

THE GREEN HAVEN



Shenaya Rocha-Dalger, 4777735

AR3AD100 Advanced Housing Design

Architecture and Dwelling, TU Delft

CONTENT



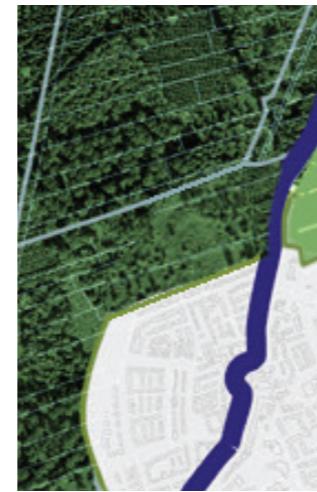
01

MIDDEN
DEFLAND



02

TARGET
GROUP



03

RESEARCH



04

AMBITIONS



05

MASTERPLAN

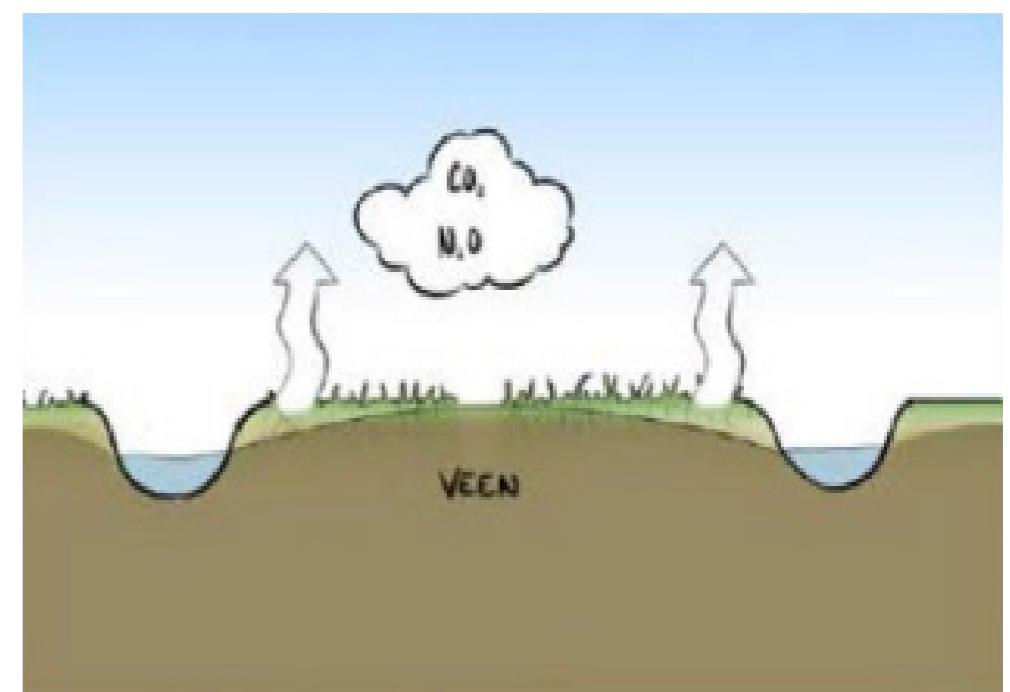
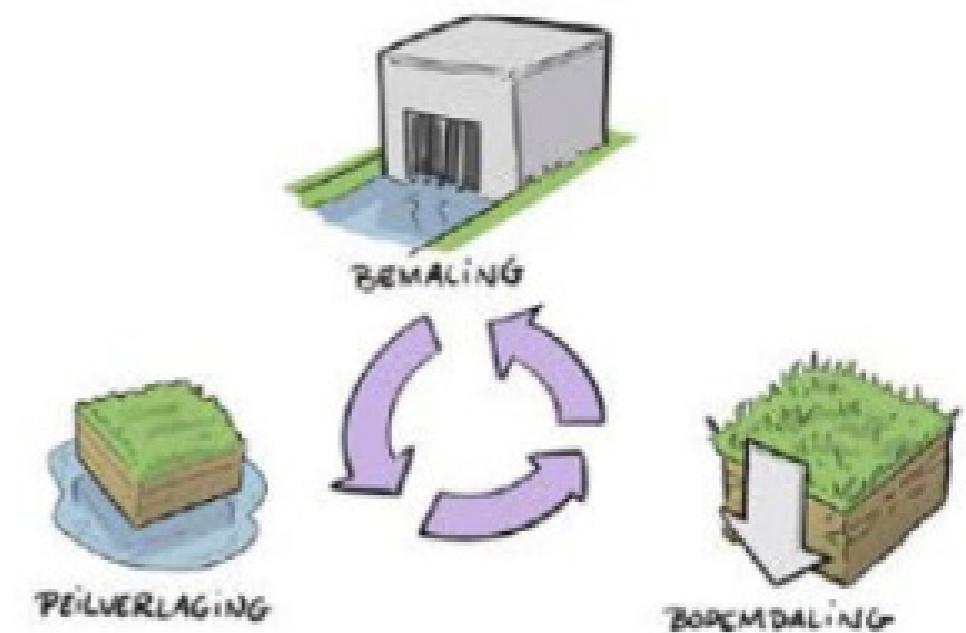
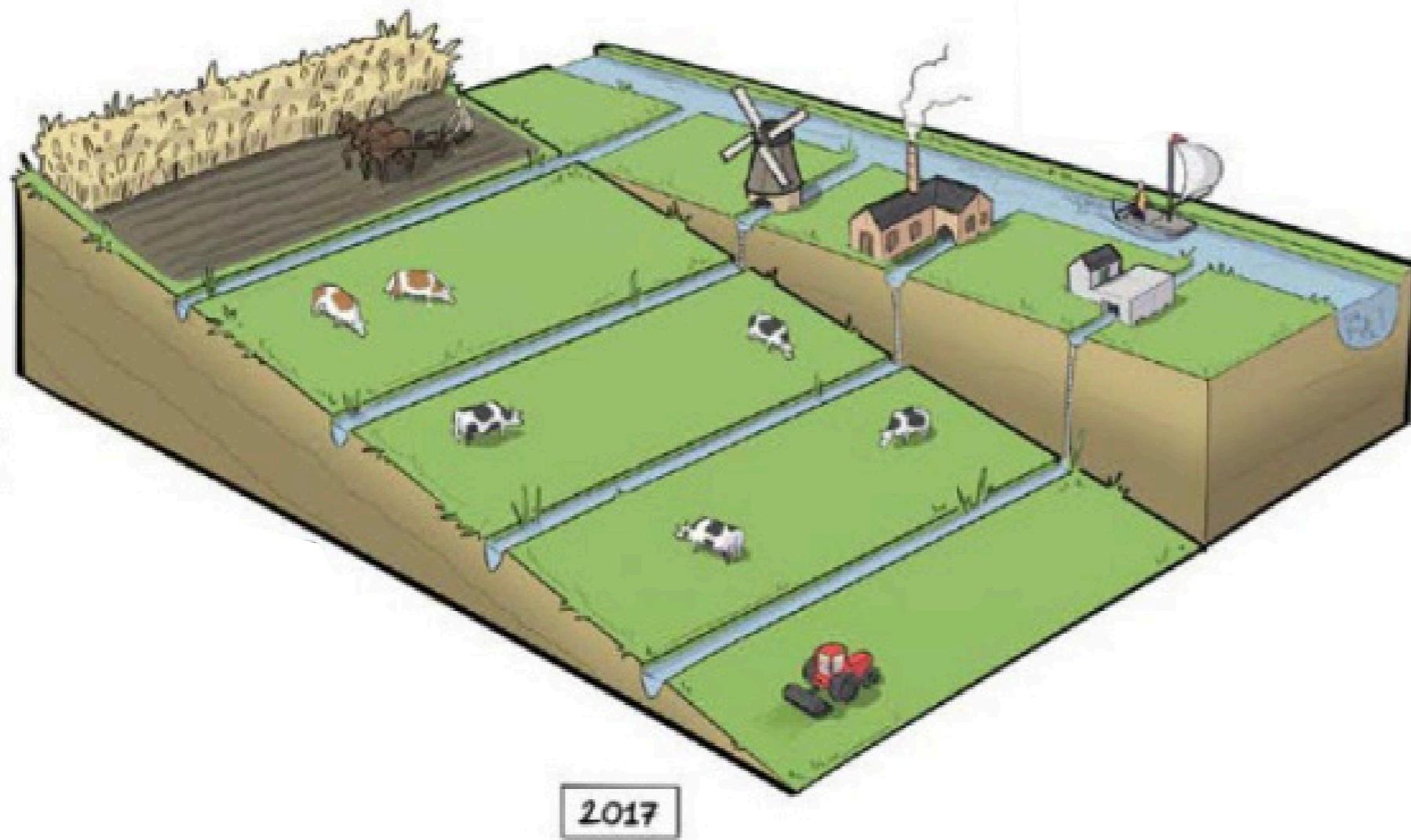


06

BUILDING
TECHNOLOGY

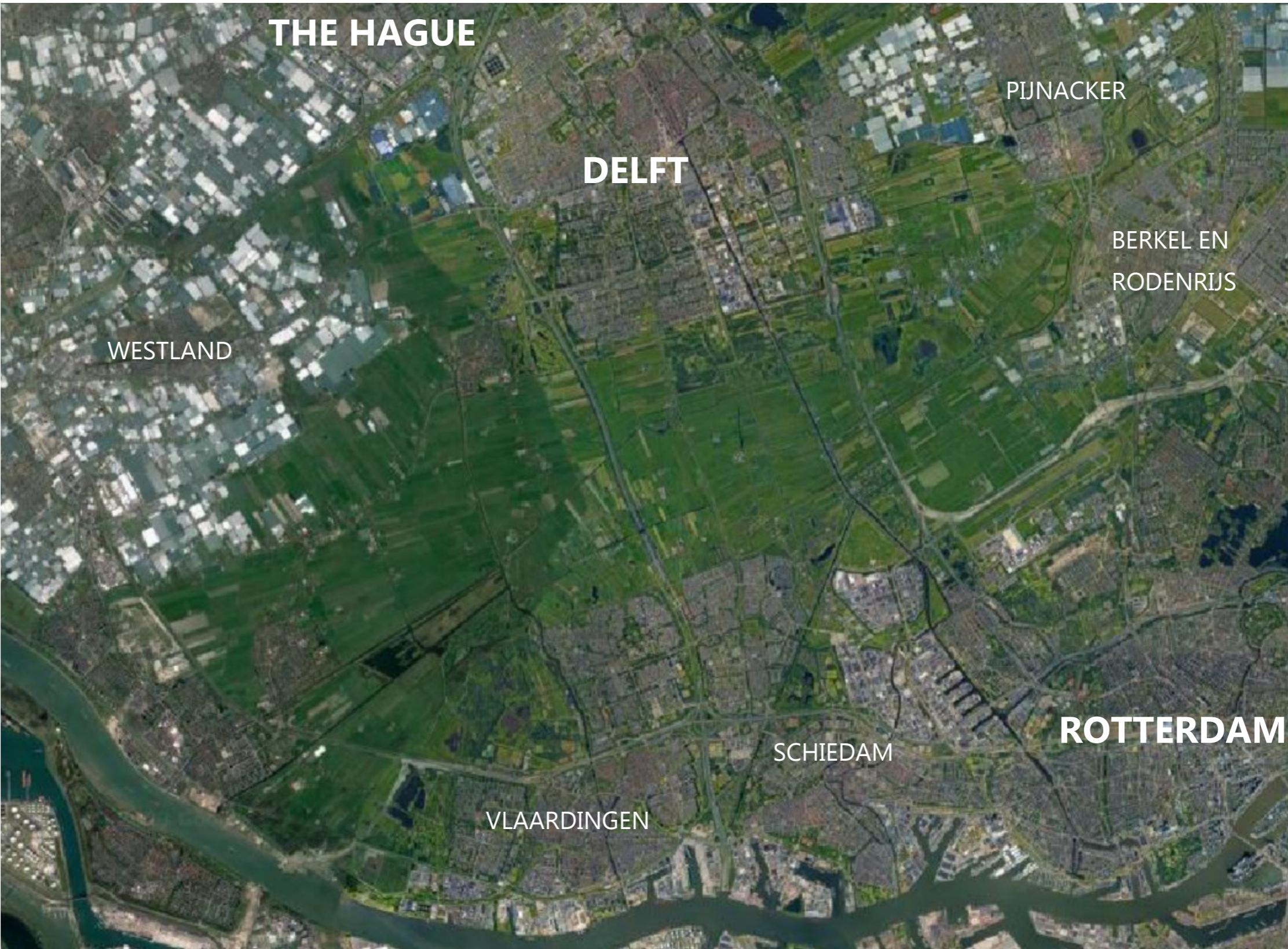
01 CLIMATE ADAPTABILITY

PEAT POLDERS



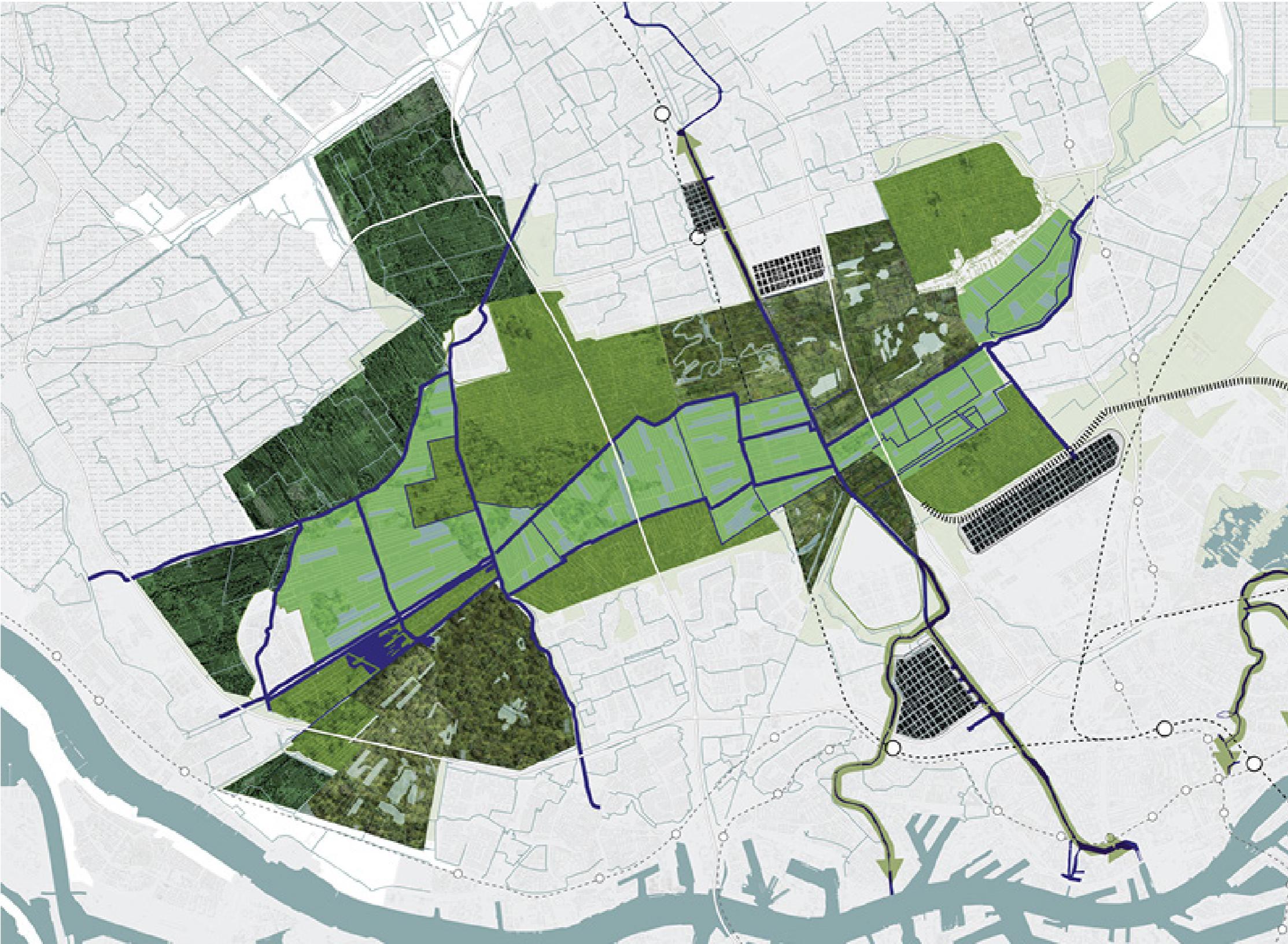
01 MIDDEN DELFLAND

SOUTH HOLLAND



01 MIDDEN DELFLAND

SOUTH HOLLAND



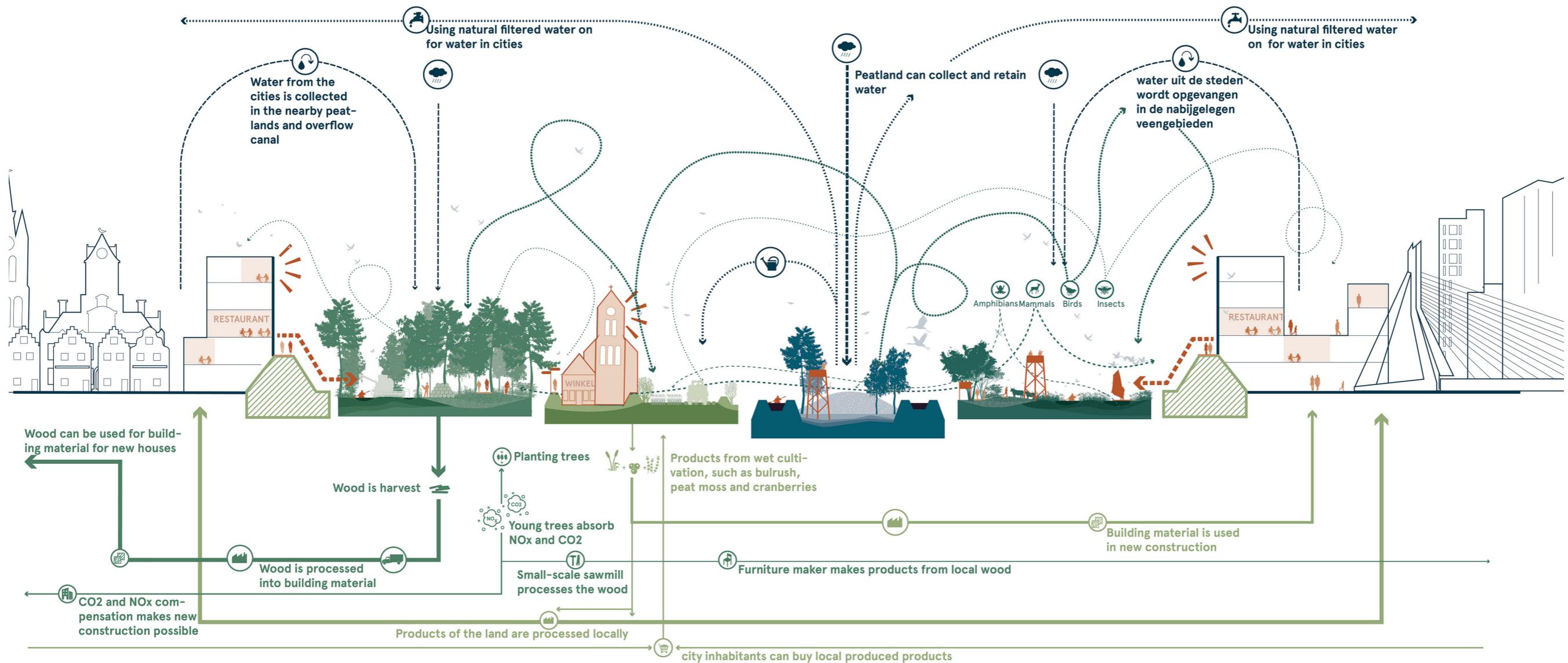
01 NATIONAL PRODUCTIVE PARK DELFLAND

MIDDEN DELFLAND

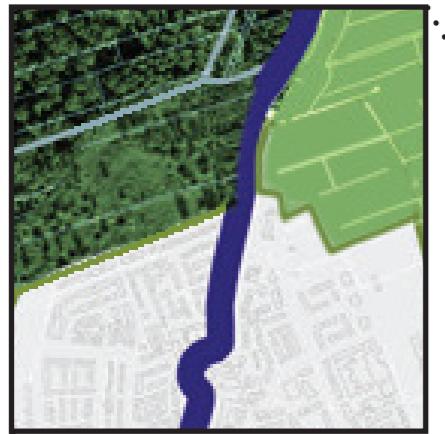


01 A GREEN LUNG FOR THE CITY

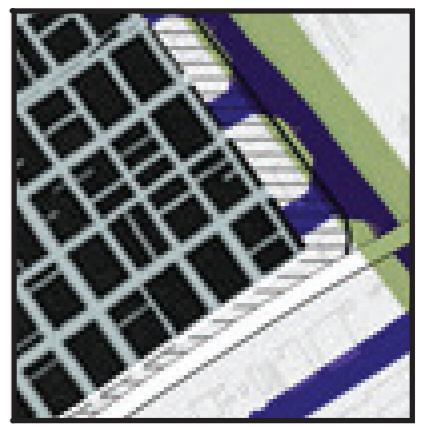
MIDDEN DELFLAND



01 CHOSEN LOCATIONS



Maasland,
production
forest and
wetland

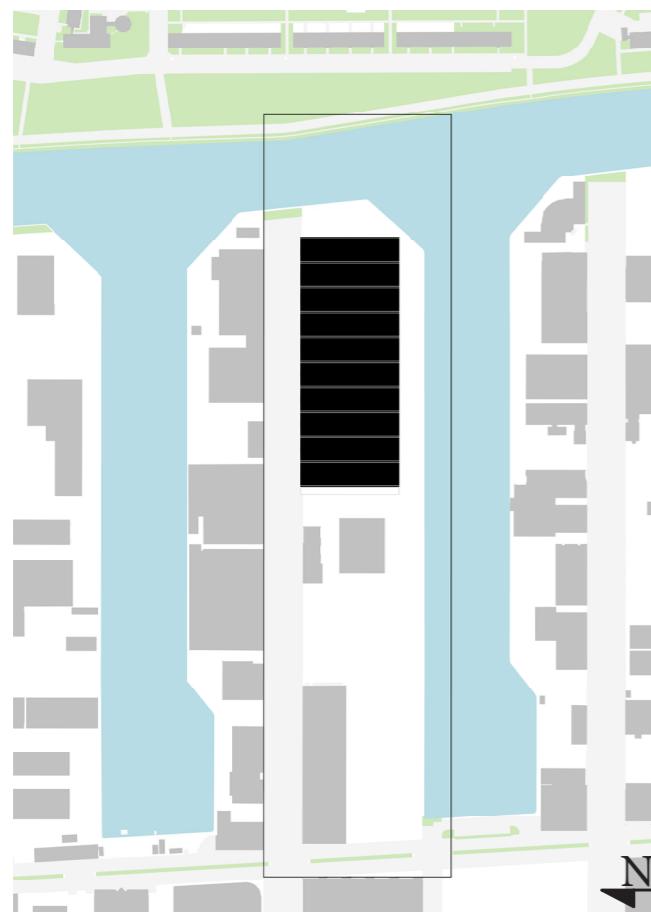


Spaanse polder
Industry



01 CHOSEN LOCATIONS

FUTURE SITUATION



SCALE 1:5000 9

01 MAASLAND

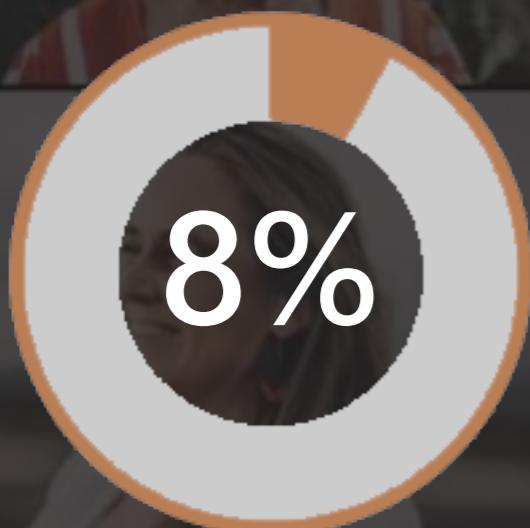
EXISTING SITUATION



SCALE 1:5000 10

02
TARGET
GROUP





Dutch citizens of 16+



13.000
annually

1
death per month

200.000
victims annually



45%
of 18 - 70 year victim



58%
families with children
from 0 - 18 year

119.000
victims of child abuse

03 RESEARCH

PROBLEM STATEMENT

THERE IS AN URGENT NEED

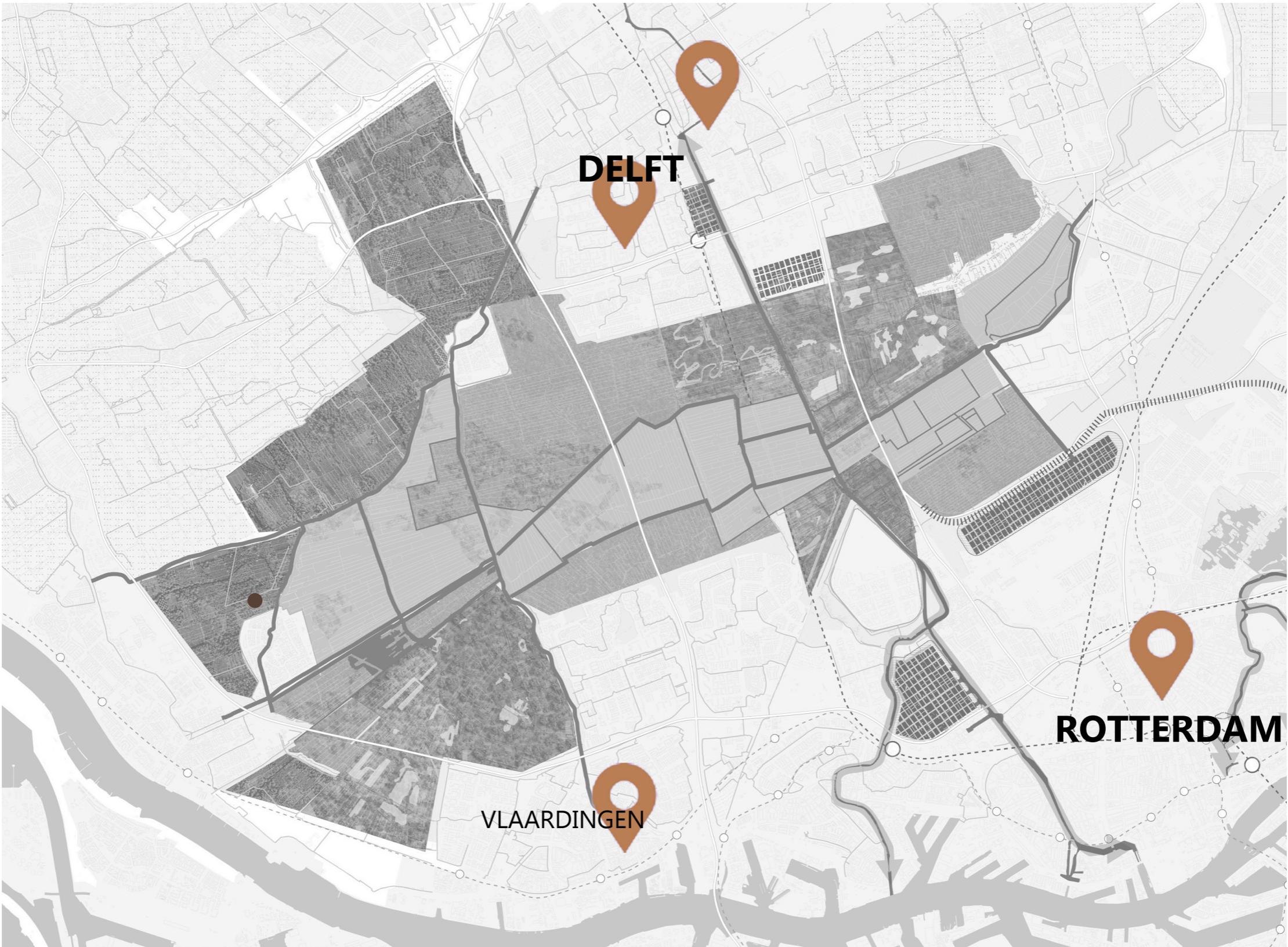
FOR **HIGH-QUALITY AND COMPREHENSIVE CARE AND HOUSING**
FOR VICTIMS OF DOMESTIC VIOLENCE IN WOMEN'S SHELTERS.

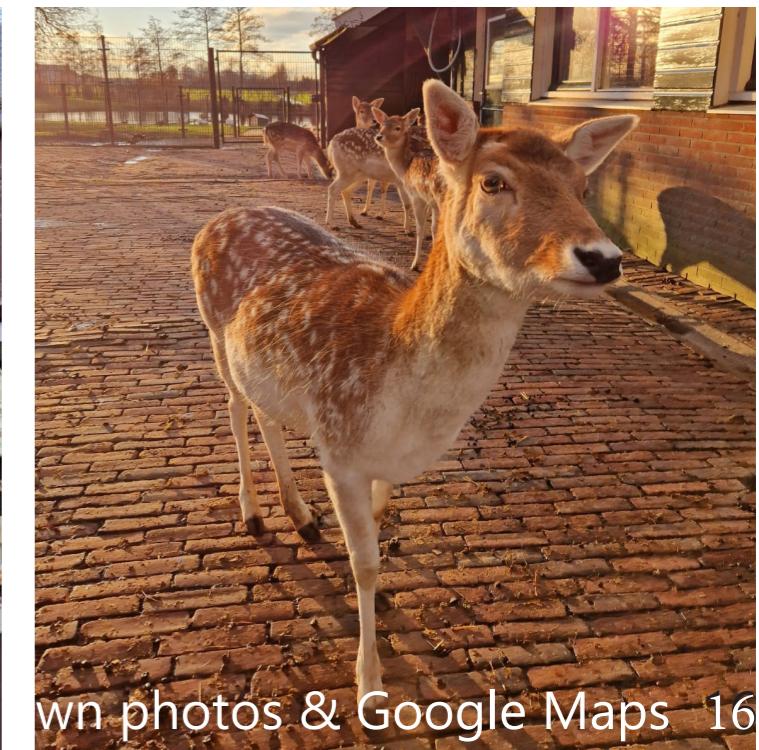
QUESTION

"HOW CAN **ARCHITECTURAL DESIGN AND NATURAL ENVIRONMENTS**
BE OPTIMIZED TO ENHANCE THE **RECOVERY AND WELL-BEING**
OF VICTIMS IN WOMEN'S SHELTERS?"

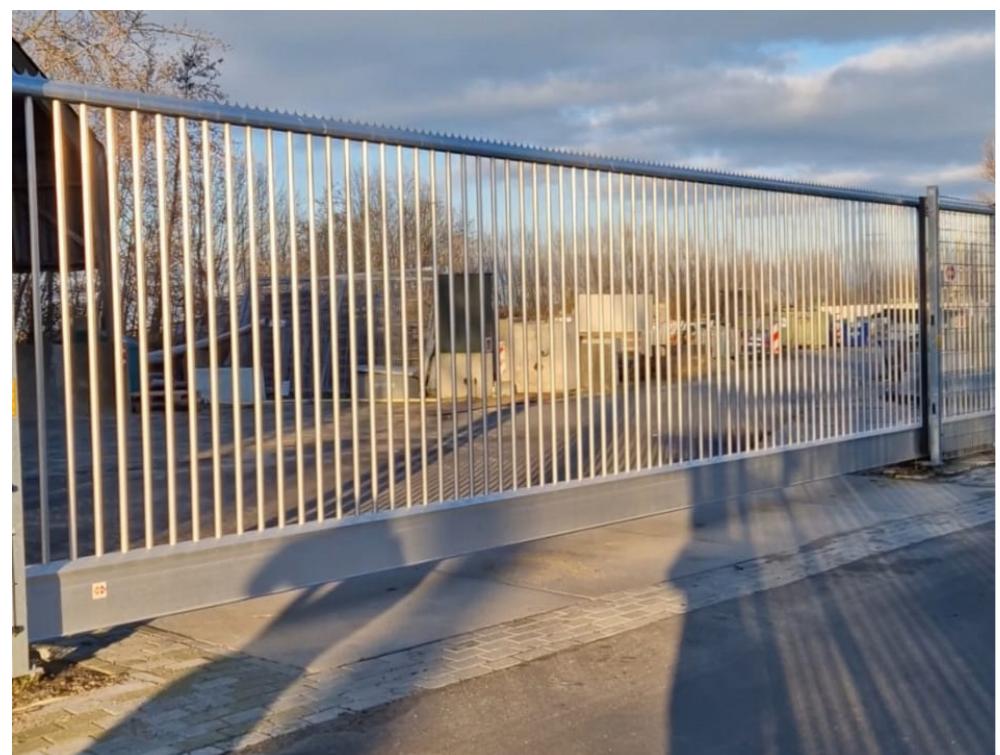
03 RESEARCH

WOMEN'S SHELTER MIDDEN-DEFLAND





Source: wn photos & Google Maps 16



Source: Own photos & Google Maps 17

03 HEALING ARCHITECTURE

THE WELL BUILDING STANDARD



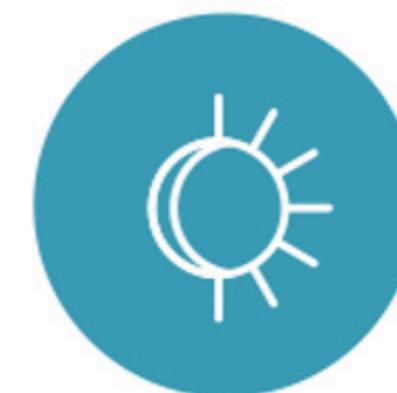
AIR
effective ventilation
comfort & well-being



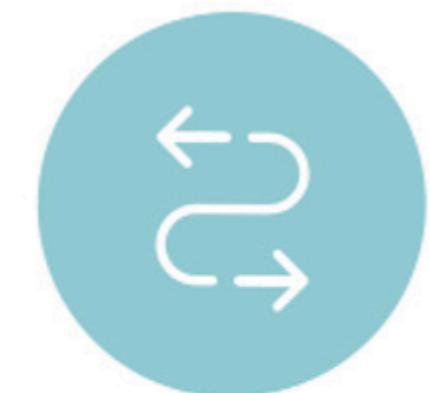
WATER



NOURISHMENT
access & views of nature
calming environment



LIGHT
natural light
reduced stress levels



MOVEMENT
easy-to-navigate
safety



**THERMAL
COMFORT**



SOUND

absorbing materials
peaceful environment



MATERIALS

calming colors
comfort & safety



MIND



COMMUNITY

private & communal
mental health support

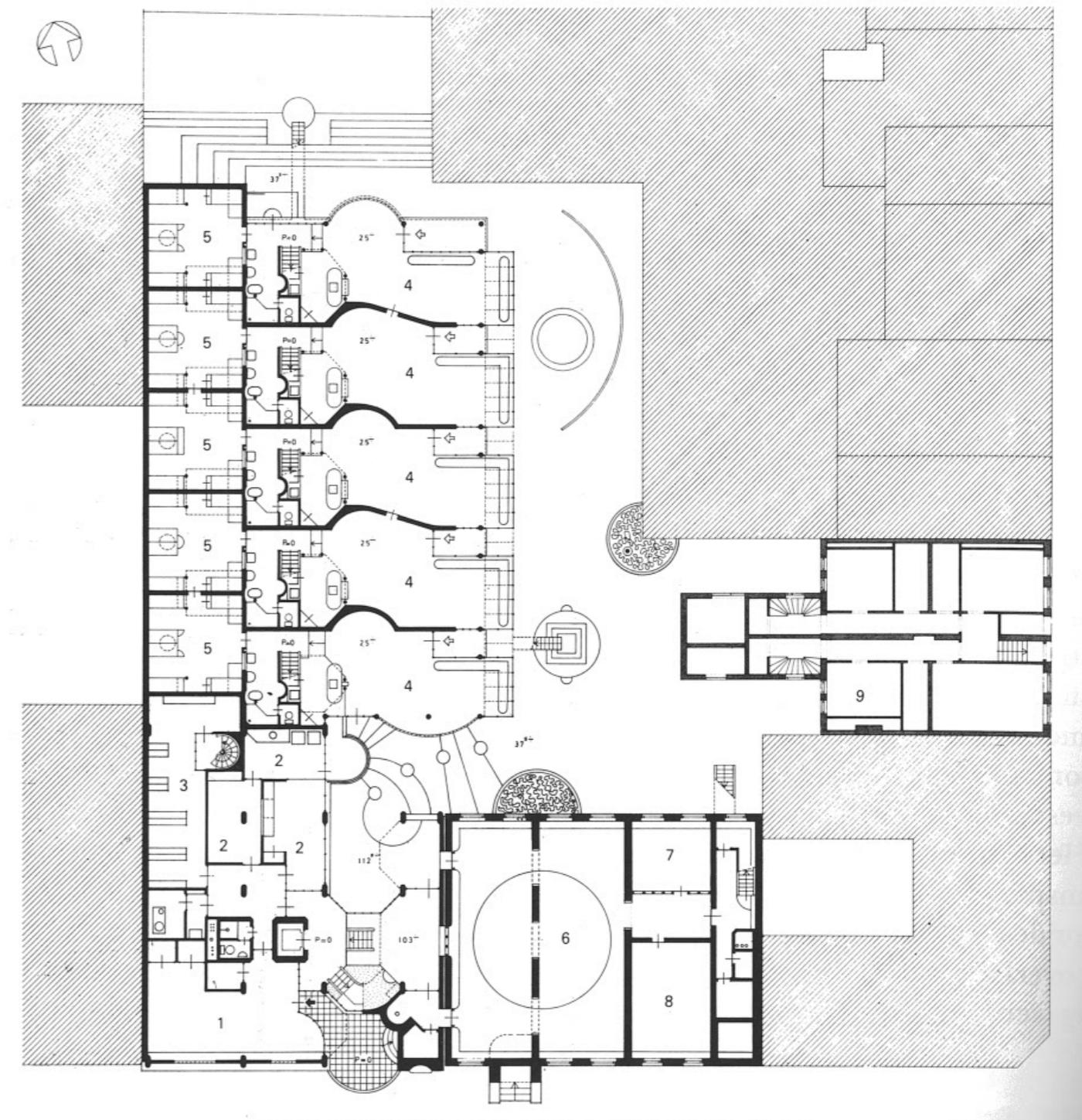
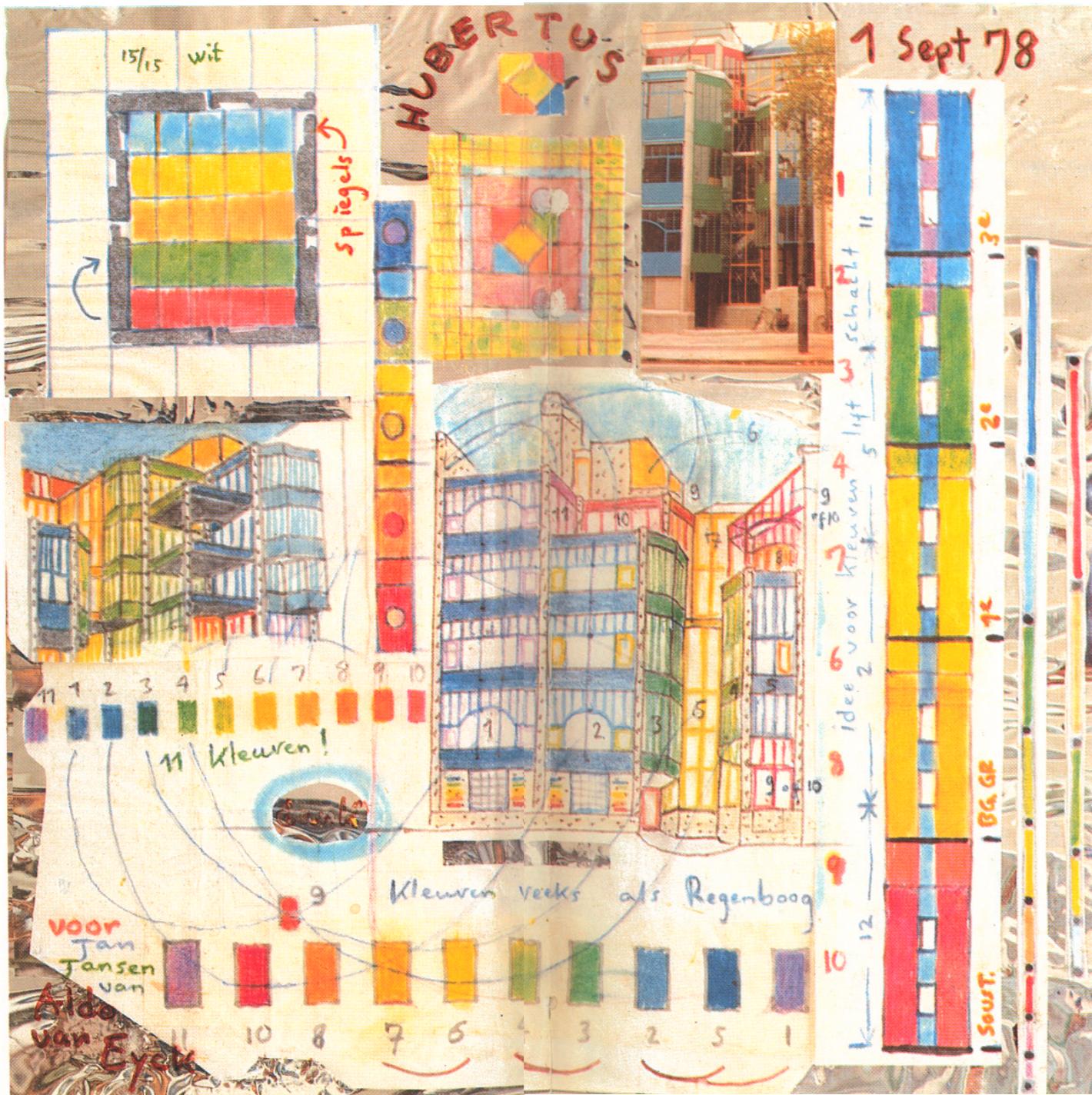
03 CASE STUDIES: HUBERTUSHUIS

ALDO VAN EYCK. 1973 - 1978



03 CASE STUDIES: HUBERTUSHUIS

ALDO VAN EYCK, 1973 - 1978



04 AMBITIONS

NEEDS AND WISHES



HOUSING & CARE

individual, collective
& public space
comfort



PRIVACY & SAFETY

objective & subjective
safety

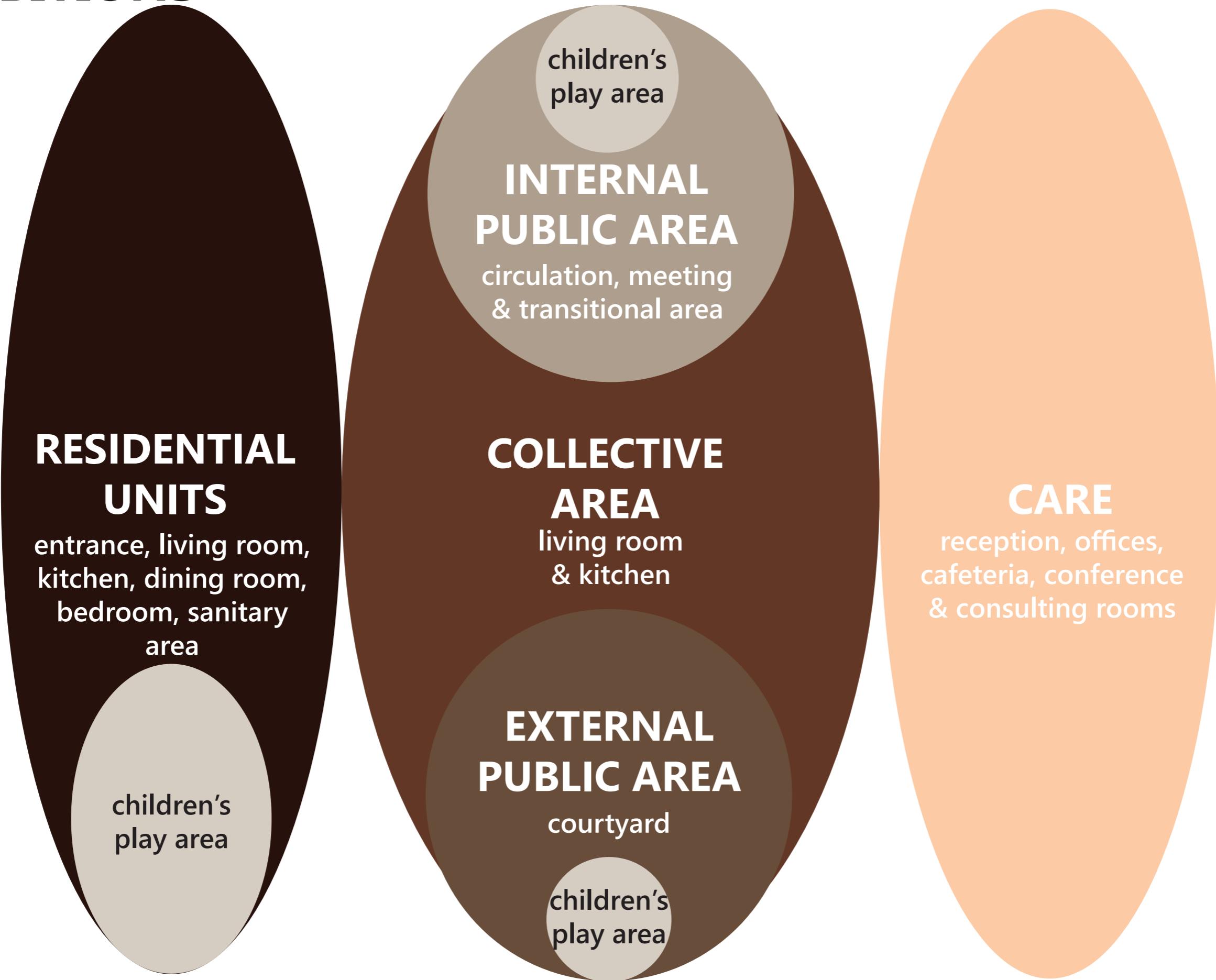


OUTDOOR SPACE & CITY

daily amenities,
general practice, school,
childcare & police

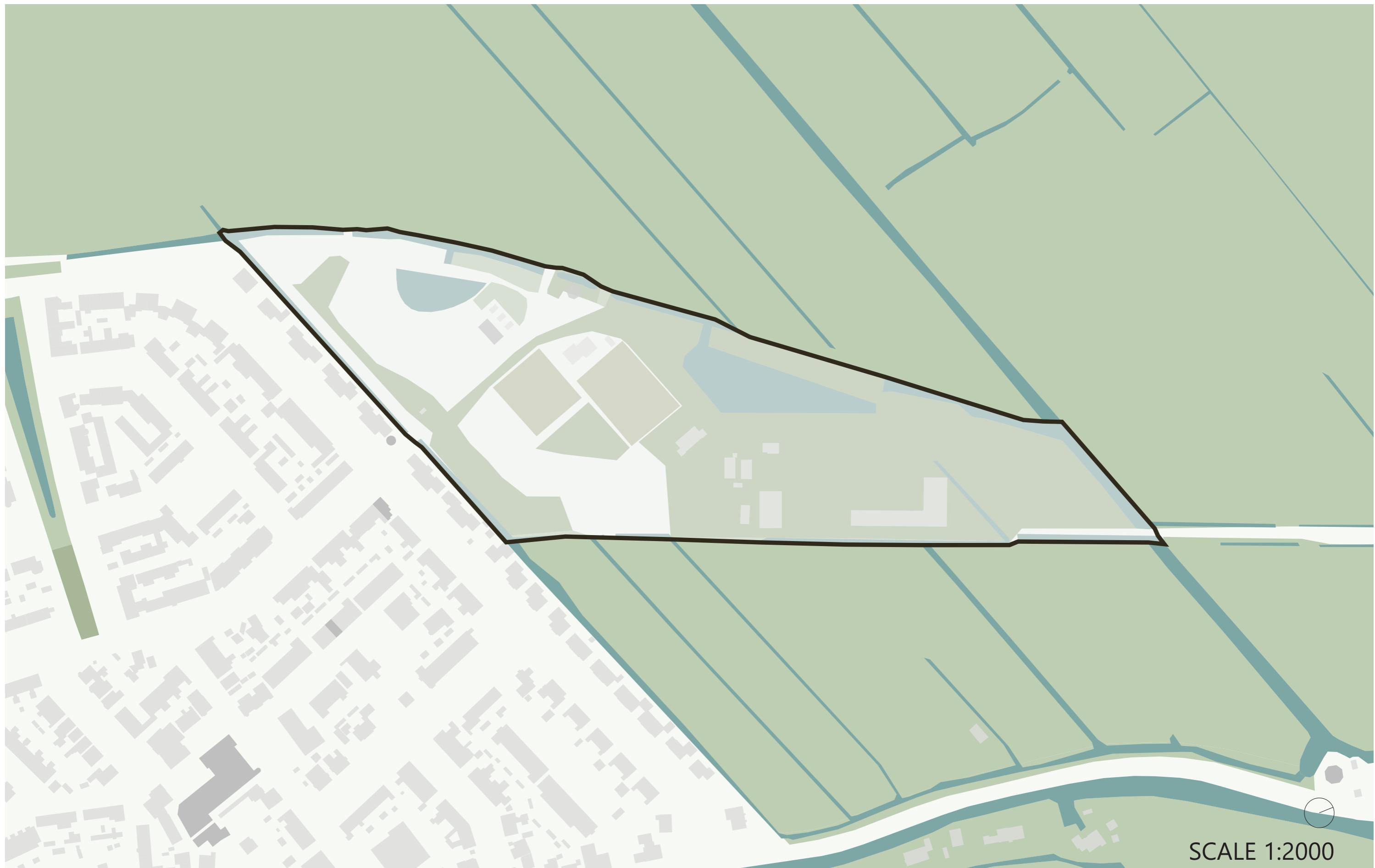
04 AMBITIONS

PROGRAM



04 CURRENT SITUATION

THE INSULAR PART OF MAASLAND



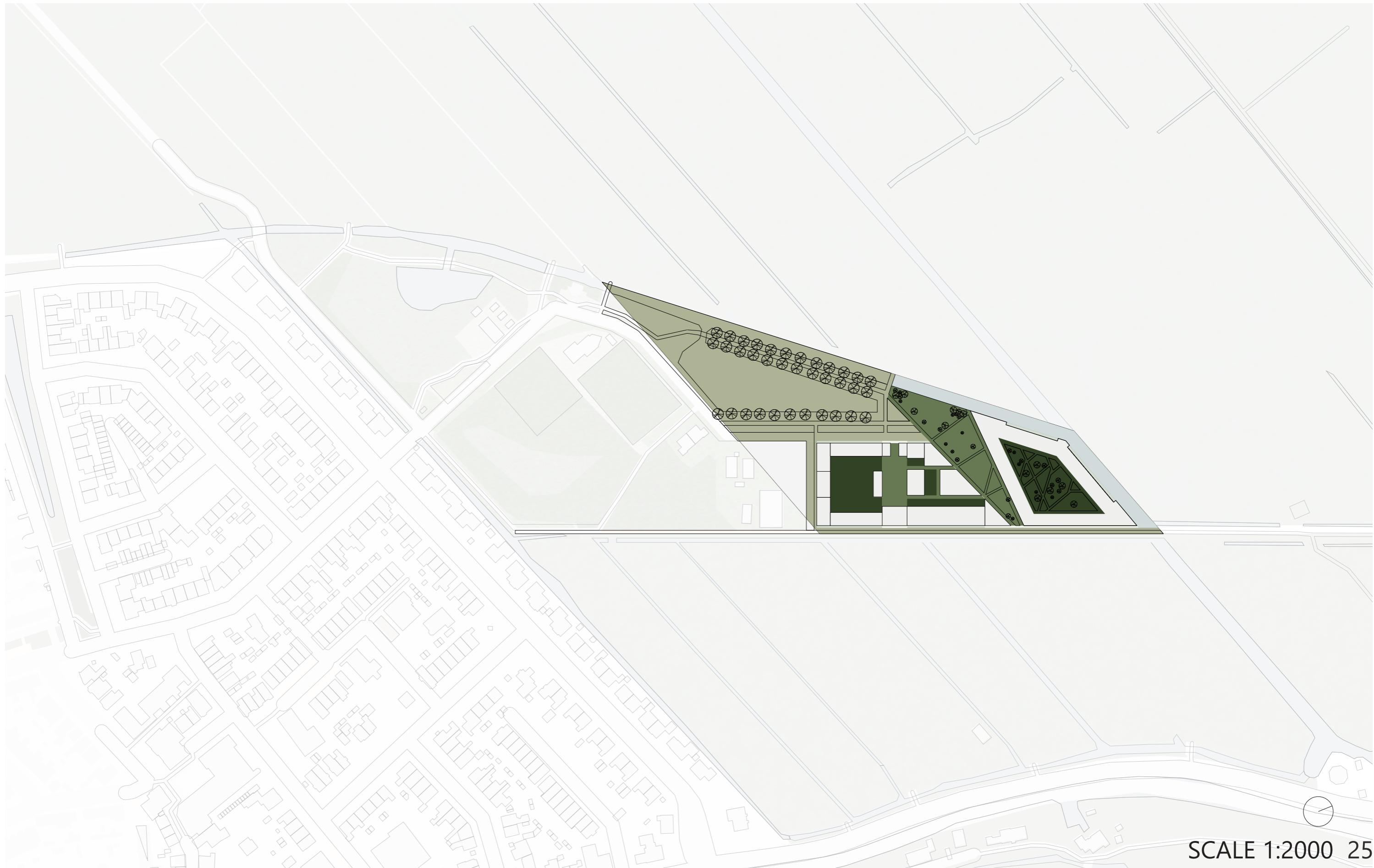
05 MASTERPLAN

EMBEDDED IN ENVIRONMENT



05 GREEN ENVIRONMENT

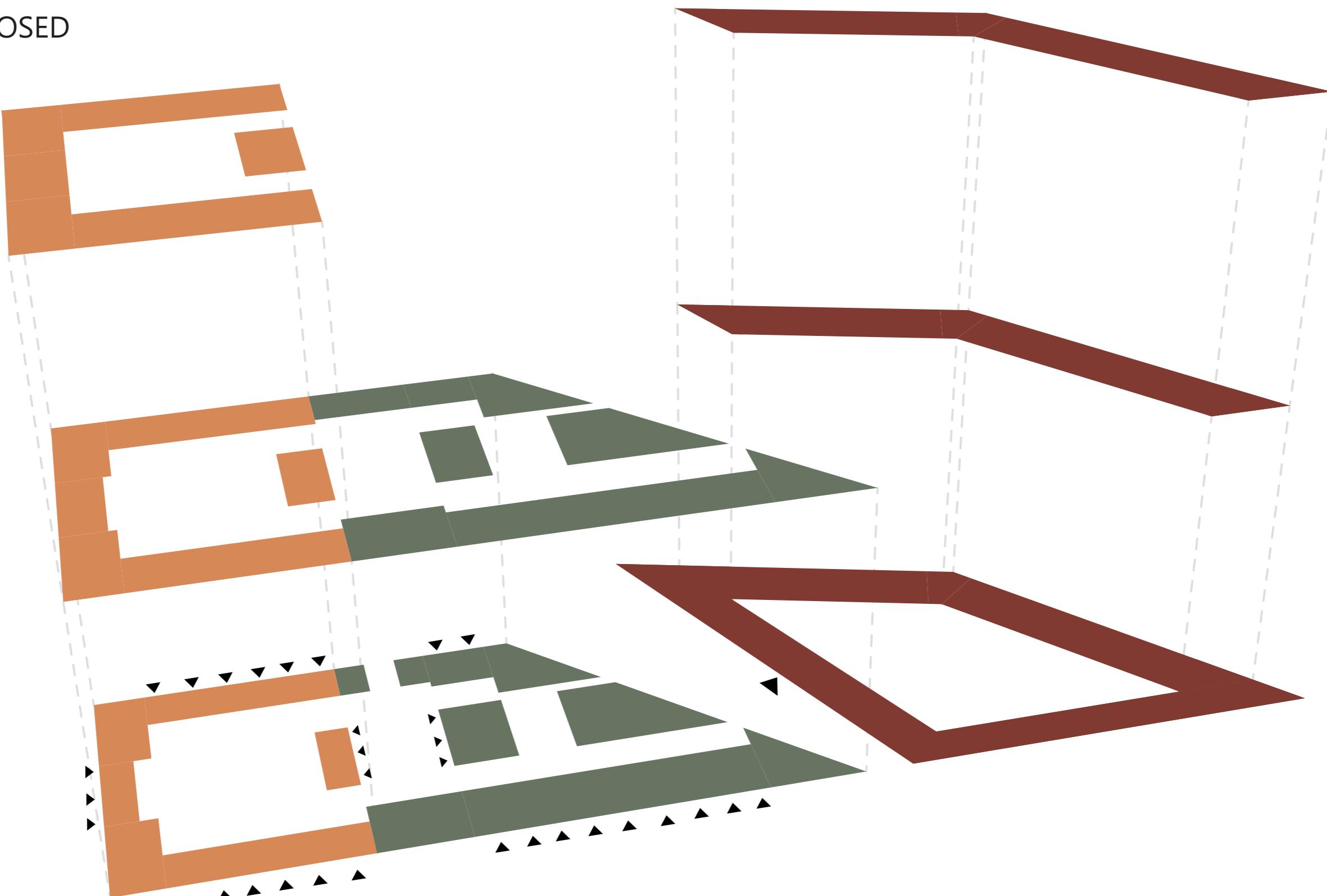
PUBLIC, COLLECTIVE AND PRIVATE ZONES



SCALE 1:2000 25

05 BLOCK TYPOLOGIES

OPEN TO CLOSED



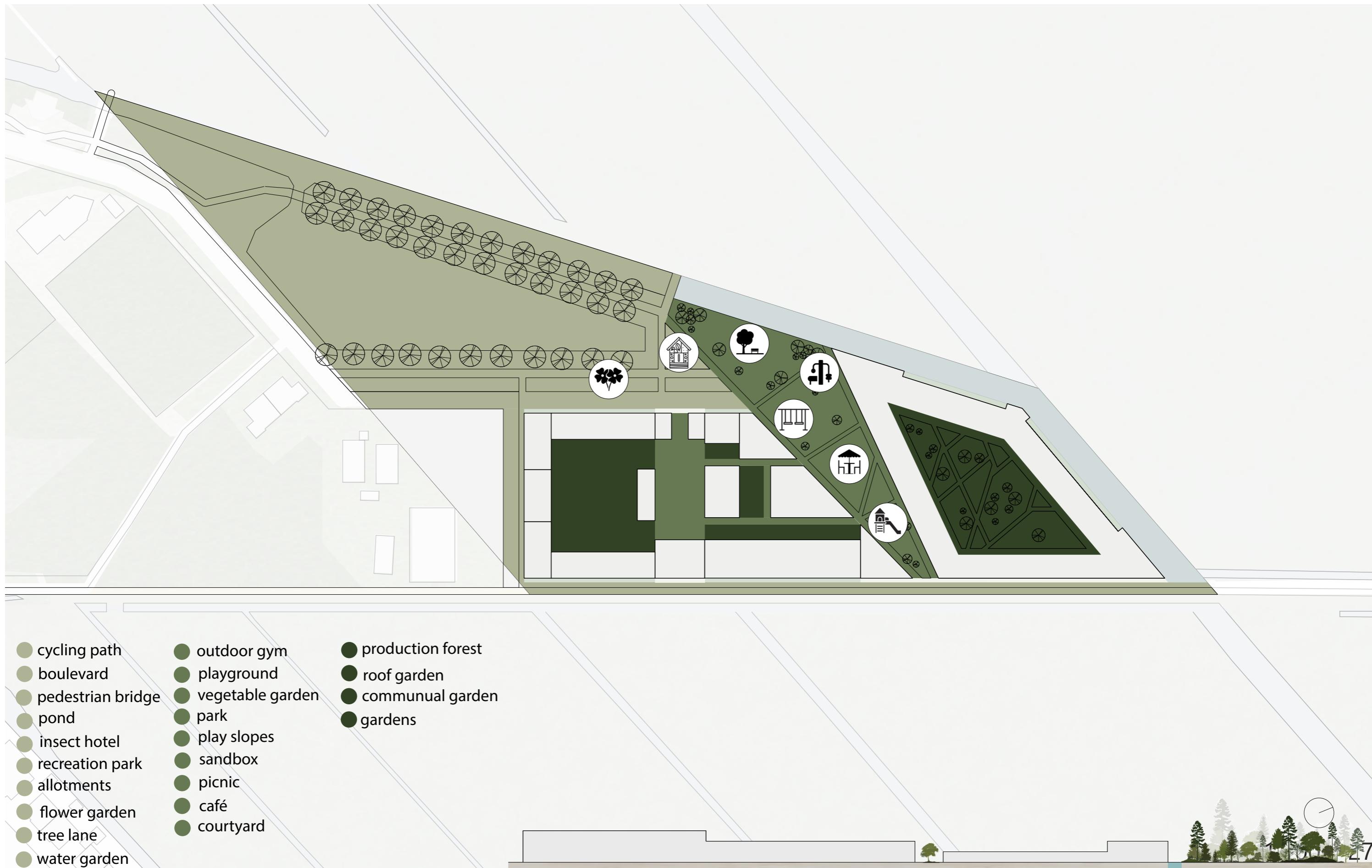
█ INTERMEDIATE BLOCK

█ OPEN BLOCK

█ CLOSED BLOCK

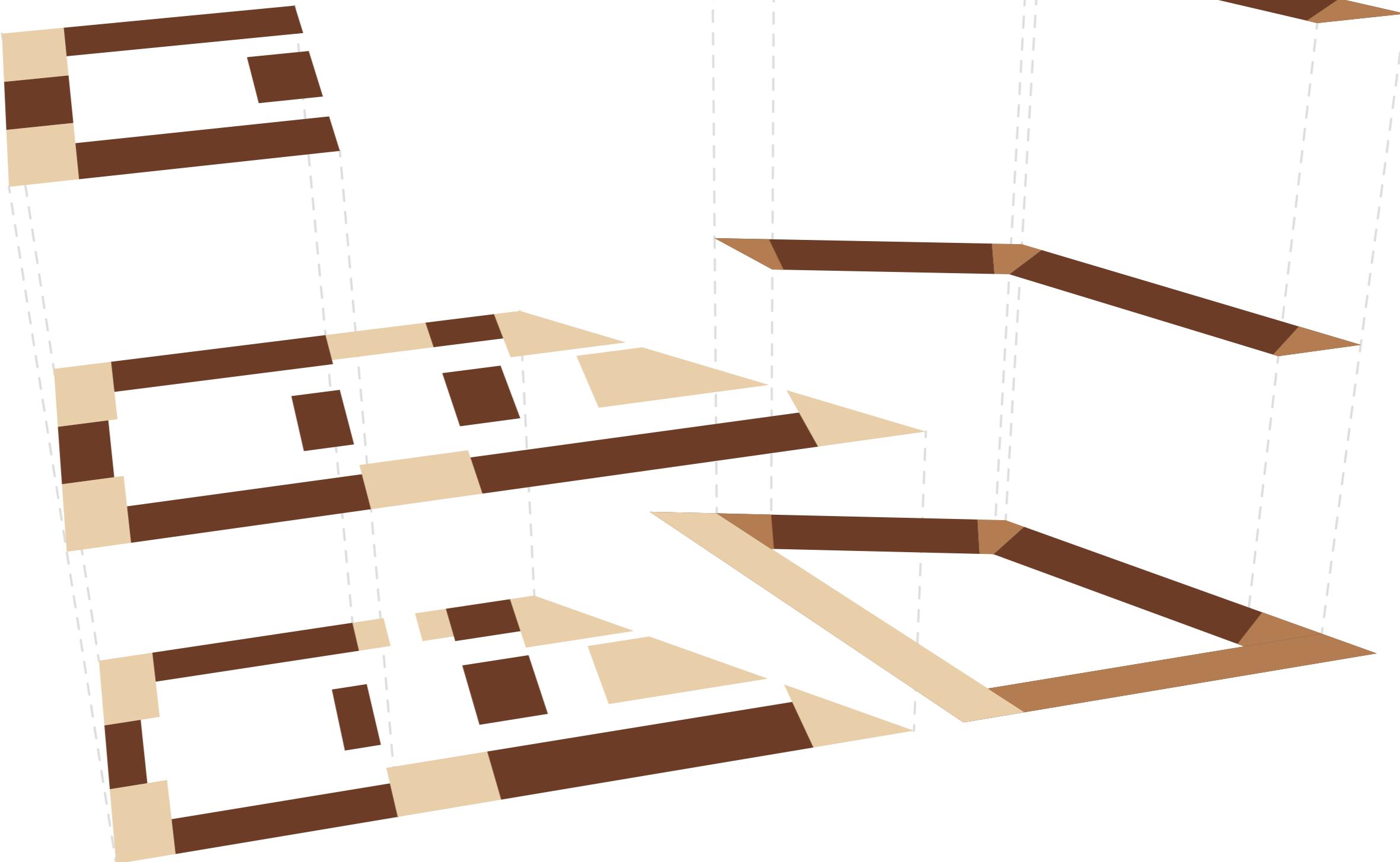
05 GREEN ENVIRONMENT

PUBLIC, COLLECTIVE AND PRIVATE ZONES



05 PROGRAM

MASTERPLAN



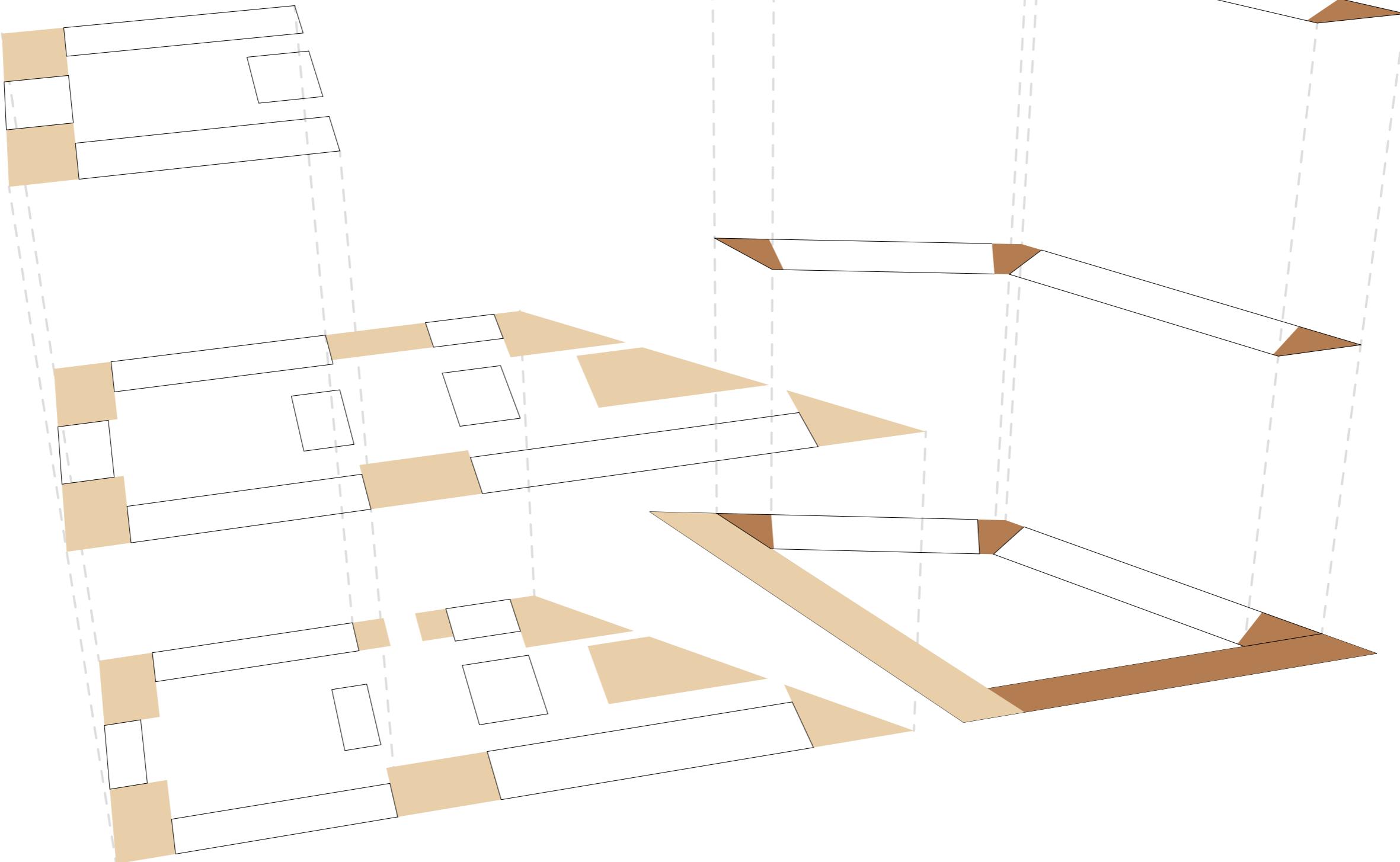
62 RESIDENTIAL UNITS
from 40 m² - 120 m²

COLLECTIVE AREA
circulation, meeting & transitional area,
courtyard, play area,
living room & kitchen

CARE
reception, offices, cafeteria,
conference & consulting rooms

05 PROGRAM

COLLECTIVE AREA AND CARE



1. OFFICES/ MEETING ROOM
2. BICYCLE STORAGE
3. CANTEEN

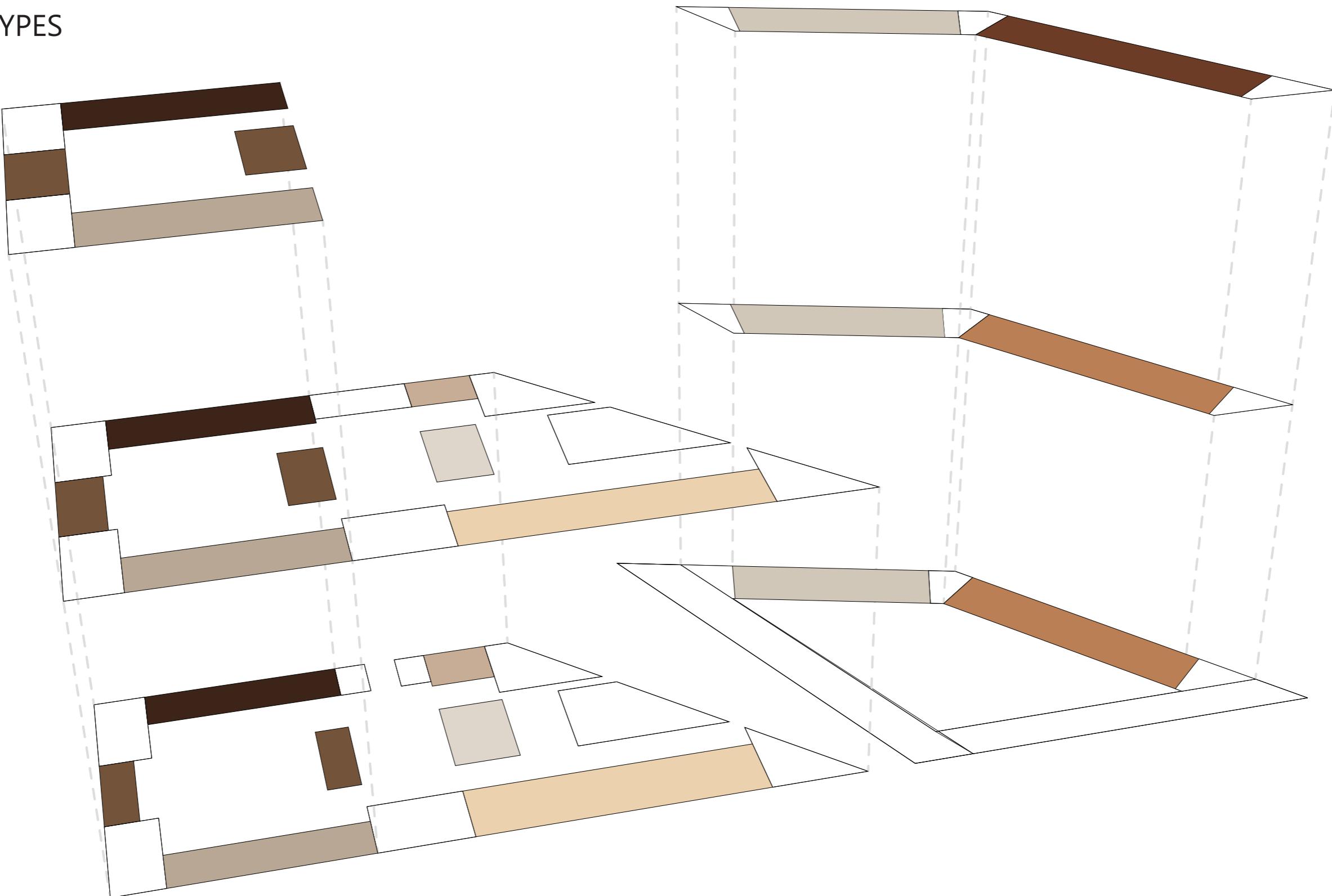
4. FITNESS ROOM
5. GARDENING
6. RECEPTION

7. SECOND HAND STORE
8. KINDER GARDEN
9. YOUTH SPACE

10. KITCHEN/ LIVING ROOM
11. STAIRWELL

05 PROGRAM

DWELLING TYPES





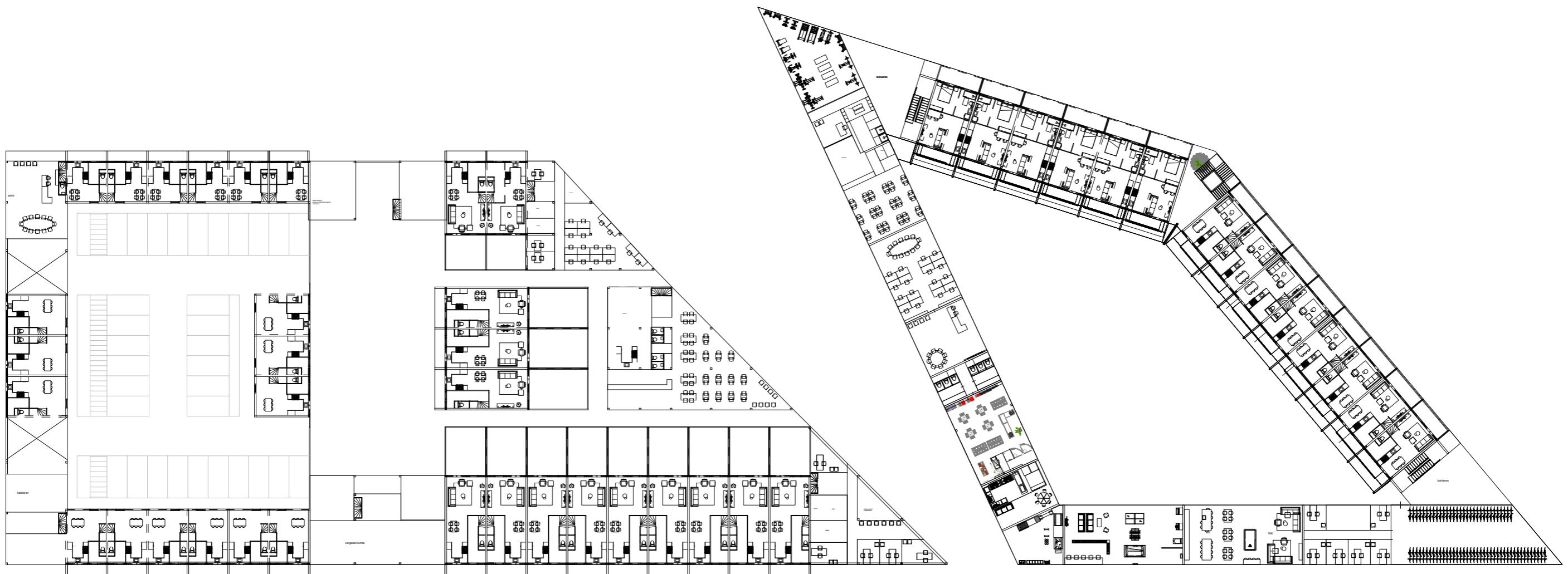
SINGLE-FAMILY HOUSE

 STUDIO 1

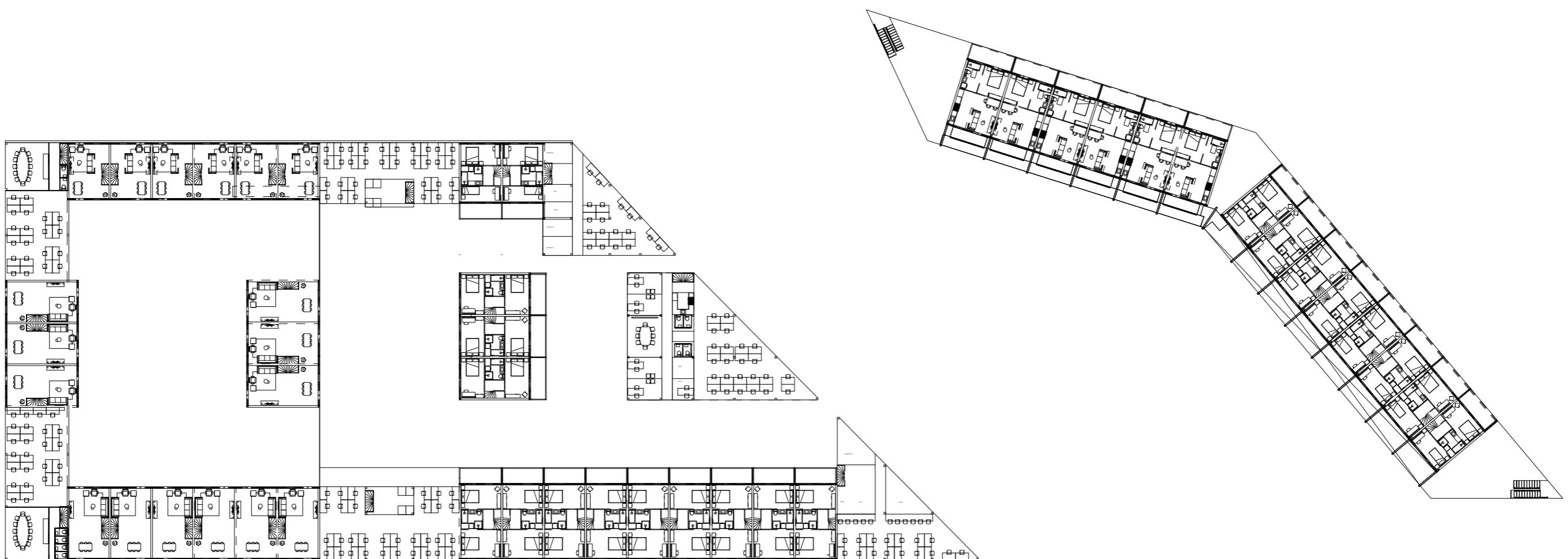
MAISONNETTE

PENTHOUSE 30

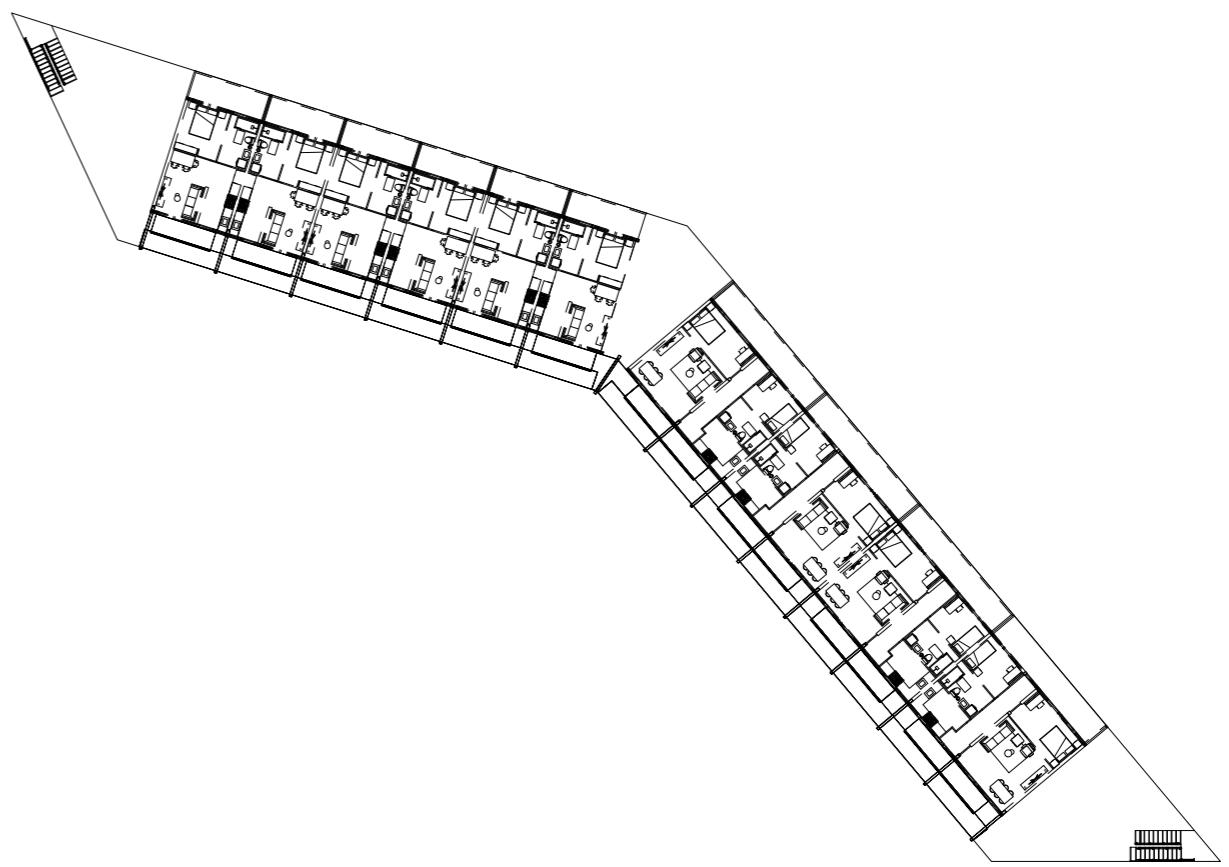
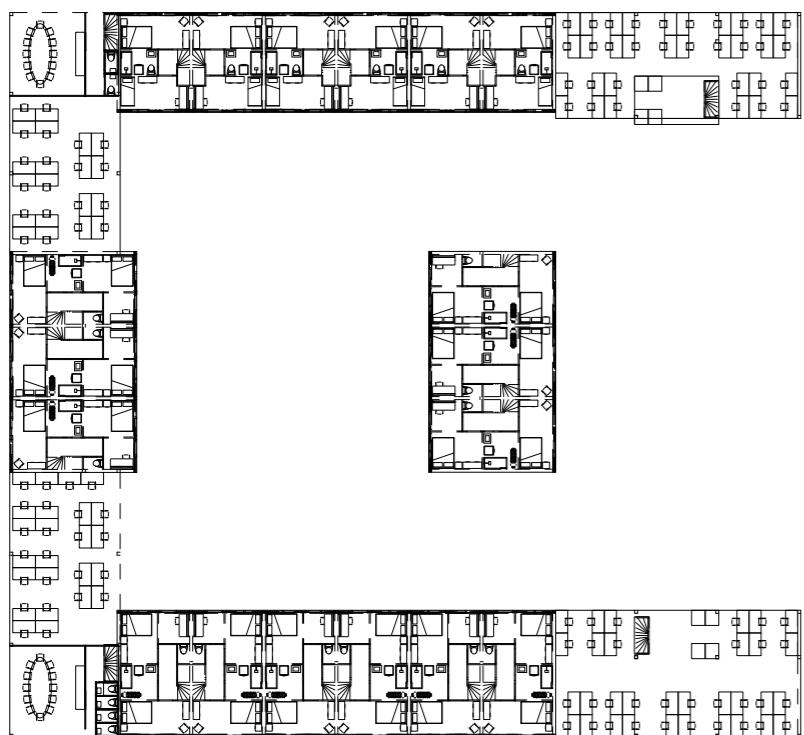
GROUND FLOOR



FIRST FLOOR

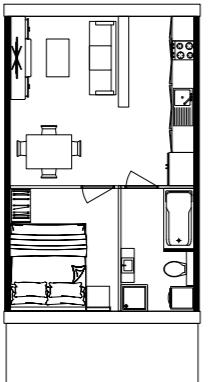


SECOND FLOOR

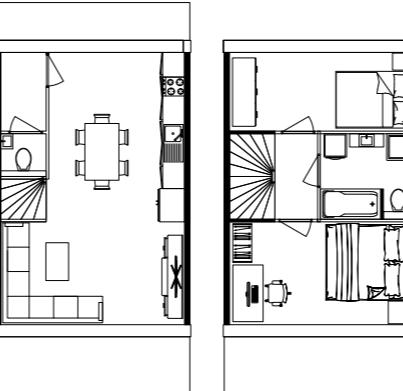


05 DWELLING VARIANTS

TOTAL OF 62 DWELLINGS



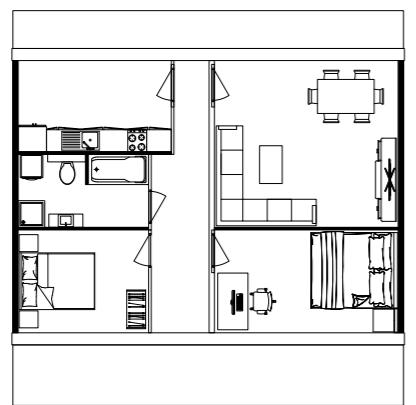
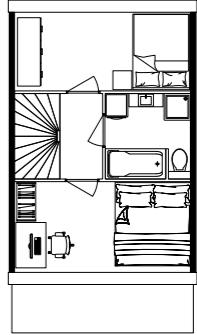
STUDIO



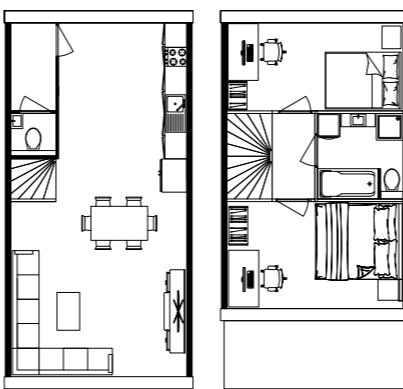
MAISONNETTE



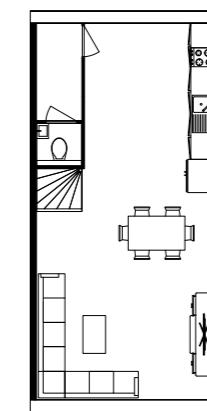
SINGLE-FAMILY HOUSE



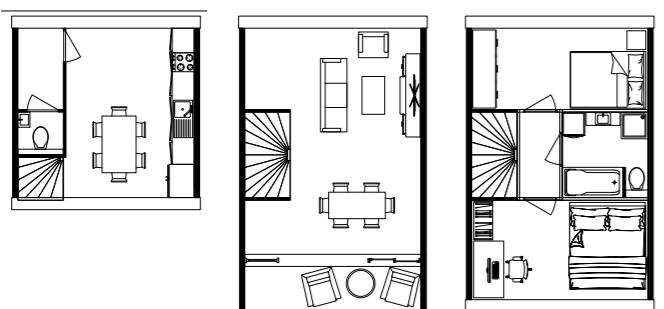
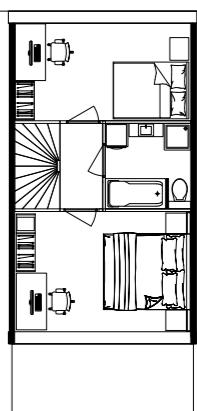
PENTHOUSE



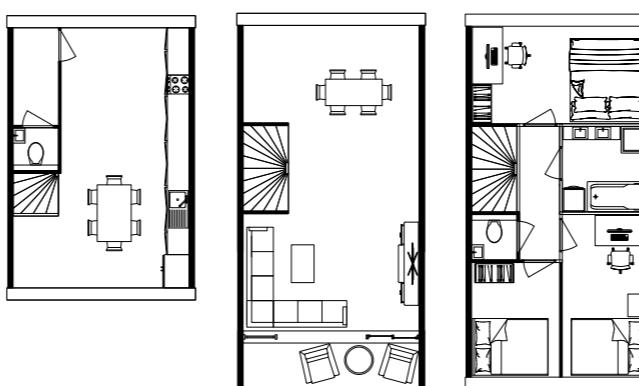
SINGLE-FAMILY HOUSE



SINGLE-FAMILY HOUSE



SINGLE-FAMILY HOUSE



SINGLE-FAMILY HOUSE



SINGLE-FAMILY HOUSE

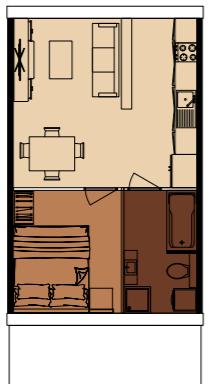
05 DWELLING VARIATIONS

LIVING/ DINING/ KITCHEN

HALLWAY/ STAIRCASE

BEDROOM

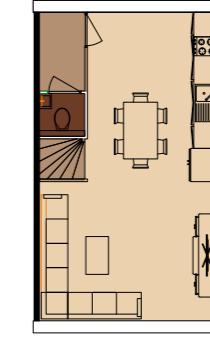
RESTROOM/ BATHROOM



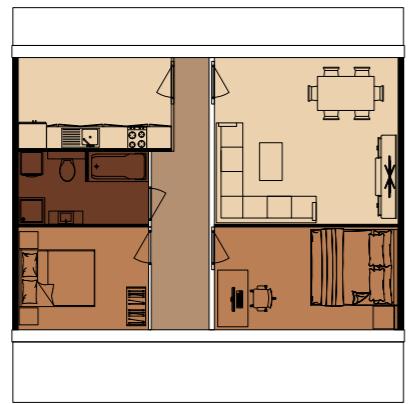
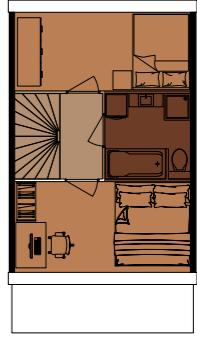
STUDIO



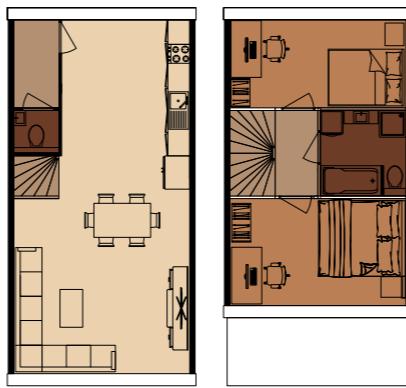
MAISONNETTE



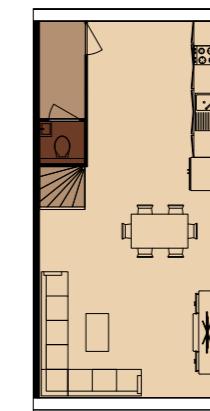
SINGLE-FAMILY HOUSE



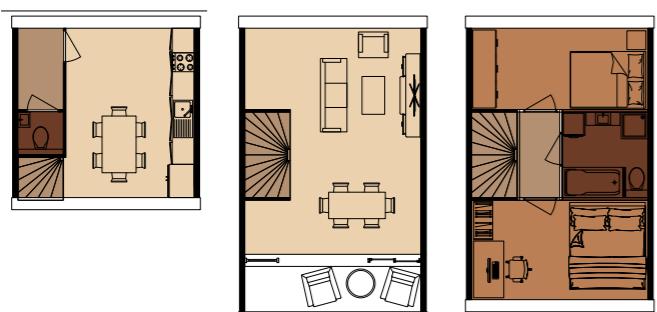
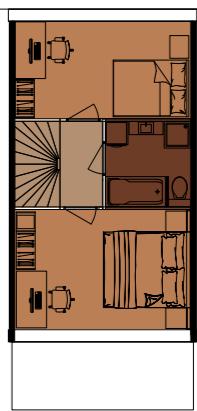
PENTHOUSE



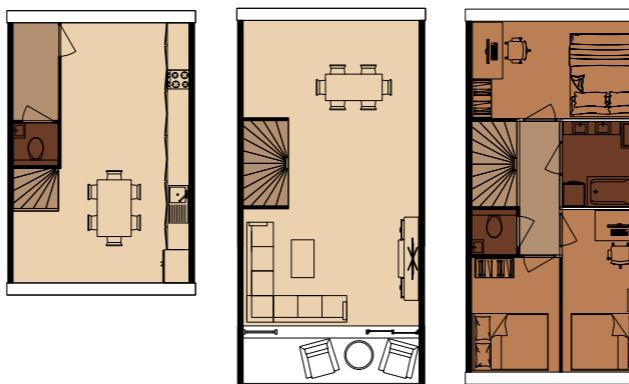
SINGLE-FAMILY HOUSE



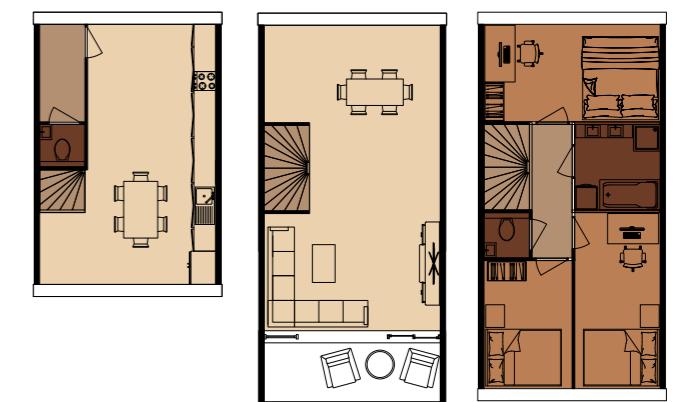
SINGLE-FAMILY HOUSE



SINGLE-FAMILY HOUSE

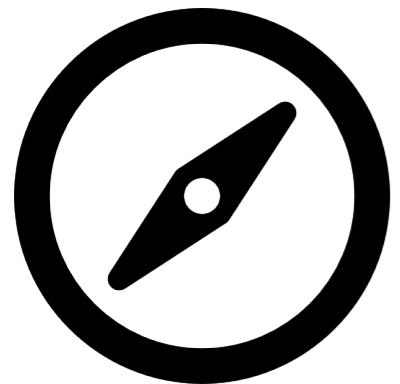


SINGLE-FAMILY HOUSE

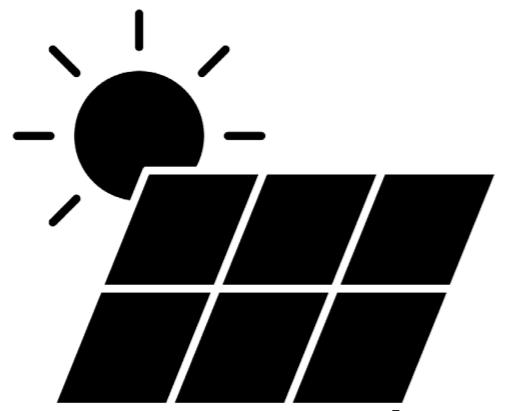


SINGLE-FAMILY HOUSE

06 SUSTAINABLE AND CIRCULAR AMBITIONS



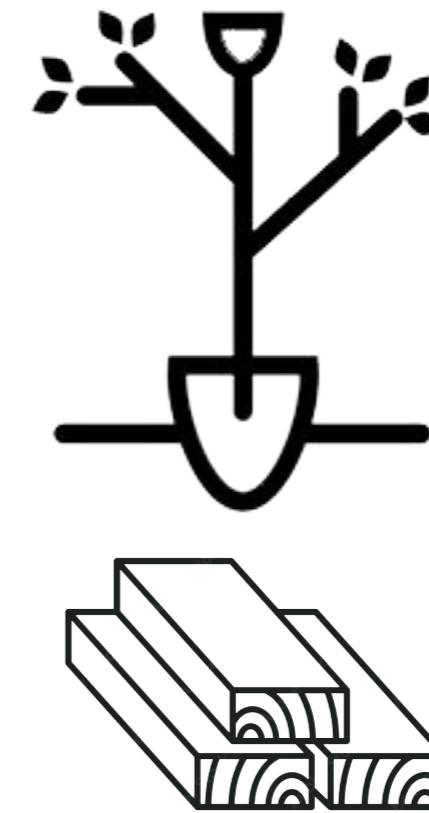
orientation



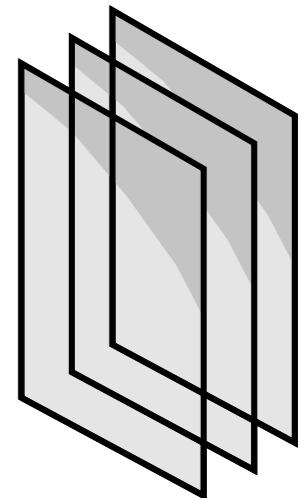
PV panels
generate energy



rainwater storage

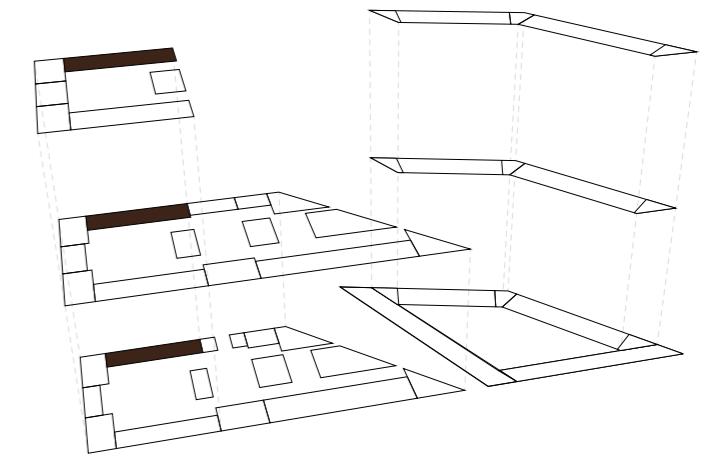
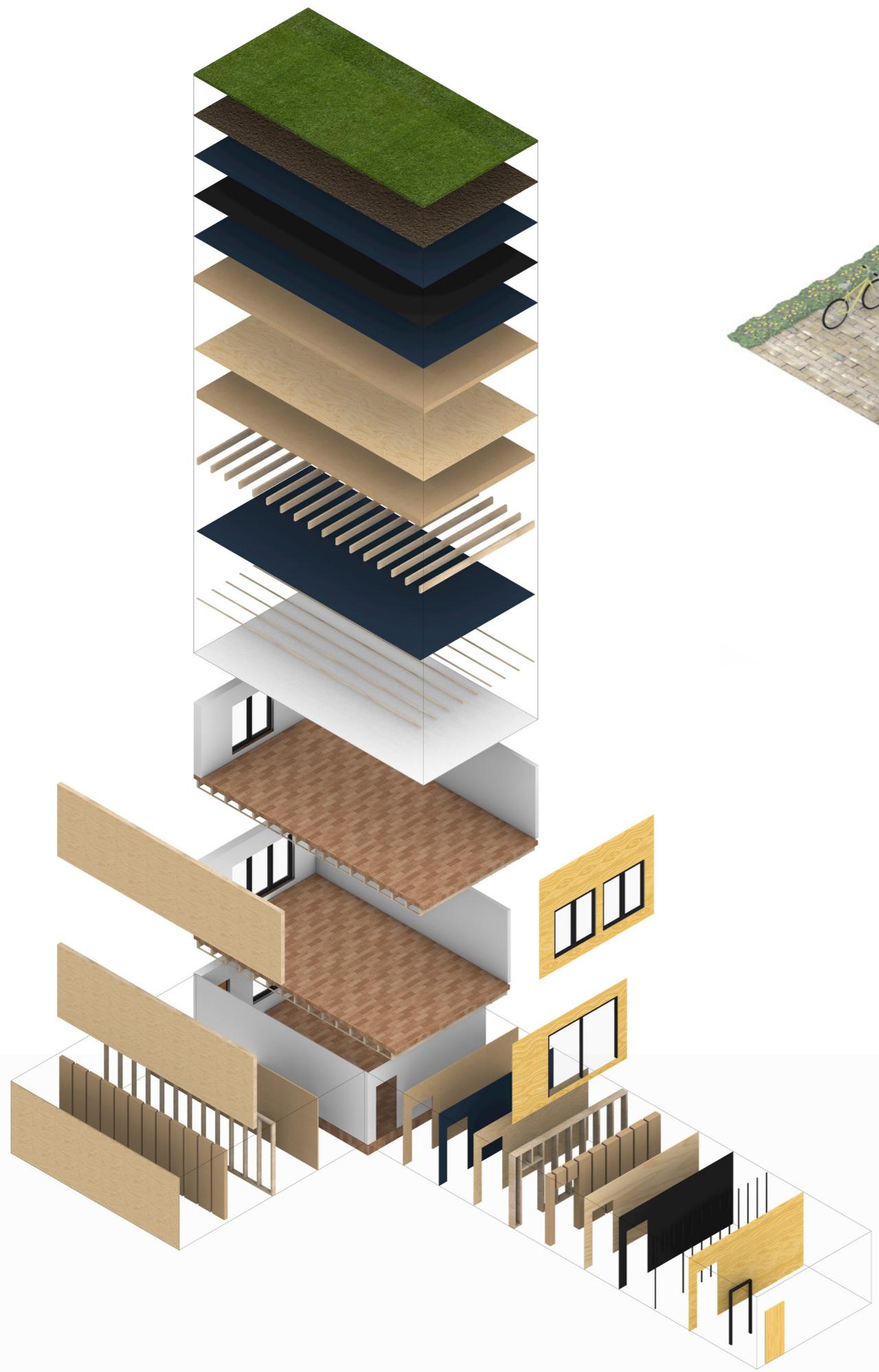


wood used is
locally planted

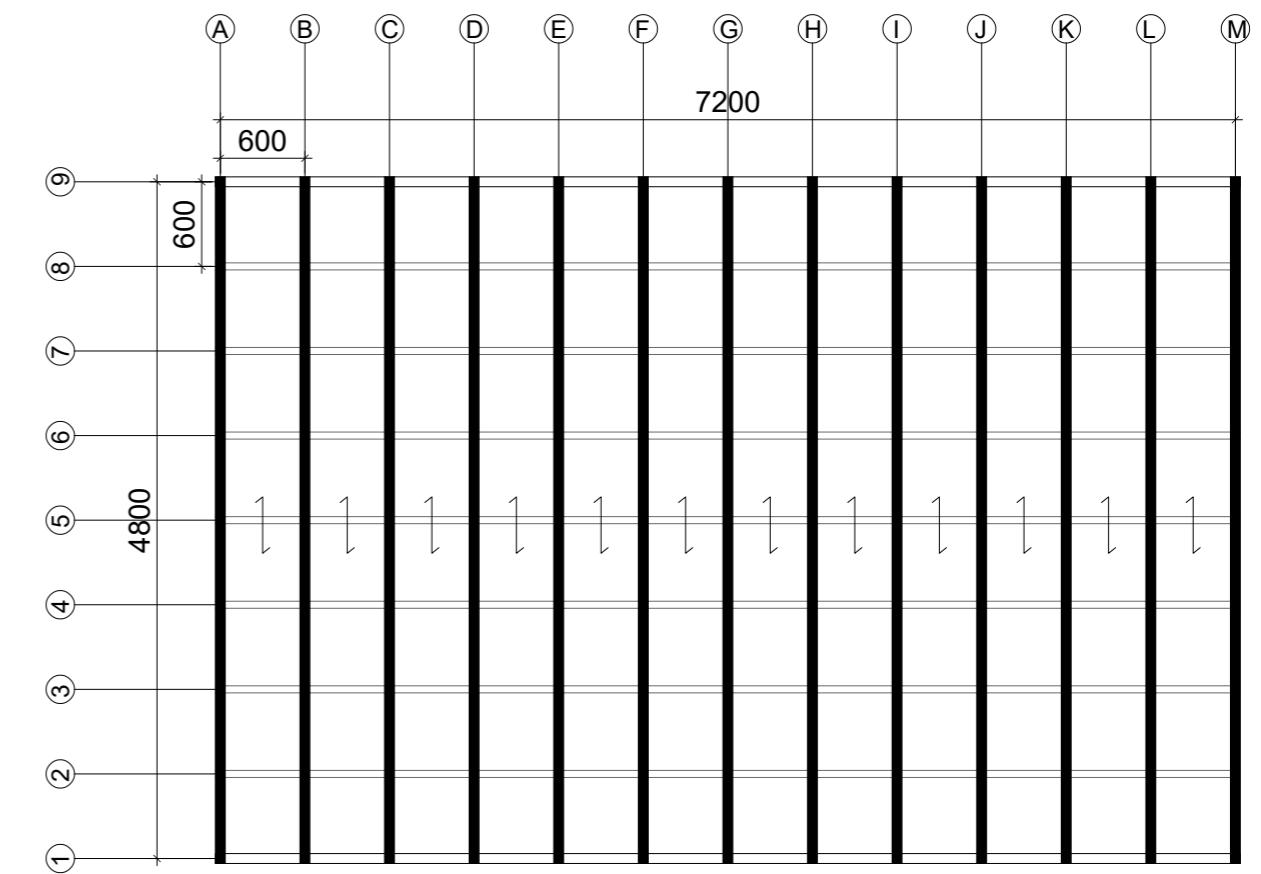
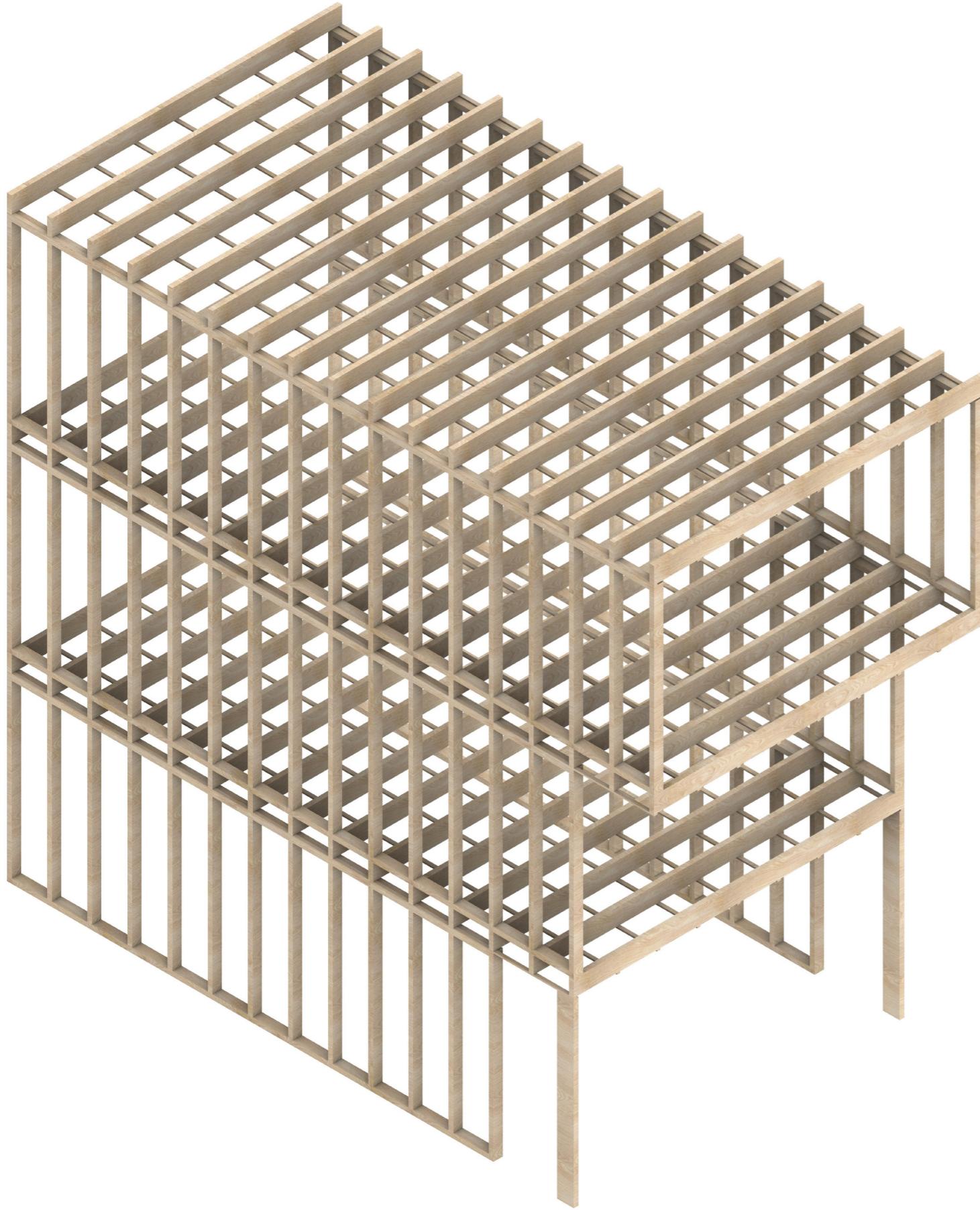


triple glazing

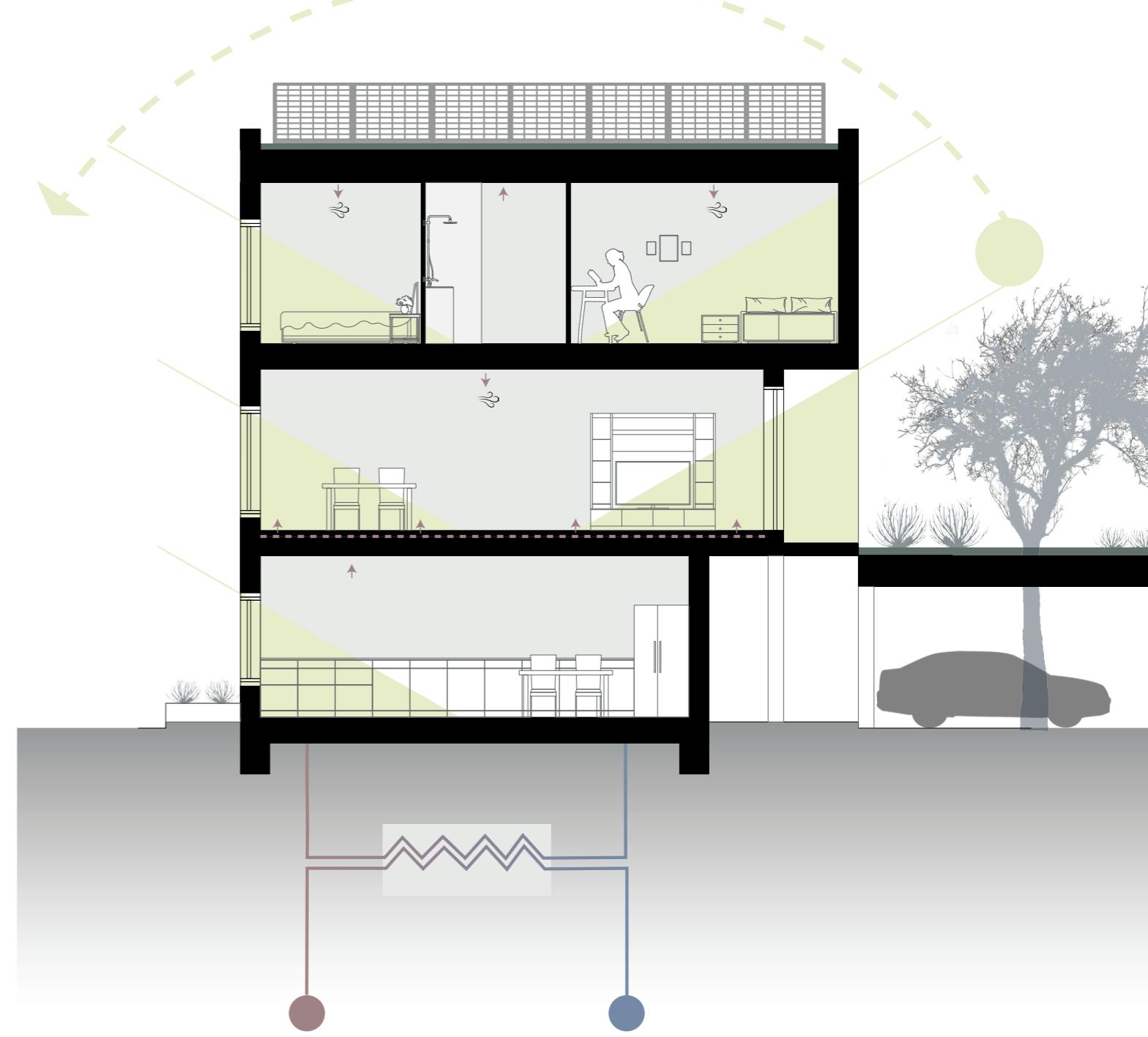
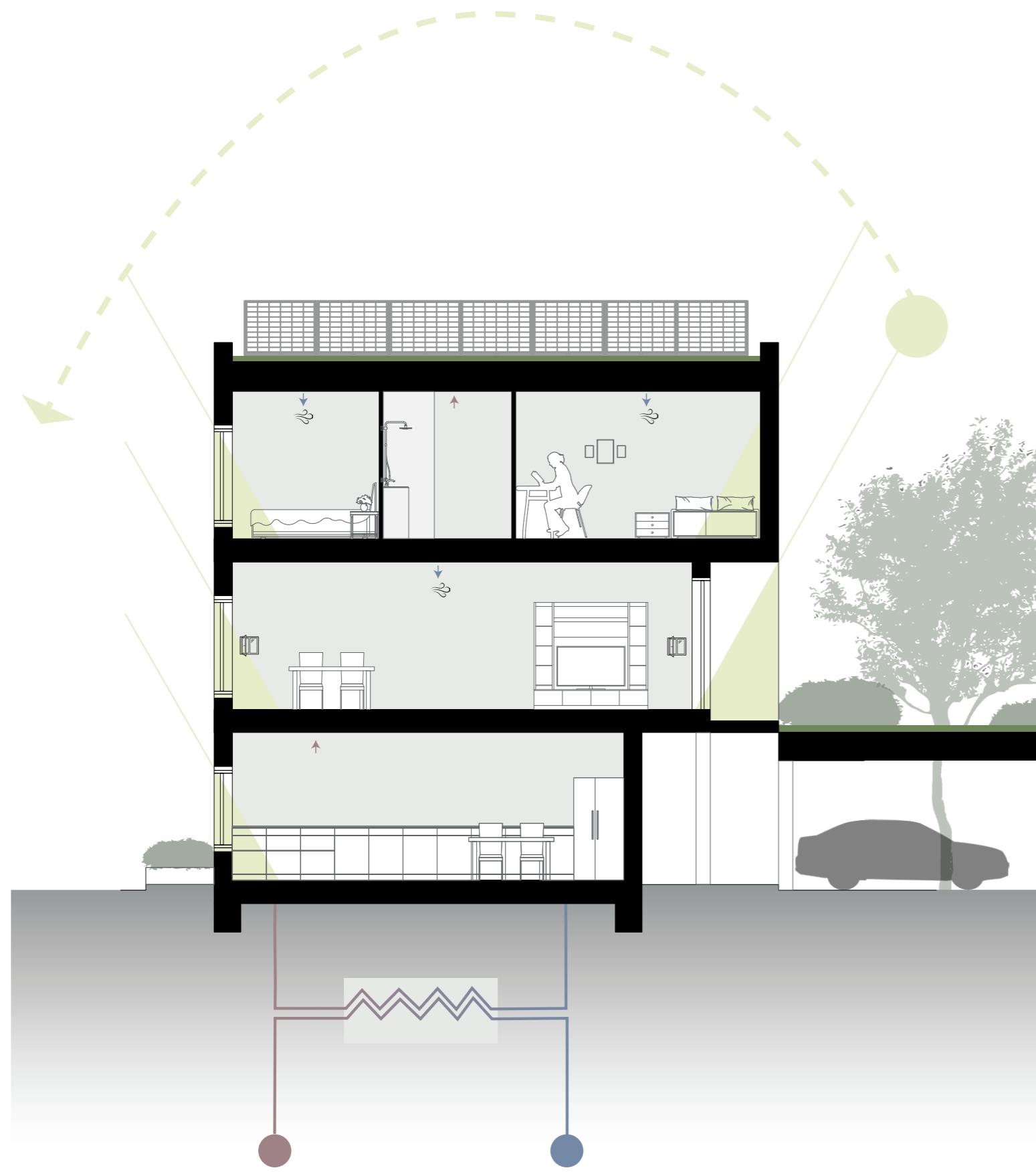
06 SINGLE- FAMILY HOUSE



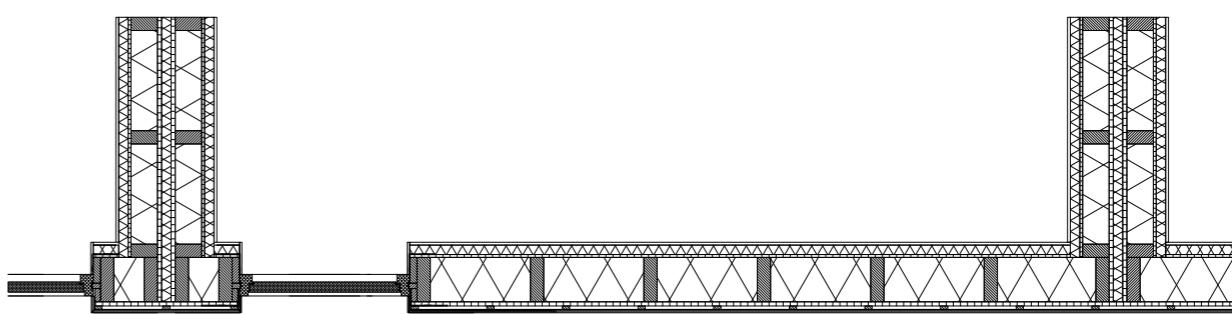
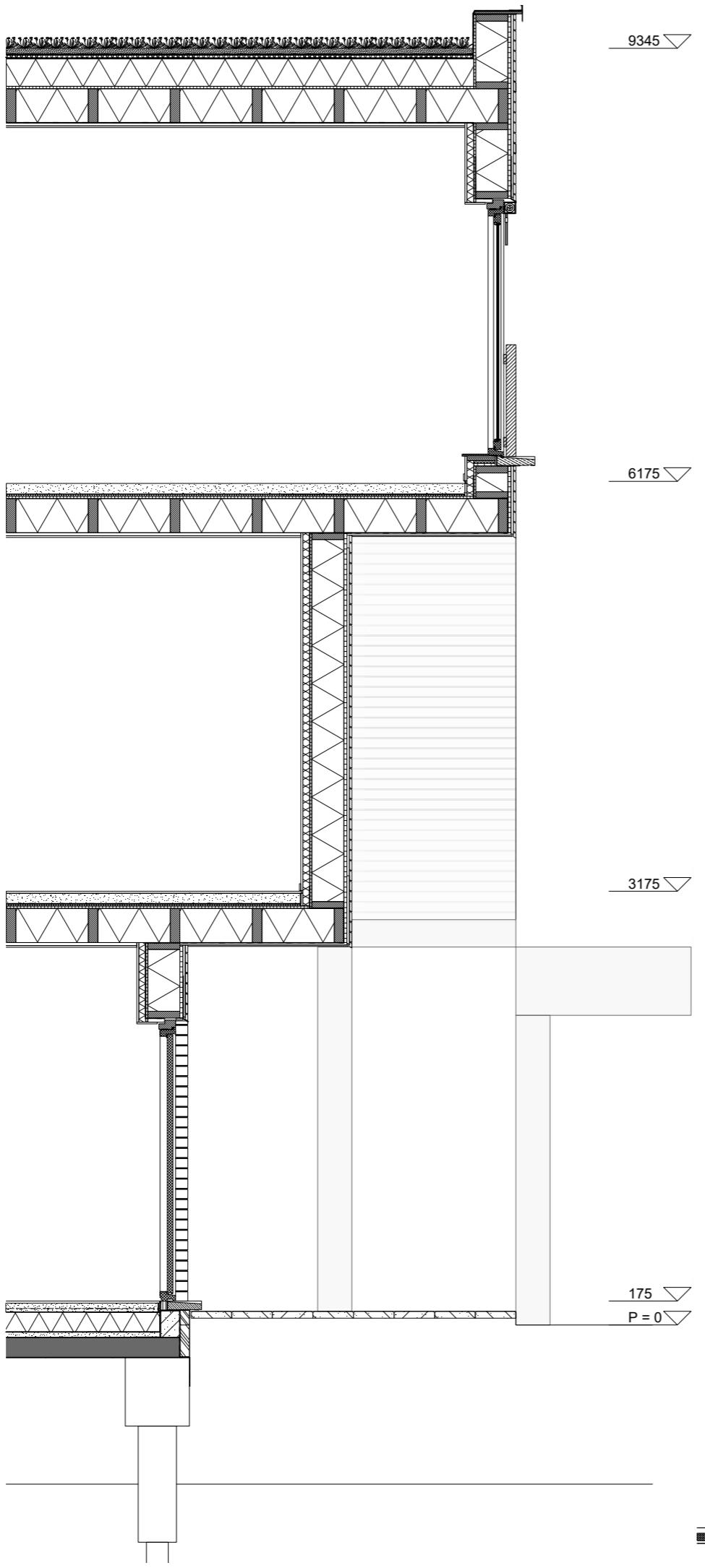
06 STRUCTURE



06 CLIMATE CONCEPT



06 FACADE





THE GREEN HAVEN

SHENAYA ROCHA-DALGER 4777735

AR3AD100 Advanced Housing Design
Architecture and Dwelling, TU Delft