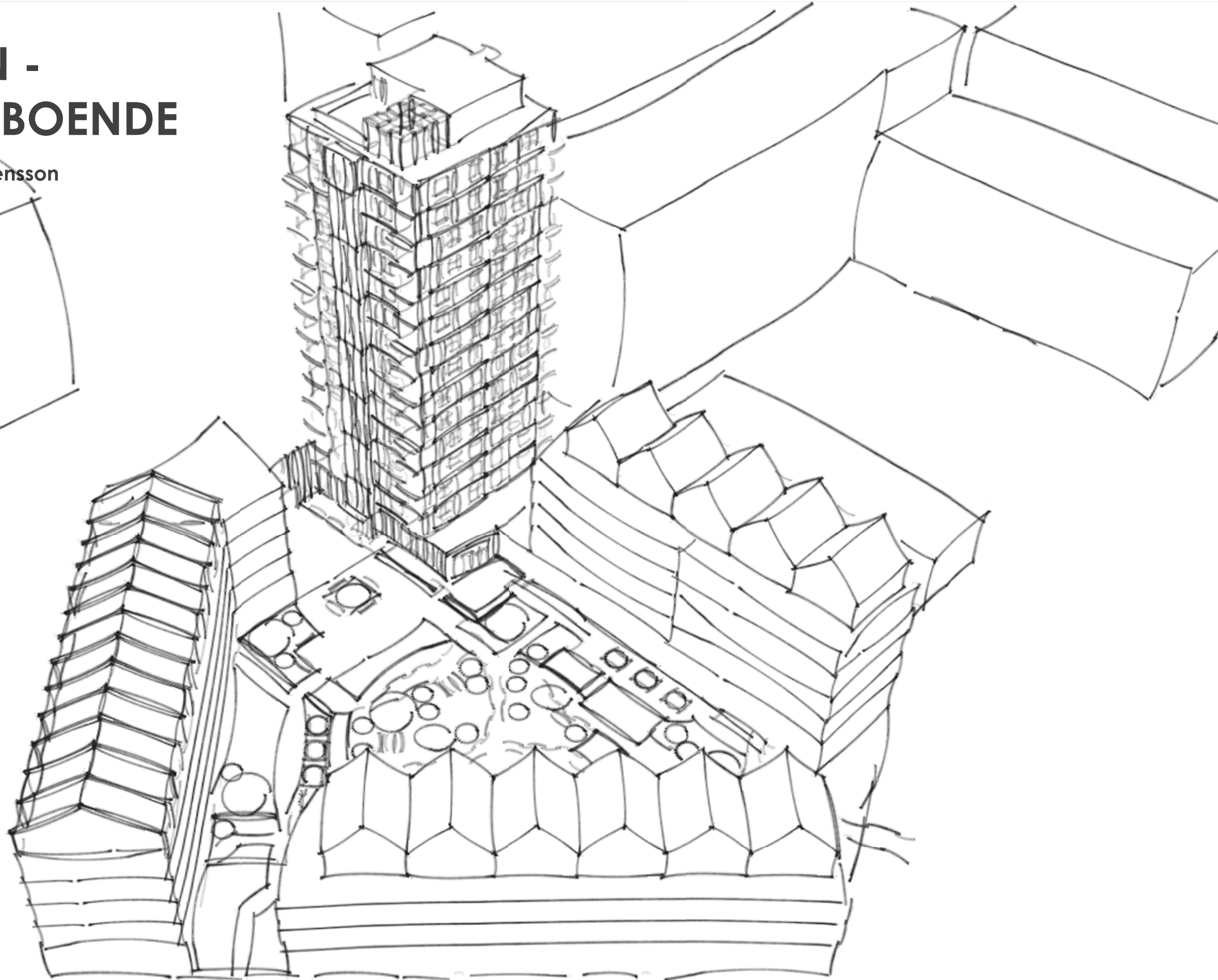


FRIHAMNEN - TRYGGHETSBOENDE

David Seavo & Henrik Svensson



LOCATION

THE SITE

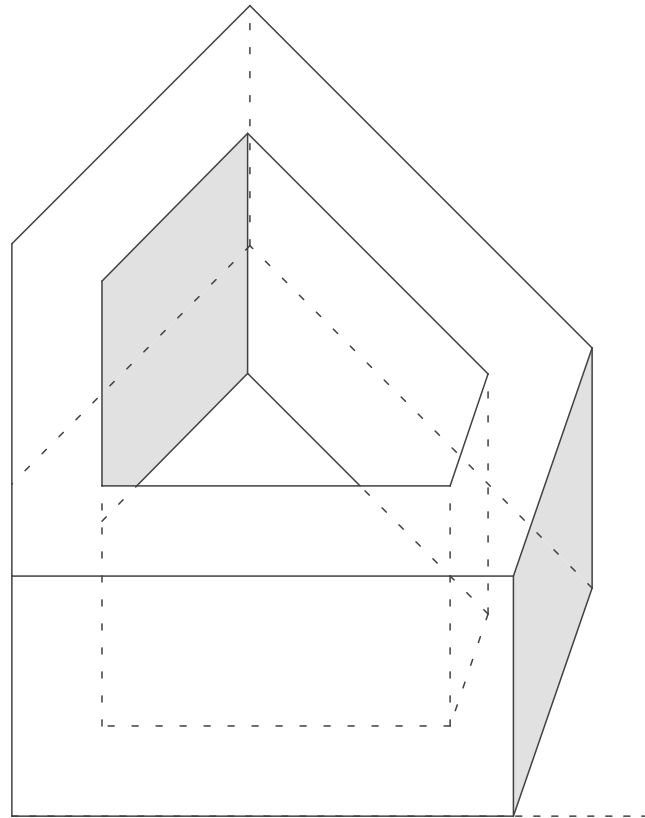
FRIHAMNEN

**GOTHENBURG
CITY CENTER**



THE BLOCK

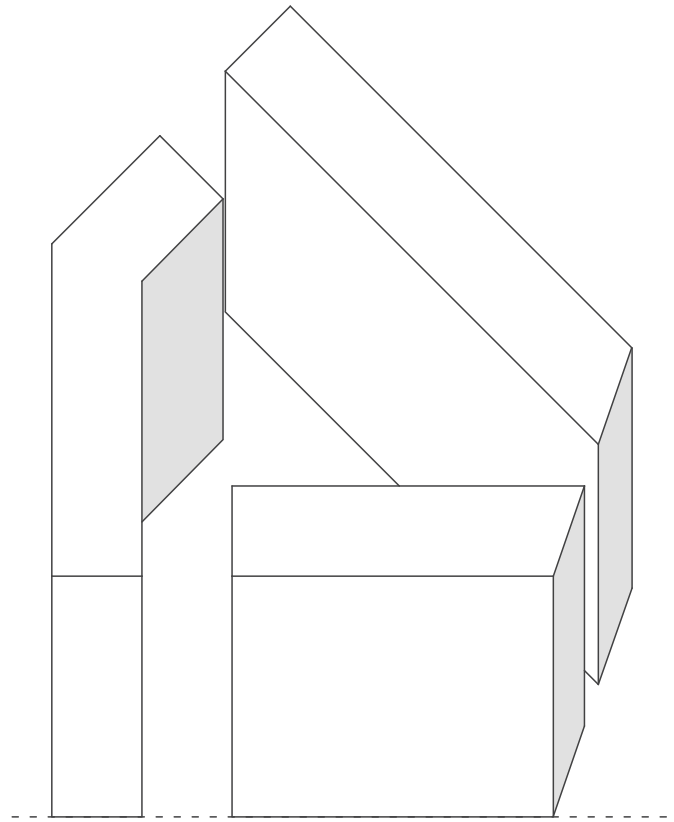
Evolution of the building volumes



A closed block which entails a private courtyard.

THE BLOCK

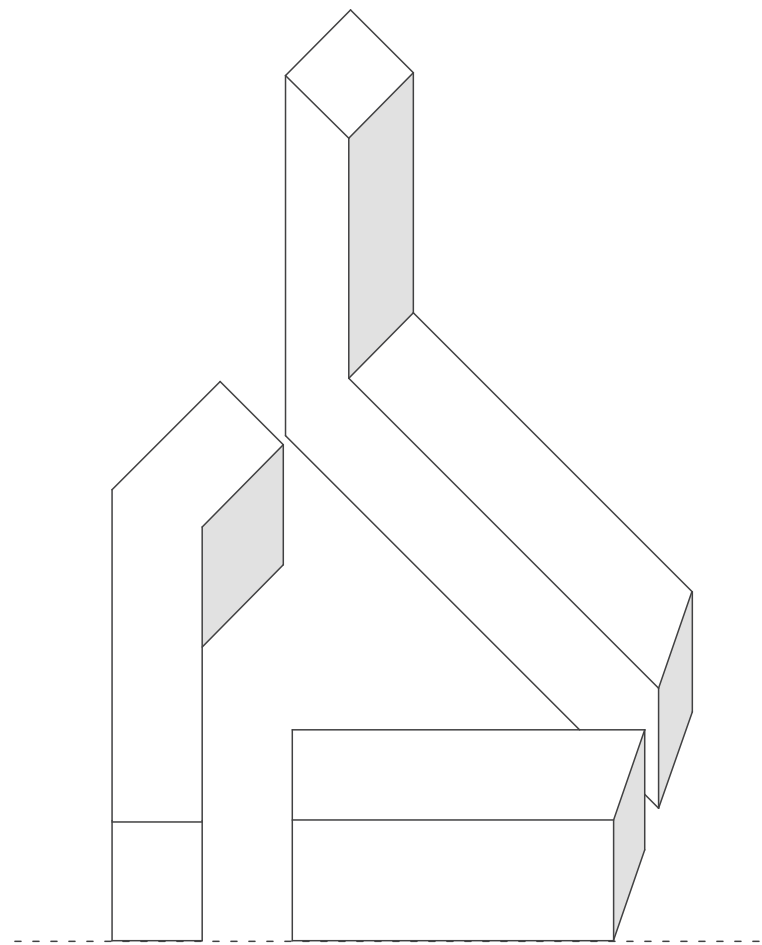
Evolution of the building volumes



Openings for more discernable building volumes and entrances to the courtyard.

THE BLOCK

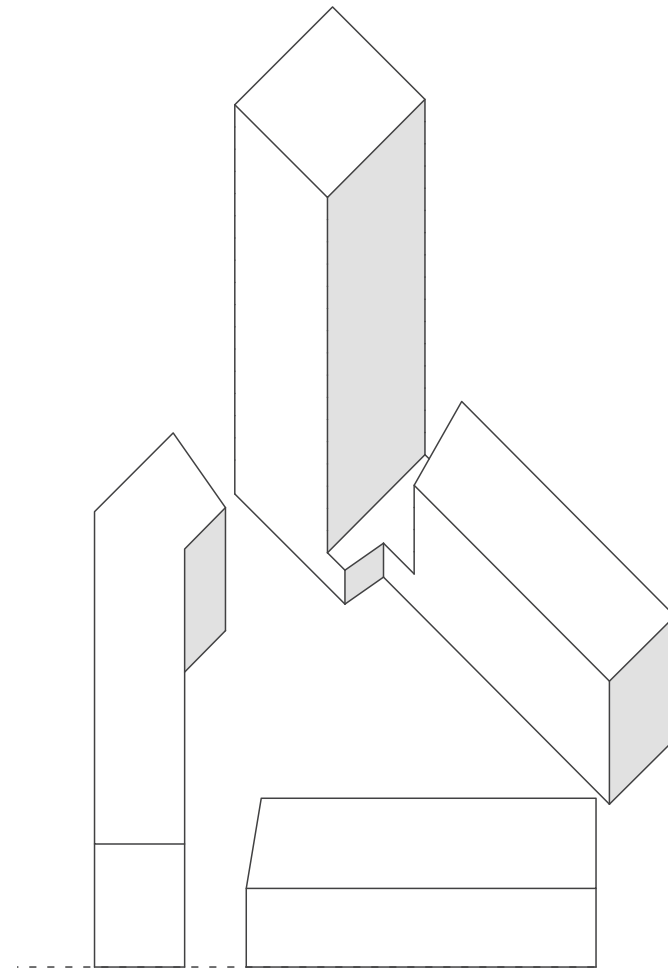
Evolution of the building volumes



Adapted building heights for
more natural light

THE BLOCK

Evolution of the building volumes



Angled openings enlarges the space

Adjusted building volumes to fit the program

THE BLOCK

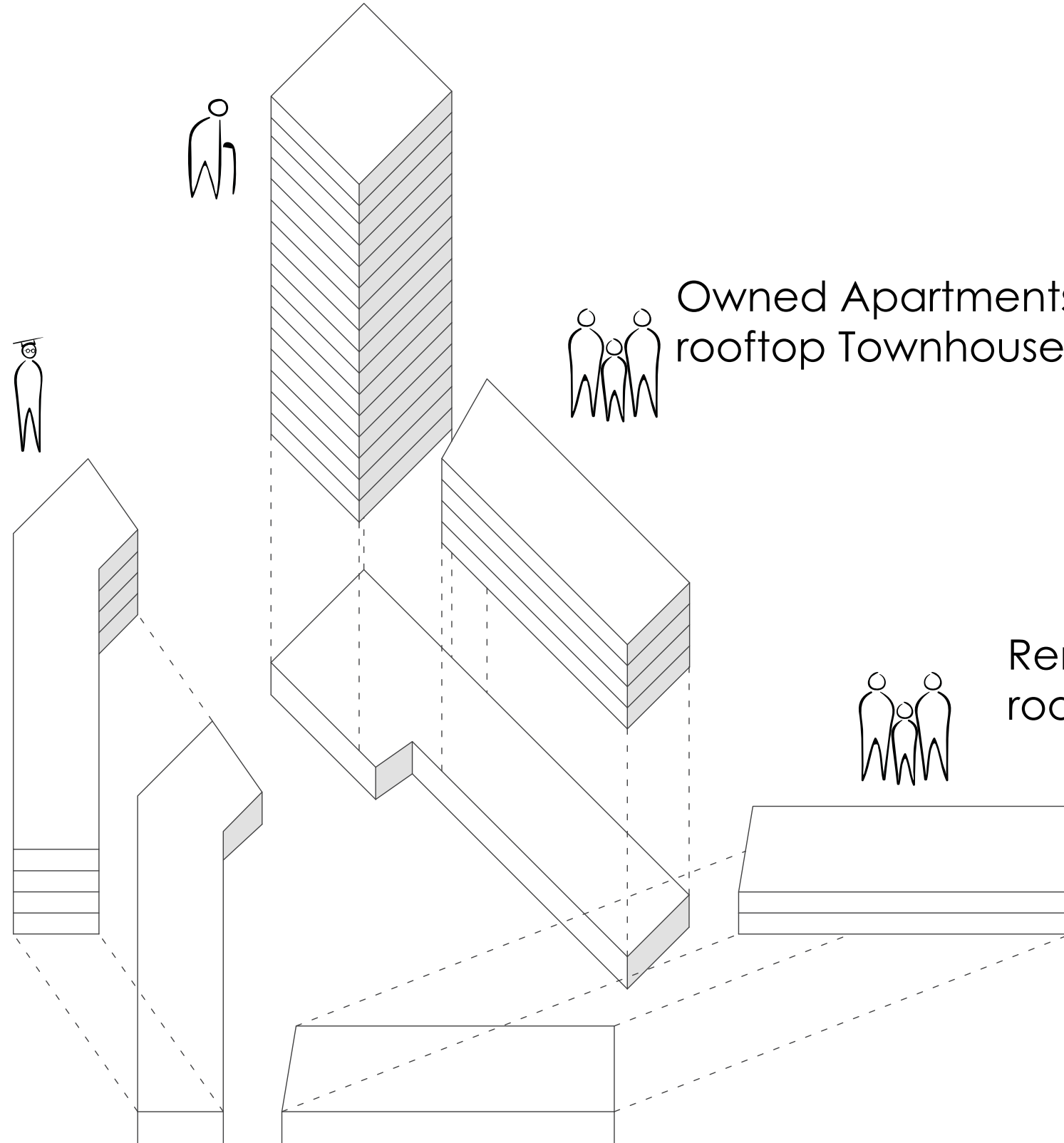
Demographic mix

Young & Students
Rental apartments

Seniors
Rental apartments

Owned Apartments &
rooftop Townhouses

Rental Apartments &
rooftop Townhouses



THE BLOCK

Ground floor & Courtyard

- TRYGGGHETSBOENDE
- SHARED FACILITY
- LIBRARY/ CAFÉ / STORE
- BATH, GYM & PHYSIOTHERAPY
- BASIC FUNCTIONS



SITEPLAN



School

Access by car

Trygghetsboende

Tram Stop

Courtyard

The Jubilee Park

0 5 10 15 20 40

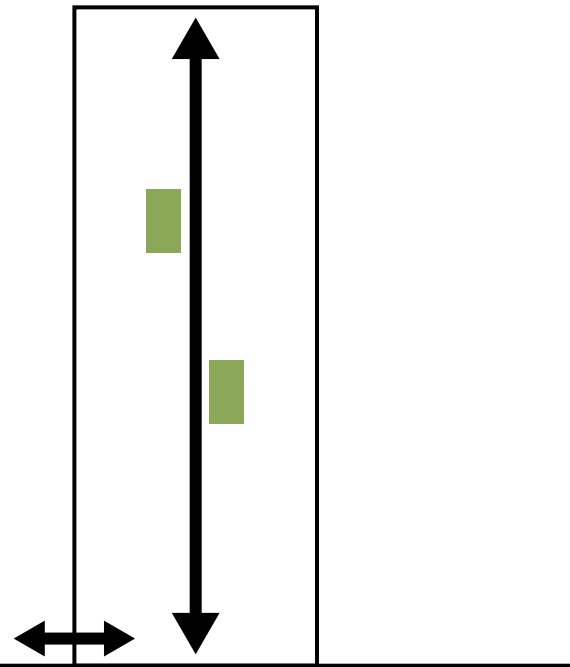


AERIAL VIEW



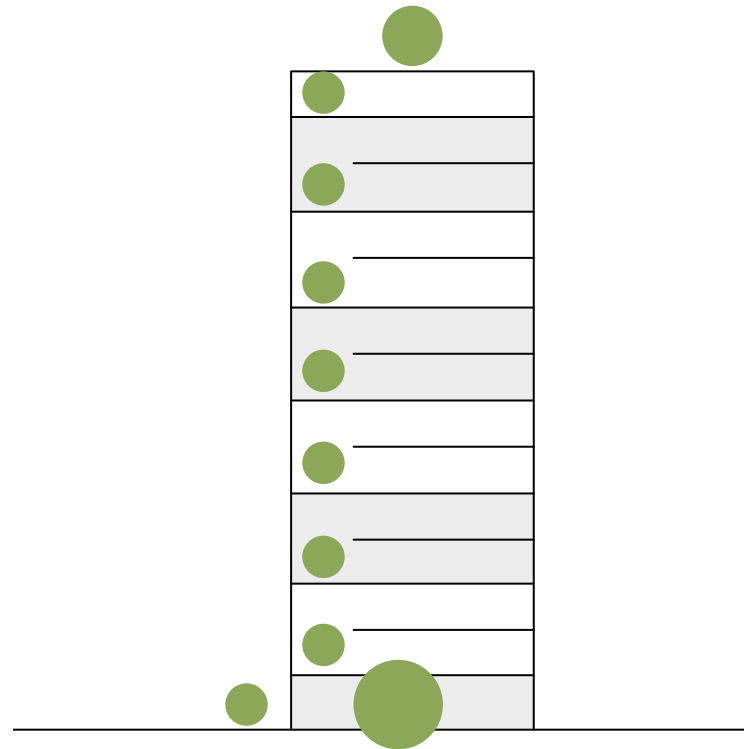
TRYGGHETSBOENDE

Concepts



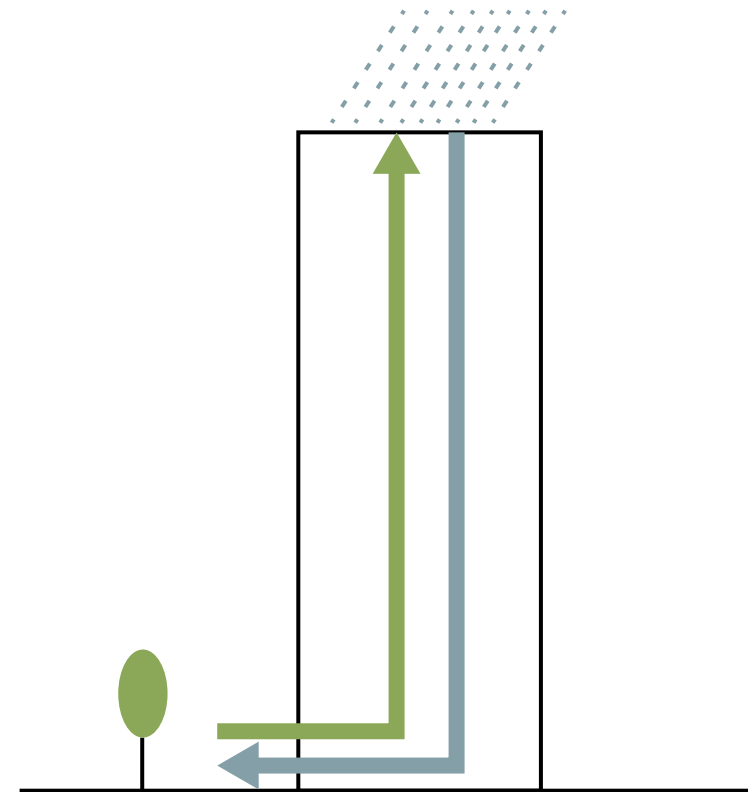
Vertical living

- +Accessible
- +Close to everything
- +Easy to orientate
- +Concentrated flow
- +Views
- +Daylight



Living Units

- +Living units with 2 connected levels
- +Distribution of flexible common spaces



Vertical Garden

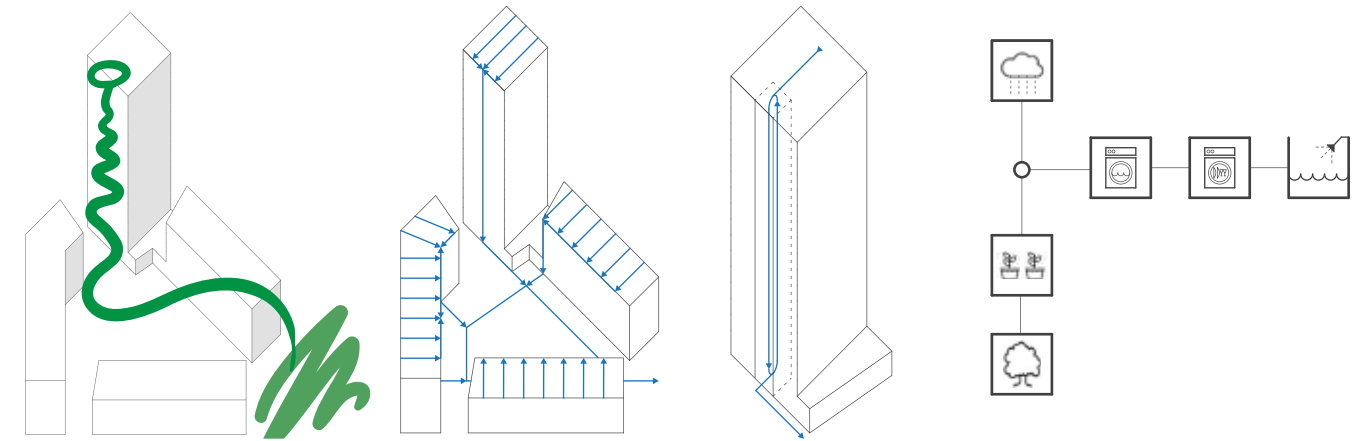
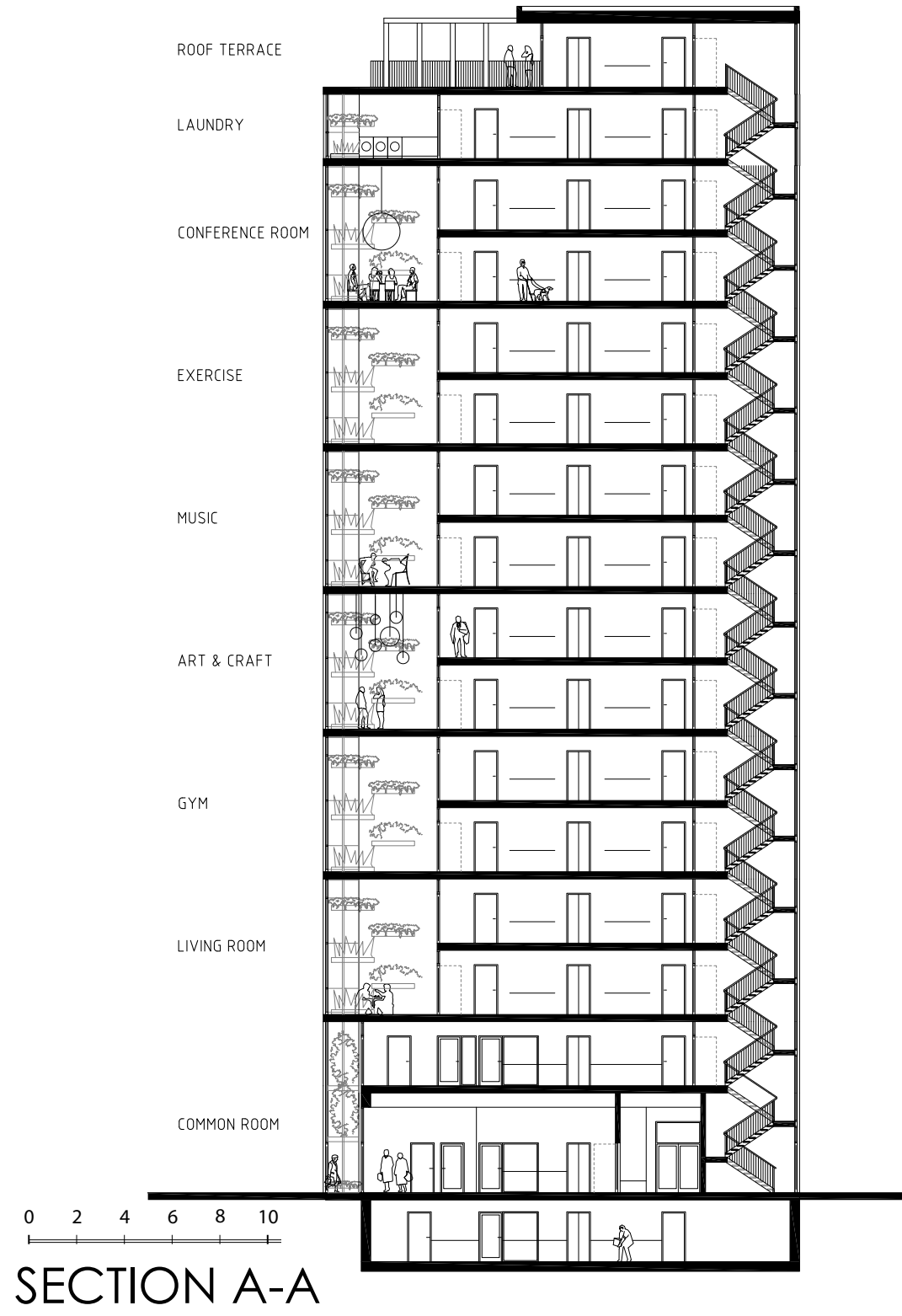
- +Natural elements with greenery close to all the elderly's apartments



Wood

- +Sustainable
- +Healthy
- +Rational

VERTICAL GARDEN



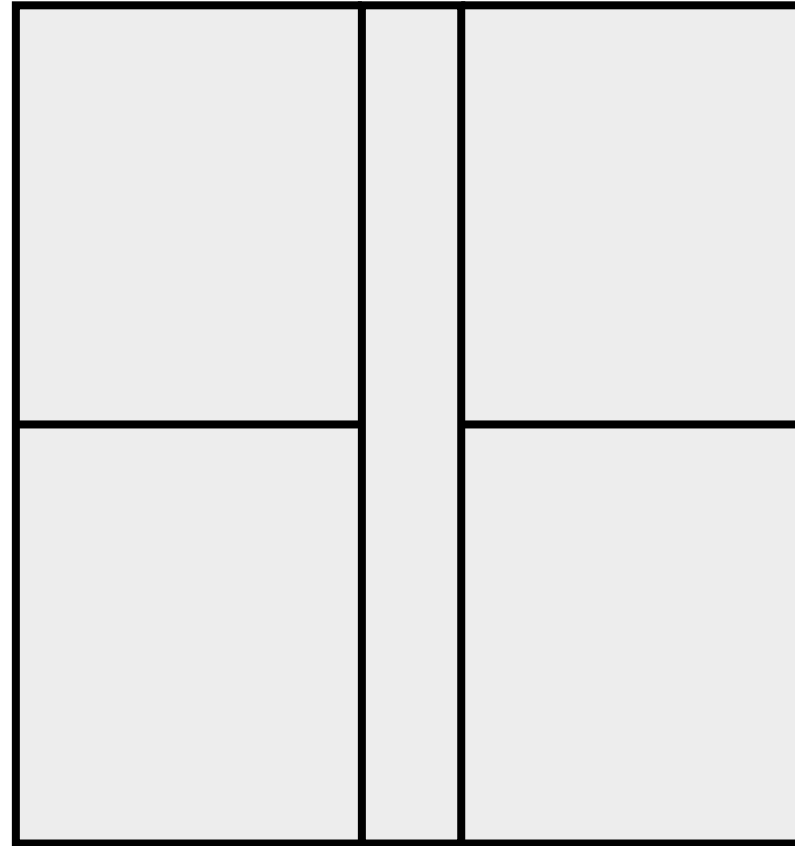
Cleaning water and purifying air by bringing greenery up and water down



Green, light and flexible common spaces that can be programmed by the elderly in each living unit.

FLOOR PLANS

Layout



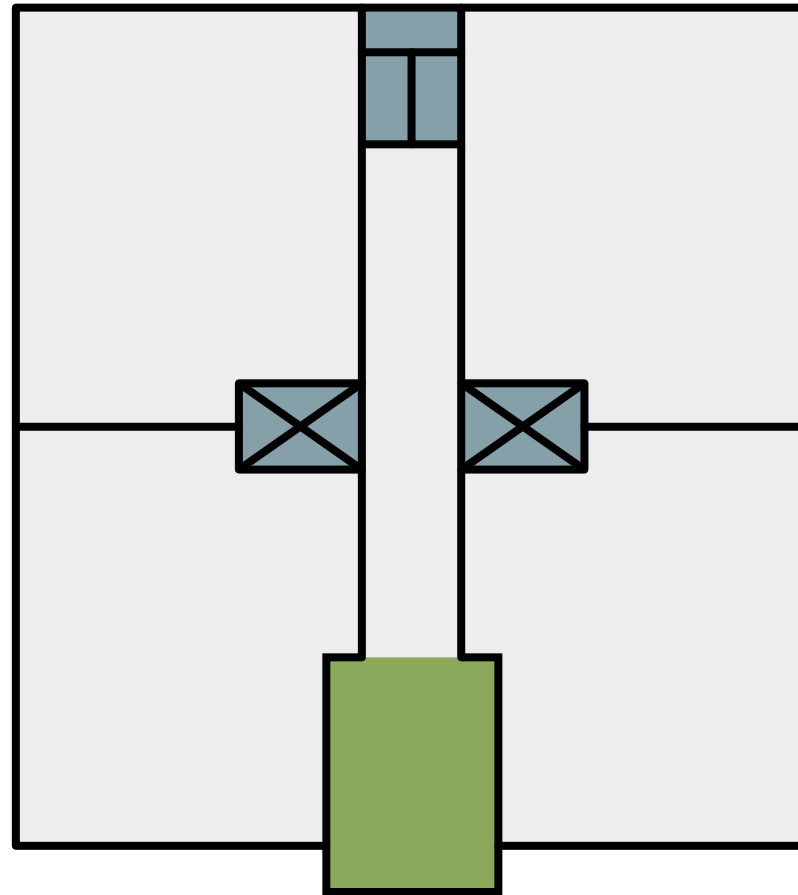
Symmetry

4 corner apartments for views and daylight.

Corridor with daylight from two directions.

FLOOR PLANS

Layout



Communication- and shared areas

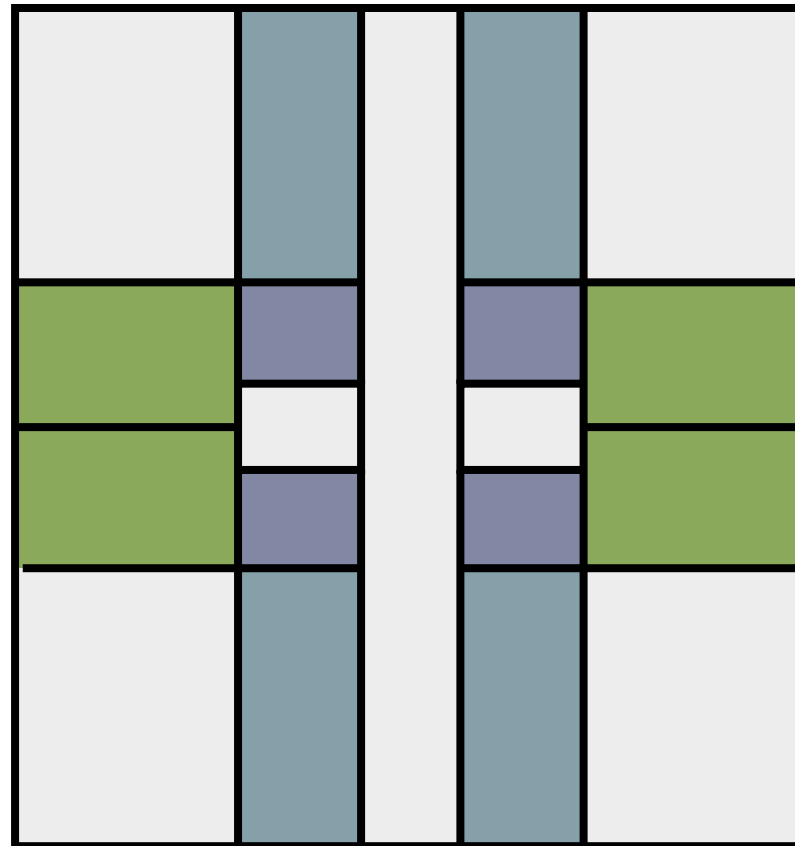
Central elevators

Staircase with daylight

Shared vertical garden

FLOOR PLANS

Layout



Rationality

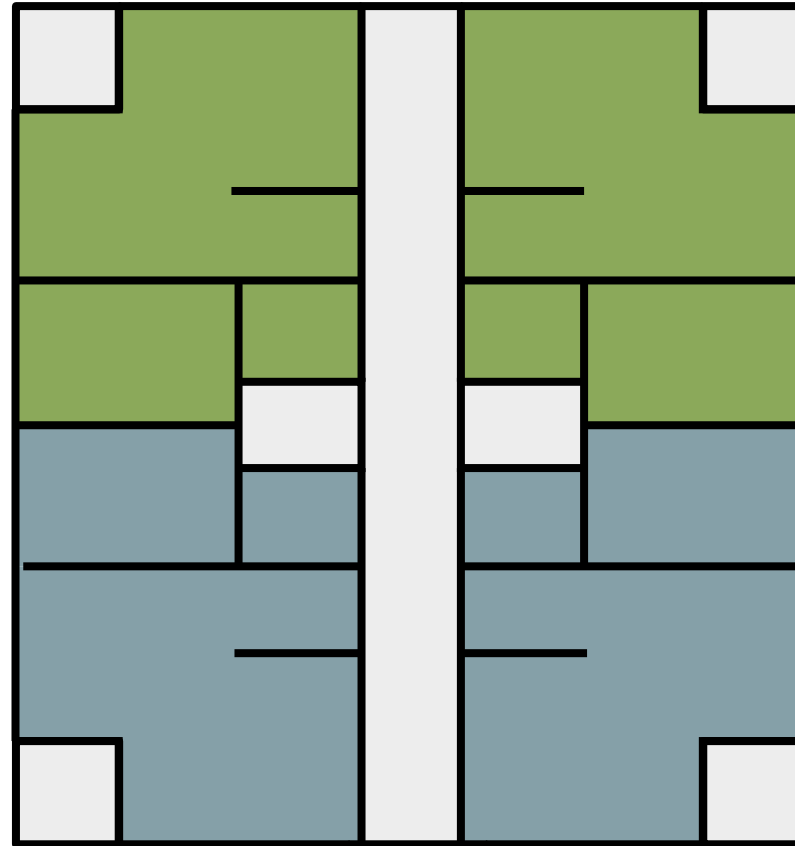
Installation-zone towards the corridor

Living-room at the corners

Bedroom in between

FLOOR PLANS

Layout

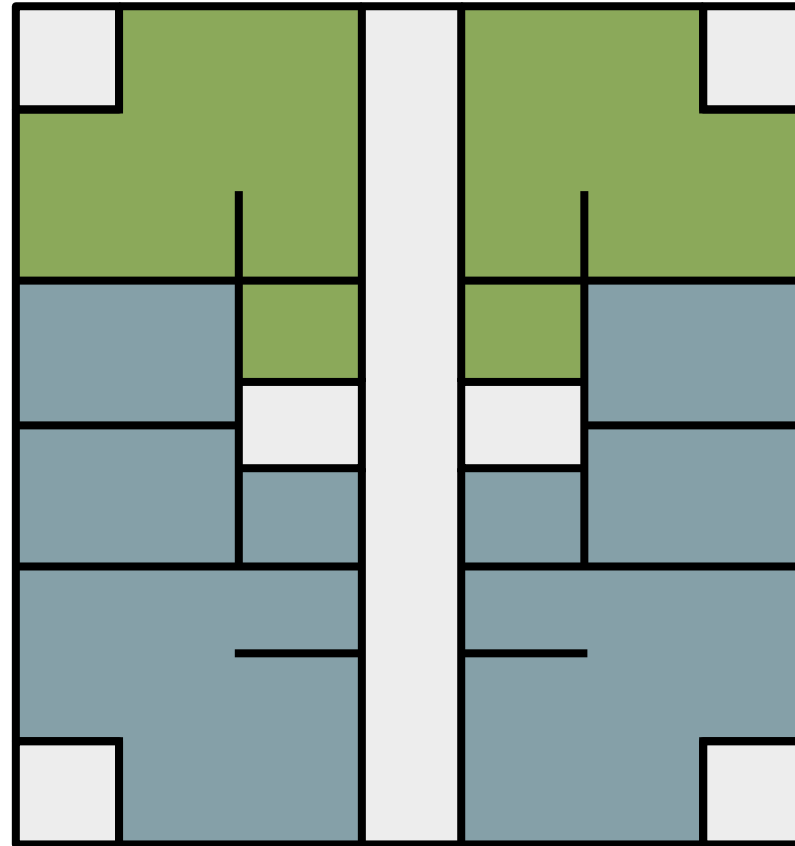


Type floor A

4 x 2 RoK

FLOOR PLANS

Layout



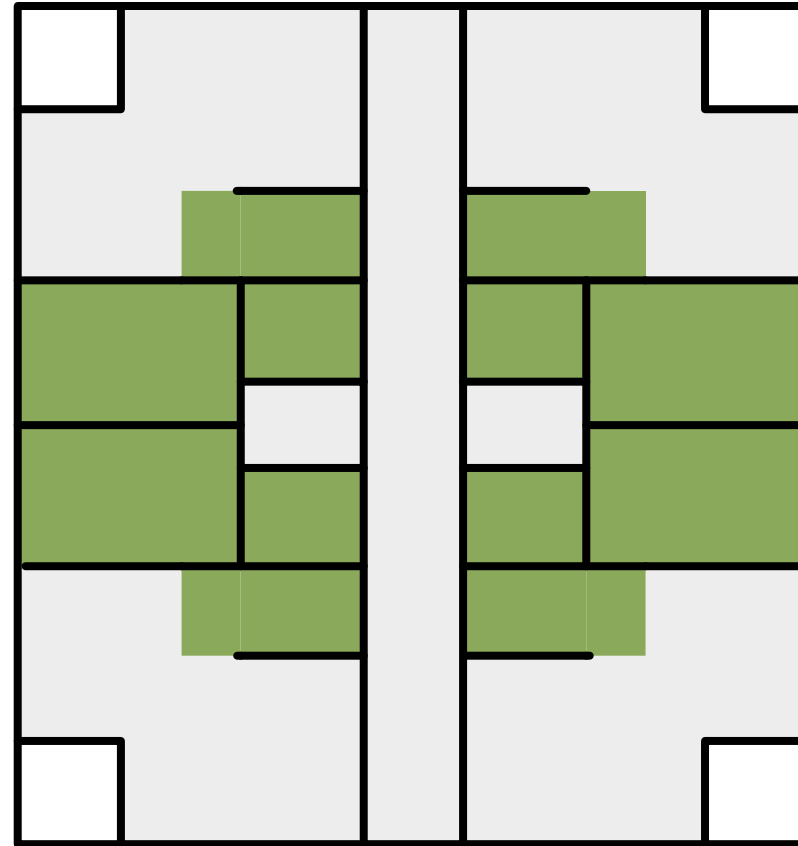
Type floor B

2 x 1 RoK

2 x 3 RoK

FLOOR PLANS

Layout



Comfort & privacy

Short distance between entrance, bathroom and bedroom.

APARTMENTS

1 Room & Kitchen
40 sqm



2 Room & Kitchen
54 sqm



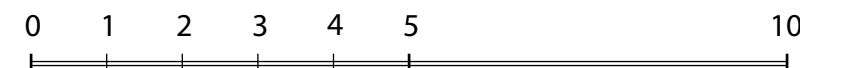
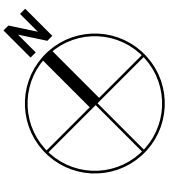
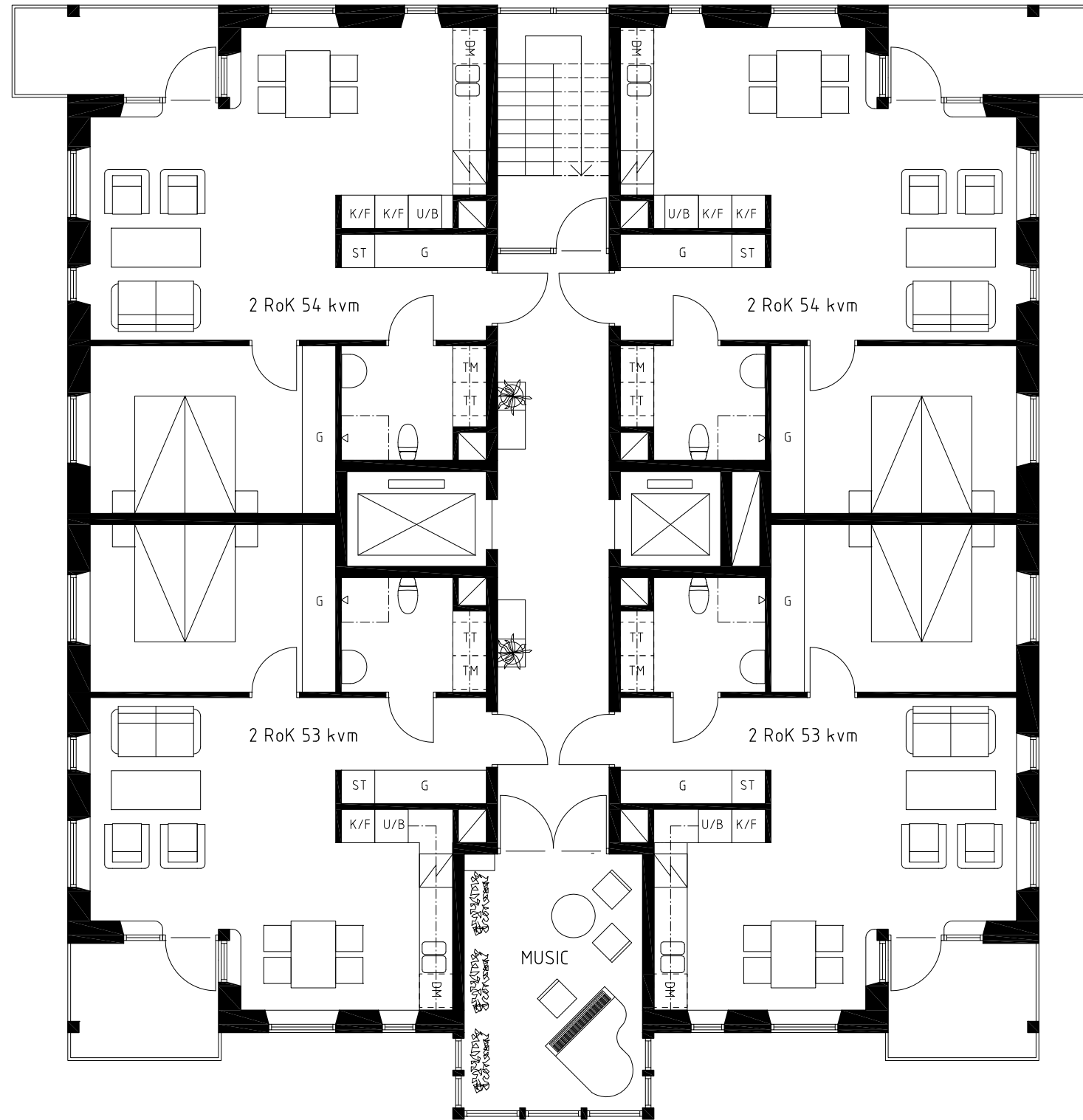
3 Room & Kitchen
68 sqm



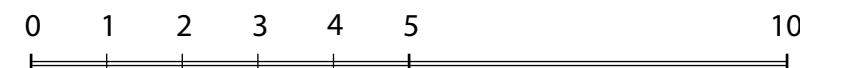
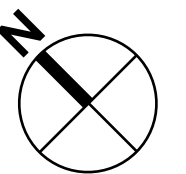
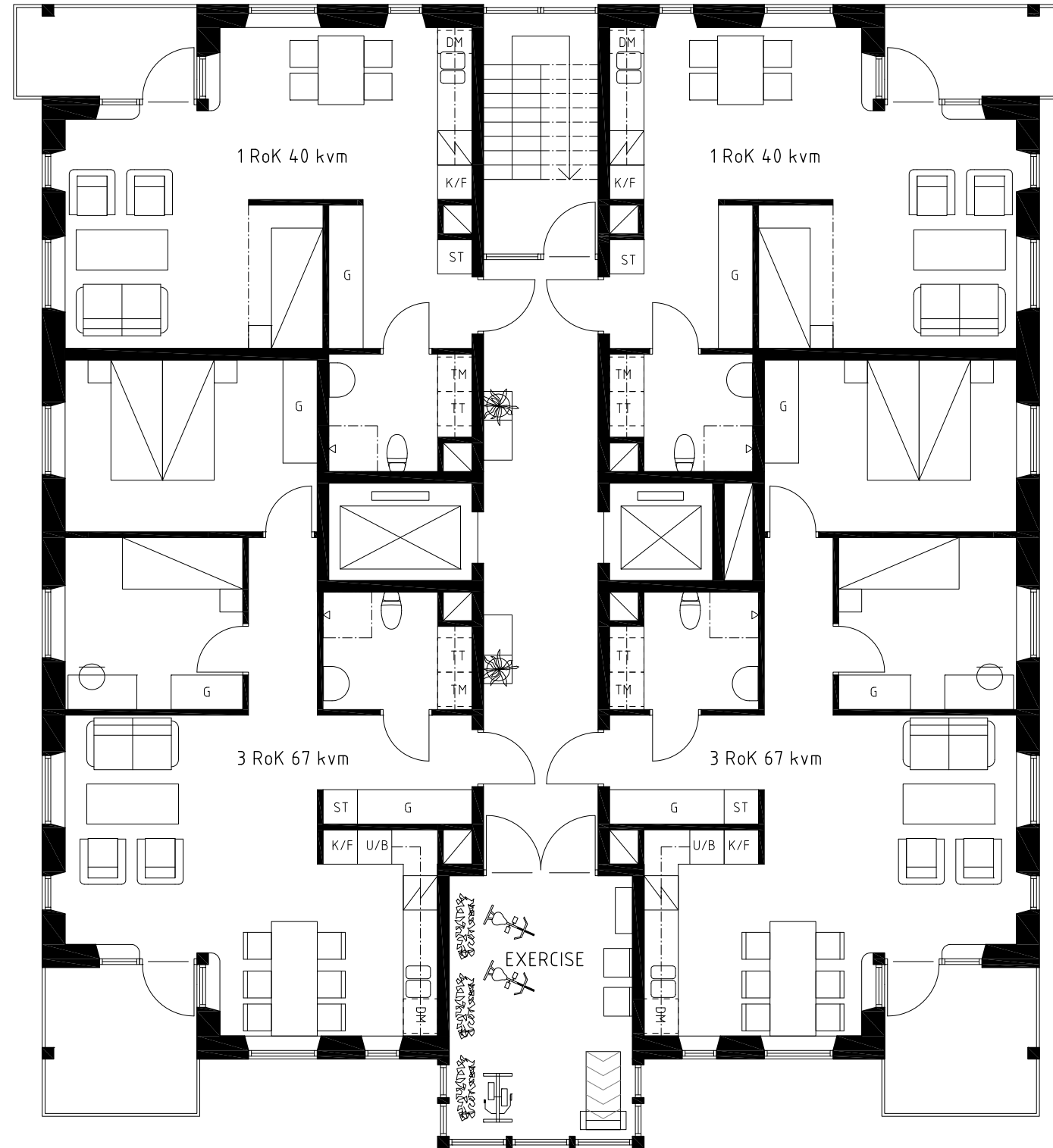
INTERIOR VIEW



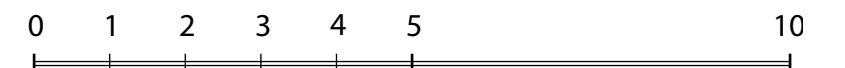
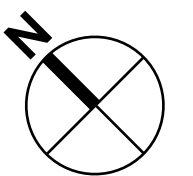
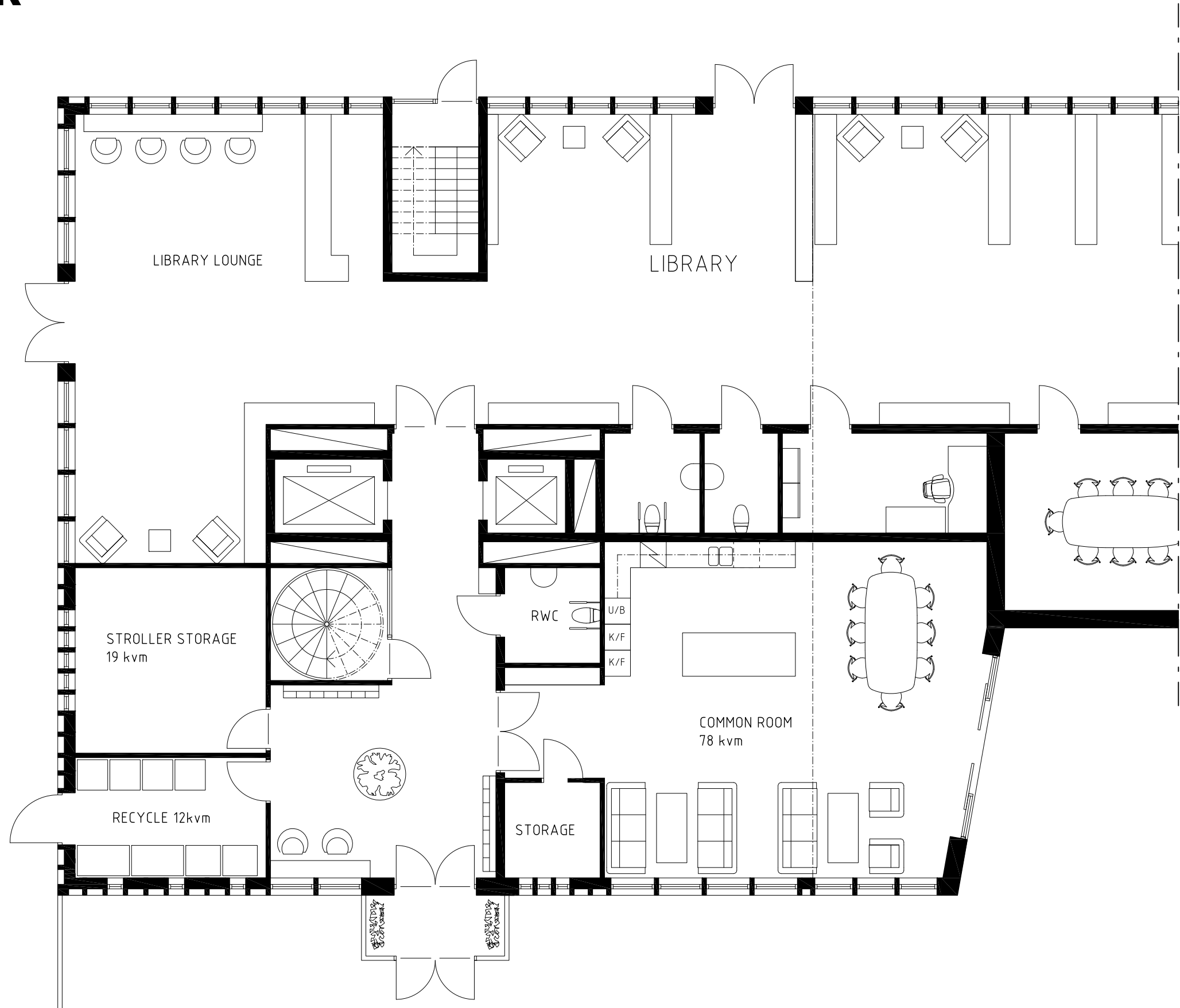
FLOOR PLAN A



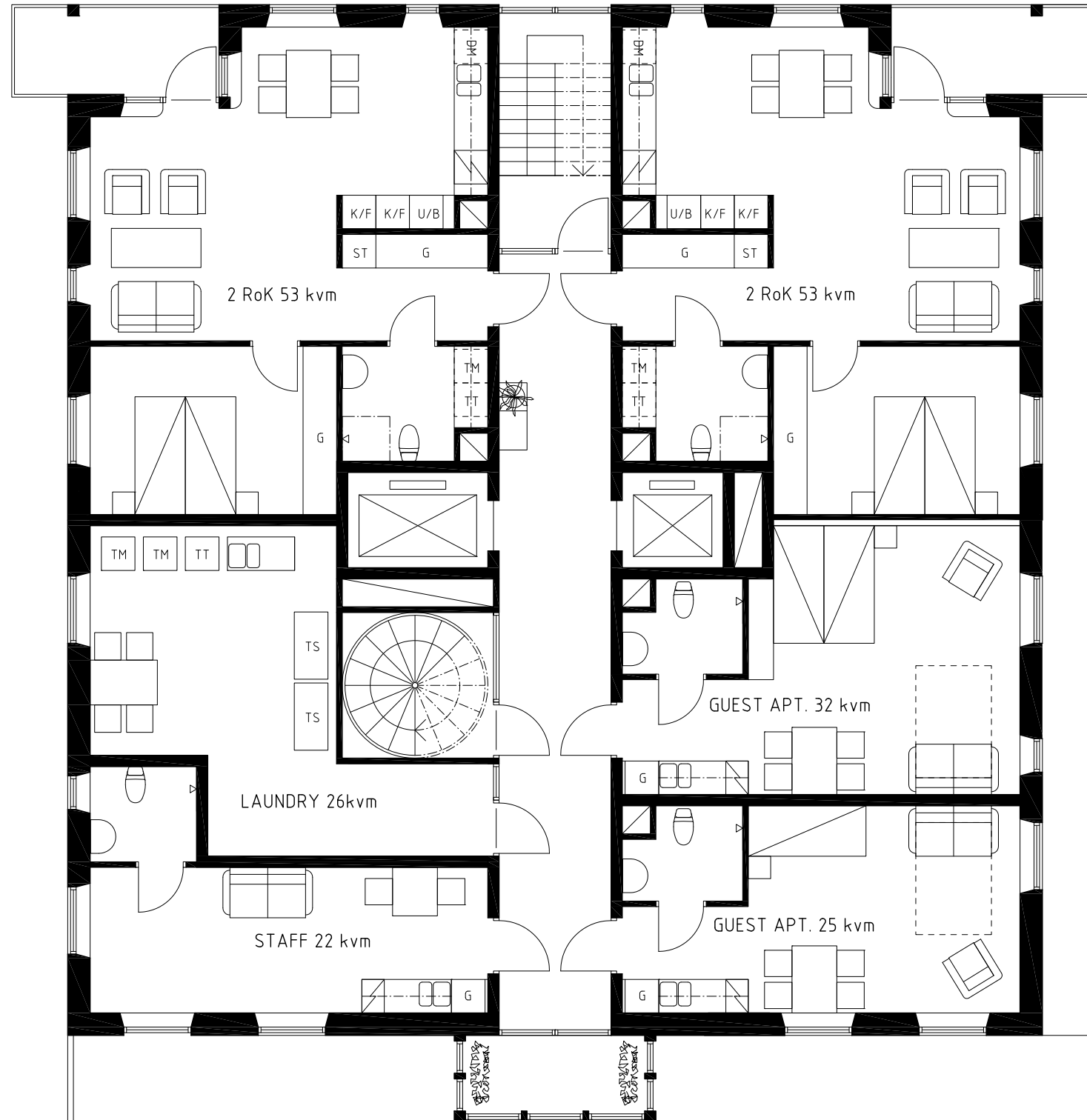
FLOOR PLAN B



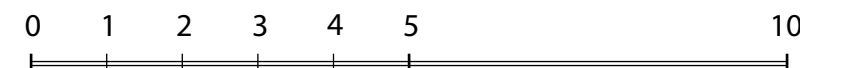
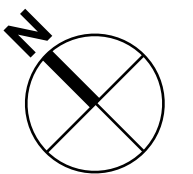
GROUND FLOOR



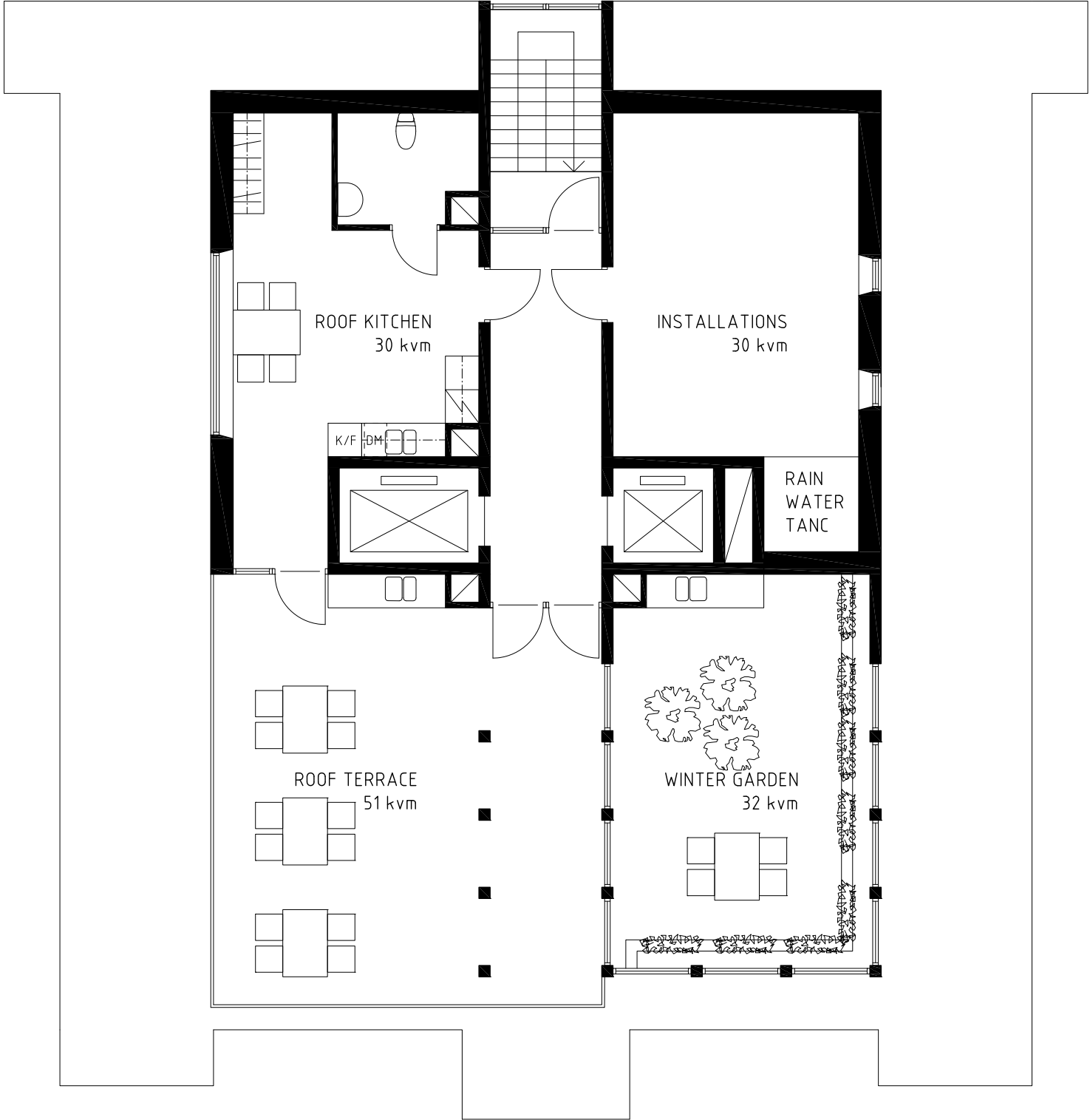
1st FLOOR



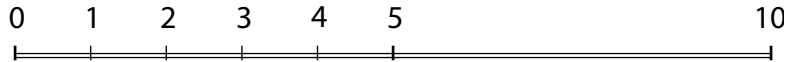
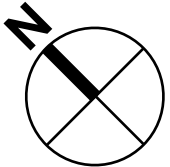
FLOOR 1



TOP FLOOR



TOP FLOOR

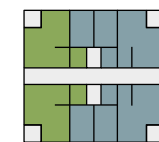
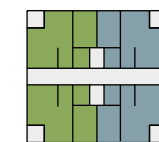


FACADE NW



Detailed view, part of Facade NW

The facade is continuously wooden. Each apartment is highlighted by different depth in the wooden panel creating a dynamic facade with changing shadows and brightness during the day.



FACADE SW

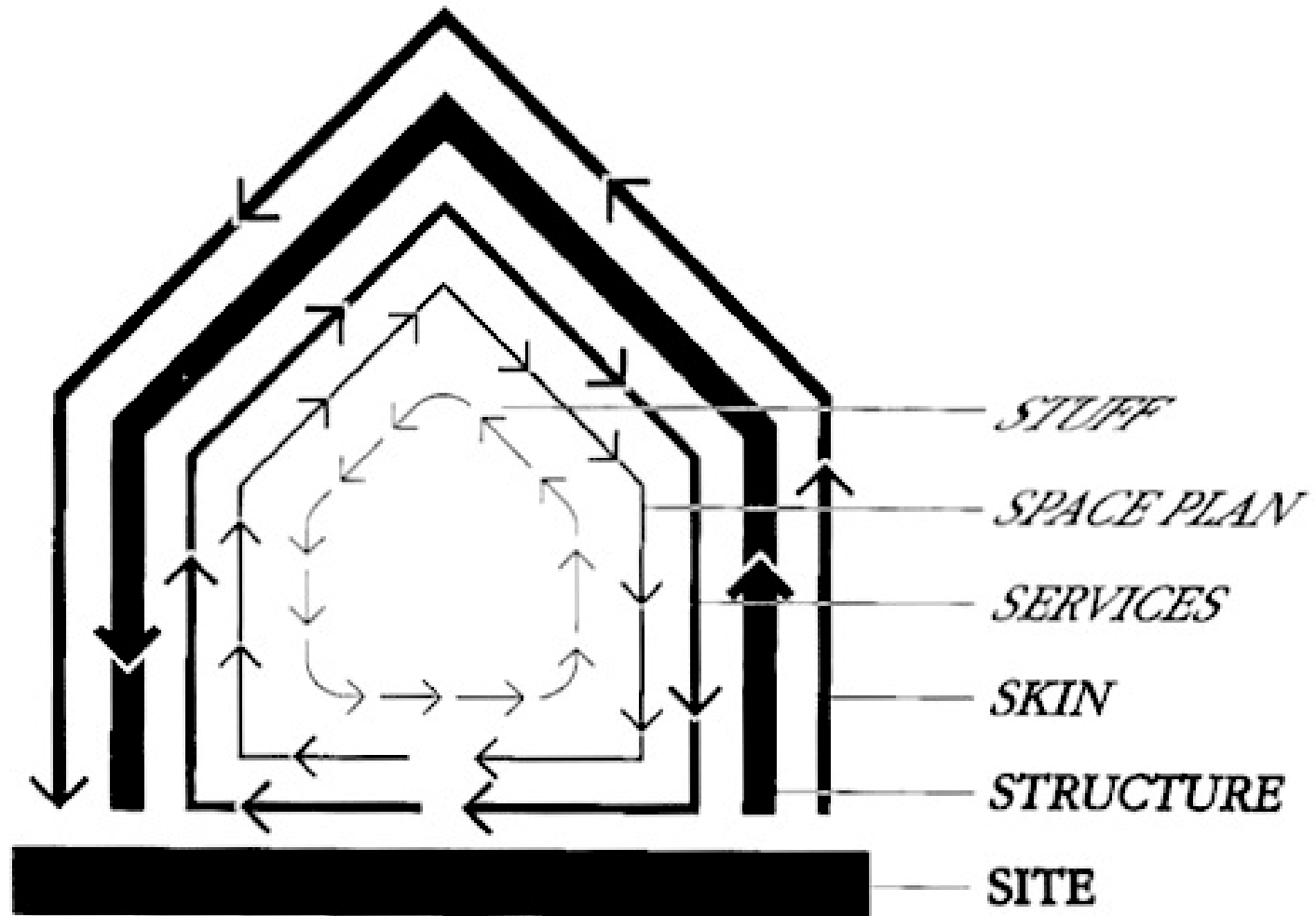


EXTERIOR VIEW



View from the courtyard towards the entrance of Trygghetsboendet.

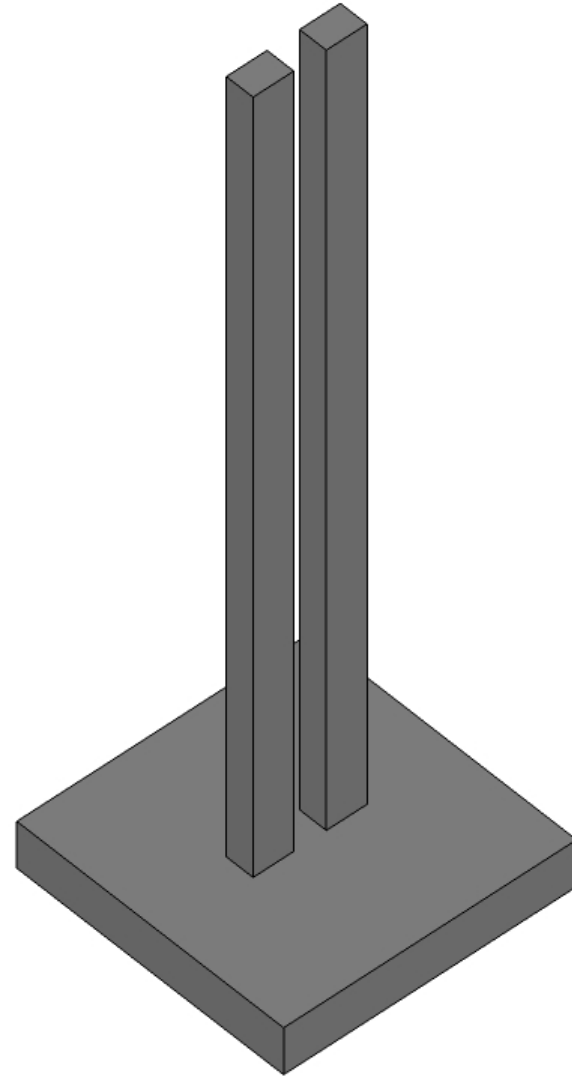
STRUCTURAL SYSTEM



Lifespan of different building parts

From: How Buildings Learn (Brand 1994)

STRUCTURAL SYSTEM



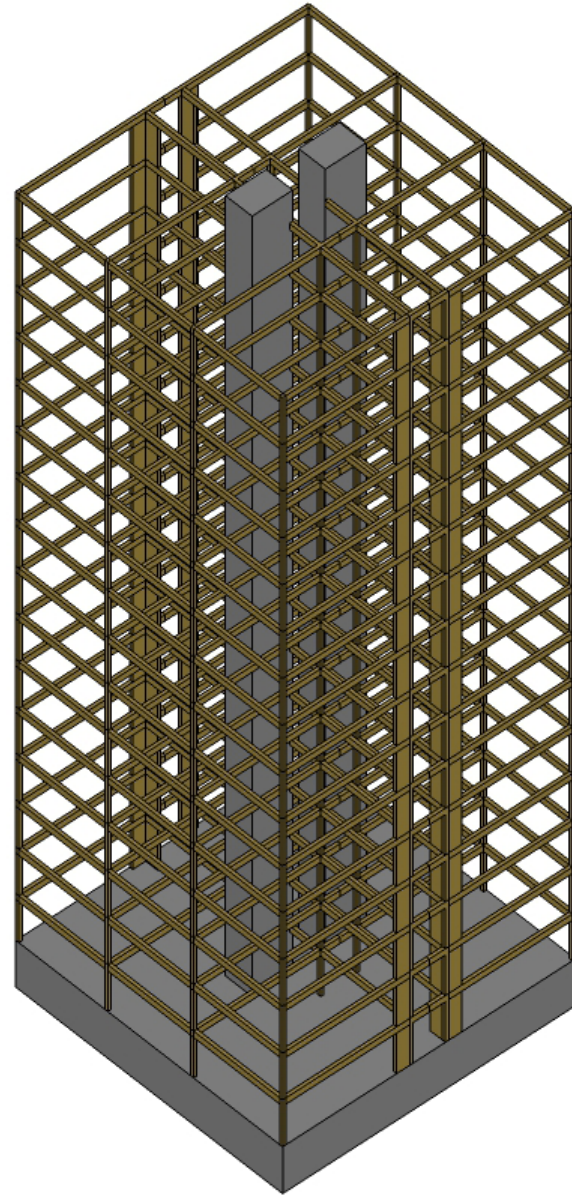
Concrete basement for high weight and watertightness.

Concrete core for stability and fire protection.

STRUCTURAL SYSTEM

Wood

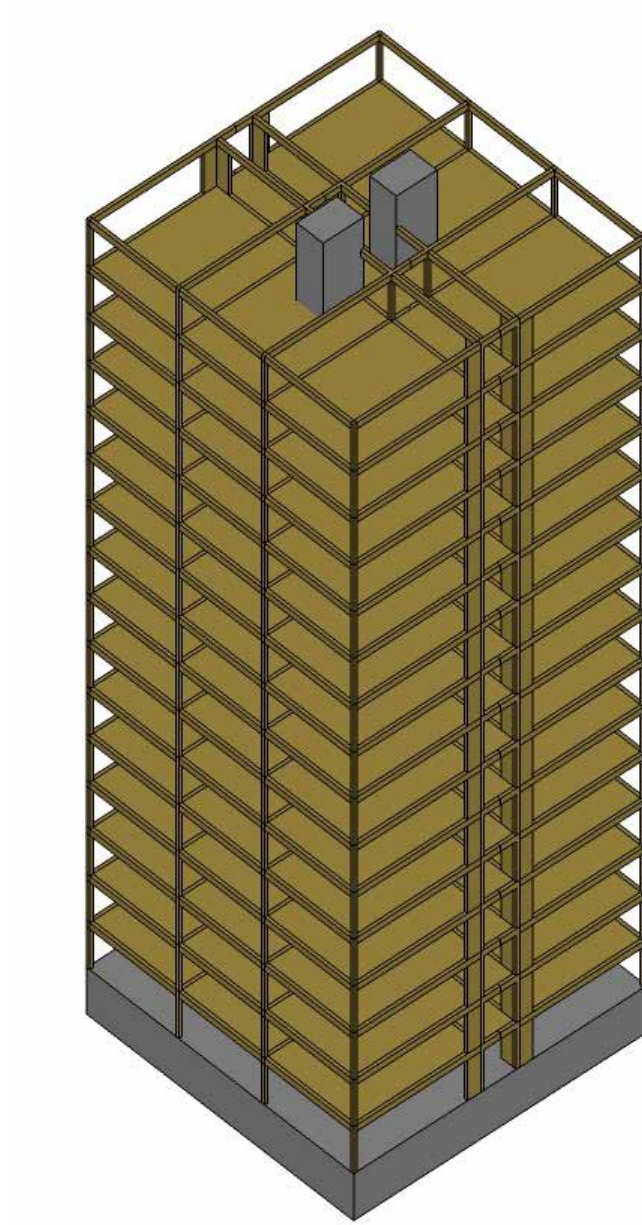
- +Natural and healthy material
- +Environmentally sustainable
- +Prefabricated elements
- +Rational building process
- +Cost effective



Wooden post and beam structure.

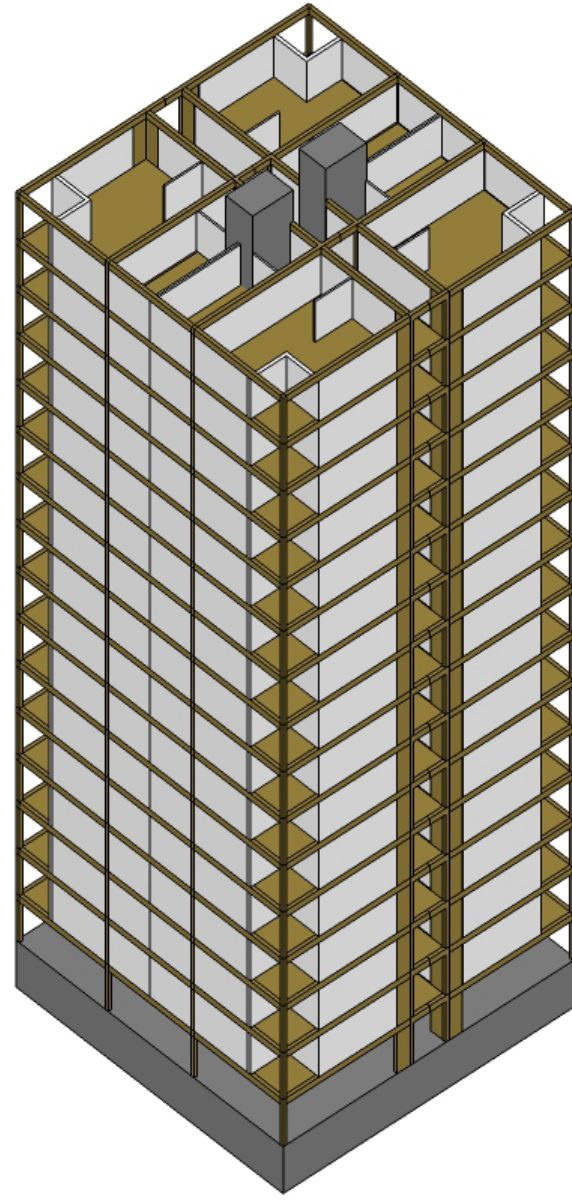
Lightweight and fast assembly.

STRUCTURAL SYSTEM



Wooden floors

STRUCTURAL SYSTEM



In-fill internal and external walls
for long term flexibility

SUMMARY IN NUMBERS

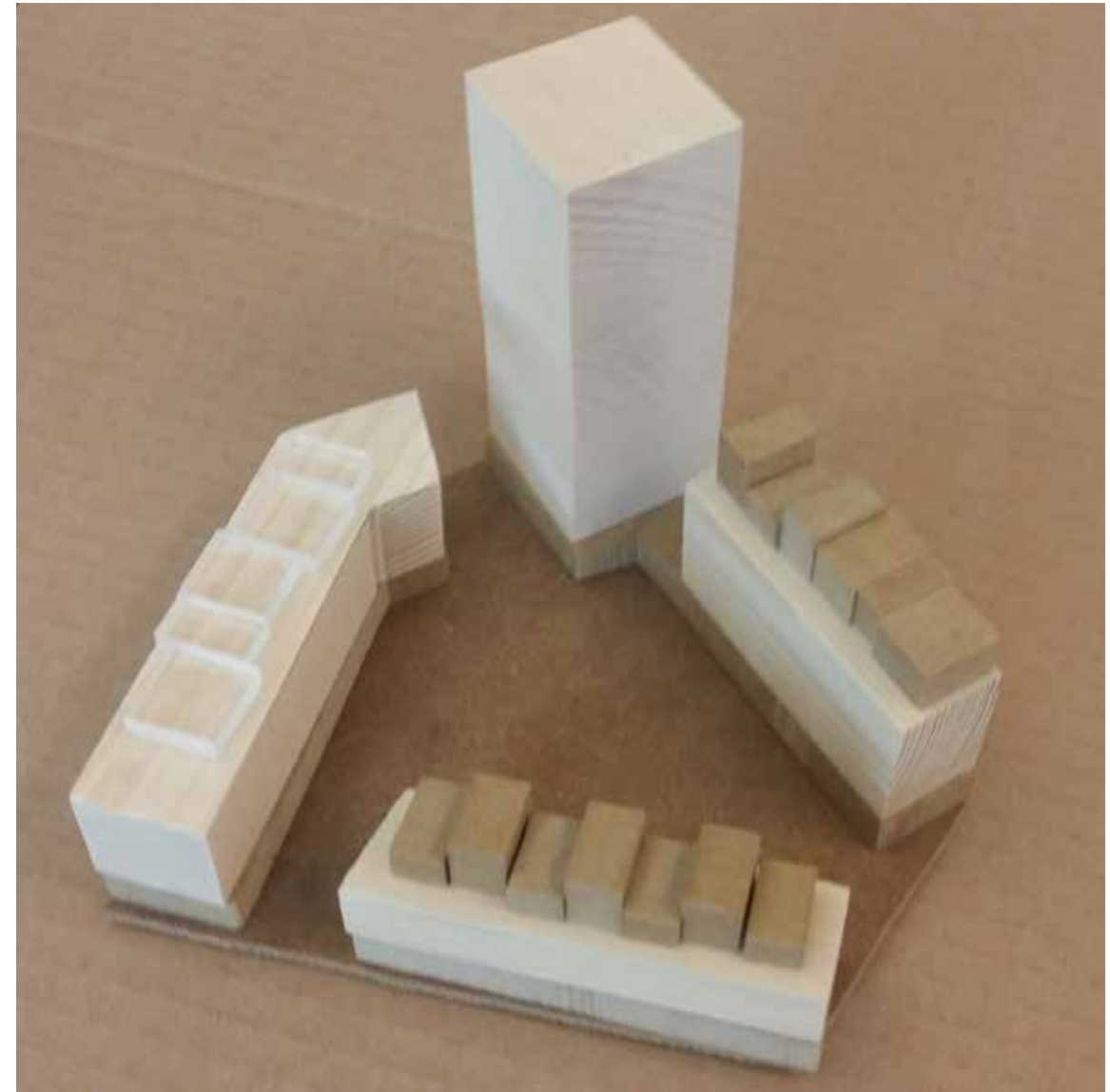
Block

Site	~4150 sqm
BTA Trygghetsboende	~4540
BTA tot	~14500
FAR	~3,5

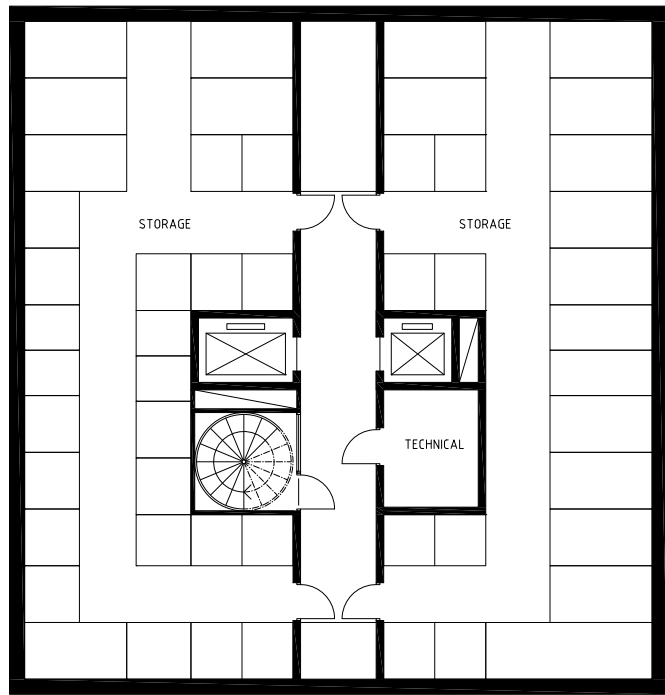
Trygghetsboende

14 x 1 RoK, 40 sqm
26 x 2 RoK, 53/54 sqm
14x 3 Rok, 67/68 sqm
Total: 54 Apartments + 2 Guest apartments

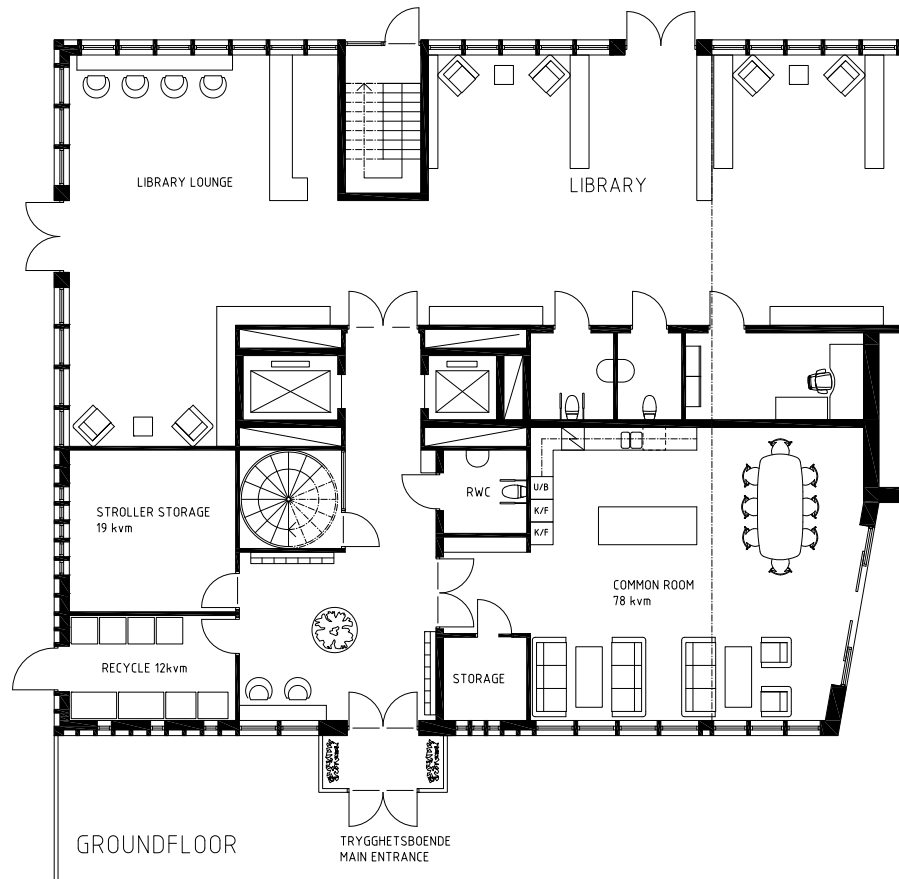
Common spaces 207 sqm= 3,8 sqm/ apartment



SUMMARY OF FLOOR PLANS

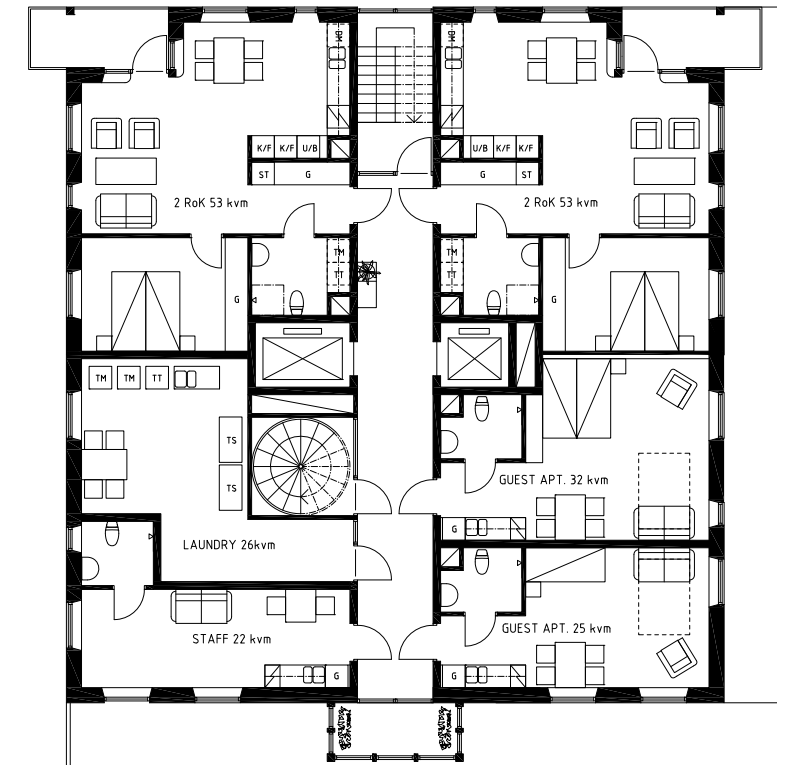


BASEMENT

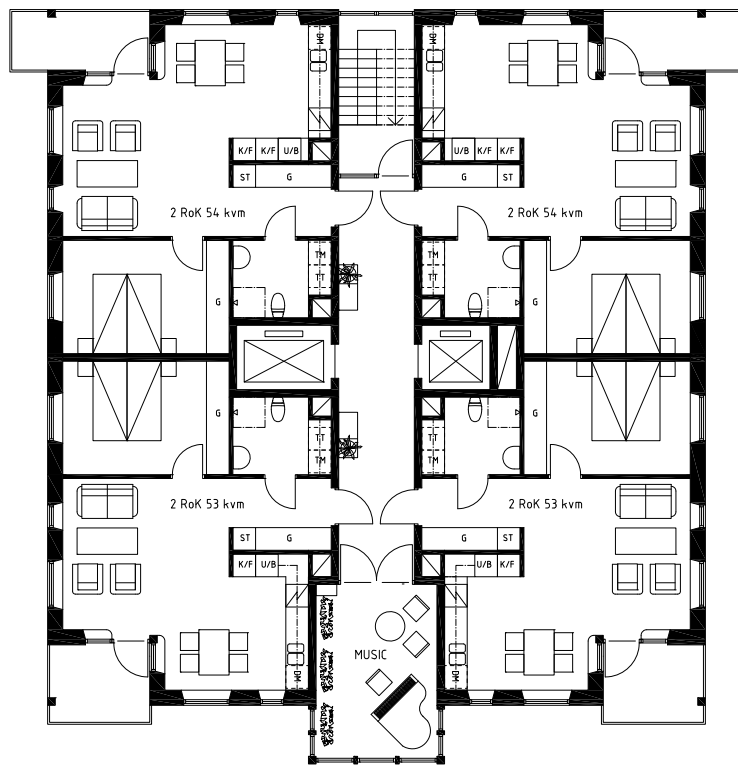


GROUND FLOOR

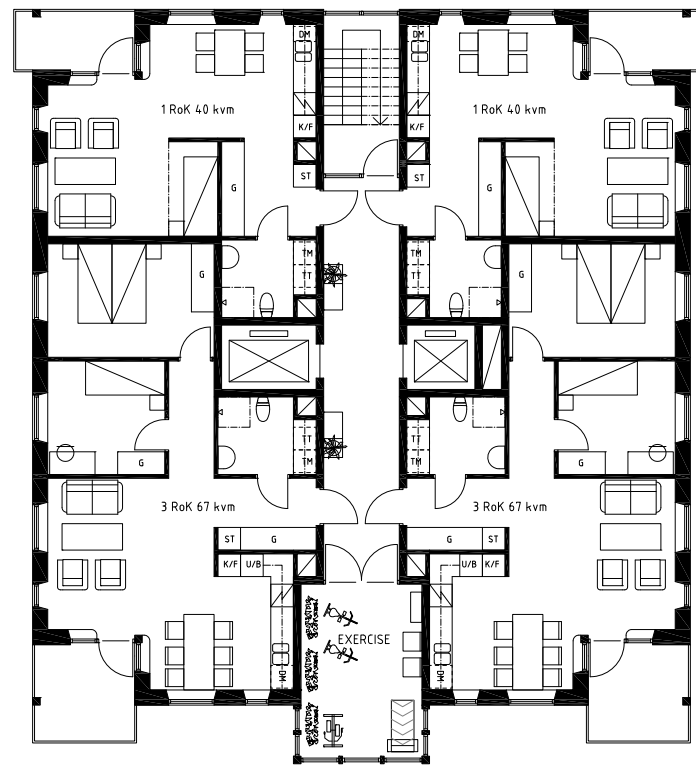
TRYGGHETSBOENDE
MAIN ENTRANCE



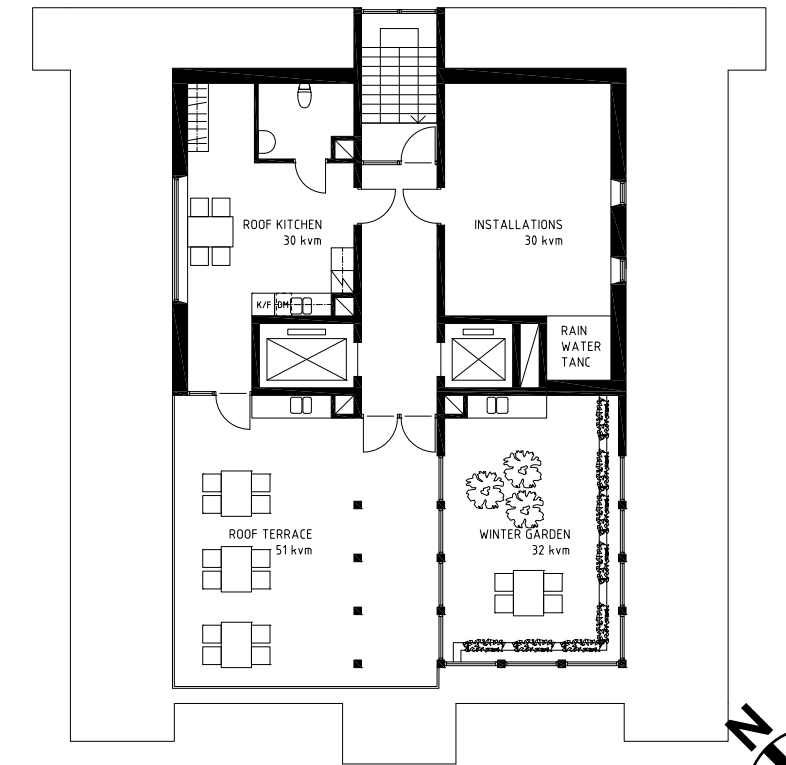
FLOOR 1



TYPE FLOOR A



TYPE FLOOR B



TOP FLOOR

