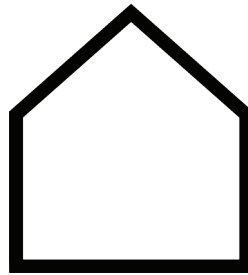


Fig. 5: Tiny House (source: millers.nl)

The Living Incubator



The incubator



Small living



The Living Incubator

Optimisation

Through sharing



Space



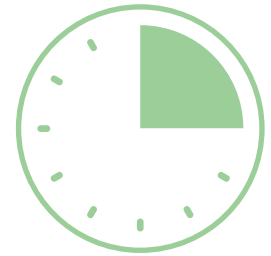
Environment



Finance



Social



Time

Optimisation

Through sharing



Space



Environment



Finance



Social



Time

Optimisation

Through sharing



Space



Environment



Finance



Social



Time

Optimisation

Through sharing



Space



Environment



Finance



Social



Time

Optimisation

Through sharing



Space



Environment



Finance



Social



Time

Optimisation

Through sharing



Space



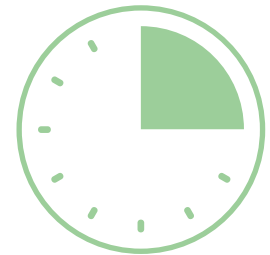
Environment



Finance



Social



Time



2. LOCATION

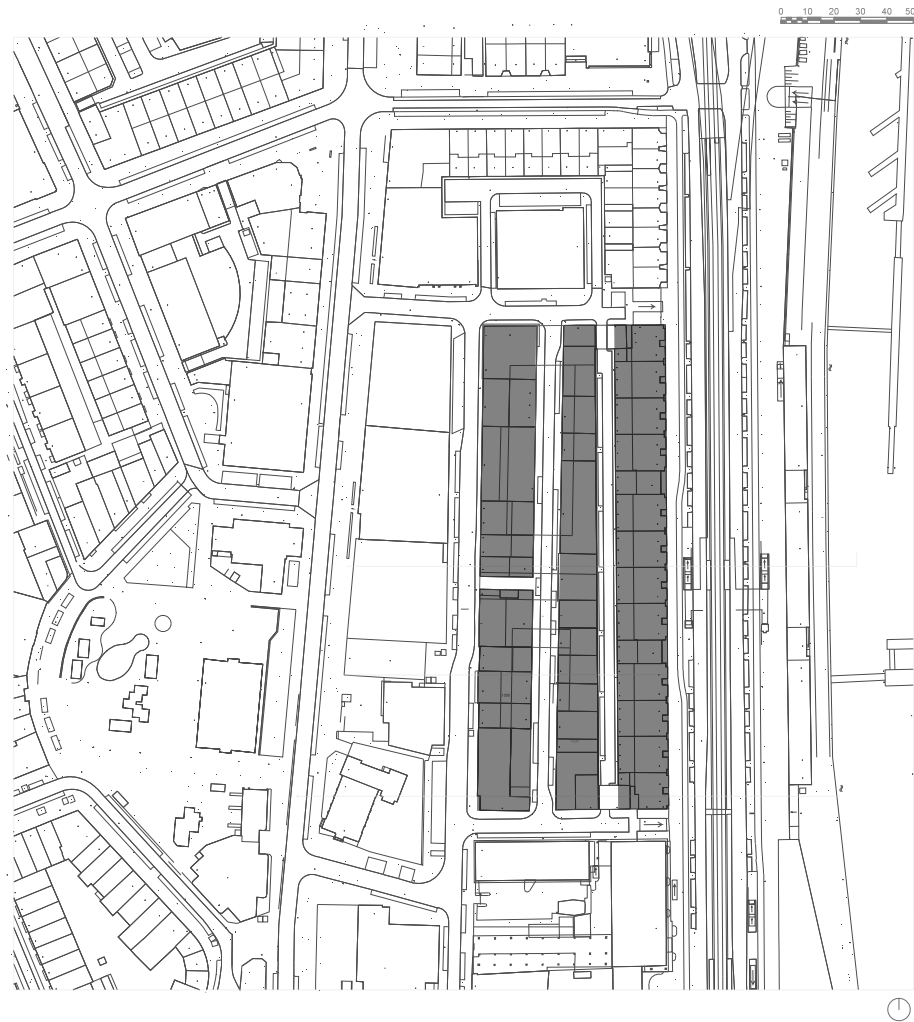


Location

Baankwartier, Rotterdam

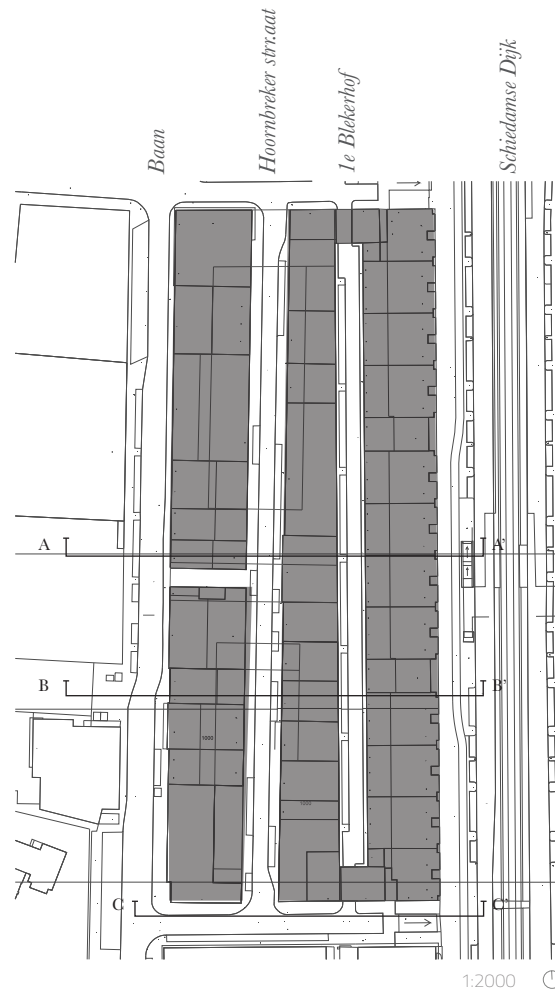


Location



Neighbourhood

Location



Building block



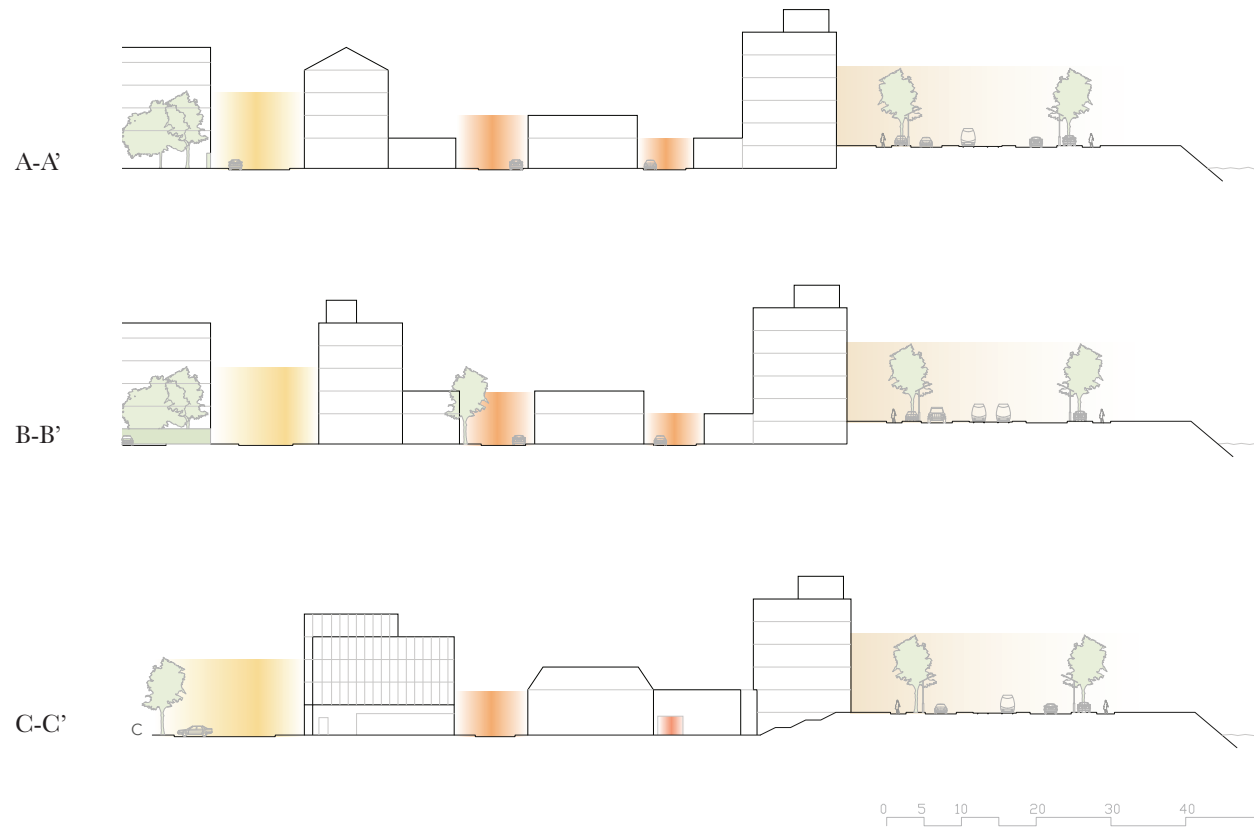
Fig. 8: Hoornbrekestraat, Rotterdam

Location



Sections

Location



Sense of enclosure

Streetview

References



Fig. 12: Leinster Mews, London (everchangingmews.com)



Fig. 13: Junction Mews, London (luotbrand.co.uk)



Fig. 14: Junction Mews, London (luotbrand.co.uk)

Baankwartier



Fig. 9: Hoornbrekestraat, Rotterdam



Fig. 11: 1e Blekerhof, Rotterdam



Fig. 10: Hoornbrekerstraat, Rotterdam

Analysis of qualities

Reference qualities

Original



Pavement



Enclosure - sense of intimacy



Appropriation



Human scale



Transition



Unity in diversity



Greenery



Fig. 15: Leinster Mews, London (everchangingmews.com)

Analysis of qualities

Site qualities

Original

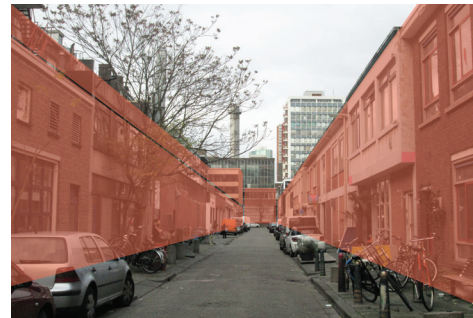


Fig. 16: Hoornbrekerstraat

Human scale



Enclosure - sense of intimacy



Unity in diversity



Qualities analysis

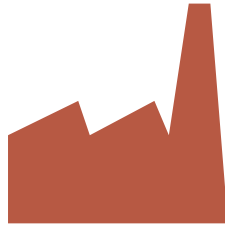
Missing site qualities

Pavement / Appropriation / Greenery

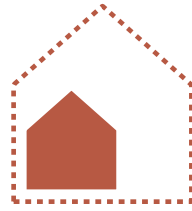


Qualities

Existing qualities



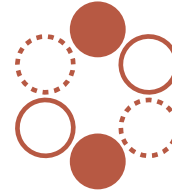
Industrial character
& architecture



Small human scale



Sense of intimacy



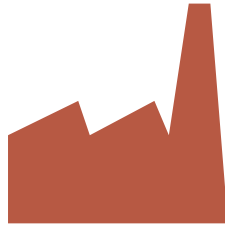
Diversity in people
and functions



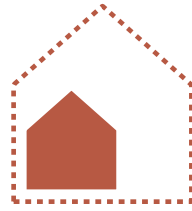
Central location

Qualities

Existing qualities



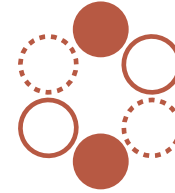
Industrial character
& architecture



Small human scale



Sense of intimacy



Diversity in people
and functions



Central location

Added qualities



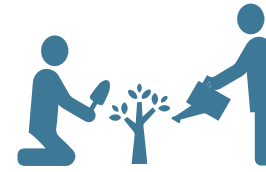
Reason to visit



Public program



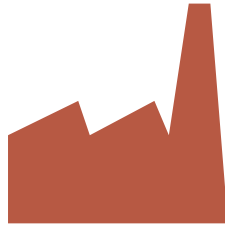
Park environment
(green space)



Social cohesion

Qualities

Existing qualities



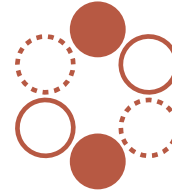
Industrial character
& architecture



Small human scale



Sense of intimacy



Diversity in people
and functions



Central location

Added qualities



Reason to visit



Public program



Park environment
(green space)



Social cohesion

Optimisation qualities



Space



Environment



Finance



Social opportunities



Time

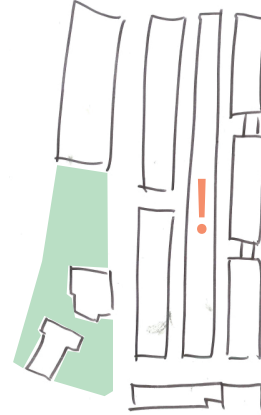
Urban interventions



Existing situation



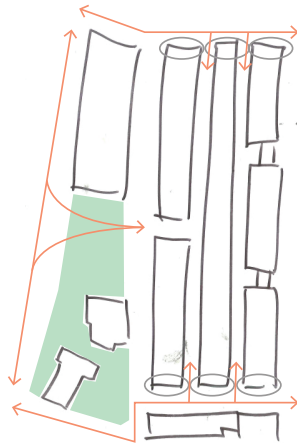
Create public park



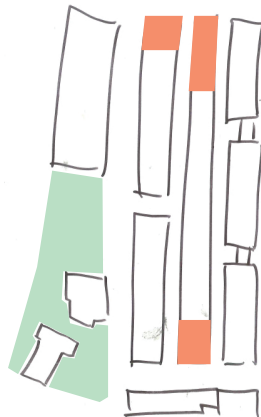
Create reason to visit



Activate corners



Attract new visitors



Intervene at corners
(short term)

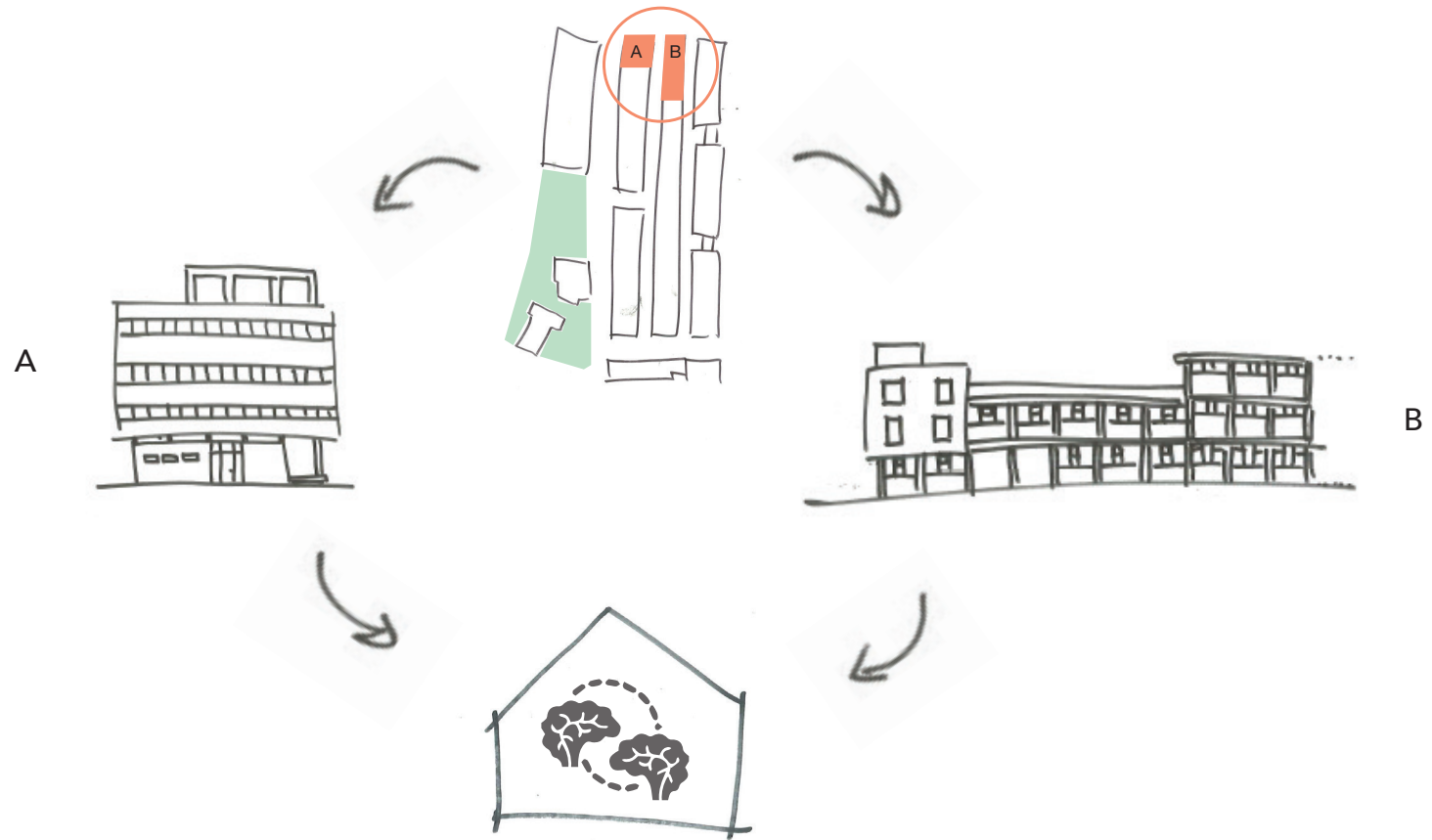


Additional program
(long term)

- Public enterprises
(ground floors)
- Dwellings
(on top)

Block intervention

Existing situation



The Living Incubator

(Additional) target group

Starters



Urban nomads

Fig. 17: (workbook.com)



Flex workers

Fig. 18: (timleerecht.com)



Creatives

Fig. 19: (i-d.vice.nl)

A black and white photograph of a park scene, likely Paley Park in New York. The image shows people sitting on benches and walking along a path, with trees in the background. A large white rectangular box is overlaid on the center of the image, containing the section header.

3. RESEARCH

Research

Research question:



How can architectural design contribute to the creation of social space in a shared living environment?



Literature review

What is social space?

Literature review

What is social space?

How are social behaviour and built environment related?

Literature review

What is social space?

How are social behaviour and built environment related?

How are social and architectural borders defined and how do we 'read' these?

Literature review

What is social space?

How are social behaviour and built environment related?

How are social and architectural borders defined and how do we 'read' these?

And what does this entail for its architectural design?

Literature review

What is social space?

How are social behaviour and built environment related?

How are social and architectural borders defined and how do we 'read' these?

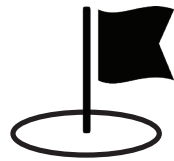
And what does this entail for its architectural design?

Herman Hertzberger, Jane Jacobs, Jan Gehl, Machiel van Dorst

Literature review conclusion

Understanding and importance of:

1. Territoriality



*Clear demarcations
Privacy zoning
Boundaries
Appropriation
Familiarisation*

2. Multiplicity



*Polyvalence
Interpretation
Affordances
Accommodative potential
Usage*

3. Accessibility



*Physically
Optically
Communication
Social security
Routing*

Translation

Research to design

Research

Goals

1. Territoriality

Design

Tools

Materialisation *Boundaries*
Hierarchy *Privacy zoning / Contrast*
Intimacy *Sense of belonging / Familiarity / Appropriation*

2. Multiplicity

Program *Activities / Users*
Time *Usage / Organisation*
Form *Accommodative potential / Affordances*

3. Accessibility

Transparency *Visual connections / Views*
Apertures *Physical connections / Transition / Interaction*
Routing *Guidance / Sequence / Encounters*

Casestudy visits



Fig. 21: De Ceuvel (modernehippies.nl)



Fig. 25: Schieblok (arch-lokaal.nl)



Fig. 23: Het Gele Gebouw (hetgelegebouw.nl)



Fig. 27: Het Volkskrantgebouw (arcan.nl)



Fig. 22: ACTA broedplaats (de-alliantie.nl)



Fig. 26: NDSM werf (evadeklerk.nl)



Fig. 24: Fenix Food Factory (d66rotterdam.nl)

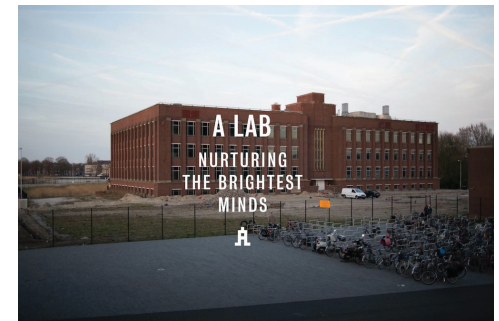


Fig. 28: A-Lab (qoorts.nl)

Casestudy visits



Fig. 29: De Ceuvel (modernehippies.nl)



Fig. 33: Schieblok (arch-lokaal.nl)



Fig. 31: Het Gele Gebouw (hetgelegebouw.nl)



Fig. 35: Het Volkstrandgebouw (arcan.nl)



Fig. 30: ACTA broedplaats (de-alliantie.nl)



Fig. 34: NDSM werf (evadeklerk.nl)

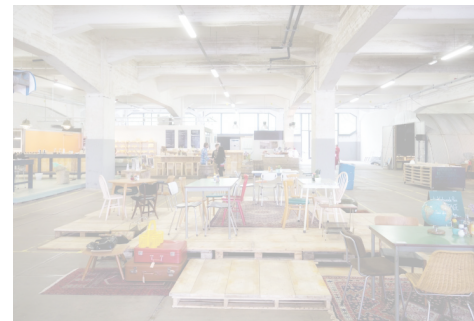


Fig. 32: Fenix Food Factory (d66rotterdam.nl)



Fig. 36: A-Lab (qoorts.nl)

Interviews



Fig. 37: Marijke Eckhardt, Urban Resort (linkedin.com)



Fig. 38: Staas Lucassen, Radion (facebook.com)



Fig. 39: Veerle Donders, Zoku (linkedin.com)



Fig. 40: Lisa Rigter, targetgroup starters (linkedin.com)

Interviews



Fig. 41: Marijke Eckhardt, Urban Resort (linkedin.com)



Fig. 42: Staas Lucassen, Radion (facebook.com)

“Radion functions as a catalyst: it is the meeting place for the diverse residents of the ACTA incubator as well as the neighbourhood and visitors”



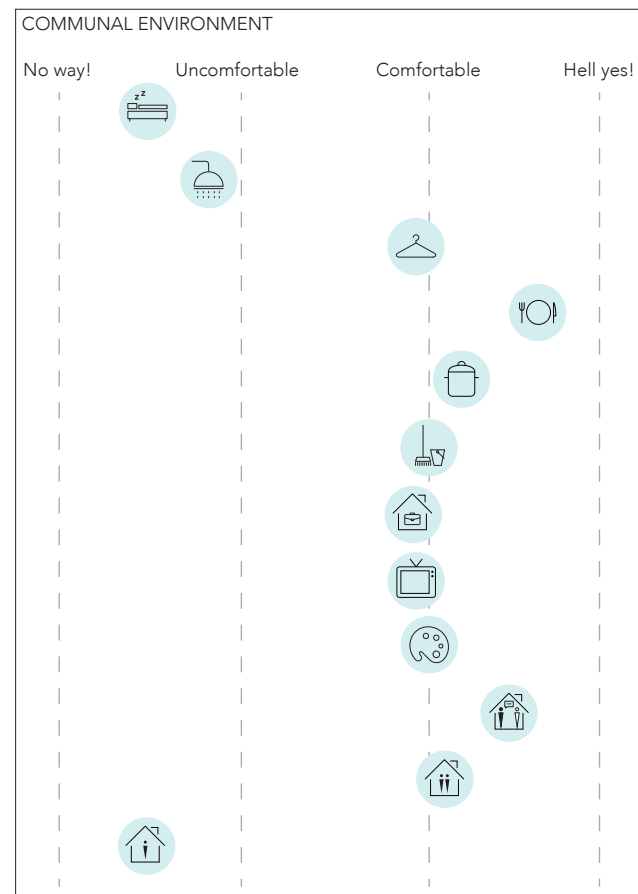
Fig. 43: Verle Donders, Zoku (linkedin.com)



Fig. 44: Lisa Rigter, targetgroup starters (linkedin.com)

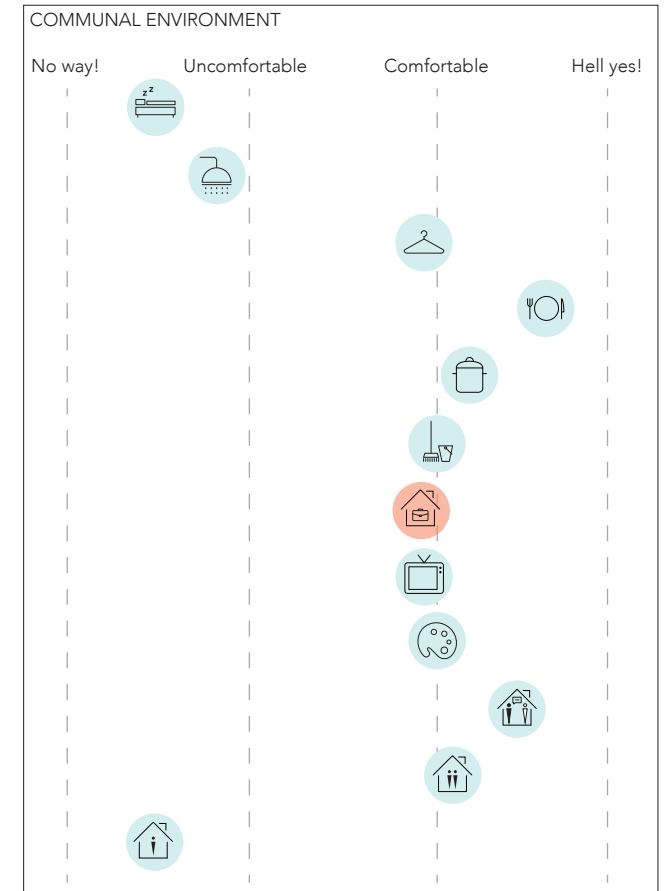
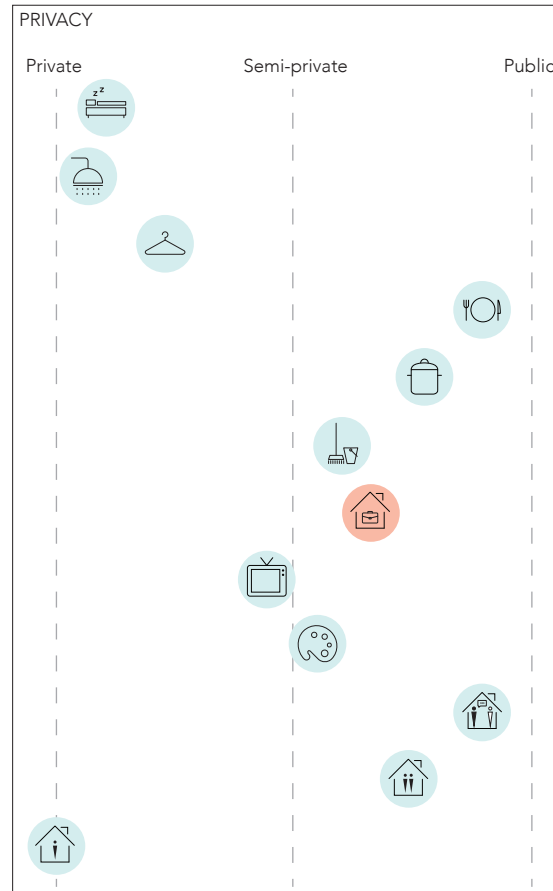
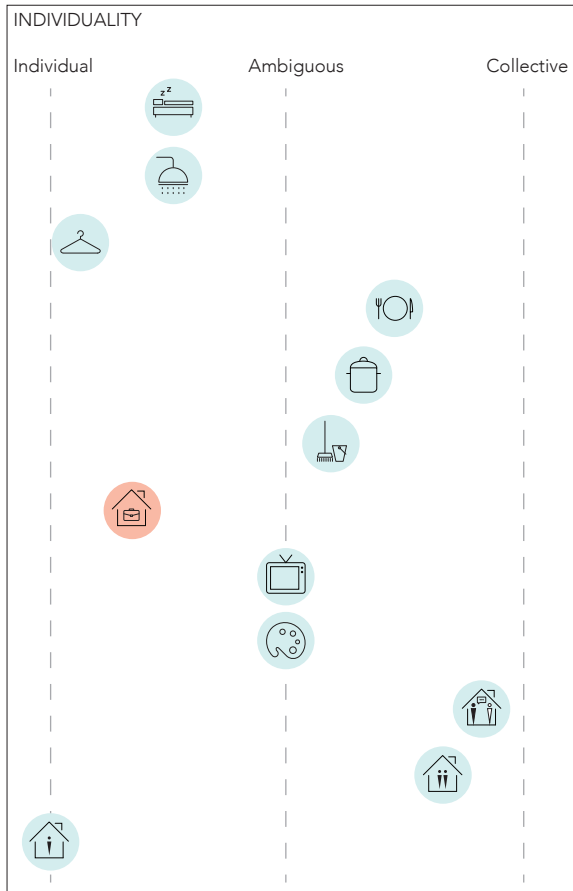
Privacy

Privacy



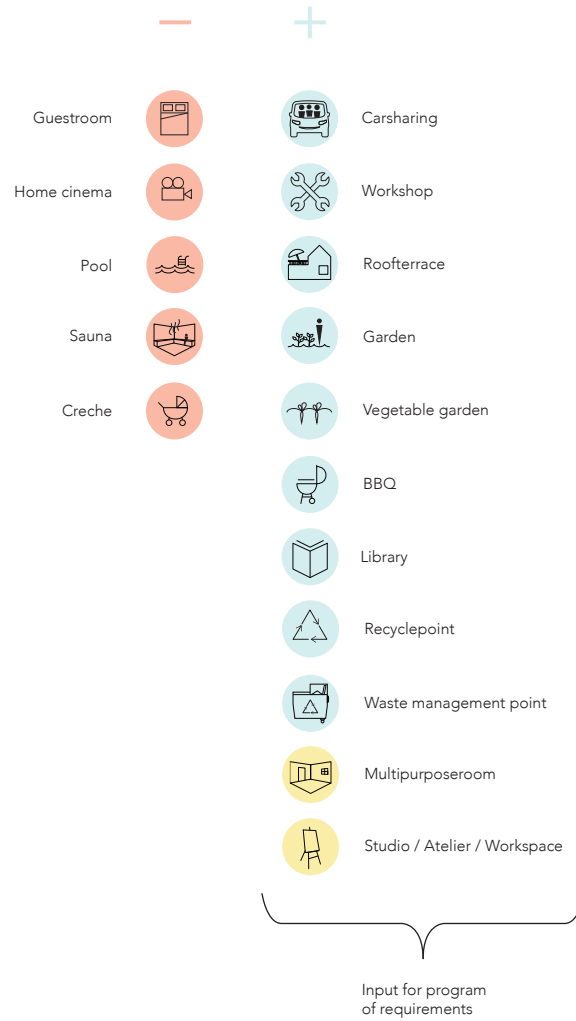
Survey

Privacy



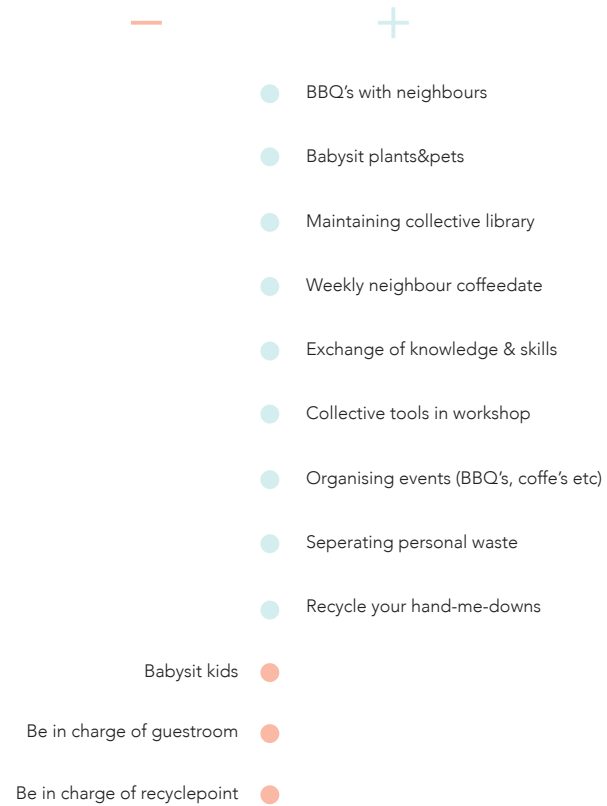
Survey

'Wishlist'



Survey

Interest in contributing activities



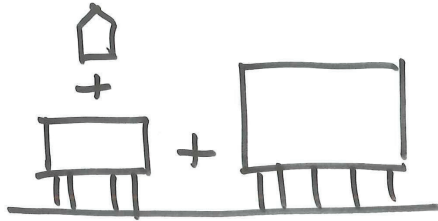


4. DESIGN

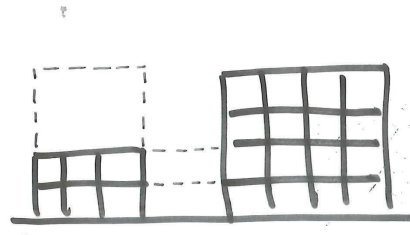
Concept
Organisation
Materialisation
Sustainability
Use over time

Concept

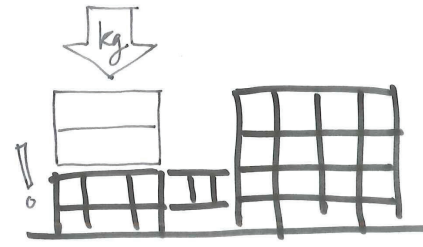
Concept



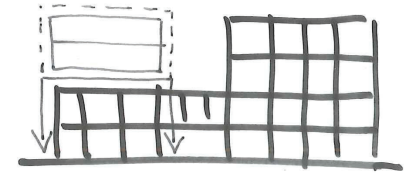
Additional dwellings +
existing A + existing B



Connect volumes

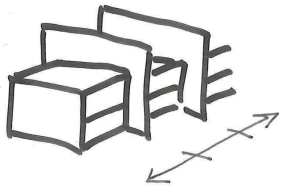


Increased weight



Additional structure

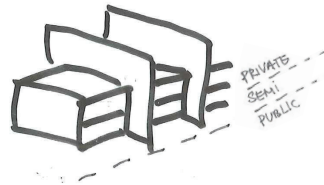
Concept



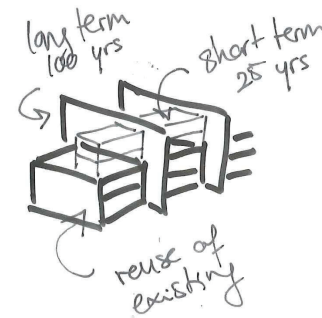
Continue existing grid



Infill structures



Horizontal zoning



Material lifespan



Vertical zoning

Organisation

Program

Overview

COWORK

Reception/Entrance

Common room

Eventspace

Flex workspace (membership)

Personal workspace (for rent)

Meetingrooms (4-8 persons)

Conference room

Print room

Car parking

ARTWORK

Reception/Entrance

Common room

Eventspace

Ateliers

(Craft) Workshop

Meetingrooms (4-8 persons)

Conference room

Print room

Car parking

THE COLLECTIVE

Minimal dwelling (living kitchen, bathroom, bedroom)

(Veggie) Garden

BBQ's

Living room (library + fireplace)

Dining room

Workspace

(Craft) Workshop

Eventspace

Waste management

Recycled goods

Laundrette

Car sharing

Cafe/Restaurant

Car parking

ADDED PUBLIC PROGRAM

Cafe/Restaurant

Car sharing

Car parking

Convenient store

Gym

Park

INTERESTING EXISTING PROGRAM

Aterlier Baan 50

Hoofdkwartier

NEN Xavier

Kool Ontwerpers

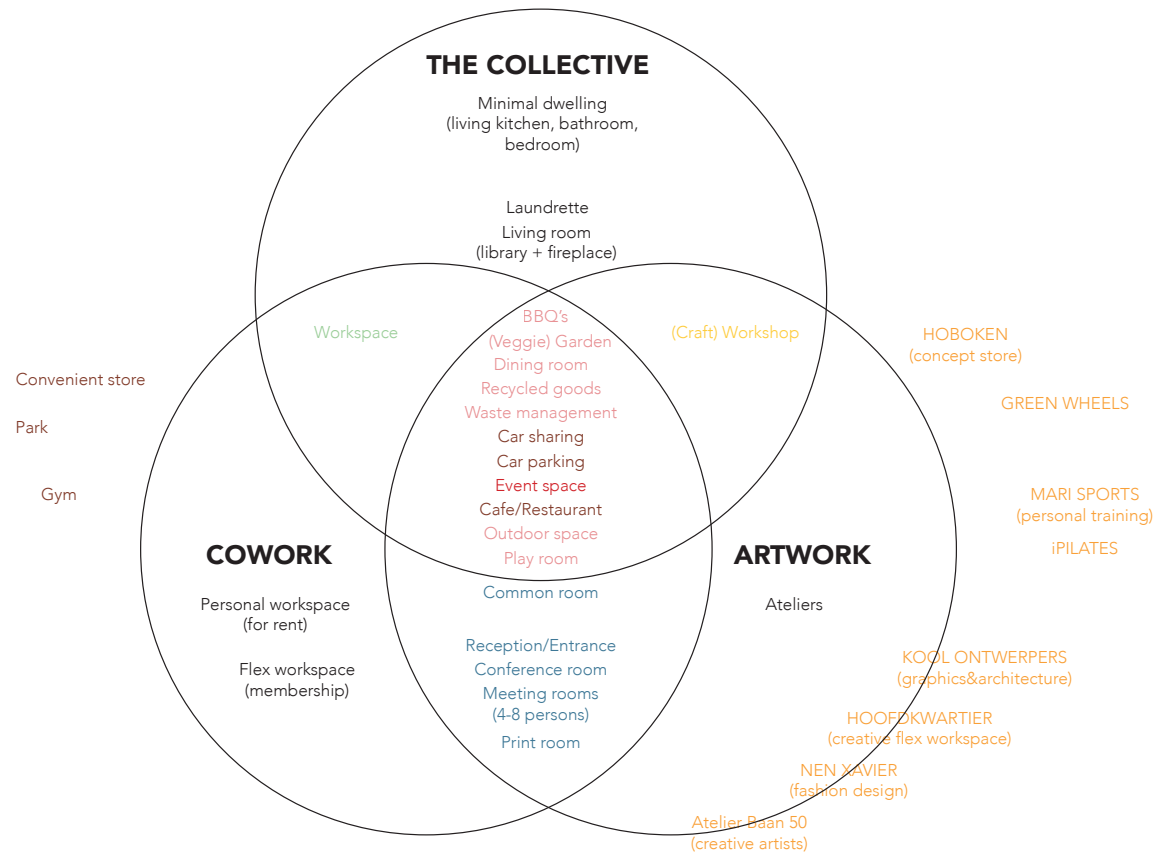
Hoboken (concept store)

Mari Sports

iPilates

Program

Program overlap



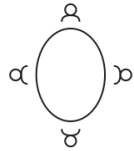
CoWork

Business concept reference

WHAT OUR MEMBERSHIP INCLUDES



Workspace



Conference Rooms



Online
Member Network



Benefits
and Discounts

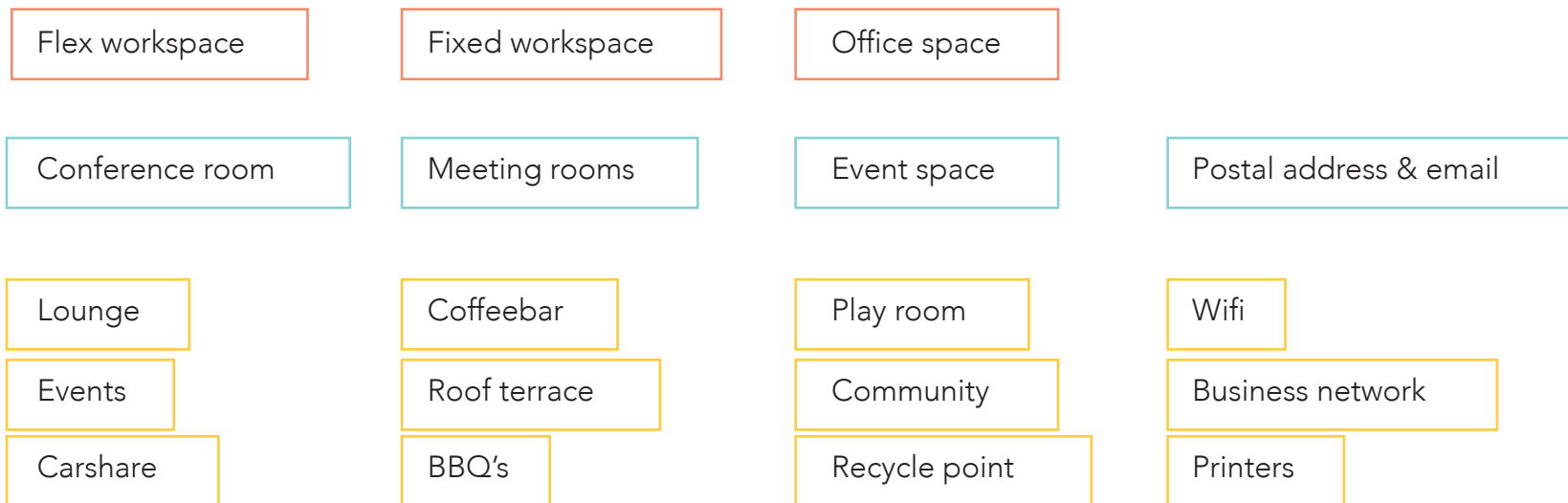


Weekly Events

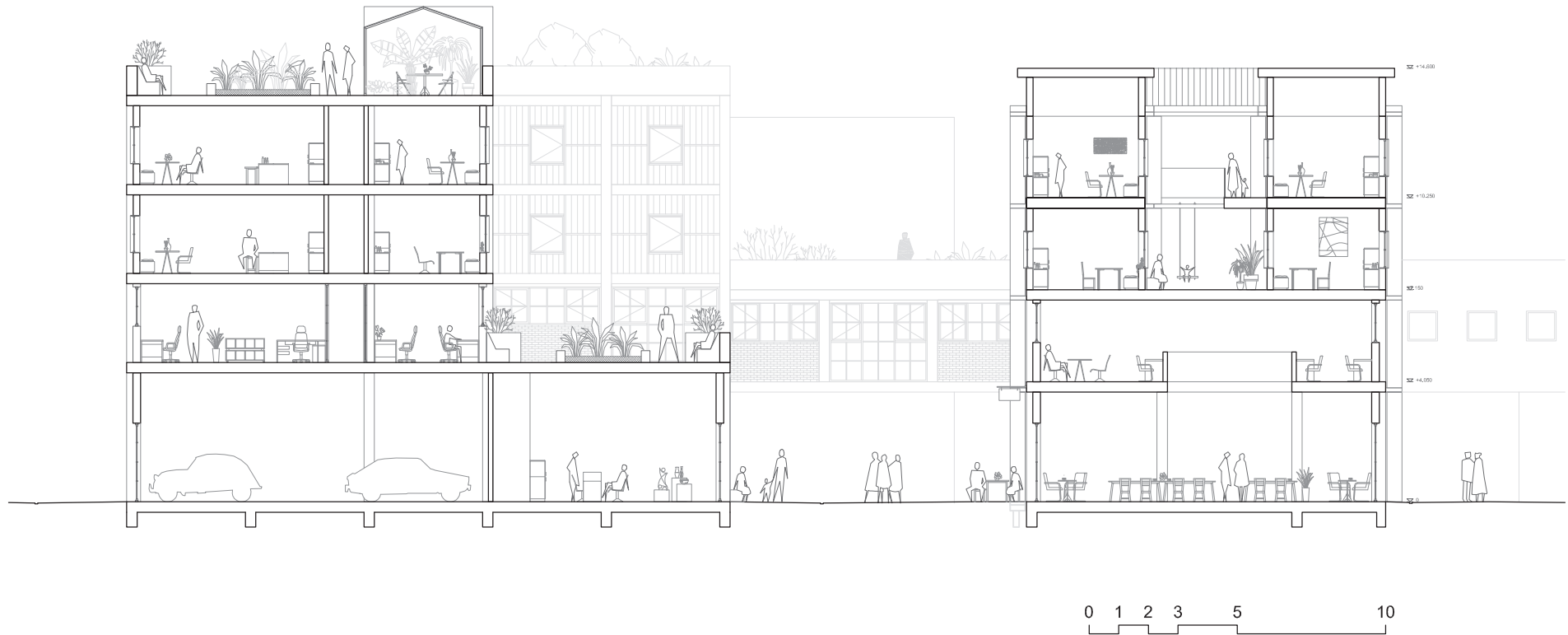
CoWork

Business concept

CoWork membership offers:

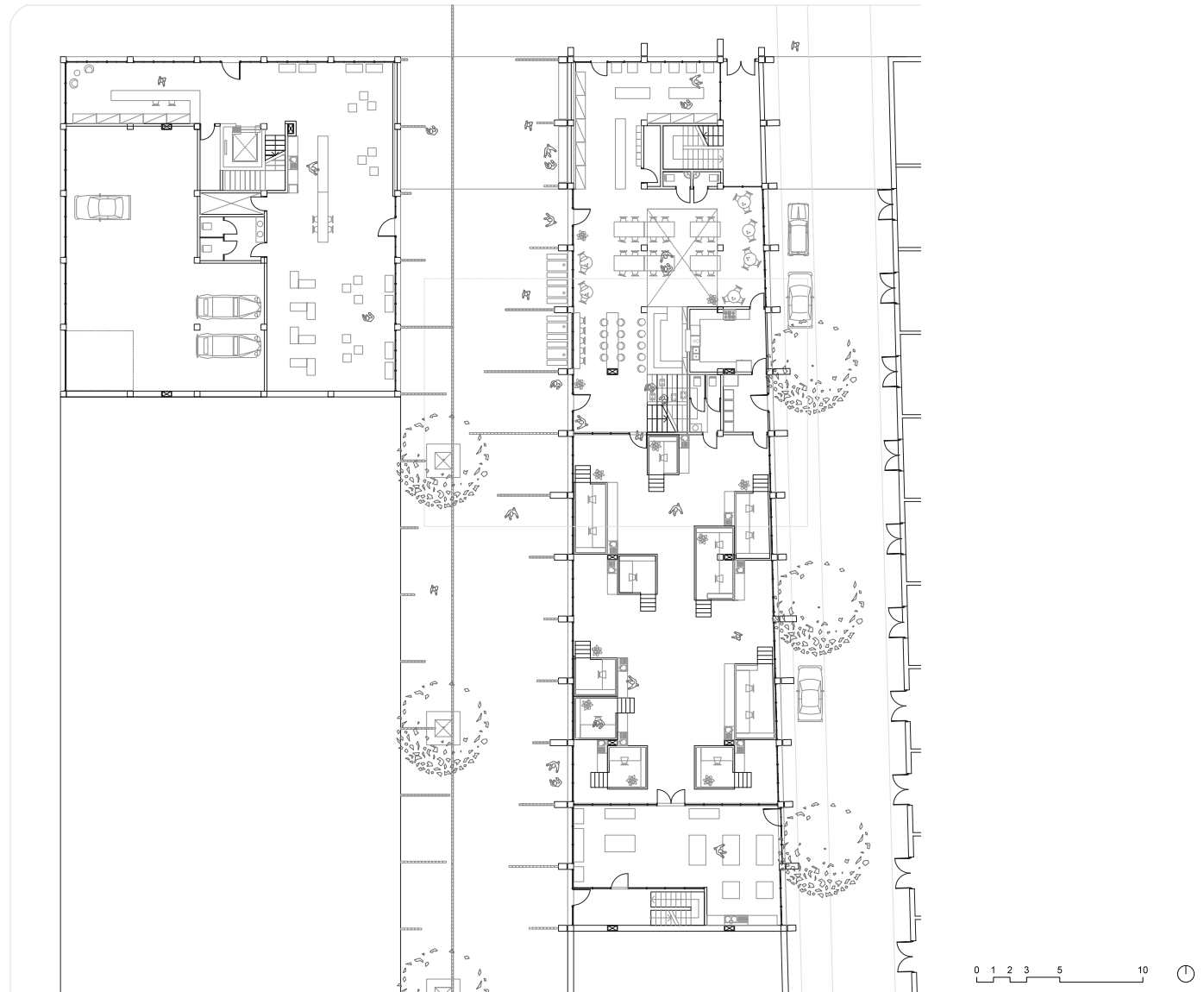


Section A



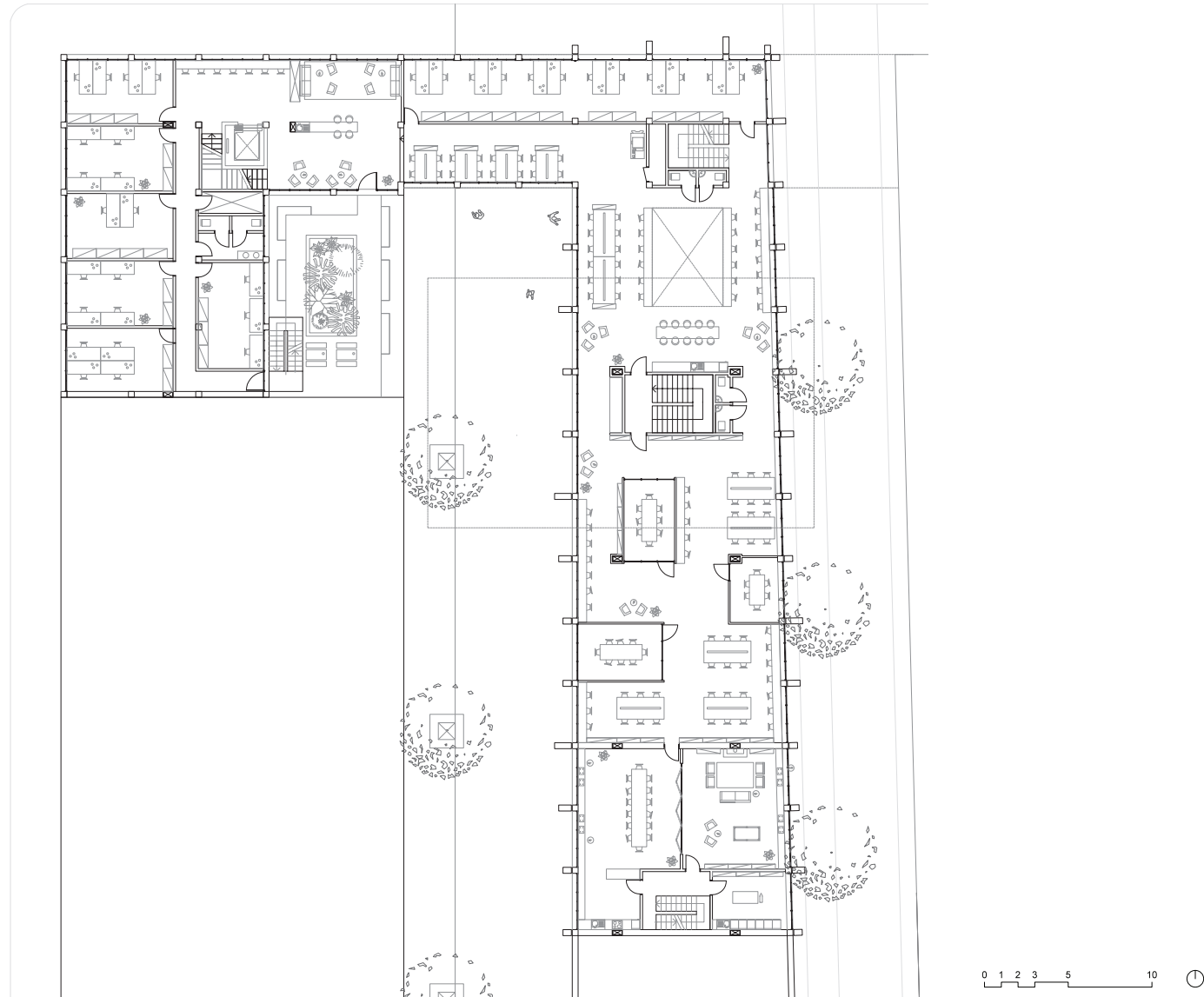
Plans

Ground floor



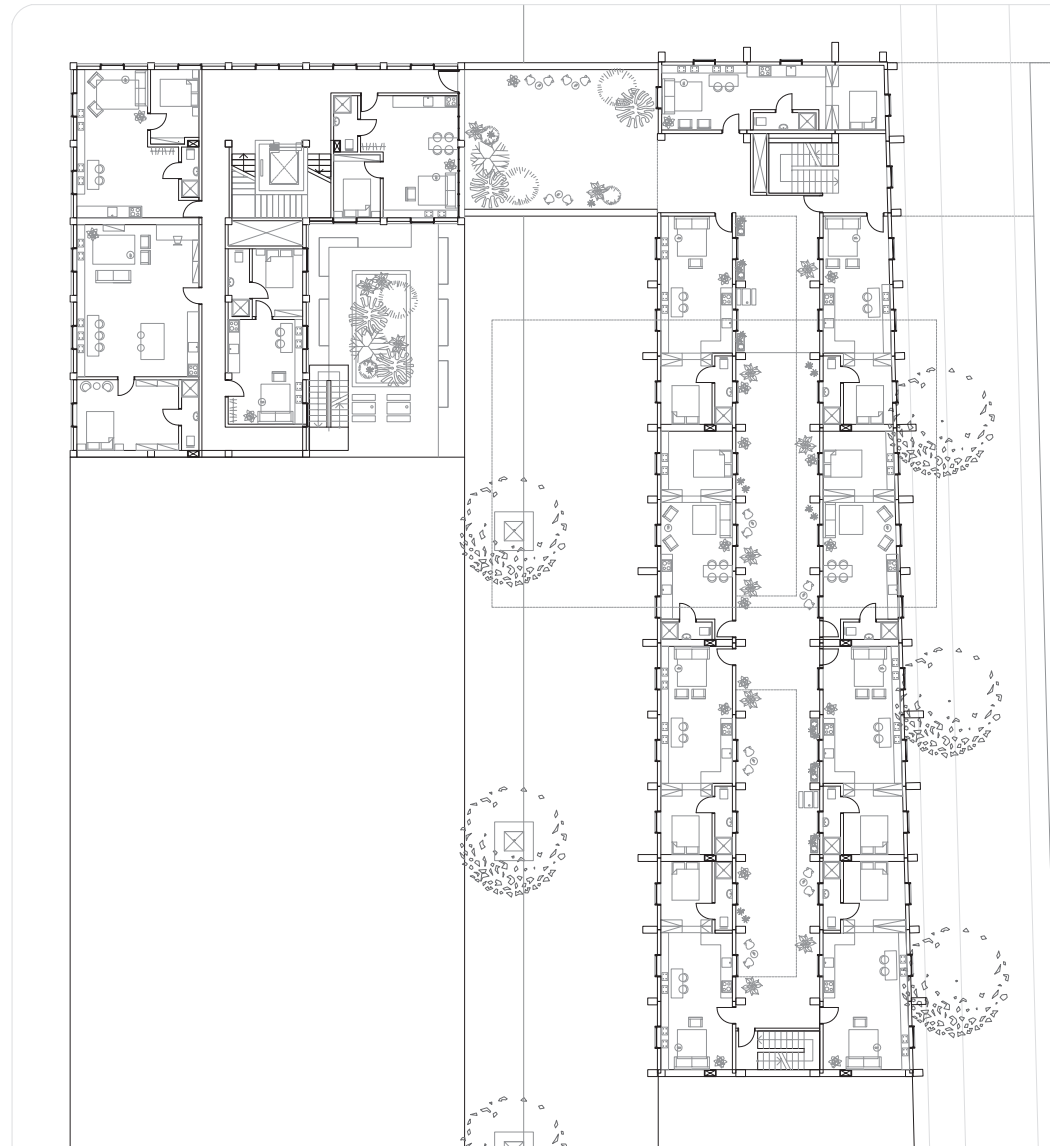
Plans

First floor

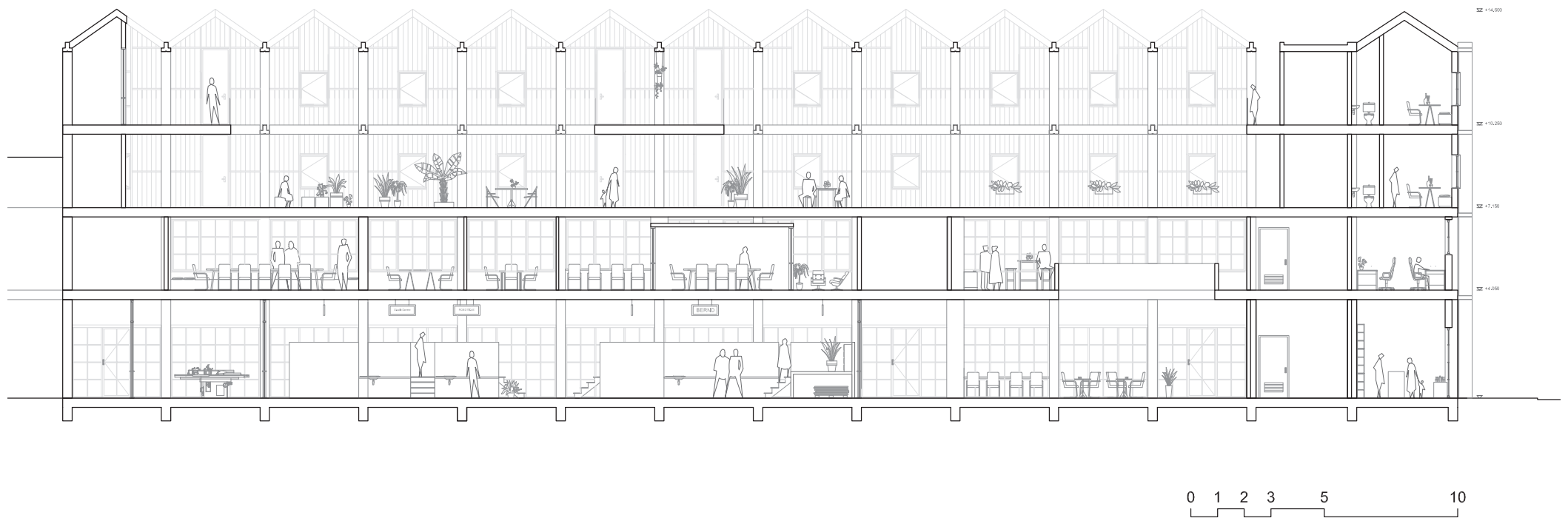


Plans

Second floor

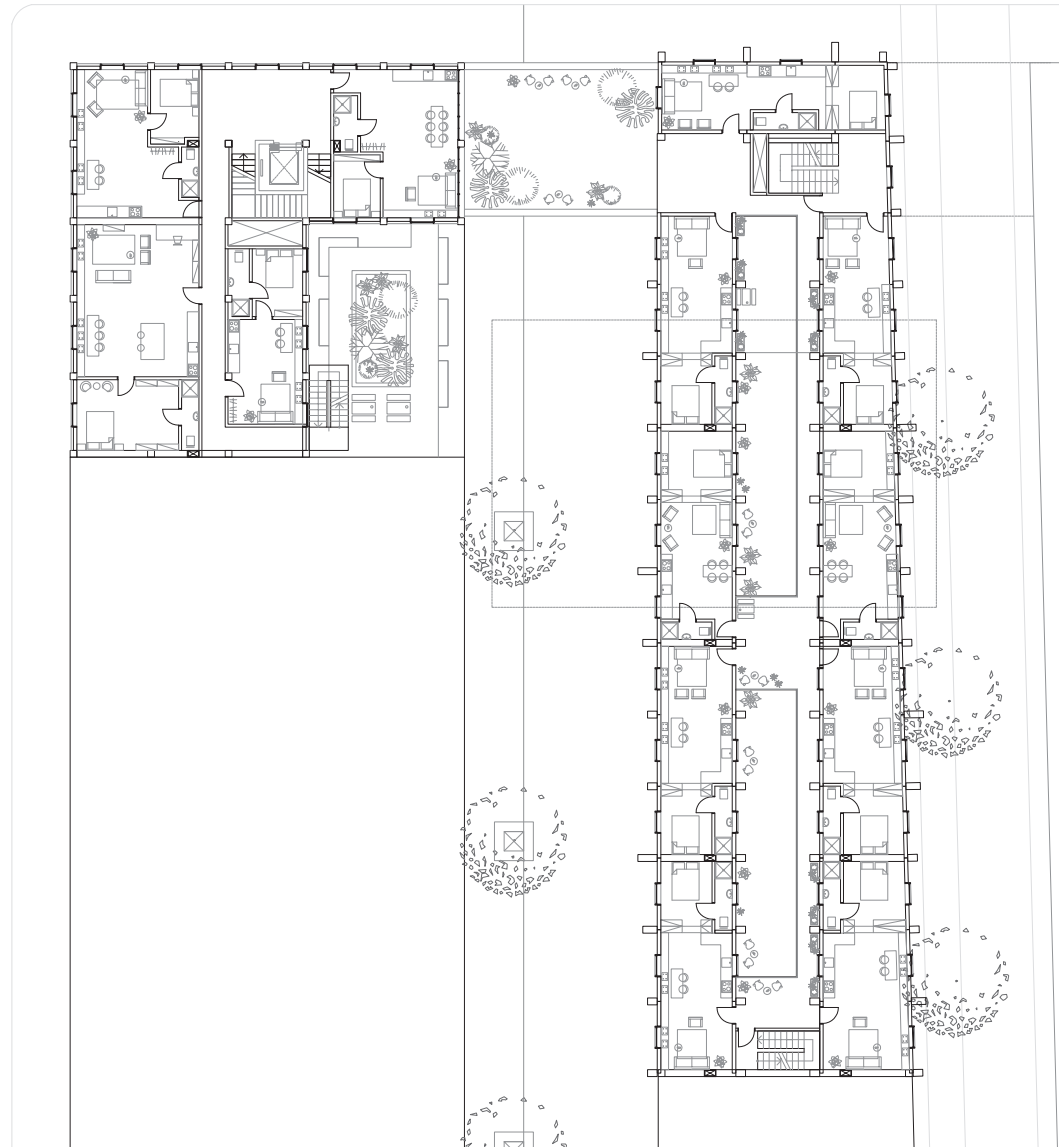


Section B



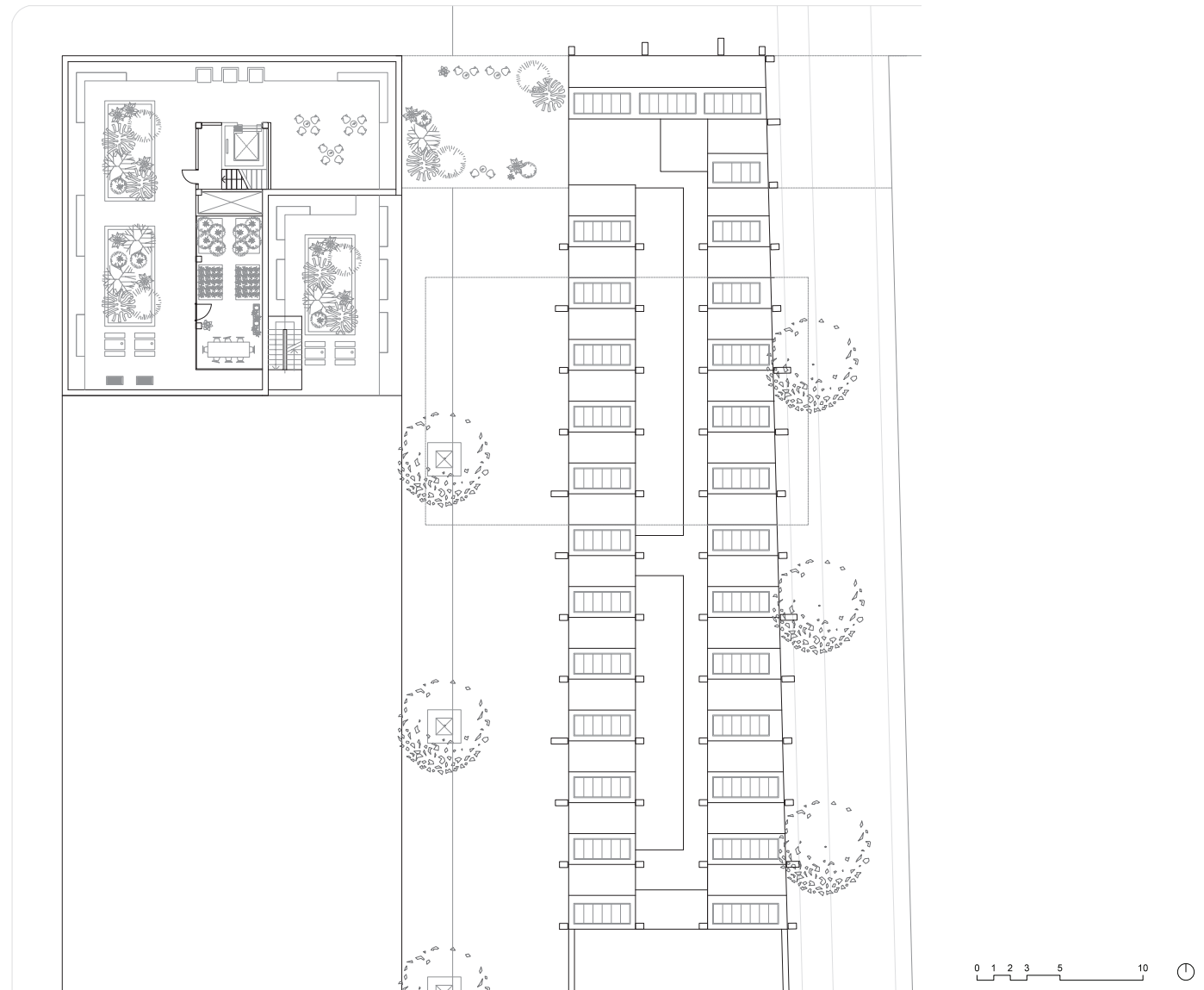
Plans

Third floor



Plans

Fourth floor



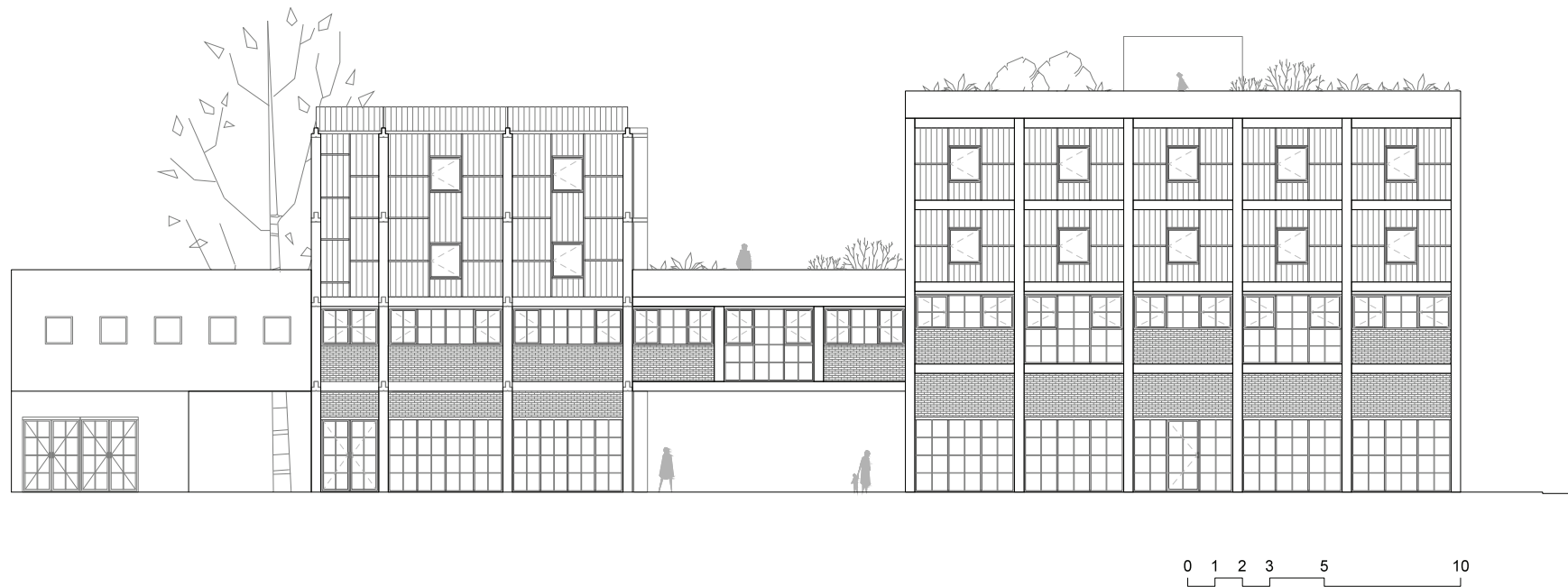
Impression

Elevated street



Materialisation

Elevation A



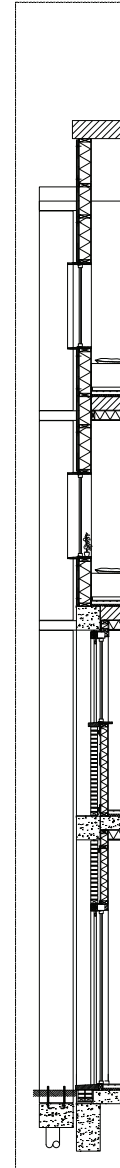
Elevation A



0 1 2 3 5 10

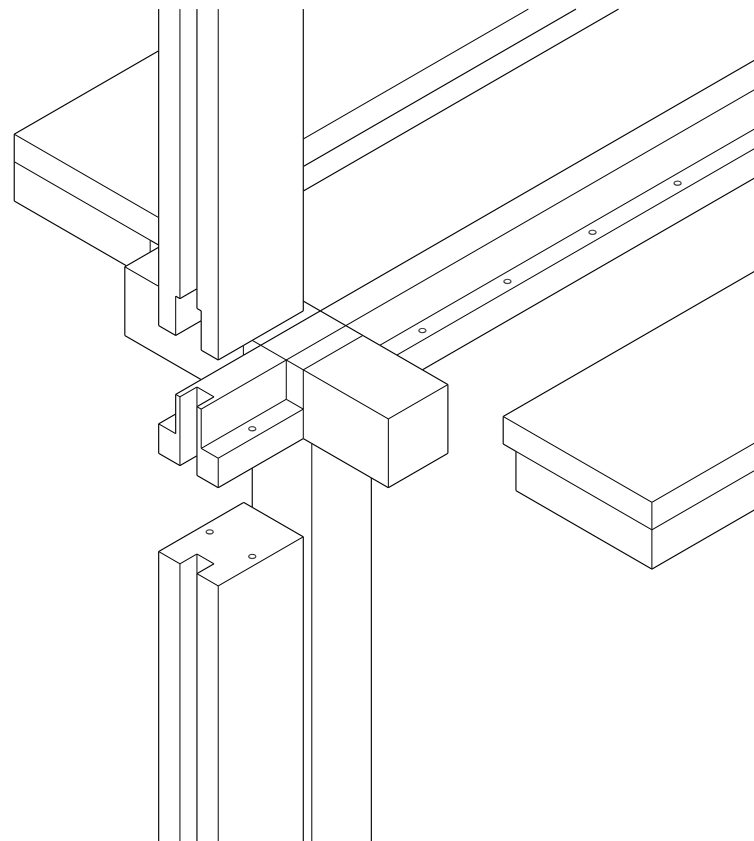
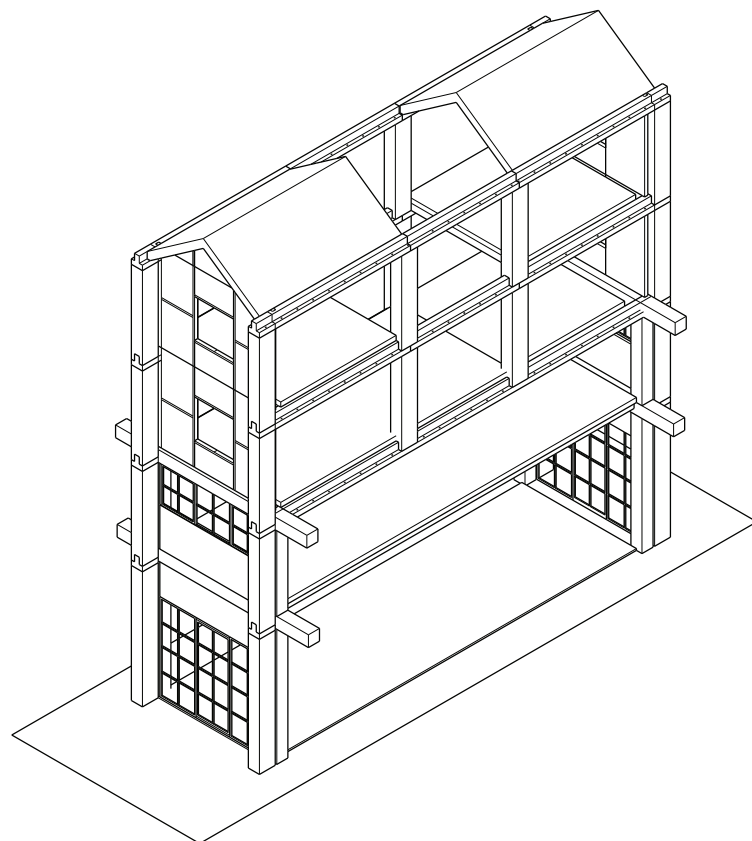
Materialisation

Facade



Structure

Building system



Structure

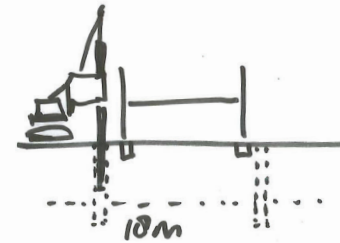
Building method



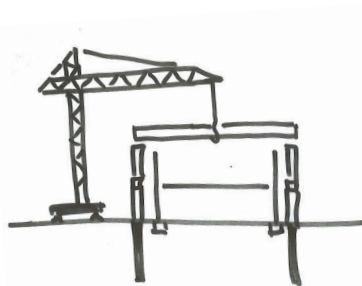
1. Existing situation



2. Demolish the different roof



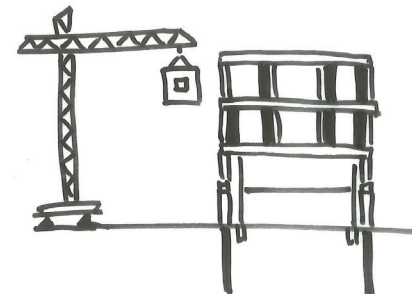
3. Prepare additional foundation



4. Place additional load bearing structure



5. Construct additional levels



6. Place prefabricated facades elements

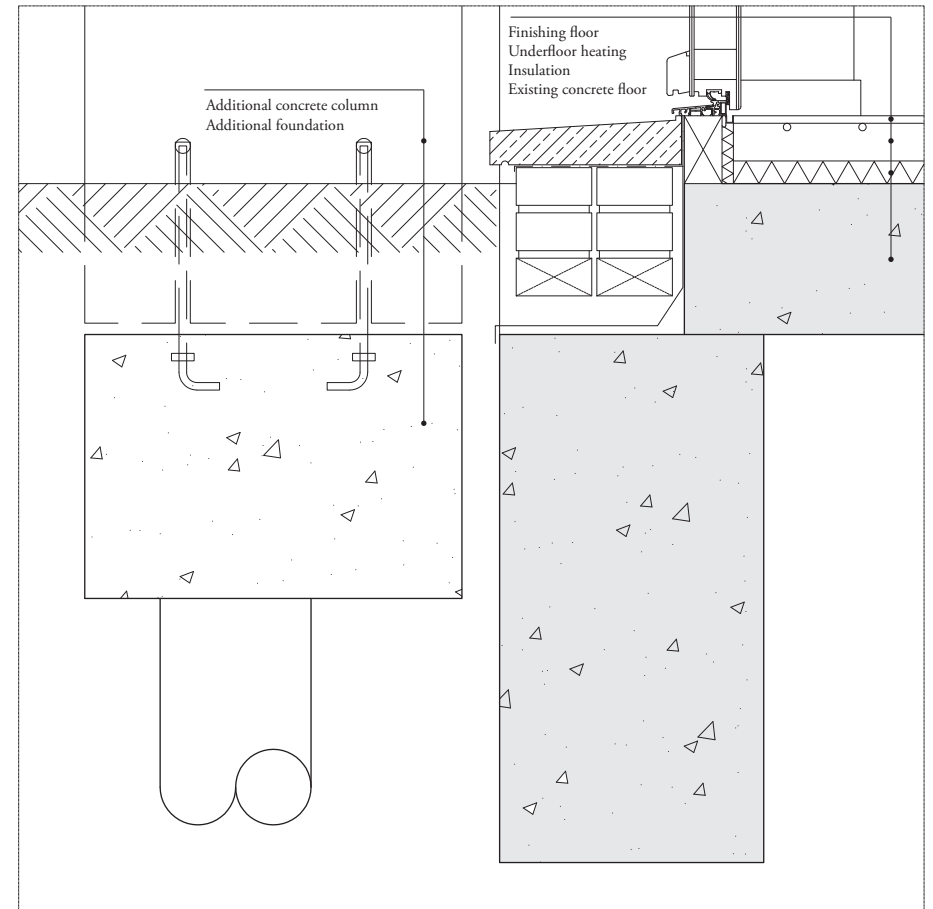
Impression

Additional structure



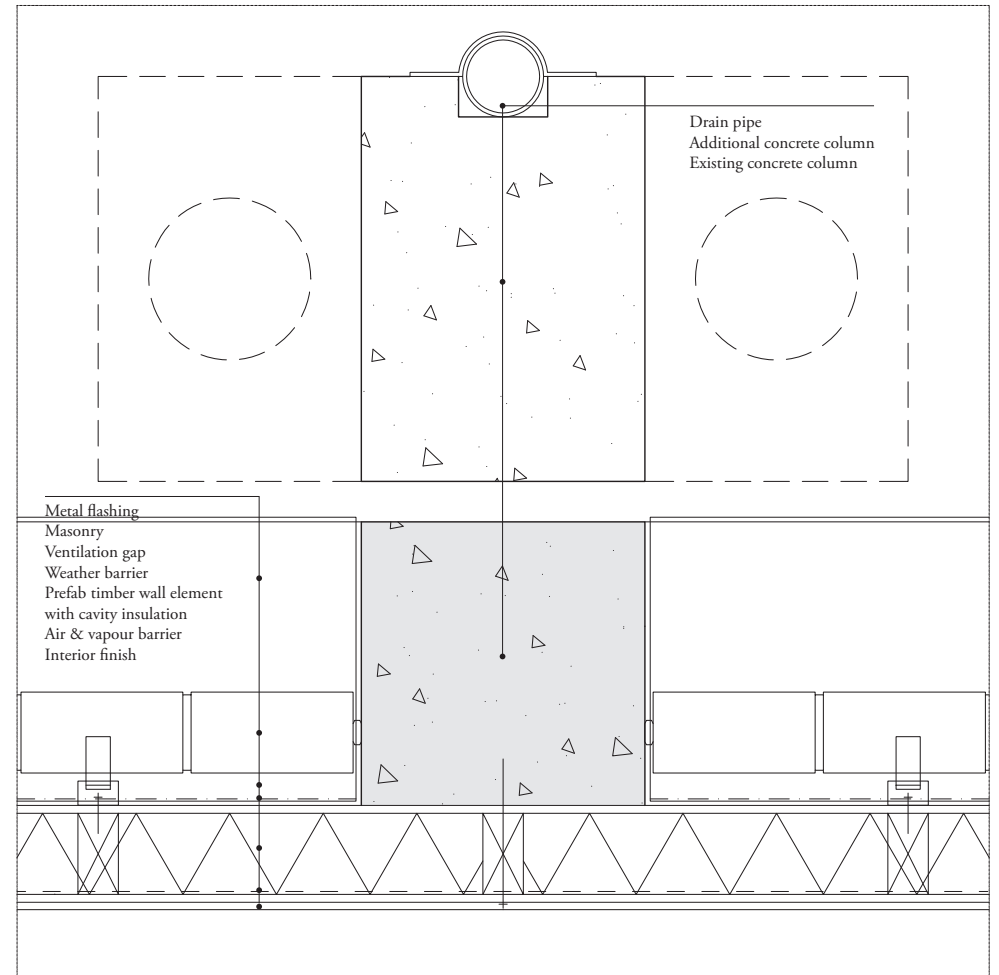
Detail A

1:5



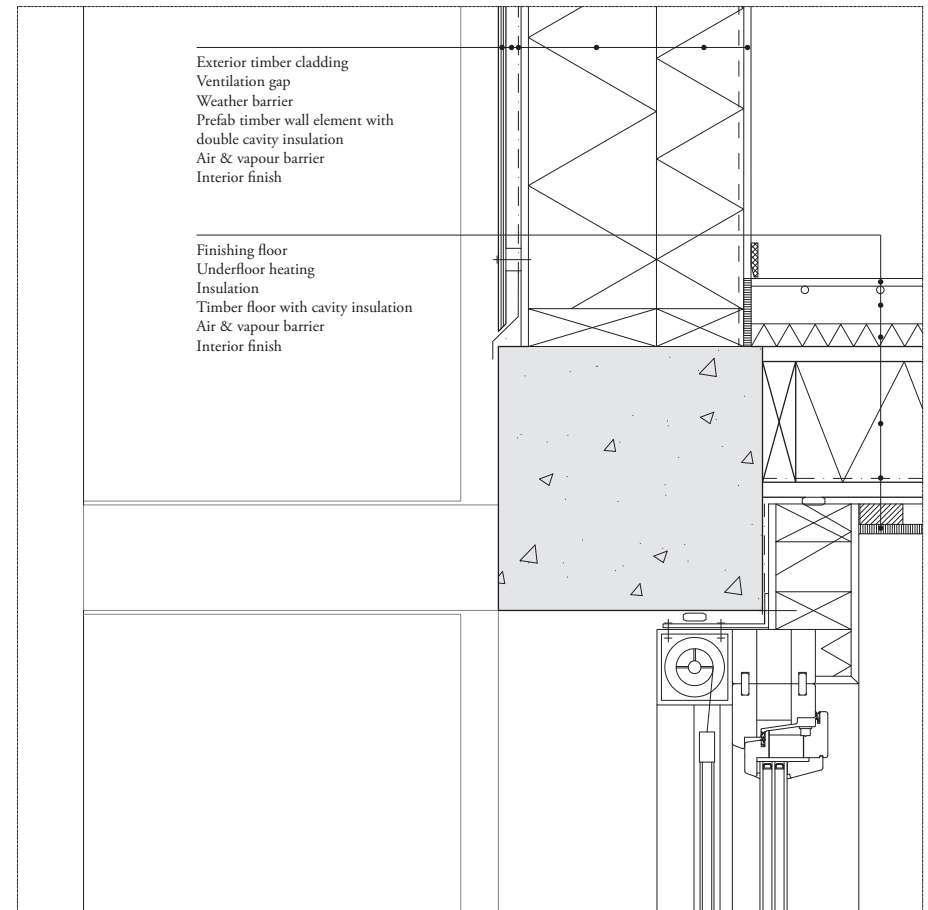
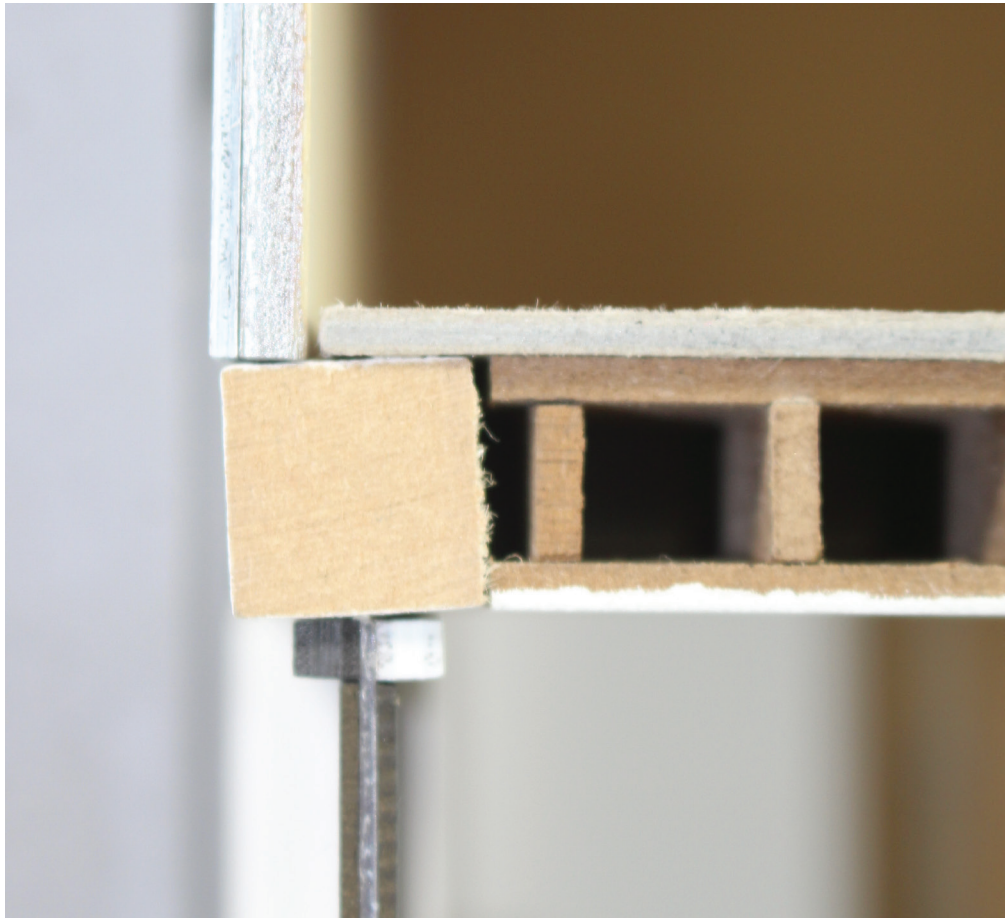
Detail B2

1:5



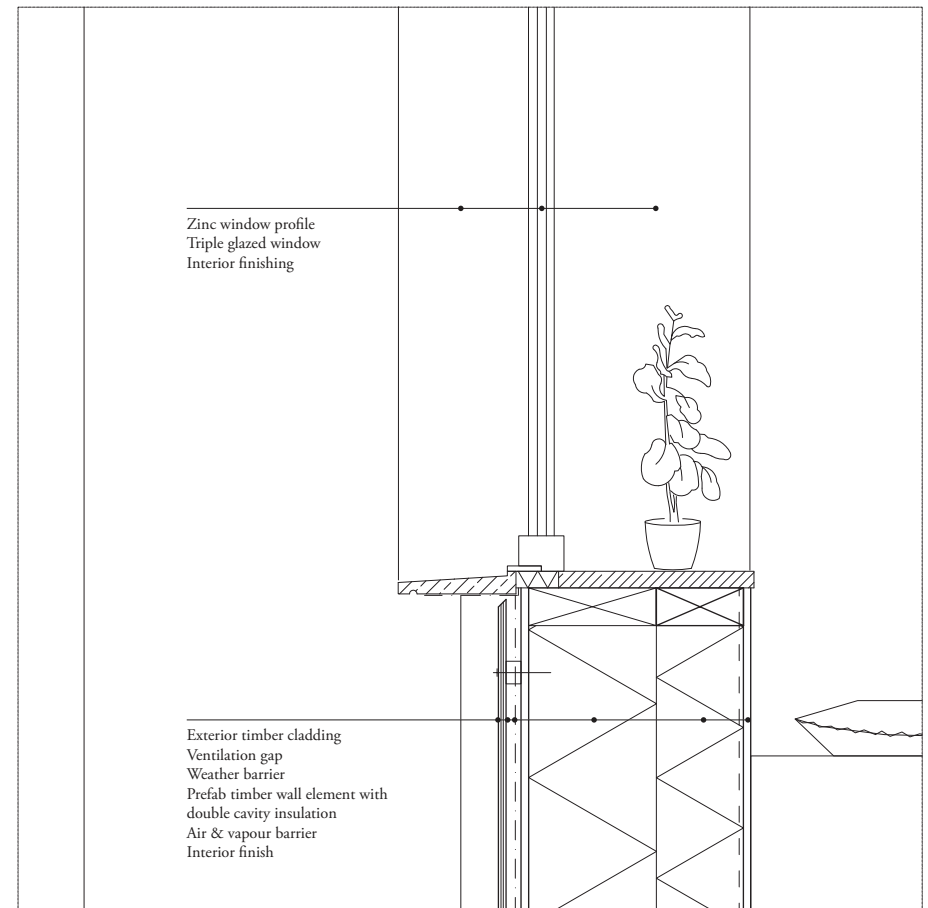
Detail D

1:5



Detail E

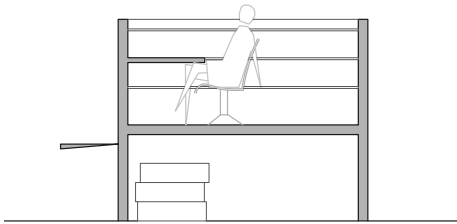
1:5



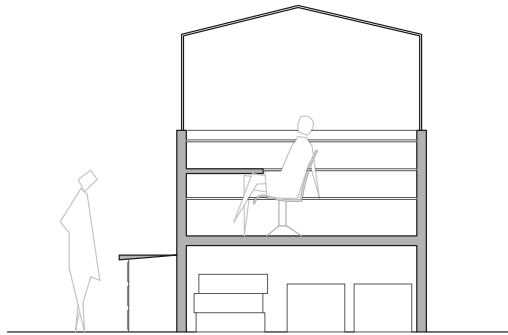
Interior

Expandable 'workislands'

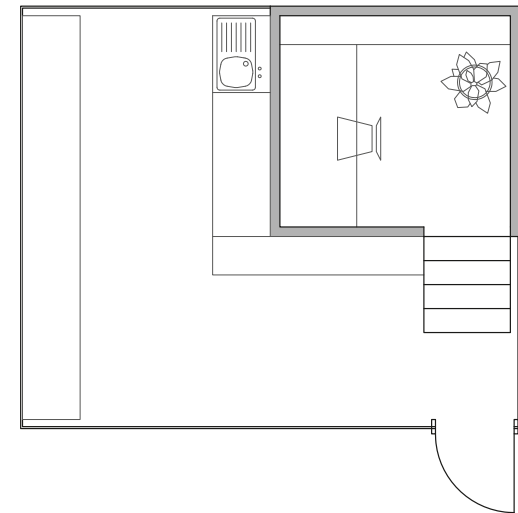
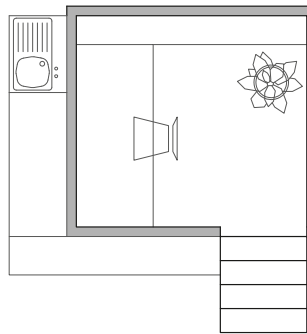
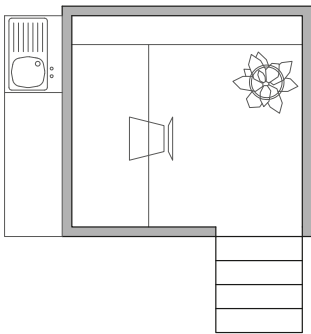
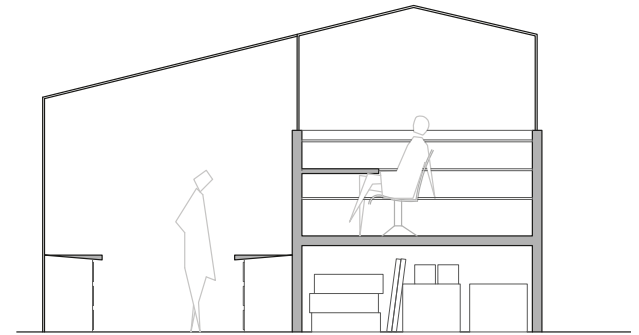
1.



2.



3.



Interior

Impression of the ateliers



Interior

Impression of the CoWork flexspace



Interior

Impression of a dwelling interior



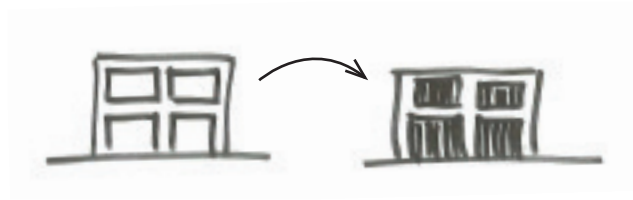
Interior

Impression of a dwelling interior



Sustainability

Re-use



Re-use of existing structures



Re-design with collected waste material



Recycle waste materials for new building elements



Second life cycle for discarded items

Re-use



Re-use of existing structures



Re-design with collected waste material



Recycle waste materials for new building elements



Second life cycle for discarded items

Social sustainability



Create a place for
encounter and exchange



Create events for
encounter and exchange



Stimulate community



Enhance social cohesion
and security



Integrate existing and new
users



Spark sustainable
awareness

Social sustainability



Create a place for
encounter and exchange



Create events for
encounter and exchange



Stimulate community



Enhance social cohesion
and security



Integrate existing and new
users



Spark sustainable
awareness

Optimisation



Renewable
materials



Recycle waste
materials



Orientation



High performance



Durability through
different lifespans



Adaptability in
various scales

Optimisation



Renewable
materials



Recycle waste
materials



Orientation



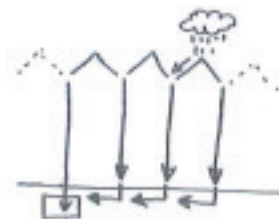
High performance



Durability through
different lifespans



Adaptability in
various scales



Optimisation

Through sharing



Space



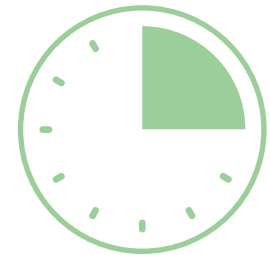
Environment



Finance



Social opportunities



Time

Use over time

Impressions
Day



Impressions
Afternoon



Impressions
Evening



Impressions
After 10 years



A black and white photograph of a park scene, likely Paley Park in New York. The image shows people sitting at tables and walking along a path, surrounded by trees. A large white rectangular box is overlaid on the center of the image, containing the word "RECAP" in a bold, orange, sans-serif font.

RECAP

Translation

Research to design

Research

Goals

1. Territoriality

Design

Tools

Materialisation *Boundaries*
Hierarchy *Privacy zoning / Contrast*
Intimacy *Sense of belonging / Familiarity / Appropriation*

2. Multiplicity

Program *Activities / Users*
Time *Usage / Organisation*
Form *Accommodative potential / Affordances*

3. Accessibility

Transparency *Visual connections / Views*
Apertures *Physical connections / Transition / Interaction*
Routing *Guidance / Sequence / Encounters*

Translation

Research to design

Research

Goals

1. Territoriality

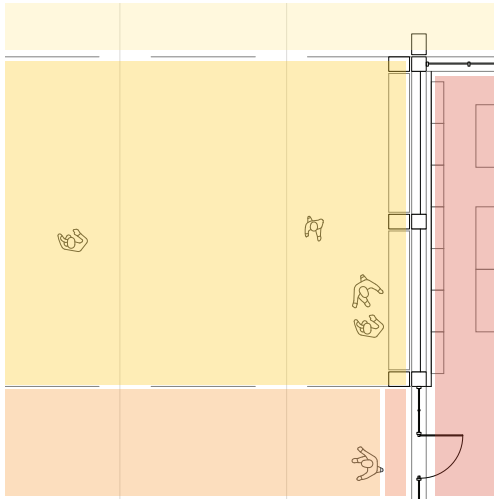
Design

Tools

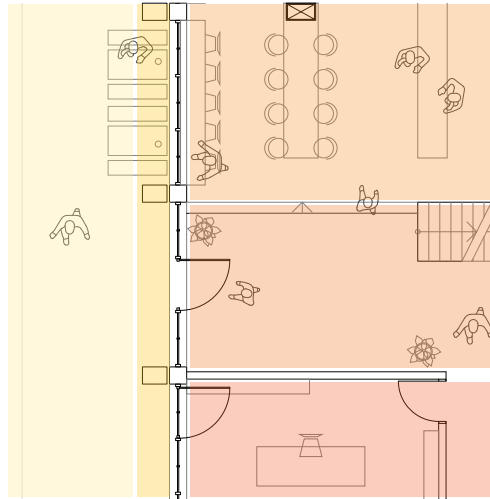
Materialisation	<i>Boundaries</i>
Hierarchy	Privacy zoning / <i>Constrast</i>
Intimacy	<i>Sense of belonging / Familiarity / Appropriation</i>
2. Multiplicity	
Program	<i>Activities / Users</i>
Time	<i>Usage / Organisation</i>
Form	<i>Accommodative potential / Affordances</i>
3. Accessibility	
Transparency	<i>Visual connections / Views</i>
Apertures	<i>Physical connections / Transition / Interaction</i>
Routing	<i>Guidance / Sequence / Encounters</i>

Recap

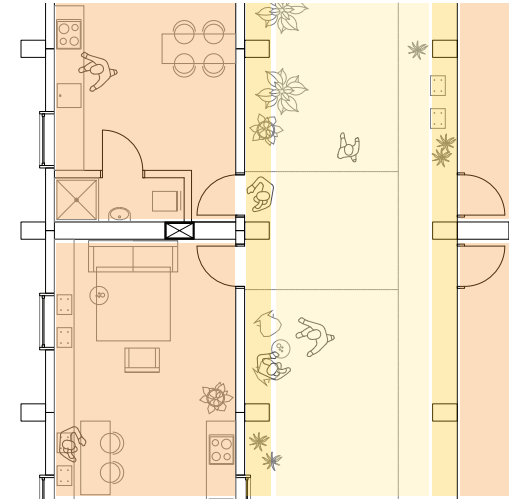
Territoriality - zoning



Into the neighbourhood



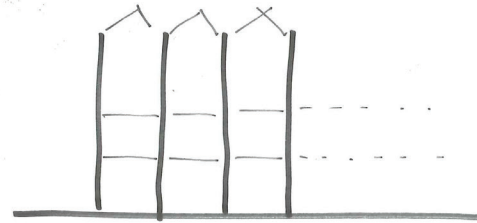
Into the building



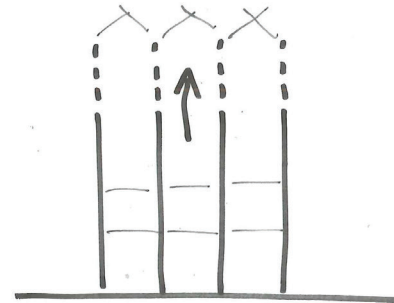
Into the dwelling

Recap

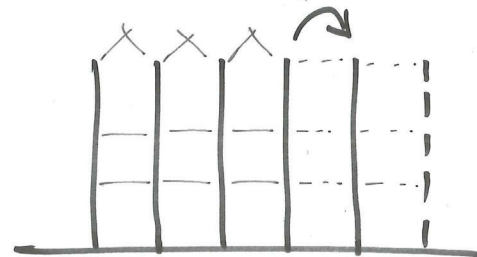
Multiplicity



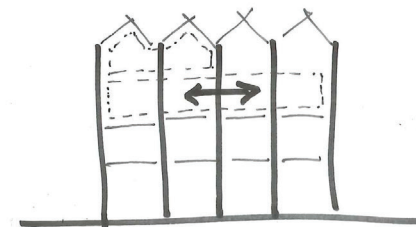
additional system



expand vertically



expand horizontally

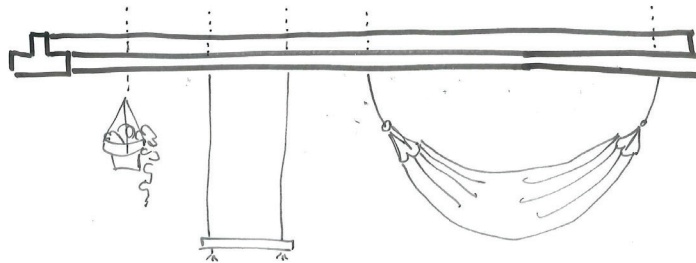


expand within system

Polyvalent building system - *easily expandable*

Recap

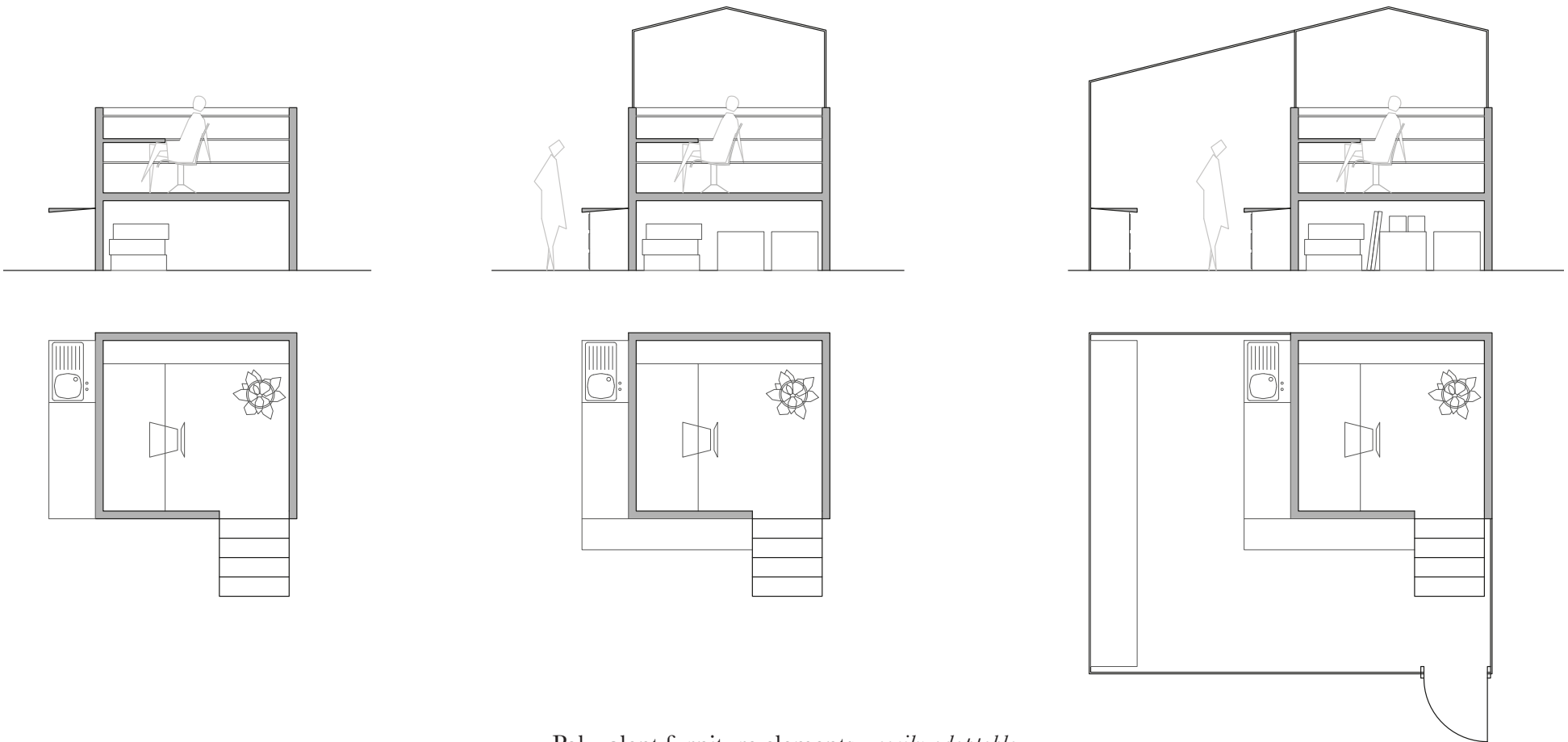
Multiplicity



Appropriation - *inviting through form*

Recap

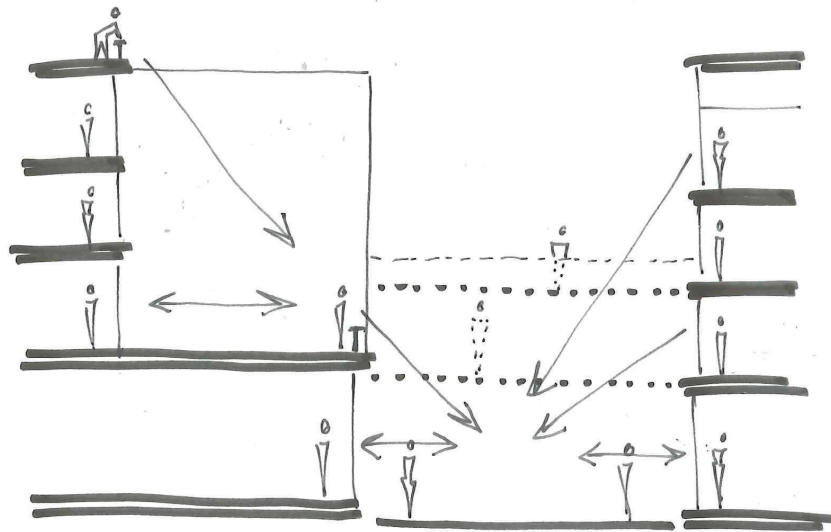
Multiplicity



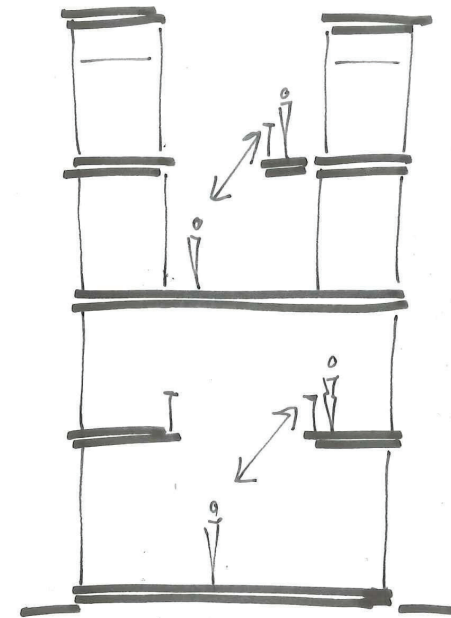
Polyvalent furniture elements - *easily adaptable*

Recap

Accessibility



Outside

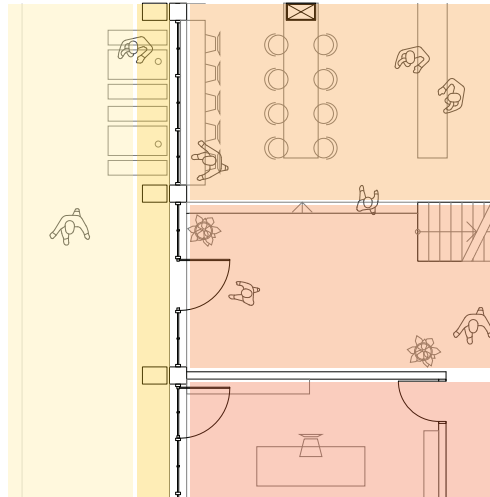


Inside


Visual connections - 'eyes on the street'

Recap

Accessibility




Enhance chance encounters through routing



'Happiness is only real when shared'

- Christopher McCandles



'Happiness is only real when shared'

- Christopher McCandles

Questions?

I would not have survived without:

*Benjo
Geerte
Keimpke
Inez
Steef
Tiwanee
Martina
Milou
Elin
Rox
Carsten
Domi
Tom*

Reference initiatives

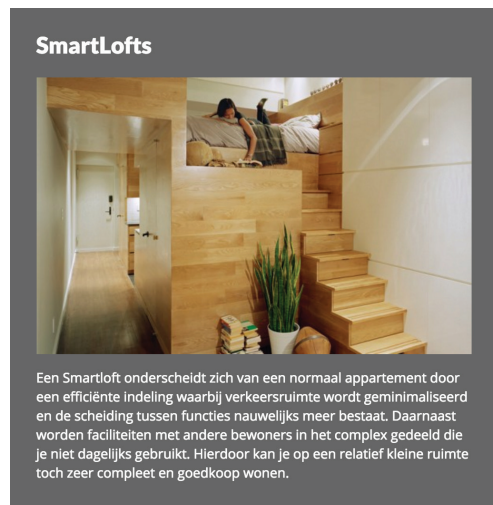
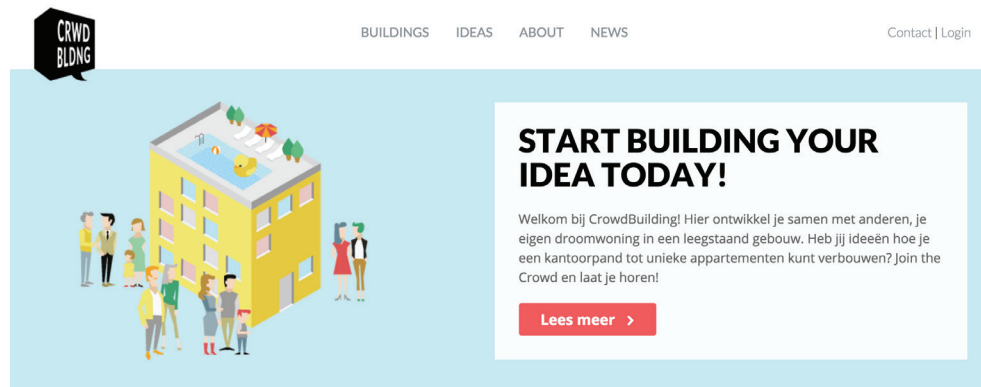


Fig. 48: Crowdbuilding (crowdbuilding.nl)

Wij geloven dat het anders kan!

CrowdBuilding is een initiatief van space&matter, Blauwhoed en OPEN Development. Drie partijen die weten dat het anders kan en er alles aan doen om nieuwe ideeën werkelijkheid te maken. Transparant, open en samen bouwen aan een nieuwe woonwereld.

Op CrowdBuilding brengen we woningzoekers, gebouwen en architecten samen om mooie nieuwe leefomgevingen te creëren waar iedereen blij van wordt. Architectuur gaat wat ons betreft over meer dan het gebouw. Het gaat over woonvoorkeuren, activiteiten die je graag in en om je huis doet en voorzieningen die je met anderen kunt delen. Vandaar dat mensen elkaar kunnen vinden door het delen van hun 'idees'. Zo worden woonvoorkeuren zichtbaar en deel je interesses met je burens. Hiermee ontstaat verbondenheid en een nieuw gebouw dat in de bestaande sociale structuur van de gemeente past. Wij hebben er heel veel zin in om dit idee met heel Nederland van de grond te krijgen. We zien jouw ideeën en voorkeuren dan ook graag op deze site!

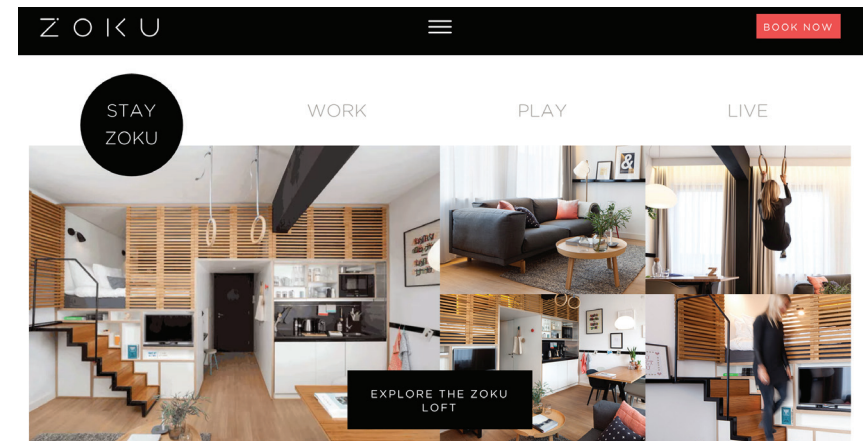


Fig. 49: Zoku: long stay hotel for global nomads (livezoku.com)



Fig. 50: De Ceudel: sustainable incubator (modernehippies.nl)

Appropriation

