

Introduction

Shipyards were at the heart of the productive cities of the past. Most have been transformed into hubs that fit the means of production in the decentralized, networked internet of things reality of today. The Bijlmer and Gaasperdam have had a long tradition of informal entrepreneurship that was closely linked to the personal dwelling as for instance barbershops in the storage spaces, small catering businesses from home. Some of these outgrew the home and became household names in this unique Amsterdam neighborhood.

The Bijlmer Yards project deals with the notion of contemporary production by intertwining it with the personal dwelling. As affordable housing is under pressure, the architecture of Bijlmer Yards combines raw, unfinished and compact units with shared spaces available on demand for production means. Residents can carry out productive activities in the courtyards, by renting necessary spaces based on available square meters. The flexible setup al-

lows the appropriation of space in relation to their needs. Below the courtyards there are parking spaces and storages for e-businesses, where exchange and distribution of the created goods can take place, while the gardens on top add a new layer of production to the project. The courtyards are surrounded by additional production spaces that can be rented by new external businesses for longer time cycle, which can attract new professionals and visitors.

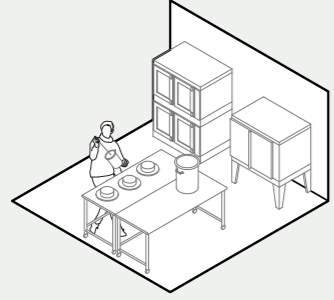
Bijlmer Yards re-programs the current typology of courtyards and offers to re-frame it for local production activities. The site strategy acknowledges the existing production in Amsterdam H-Buurt, and enhances it by offering dynamic and inspiring spaces for these activities to happen in an effective way. The project proposes the continuation of courtyards throughout the neighbourhood, in order to increase quality and quantity of production, and as a result to provide more inviting and appealing environment for residents and visitors.

Who are we designing for?

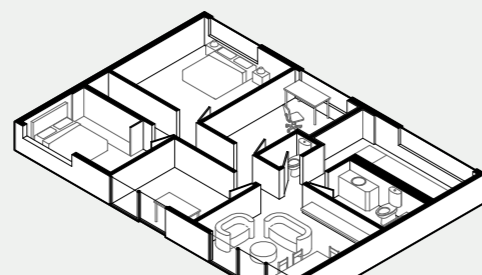
Before starting with the design, interviews were made with the current residents of Amsterdam Zuidoost, and according to the outcome of the research, we designed three types of apartments in 3 modular units for diverse mix of future residents.



Janice Milan
65 years old, has a small bakery business



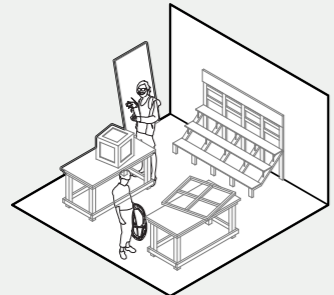
Uses 15 sqm of the productive courtyard space, where she has two ovens and a working counter.



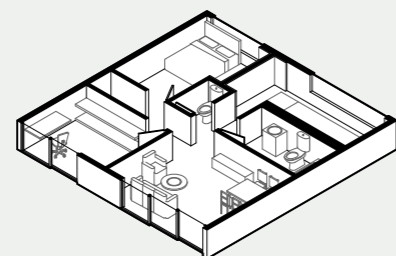
She lives with her son, her daughter in law and two grand children. They live in a 3 bedroom apartment.



Ayse Hazar and Friso Kooijman
35 and 37 years old, have a 2 year old son, and their own wood furniture design business



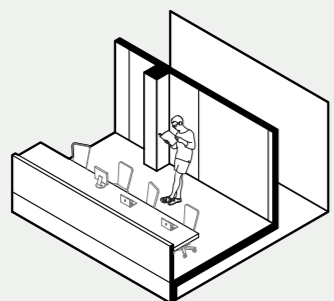
Use 25 sqm of the productive courtyard space. They installed their own wood cut machines and desks to work.



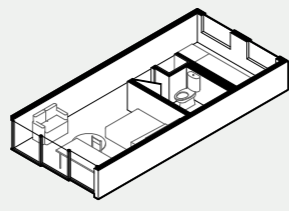
They live in a two bedroom apartment in the larger courtyard building.



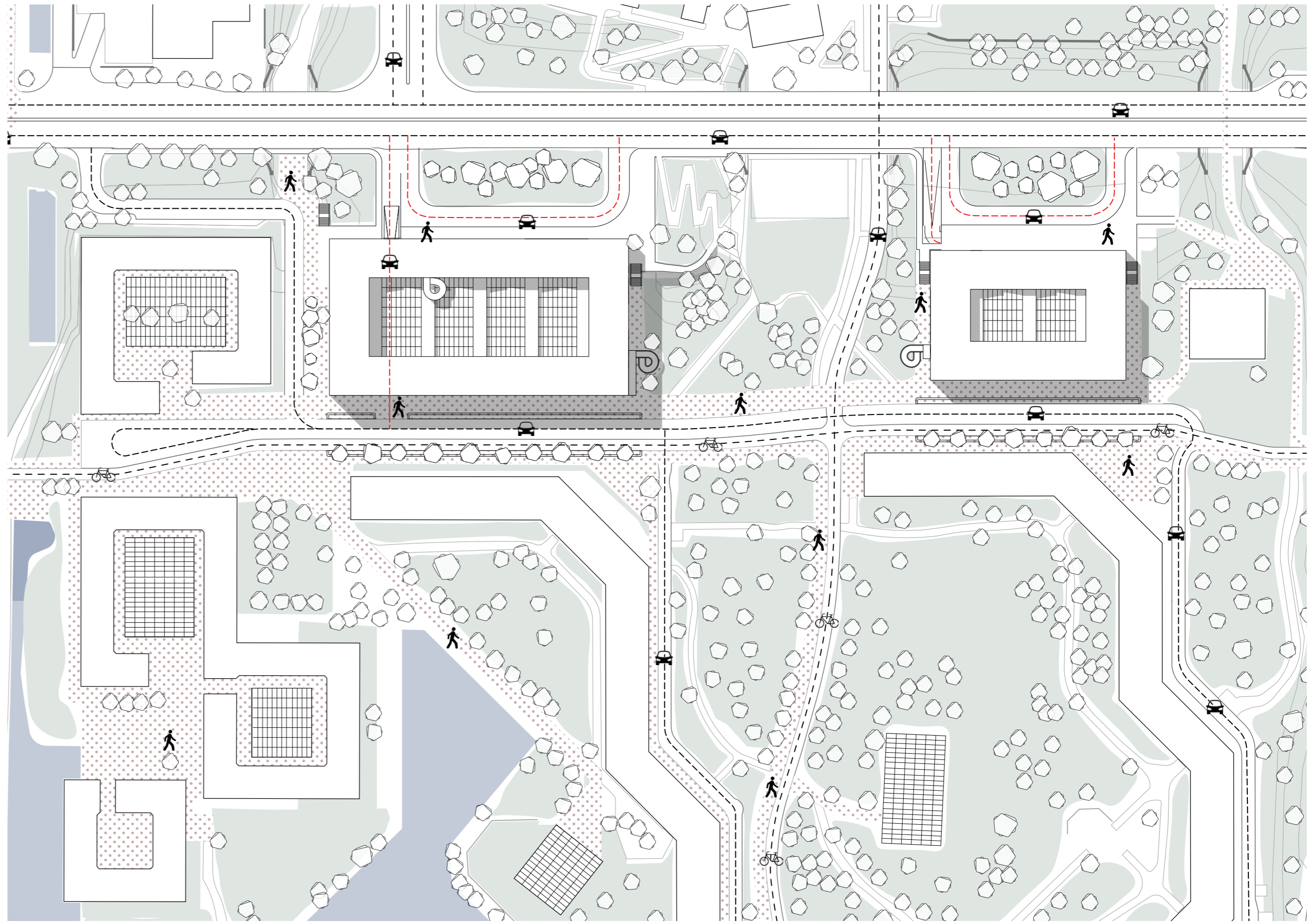
Sangiorgio Dallajee,
23 years old, small creative business owner



Uses 4 sqm of the co-office space inside the productive courtyard. He works with his computer together with other creative professionals.

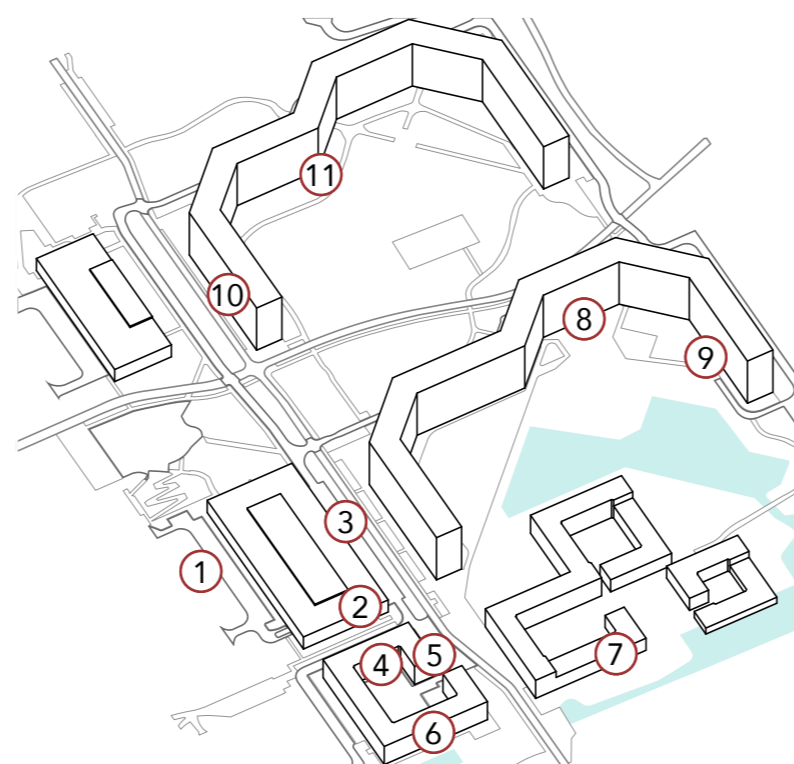


He lives on his own in a studio apartment in the small courtyard building.

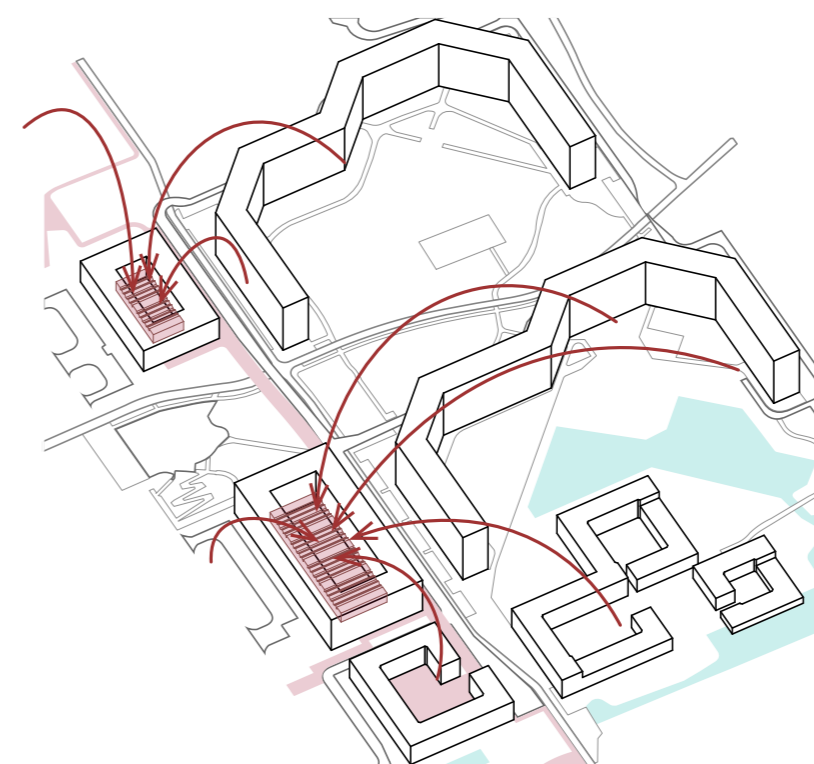


Situation Scale 1:1250 0 12,5 50m

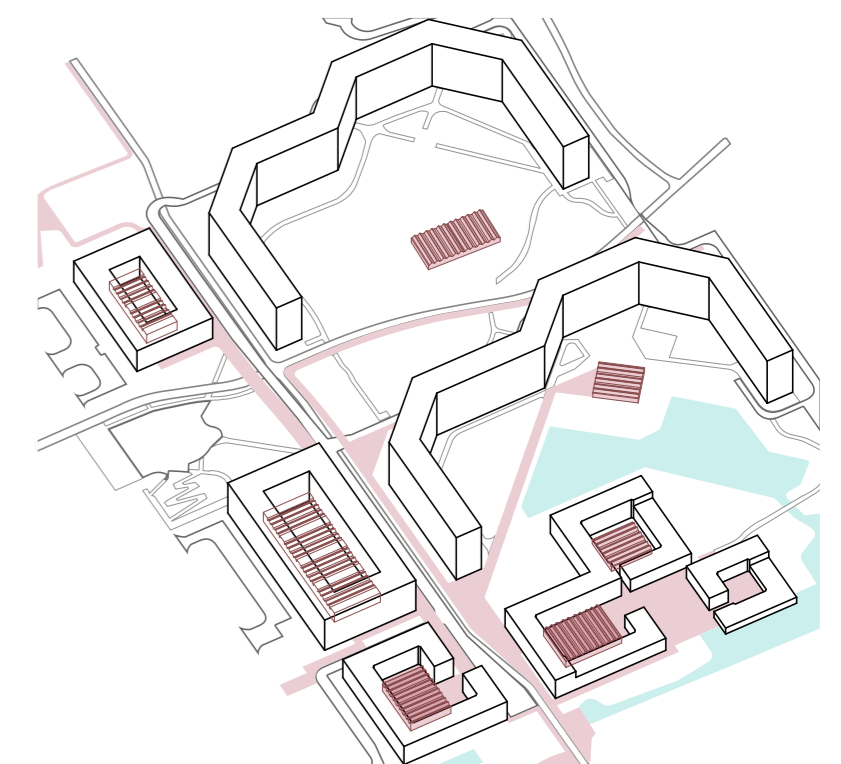
Project Strategy



1. Existing Production in H-Buurt
Car wash (1), Bakery (2), Auto workshop (3), Creative studios (4), Cafe (5), Community center (6), Wood workshop (7), Bar (8), Bike workshop (9), Creative studio (10), Cafe (11), Cook shop (12)



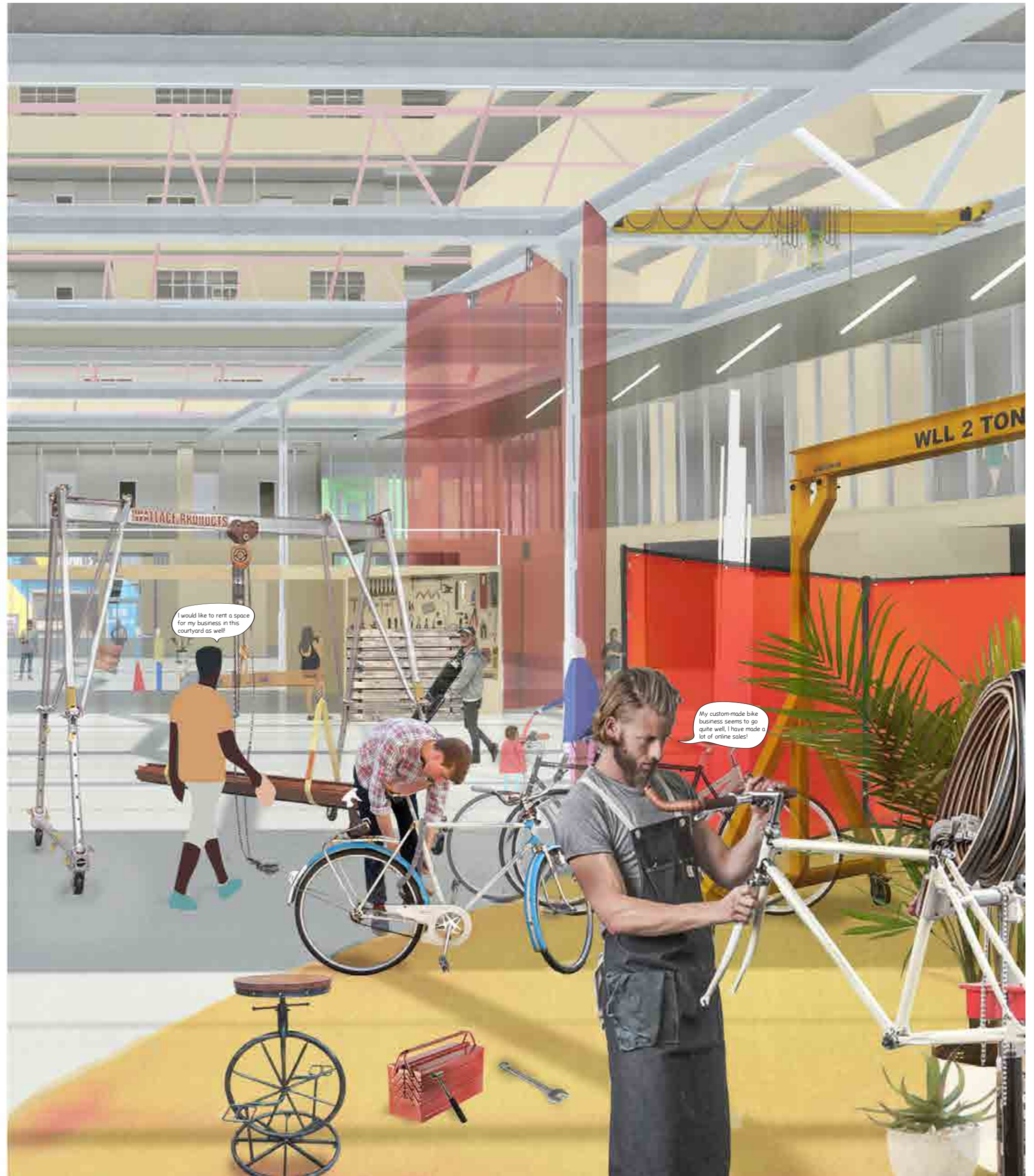
2. Enhancing the existing production by creating space for productive activities in the courtyards of the project.



3. Following this model by adding more productive yards in H-Buurt to enhance overall production.

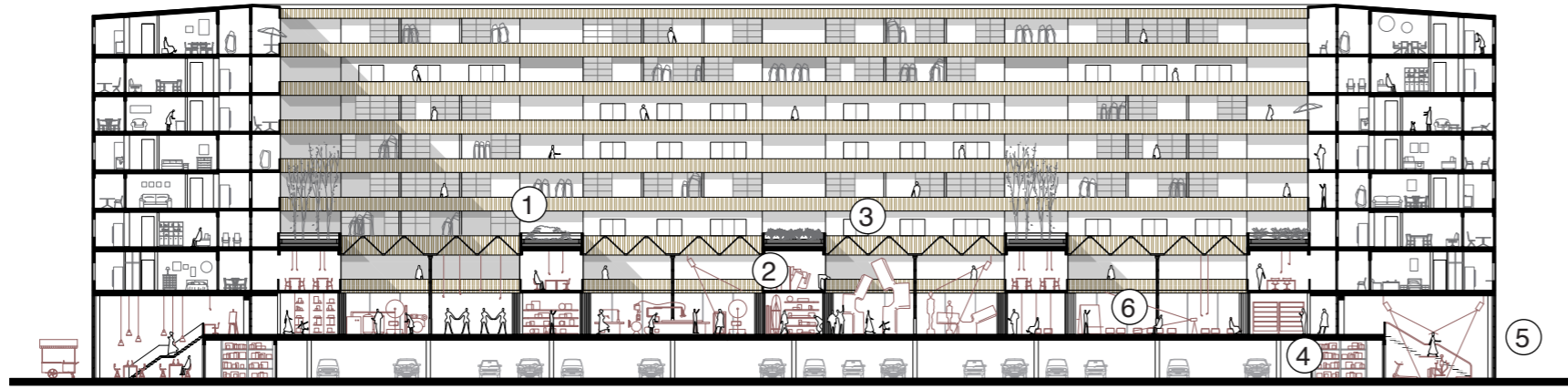


Aerial view new situation

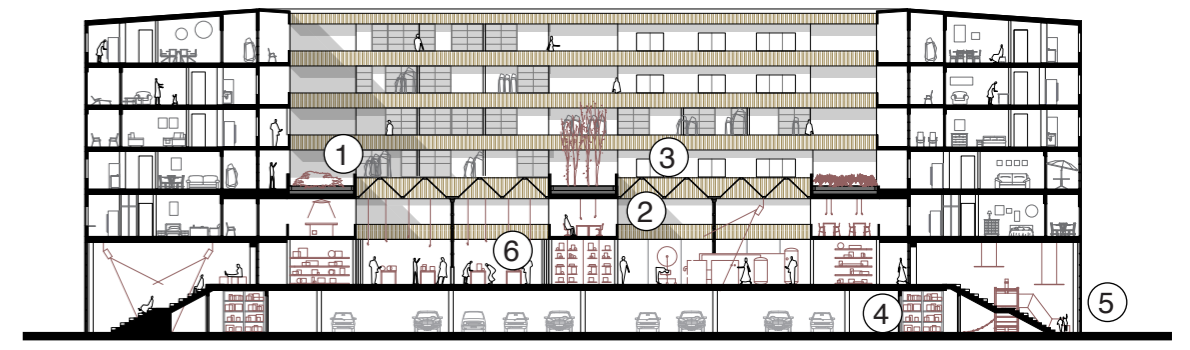


View productive courtyard

Building A
Longitudinal Section, Scale 1:500
From South-East to North-West
Exemplary set up of the productive courtyards
Marked red the production activities

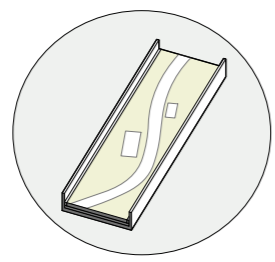


Building B
Longitudinal Section, Scale 1:500
From South-East to North-West
Exemplary set up of the productive courtyards
Marked red the production activities



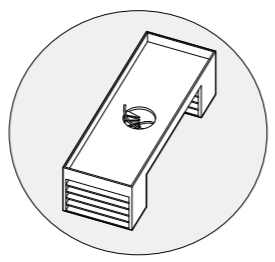
Elements of the courtyard:

There are six main elements in the courtyard, illustrated on left. These are indicated in the sections.



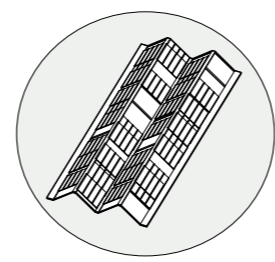
Element 1:

Roof garden strips that can be used by residents for growing own produce



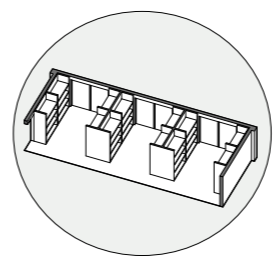
Element 2:

Second floor production space with temporary storages on the lower side



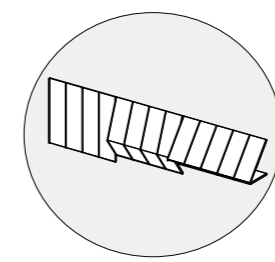
Element 3:

Adaptive courtyard roof that can be opened and closed based on use and need



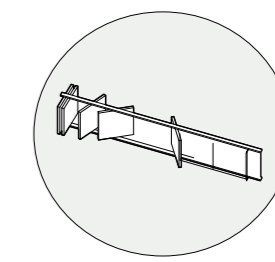
Element 4:

Storage spaces for e-businesses



Element 5:

Adaptive glass facade can be opened for extending production space



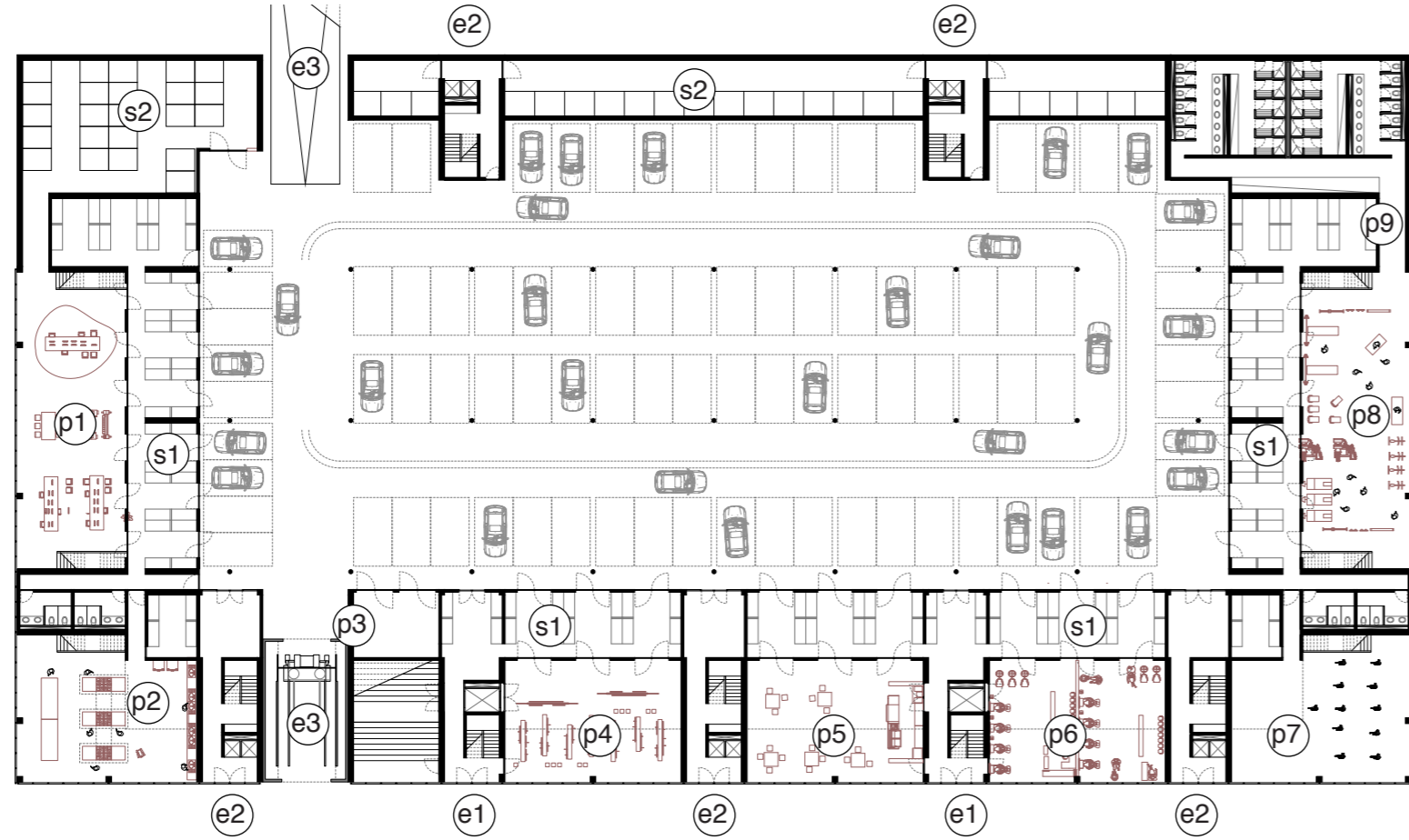
Element 6:

Flexible walls in the courtyard that provide appropriation for use

Building A

- Ground floor plan, Scale 1:500
- Parking space (2467 sqm)
- Storage spaces for e-businesses (s1) 615 square meters
- Storage spaces for residents (s2) 351,5 square meters
- Production spaces of type 1, 2 and 3 940,5 square meters
- Different entrances for businesses (e1, residents (e2) and cars (e3)

Marked red the production activities: Co-working space (p1), Kitchen incubator (p2), Car wash (p3), Photography gallery (p4), Creative business (p5), Hair and beauty salon (p6), Dance studio (p7), Gym (p8), Lockers, bathrooms and showers for the gym (p9).



Building B

- Ground floor plan, Scale 1:500
- Parking space (1050 sqm)
- Storage spaces for e-businesses (s1) 385 square meters
- Storage spaces for residents (s2) 165 square meters
- Production spaces of type 1, 2 and 5 339,5 square meters
- Different entrances for businesses (e1) and residents (e2)

Marked red the production activities: Community center (p1), Web developer agency (p2), Art studio (p3), Flower workshop (p4), Conference space (p5), Child care center (p6).

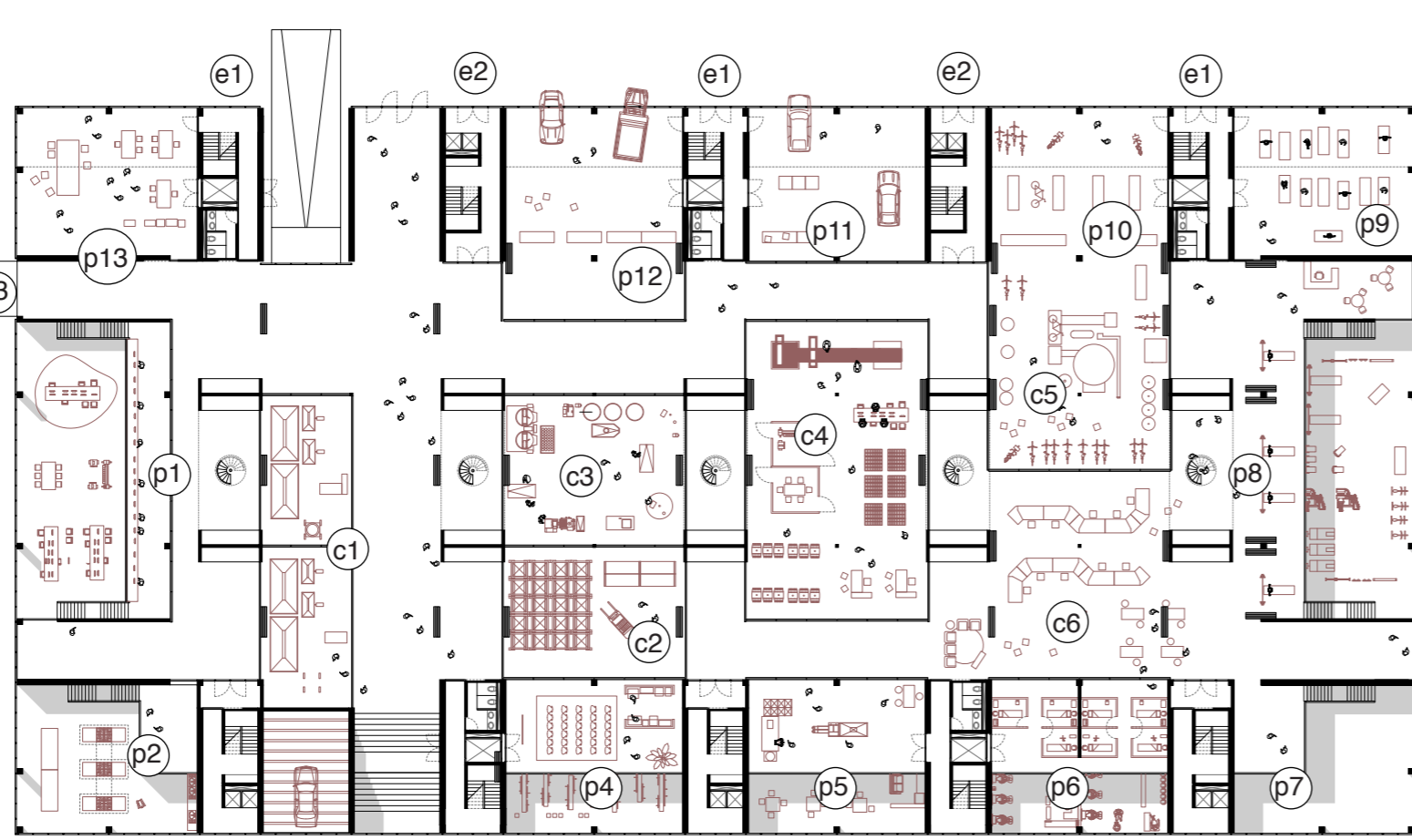


Building A

- First floor plan, Scale 1:500
- Productive courtyard (2400 sqm)
- Production spaces of type 1, 2, 3 and 4
- Different entrances for businesses (e1, residents (e2) and visitors (e3).

Exemplary set up of the productive courtyards with the following activities (production marked red): Bakery (c1), Composting (c2), Algae energy production (c3), Wood furniture workshop (c4), Bike workshop extension (c5), Common workspace (c6).

Exemplary set up of fixed production spaces: Co-working space (p1), Kitchen incubator (p2), Car wash (p3), Photography gallery (p4), Creative business (p5), Hair and beauty salon (p6), Dance studio (p7), Gym (p8), Yoga studio (p9), Bike workshop (p10), Auto workshops (p11, p12), Small enterprise (p13).

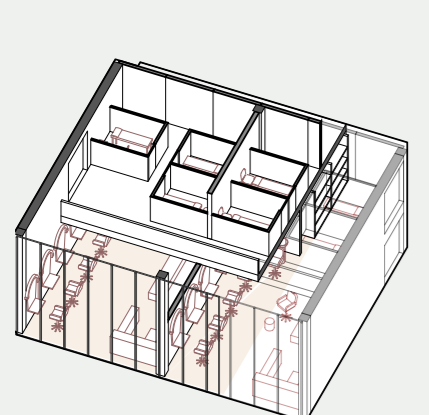
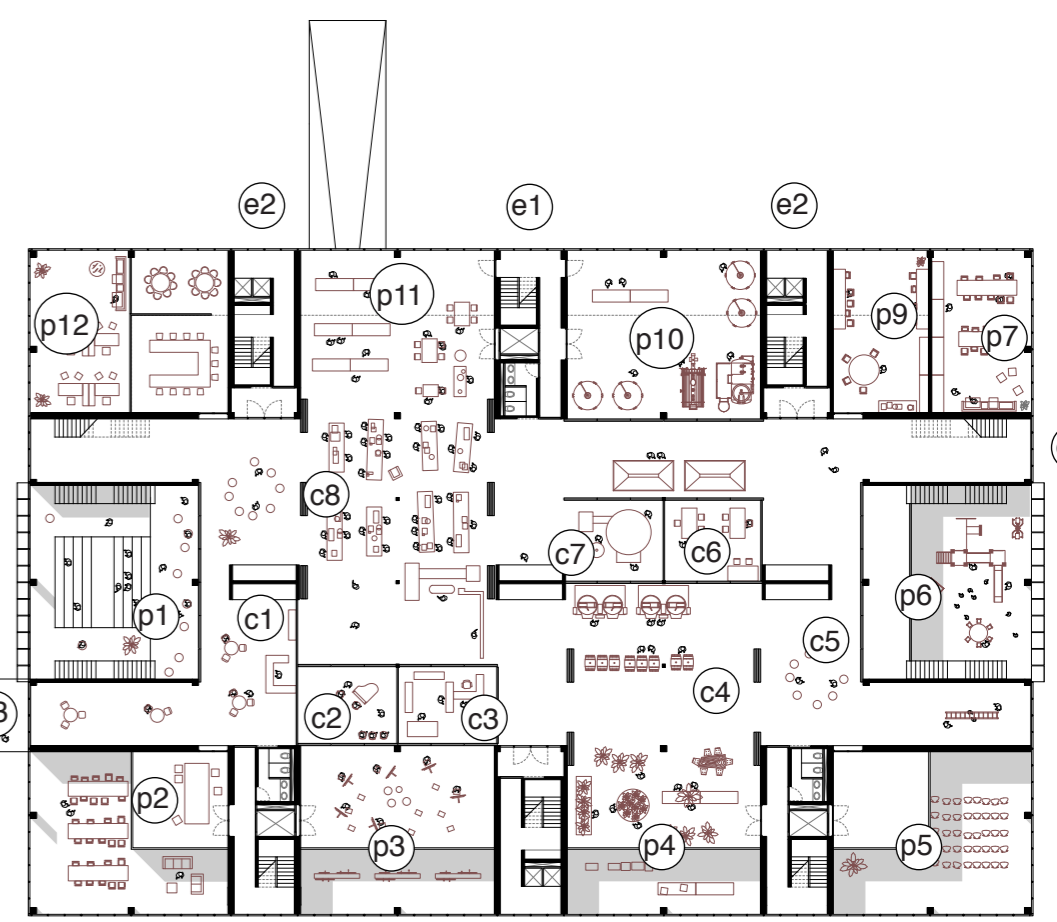


Building B

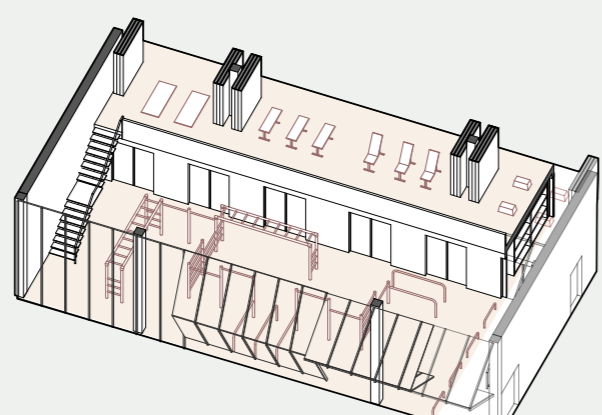
- First floor plan, Scale 1:500
- Productive courtyard (1035 sqm)
- Production spaces of type 1, 2, 4 and 5
- Different entrances for businesses (e1), residents (e2) and visitors (e3)

Exemplary set up of the productive courtyards with the following activities (production marked red): Juice bar (c1), Music studio (c2), Small office (c3), Soap production (c4), Group therapy (c5), App developer start-up (c6), 3D Printing workshop (c7), Up-cycle clothing workshop (c8).

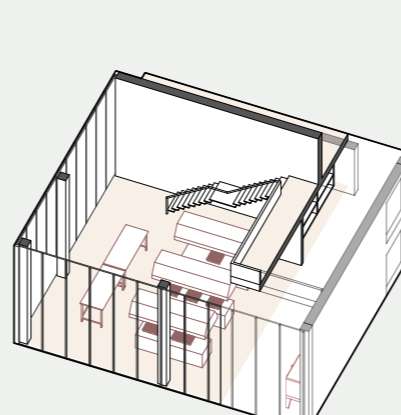
Exemplary set up of fixed production spaces: Community center (p1), Medium web developer agency (p2), Art studio (p3), Flower workshop (p4), Conference space (p5), Child care center (p6), Architecture studio (p7), design studio (p8), small brewery (p9), Up-cycle (p10), Creative agency (p11).



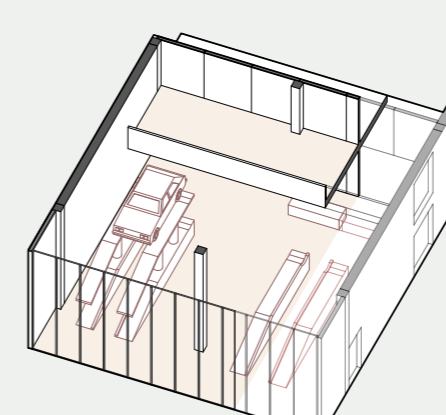
Production Space Type 1:
Situating on Hakvoort
Local street scale
production
Exemplary set up:
Hair and beauty salon



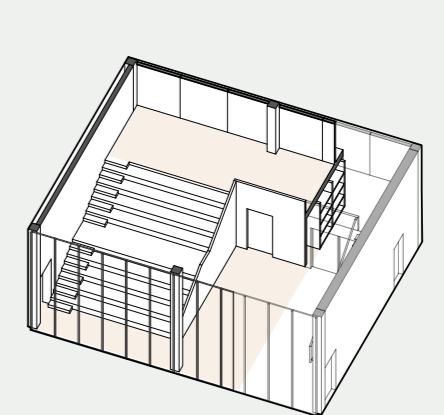
Production Space Type 2:
Situating on Heesterveld
Production for the neighbourhood
Exemplary set up:
Gym



Production Space Type 3:
Situating on Hakvoort corner
Local street / neighbourhood production
Exemplary set up:
Kitchen incubator.



Production Space Type 4:
Situating on Karlspleedreef
Local street / neighbourhood production
Exemplary set up:
Auto workshop.



Production Space Type 5:
Situating on Abcouderpad
Production for the neighbourhood
Exemplary set up:
Performance school.



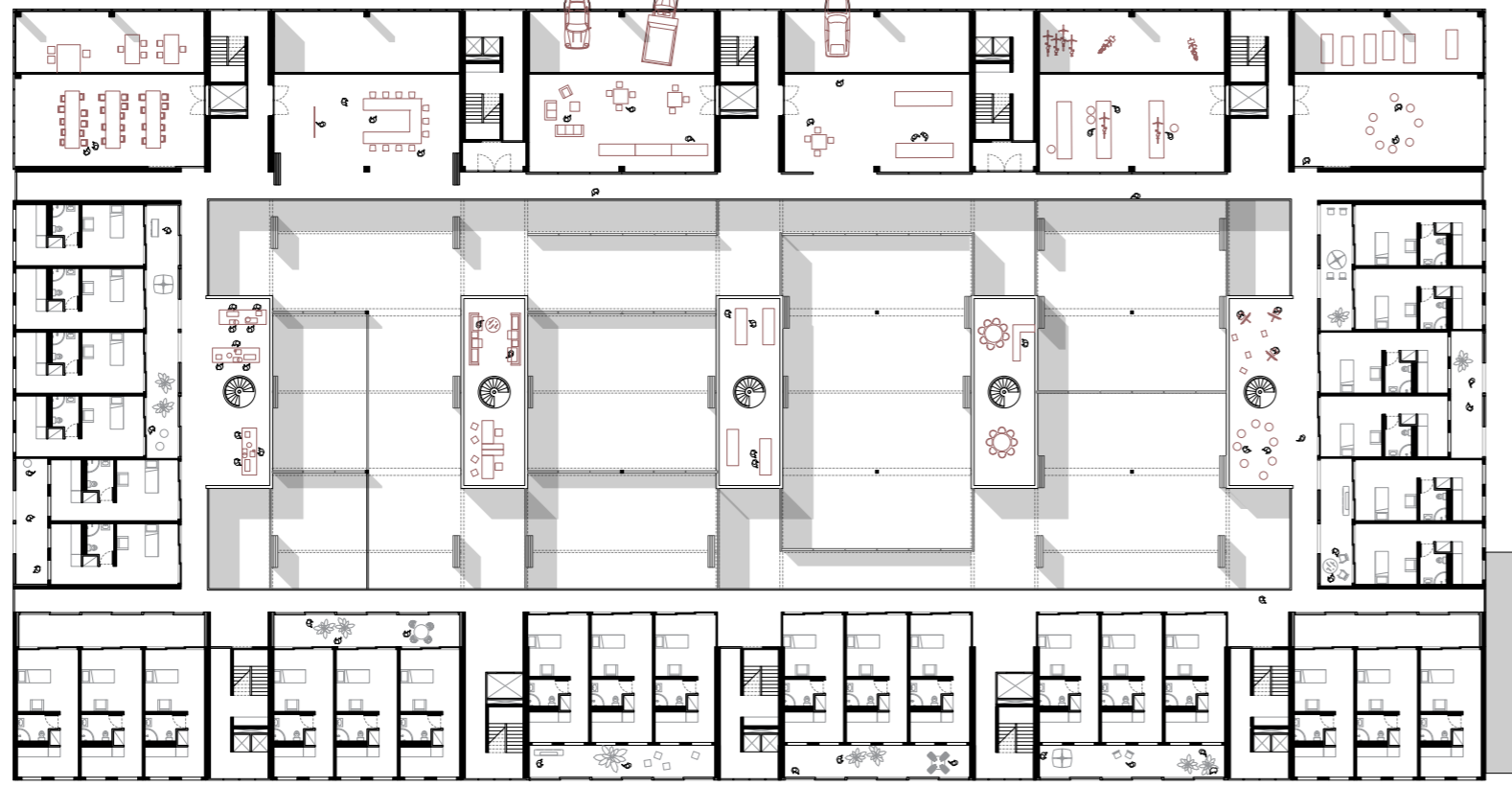
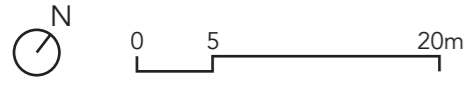
Building A Transversal Section, from North-East to South-West, Scale 1:500



Building B Transversal Section, from South-West to North-East Scale 1:500

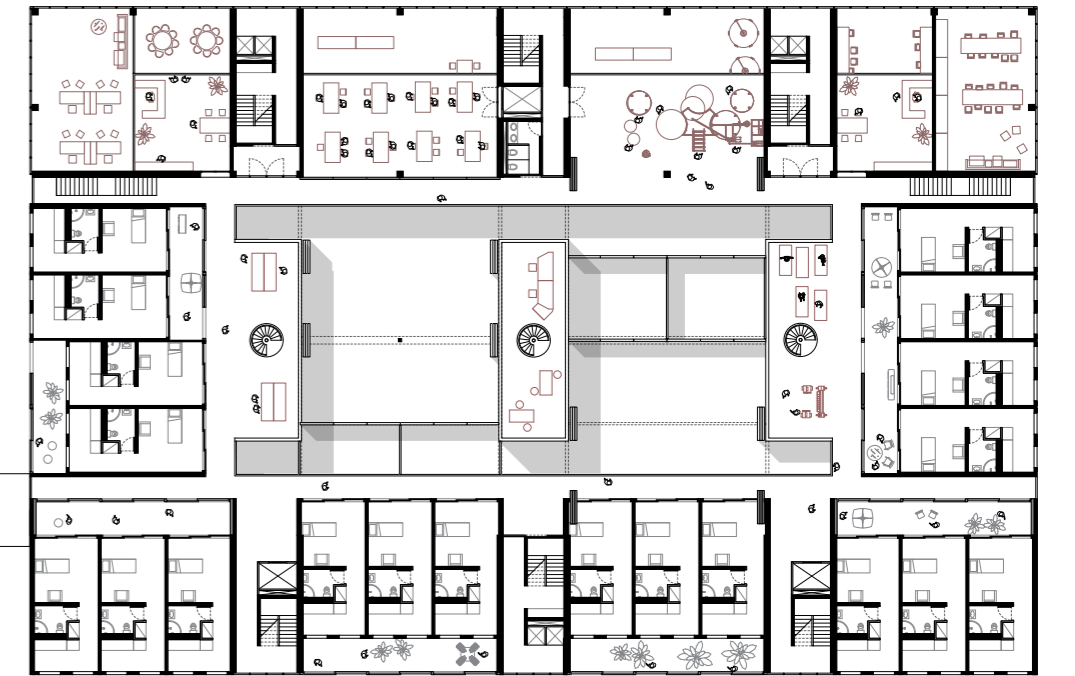
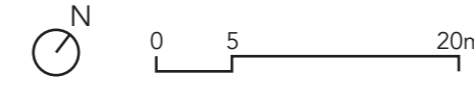
Building A

- Second floor plan, Scale 1:500
- 30 Studio apartments
 - Production spaces of type 3 and 4
 - Productive courtyard second floor meeting spots
 - Flexible balconies for studios



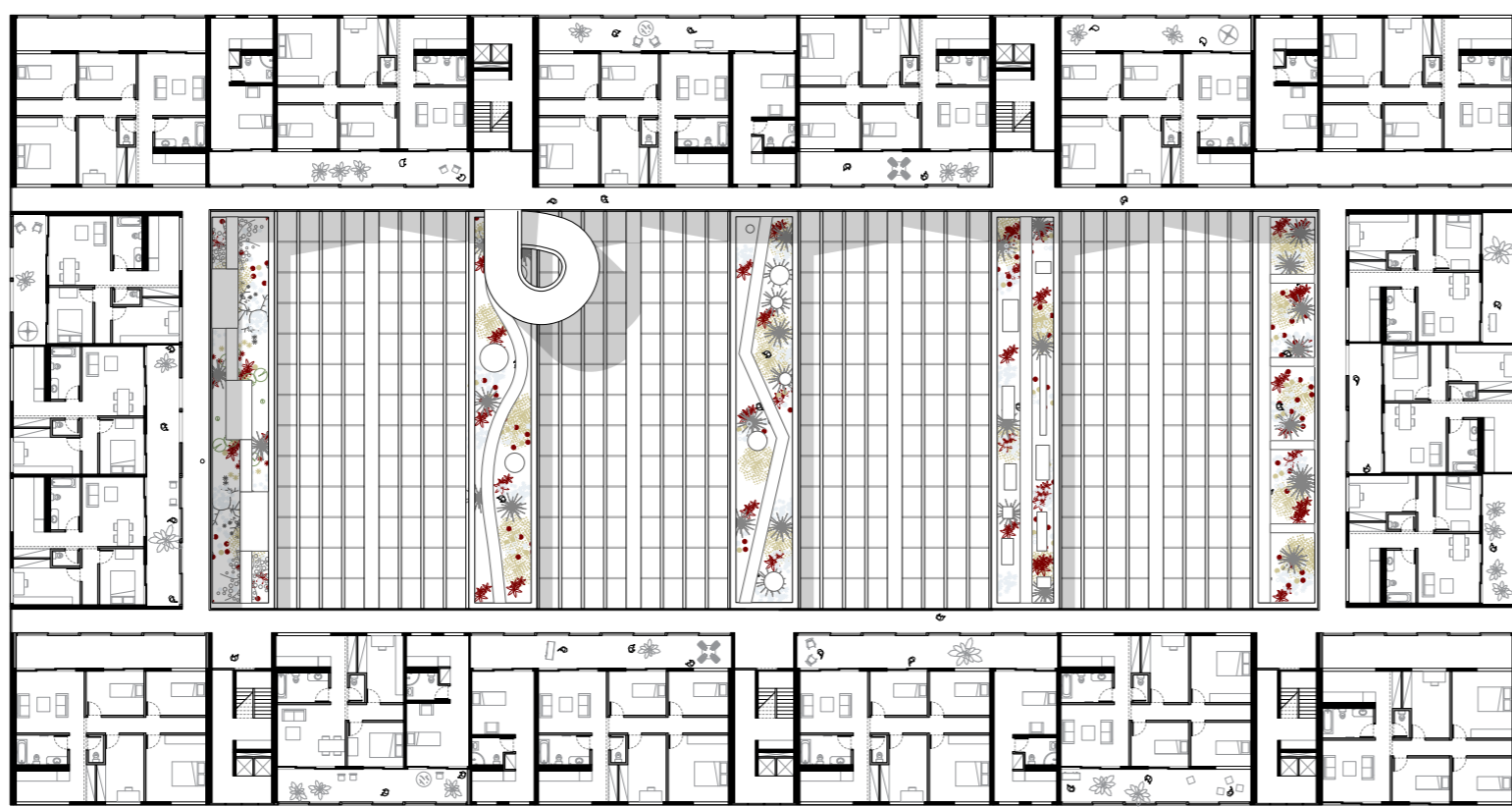
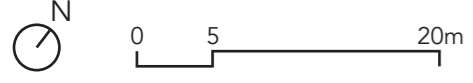
Building B

- Second floor plan, Scale 1:500
- 20 Studio apartments
 - Production spaces of type 3 and 4
 - Productive courtyard second floor meeting spots
 - Flexible balconies for studios



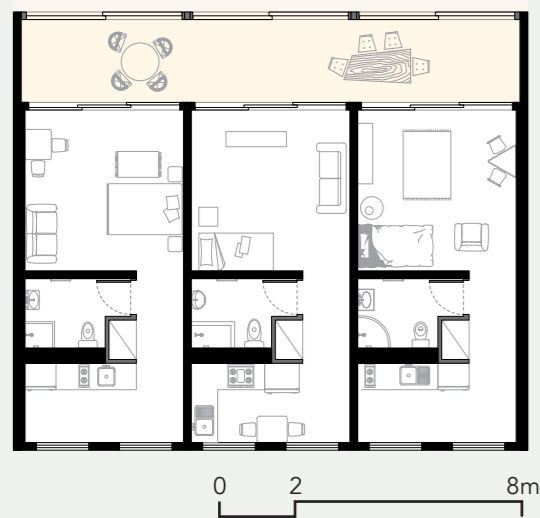
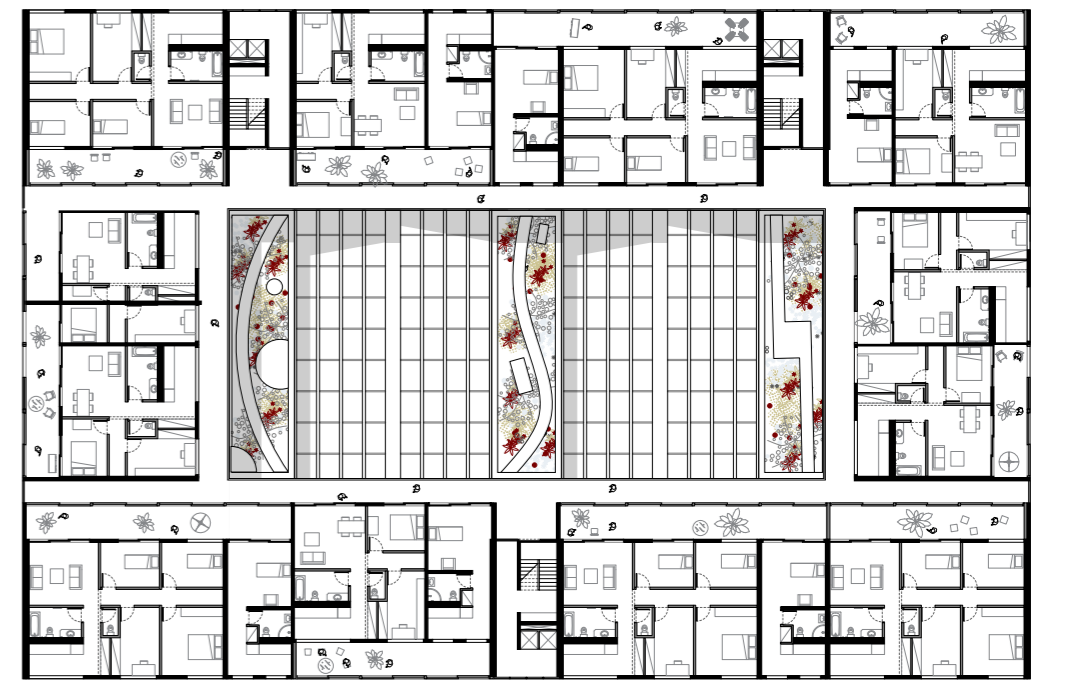
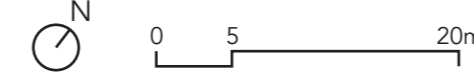
Building A

- Typical apartments floor plan, Scale 1:500
- 6 Two / three bedroom apartments
 - 12 Three / four bedroom apartments
 - 5 One bedroom apartments
 - Flexible balconies
 - Connecting ramp
 - Roof gardens



Building B

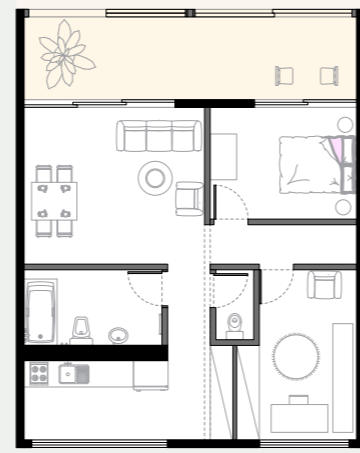
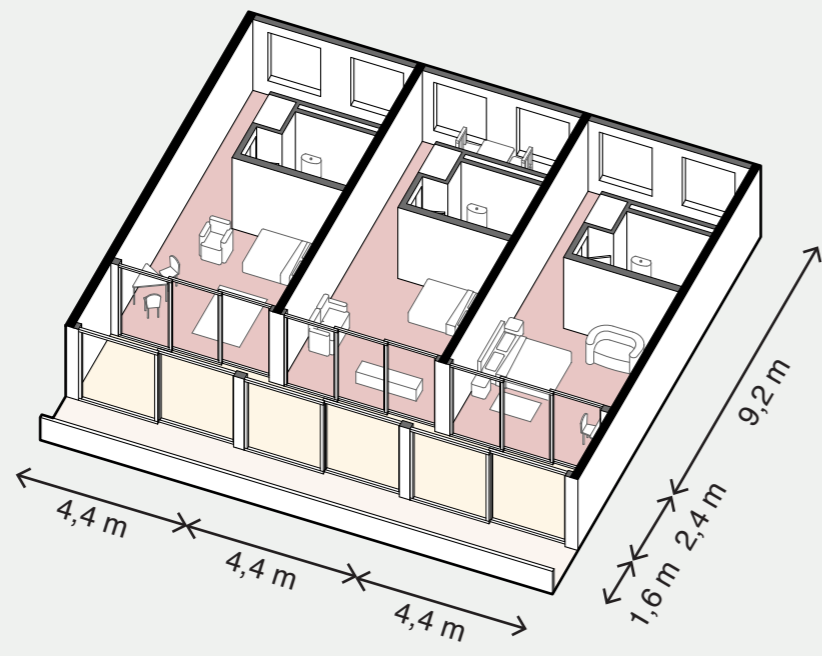
- Typical apartments floor plan, Scale 1:500
- 4 Two / three bedroom apartments
 - 8 Three / four bedroom apartments
 - 3 One bedroom apartments
 - Flexible balconies
 - Connecting ramp
 - Roof gardens



Studio Apartments

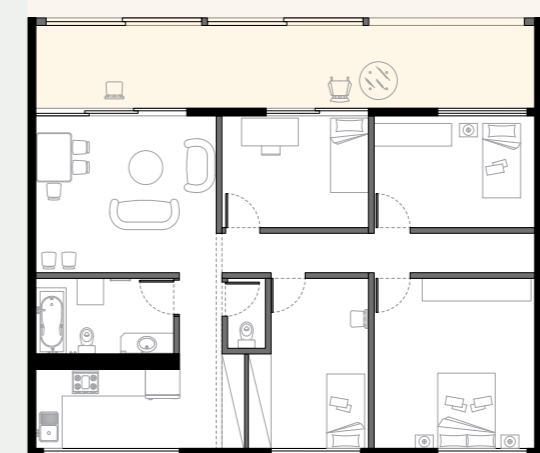
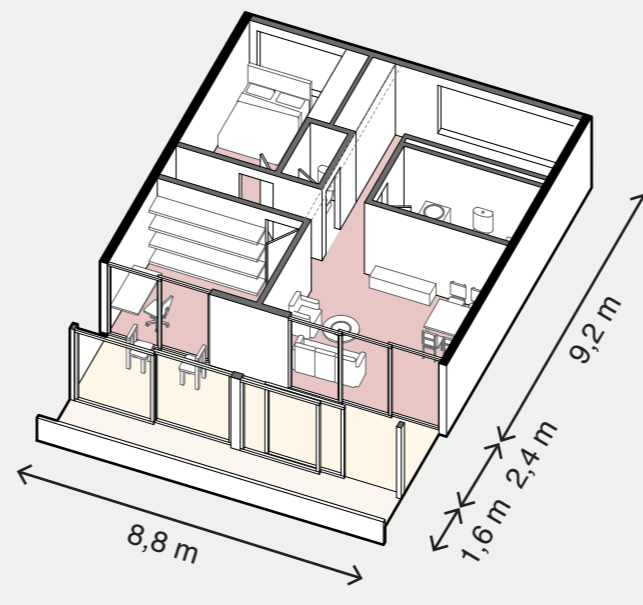
- Scale 1:200
- 32 sqm
 - Kitchen and living space 23sqm
 - Private bathroom 9sqm
 - Collective balcony

- The living room can be extended to the balcony for creating additional working spaces
- In this example three studio apartments have been placed together to show the function of balconies



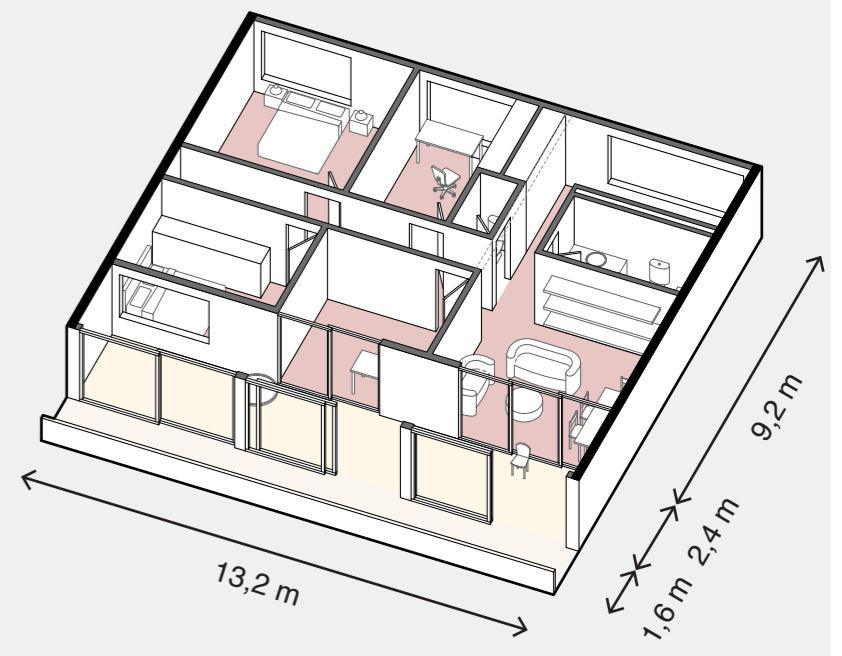
Small Family Apartments

- Scale 1:200
- 64 sqm
 - Kitchen and living space 25sqm
 - 2 bedrooms, 12 and 18 sqm
 - Small bedroom can be added to the living space



Big Family Apartments

- Scale 1:200
- 96 sqm
 - Kitchen and living space 25sqm
 - 4 bedrooms, 10, 12, 14 and 18 sqm
 - Small bedroom can be added to the living space



- Private bathroom 9sqm
- Single bathroom 1sqm
- Private balcony
- The living room can be extended to the balcony



View from one of the balconies