

A HOUSE IS NOT A HOME

Exploring the role of the architect in creating a sense of home in new living environments.

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Robbert Guis
Elina Karanastasi

Maud van Wouw
Advanced housing

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INTRODUCTION AND RELEVANCE
RESEARCH
DESIGN PRINCIPLE
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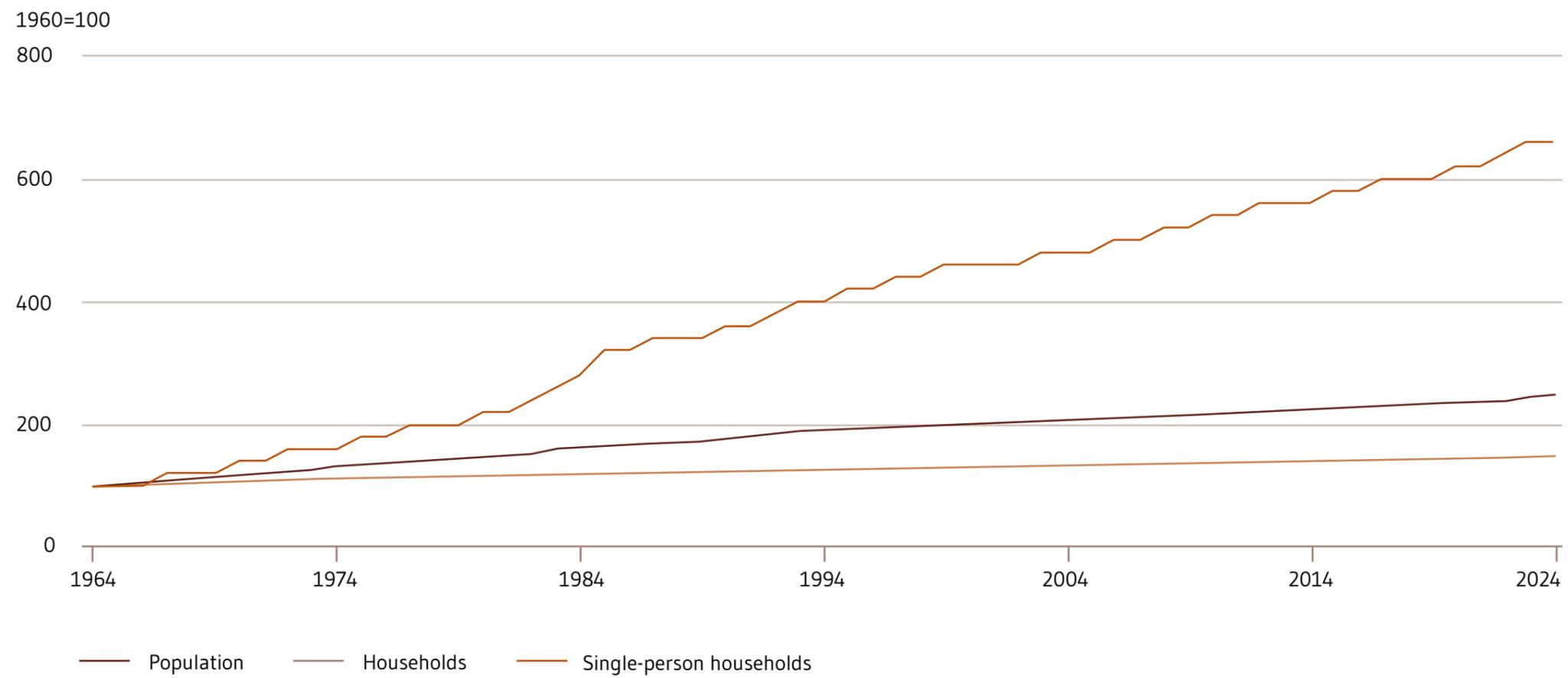
BACKGROUND

WHY IS A HOME IMPORTANT



PROBLEM STATEMENT

GROWTH IN POPULATION AND HOUSEHOLD



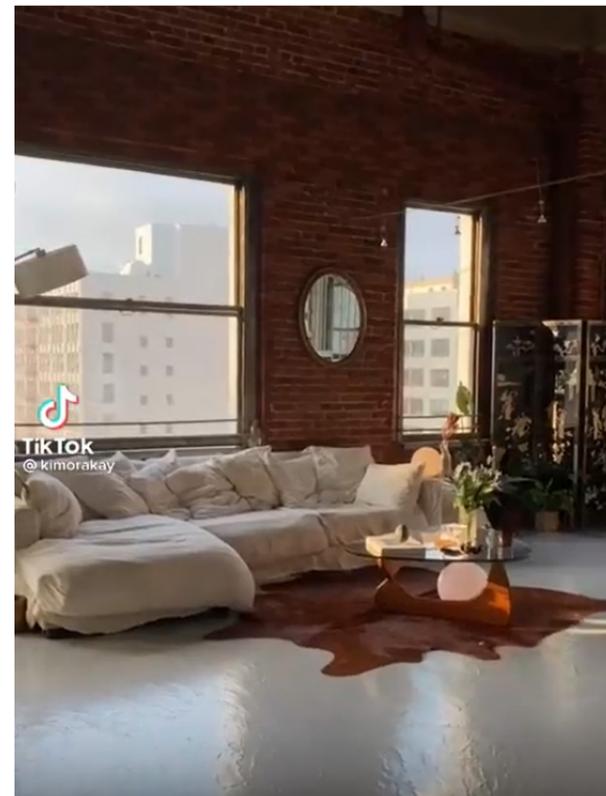
Households today
(CBS, 2024)

PROBLEM STATEMENT

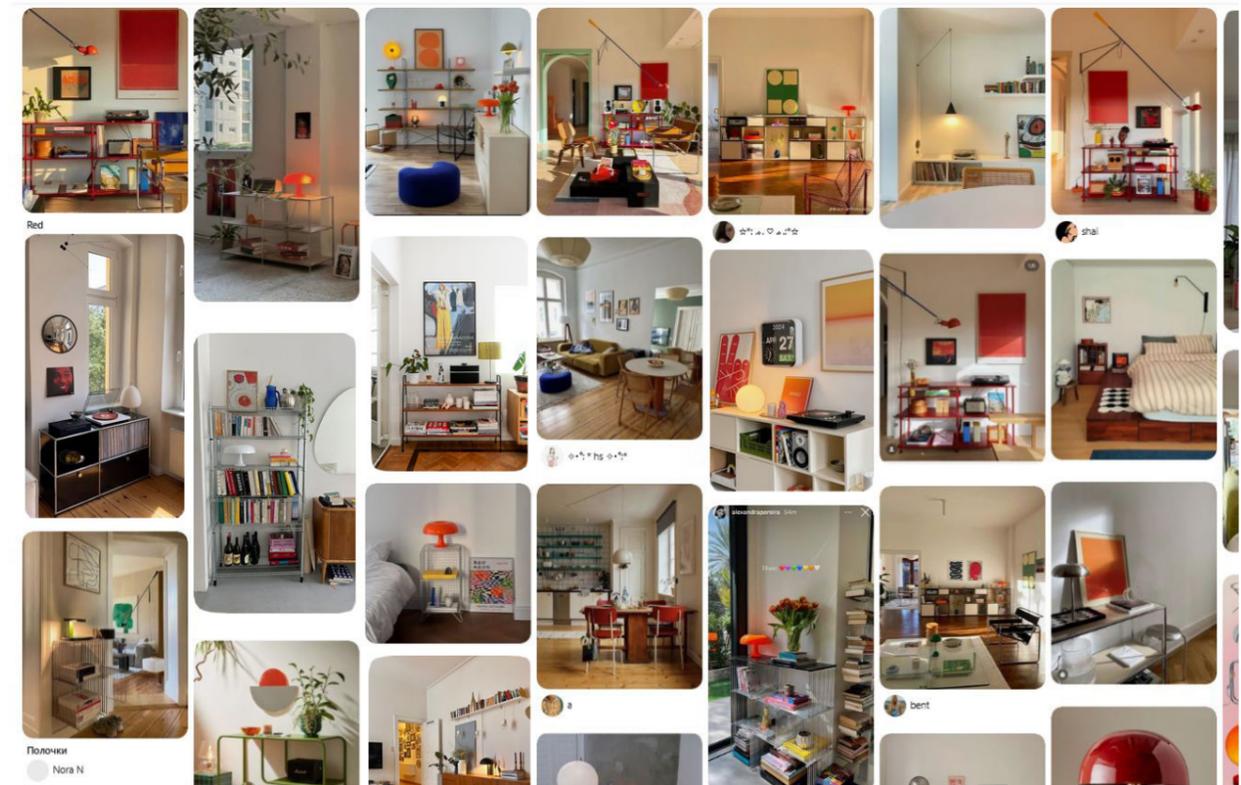
WE EXPECT MORE FROM A HOUSE



Supply of housing
(Masterson, 2018)



Influence of social media
(TikTok, z.d.)



influence of trends on homes
(Pinterest, z.d.)

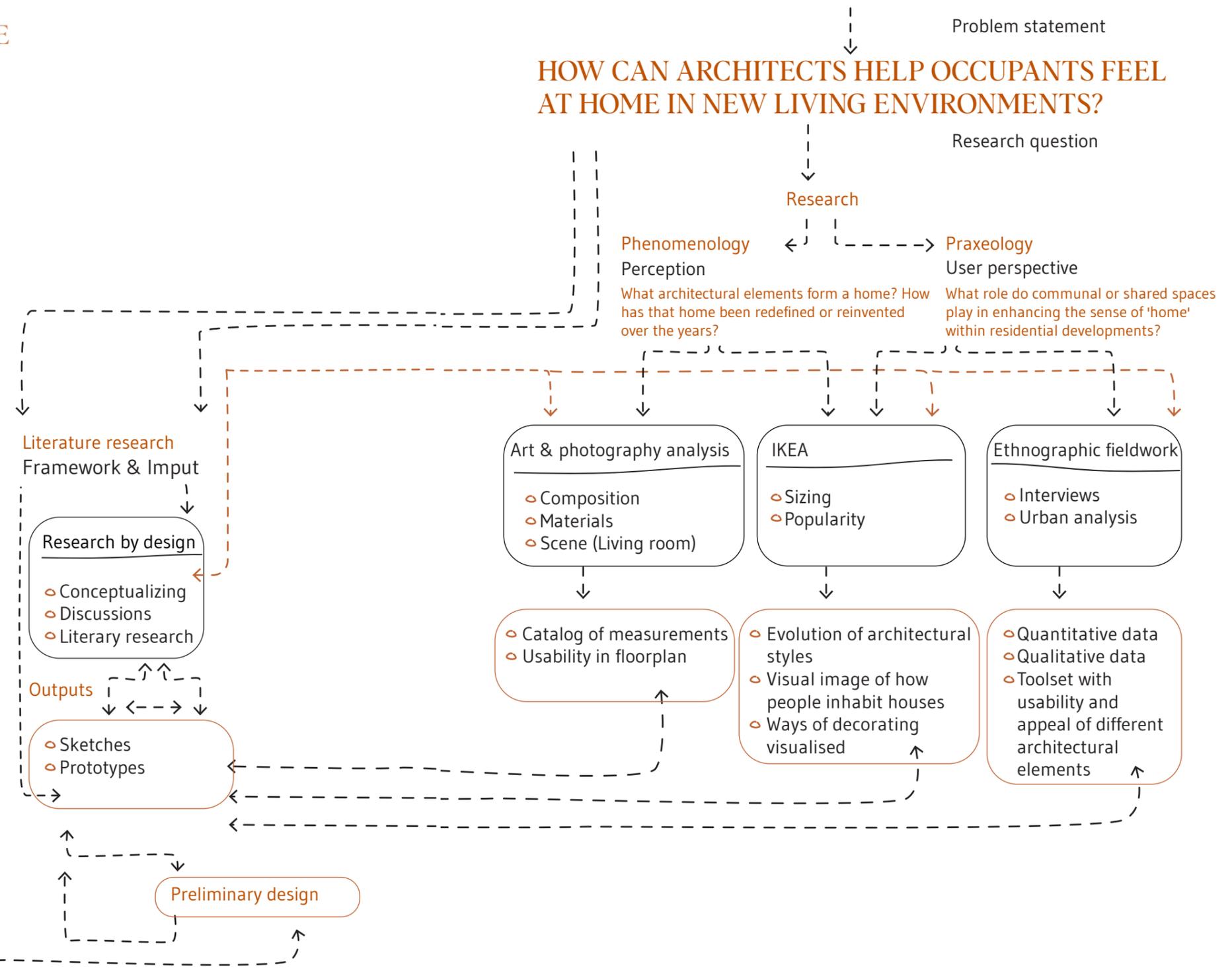
RESEARCH QUESTION

*How can architects help
residents feel at home in new
living environments?*

METHODS

WITH DIFFERENT HOME OWNERSHIP AND EXPERIENCE

A HOUSE IS NOT A HOME



PICTURE ANALYSIS

FROM 1660 TILL 2023



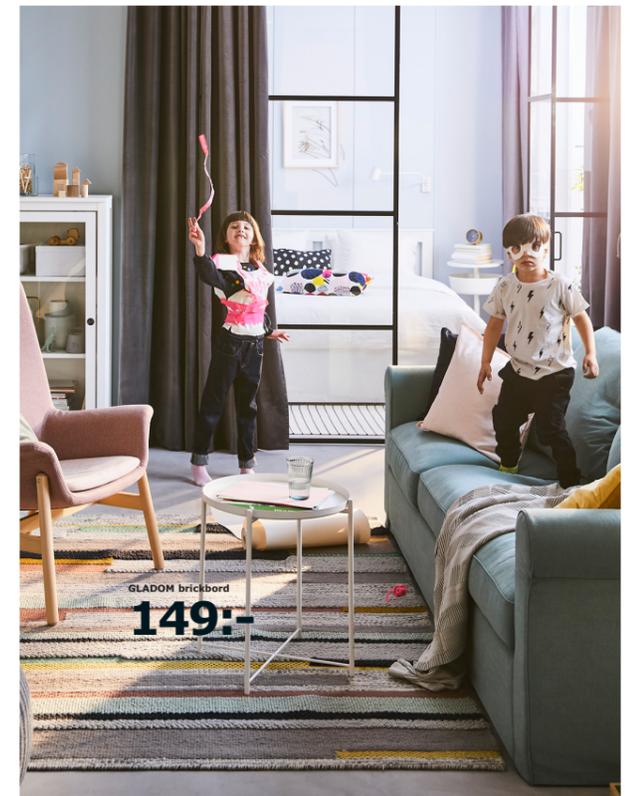
A Mother Delousing her Child's Hair
Pieter de Hooch, 1661



Interior with a woman reading the newspaper
Gerke Henkes, 1854



Spaarndammerdijk 577
Arsath Ro'is, J.M., 1977



Here we celebrate the fact that our homes are so different
IKEA catalogue, 2019

LITERATURE REVIEW

WHAT HAS BEEN WRITTEN
ABOUT HOME

*“A house is not a home until it provides shelter both spiritually and physically”
(Fuller, 1845).*

Home aside from being a physical and social need, is also spiritual (Feddes, 2016).

Three essential elements are requisite for a house to become a home: privacy, comfort and homeliness (Rybczynski, 1986).

INTERVIEWS

WITH DIFFERENT HOME
OWNERSHIP AND EXPERIENCE



Interview 1: Mrs Boas & Mr Henraat
Own work



Interview 2: Mr Arnold
Own work



Interview 3: Miss van der Wel
Own work



Interview 4: Miss Hermans
Own work



Interview 5: Mrs Claassen
(Interior Twentyone, 2022)

*“That it doesn’t become to stark of a shell. That the house does **invite personalisation**. Instead of being a repellent.”*

FINDINGS



A Mother Delousing her Child's Hair, Known as 'A
Mother's Duty'
Pieter de Hooch, 1661



A Mother Delousing her Child's Hair, Known as 'A Mother's Duty'
Pieter de Hooch, 1661

1. MAKE YOUR HOME
YOUR OWN
2. SENSE OF BELONGING
AND COMMUNITY

*“So then you also **see parts of you, of yourself reflected** in the stuff and that makes you feel at home too. It really is our home because of that.”*

DESIGN PRINCIPLE

1. HELPING PEOPLE MAKE THEIR HOME THEIR OWN

*"What's really home for me is that when you come into our place,
you can see that we live there."*



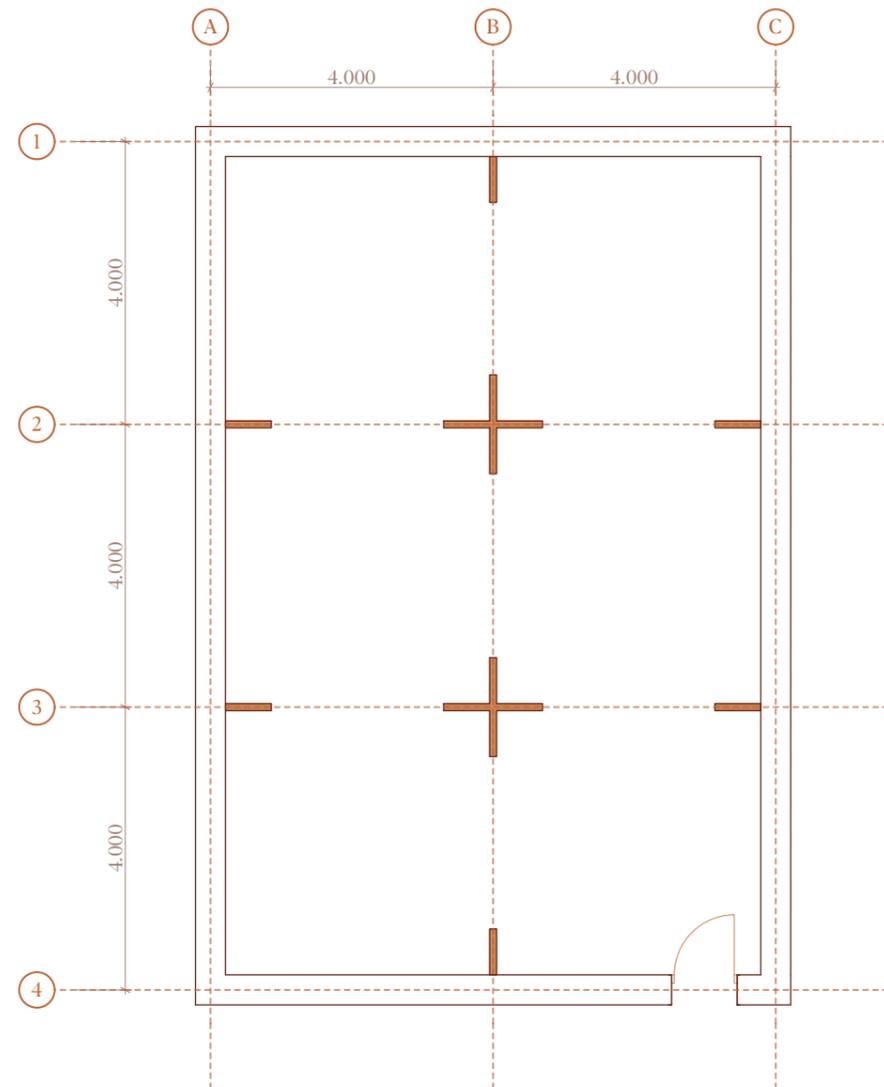
Living room in a house on Jan Evertsenstraat
Bart Sorgedrager, 2001



Living room in a house on Jan Evertsenstraat
Bart Sorgedrager, 2001

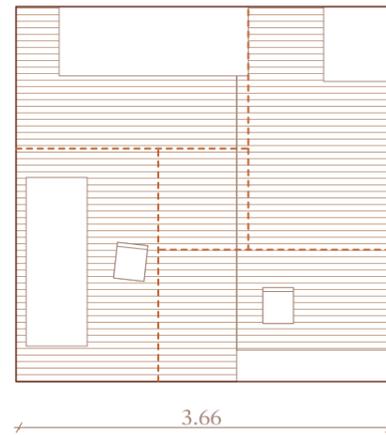
WHAT STEPS ARE TAKEN TO HELP?

MAXIMIZING DWELLING
CONFIGURATIONS

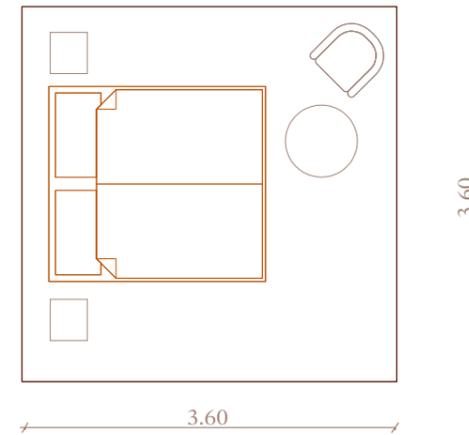


MINIMUMS OF SPACE

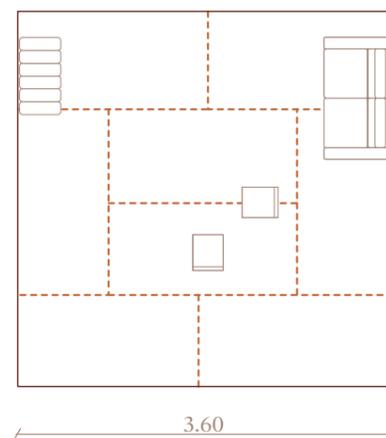
3.60 X 3.60 UNITS



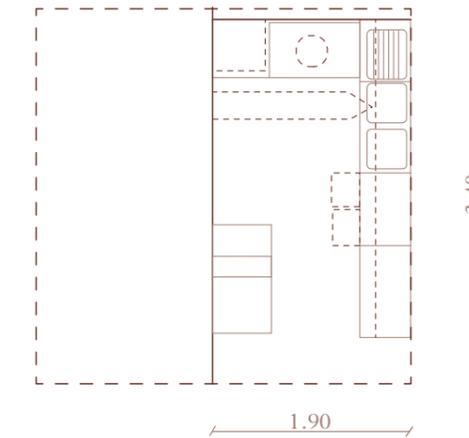
Cabanon le Corbusier



Neufert



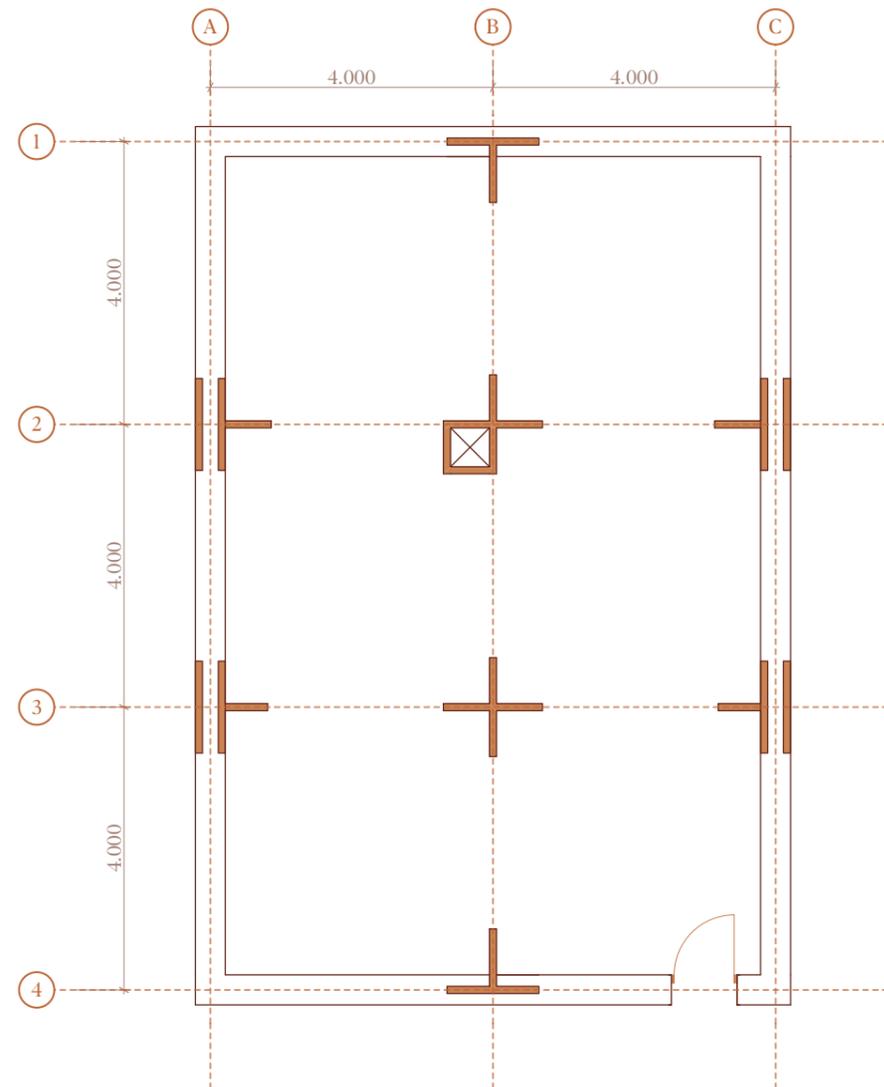
6 Tatami mats



Frankfurter Küche

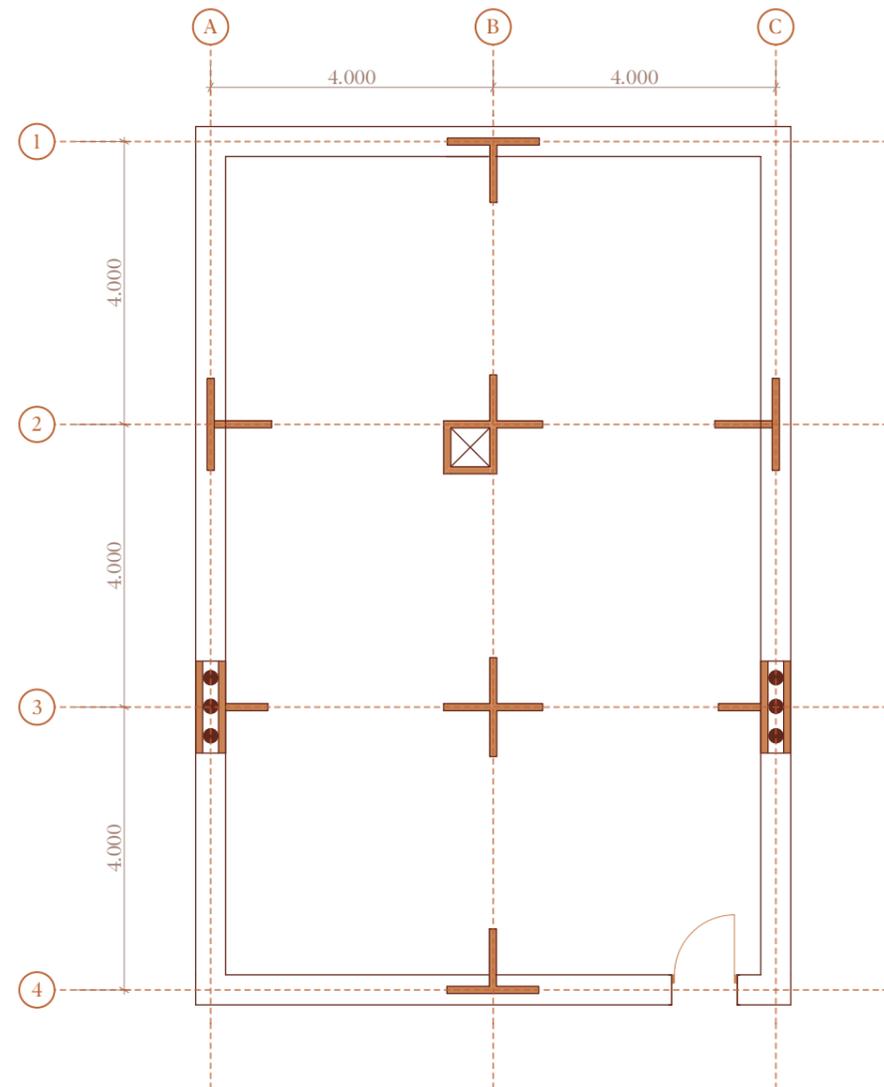
SERVICES

SHAFT PLACEMENT



SERVICES

SHAFT PLACEMENT





The Raree-show ('t Fraay Curieus)
Pieter de Hooch, 1663



The Raree-show ('t Fraay Curieus)
Pieter de Hooch, 1663



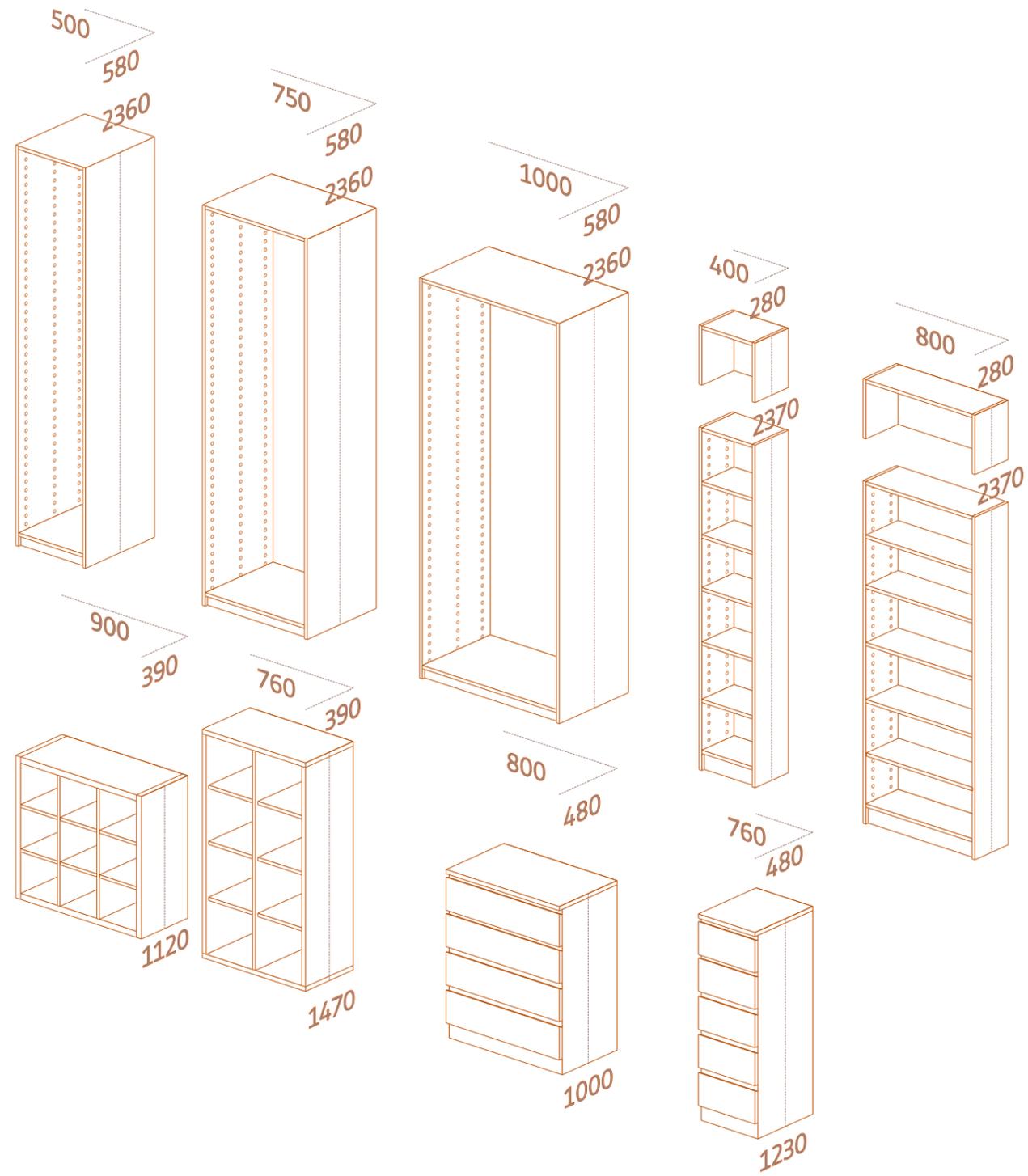
Occupant of container house in her living room
Janus van den Eijnden, 2009

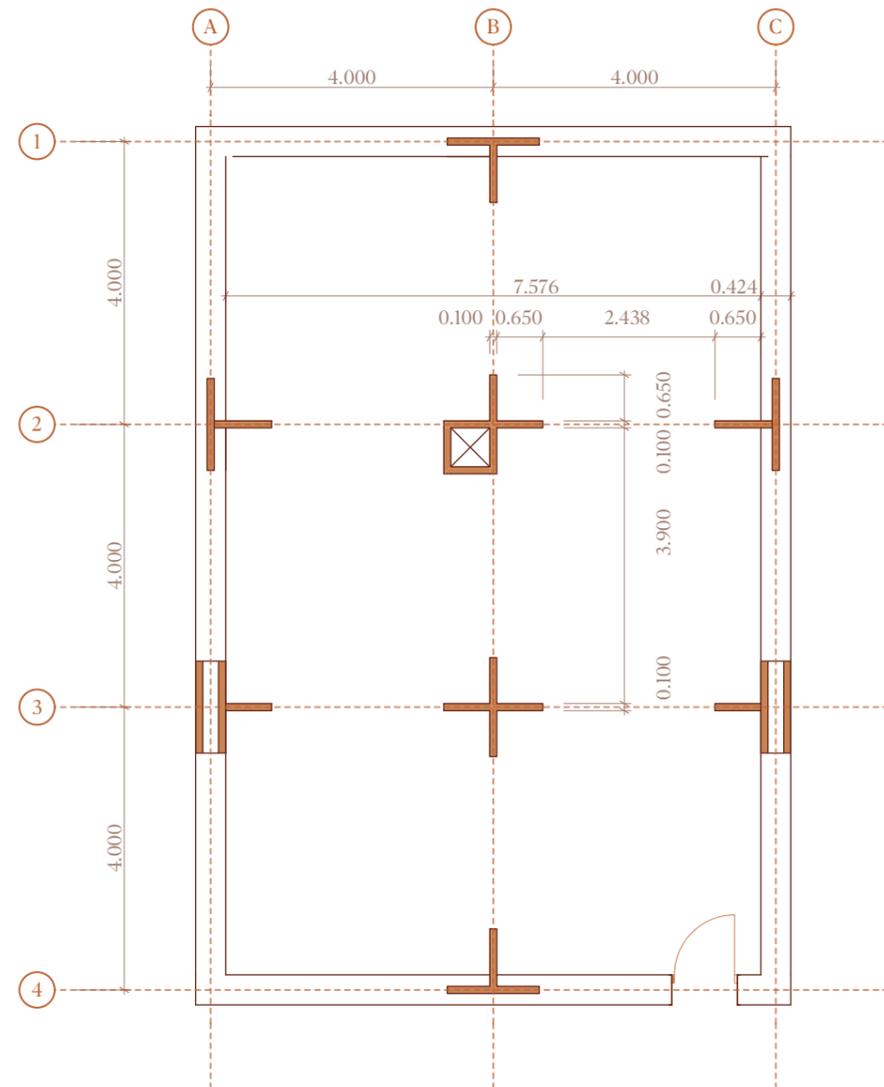


Occupant of container house in her living room
Janus van den Eijnden, 2009

IKEA

MEASUREMENTS

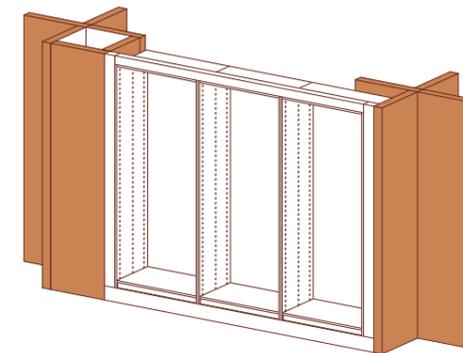
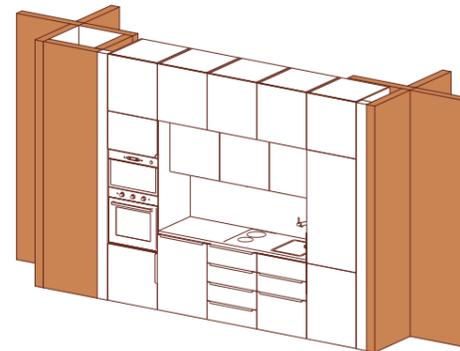
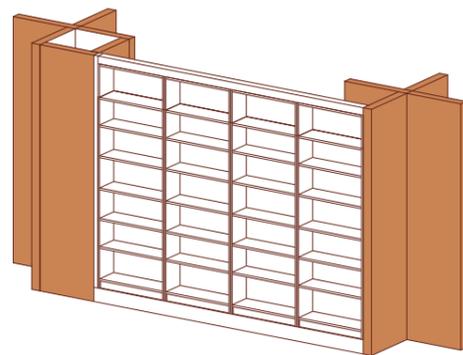
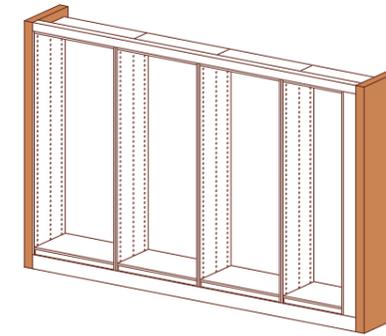
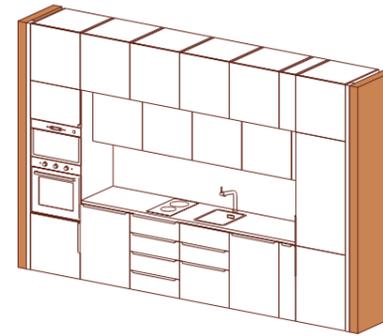
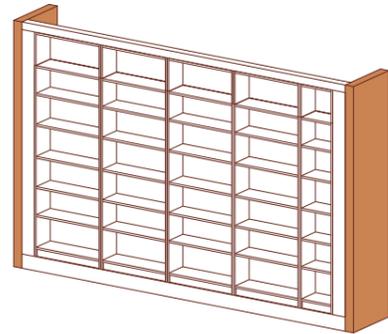






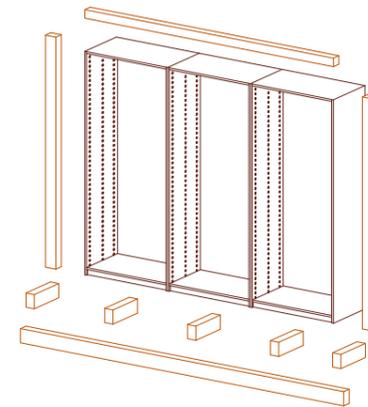
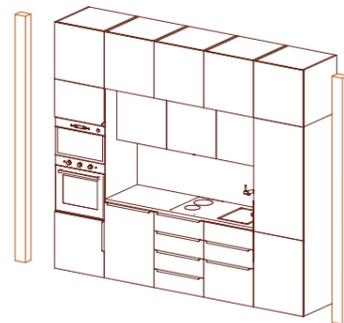
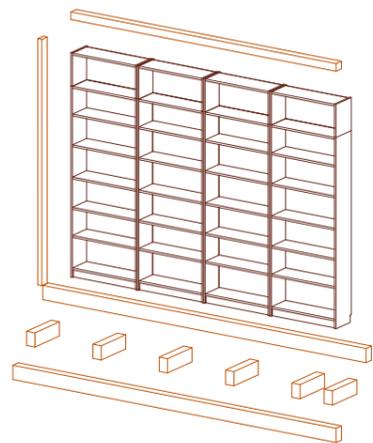
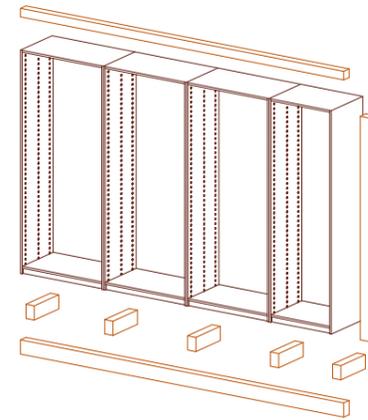
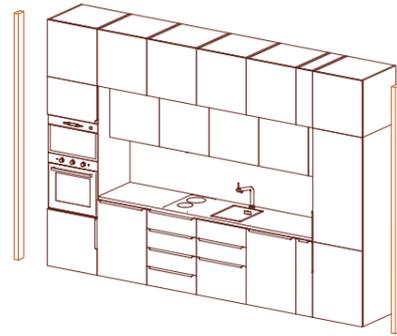
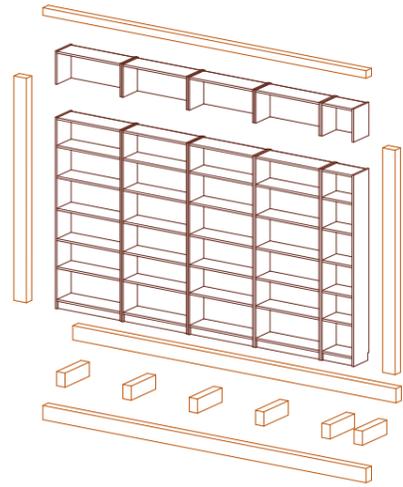
IKEA

BUILT-IN



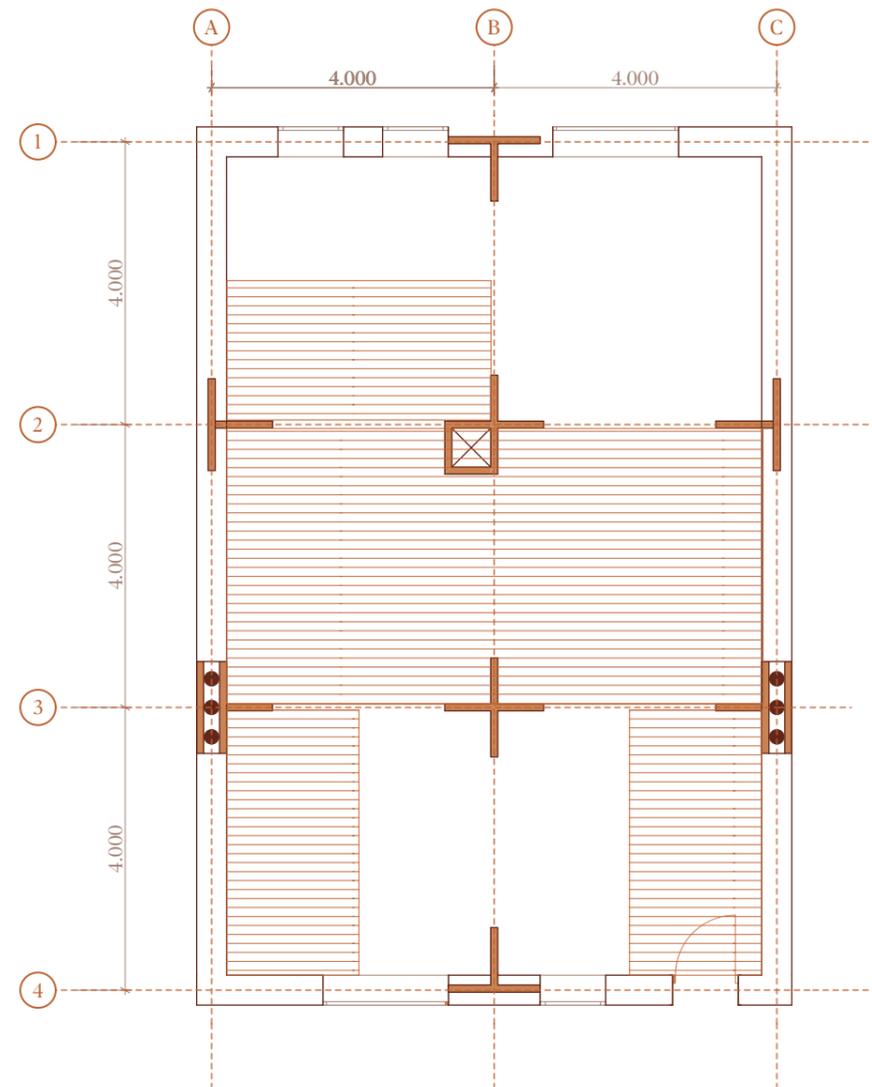
IKEA

BUILT-IN



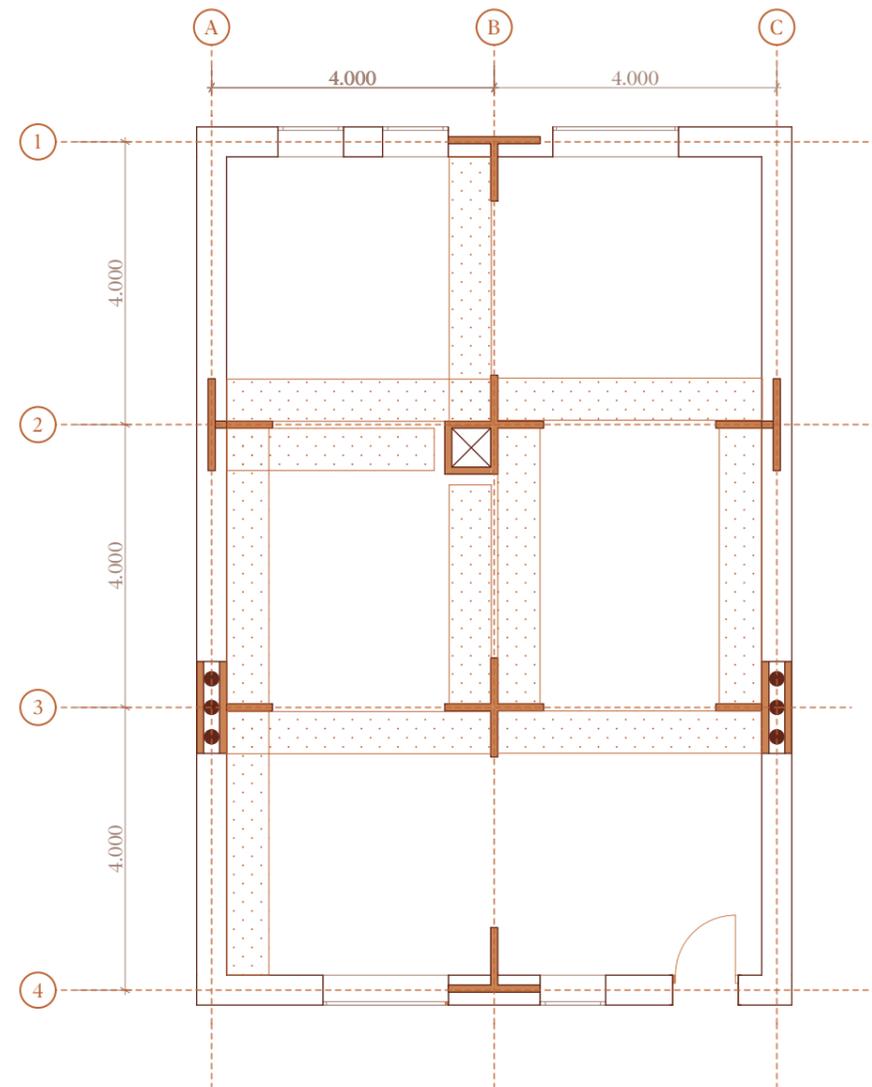
MAXIMIZING OPTIONS

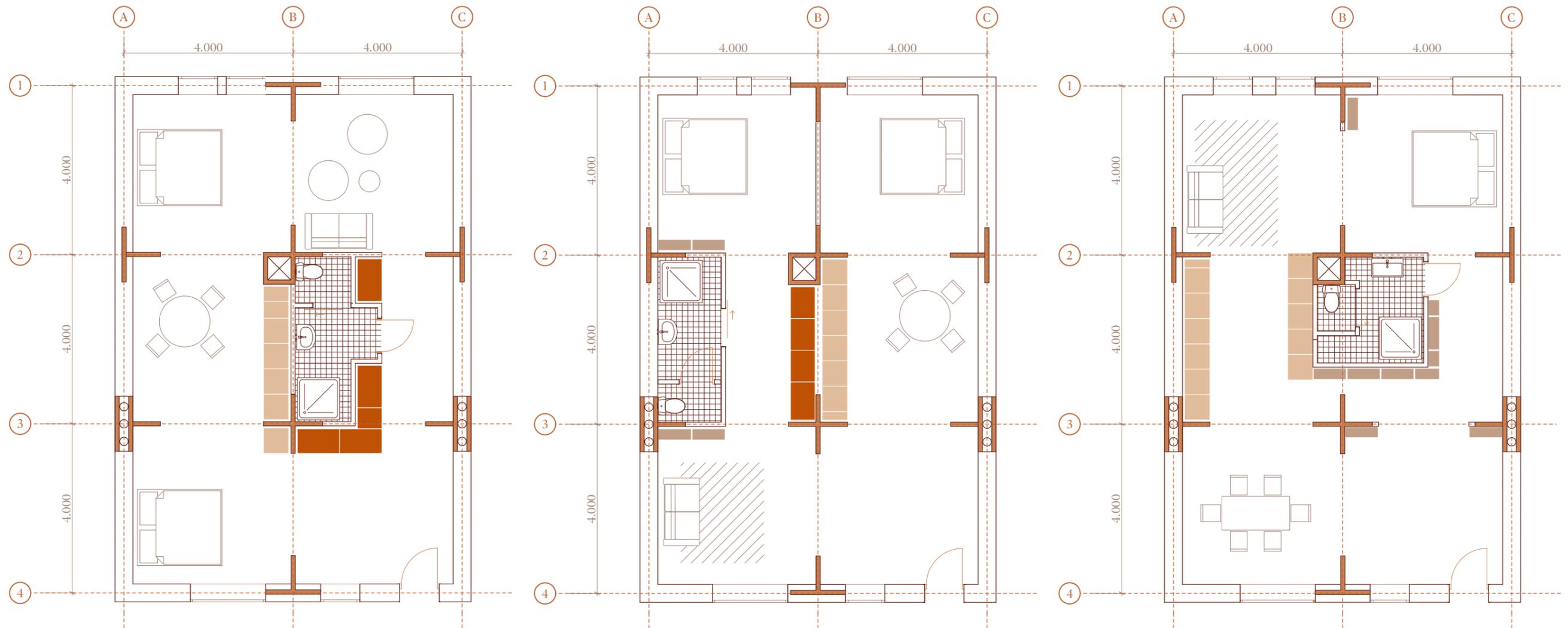
BATHROOMS



MAXIMIZING OPTIONS

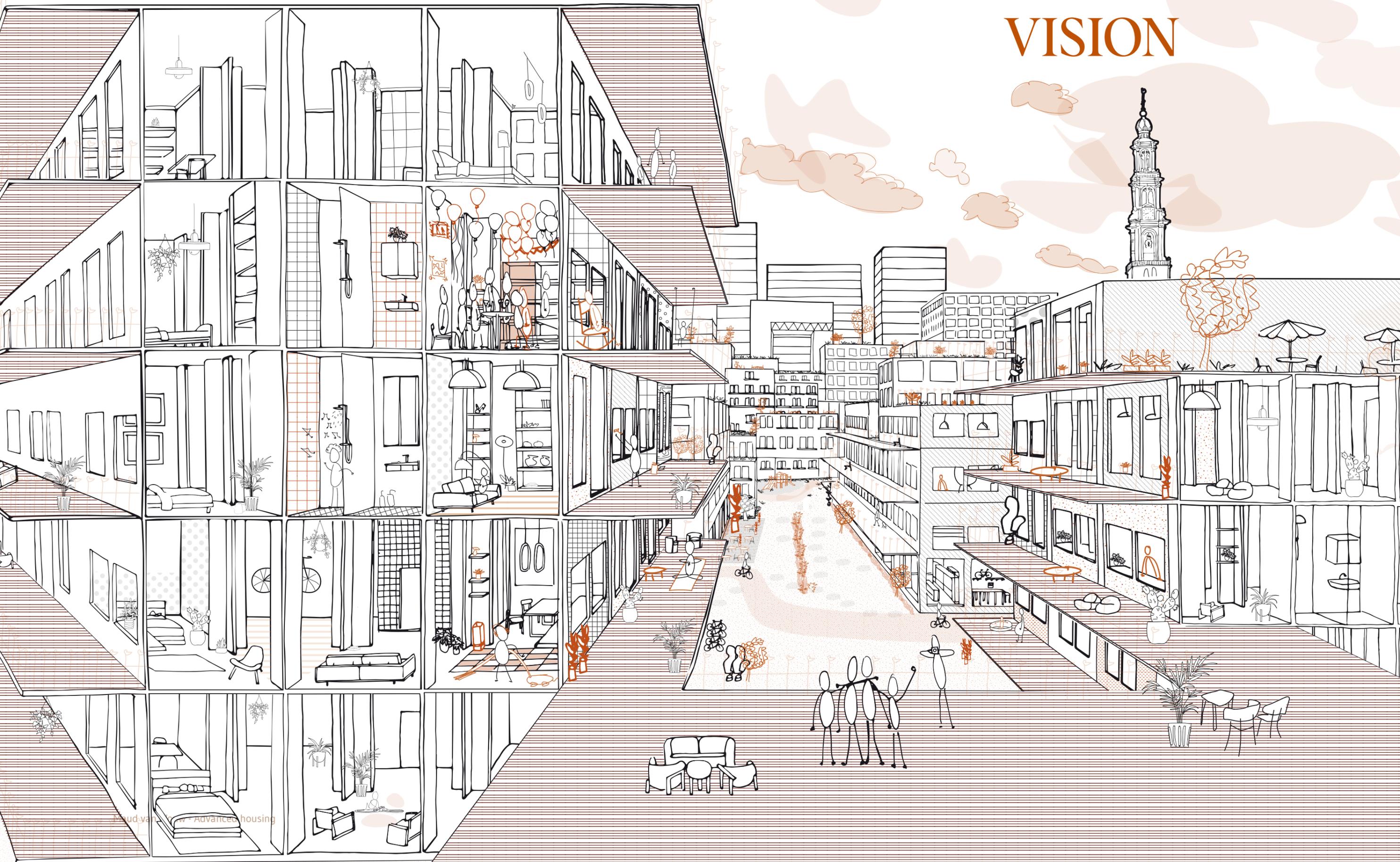
KITCHENS





POSSIBLE CONFIGURATIONS

VISION



CONTEXT

*"You are a little bit **entwined with the social life here, with the city** and then you find that that does define it a lot..."*

LOCATION

AMSTERDAM SOUTH WEST



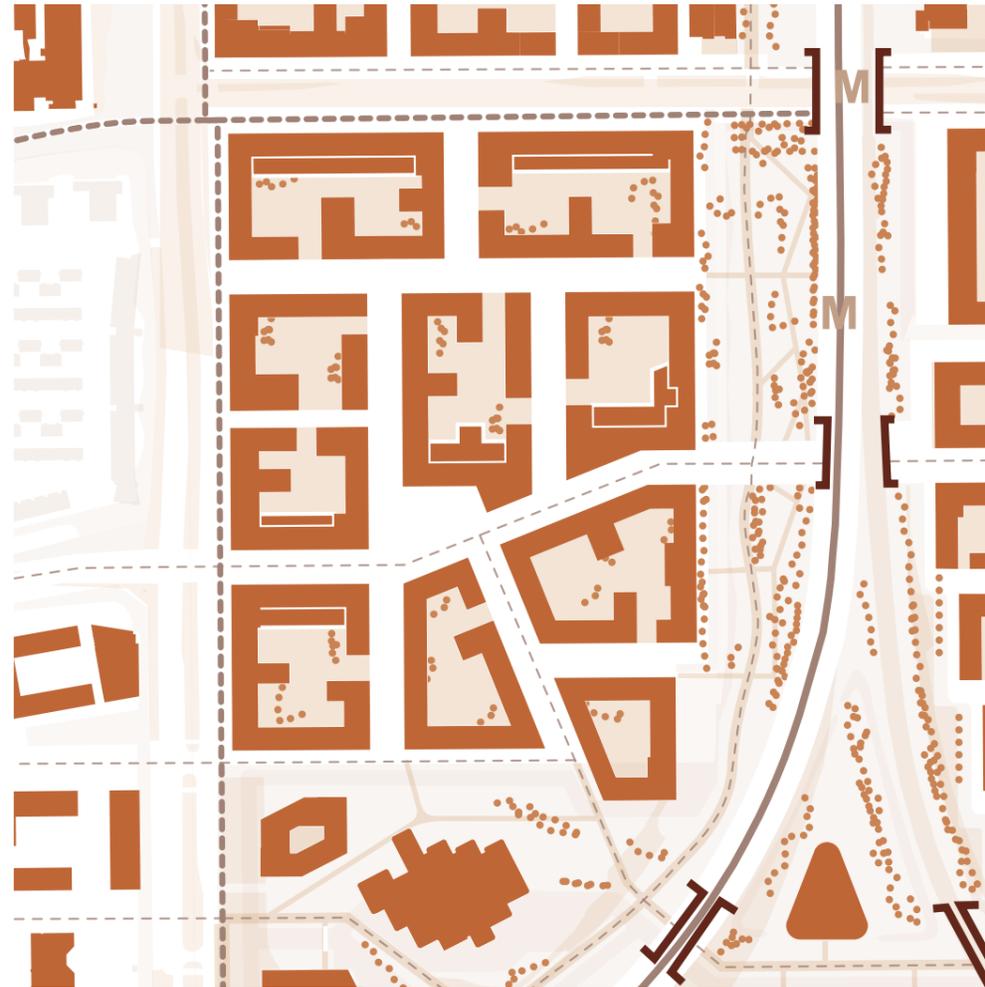
SCHINKEL

MASTERPLAN



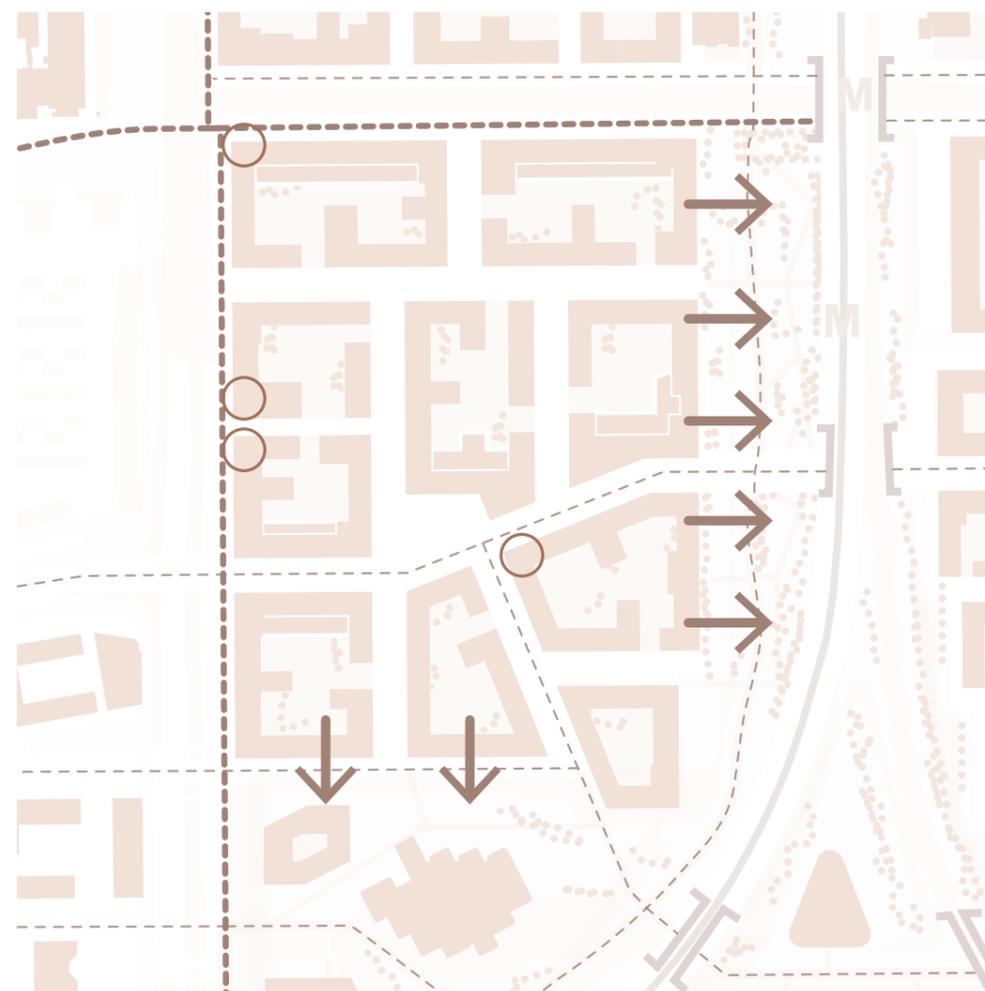
SCHINKEL

MASTERPLAN



HEIGHT ACCENTS

AND GREEN LINKS



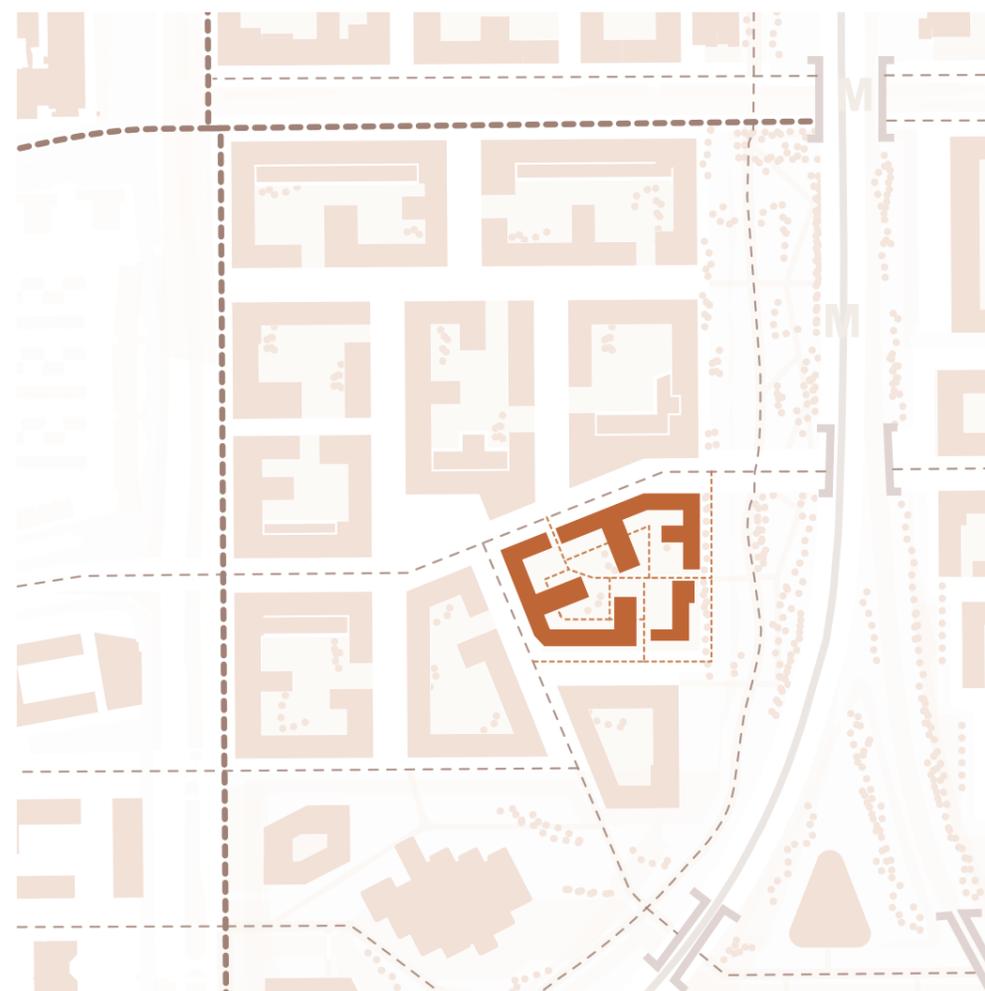
PARKING

AND NEIGHBOURHOOD
ACCESS



CYCLING ROUTE

AND BUILDING SHAPE



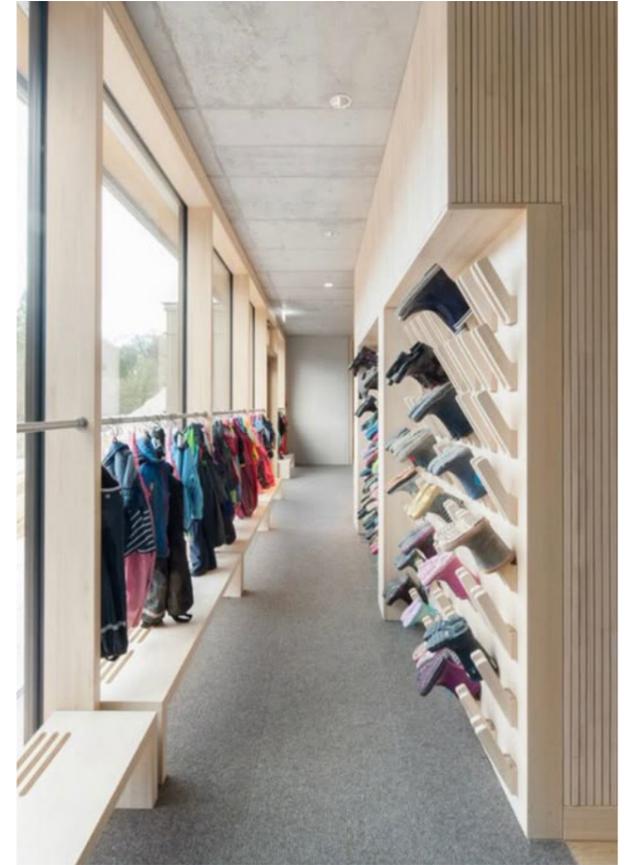
BUILDING DESIGN

2. CREATING A SENSE OF BELONGING AND COMUNITY

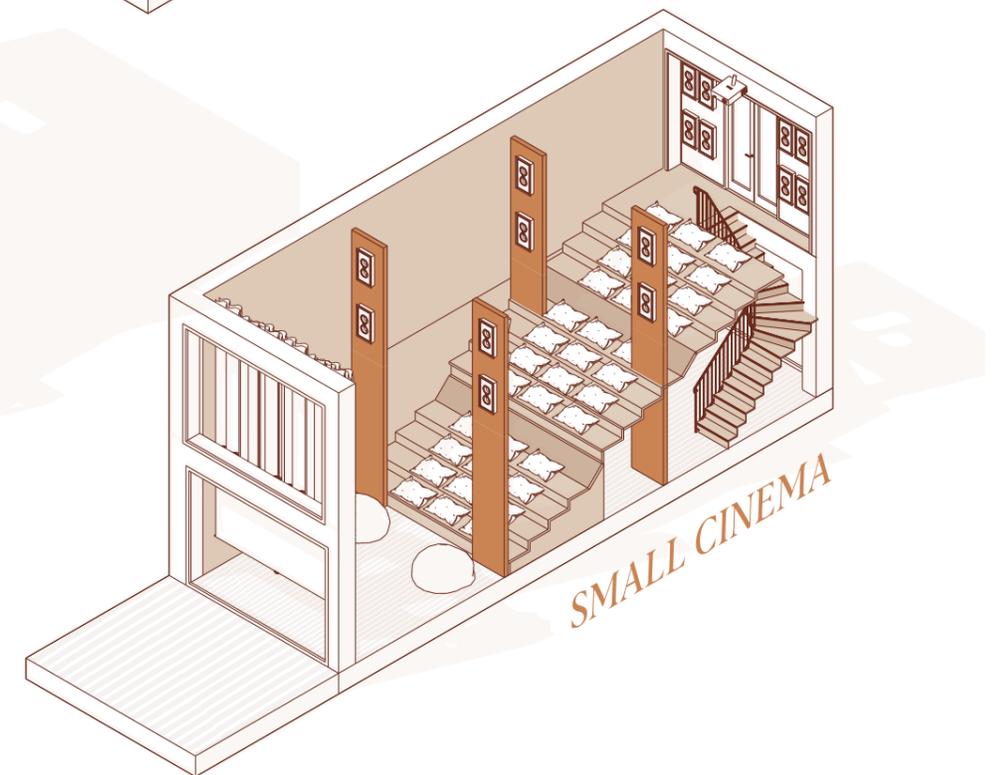
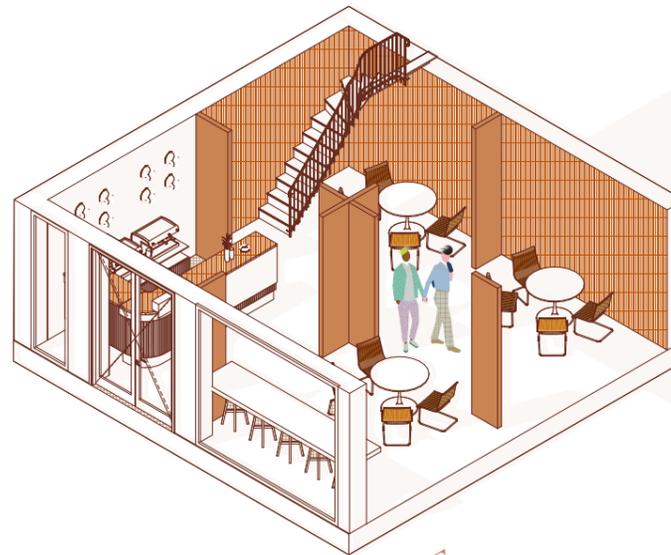
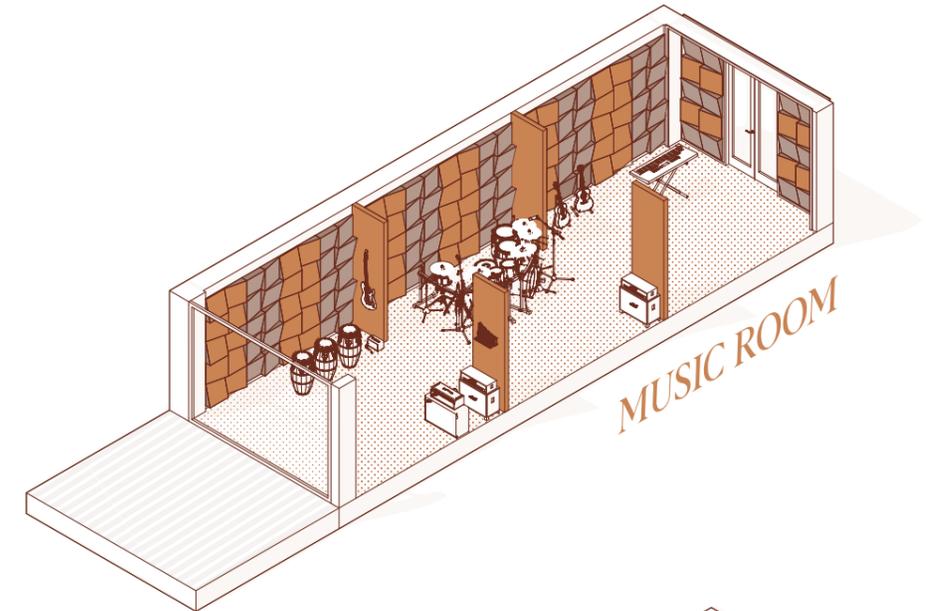
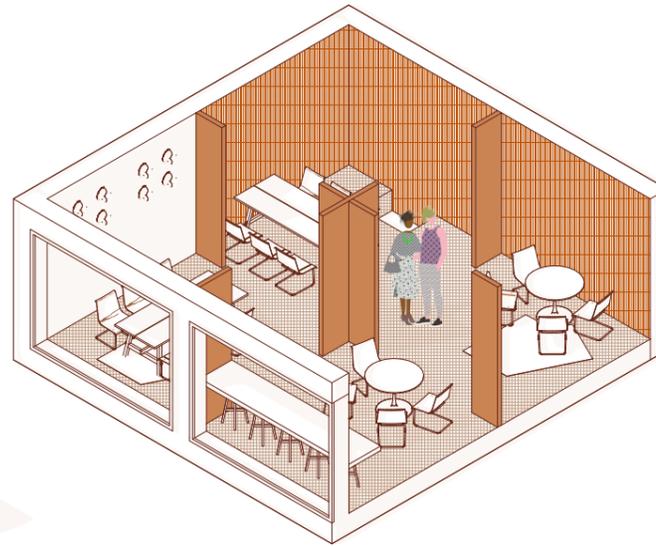
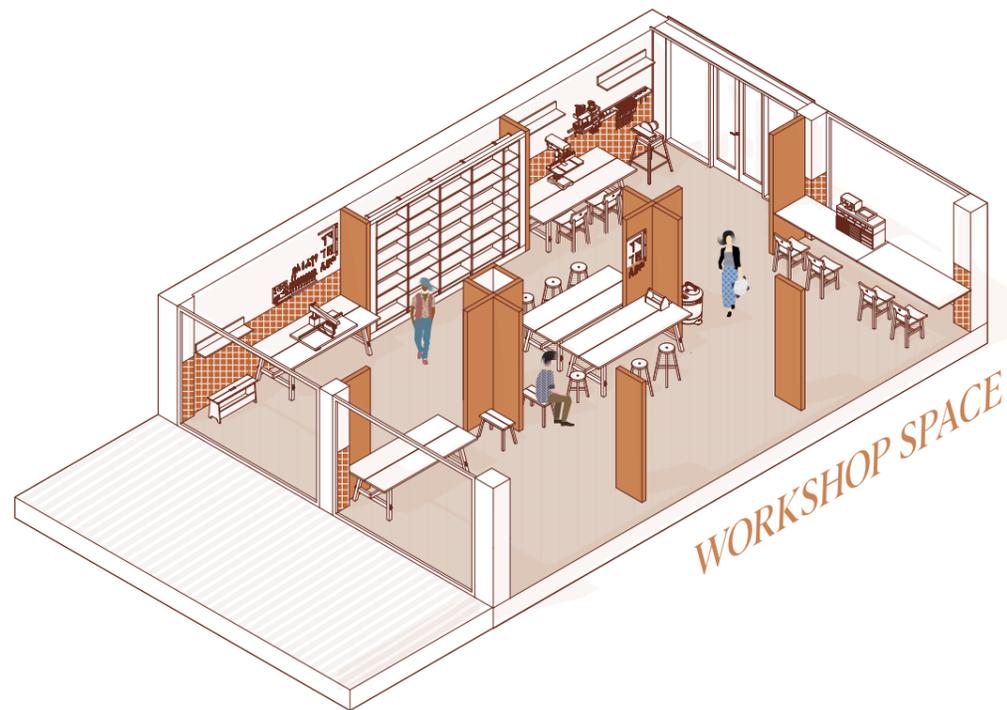
*"I think that is the most important thing for feeling at home is that you not only have a nice home where you can **be who you want to be**, but that from that home you have enough choice and opportunities to **build meaningful relationships**."*

SHARED FACILITIES

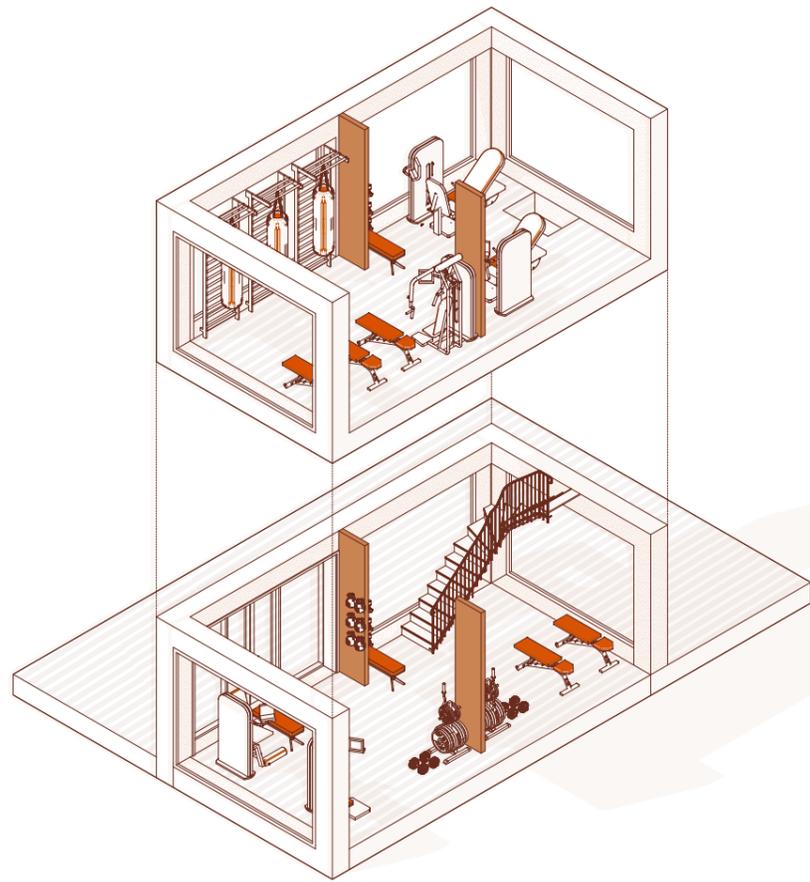




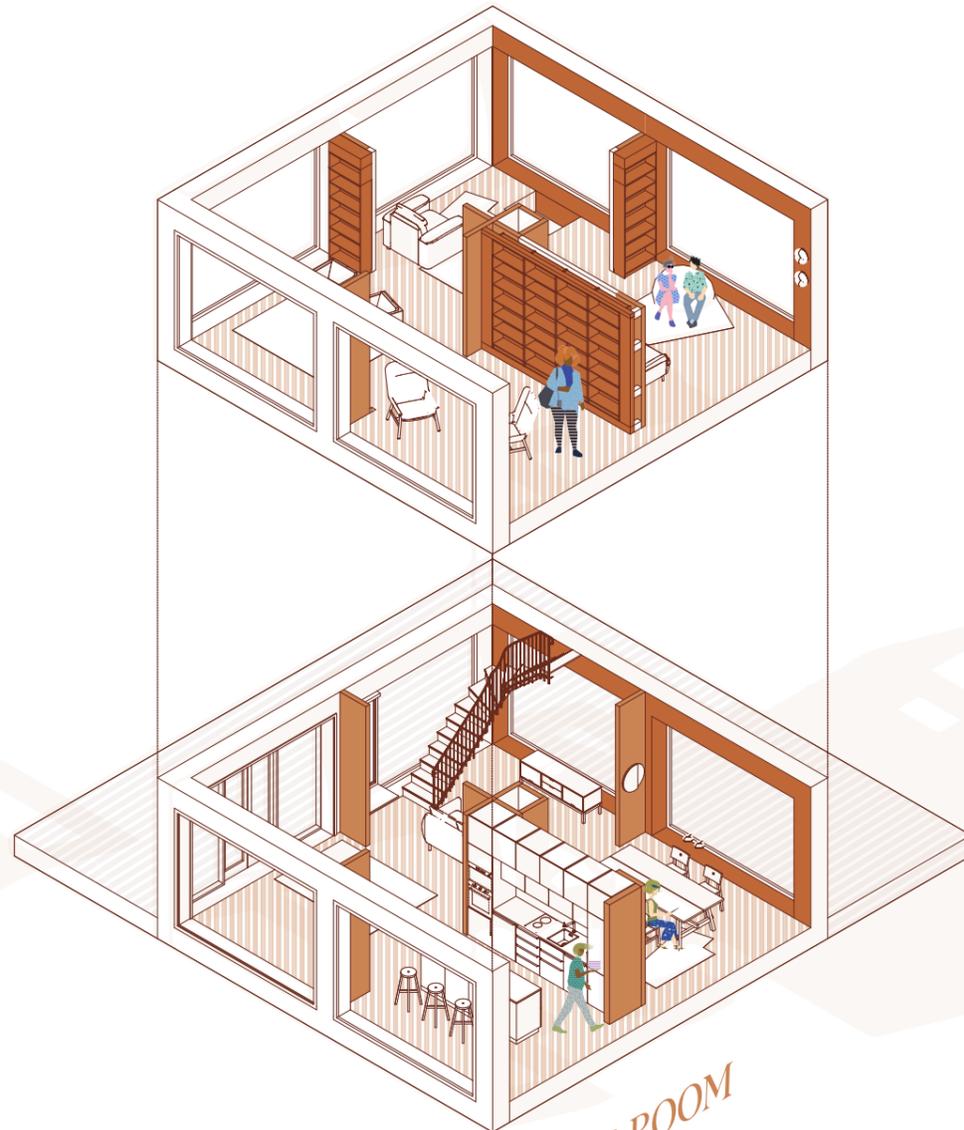
SHARED FACILITIES



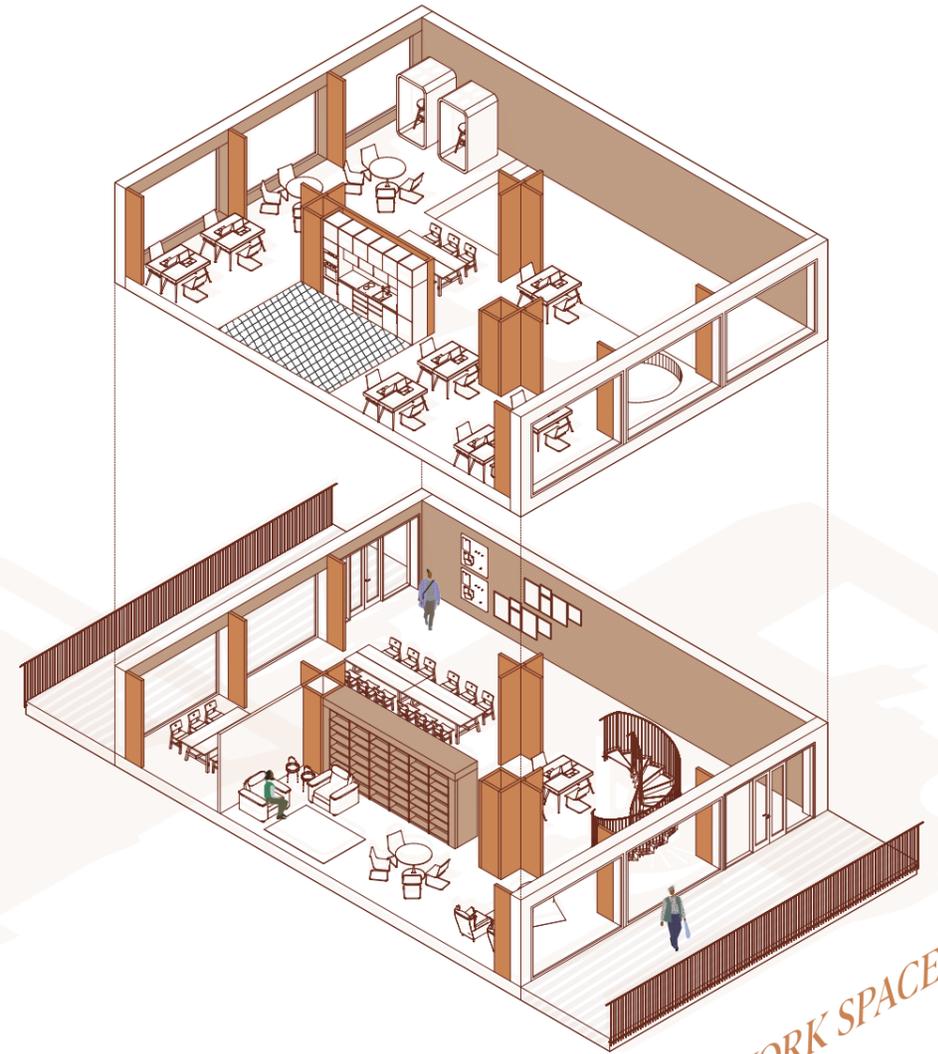
SHARED FACILITIES



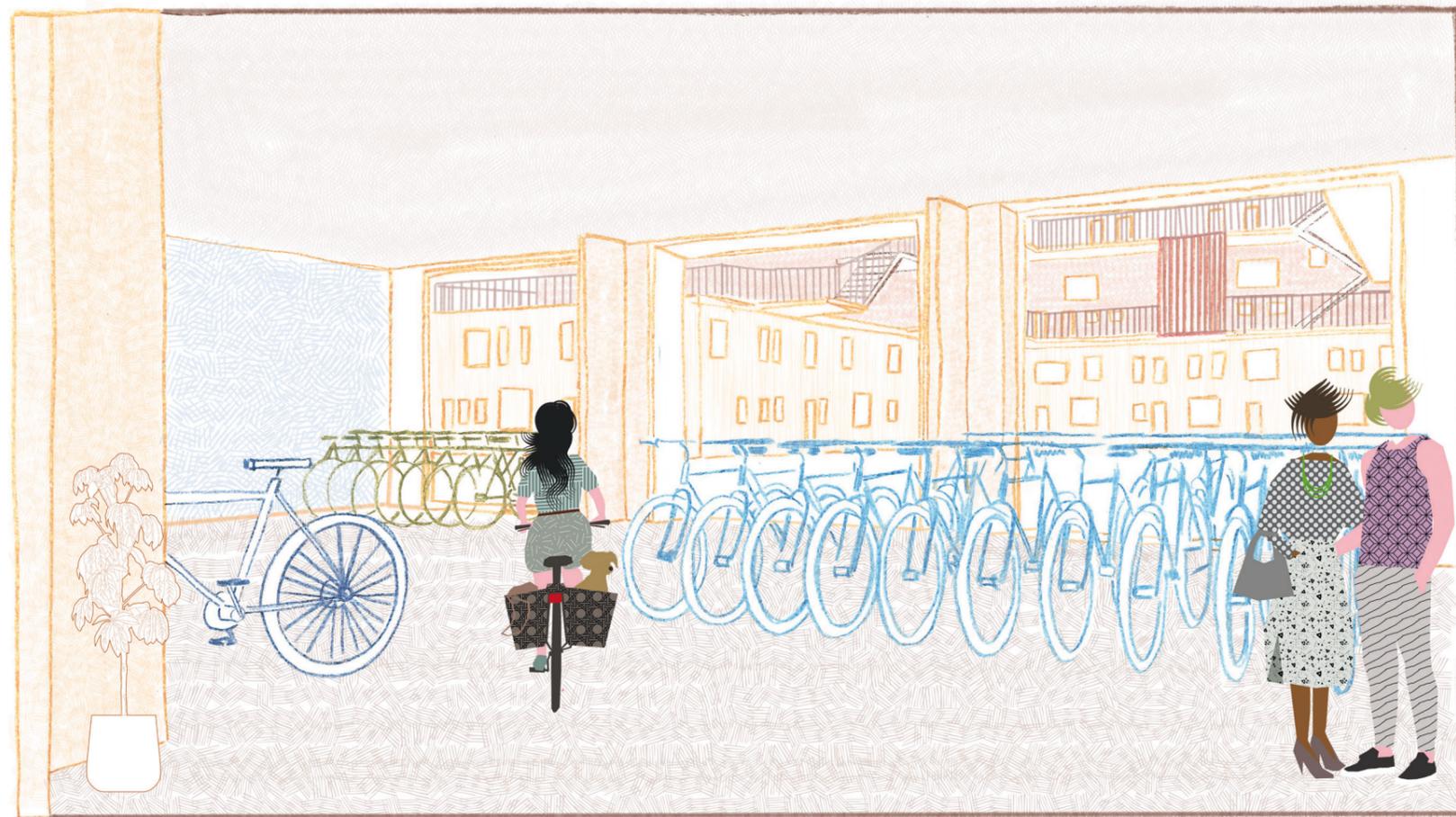
GYM



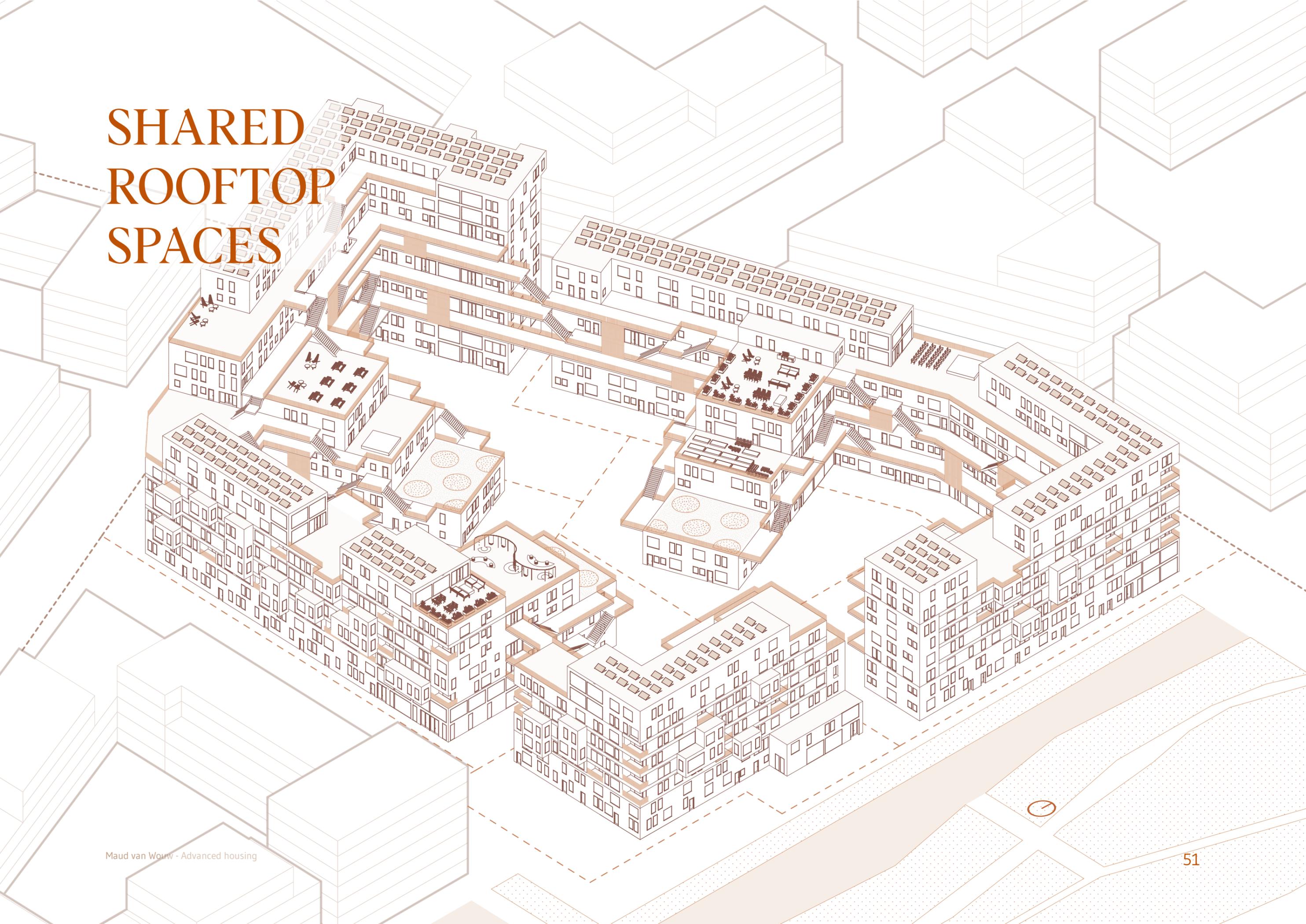
LIVING ROOM



FLEX WORK SPACES

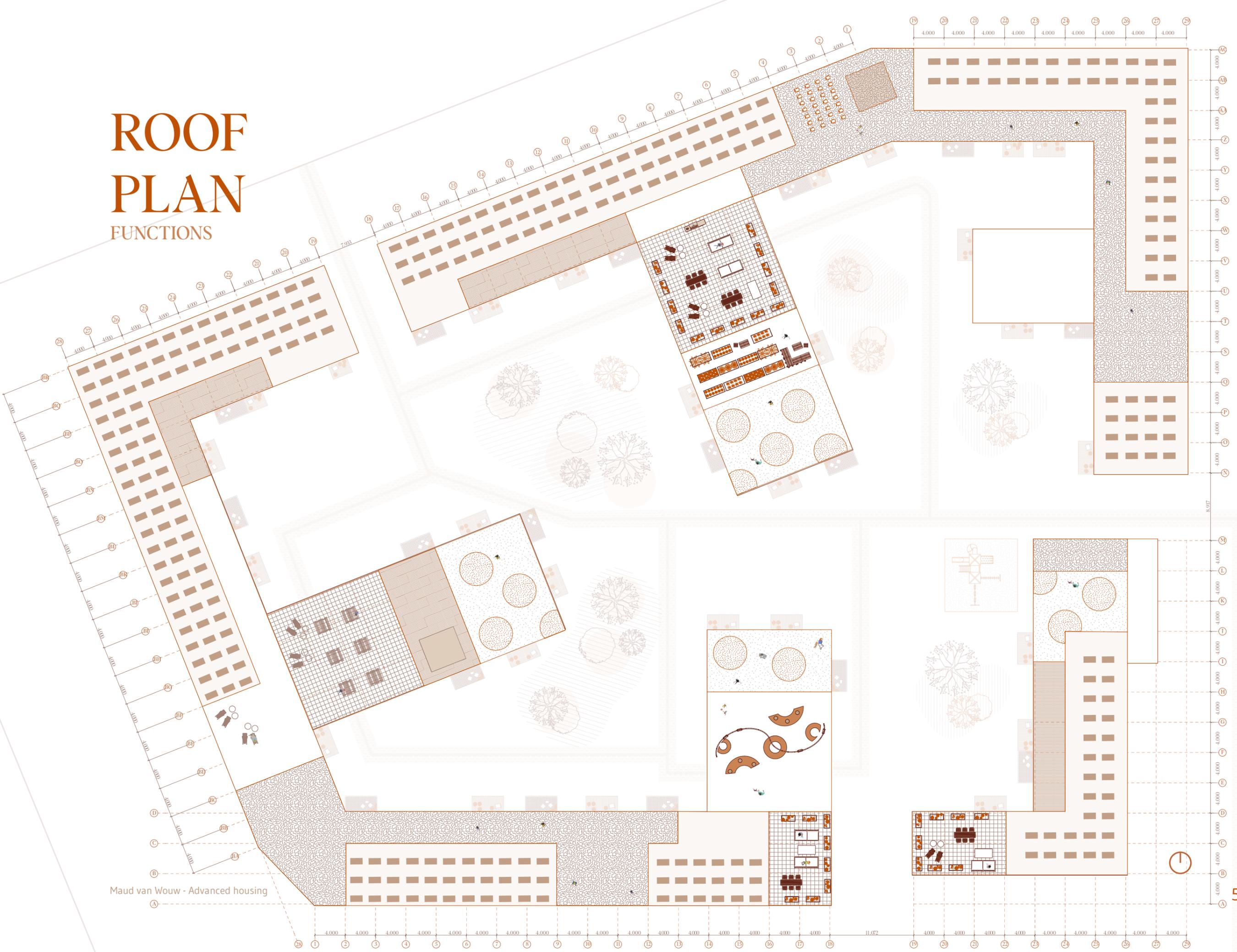


SHARED ROOFTOP SPACES

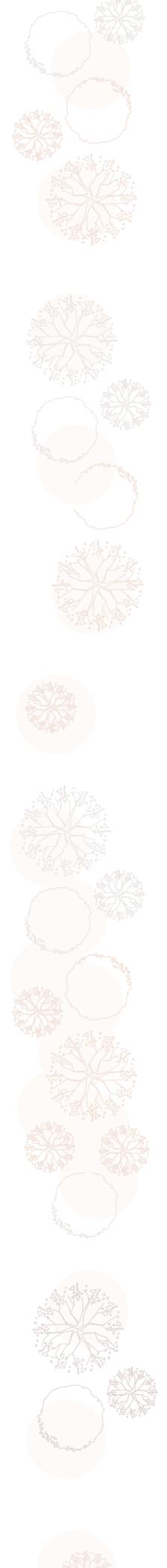




ROOF PLAN FUNCTIONS



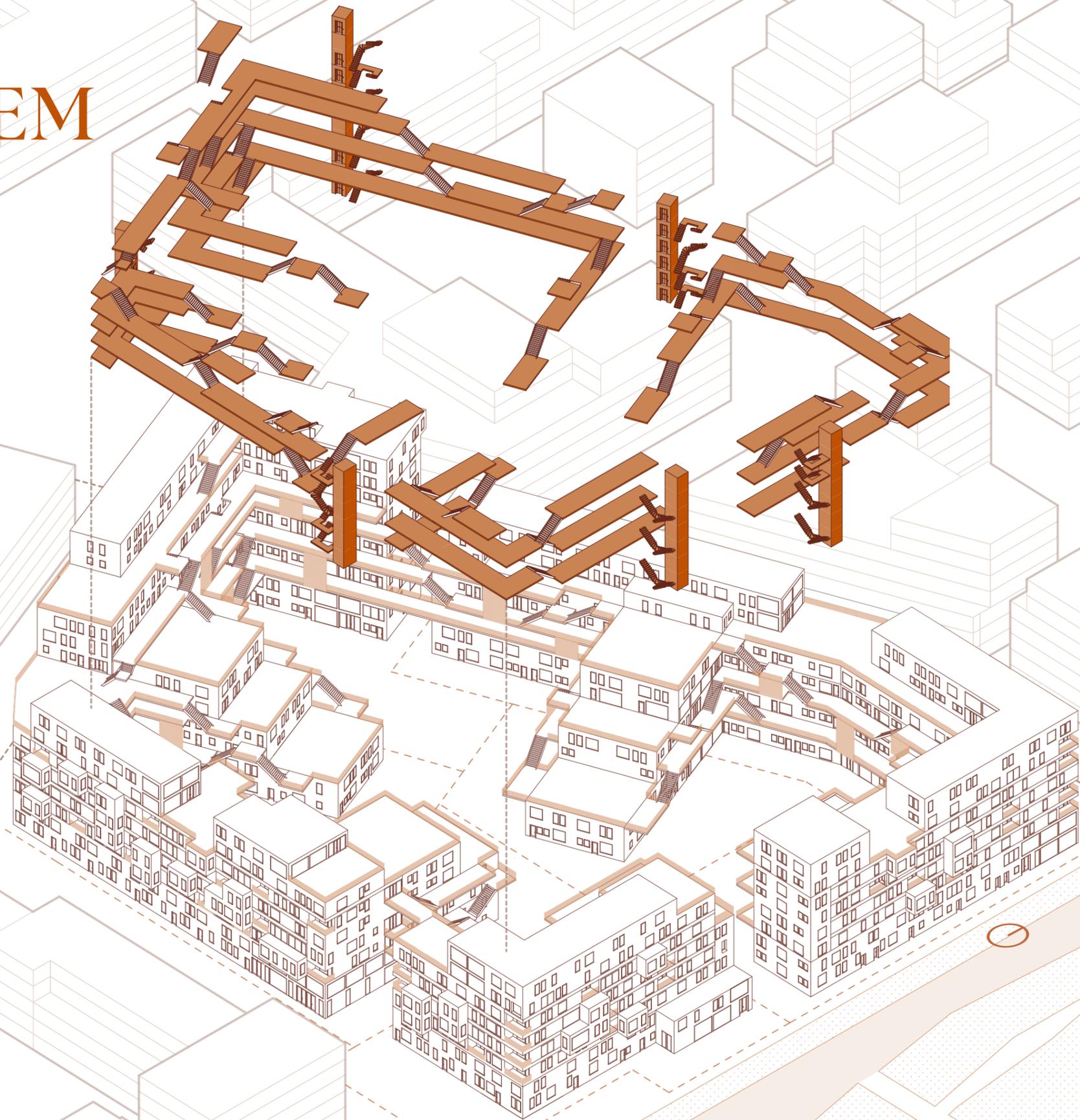
Maud van Wouw - Advanced housing





ACCESS SYSTEM

GALLERY ACCESS



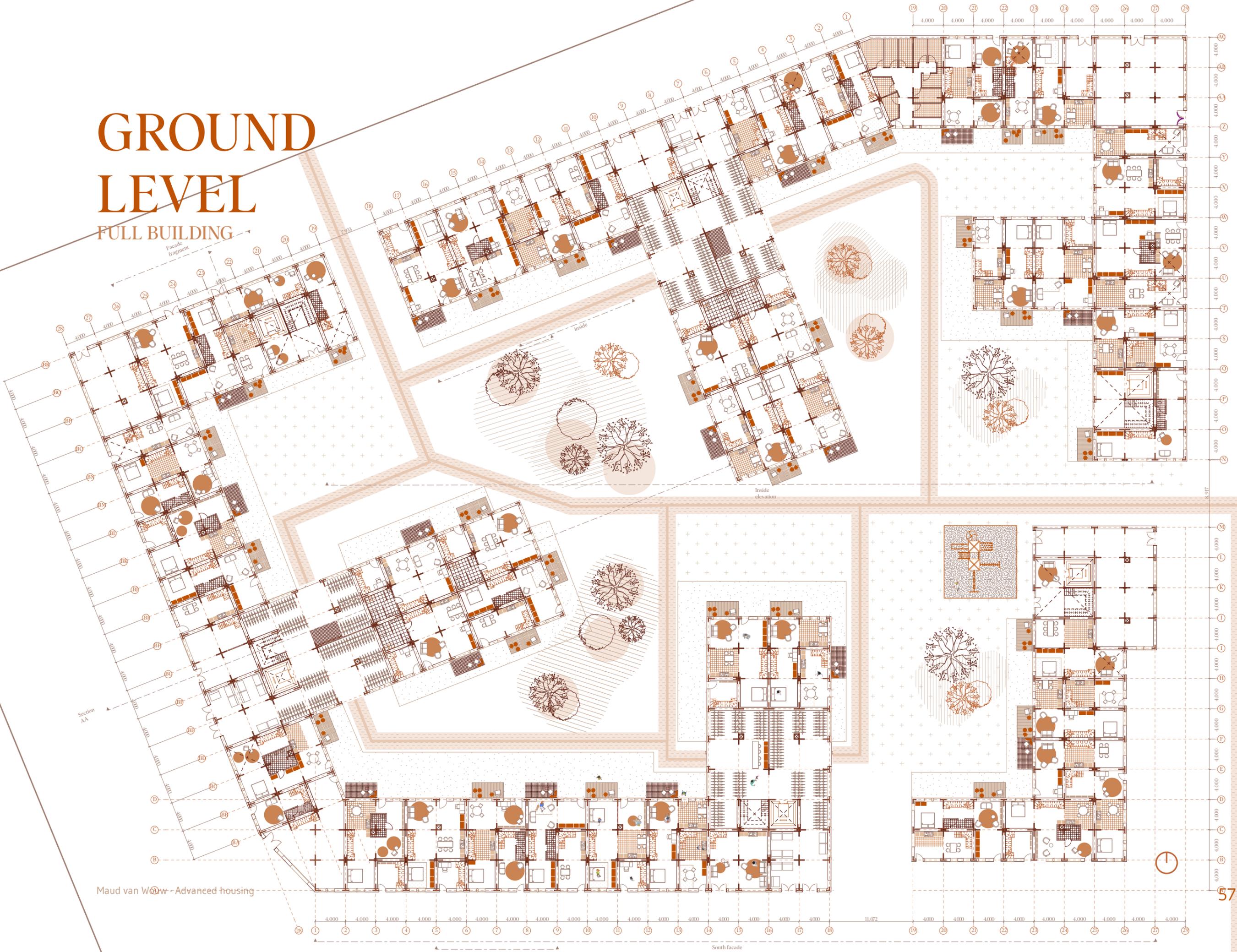
BREAKING DOWN BARRIERS



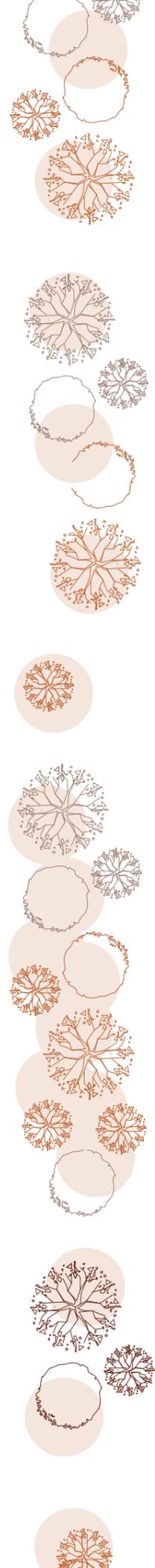
BETWEEN PRIVATE AND COMMUNAL

GROUND LEVEL

FULL BUILDING

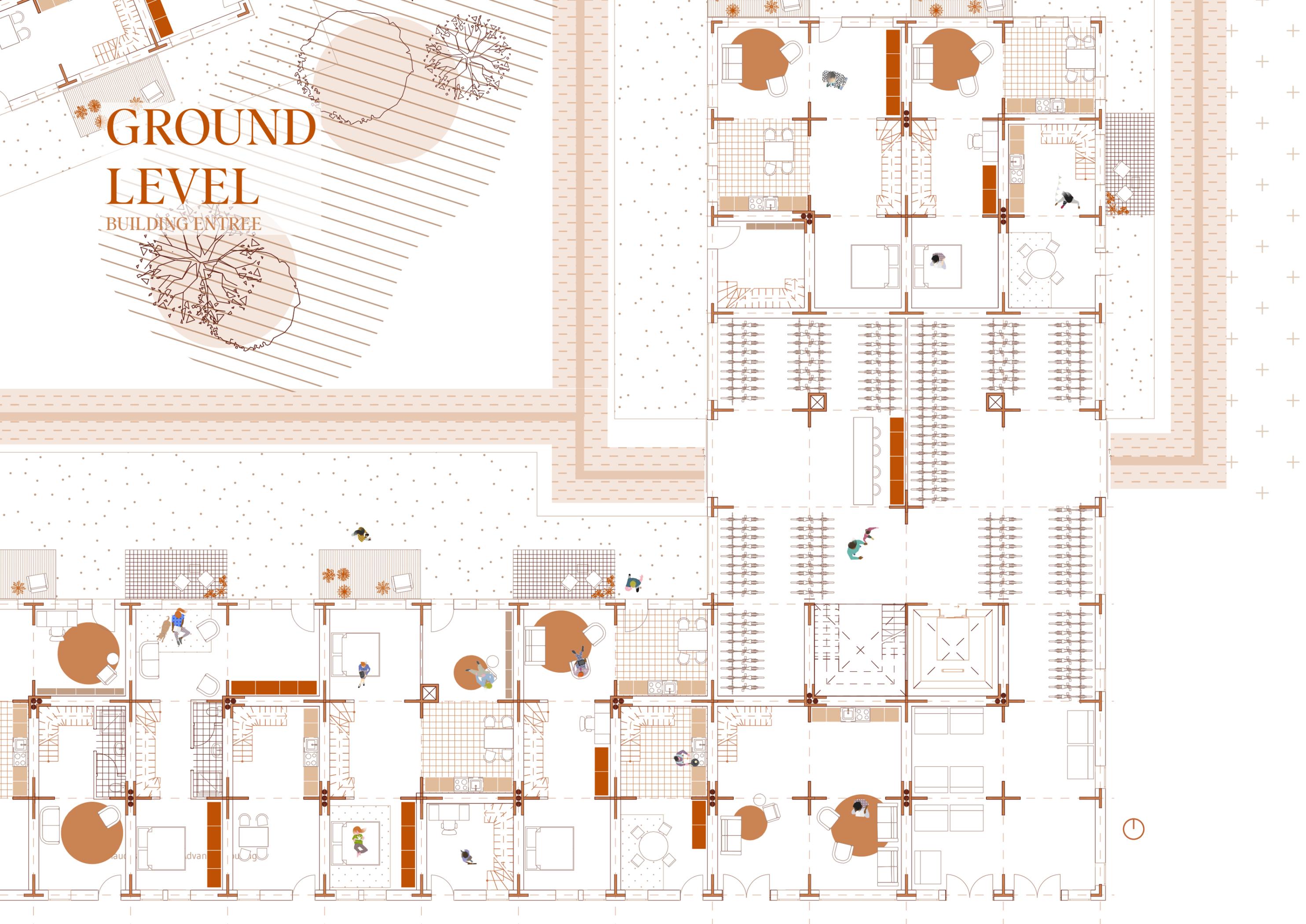


Maud van Wouw - Advanced housing



GROUND LEVEL

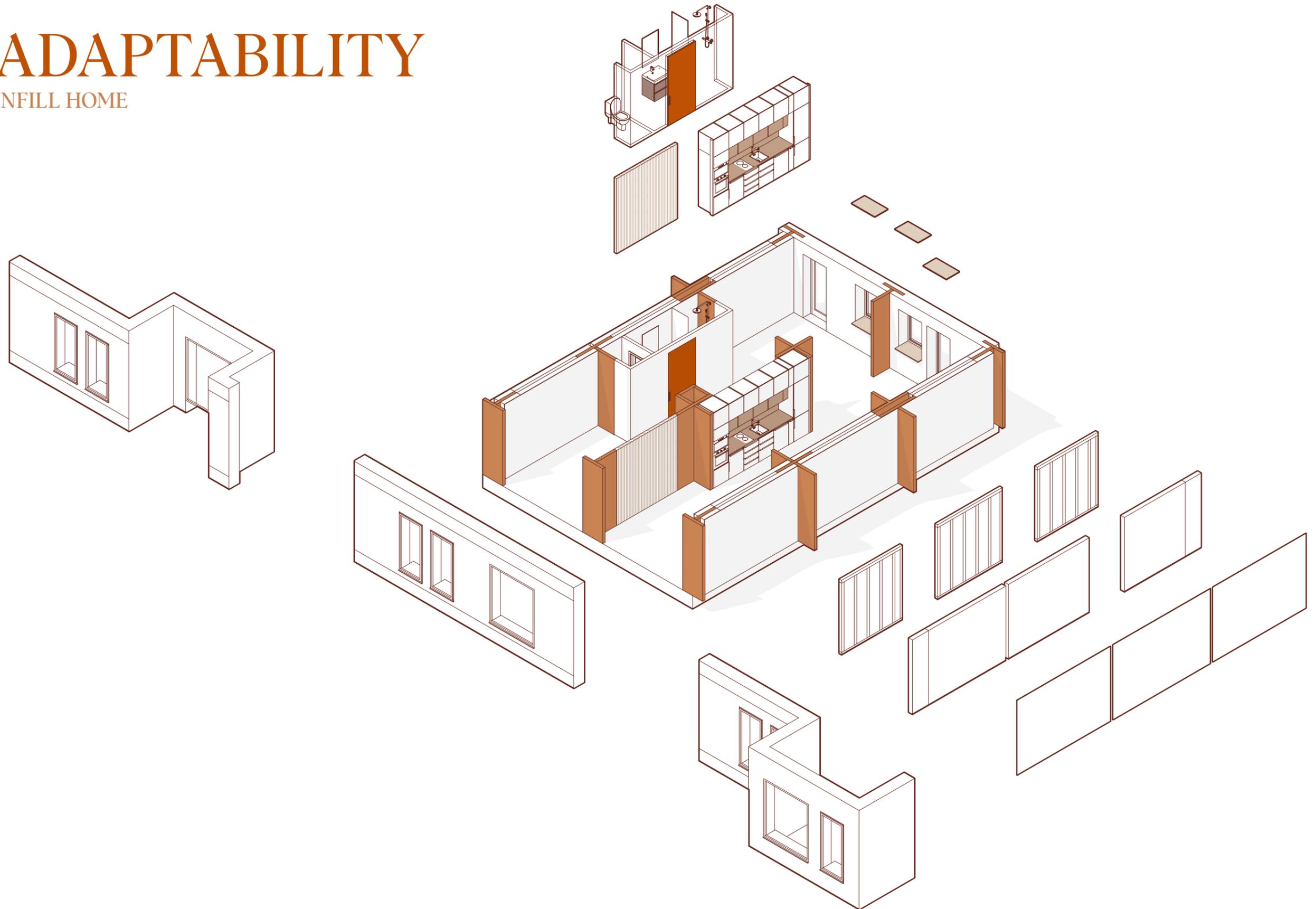
BUILDING ENTREE





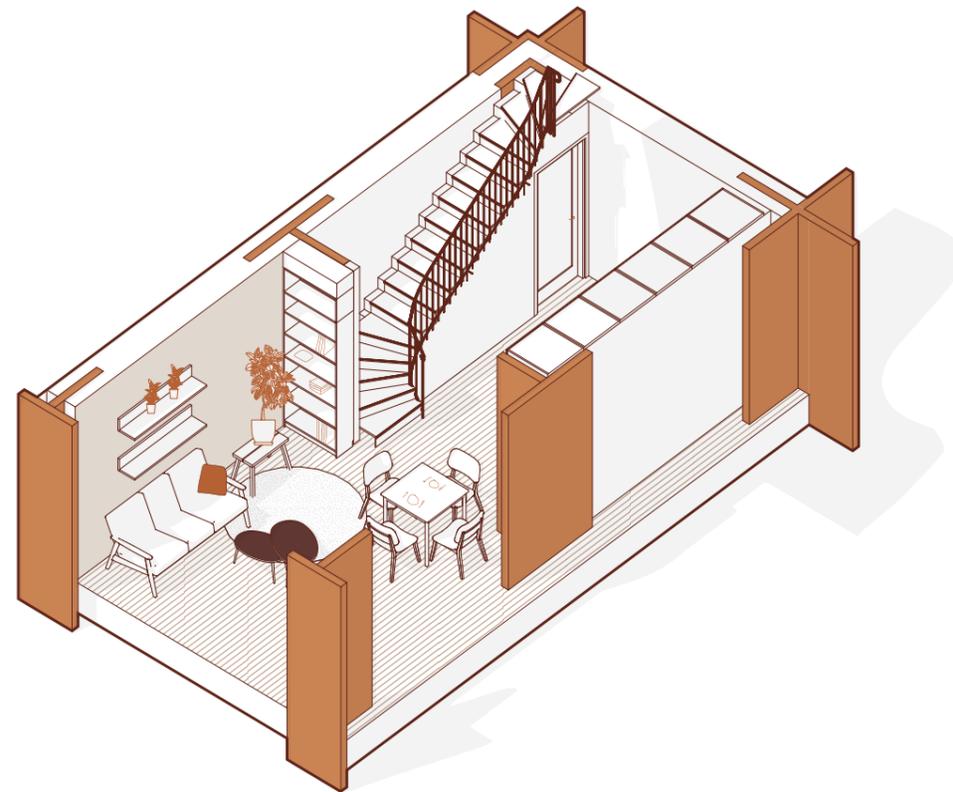
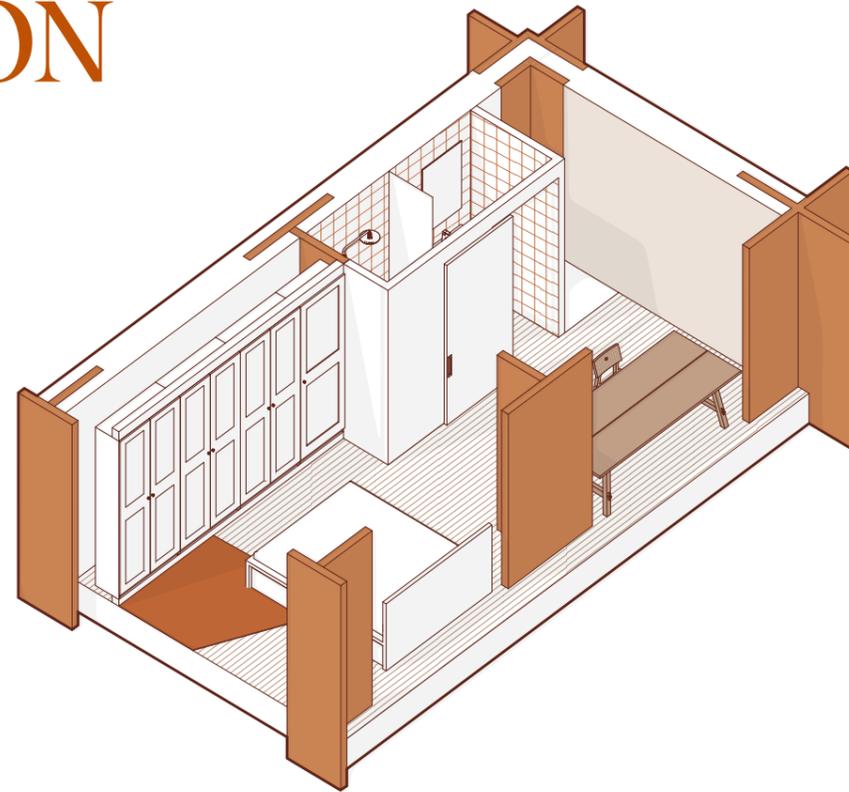
ADAPTABILITY

INFILL HOME



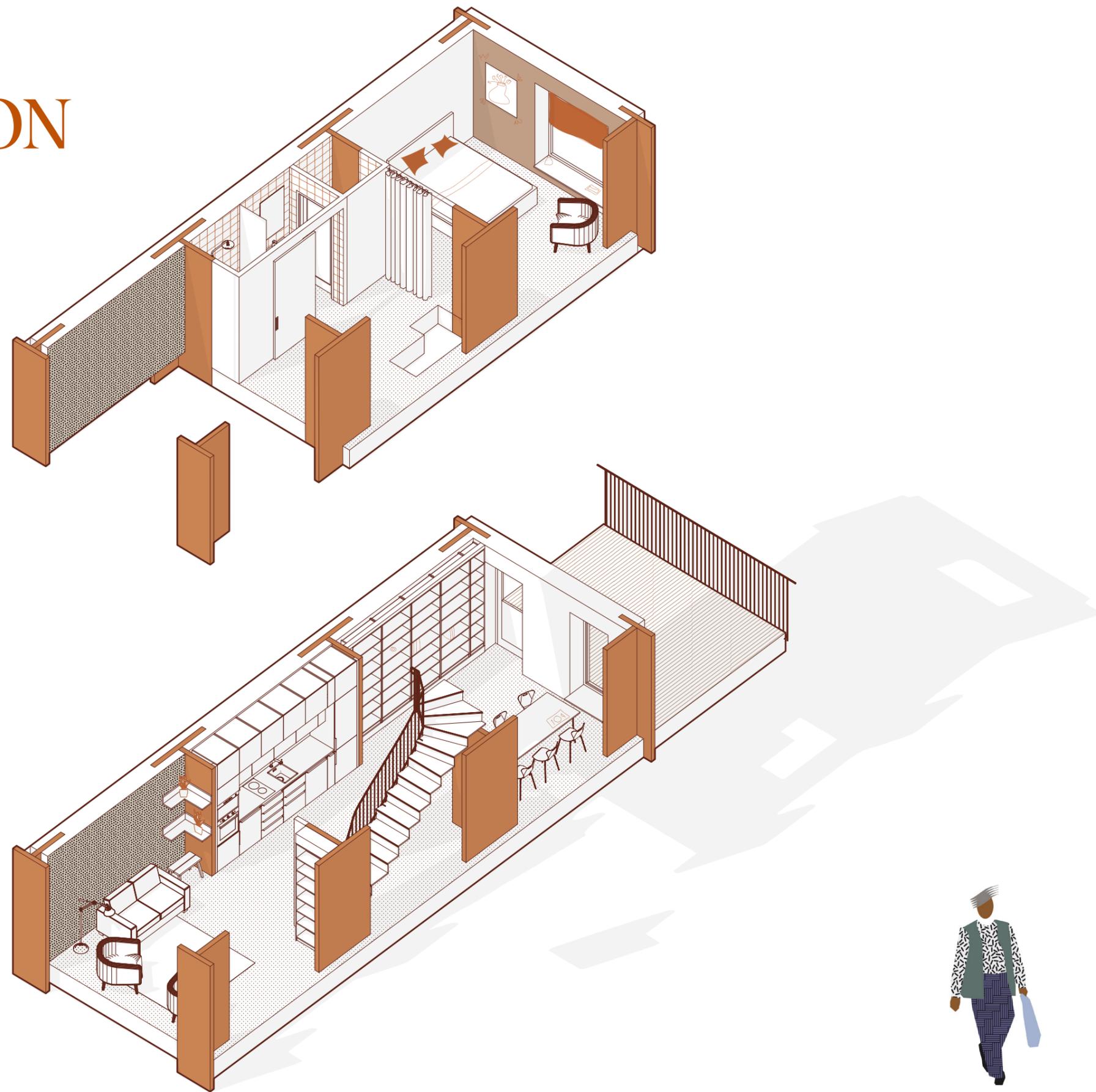
SINGLE-PERSON HOUSEHOLD

SMALL (TYPE C - 50 M²)



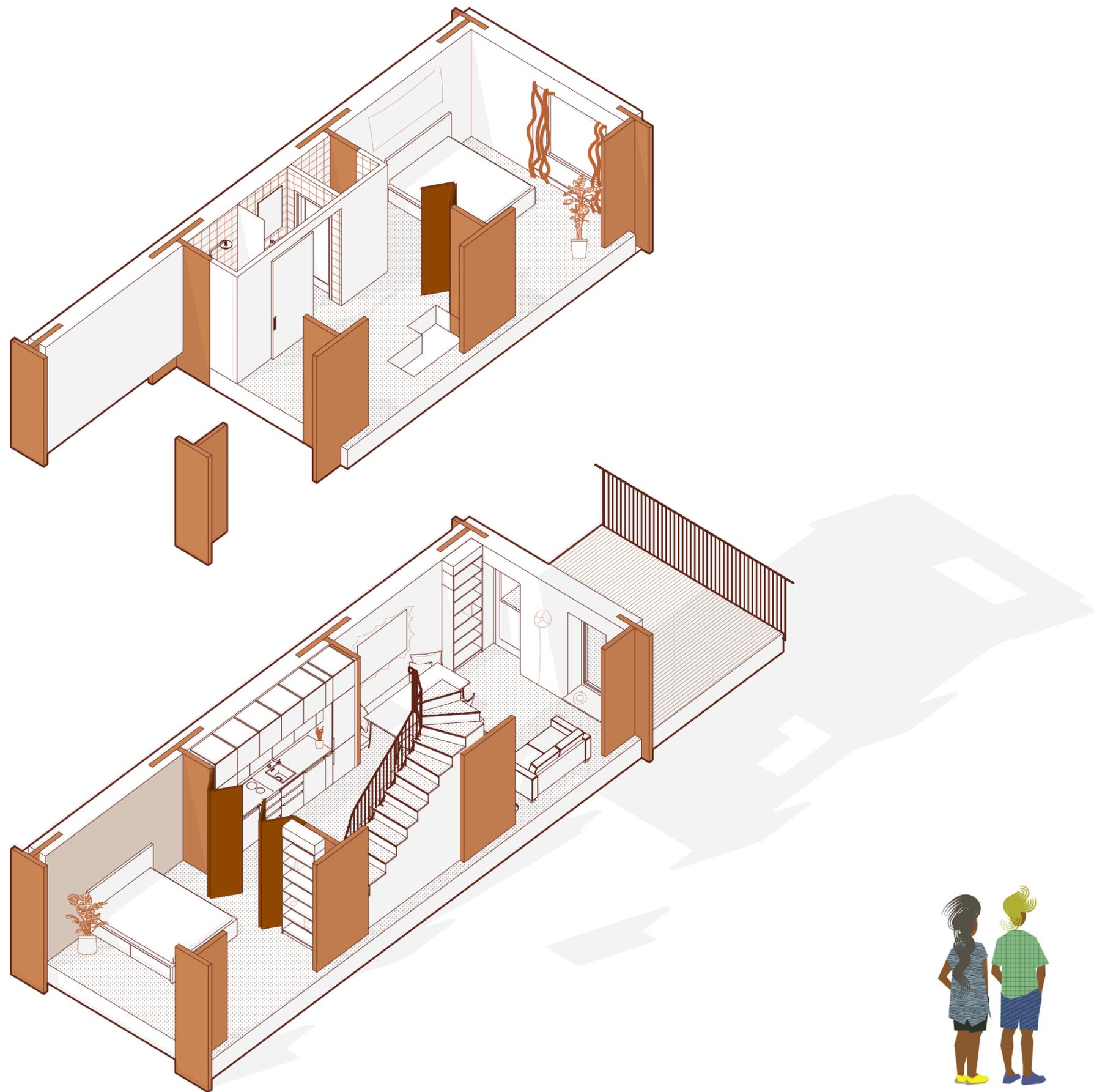
SINGLE-PERSON HOUSEHOLD

MEDIUM (TYPE D -75 M²)



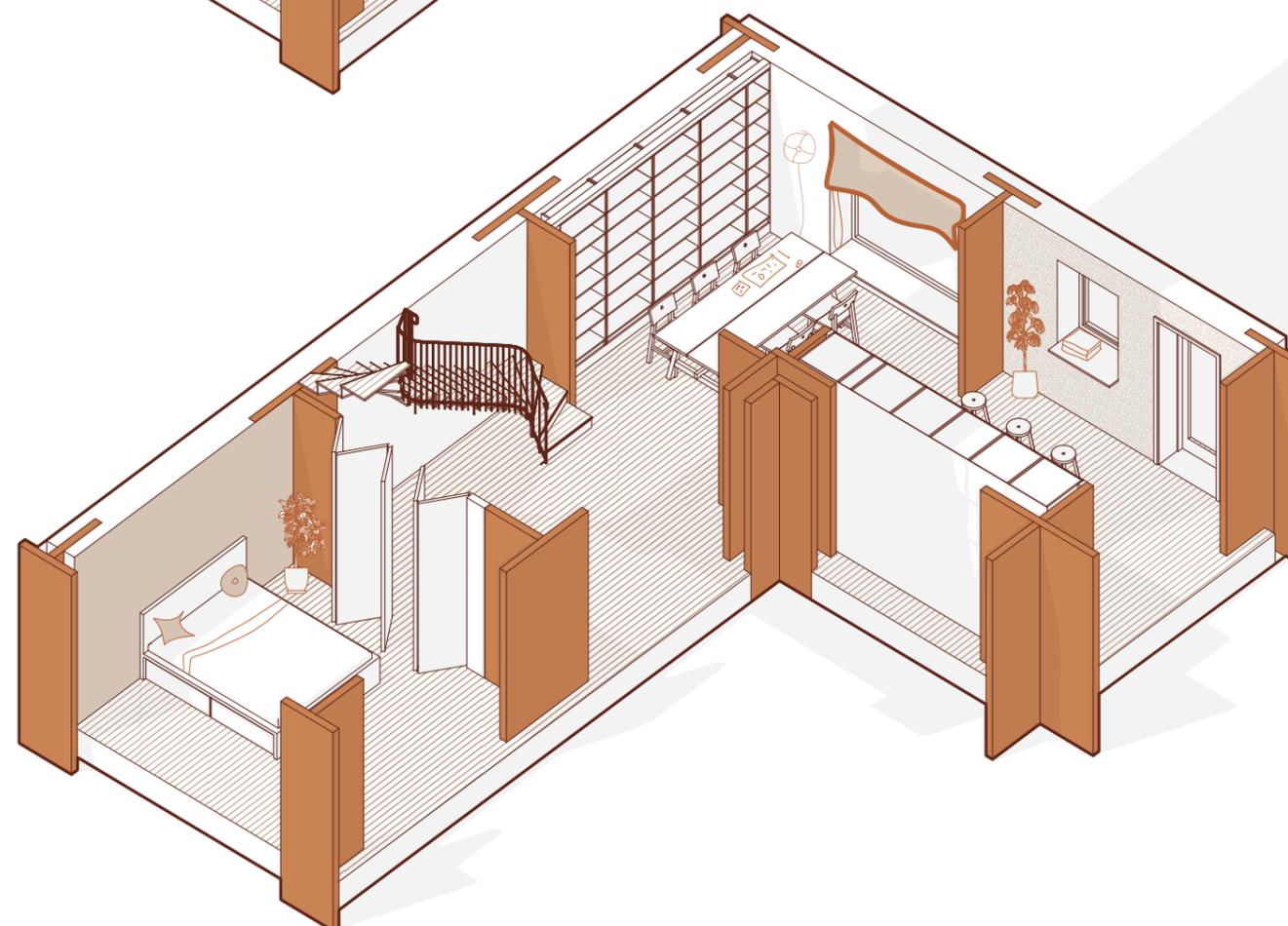
FRIENDS HOUSEHOLD

SMALL (TYPE D -75 M²)



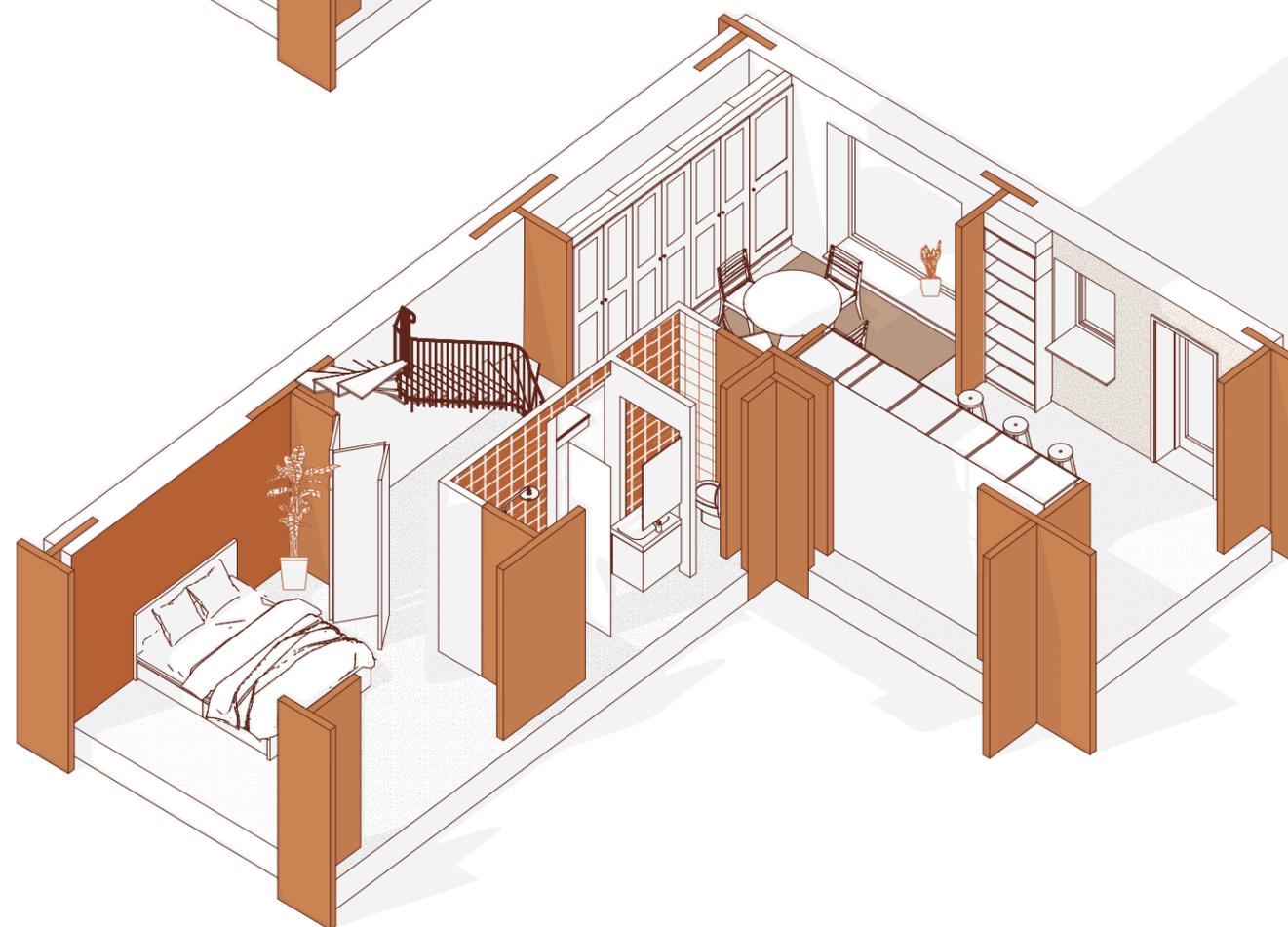
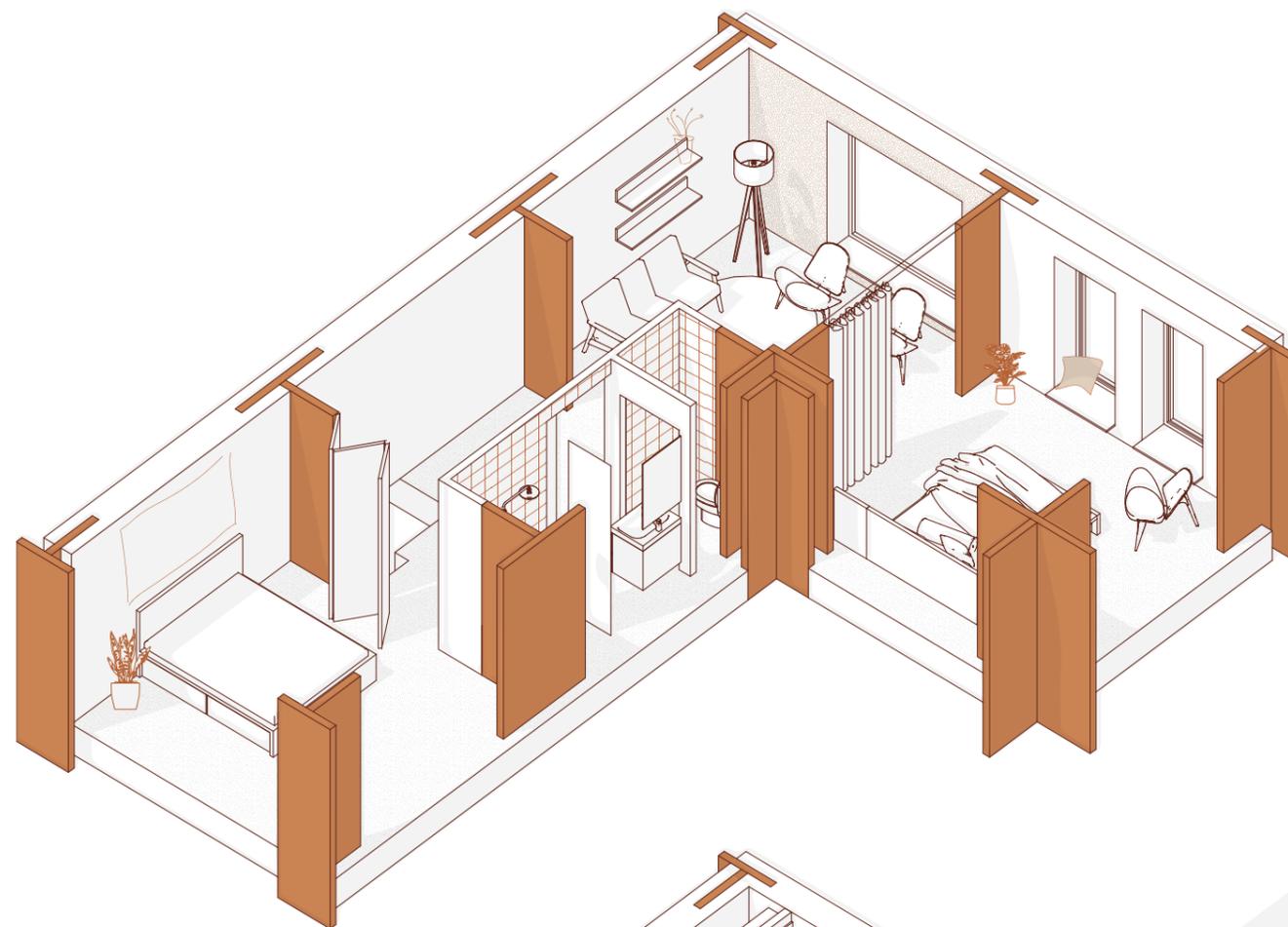
THREE-PERSON HOUSEHOLD

MEDIUM (TYPE A - 100 M²)



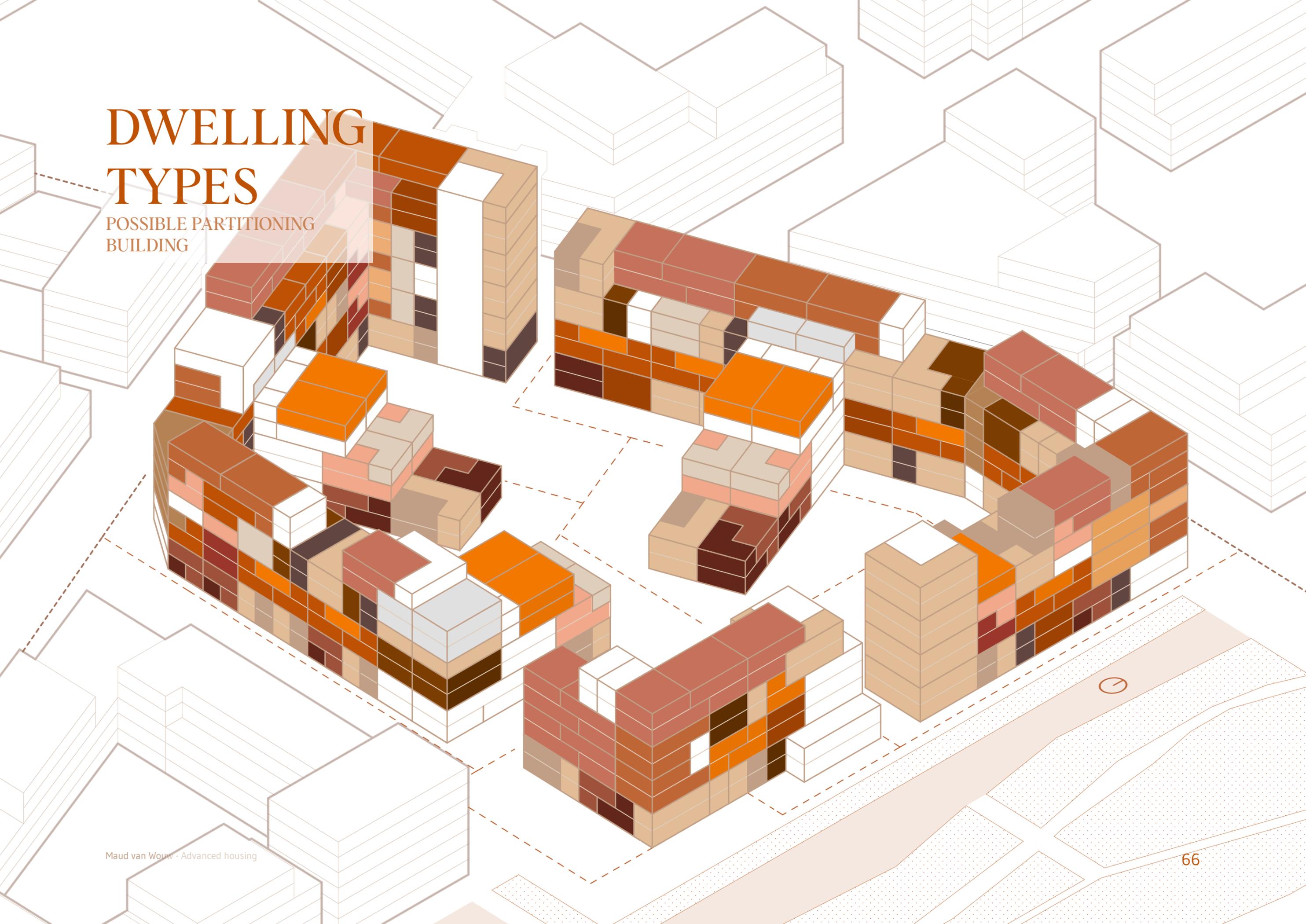
FAMILY HOME

LARGE (TYPE A - 100 M²)



DWELLING TYPES

POSSIBLE PARTITIONING
BUILDING

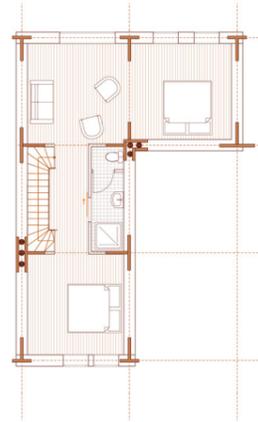
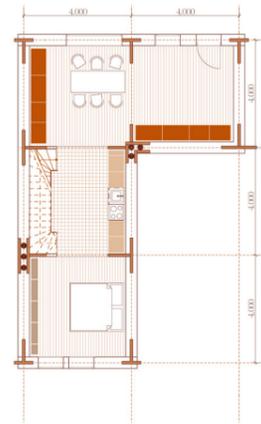


DWELLING TYPES

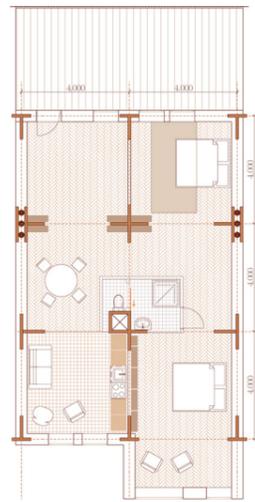
TOTAL AMOUNT OF UNITS - 275

FSI - 2.1

A1
Square metres - 100 m²
number of units - 32



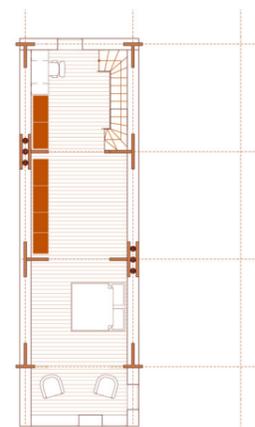
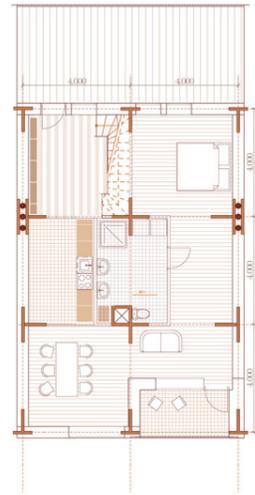
B1
Square metres - 78 m²
number of units - 28



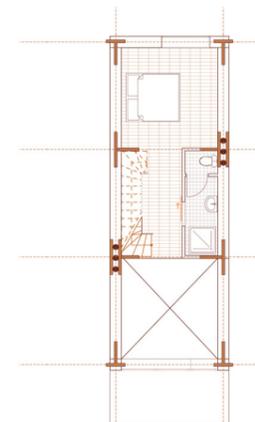
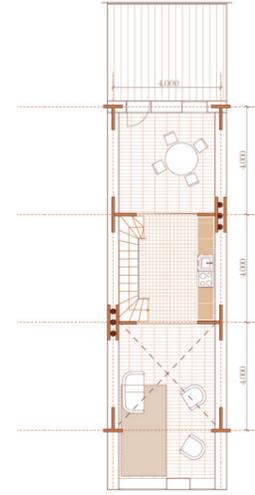
C1
Square metres - 50 m²
number of units - 24



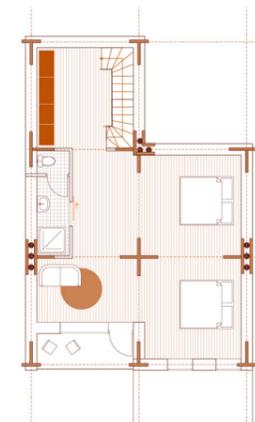
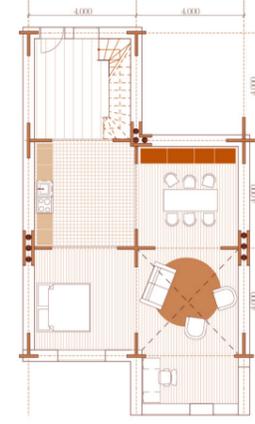
C2
Square metres - 65 m²
number of units - 16



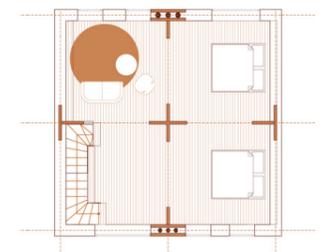
D1
Square metres - 115 m²
number of units - 24



E1
Square metres - 117 m²
number of units - 14

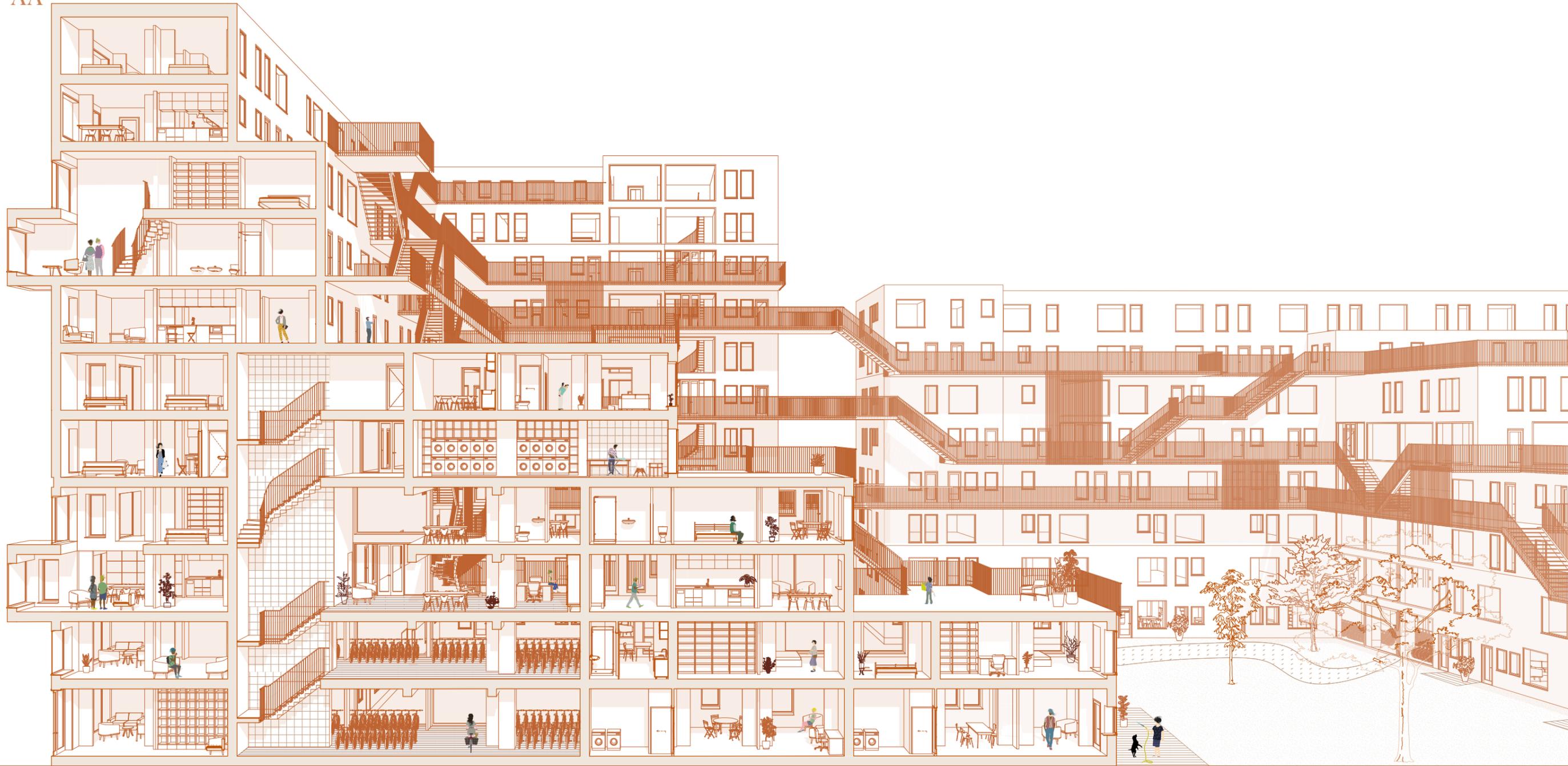


F1
Square metres - 130 m²
number of units - 17



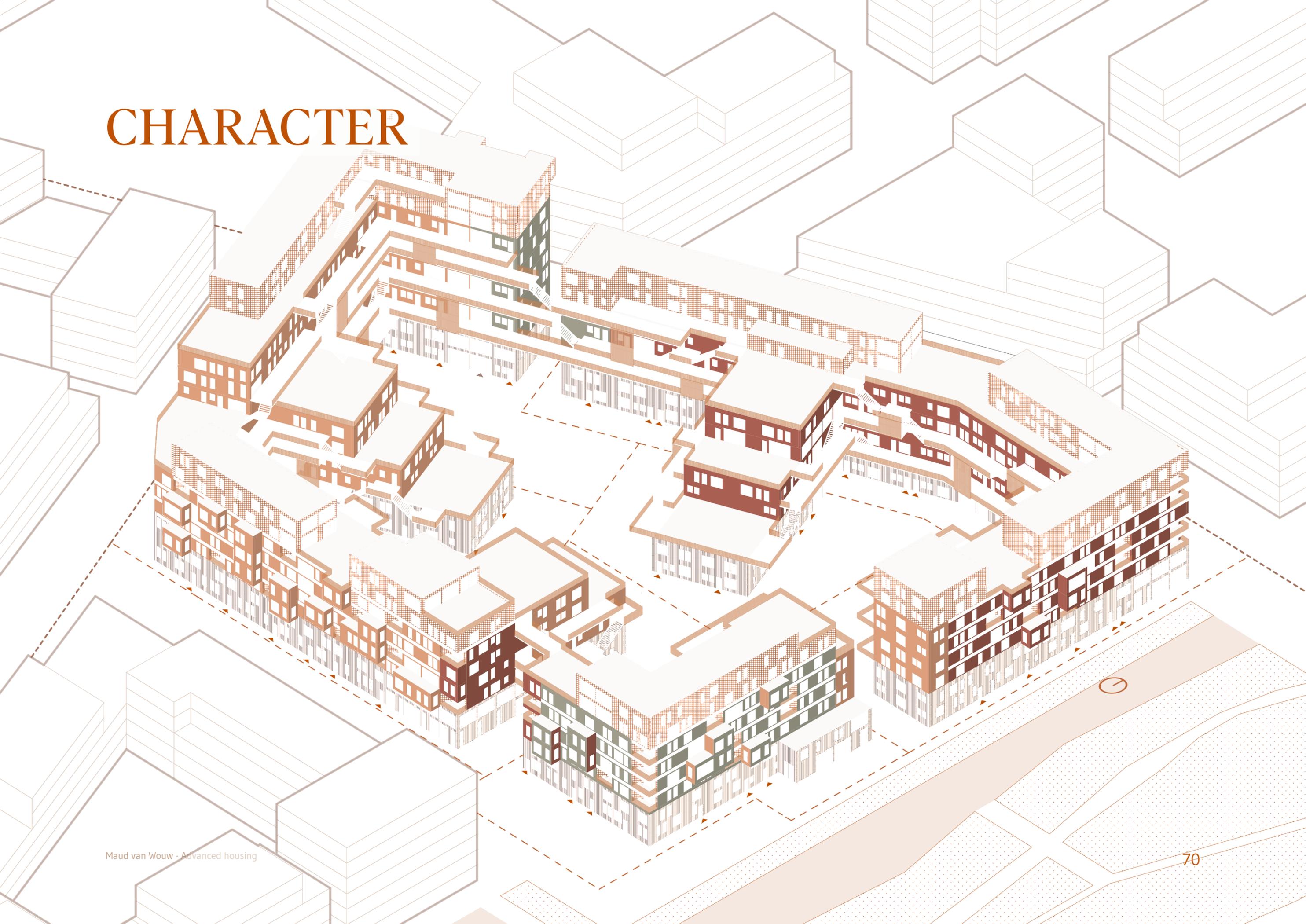
BUILDING SECTION

AA





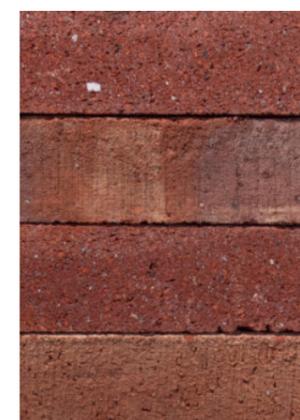
CHARACTER



MATERIALS

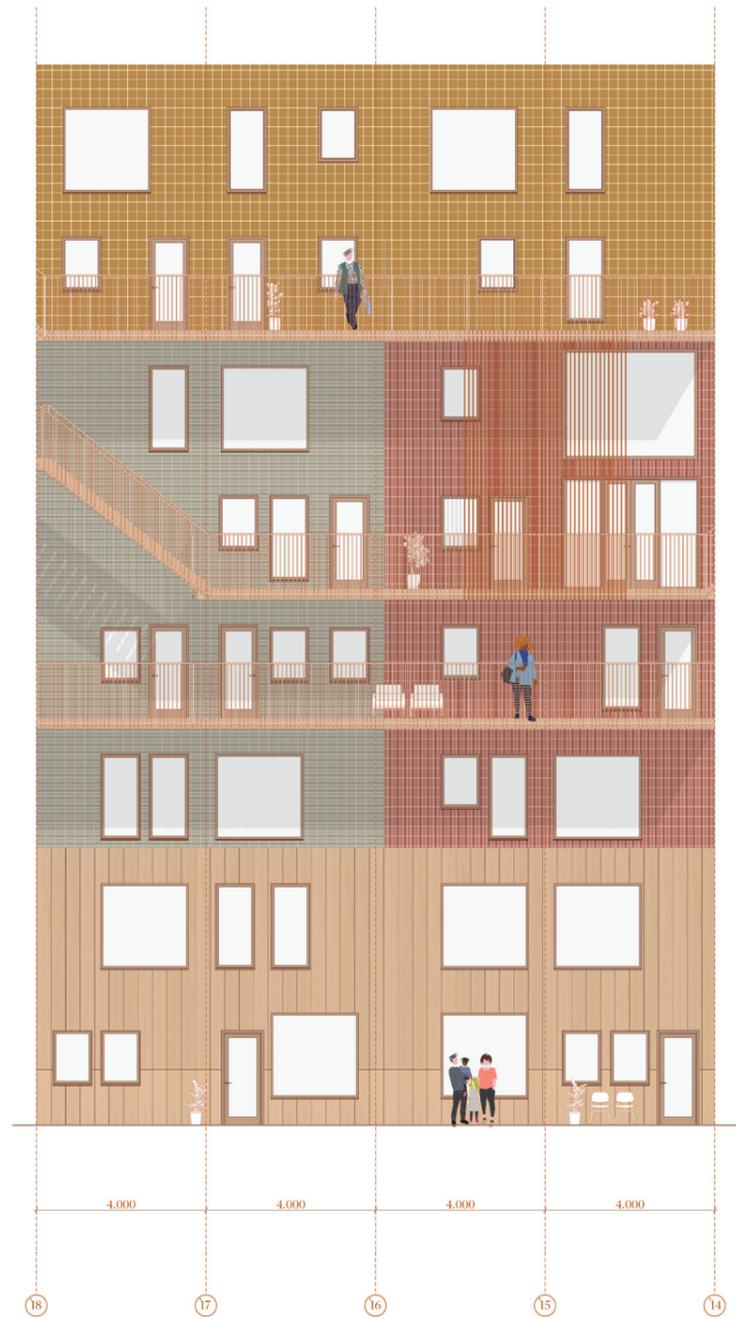
FACADES

BRICK AND TILES

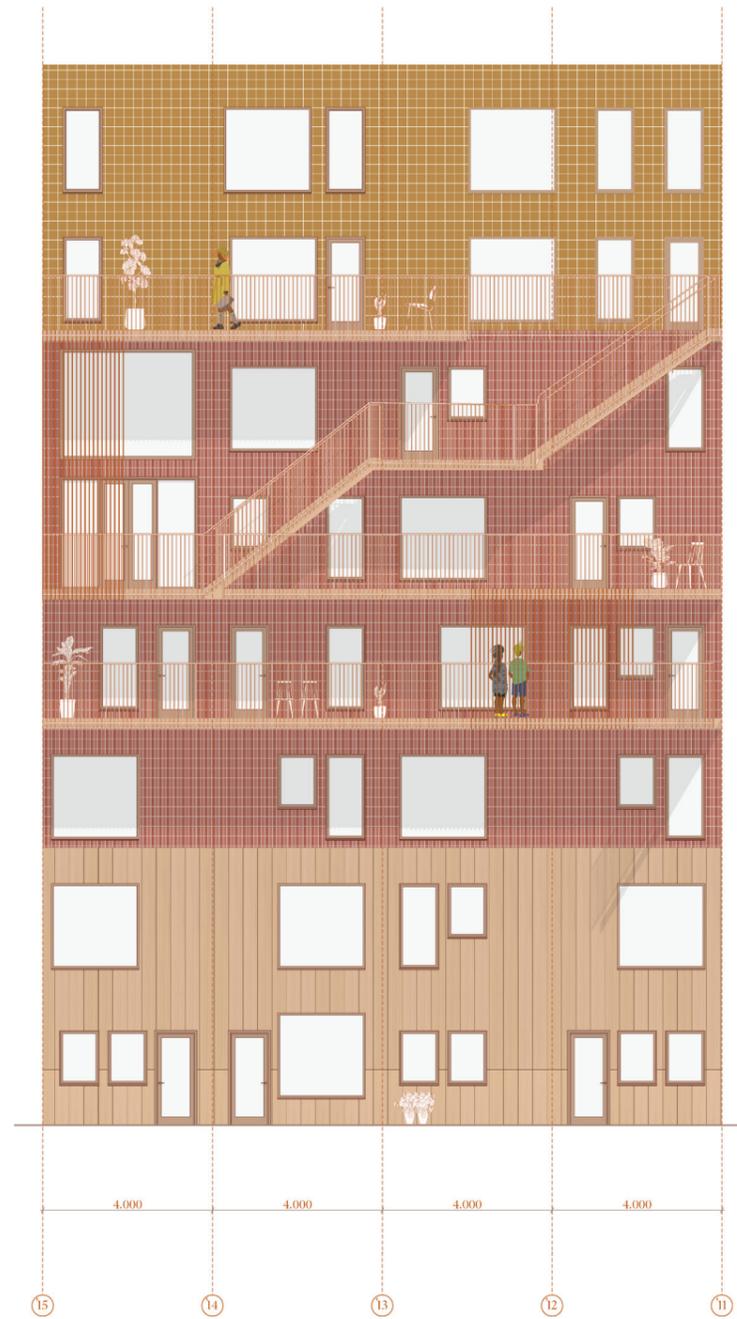


FACADES

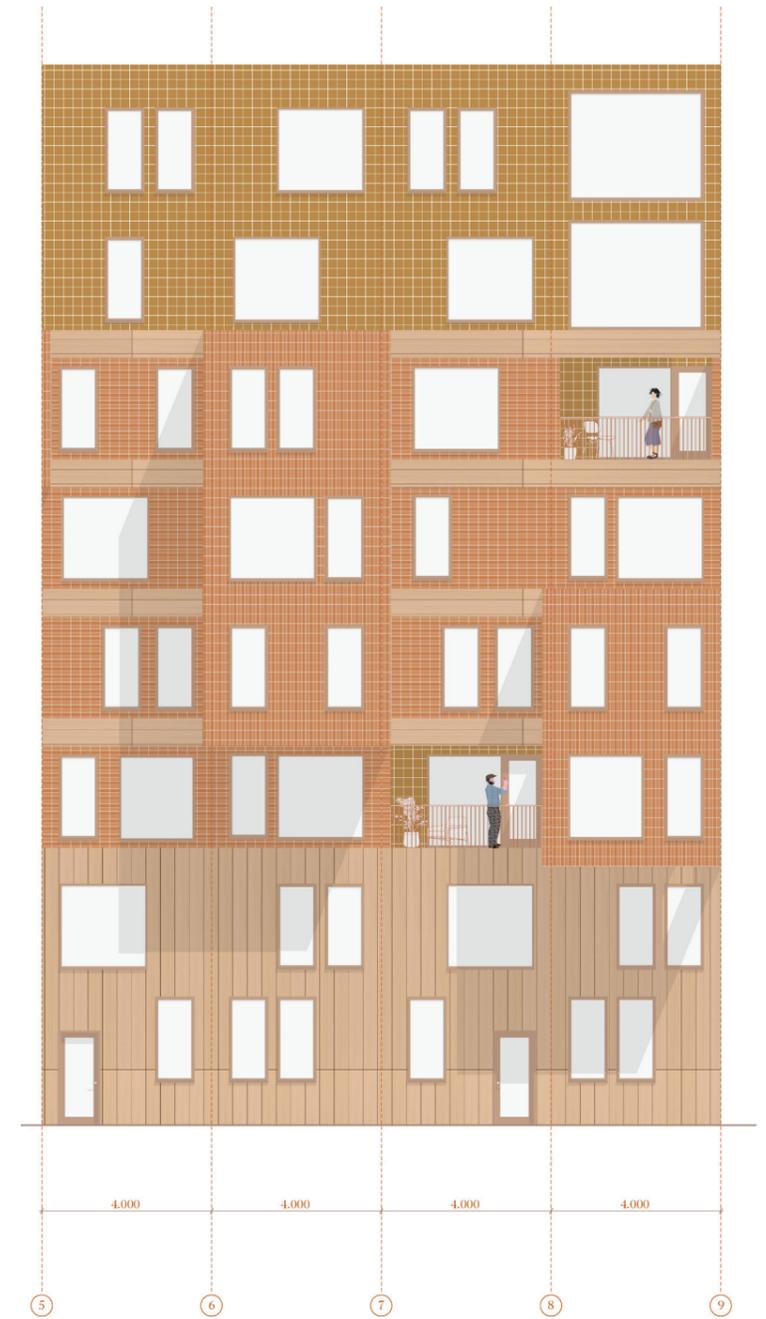
ENTRANCES



INSIDE

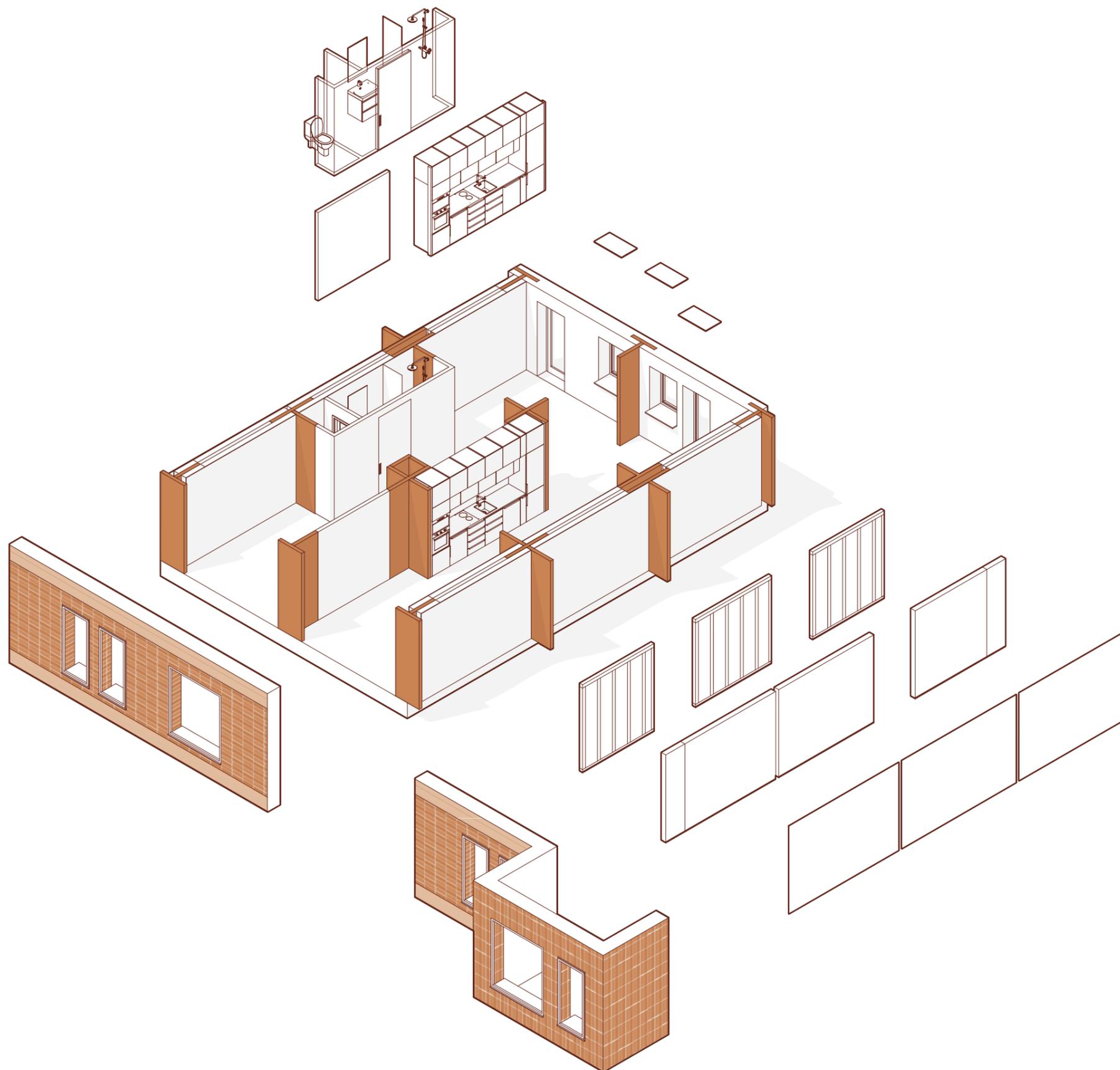
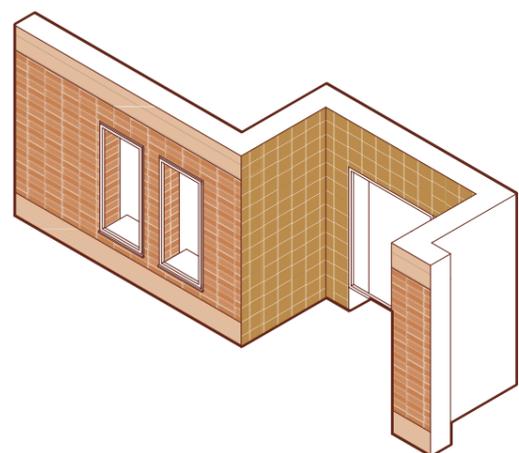


OUTSIDE



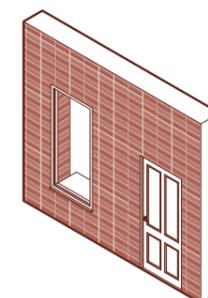
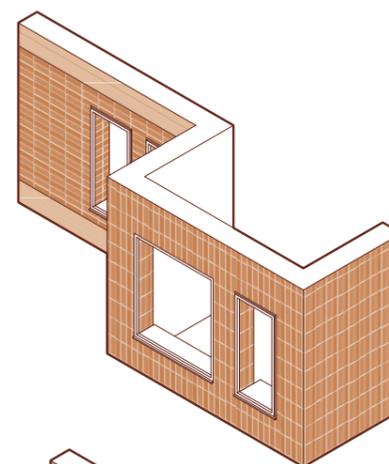
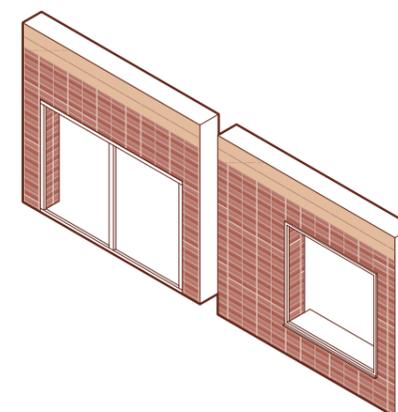
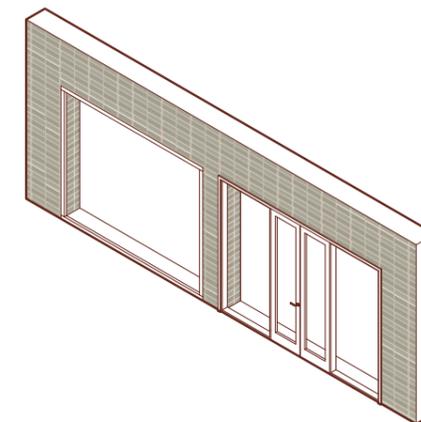
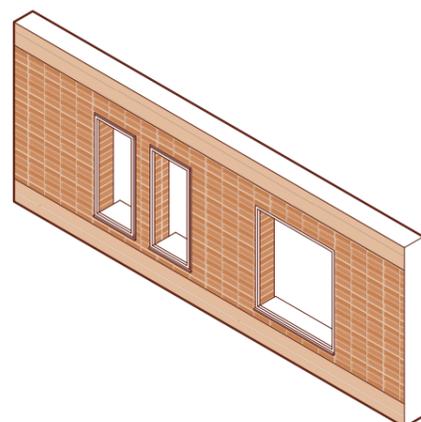
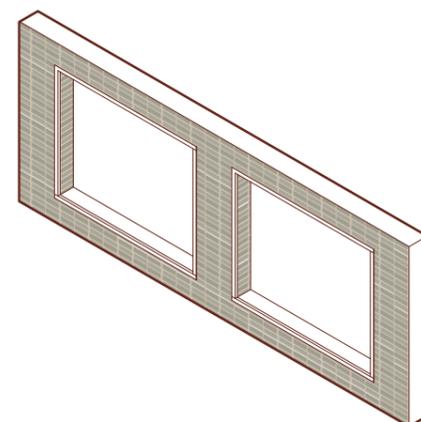
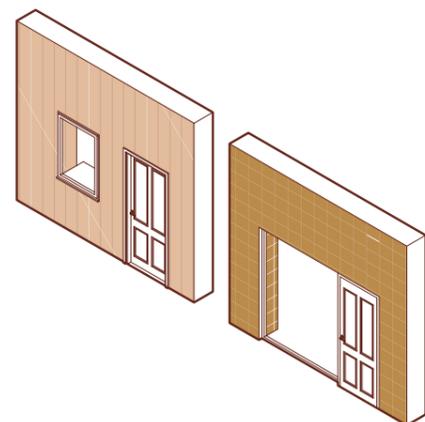
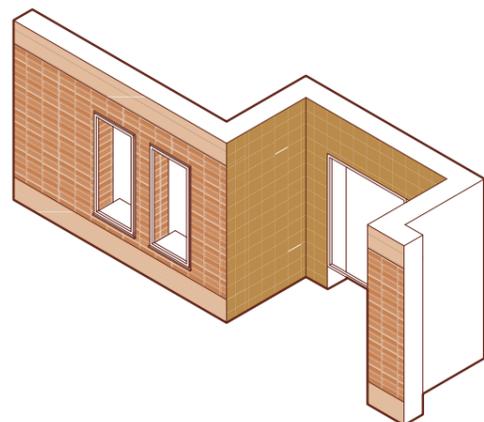
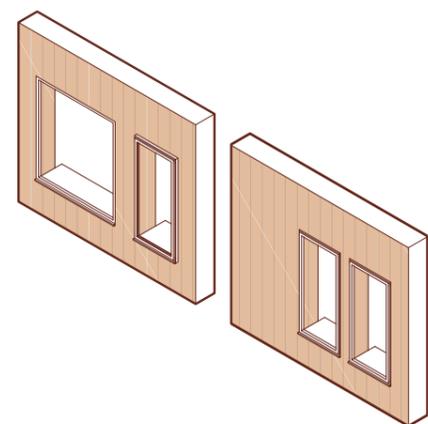
FACADE ELEMENTS

POSSIBLE CONFIGURATIONS



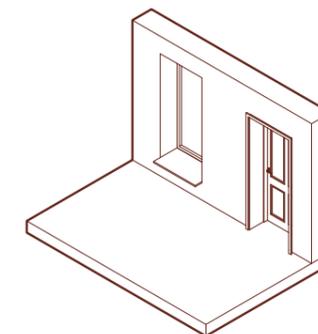
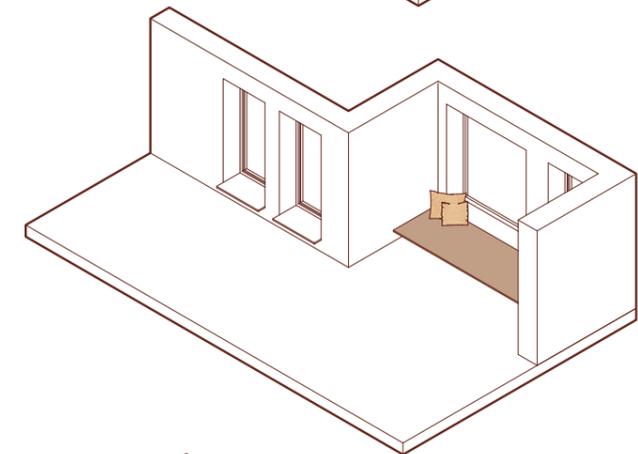
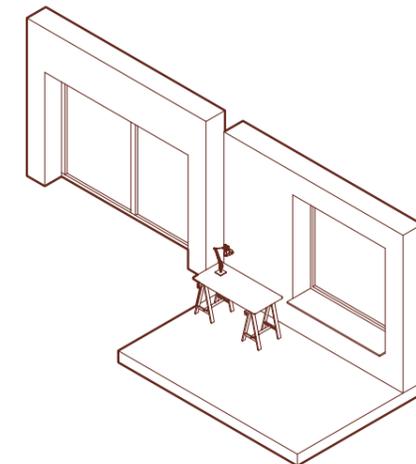
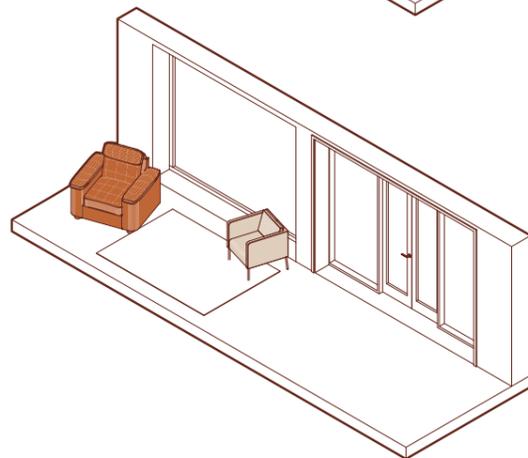
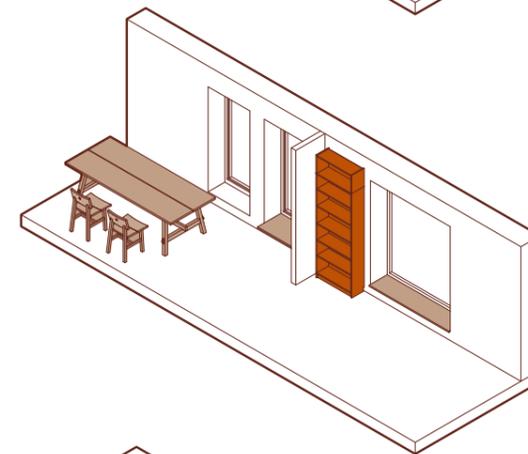
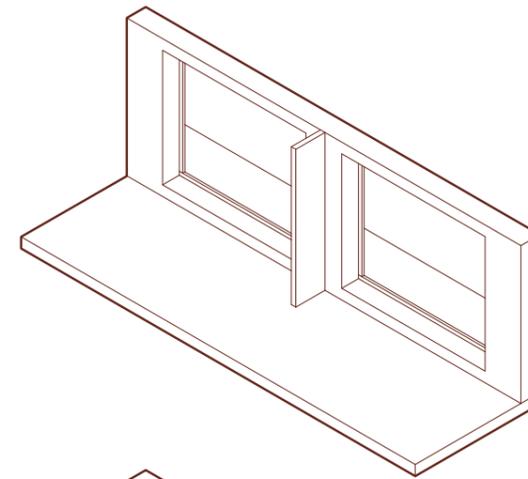
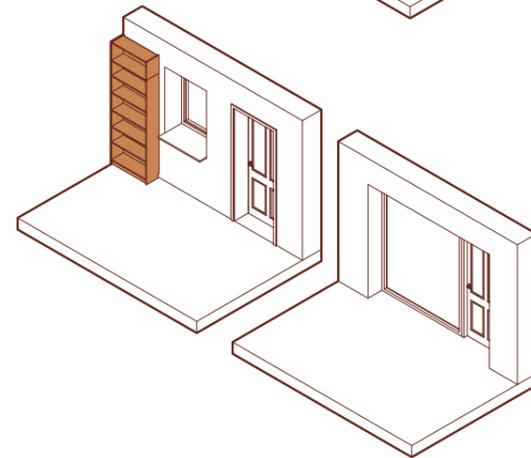
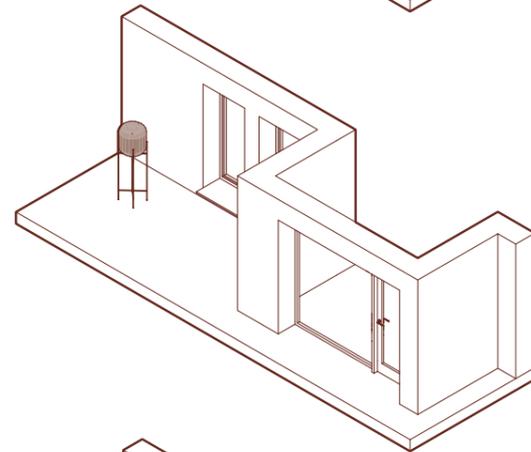
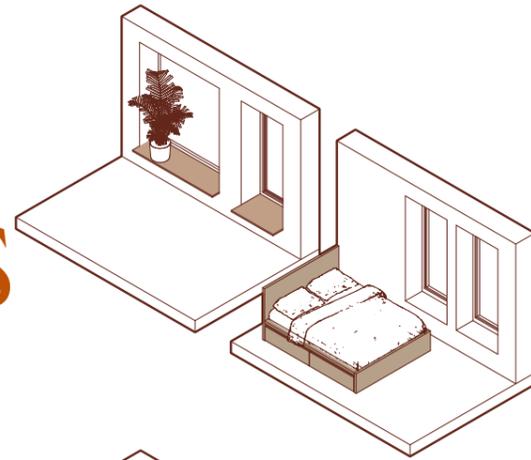
FACADE ELEMENTS

POSSIBLE CONFIGURATIONS



FACADE ELEMENTS

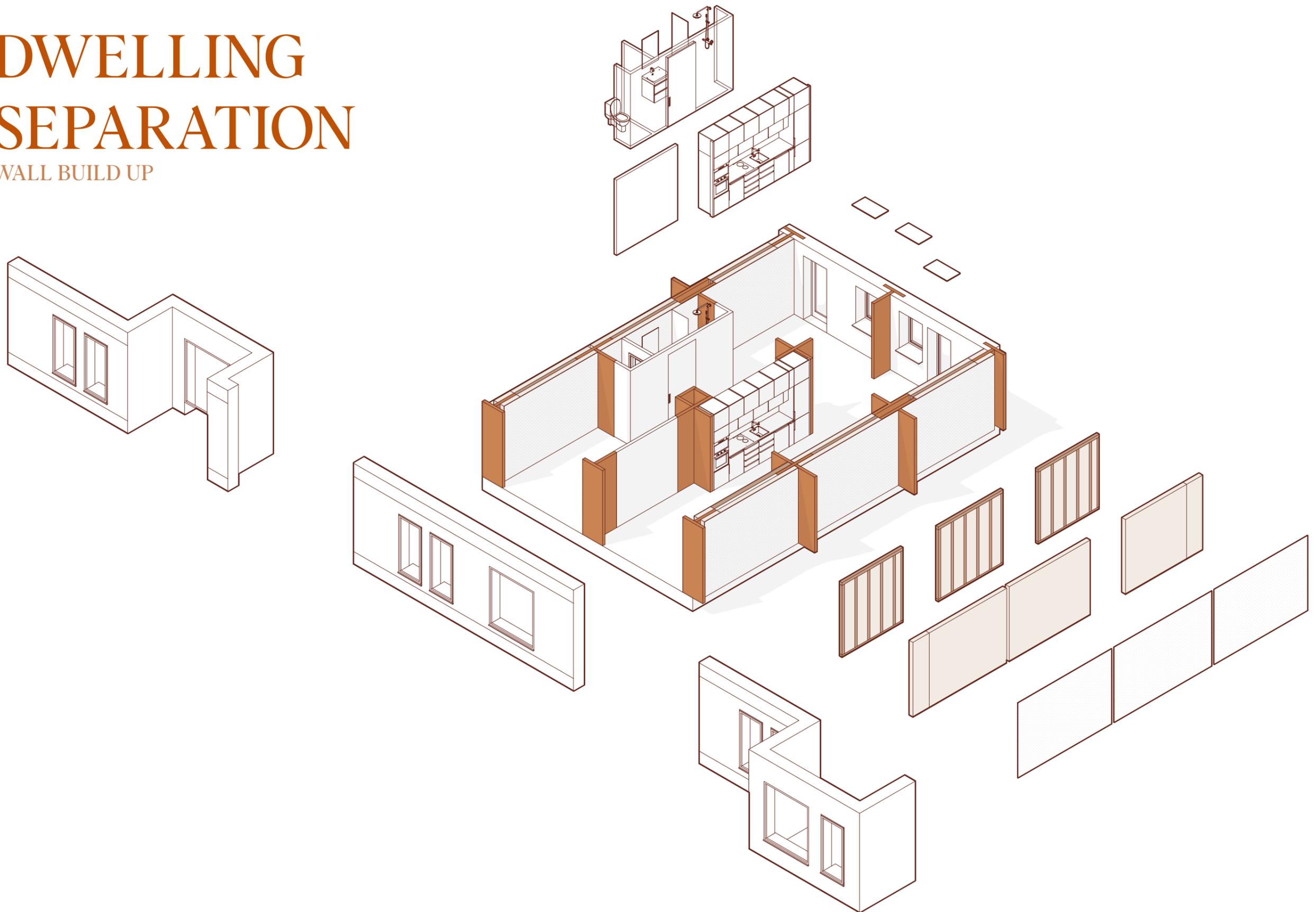
POSSIBLE CONFIGURATIONS

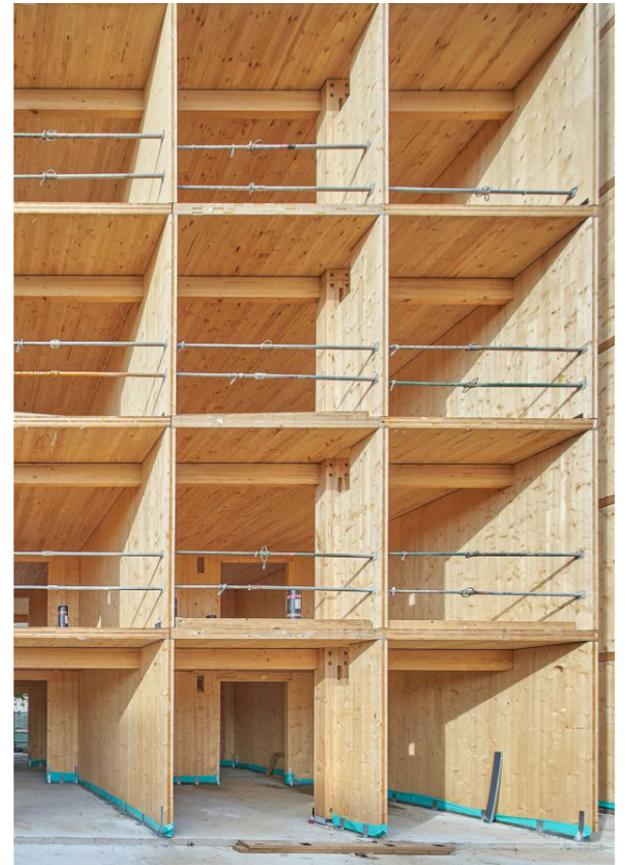
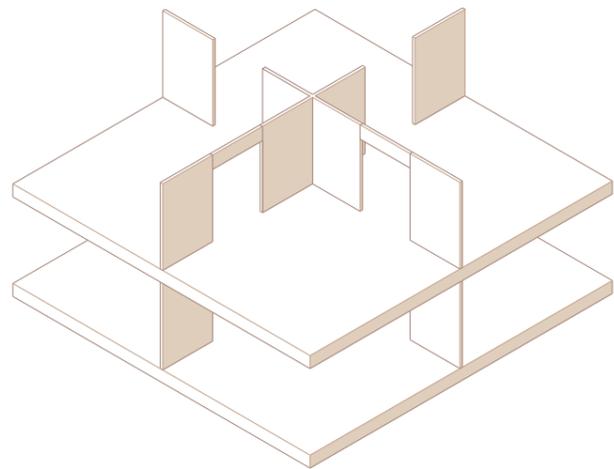


BUILDING TECHNOLOGY

DWELLING SEPARATION

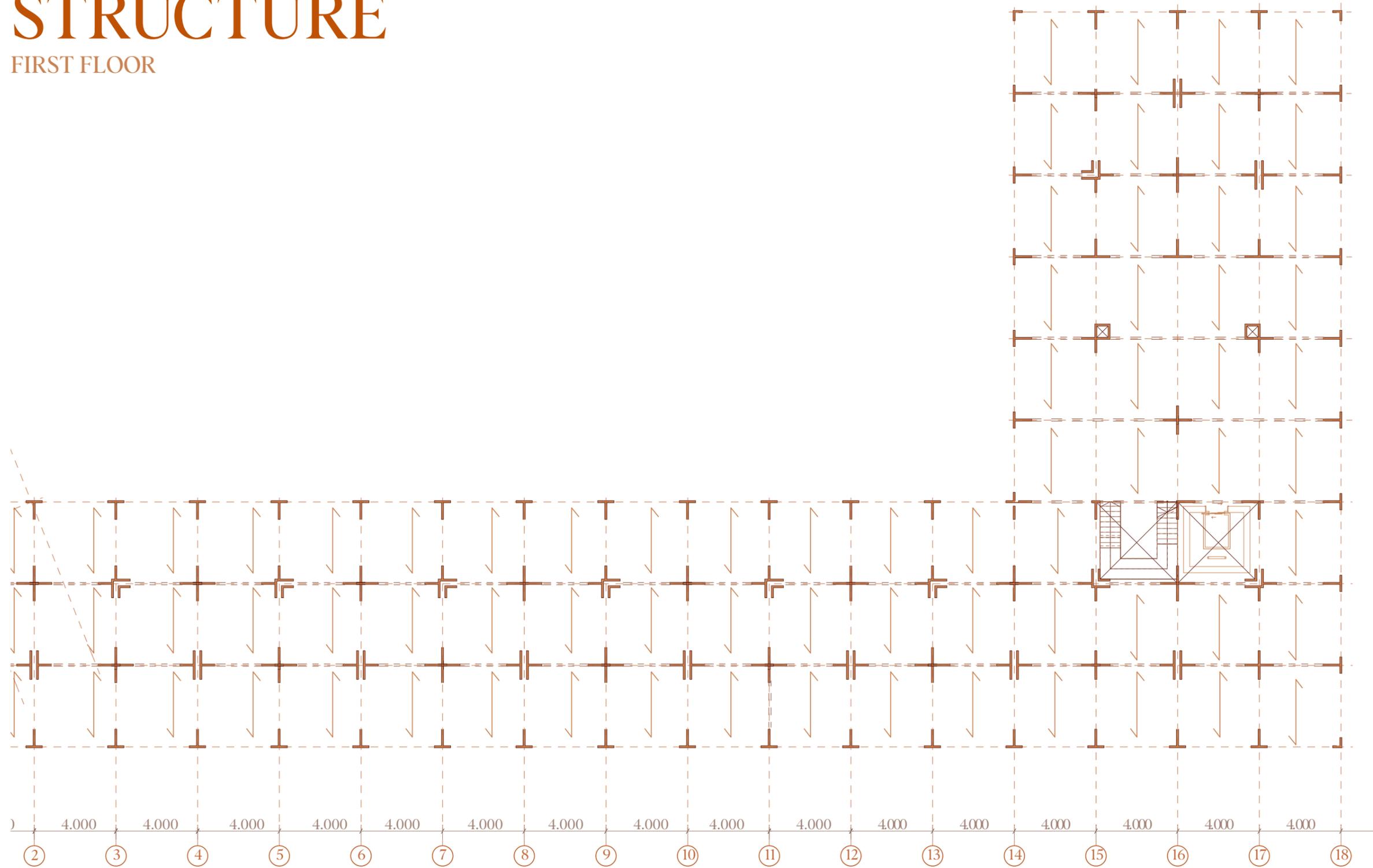
WALL BUILD UP





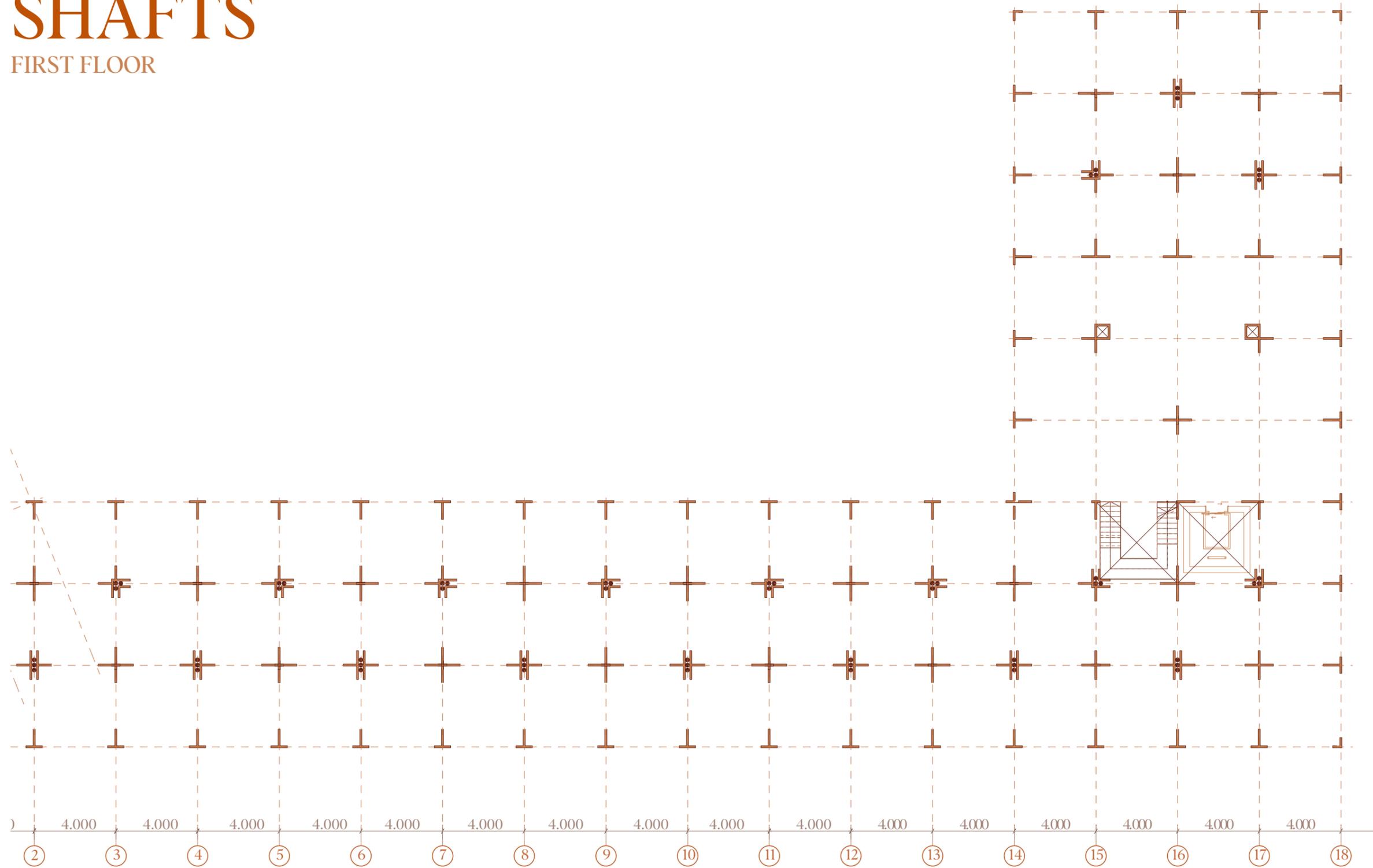
STRUCTURE

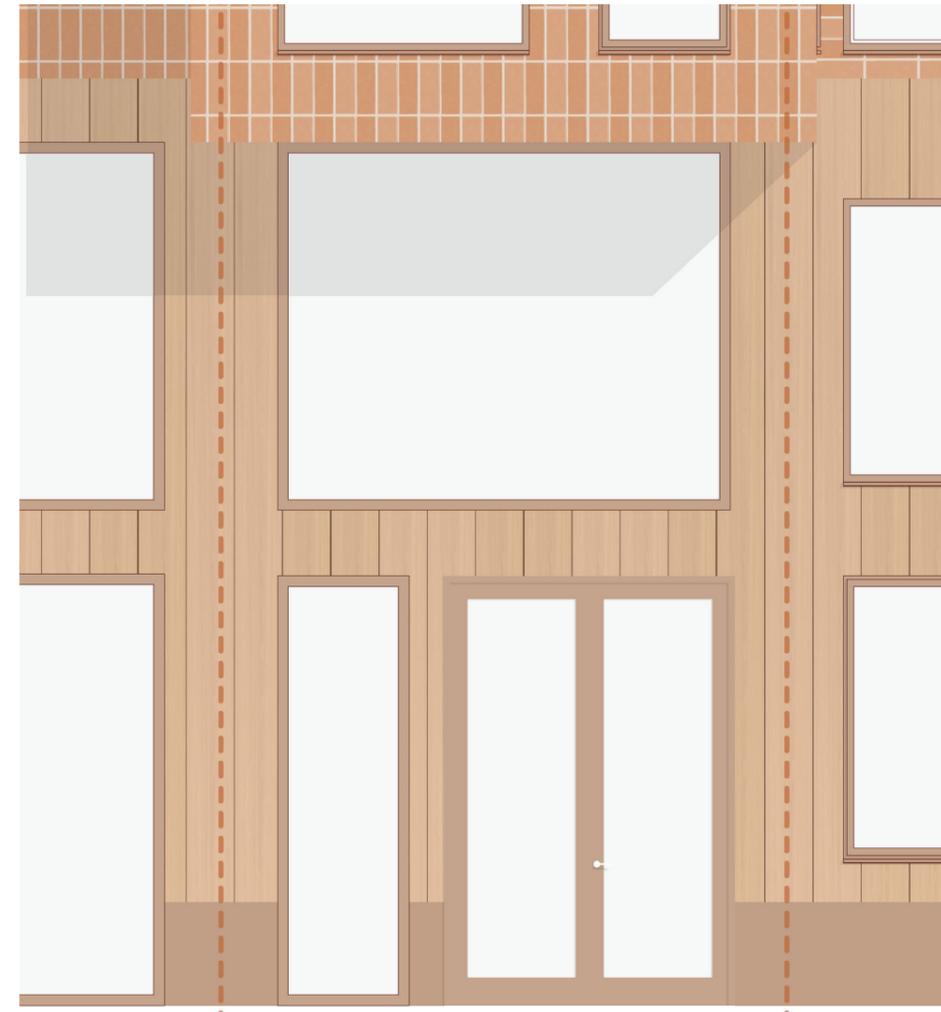
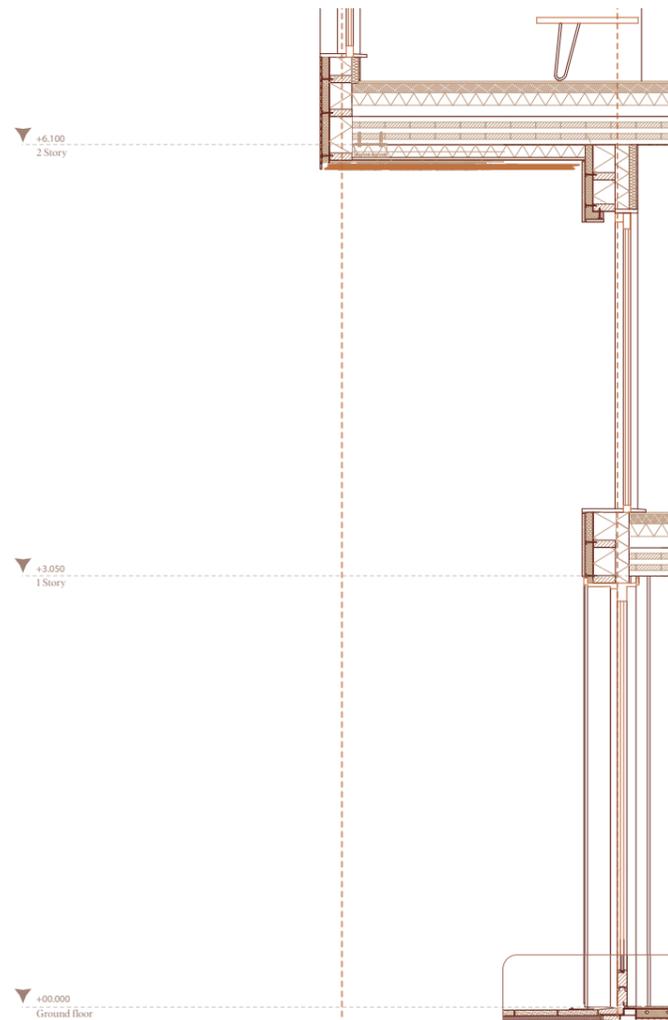
FIRST FLOOR

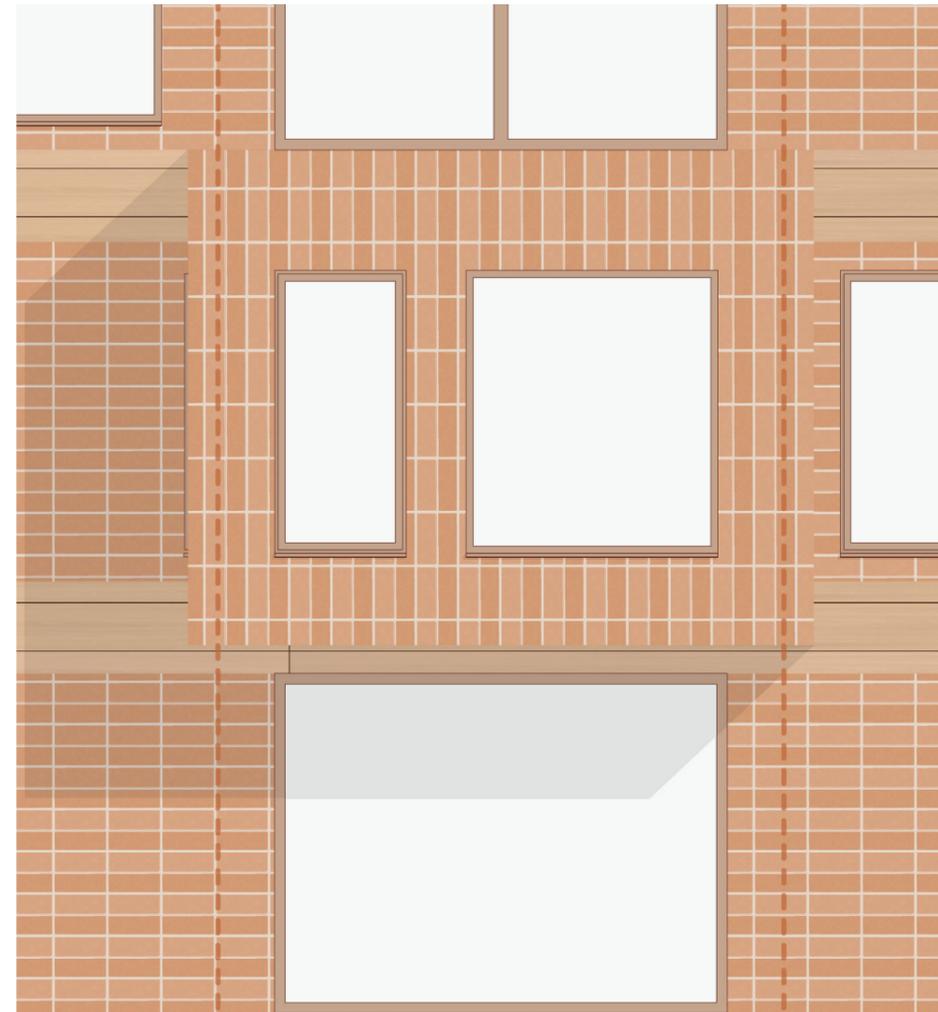
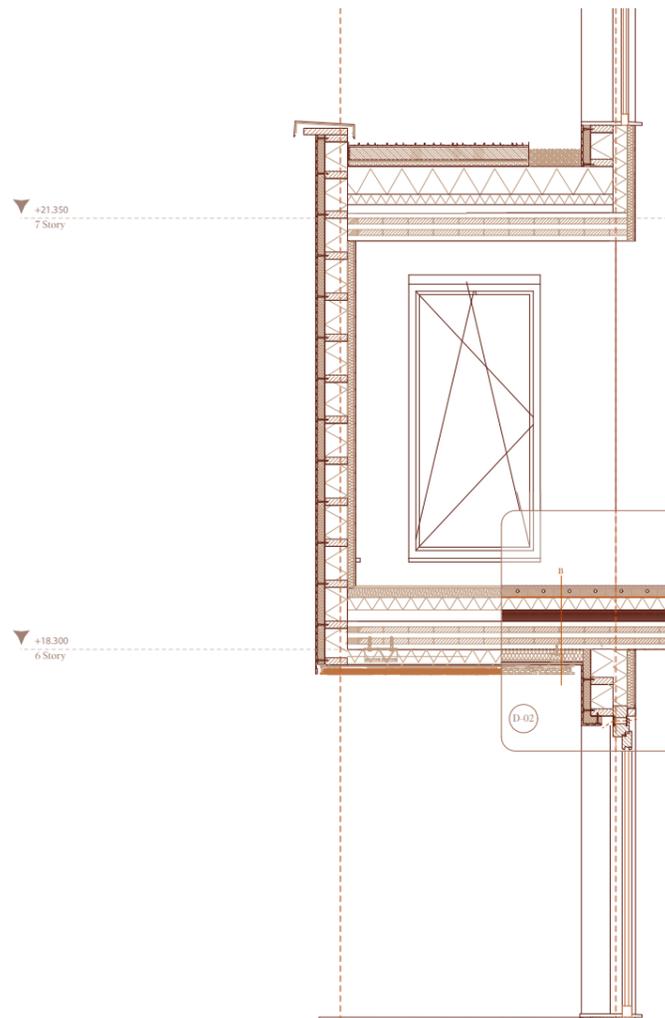


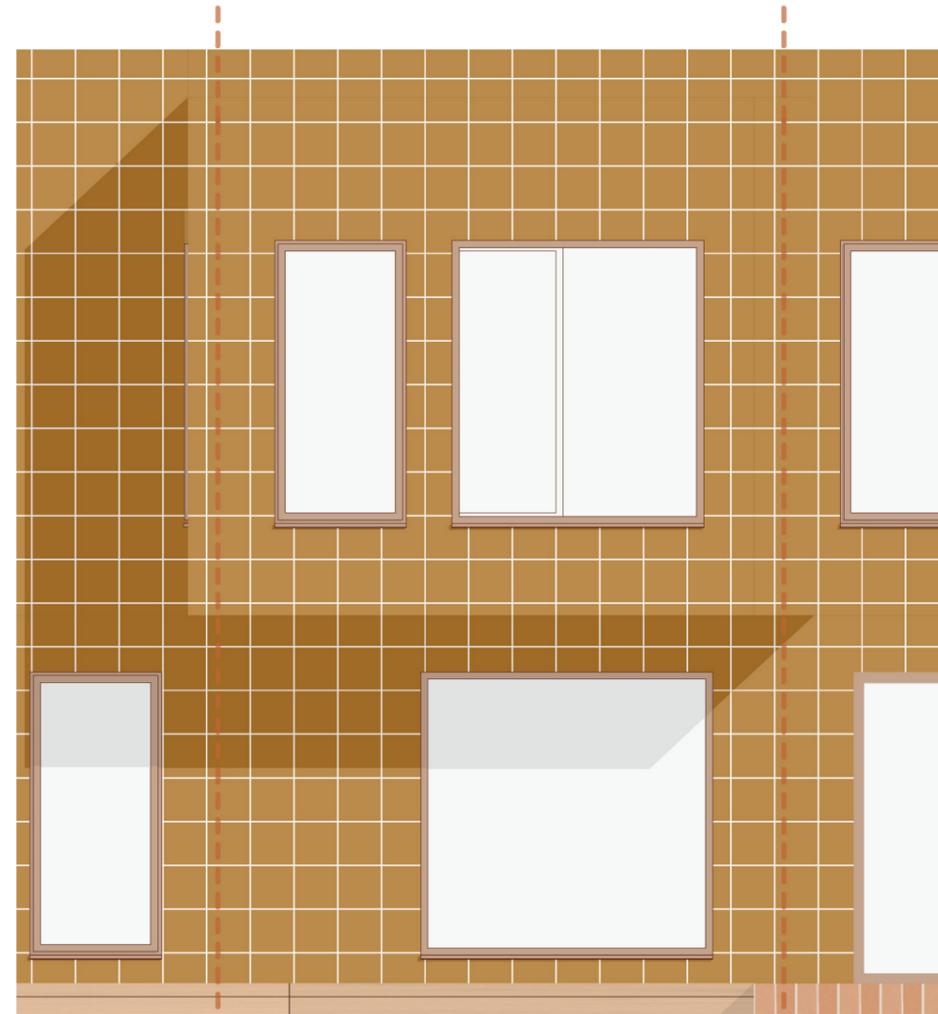
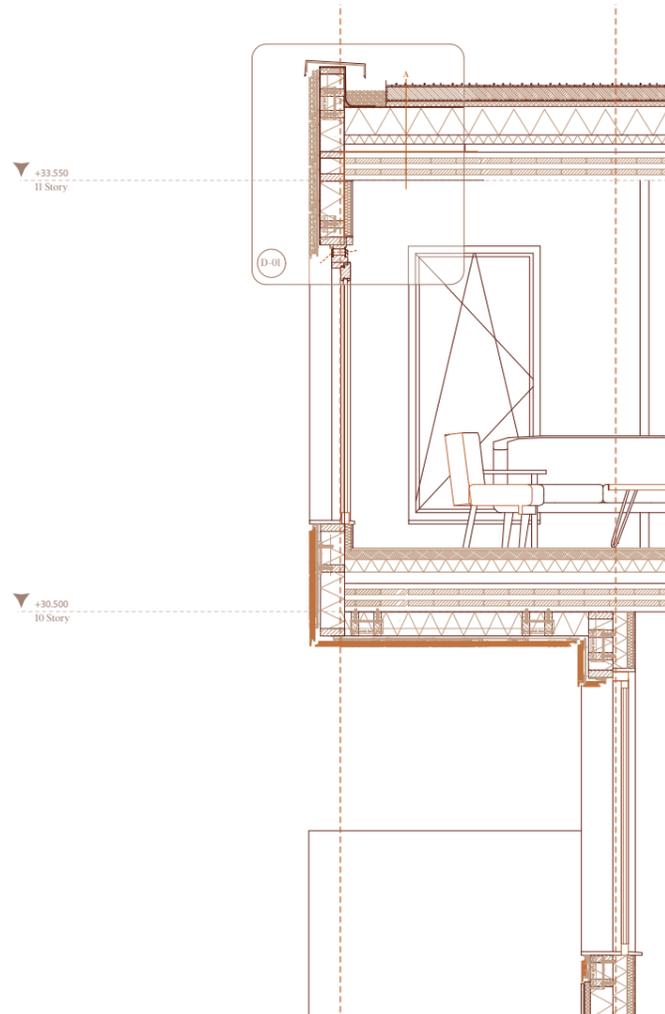
SHAFTS

FIRST FLOOR









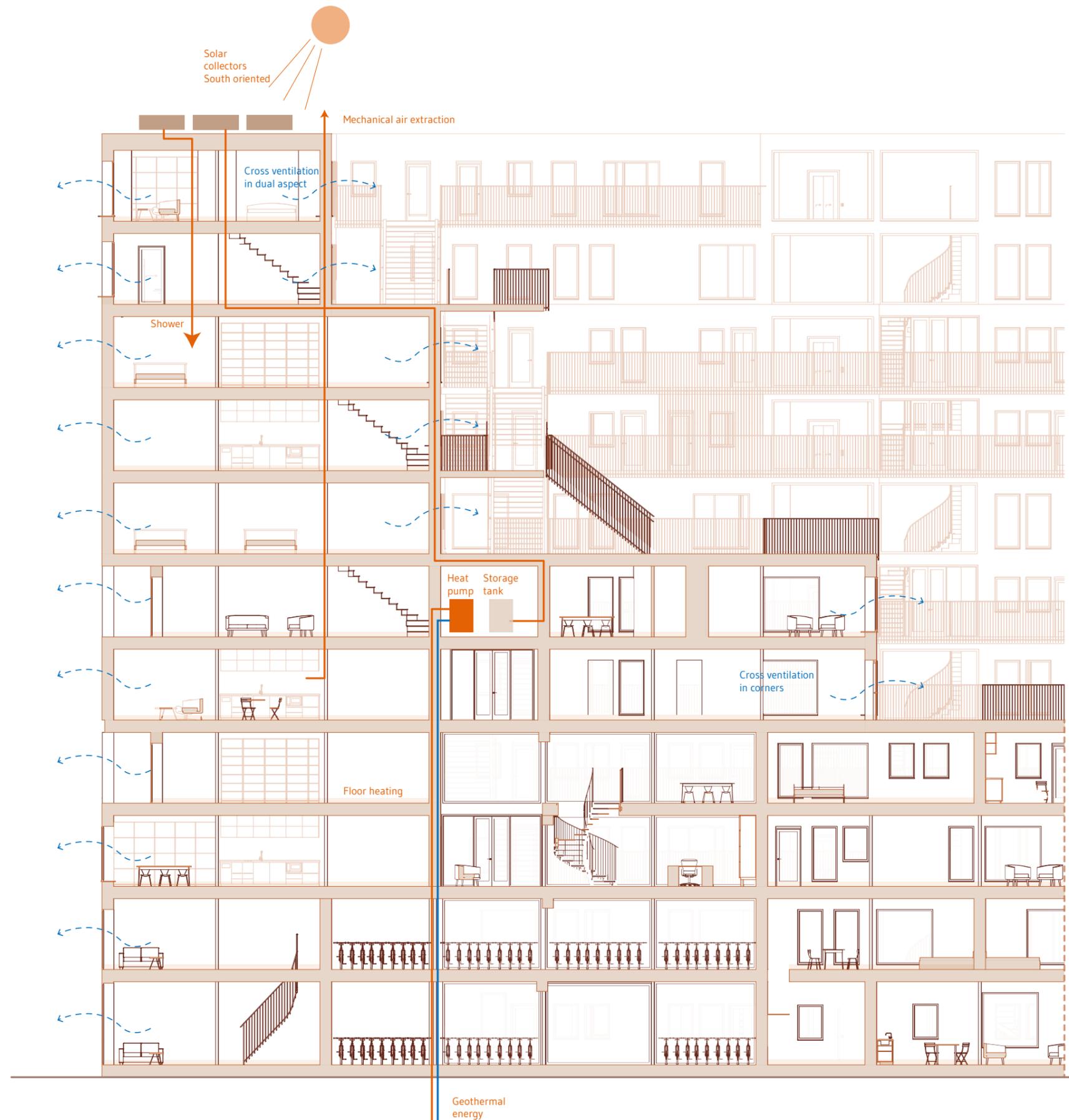
DWELLINGS

WALL STRUCTURE



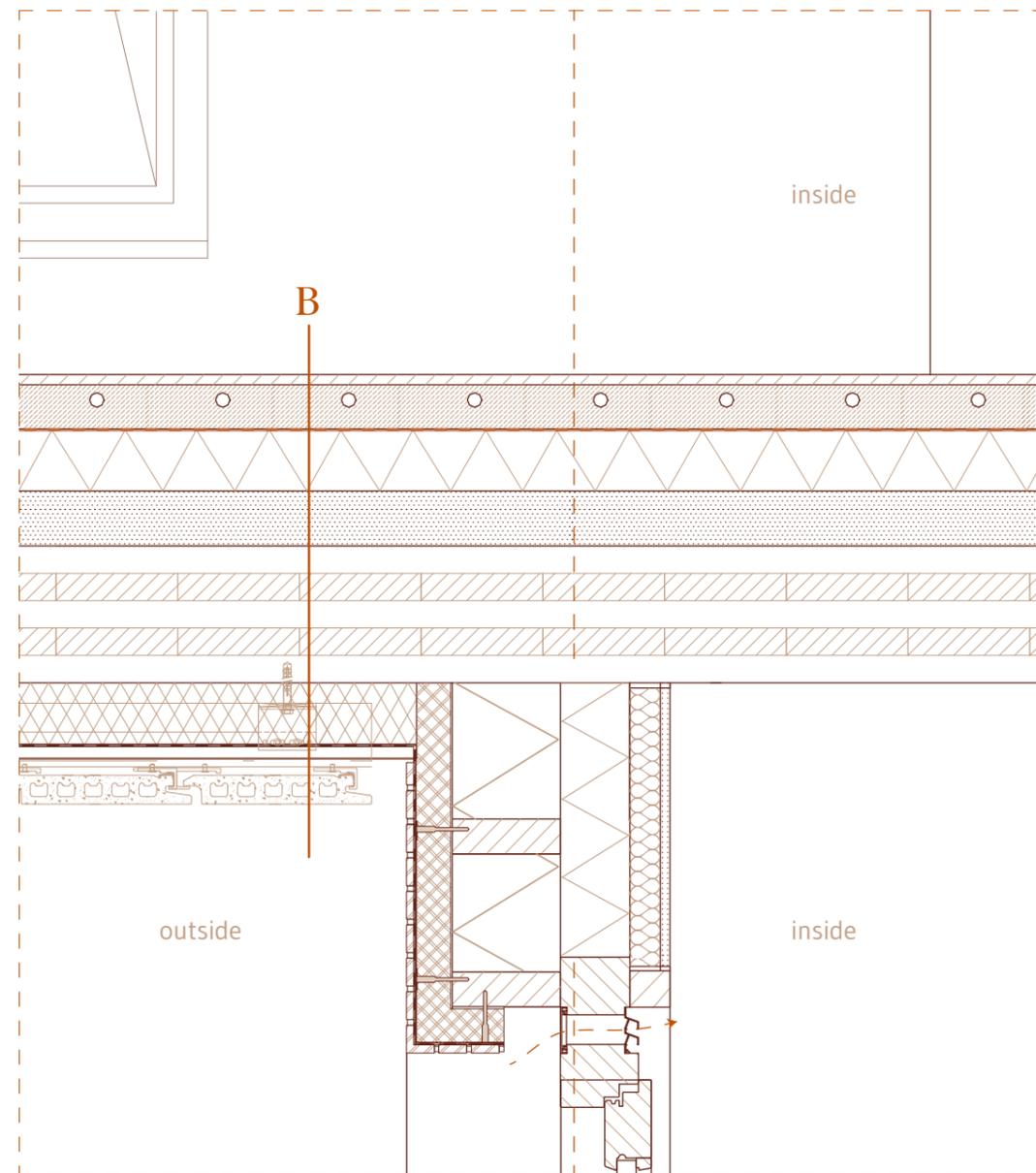
CLIMATE SECTION

DIAGRAM



BAY WINDOW

DETAIL 02



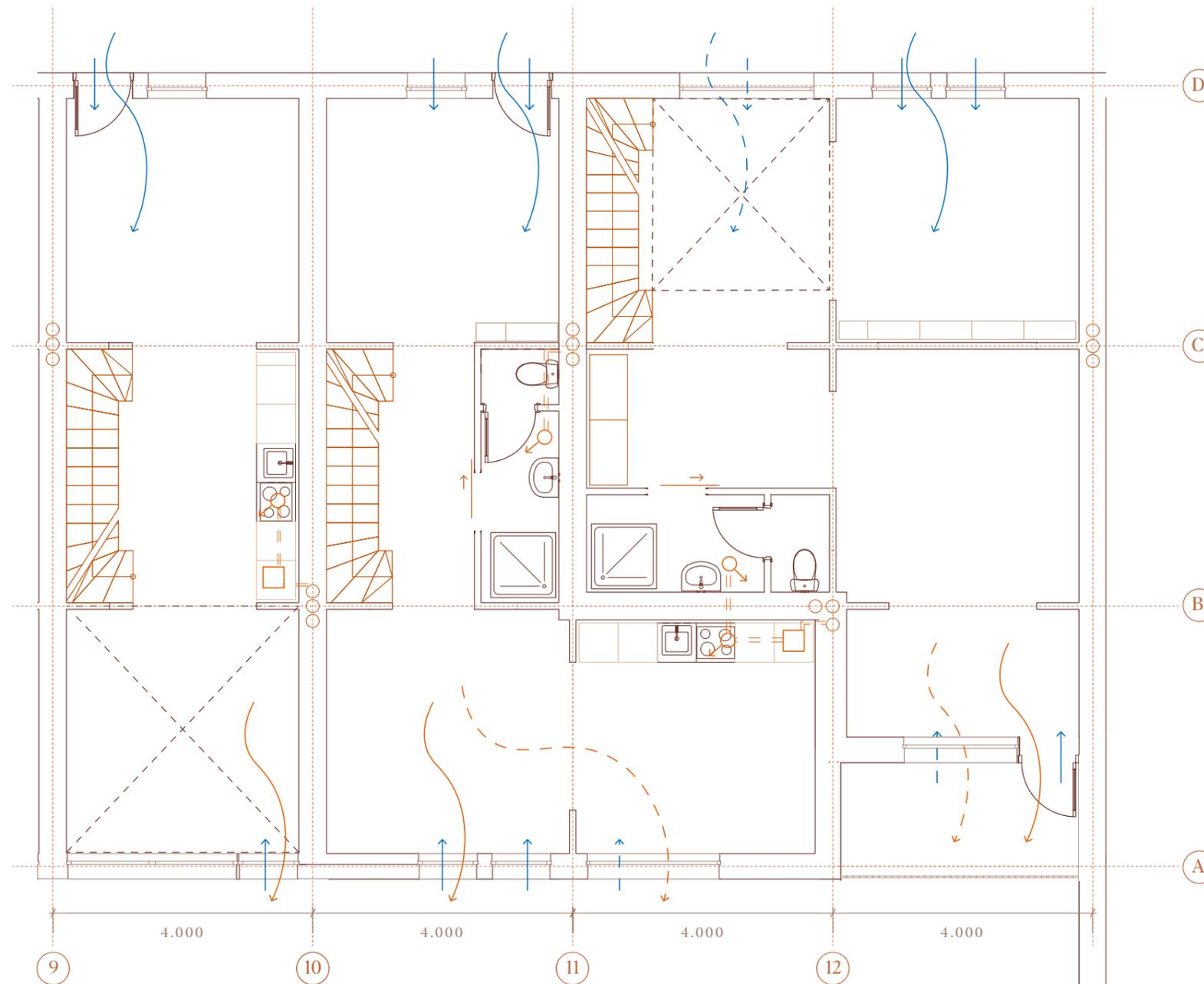
B BAY WINDOW STRUCTURE

- 15 mm Parquet flooring
- 65 mm Heating screed
- PE foil
- 90 mm Mineral wool
- 80 mm Chipping infill
- Membrane
- 200 mm CLT
- 90 mm Hard insulation
- 20 mm Water resistant fiber board
- Vapour barrier
- Ceramic tiles

VENTILATION

DIAGRAM

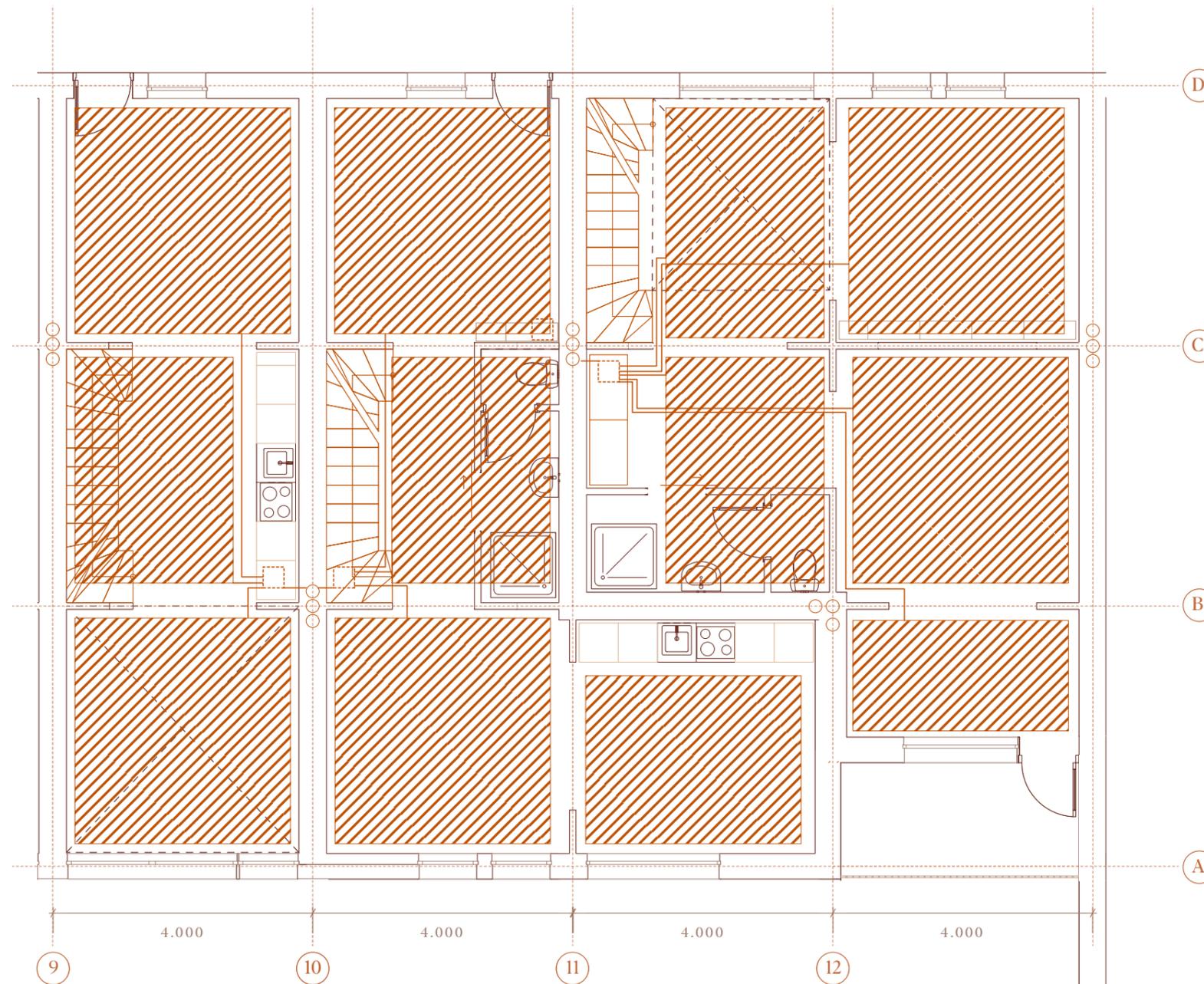
-  Natural fresh air supply through ventilation grills over windows and doors
-  Mechanical air extraction in bathroom and kitchen
-  Cross ventilation



FLOOR HEATING

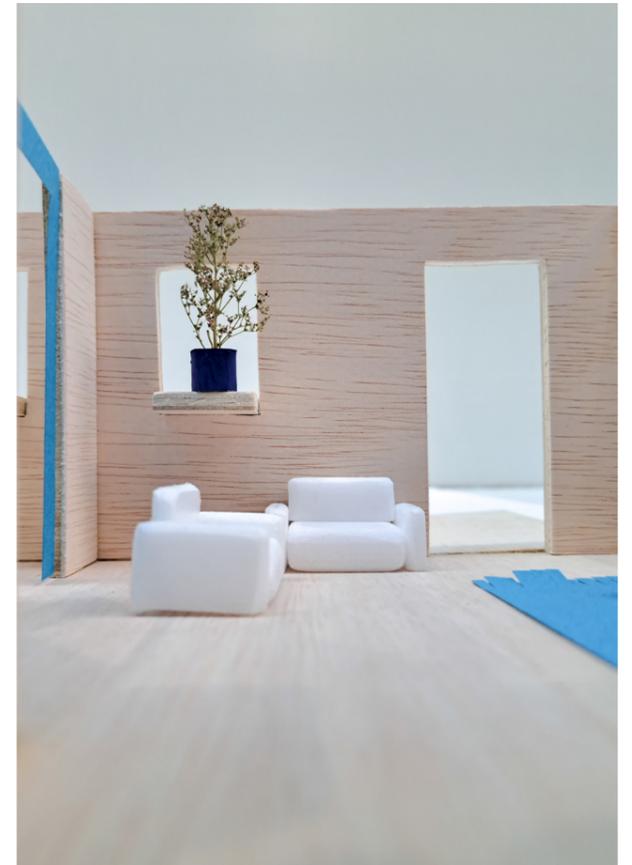
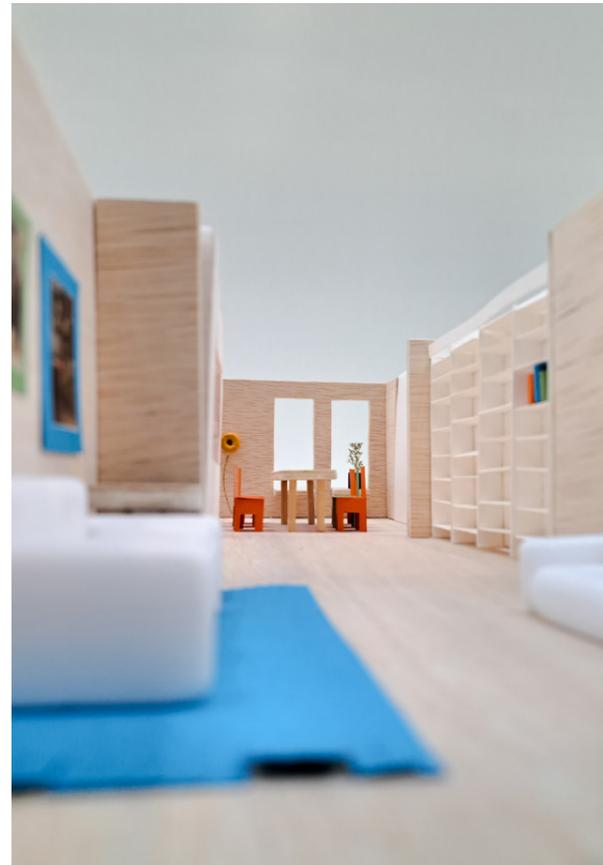
DIAGRAM

-  Wiring center and manifold connected to boiler through shaft
-  Zones for pipe circuits



IMPRESSIONS







END QUESTIONS?

