

P5 presentation
23.06.2025

master thesis
msc urbanism

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of Architecture,
Urbanism and
Building Sciences

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delegate
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CARESCAPES

toward a careful imagination for the liveability of
young fluidly housed adults in Brussels

motivation



Brussels nonprofits help city's homeless cope with the heat

Monday, 24 June 2019



Brussels NGOs have launched initiatives to help the city's homeless population cope with the soaring temperatures. Credit: © Belga

As temperatures across Belgium begin their steep rise on Monday, charitable organisations in Brussels have announced measures to help the city's homeless population cope with the heat and have better access to sanitary services and drinking water.

Homeless person in Brussels stabbed to death

Sunday, 20 October 2024
By The Brussels Times with Belga



Credit: Belga/ Hatim Kaghat

One homeless person was stabbed to death in Brussels city centre last night. The suspected perpetrator has not yet been identified or arrested.

'Homelessness knows no temperature': What happens after Brussels Extreme Cold plan?

Friday, 19 January 2024
By Maïthé Chini



Homeless person outside Brussels Midi station. Credit: The Brussels Times

Homelessness is a problem clear to see in Brussels all year round, but one that becomes all the more pressing when temperatures hit freezing. The Brussels authorities have now activated the 'Extreme Cold' plan, but what happens after that?

Dozens to return to the streets as emergency homeless shelter closes

Thursday, 27 February 2025
By The Brussels Times with Belga



Winter shelter. Credit: Belga/Benoit Doppagne

As the winter emergency centre in Schaerbeek prepares to close its doors at the end of the month, dozens of men are set to return to living on the streets, the Red Cross warned on Thursday. By the end of March, a similar issue will be faced by families with children.

Homelessness in Brussels surges again despite 'unprecedented investment'

Sunday, 20 April 2025
By Maïthé Chini



Homeless people find shelter in a hallway of the Porte de Namur metro stop in Brussels on Thursday, 26 December 2024. Credit: Belga / Hatim Kaghat

Despite ongoing and unprecedented efforts to tackle rising homelessness in the Brussels-Capital Region, a recent count confirmed the "worrying reality" that the number of people on the city's streets is on the rise.

Nearly 10,000 homeless in Brussels

Wednesday, 16 April 2025
By The Brussels Times with Belga



A homeless person in the Central station Metro stop. Credit: Belga / Virginie Lefour

In the Brussels-Capital Region, 9,777 people are homeless, with 992 of them living on the streets, according to reports from Le Soir and De Standaard on Wednesday, based on the latest count by the research centre Bruss'Help.

focus on youth homelessness

Complicated pathways: One in five homeless people is a young adult

Monday 10 October 2022
By **Lauren Walker**



The Bernadettewijk, in Ghent, where houseless people, among other, occupy dozens of houses. Credit: belga/ Jonas D'Hollander

Children and young people suffering from lack of specialised crisis assistance

Tuesday 11 October 2022



Credit: Belga

'Hidden homelessness' in the Brussels Region exposed in new report

Thursday 21 September 2023
By **The Brussels Times with Belga**



Credit: Belga

At least 400,000 homeless minors in the EU, associations say

Monday 23 September 2024
By **The Brussels Times with Belga**



A woman playing with homeless refugee children living inside Brussels-North station. Credit: Belga / Nilsine Maestriinck

One in five EU adults in their early 30s still live with their parents

Monday 3 June 2024
By **Maïthé Chini**



Credit: Canva

'No housing solution': When a squat closes down, where do its inhabitants go?

Tuesday 2 July 2024
By **Ciara Carolan**



Credit: Belga / Justin Namur

an invitation to listen

The world is a complex and difficult place.
Humans come with their own histories, traumas,
and egos—often unintentionally shaping the
lives of others.

**When you listen closely, you can start to
understand their struggles on an intellectual
level but unless you have lived these
struggles, you can never truly feel them.**

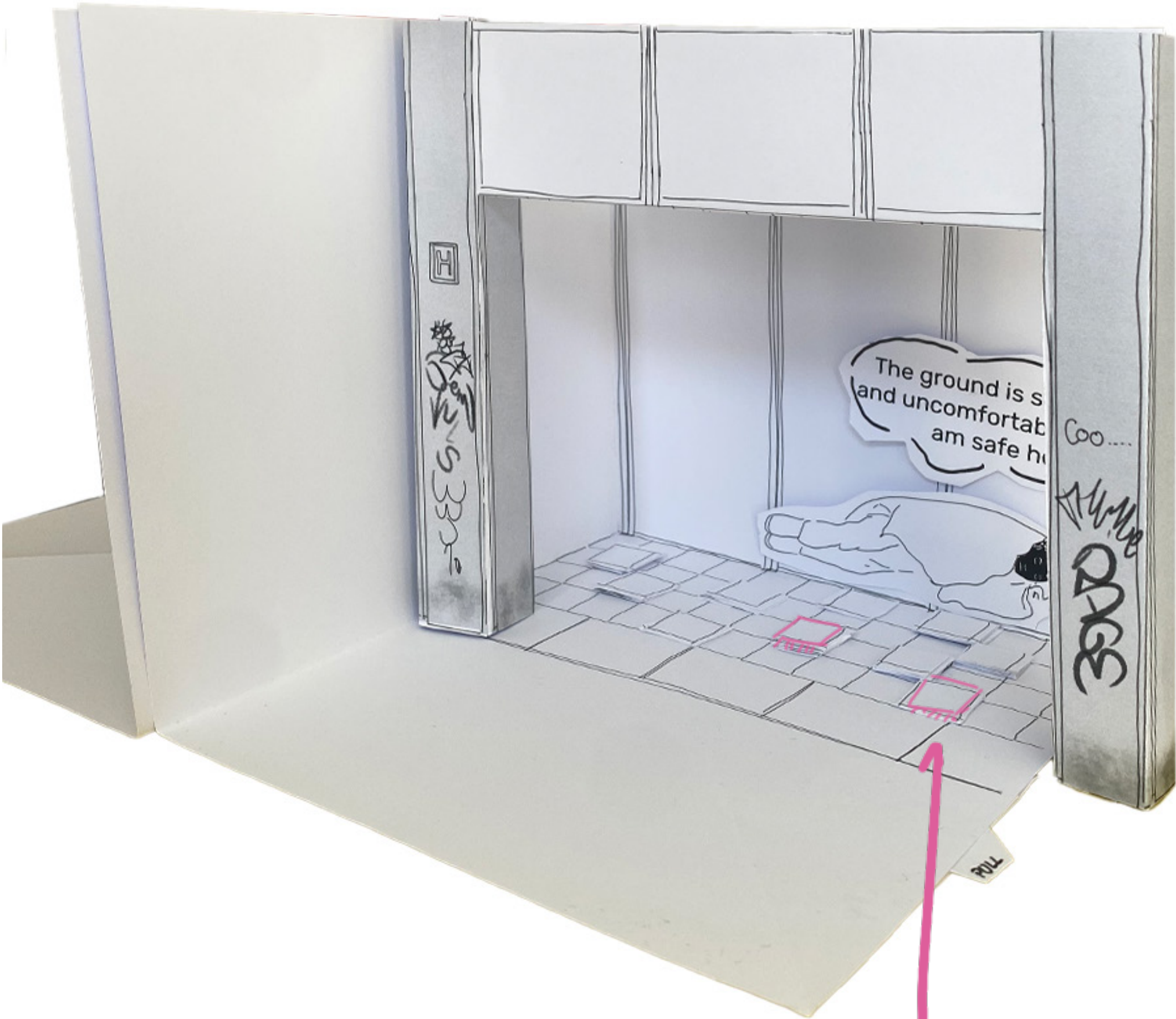
Correspondence with Tigist Kassahun Temesgen after the
Gender-in-Space PhD Seminar

Hi, my
name is
Awa, I am
25 years
old and live
in Brussels





photograph of booklet ,patterns of fluid housing', own work



← Colonades

uneven
ground

photograph of booklet ,patterns of fluid housing', own work



you can
join our
squat

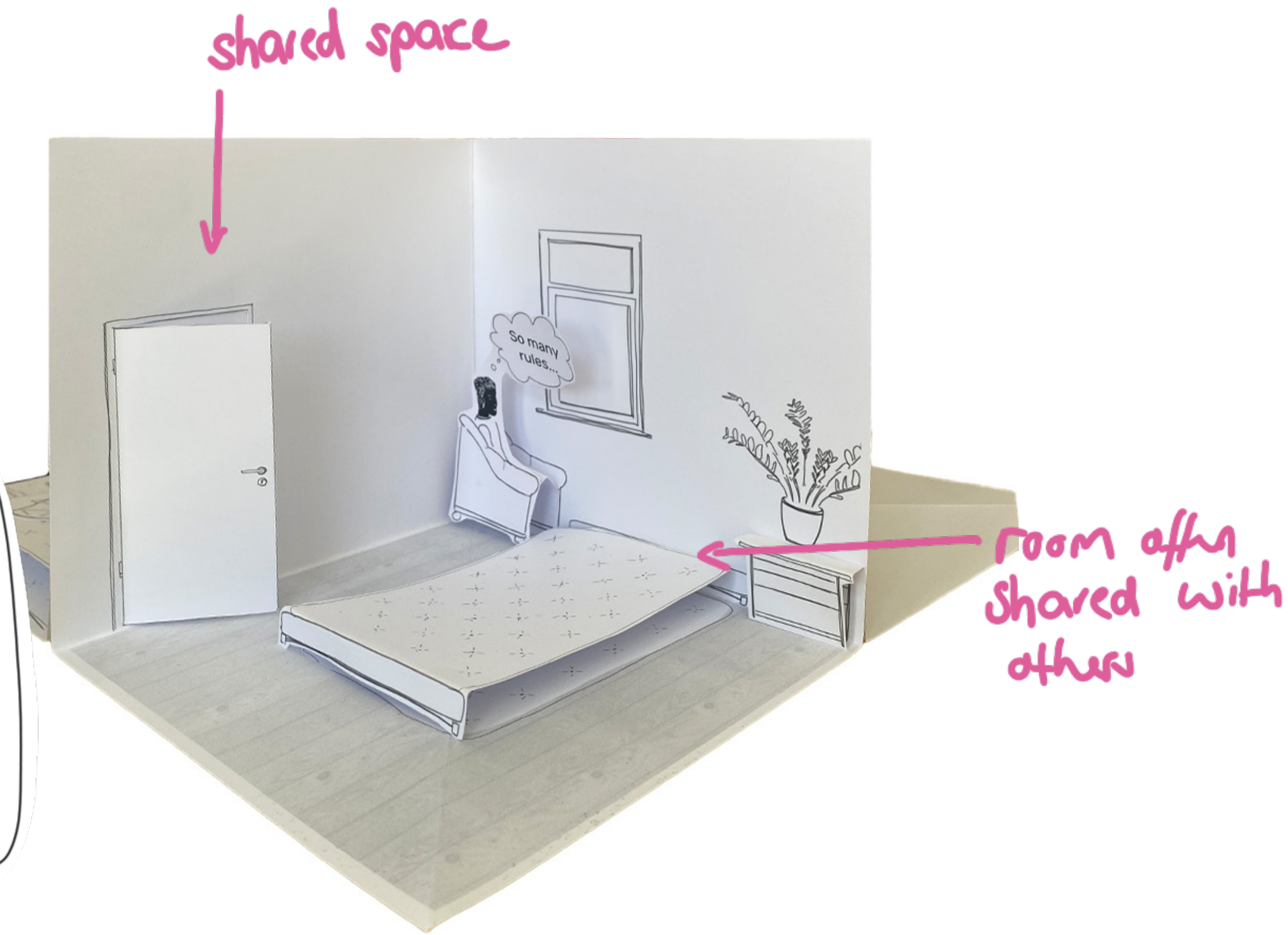


floor covered
in mattresses

photograph of booklet ,patterns of fluid housing', own work



you can join our solidarity housing project



photograph of booklet ,patterns of fluid housing', own work

This way
of living
isn't ideal
but at least
I'm not
homeless



WE ARE NOT HOMELESS!!



sketches of real stories with fictional faces, own work

homeless

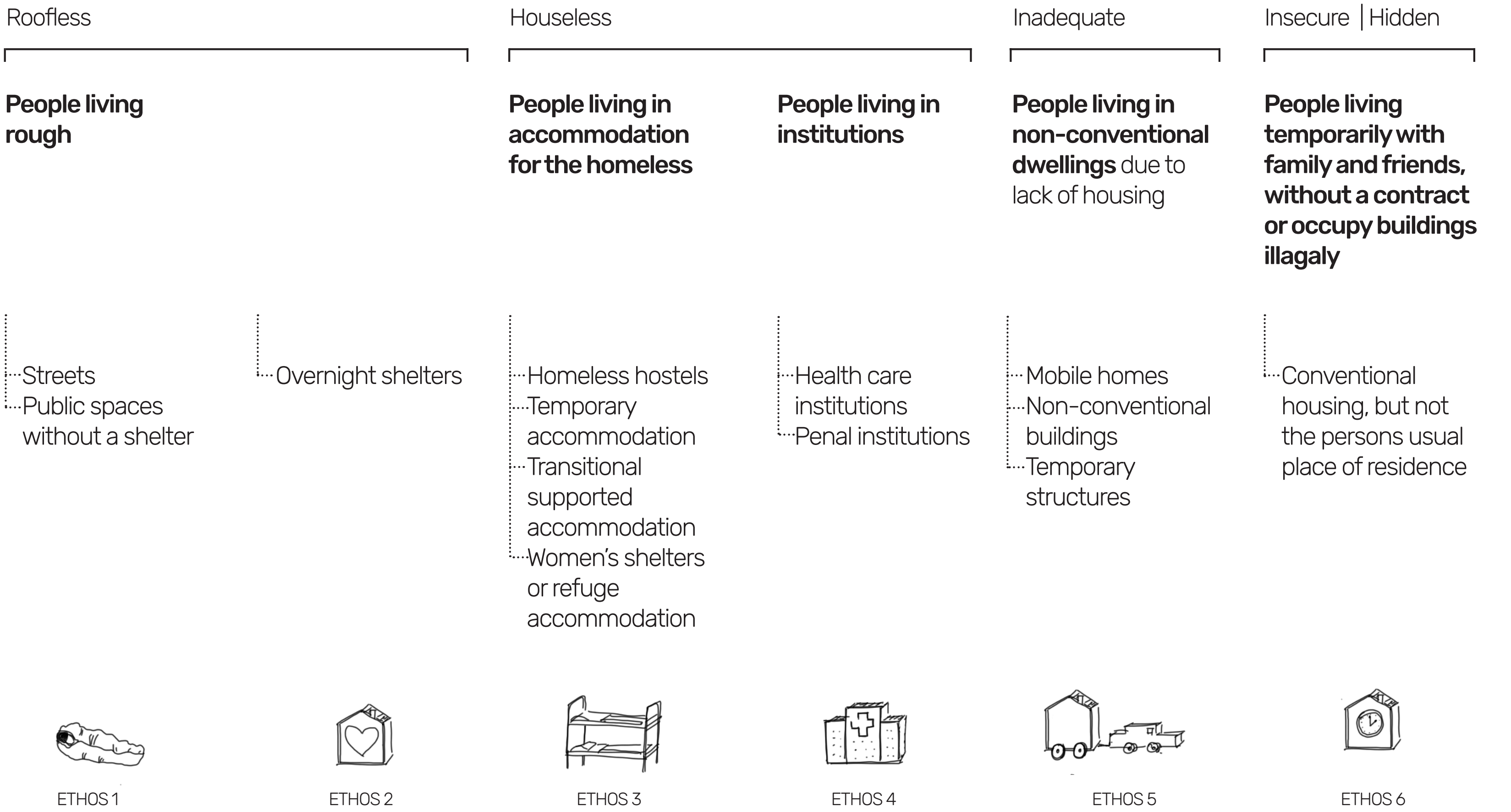
/ˈhəʊmləs/

adjective (of a person) without a home,
and therefore typically living on the
streets.

Oxford Languages, 2025

~~homeless people are only those sleeping on the street~~

an academic definition



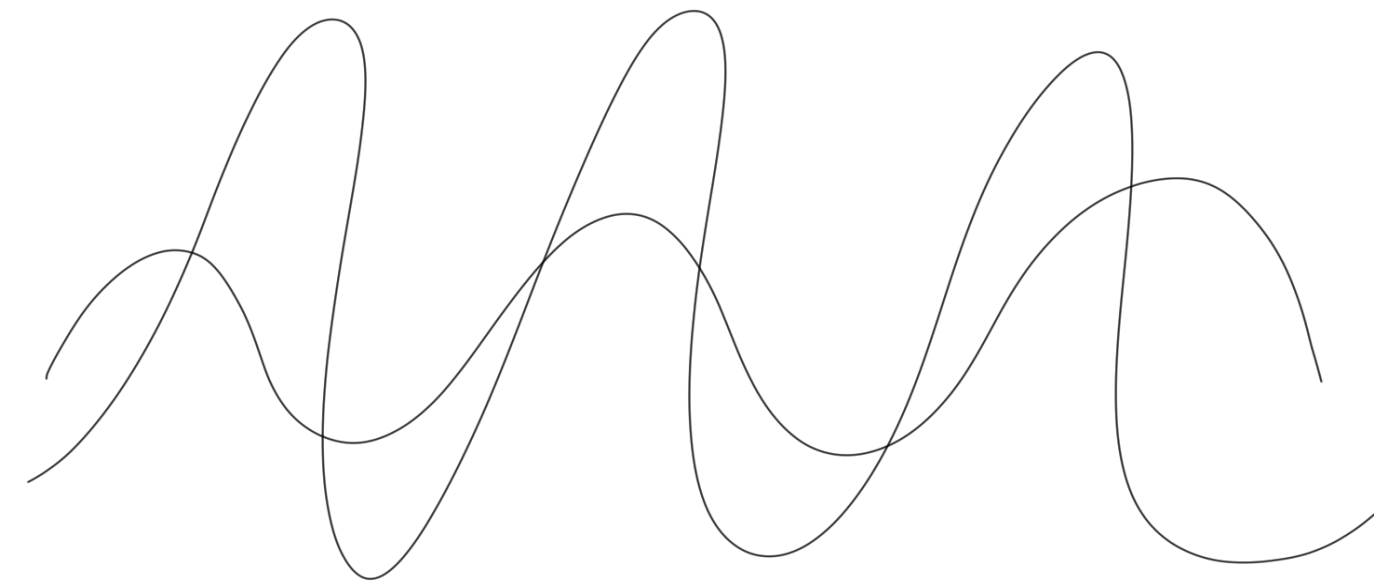
European Typology of Homelessness and Housing Exclusion, ETHOS light, own graphic based on Feantsa, 2024

live rough

ETHOS 1

live and sleep outdoors as a consequence of having no proper home.

(feantsa, 2024)



sheltered with family/ friends

ETHOS 6

having a place to sleep, often in conditions of overcrowding and poverty

more accurate term

fluidly housed

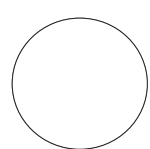
ETHOS 1-6

individual experiencing fluctuating conditions of homelessness - sometimes being sheltered in occupied buildings, sometimes staying with friends, and at times enduring periods of rough living

Also: Being at home in changing accommodations within the same city.

own definition

Young people are adaptable—they can handle fluid housing



Adolescence movie is a wake-up call to fathers

22-04-2025 **Christian Life**  [Joe-Lize Kruijsse-Brugge, CNE.news](#)

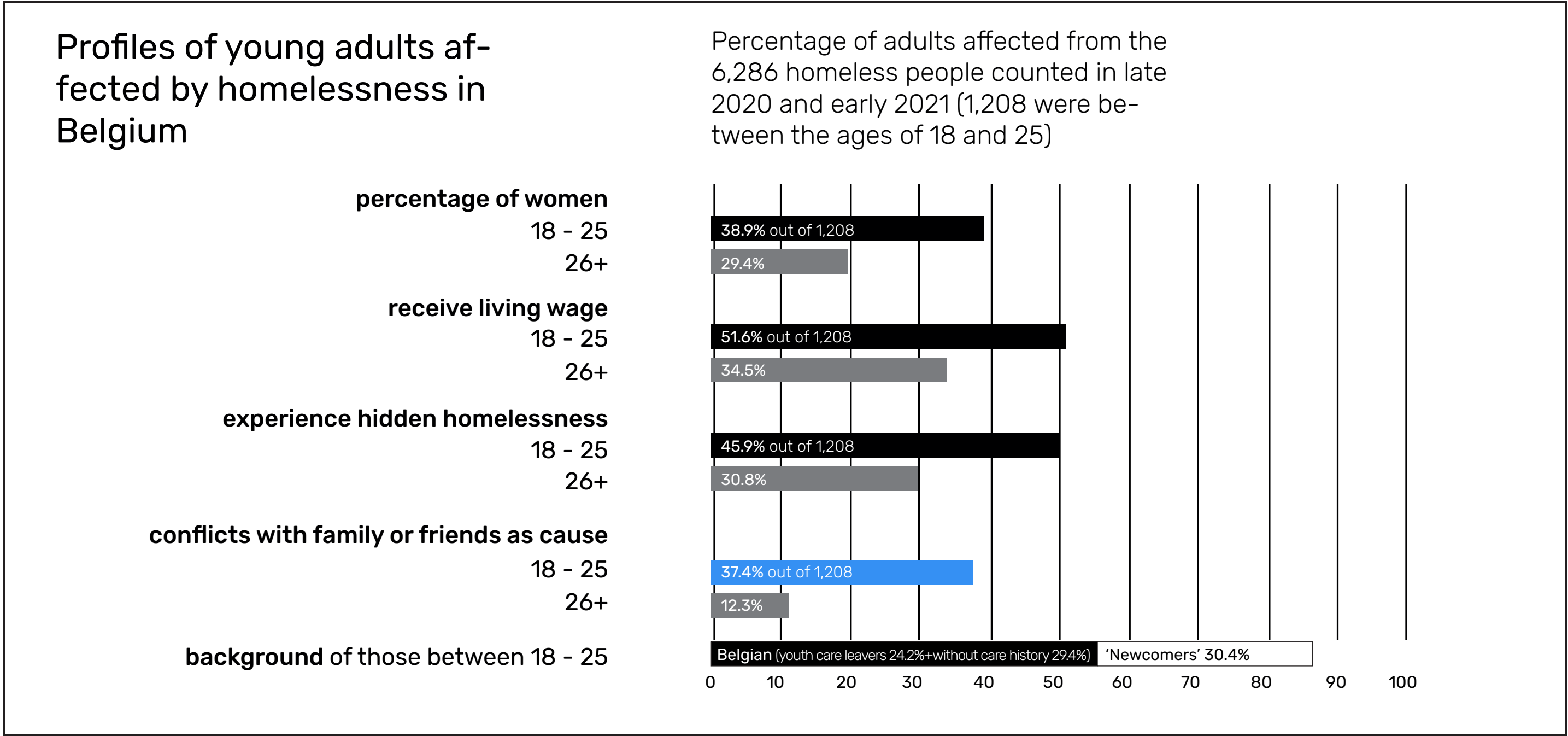
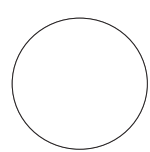


Jaimie and his father in a still from the movie Adolescence. Photo Netflix

adolescence
/ˌadəˈlesns/

the period of psychological and social development accompanying the physical transition of puberty during which a young person develops from a child into an adult.

(Oxford Languages, 2024; unacademy, 2024)

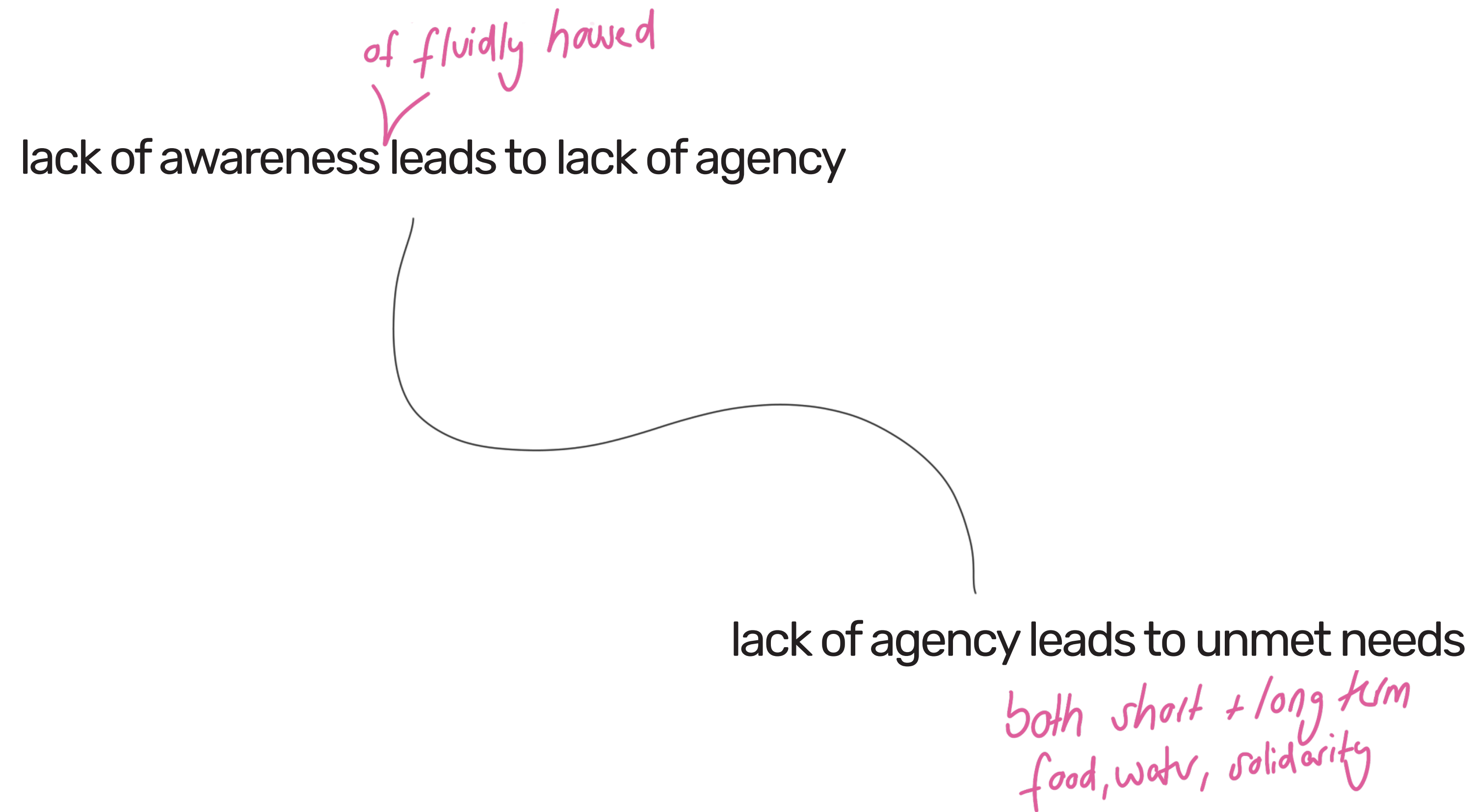


Statistics of youth homelessness in Belgium, graphic own work based on Van Noppen, 2022.

problem statement

of fluidly hawed
✓
lack of awareness leads to lack of agency

problem statement



problem statement

shift in political mindset

problem statement

shift in political mindset

institutional strategies are too slow to
address urgency of crisis → youth homelessness

research question

shift in political mindset

institutional strategies are too slow to
address urgency of crisis

How can urban design become a tool to hack
systems of marginalization—quickly improving the
lives of young fluidly housed adults while creating
lasting spaces of solidarity?

research question

shift in political mindset

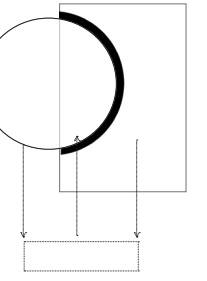
institutional strategies are too slow to address urgency of crisis

policies + spaces that exclude

How can urban design become a tool to hack systems of marginalization—quickly improving the lives of young fluidly housed adults while creating lasting spaces of solidarity?

designing spaces that can be used in different ways

that can't be revoked easily



care

“everything we do to maintain, continue, and repair our ‘world’ so that we can live in it as well as possible.”

(Tronto & Fisher in Tronto, 2019)

careful imagination understanding needs



Informal Conversations

I live in a **solidary housing project** and pay **little rent**. I am exhausted and will move out. **But I don't have a new place yet.**

I live in a **solidary housing project for free**. It was planned for 6 months until I have my papers. This was 3 years ago. It can be tough but I don't have another option.

I live in a solidary housing project for free. **My parents kicked me out.** They don't agree with me being queer.

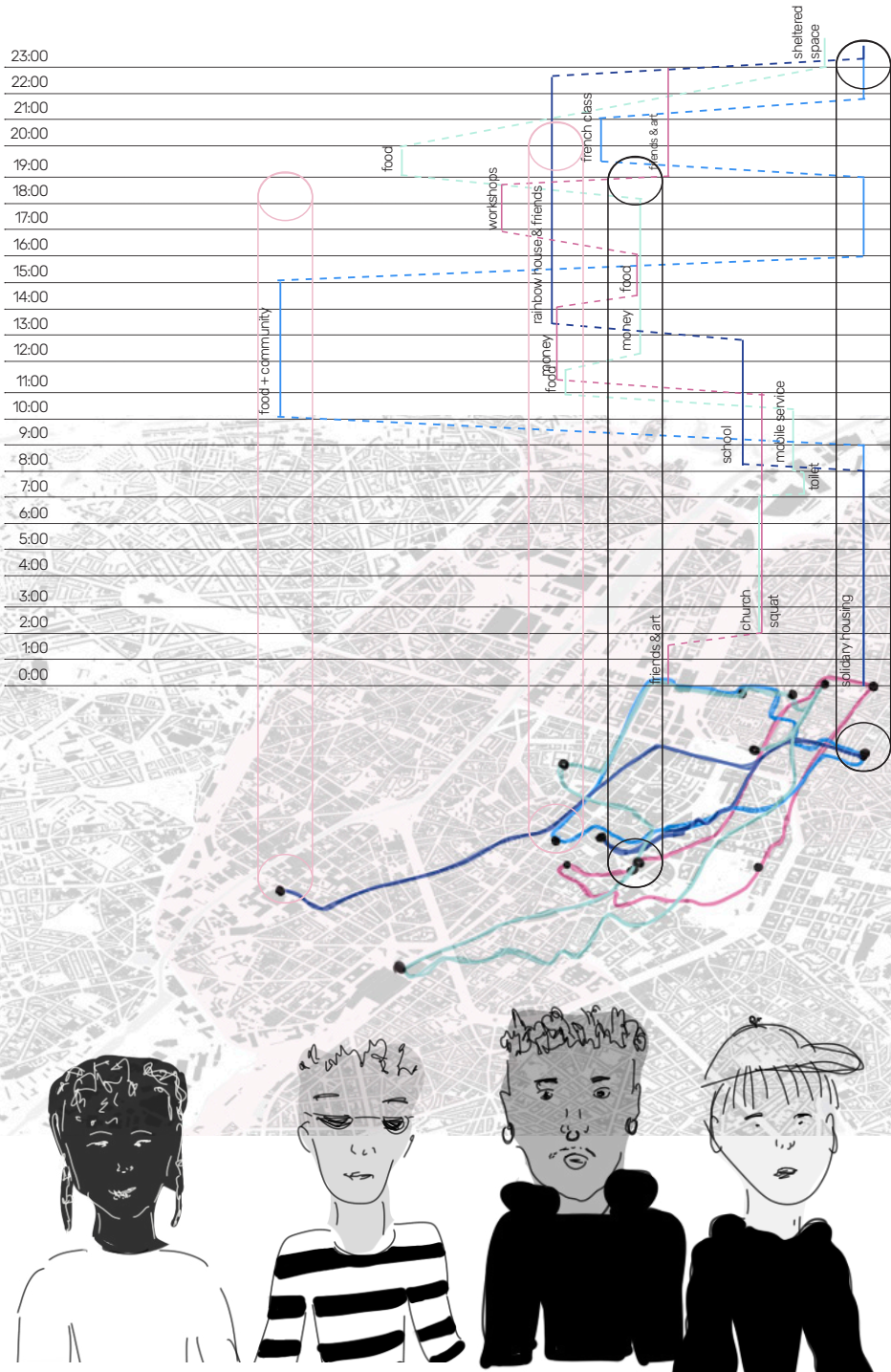
I was homeless once. **I now live my grandparents.**

I moved in with my **boy-friend**. We are 4 people in the flat. Since last week we are 5, one had a **family emergency** and the little brother moved in.

'I live in Squats. The whole city is my home. When I get kicked out, I go somewhere new'

I have a precarious housing contract. I pay little rent because the housing condition is bad. When the landlord sells the place, I have 1 month to find a new place

4 Personas Time-Space Geography

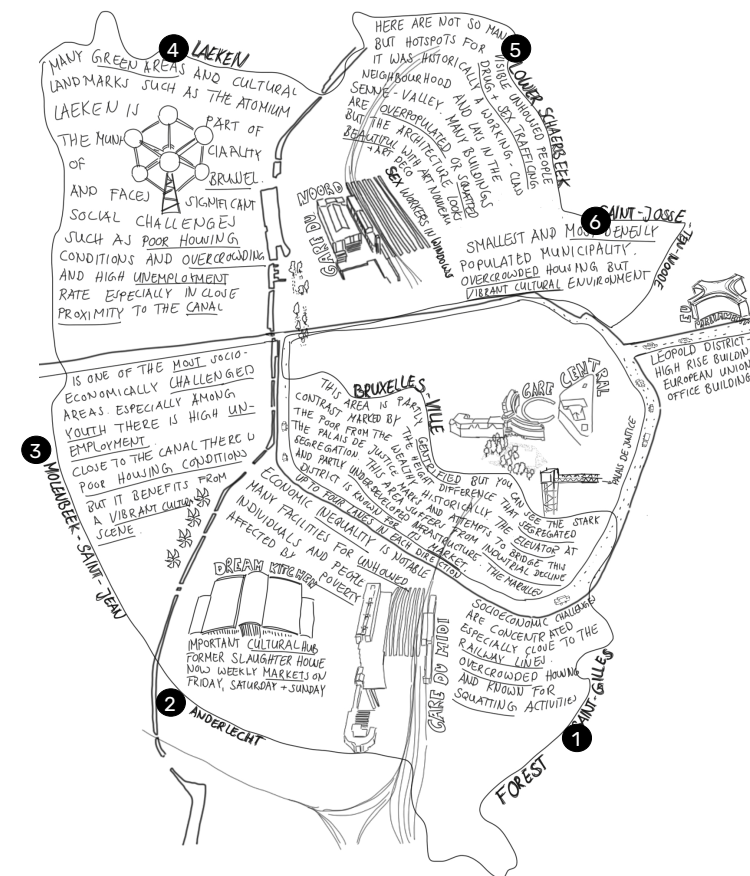
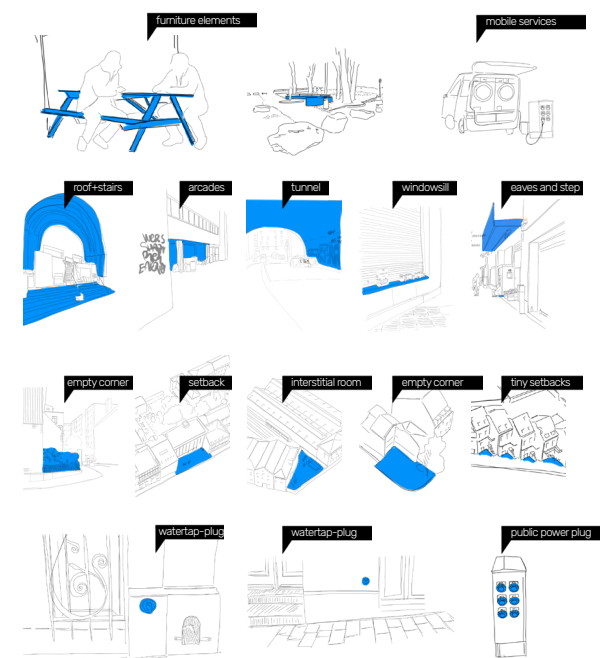


needs of fluidly housed young adults

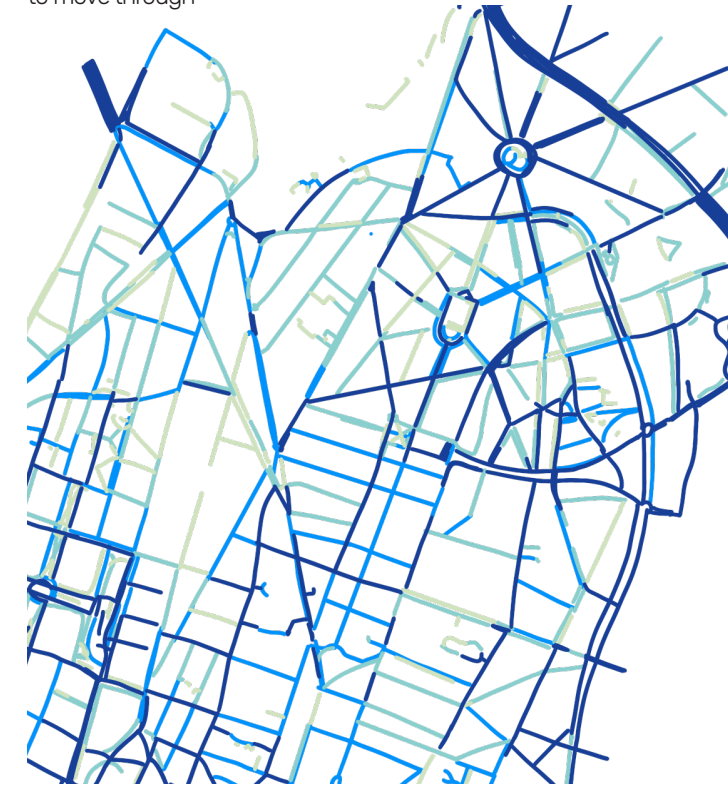
autonomy/agency
sense of belonging
security/health

(Literature Review, Structured Interviews,
Informal Conversations; Ethnographic
Mapping, Personas, Time-Geography,
Max-Neef, 1992;
Boccagni & Duyvendak, 2021)

understand needs for liveability

[illegible]

angular choice
how probable a street is chosen
to move through



angular integration
how easy a street is to reach



autonomy/agency
sense of belonging
security/health

(Literature Review, Structured Interviews, Informal Conversations; Ethnographic Mapping, Personas, Time-Geography, Max-Neef, 1992; Boccagni & Duyvendak, 2021)

conceived space
lived space
perceived space

(Literature Review, Environment-Behaviour Studies, Fieldwork, Ethnographic Mapping, QGIS Mapping, Research by Design, Lefebvre et al., 1997; Crieckingen, 2020)

understand needs for liveability

.....undersand how space is shaped by people in power and how people activate it.....

careful imagination combining this information



patterns - how needs are met in space

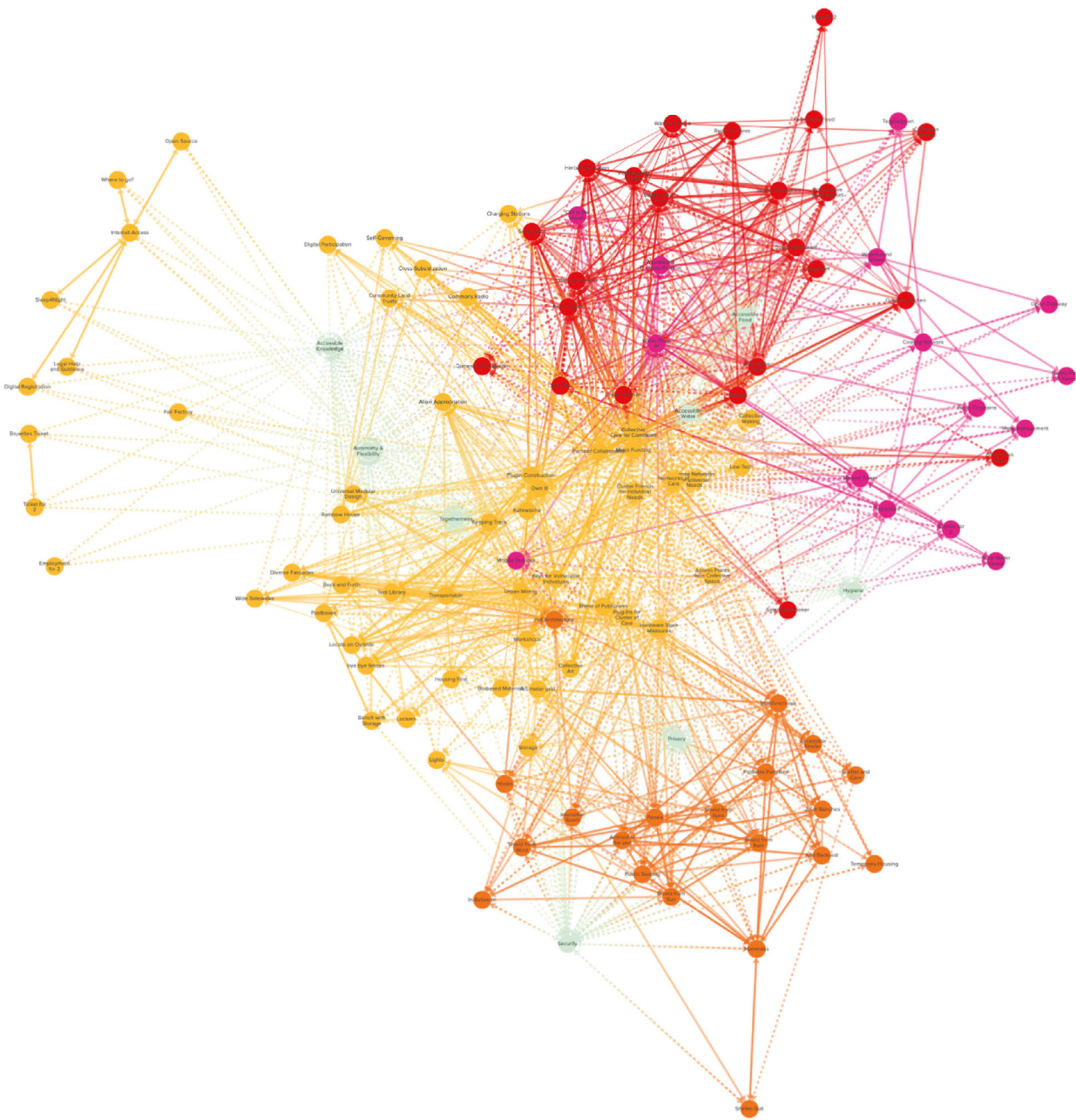
A.31
Plugin Connection

A.18
Back and Forth

Connected to: Sa.2, Sa.3, Sa.5, Sa.6, Sa.7, Sa.8, A.50, A.51, A.52, A.53, A.54
Similar to: A.17, A.19, A.20, A.21, A.22
Mutual support: A.1, A.12, A.17, A.19, A.20, A.21, A.22, A.23, A.29
Supports: A.24, A.25, A.26
Enables: A.49, S.18

Architectural setbacks create transitional spaces that invite public appropriation, fostering social interaction, urban vitality, and adaptive use.

pattern language - larger system of homelessness



- connected
- similar
- supports
- enables
- satisfiers
- food
- water
- shelter
- agency

needs of fluidly housed young adults

autonomy/agency
sense of belonging
security/health

(Literature Review, Structured Interviews, Informal Conversations; Ethnographic Mapping, Personas, Time-Geography, Max-Neef, 1992; Boccagni & Duyvendak, 2021)

urban fabric Brussels

conceived space
lived space
perceived space

(Literature Review, Environment-Behaviour Studies, Fieldwork, Ethnographic Mapping, QGIS Mapping, Research by Design, Lefebvre et al., 1997; Crieckingen, 2020)

understand needs for liveability

understand how space is shaped by people in power and how people activate it

Pattern Language

Combine socio-spatial patterns in a transparent way
(Bridging Needs and Space, Small scale and large Networks, Research and Design, Salingaros, 2000; Fezer, 2022)

careful imagination using careful design to hack the system



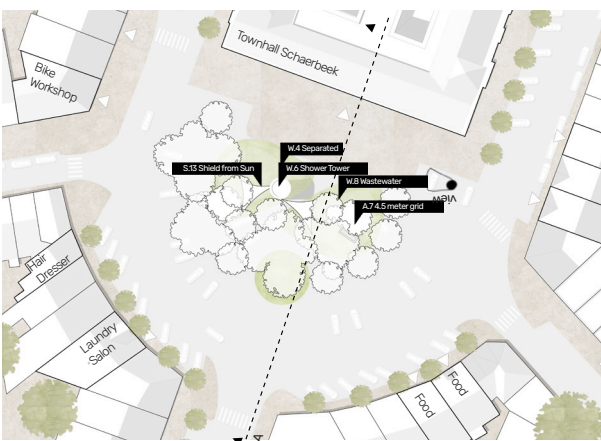
conceived space
abstract top-down



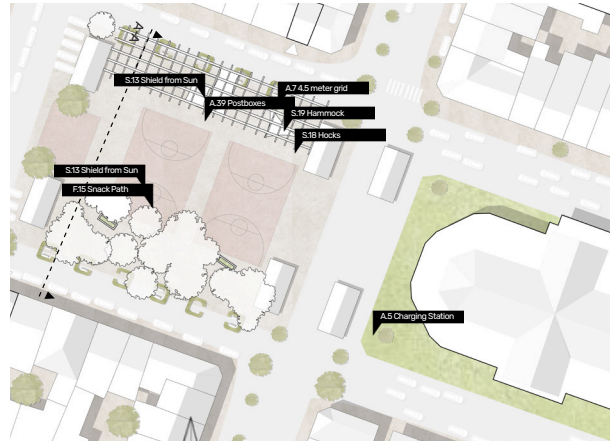
A14 Section
S2
Evaluation
access solidarity health sense of belonging
activate adapt agency timespan



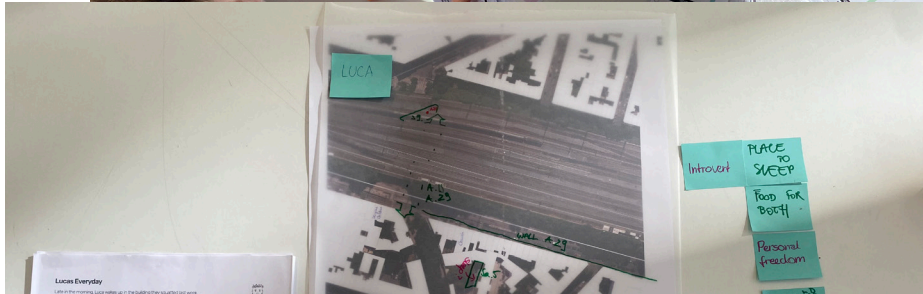
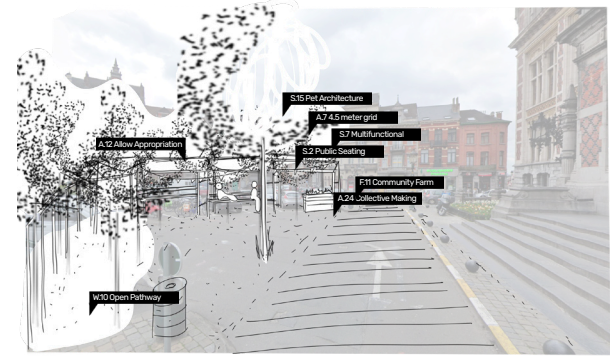
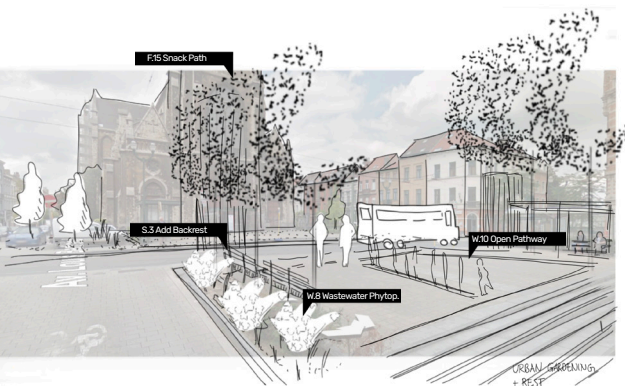
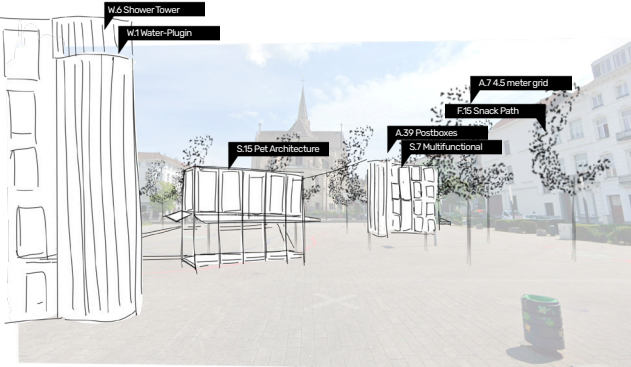
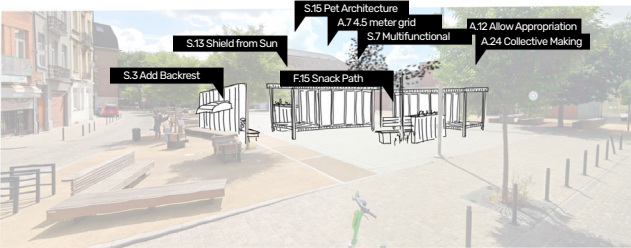
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A14 Section
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A14 Section
S2
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lived space
activated bottom-up

needs of fluidly
housed young adults

autonomy/agency
sense of belonging
security/health

(Literature Review, Structured Interviews,
Informal Conversations; Ethnographic
Mapping, Personas, Time-Geography,
Max-Neef, 1992;
Boccagni & Duyvendak, 2021)

careful design

provides potential to

access
foster solidarity
activate & adaptat

(Needs-based Design
Explorations, based on 4
Personas, Newton, 2025,
Oosterlynck 2022,
Chandel et al., 2025)

urban fabric
Brussels

conceived space
lived space
perceived space

(Literature Review, Environment-Be-
haviour Studies, Fieldwork, Ethno-
graphic Mapping, QGIS Mapping,
Research by Design, Lefebvre et al.,
1997; Crieckingen, 2020)

carescape - network of socio - spatial interventions

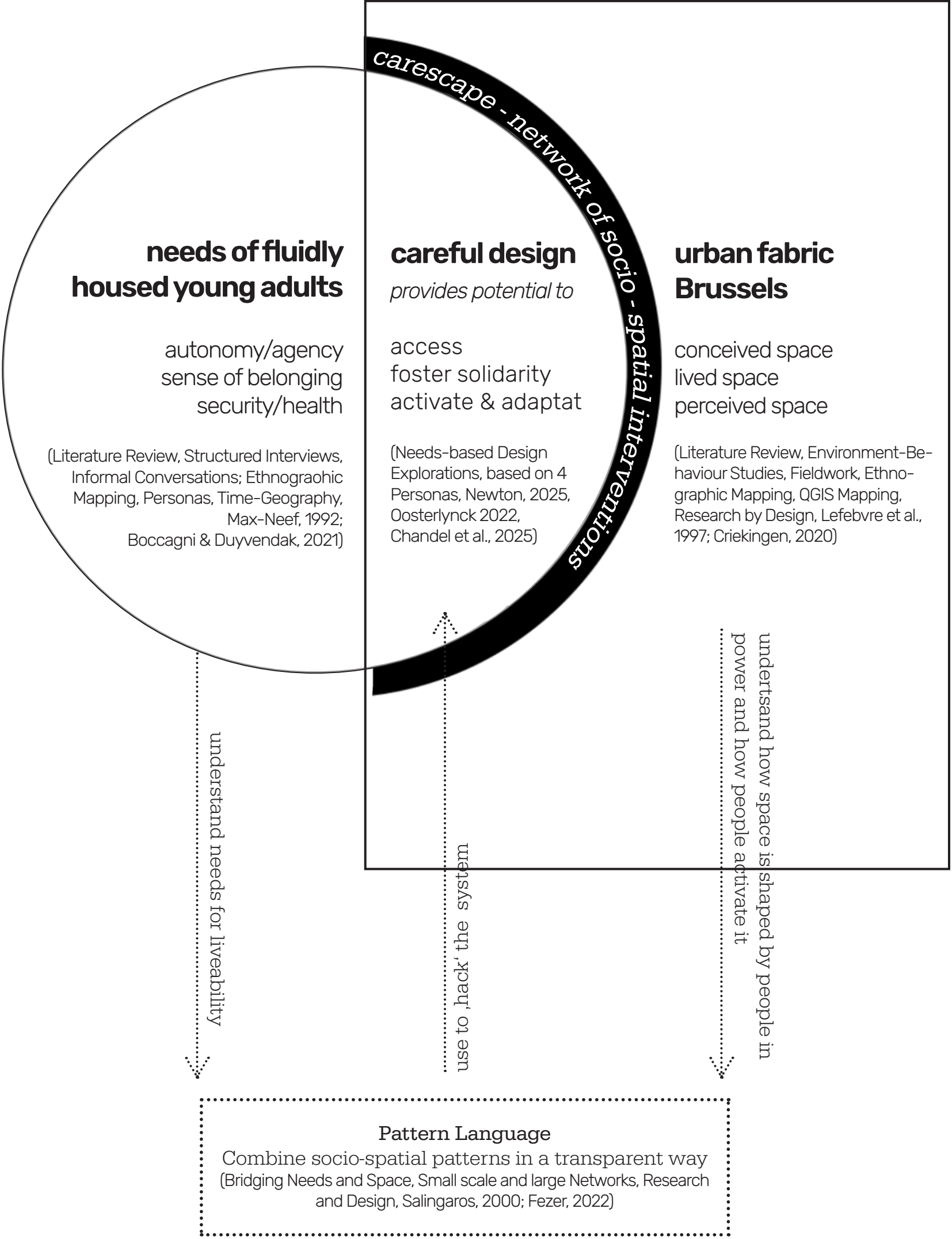
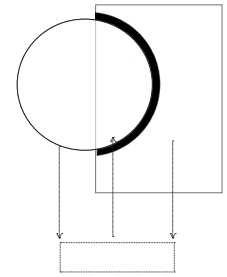
understand needs for liveability

use to hack the system

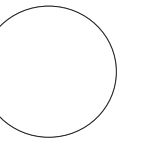
understand how space is shaped by people in
power and how people activate it

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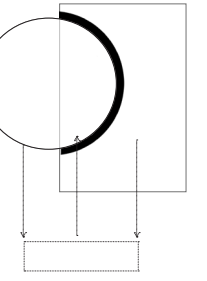
conceptual framework radical spatial imagination, own work



unlearning

,to make an effort to forget your usual way of doing something so that you can learn a new and sometimes better way'

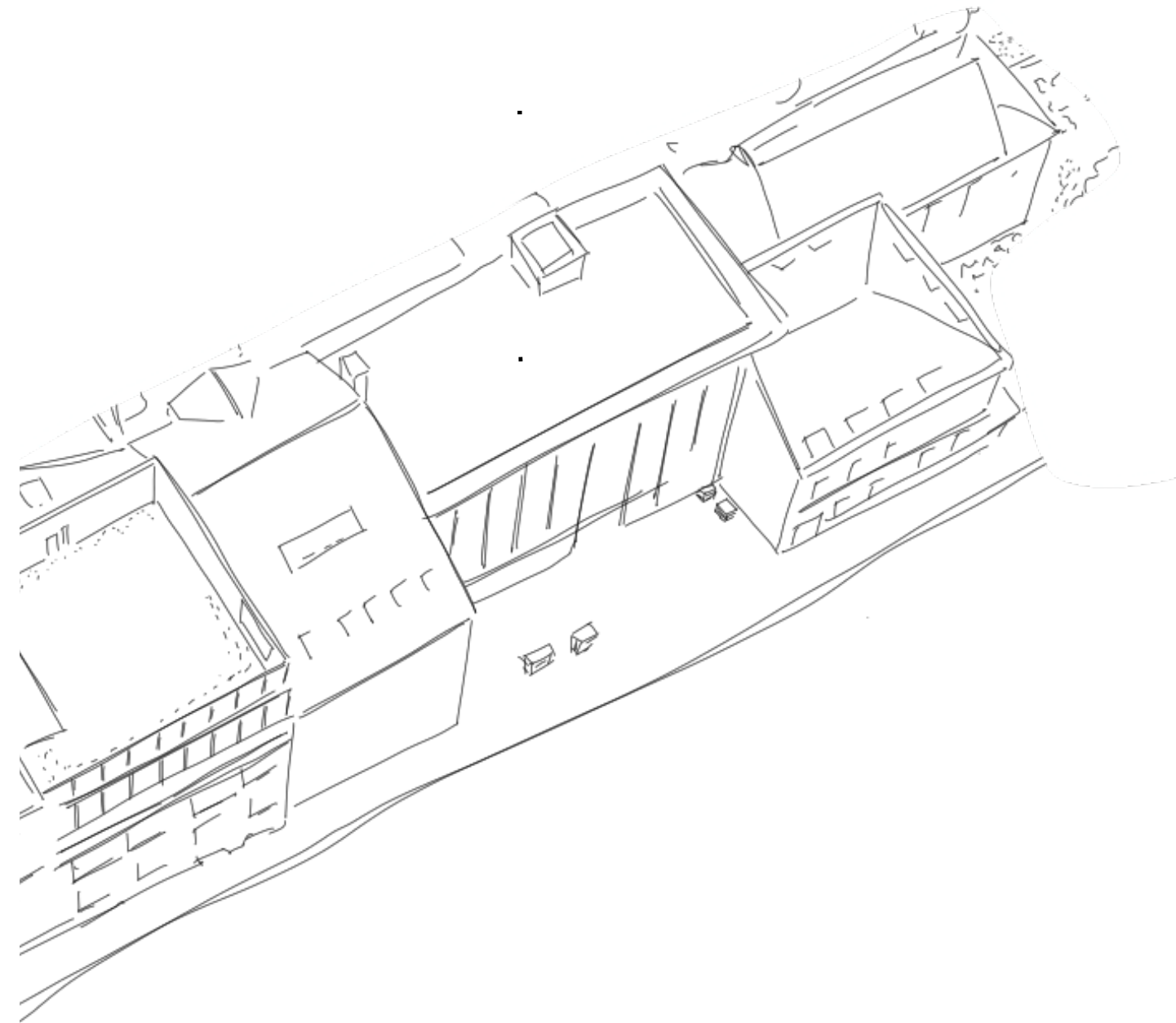
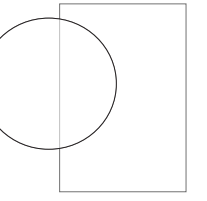
Cambridge Dictionary, 2025



shaped by and
shaping society

space is ~~neutral~~

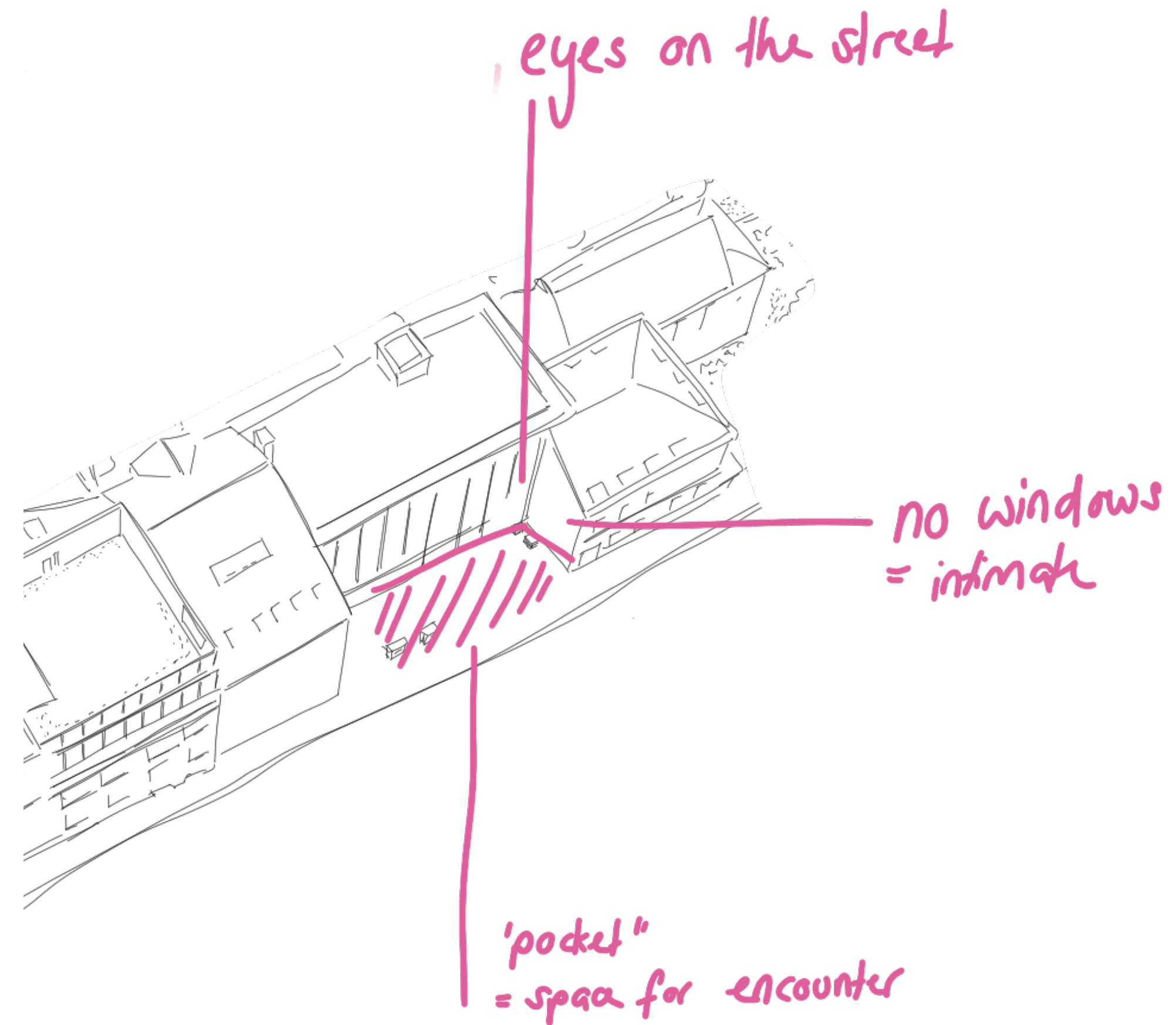
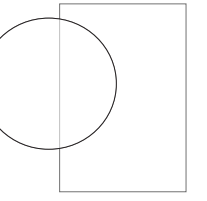
what are patterns?



central patterns and patetrns to activate
them, own work

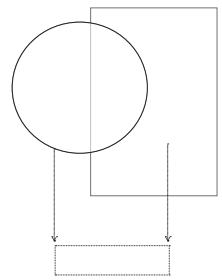
what are patterns?

spaces that provide potentials for young
fluidly housed adults to interact with
space or with each other through space



central patterns and patterns to activate
them, own work

organizing patterns



Source

- Literature
- Fieldwork
- Research by Design

System

- F Food
- W Water
- S Shelter
- A Agency
- Sa Satisfiers

Quantity

Number of cards in each type of pattern

Title

gives a first overview of the theme of each pattern

Principles for Careful Design

- Access
- Foster Solidarity
- Activate
- Adapt

Image

makes the pattern accessible to people and invite them to get involved

Links

Different patterns can be linked within and across the pattern fields. The ones that complement each other or solve the same problem are linked. The other connections will be displayed in the pattern field.

Hypothesis

explains the socio-spatial connection of each pattern

Type

- P Policy
- S Spacial
- C Community

A.18

Back and Forth

Connected to: Sa.2, Sa.3, Sa.5, Sa.6, Sa.7, Sa.8, A.50, A.51, A.52, A.53, A.54

Similar to: A.17, A.19, A.20, A.21, A.22

Mutual support: A.1, A.12, A.17, A.19, A.20, A.21, A.22, A.23, A.29

Supports: A.24, A.25, A.26

Enables: A.49, S.18

S

Architectural setbacks create transitional spaces that invite public appropriation, fostering social interaction, urban vitality, and adaptive use.



Theoretical Backup - why?

In Brussels, many of these spaces encourage public appropriation by providing room for gathering, lingering, and informal activities. This fosters social interaction, enhances urban vitality, and allows for adaptive uses such as seating areas, and cultural events.

Social implication - how?

top down

bottom up

Municipal regulations mandate setbacks to create semi-public spaces.
Governments offer tax benefits or increased floor-area ratios for projects incorporating accessible setbacks.
Cities integrate setback requirements into master plans to promote interactive streetscapes.
Local groups repurpose setback spaces with temporary furniture, art, or greenery.
Neighborhood associations advocate for inclusive, user-friendly setback designs.

Spatial implication - where?

extrovert

introvert

commercial streets
Public squares
plazas
Semi-Public Spaces
University campuses
Library and museum forecourts
Inner courtyards of mixed-use buildings

Related Emotions

- privacy & security
- solidarity & community
- flexibility & autonomy

Scales

- xs materials
- s furniture
- m buildings
- l squares
- xl streets, networks and city

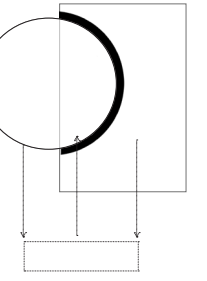
social implication

describes measures with which this pattern can be implemented and naming a responsible care-taker

spatial implication

describes suitable locations on where this pattern can be implemented

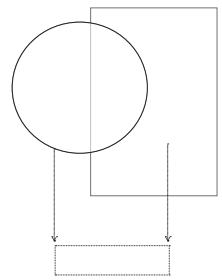
exemplary pattern, own work



by providing the potential
to be activated + adapted
to shifting needs

change happens ~~top-down~~

undertsanding how to use patterns



Source

□

 Literature

△

 Fieldwork

○

 Research by Design

System

F Food

W Water

S Shelter

A Agency

Sa Satisfiers

Quantity

Number of cards in each type of pattern

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gives a first overview of the theme of each pattern

Principles for Careful Design

■

 Access

■

 Foster Solidarity

■

 Activate

■

 Adapt

Image

makes the pattern accessible to people and invite them to get involved

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Hypothesis

explains the socio-spatial connection of each pattern

Type

P Policy

S Spacial

C Community

A.31

Plugin Construction

Connected to: Sa.1, Sa.2, Sa.3, Sa.4, Sa.5, Sa.6, Sa.7, Sa.8

Supports: A.12, A.17, A.19, A.21, A.22, A.23, A.29, A.32, A.33, A.34, A.35

Supported by: A.37

Enables: A.5, S.15, W.1

Designing construction modes that allow for the easy addition or removal of elements empowers individuals to adapt their environment to personal needs, even without prior knowledge or expertise.

S

■

 privacy & security

■

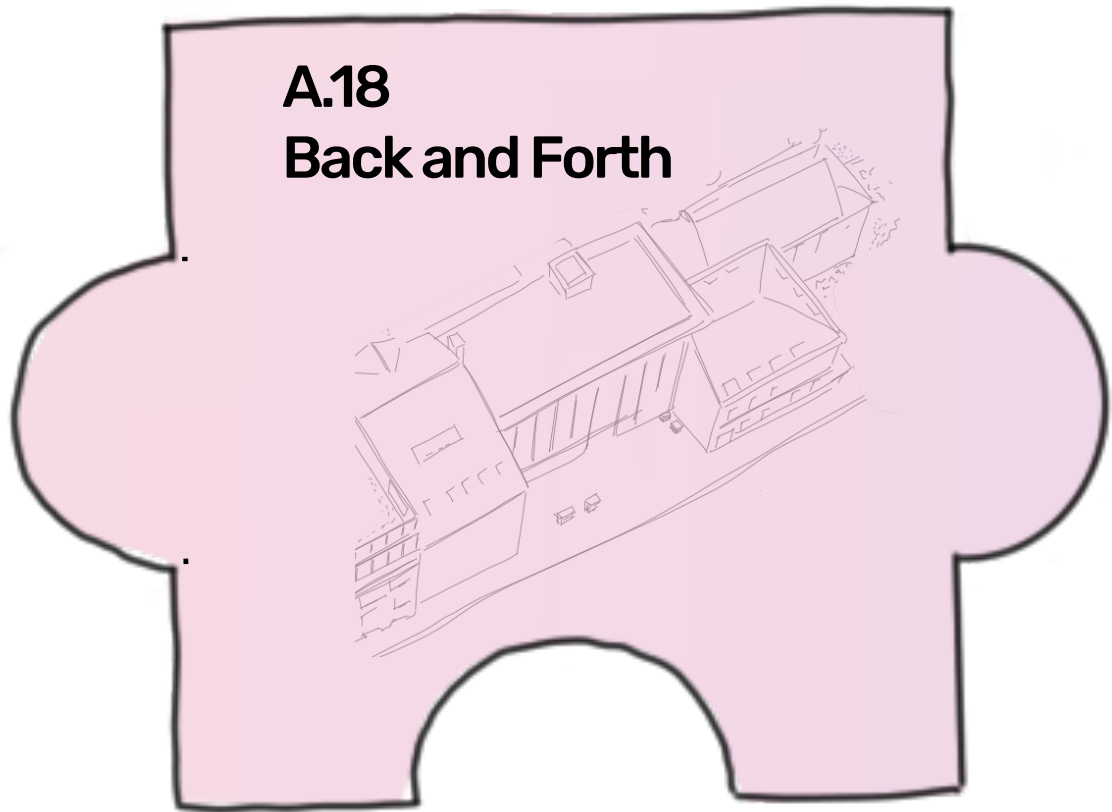
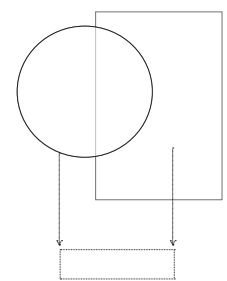
 solidarity & community

■

 flexibility & autonomy

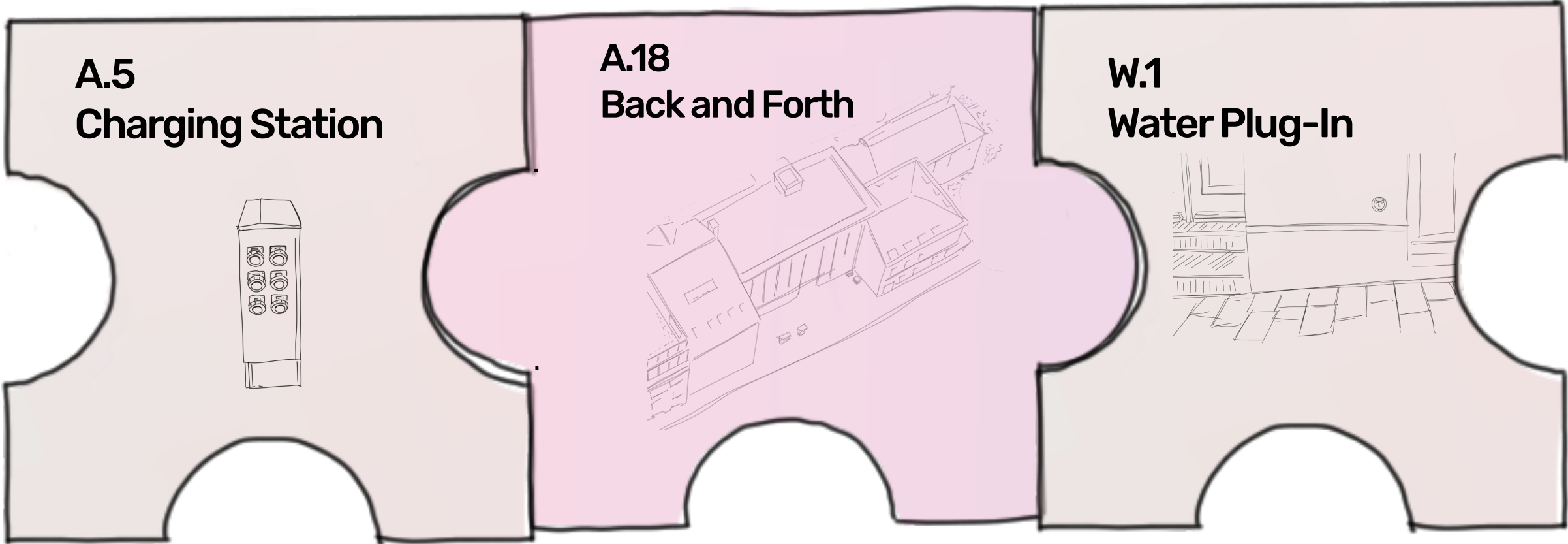
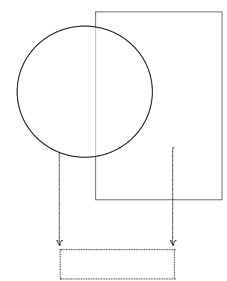
exemplary pattern,
own work

undertsanding how to use patterns



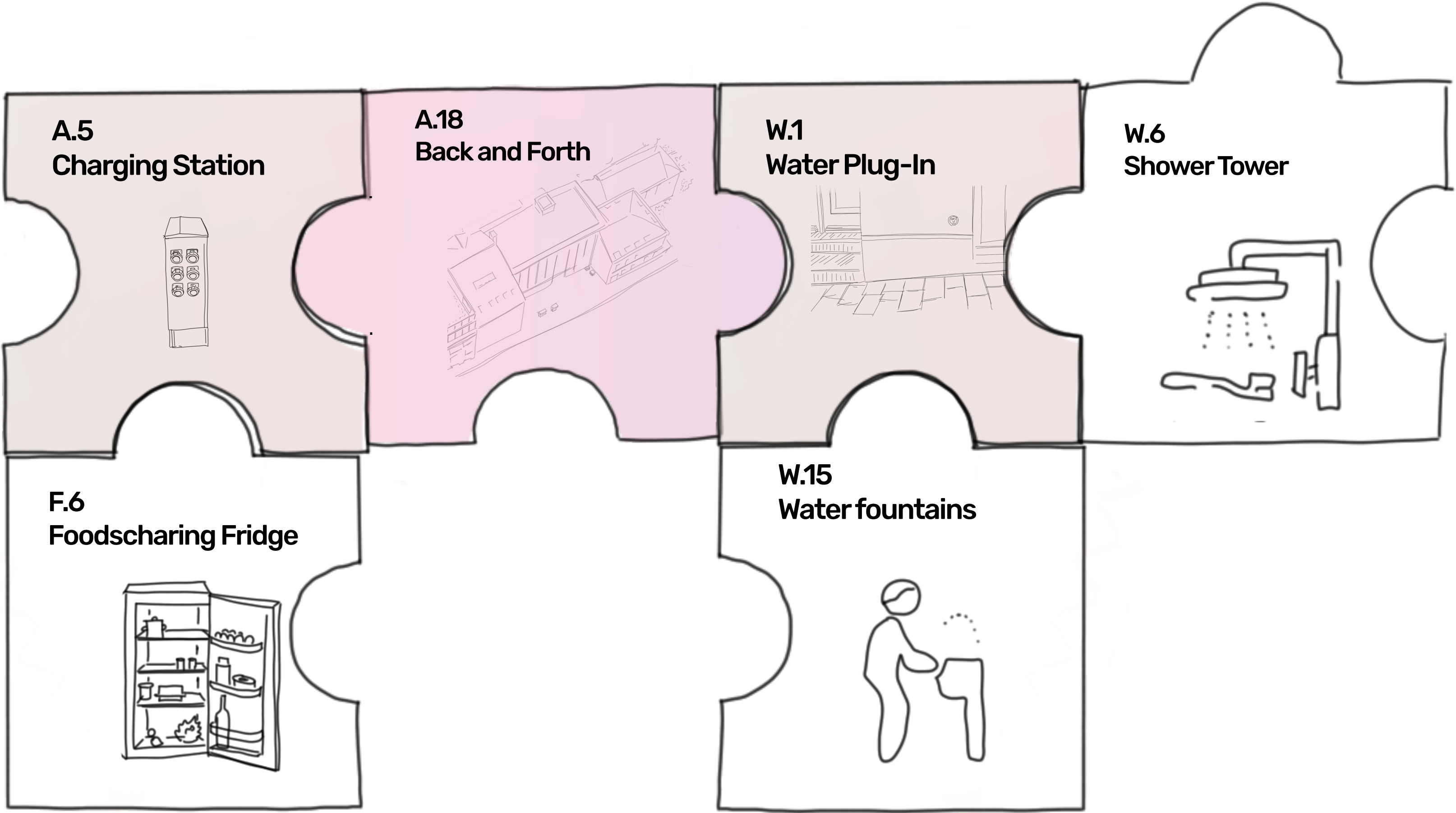
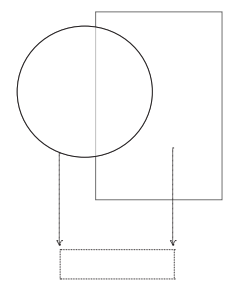
central patterns and patetrns to activate
them, own work

undertsanding how to use patterns



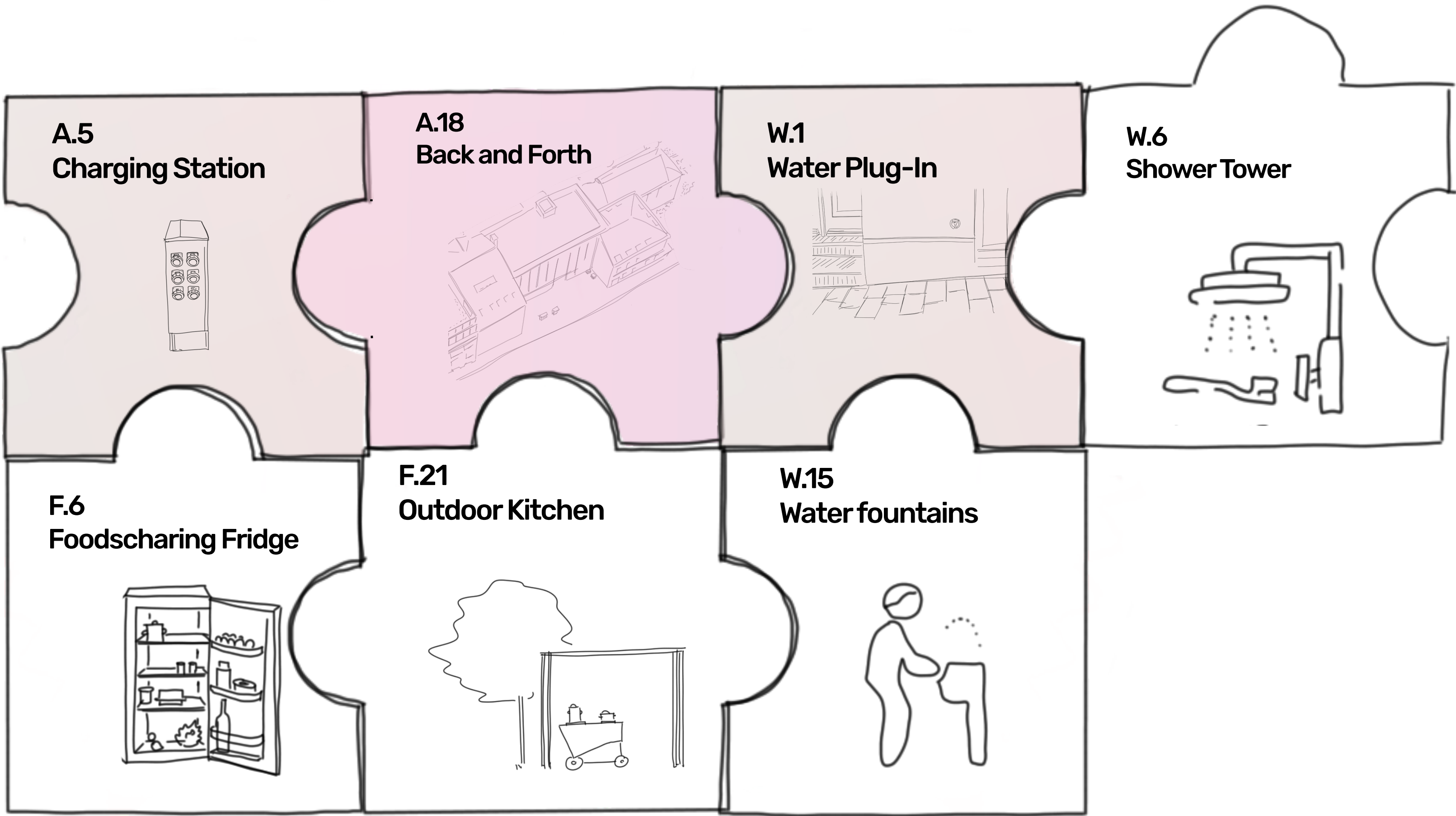
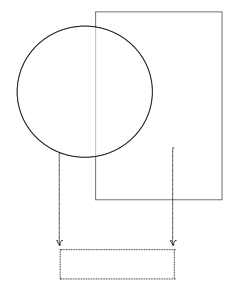
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undertsanding how to use patterns



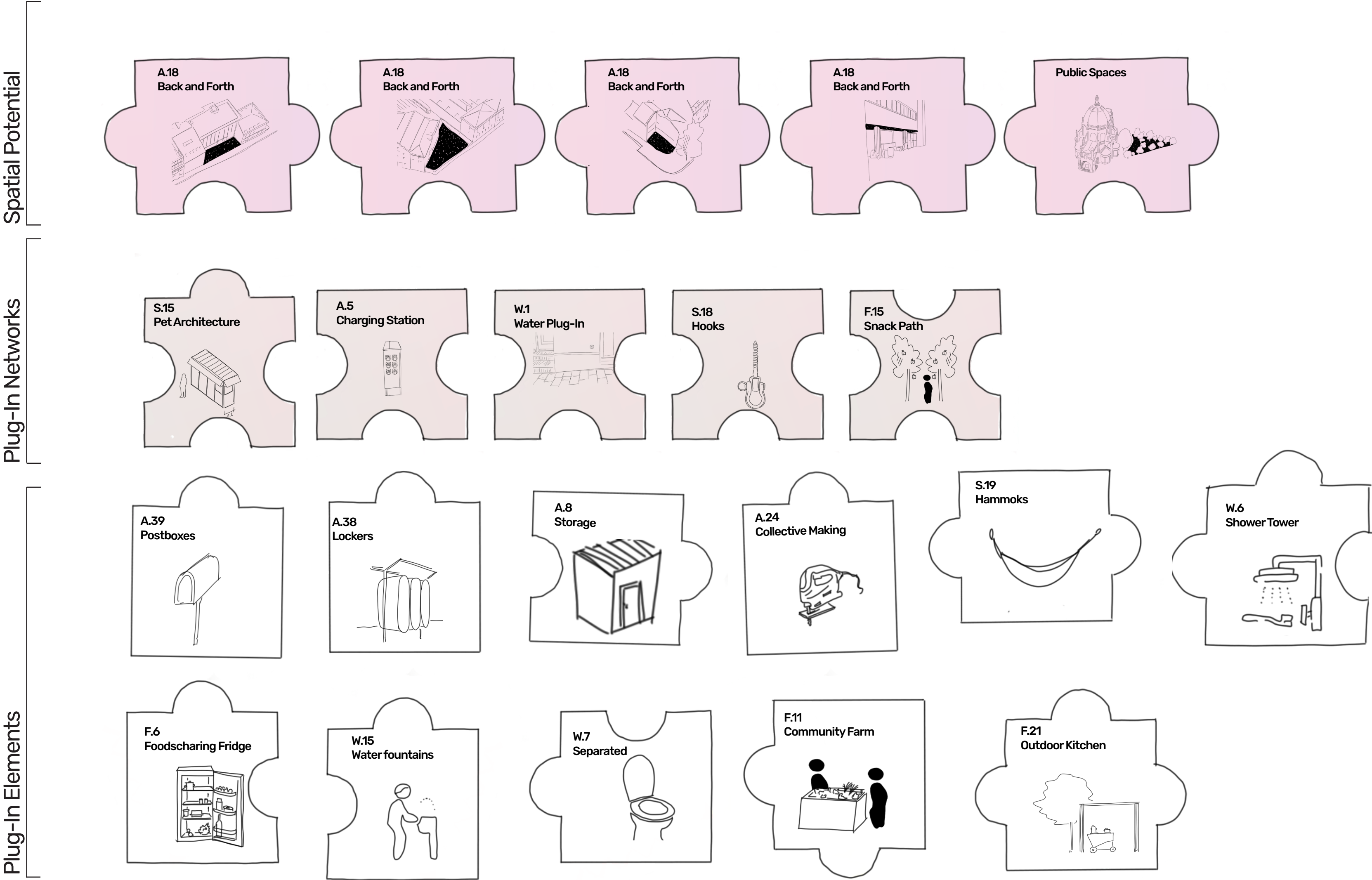
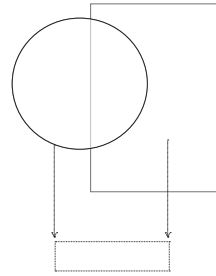
central patterns and patetrns to activate them, own work

undertsanding how to use patterns



central patterns and patetrns to activate
them, own work

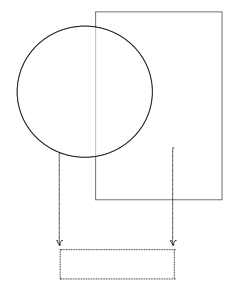
undertsanding how to use patterns



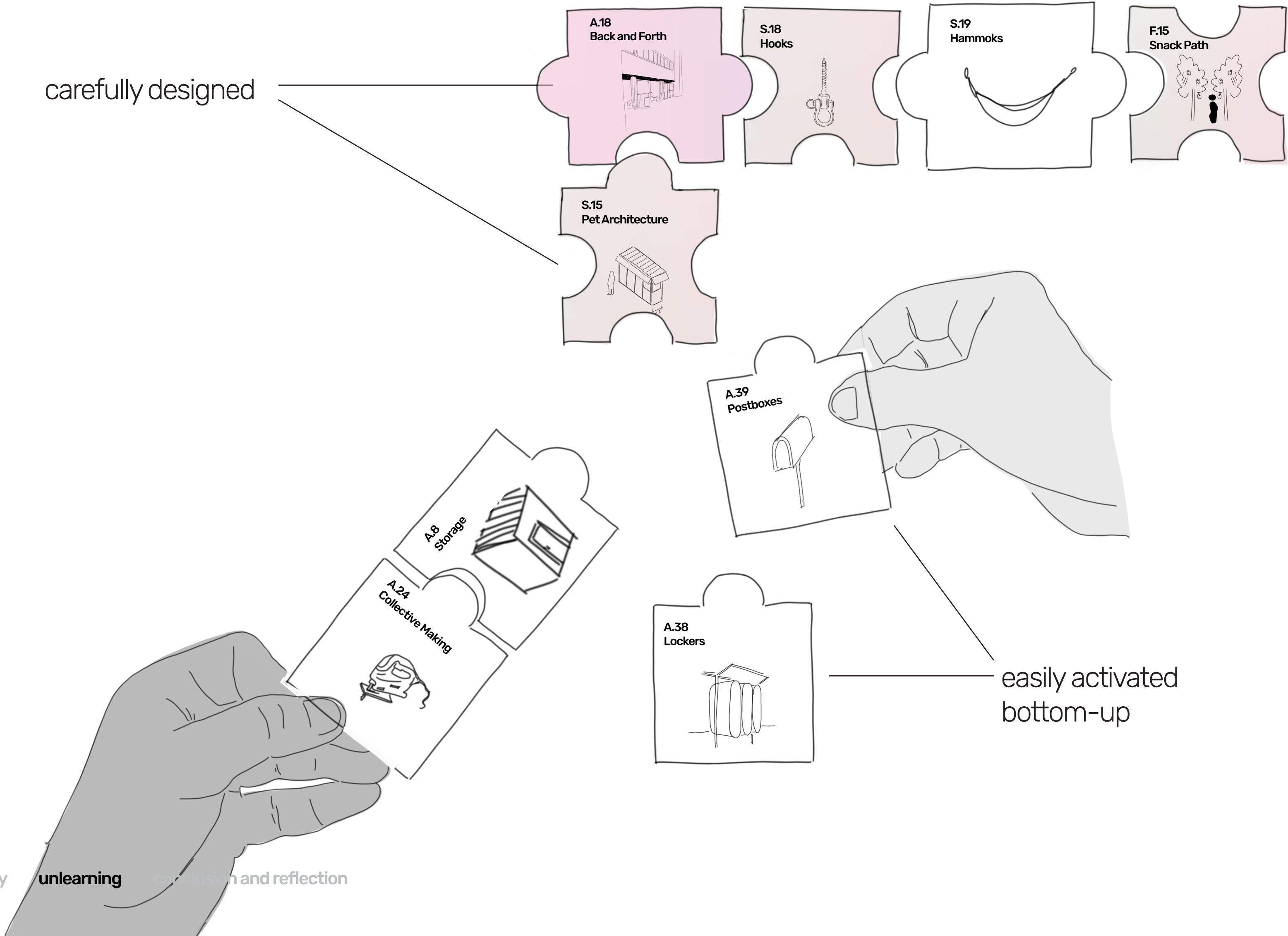
conceived space
abstract top-down

lived space
activated bottom-up

undertsanding how to use patterns



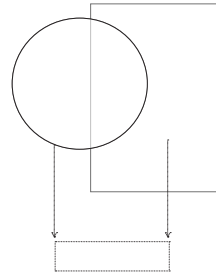
carefully designed



easily activated
bottom-up

possibilities to plug-in interventions,
own work

adaptable method for careful design



Sa.1 Accessible Food

Sa.2 Accessible Water

F.1 Waste Restaurant

F.2 Social Restaurant

F.3 Cooperative Supermarket

F.4 Meal for 2

F.5 Fermented Food

F.6 Foodsharing Fridge

F.7 Shit Dry!

F.8 Composter

F.9 Domestic Biogasifier

F.10 Collection Pockets

F.11 Community Farm

F.12 Edgely

F.13 Park to Farm

F.14 Alternative Food

F.15 Snack Path

F.16 Herbal Recreation

F.17 Cobble Urban Crackle

F.18 Waste to Value

F.19 Room for Trees

F.20 Dream Kitchen

F.21 Minimal Kitchen

F.22 Solar Multicooker

F.23 Solar Oven Box

Sa.2 Accessible Water

Sa.3 Hygiene

Sa.4 Privacy

W.1 Water Plug-In

W.2 Waterbound Gravel

W.3 Shower for 2

W.4 Separated

W.5 Solar Water Heater

W.6 Shower Tower

W.7 Mobile Services

W.8 Wastewater Phytopurification

W.9 Out in the Woods

W.10 Open Pathway

W.11 Native Flora & Fauna

W.12 Regenwippen

W.13 Watermanagement

W.14 Cooling Network

W.15 Water Fountains

Sa.4 Privacy

Sa.5 Security

S.1 Accessible Shelter

S.2 Music Seating

S.3 Anti Backrest

S.4 Arrived at the end

S.5 Urban Benches

S.6 Robust Furniture

S.7 Multifunctional

S.8 Climbing Panels

S.9 In-between

S.10 Shelter and Care

S.11 Shield from Rain

S.12 Shield from Eyes

S.13 Shield from Sun

S.14 Shield from Wind

S.15 Anti Architecture

S.16 Interstitial Room

S.17 Temporary Housing

S.18 Parks

S.19 Hammocks

S.20 Shelter-Suit

Sa.6 Economy & Flexibility

Sa.7 Accessible Knowledge

Sa.8 Collecting & Community

A.1 Own It!

A.2 Collective Care for Commons

A.3 Micro Funding

A.4 Pacts of Collaboration

A.5 Charging Stations

A.6 Low-Tech

A.7 4.5 meter grid

A.8 Storage

A.9 Lights

A.10 Employment for 2

A.11 Fair Factory

A.12 Allow Appropriation

A.13 Digital Participation

A.14 Cross-Subsidization

A.15 Community Land Trusts

A.16 Self-Governing

A.17 Scale on Outside

A.18 Back and Forth

A.19 Diverse Facades

A.20 Access Points face Collective Space

A.21 Wide Sidewalks

A.22 Eye-bye Fences

A.23 Book Library

A.24 Collective Making

A.19 Diverse Facades

A.20 Access Points face Collective Space

A.21 Wide Sidewalks

A.22 Eye-bye Fences

A.23 Book Library

A.24 Collective Making

A.25 Collective Art

A.26 Workshops

A.27 Kitchens

A.28 Commons Radio Zone

A.29 Keys for Vulnerable Architecture

A.30 Rainbow House

A.31 Plug-in Construction

A.32 Urban Mining

A.33 Transportable

A.34 Universal Modular Design

A.35 Keeping Track

A.36 Housing First

A.37 Biodegradable Materials

A.38 Workers

A.39 Postboxes

A.40 Bench with Storage

A.41 Internet Access

A.42 Digital Registration

A.43 Open Source

A.44 Legal Help and Guidance

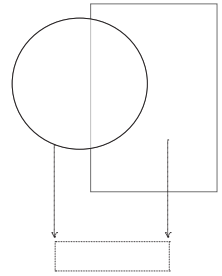
A.45 Where to go?

A.46 Food for 2

A.47 Biodegradable Ticket

A.48 Goodnight

centered around human needs



1 Accessible Food

Sa.1

Accessible Food

Connected to:
F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, A1, A2, A3, A4, A5, A6, Sa.2, Sa.3

Access to free food through snack paths and community kitchens provides essential nutrition, reduces food insecurity, and improves the well-being and liveability of unhoused young adults.

2 Accessible Water

Sa.2

Accessible Water

Connected to:
Sa.1, Sa.3, F1, F2, F3, F5, F11, F12, F13, F15, F16, F19, W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, A6

Access to clean, drinkable water in the city improves health, hydration, and overall well-being, significantly enhancing the liveability of unhoused young adults.

3 Accessible Shelter

Sa.3

Hygiene

Connected to:
Sa.2, Sa.4, W1, W3, W4, W5, W6, W7, W8, W13, W15, A6

Being able to maintain hygiene is essential for both pphysical and mental well-being.

74 Autonomy, Knowledge & Solidarity

Sa.4

Privacy

Connected to:
Sa.2, Sa.3, Sa.5, A7, A8, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, W1, W3, W4, W6, W7

Enabling fluidly housed individuals to enjoy private settings for intimate uses is essential to improve liveability.

Sa.5

Security

Connected to:
Sa.4, A7, A8, A9, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, F11, F13, F15, F20, S15

Ensuring the protection of rights promotes dignity and equality, improving liveability for unhoused young adults.

Sa.6

Autonomy & Flexibility

Connected to:
Sa.7, Sa.8, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, W1, W8, W9, F11, F13, F15, F20, S15

Many young fluidly housed adults choose flexibility over security, therefore flexibility enhances their liveability

Sa.7

Accessible Knowledge

Connected to:
Sa.6, Sa.8, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, W1, W8, W9, F11, F13, F15, F20, S15

Access to knowledge through libraries, digital resources, or educational programs empowers unhoused young adults, fostering personal growth, skill development, and improved liveability.

Sa.8

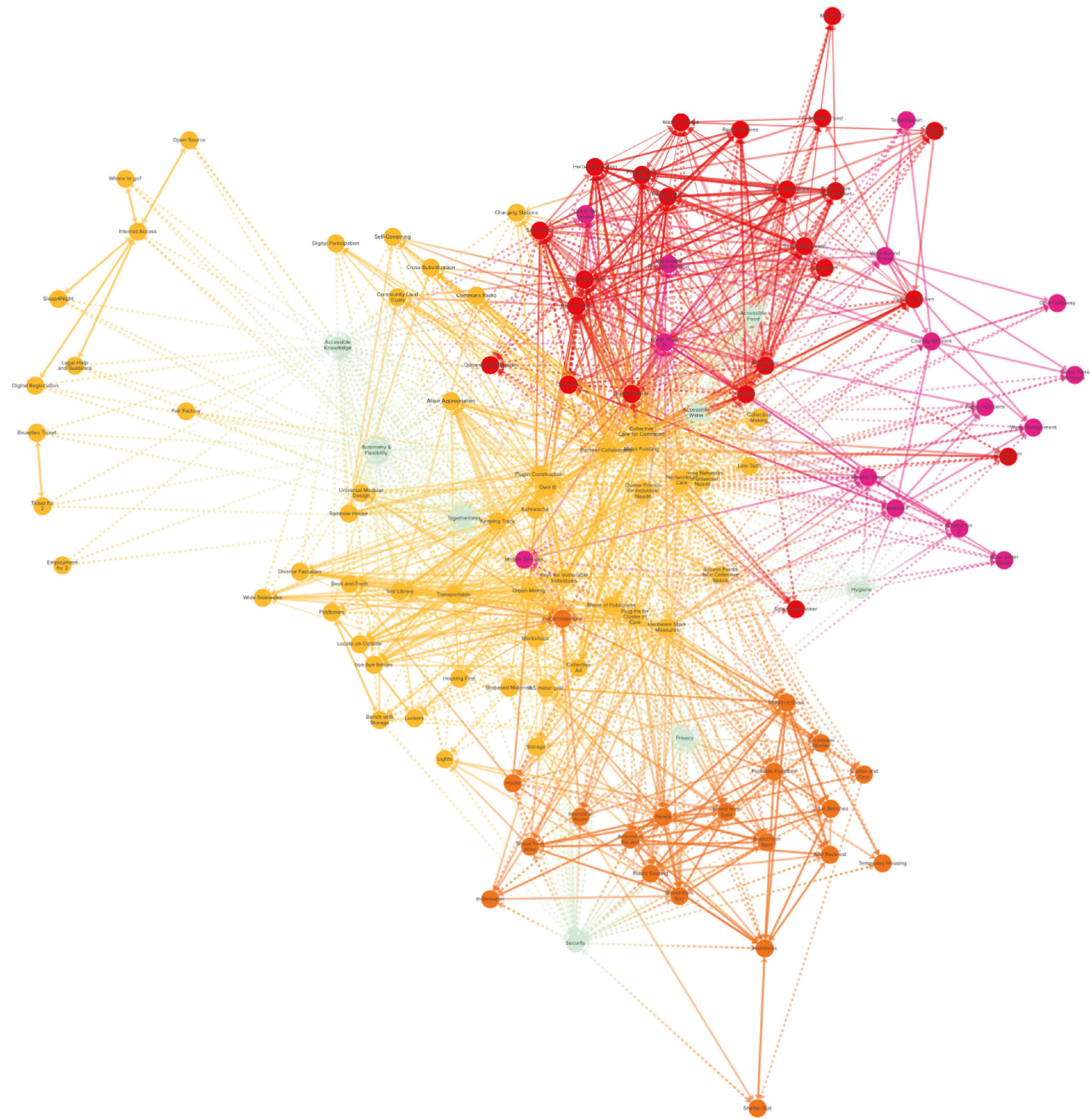
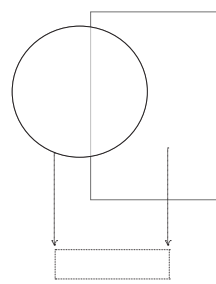
Solidarity & Community

Connected to:
Sa.6, Sa.7, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, W1, W8, W9, F11, F13, F15, F20, S15

Solidarity fosters emotional stability, resilience, and access to shared resources, helping young fluidly housed adults better navigate the uncertainties of everyday life.

identified satisfiers and systems, own work

systemic method that forms the pattern language



- connected

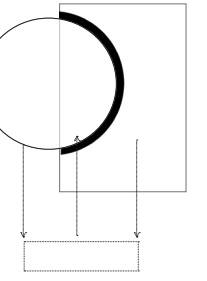
satisfiers
- similar

food
- supports

water
- enables

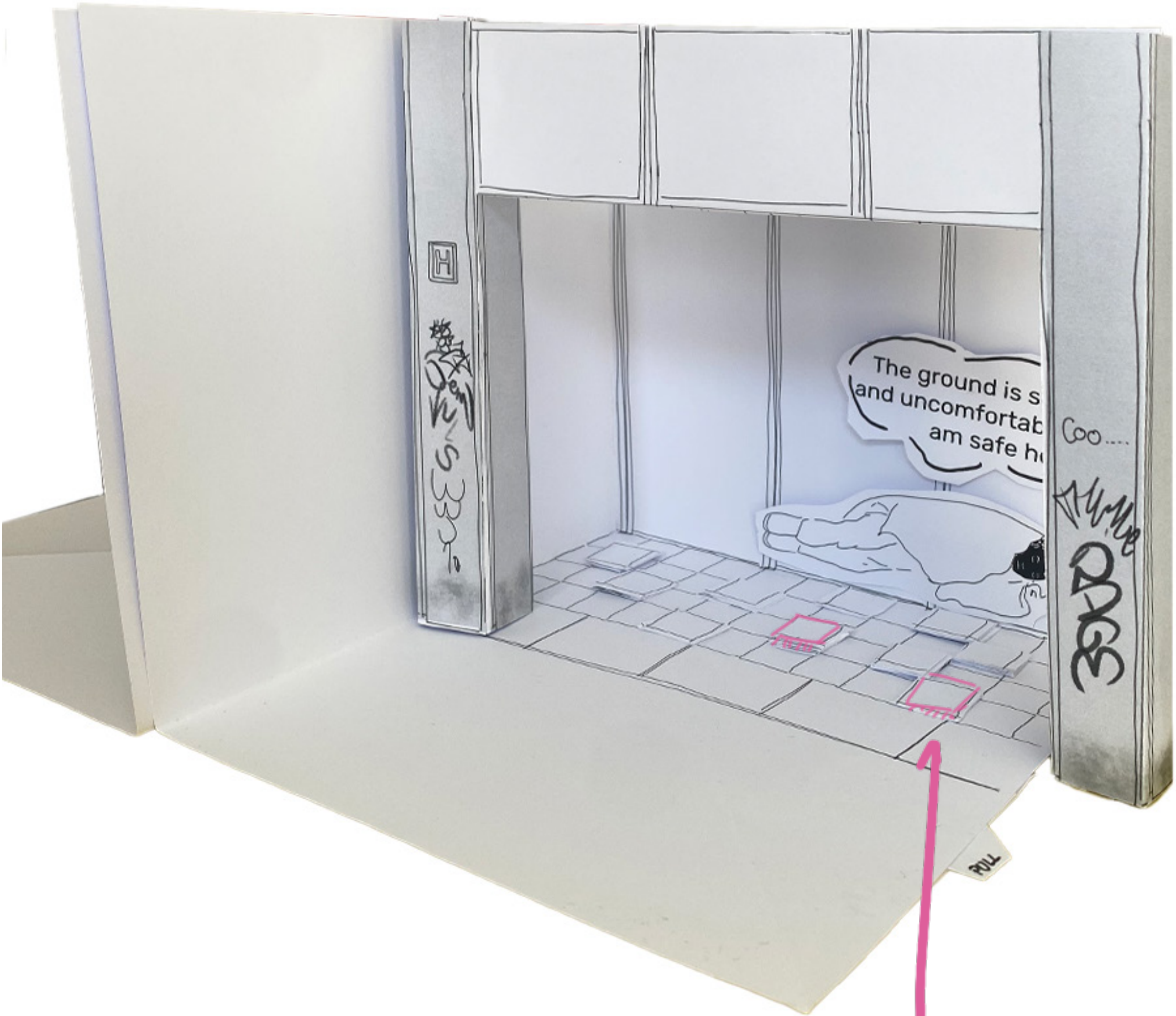
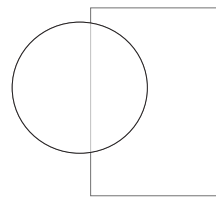
shelter
- agency

pattern field visualized with kumu.io,
own work



design is ~~neutral~~ *a political act
of care and resistance*

understanding how to hack with patterns of care



← colonades

uneven
ground

A.2

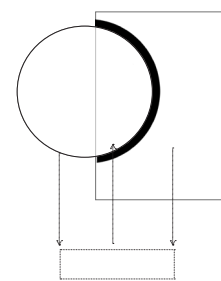
Collective Care for Commons

Connected to: Sa.1, Sa.2, Sa.3, Sa.4, Sa.5, Sa.6, Sa.7, Sa.8
Similar to: A.1, A.13, A.14, A.15, A.16
Enabled by: A.1, W.1
Mutual support: A.3, A.4
Enables: F.1, F.2, F.6, F.11, F.12, F.13, F.15, F.16, F.17, F.20, F.21, W.8, W.9, A.12, A.23, A.24, A.25, A.26, A.28, A.29

Establishing a legal framework for collaborative governance between citizens and municipalities fosters sustainable urban stewardship, social cohesion, and shared responsibility.

photograph of booklet ,patterns of fluid housing'; own work

understanding how to hack with patterns of care



S.13

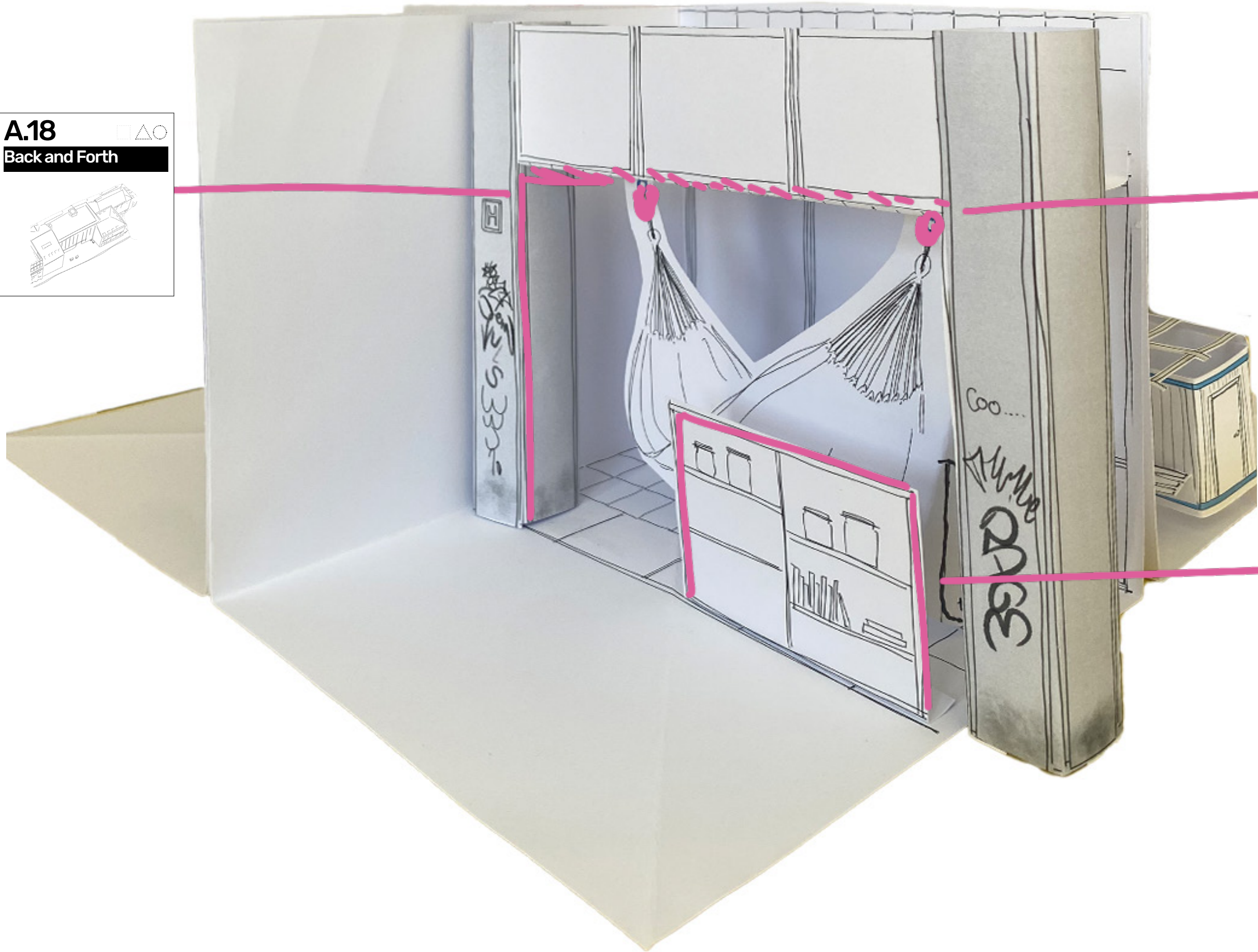
Shield from Sun

S.11

Shield from Rain

A.18

Back and Forth



S.18

Hooks

S.19

Hammocks

F.10

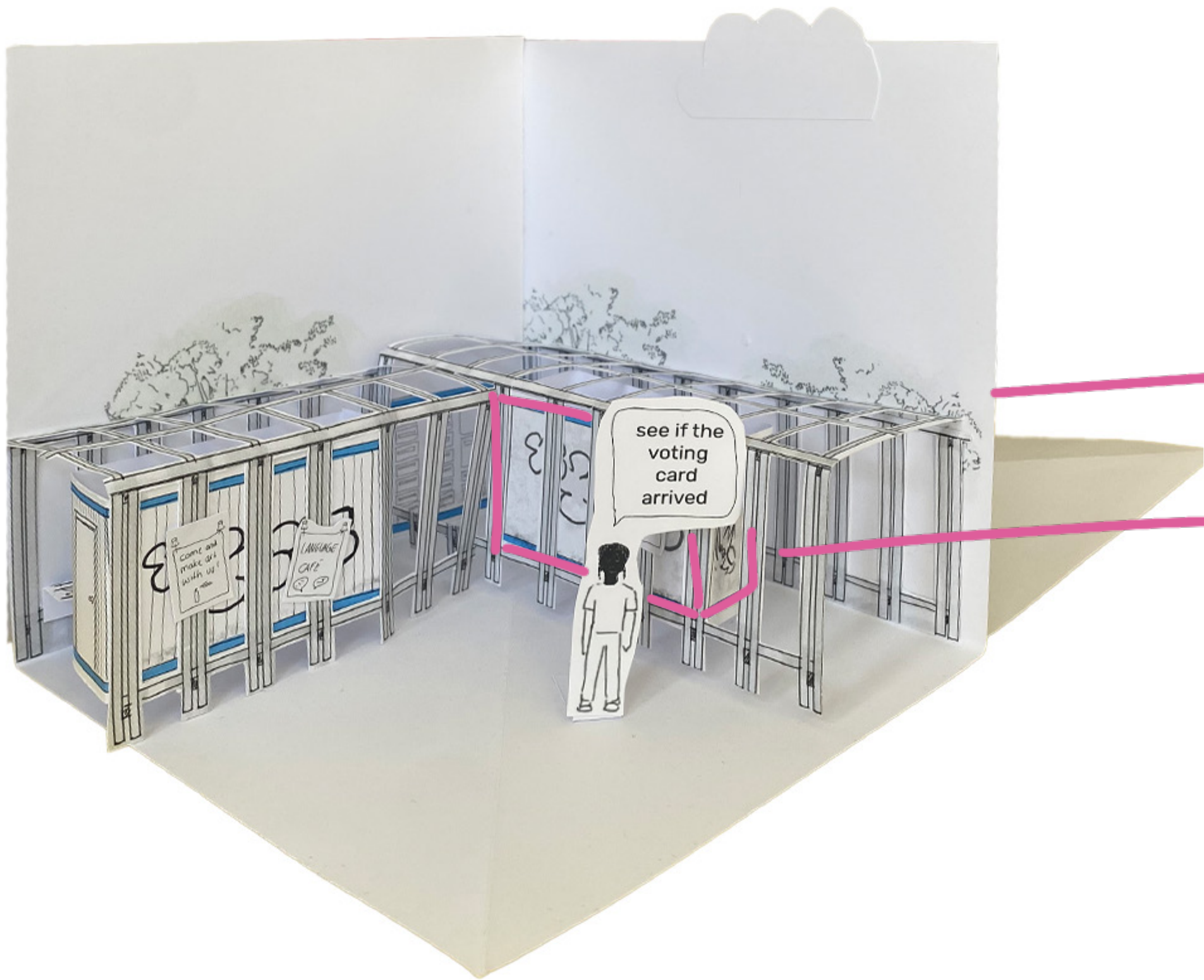
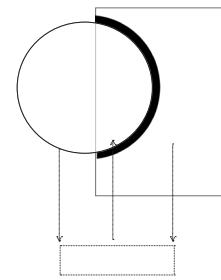
Collection Pockets

S.12

Shield from Eyes

photograph of booklet ,patterns of care and resistance' and related patterns, own work

understanding how to hack with patterns of care



A.34

Universal Modular Design

A.32

Urban Mining

A.33

Transportable

S.15

Pet Architecture

A.39

Postboxes

A.38

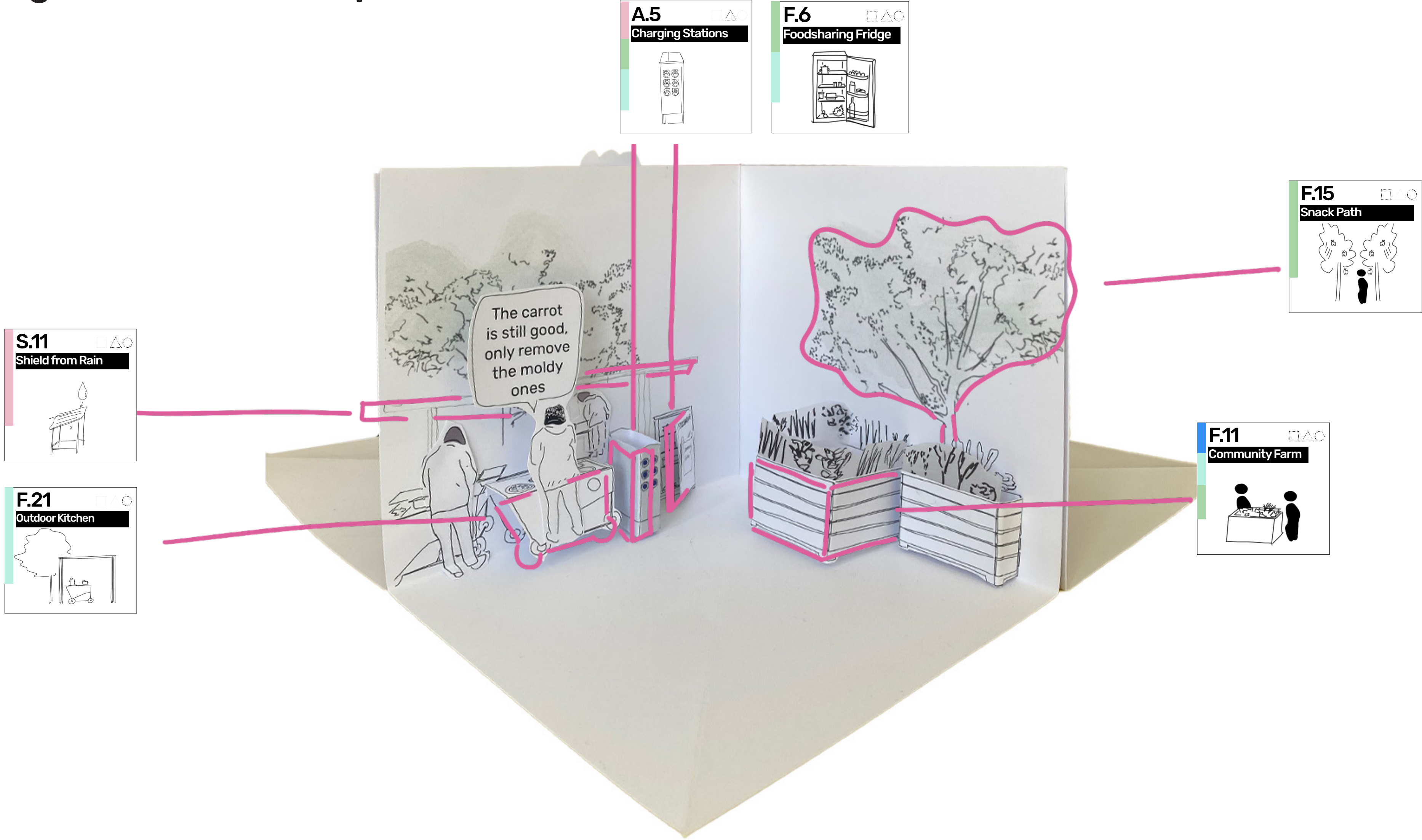
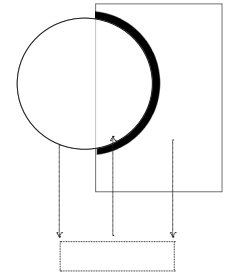
Lockers

A.31

Plugin Construction

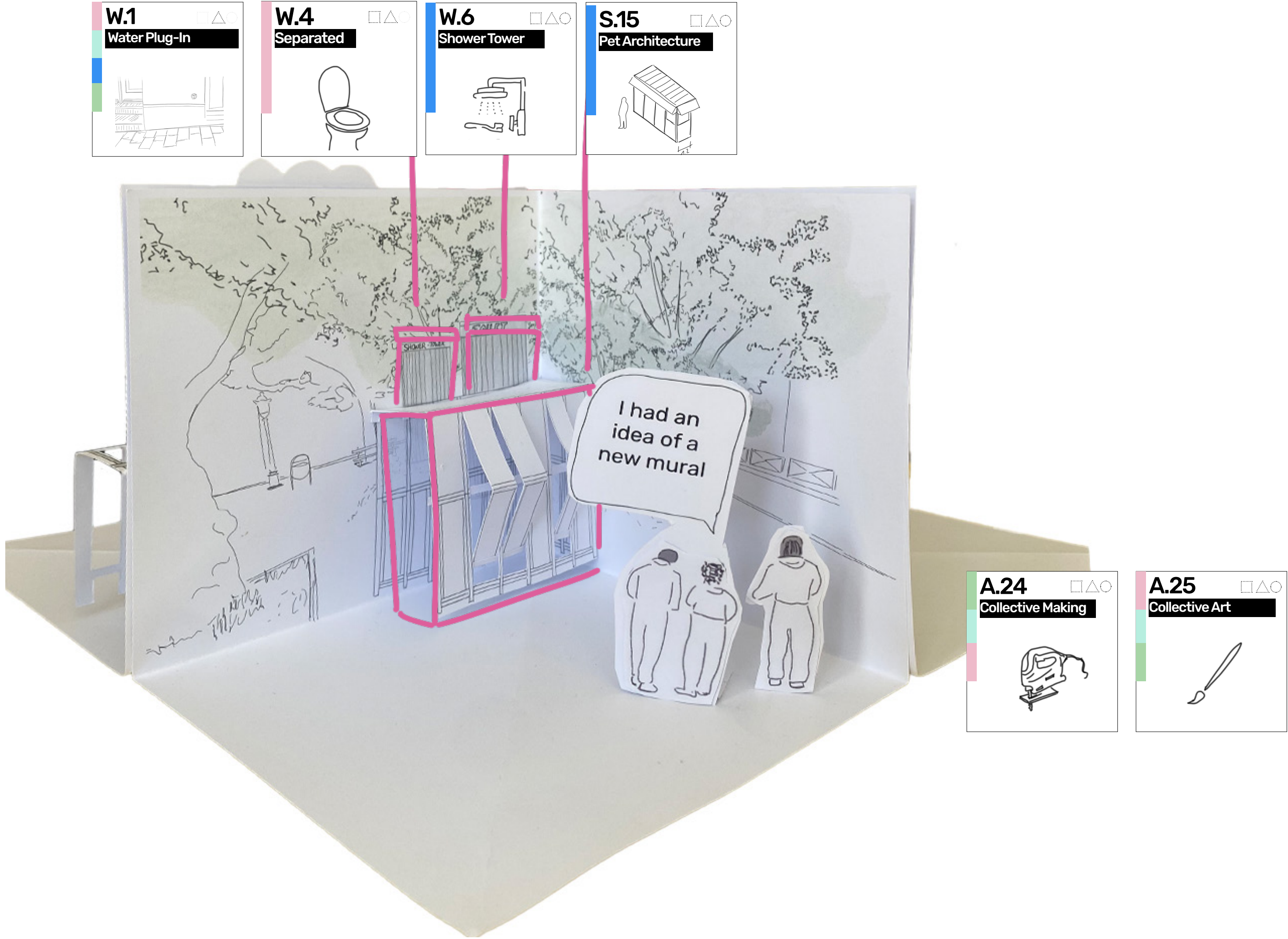
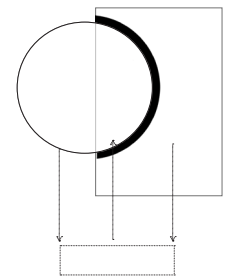
photograph of booklet ,patterns of care and resistance' and related patterns, own work

understanding how to hack with patterns of care



photograph of booklet ,patterns of care and resistance' and related patterns, own work

understanding how to hack with patterns of care



photograph of booklet ,patterns of care and resistance' and related patterns, own work

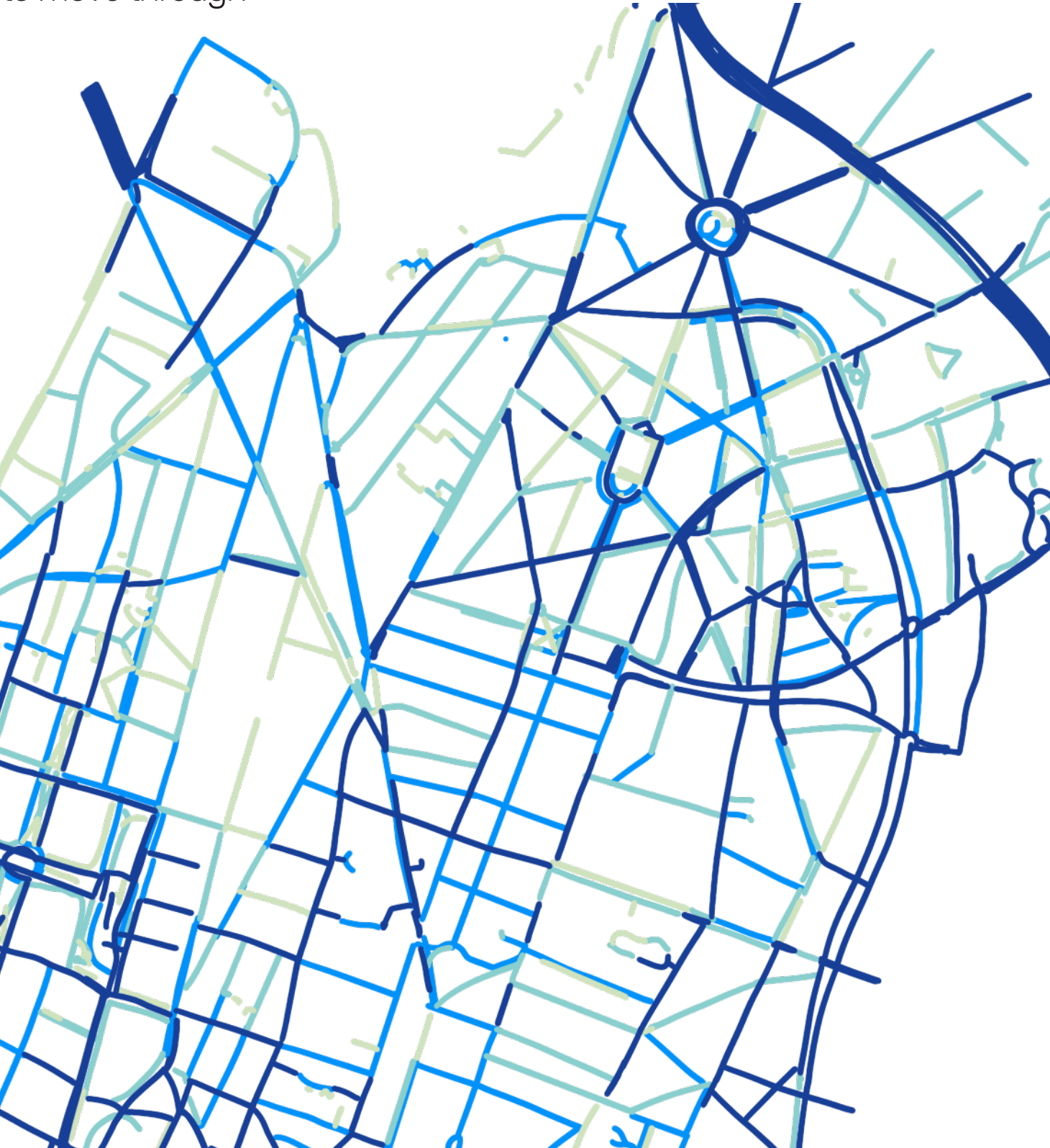
How can urban design become a tool to hack systems of marginalization—quickly improving the lives of young fluidly housed adults while creating lasting spaces of solidarity?



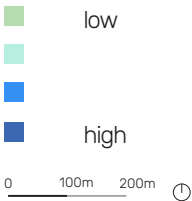
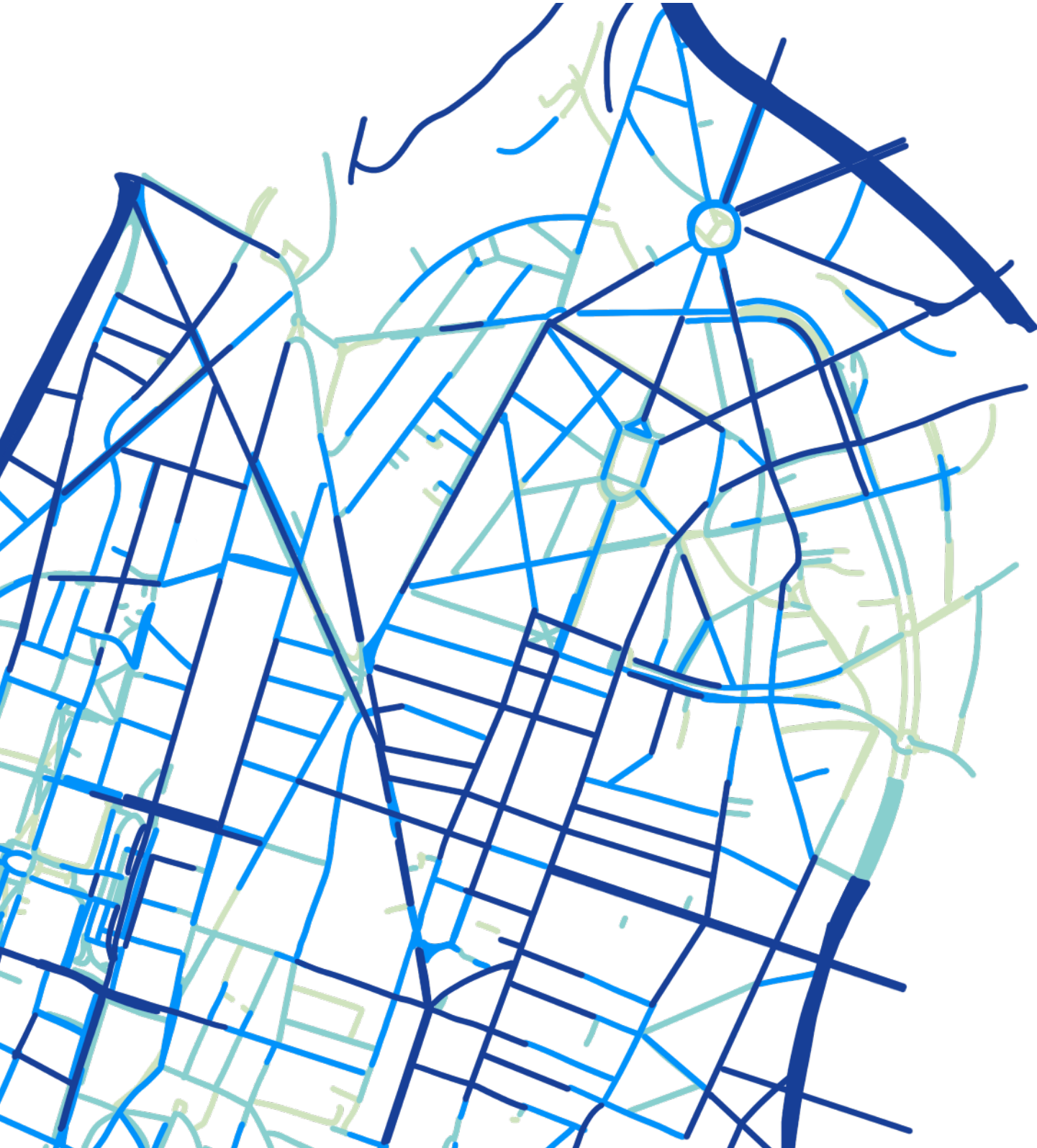
understanding how to create networks of care



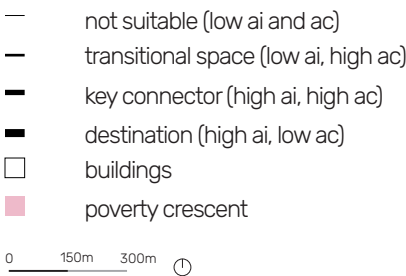
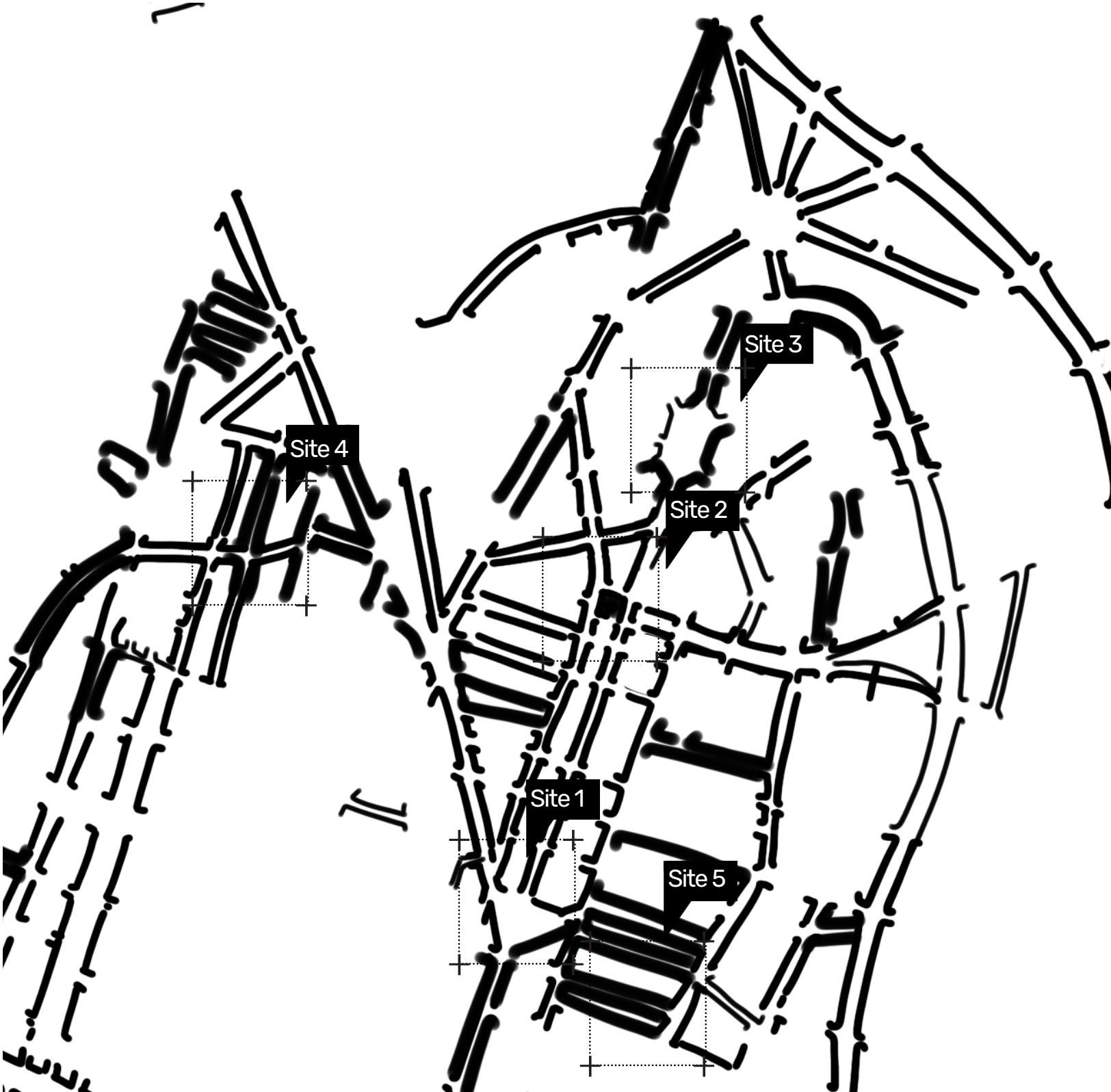
angular choice
how probable a street is chosen
to move through



angular integration
how easy a street is to reach

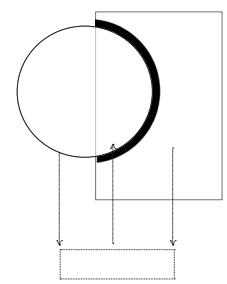


suitable locations
based on overlap of angular choice and integration

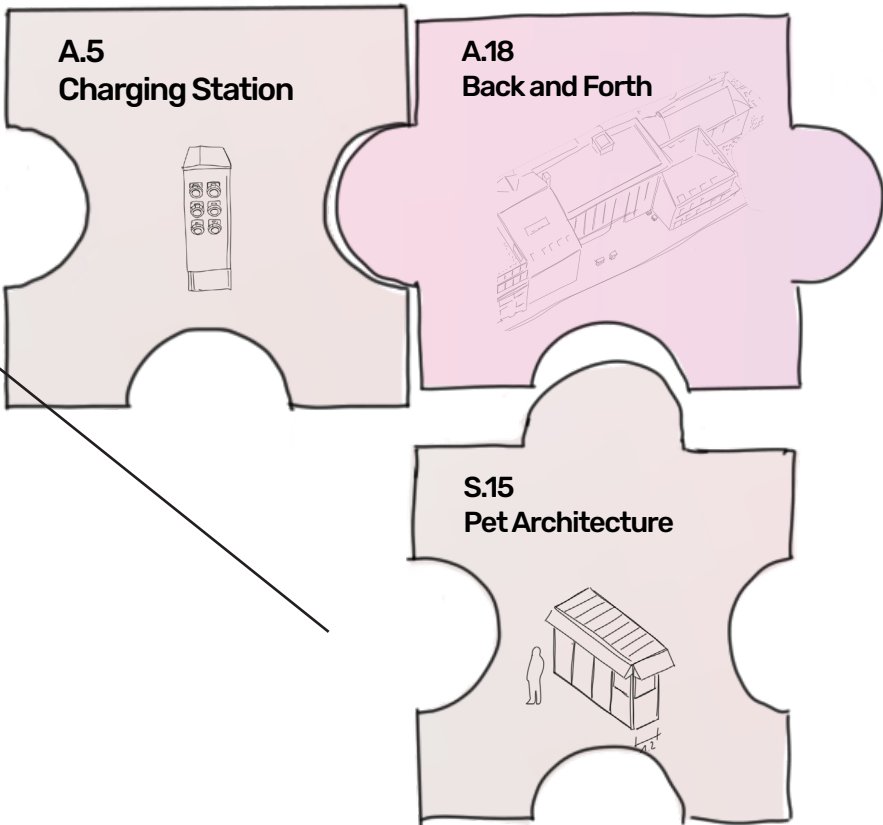


suitable locations based on
environment-behaviour science,
own work

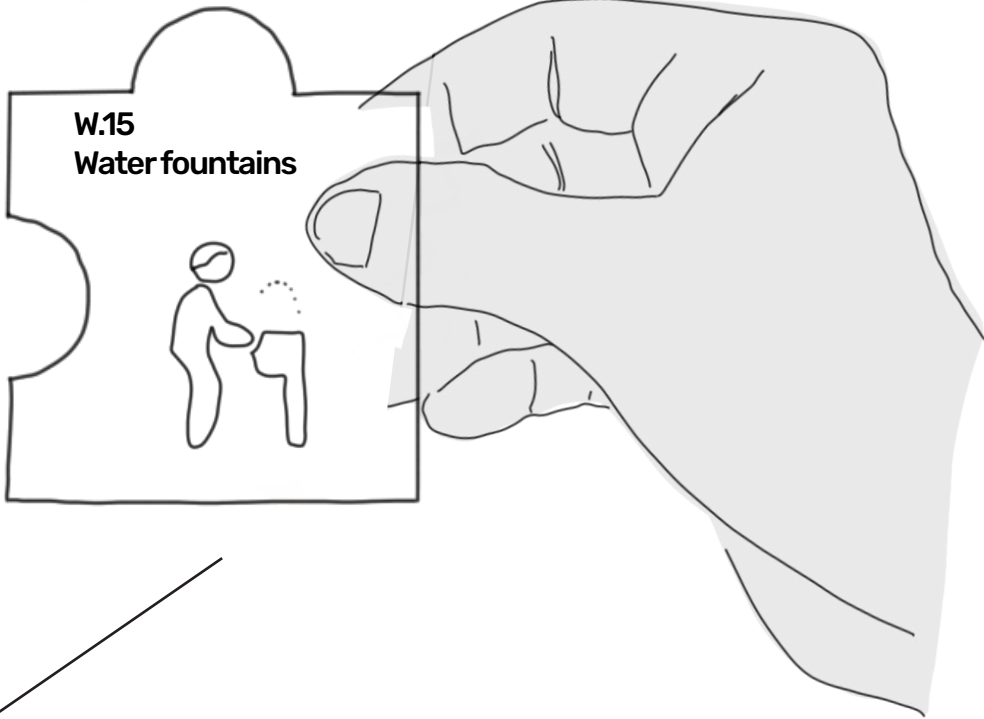
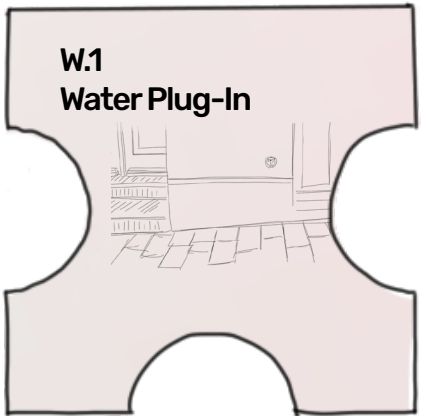
understanding how to create networks of care



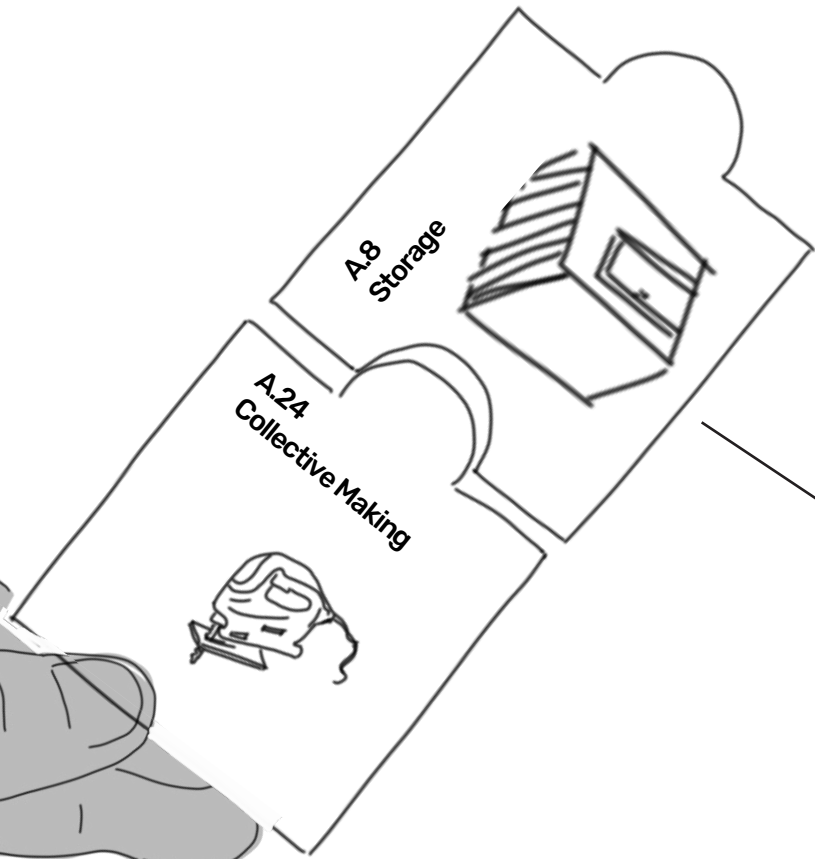
carefully designed
for solidarity



carefully designed
for access

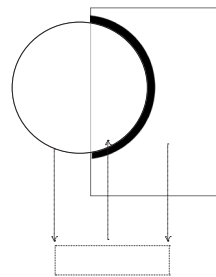


carefully designed
to be activated and adapted



possibilities to plug-in interventions,
own work

understanding how to create networks of care



A.52

Networks of Care

Connected to: F.1-F.23, W.2-W.15, S.1-S.18, A.1, A.2, A.3, A.6, A.7, A.8, A.9, AN10, A.11, A.14, A.15, A.16, A.18, A.20, A.23, A.24, A.25, A.26, A.28, A.30, A.34, A.36, A.49, A.50, A.51, A.52, A.53, A.54
Enabled by: W.1, A.5, A.12, A.17, A.22, A.34

Networks of spaces that can be activated to meet the evolving needs of fluidly housed adults in Brussels are essential for enhancing their liveability.

XS

XL

Theoretical Backup - why?

A network of spaces that meets diverse needs is essential to increase the liveability of fluidly housed adults in Brussels. By ensuring access to basic necessities, health, and security, alongside opportunities for community, solidarity, agency, and autonomy, such a network supports their wellbeing and resilience in a dynamic urban environment.

Social implication - how?

top down

bottom up

Solidify socio-spatial potential by designing adaptable infrastructures with standardized plug-ins, using dimensions compatible with widely available hardware store components.

Activate these spaces by adding or removing small interventions—such as lockers, water taps, or seating—using the

Spatial implication - where?

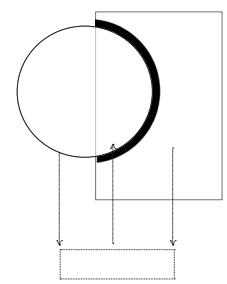
Universal needs like food, water, and lockers require close proximity and are best served by a dense, concentrated network with multiple access points within each neighborhood to ensure timely and equitable availability.

In contrast, needs related to individual and social activities—such as collective art and knowledge sharing—benefit from a wide, dispersed network, with at least one accessible space per neighborhood to foster diversity and inclusivity.

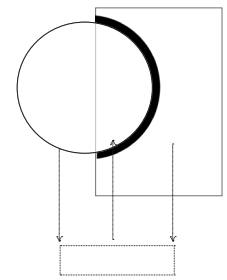
overarching pattern,
own work

positionality soft story methodology unlearning conclusion and reflection

56/60

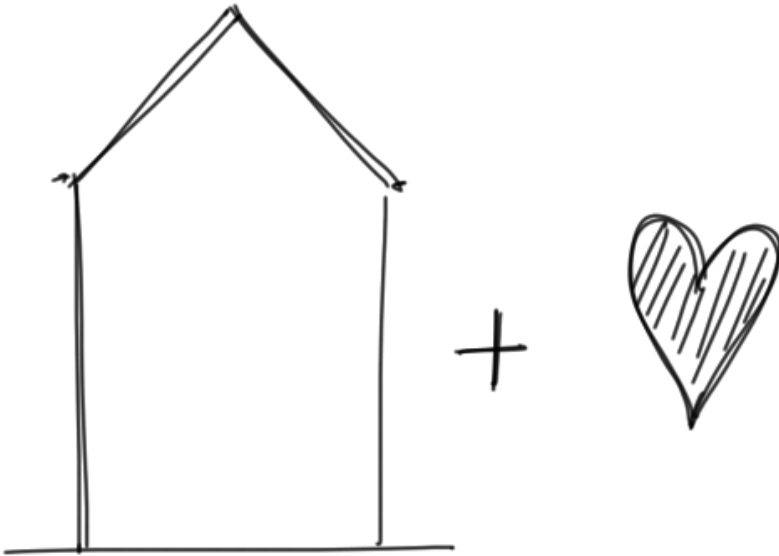


Although we still don't have a stable home, we are now registered and can meet each other.



A.36

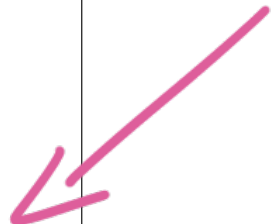
Housing First



Connected to: Sa.2, Sa.3, Sa.4, Sa.5, Sa.6, Sa.7, Sa.8
Supported by: S.15, A.32, A.33, A.34, A.35

Providing unconditional housing alongside essential support services fosters community, personal agency, and dignity—key elements in effectively addressing homelessness. (Housing First Finland)

Careful design is part of the solution



Imagining equitable and just futures requires
designing in a careful way that

provides **access**

fosters **solidarity**

allows for **activation & adaptation**

thank you!



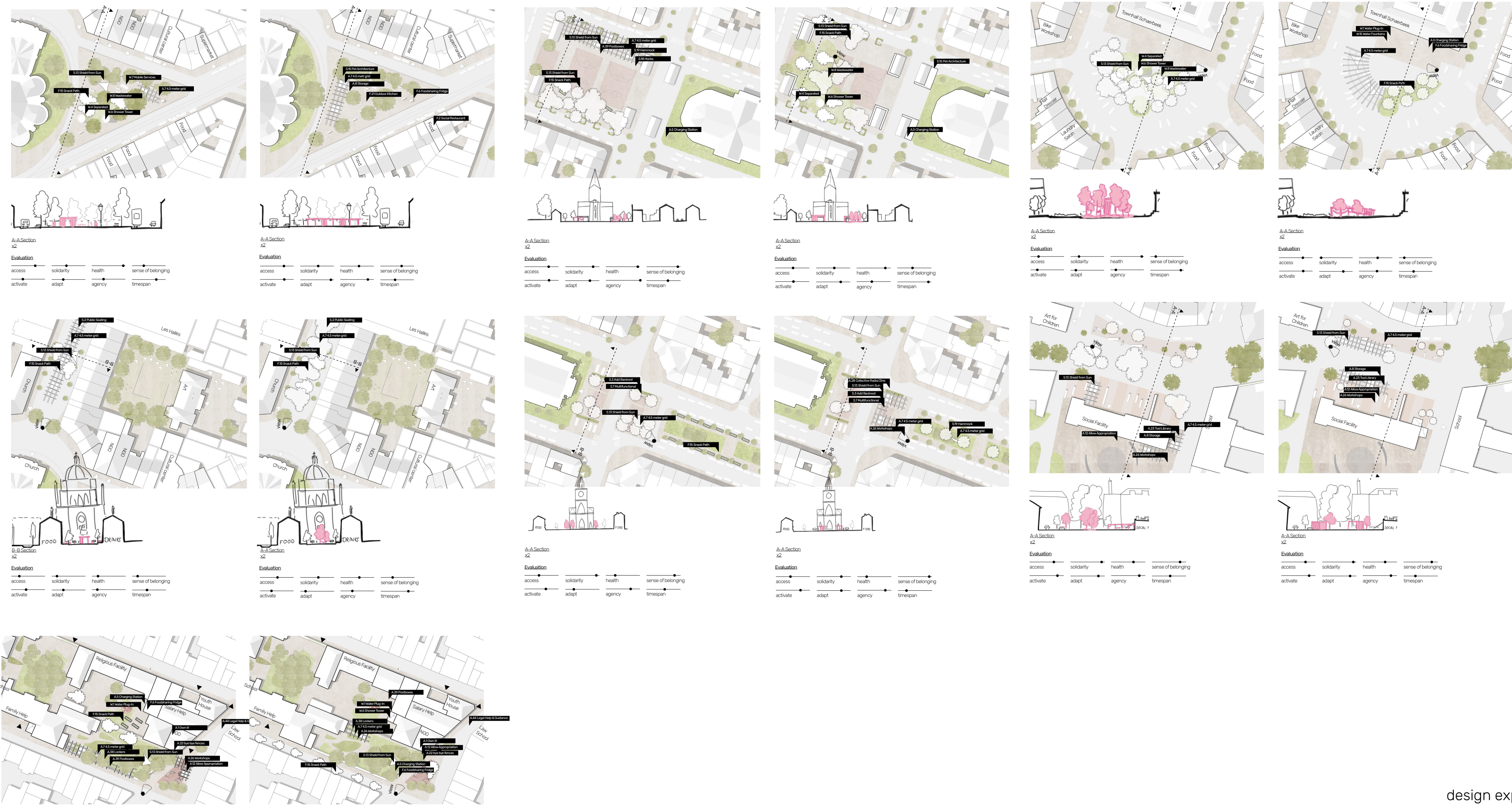
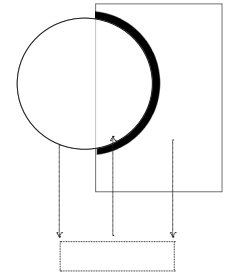
sources:

feantsa. (2024). ETHOS light—European typology of homelessness and housing exclusion. <https://www.feantsa.org/download/fea-002-18-update-ethos-light-0032417441788687419154.pdf>

Housing First Europe Hub. (2020). Rock trust housing first for youth polit. <https://www.rocktrust.org/wp-content/uploads/2020/07/HF4Y-Evaluation-Report-Executive-Summary-July-2020.pdf>

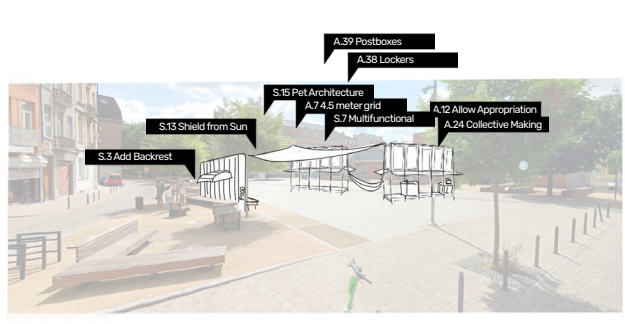
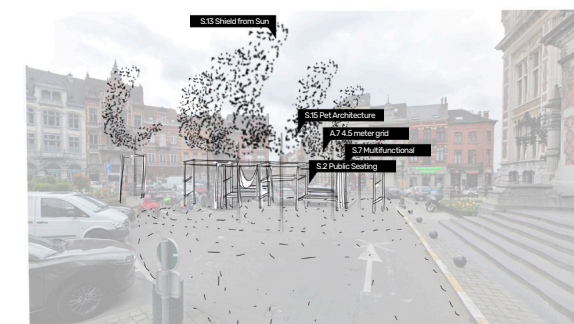
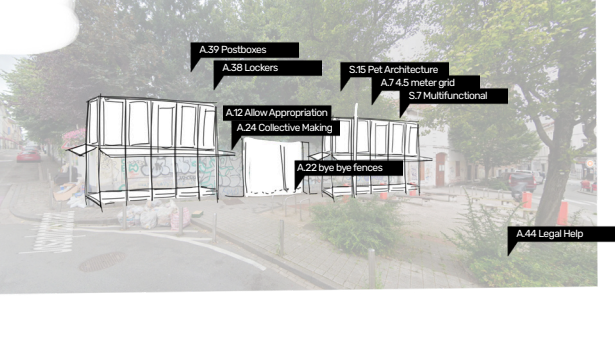
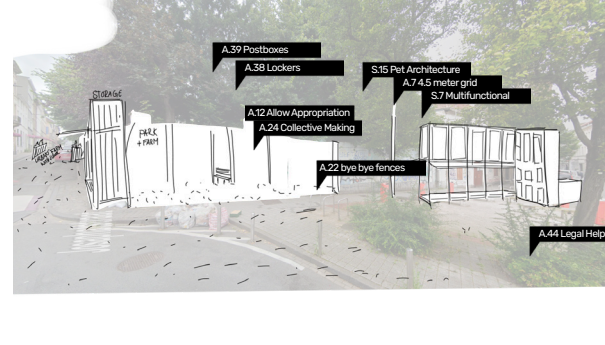
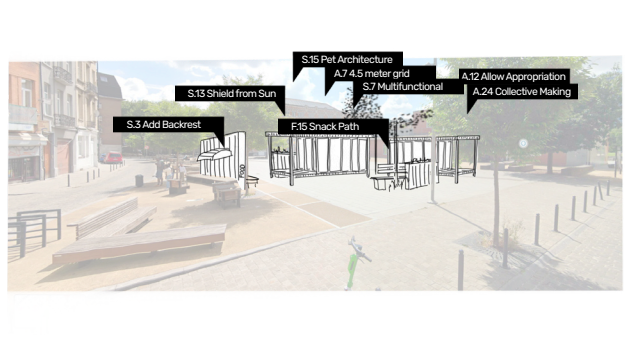
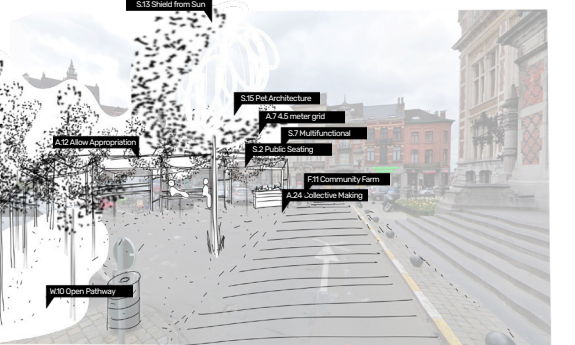
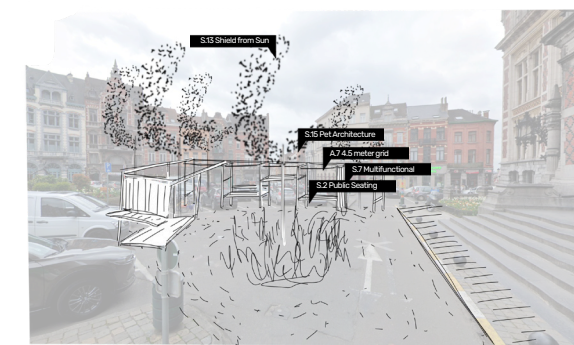
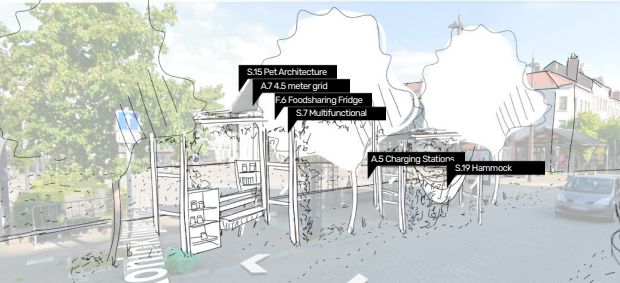
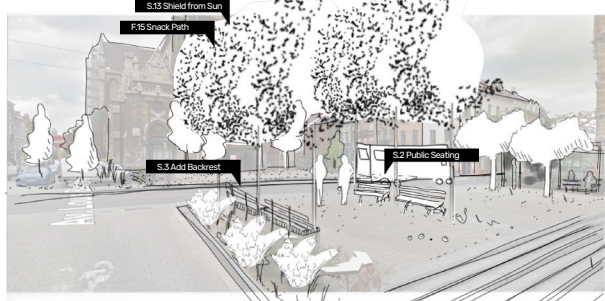
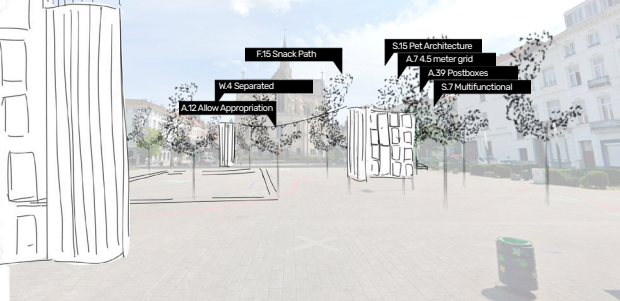
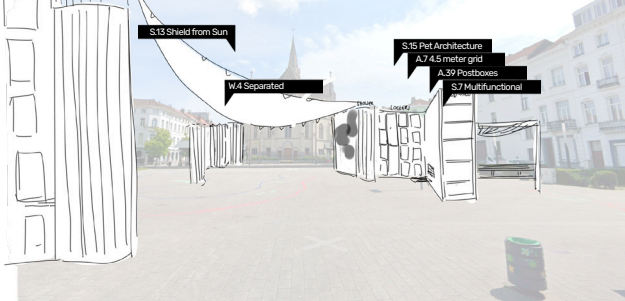
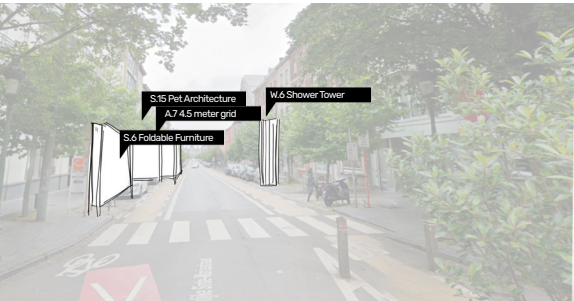
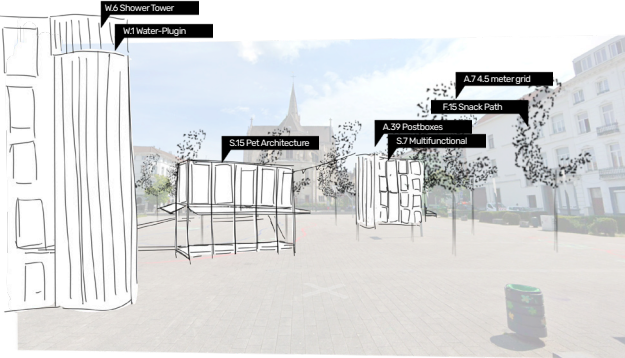
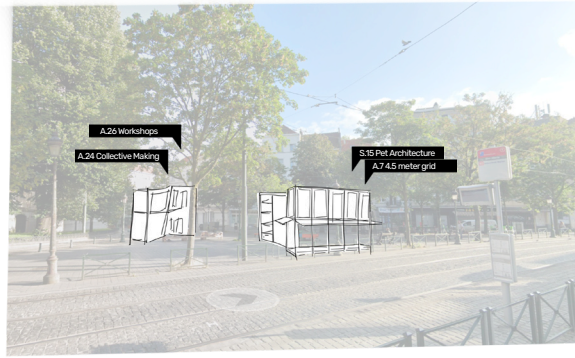
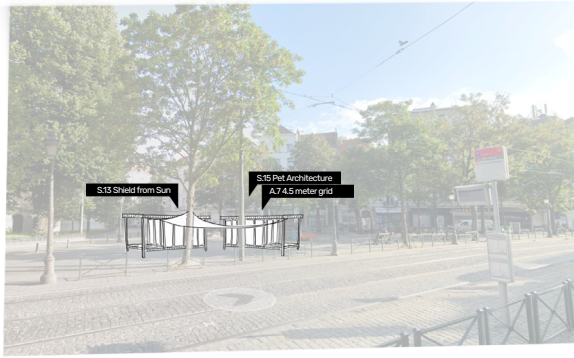
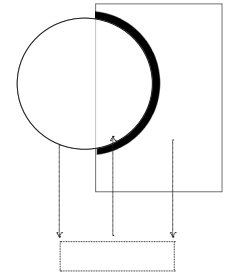
Noppen, T. V. (2022). dak- en thuisloze jongeren: Verschillende profielen, ingewikkelde levensloop [Homeless young people: Different profiles, complicated life course]. Koning Boudewijnstichting. <https://kbs-frb.be/nl/dak-en-thuisloze-jongeren-verschillende-profielen-ingewikkelde-levensloop#:~:text=Dak%2D%20en%20thuisloze%20jongeren%3A%20verschillende%20profielen%2C%20ingewikkelde%20levensloop,-10%2010%202022&text=Onder%20de%206.286%20dak%2D%20en,op%20de%20vijf%20dakloze%20volwassenen.>

hacking the system - conceived space abstract, planned dimension of space



design explorations in five locations,
conceived space top-down
own work

hacking the system - lived space spaces reclaimed and reinterpreted bottom-up



design explorations in five locations,
lived space bottom-up
own work