AN ADAPTABLE URBAN TIMBER BUILDING

AHO studio 2014

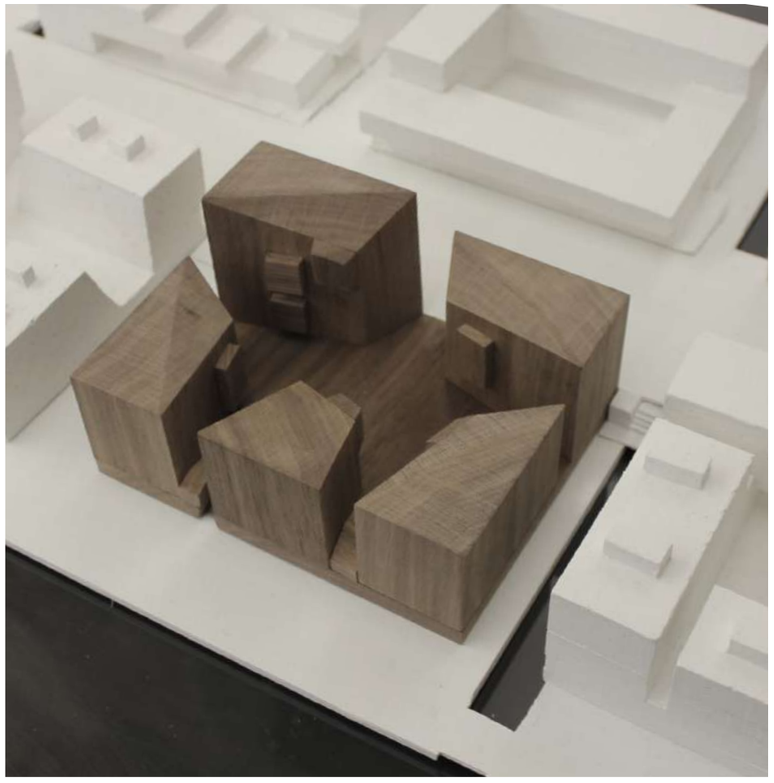
GRO KRUGER MARTE GULDVIK OLE FREDRIK KLEIVENE

DOWNTOWN | **TIMBER** AHO diploma 2015

GRO KRUGER MARTE GULDVIK OLE FREDRIK KLEIVENE

THE INFILL

THE SUPERSTRUCTURE



THE QUARTER

DOWNTOWN | TIMBER

AHO diploma 2015

THE SUPERSTRUCTURE

DRONNING MAUDS GATE 11-12

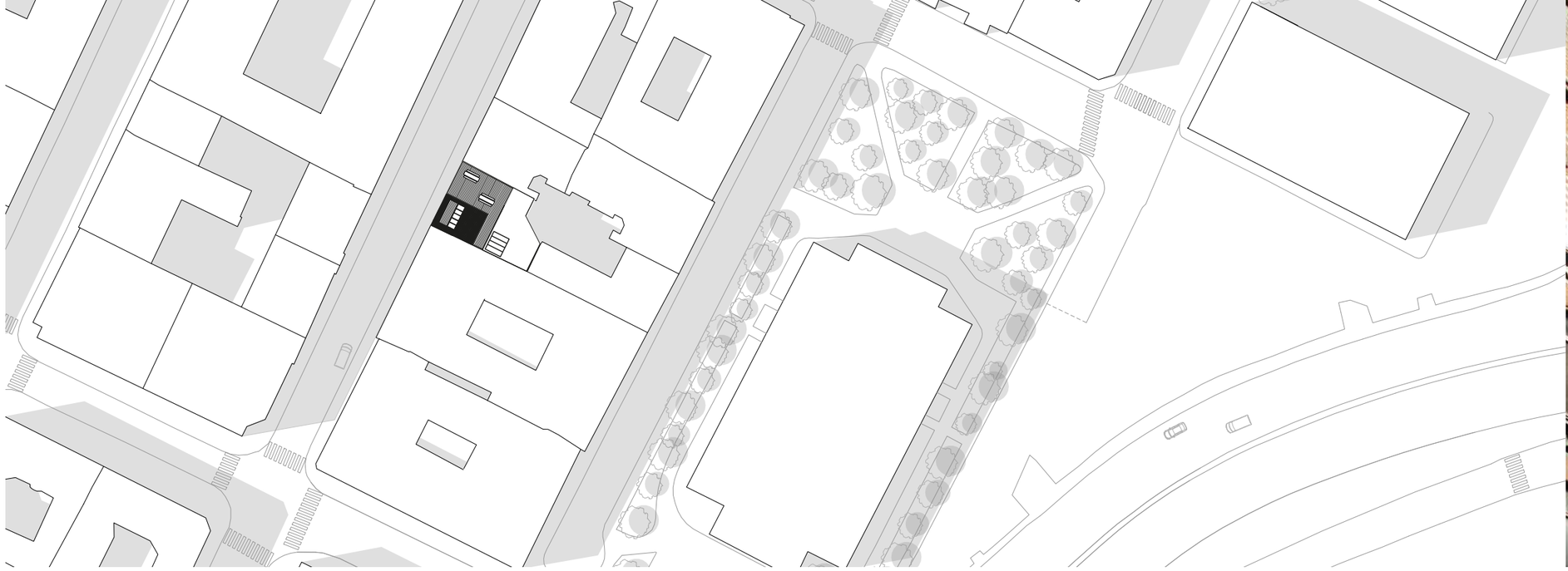
THE INFILL

SKIPPERGATA 12

THE QUARTER

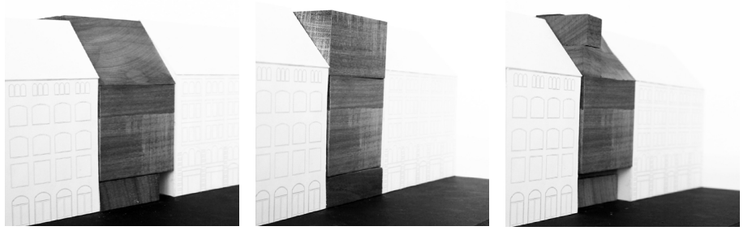
SØRENGA byggetrinn 1

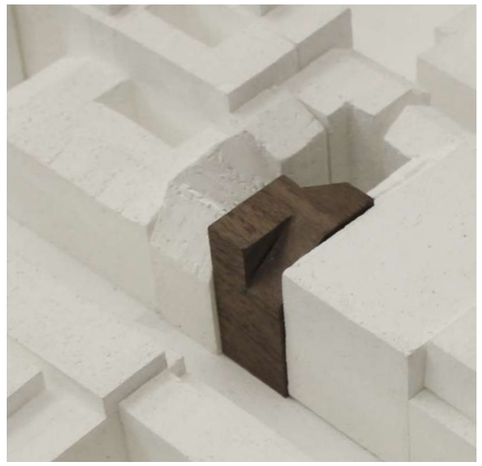
SITE PLAN OSLO



THE INFILL | SKIPPERGATA 12

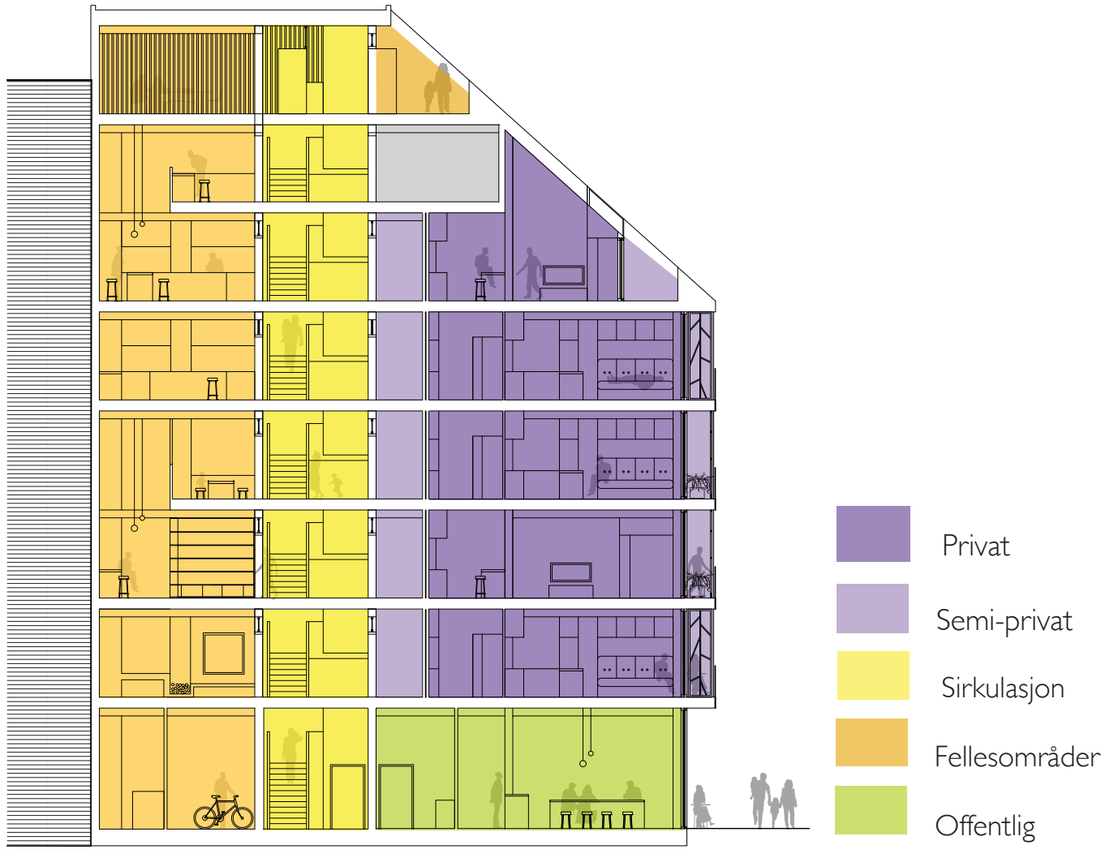
SKETCH MODELS

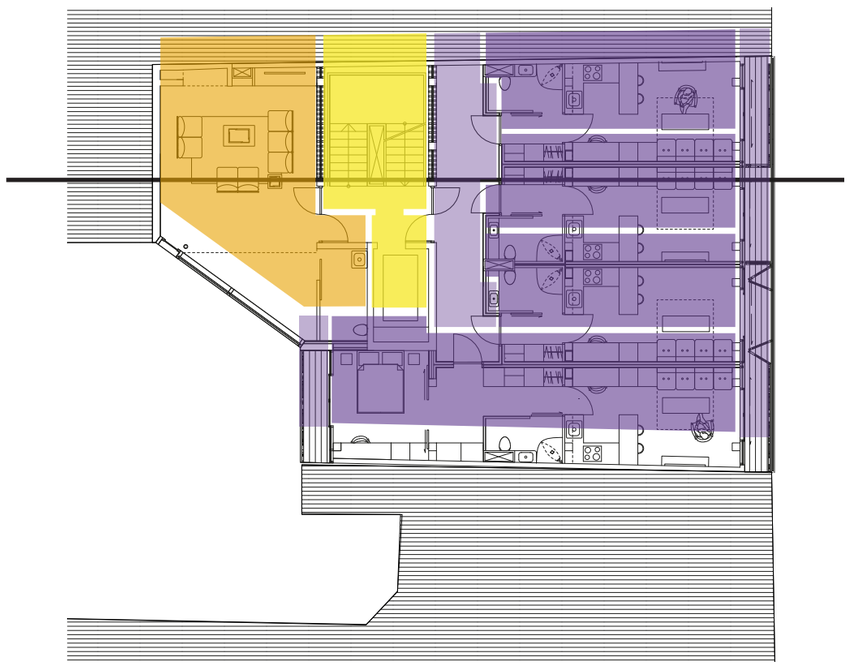




elevation towards skippergata 0 m 5 m

Skippergata 12
Area: 969 m2
Program:
Co-housing, Laundromat



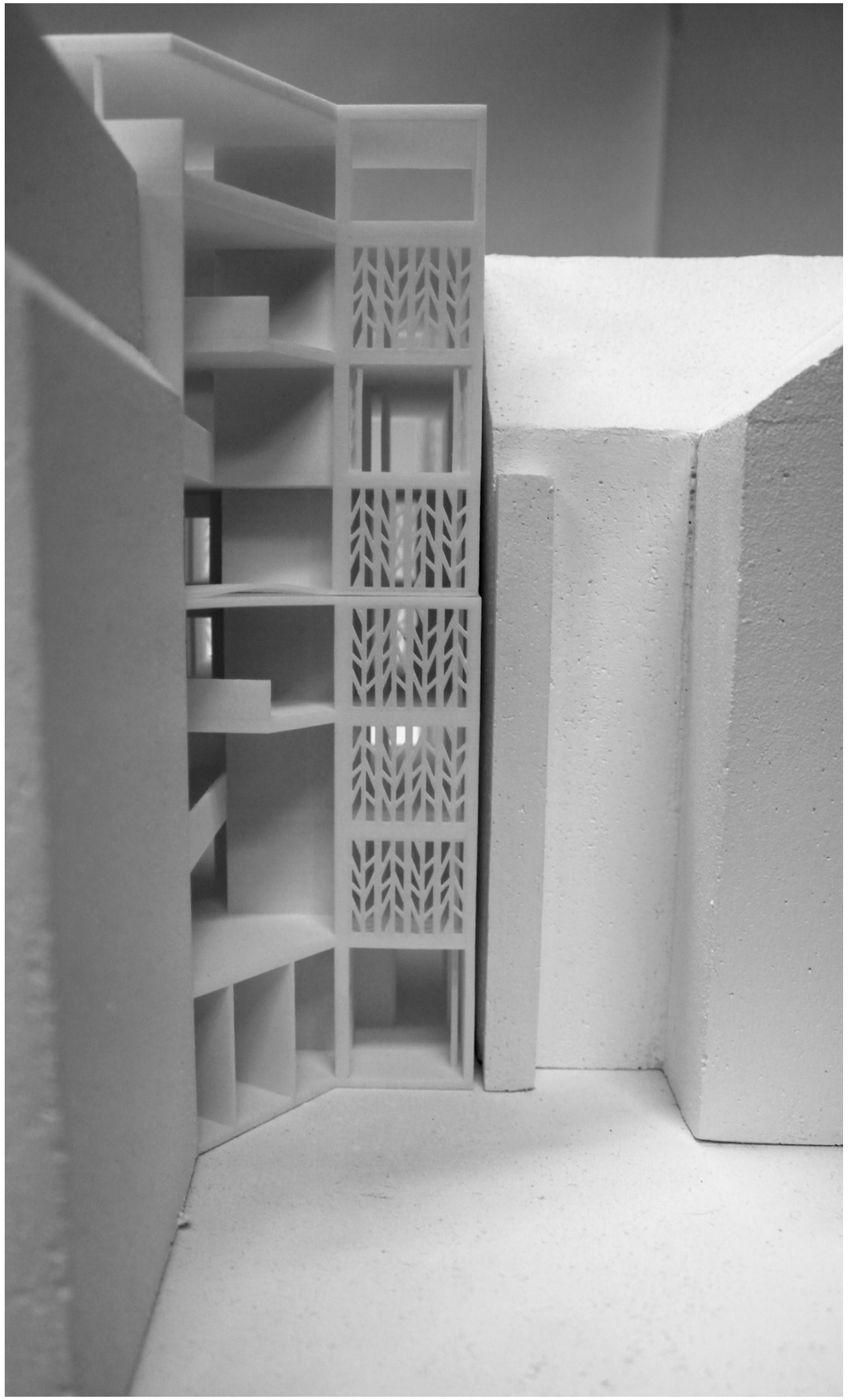


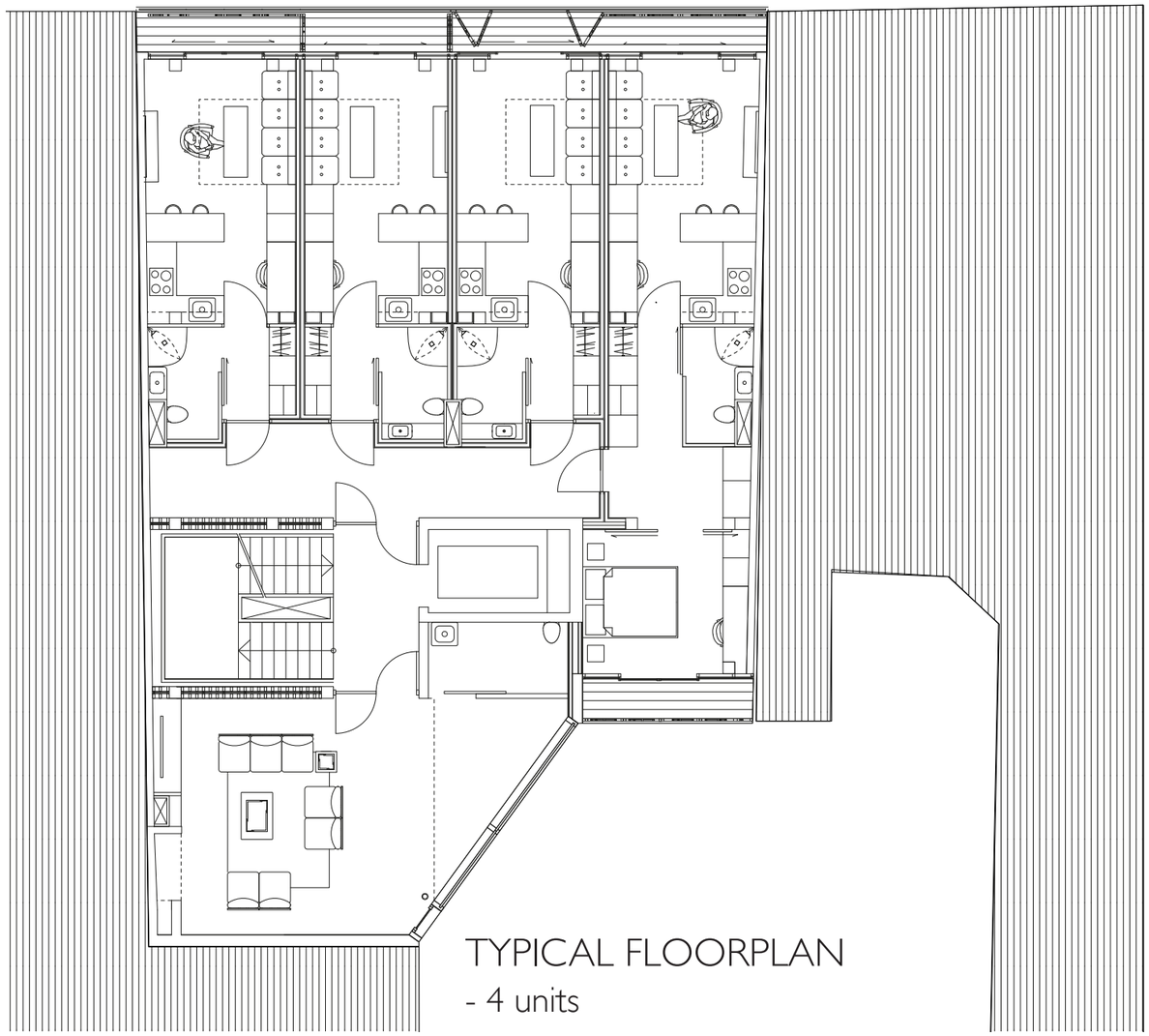
PROGRAM

Fellesområder:
2.etg: stue 36m2
3. etg (mezzanin): bibliotek 30 m2
4. etg (mezzanin): lekerom 15m2
5. etg: kjøkken/spisestue 36m2
6. etg (mezzanin): kjøkken/spisestue
7. etg (mezzanin) kjøkken/spisestue
8. etg: Vinterhage og takterasse

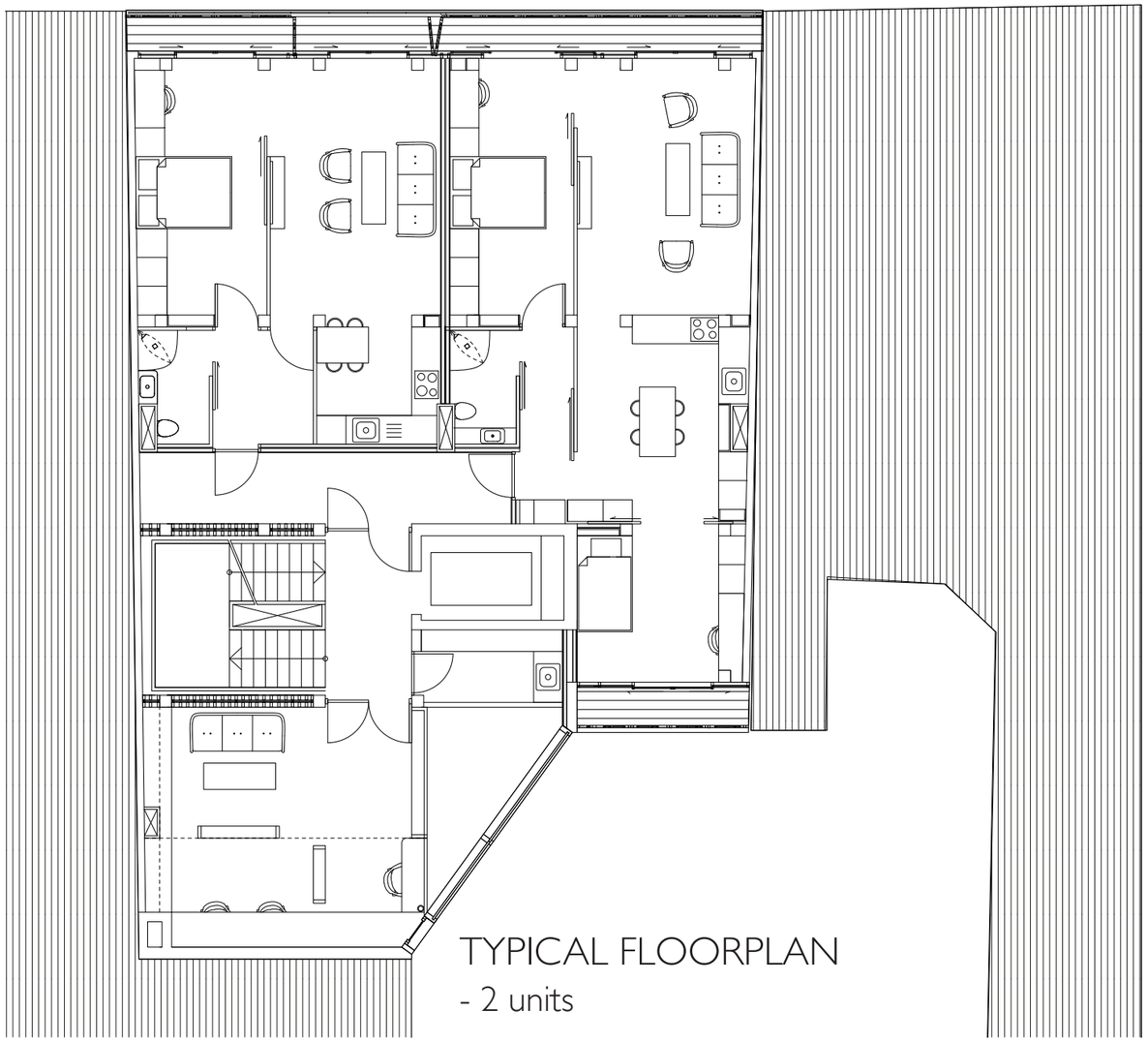
Boenheter:
9 × 23.5 m2 ettromsleiligheter
1 × 40 m2 toromsleilighet
3 × 42 m2 toromsleiligheter
1 × 51 m2 toromsleiligheter
3 × 70 m2 treromsleiligheter

Grunnplan:
Kafé og vaskeri 95 m2





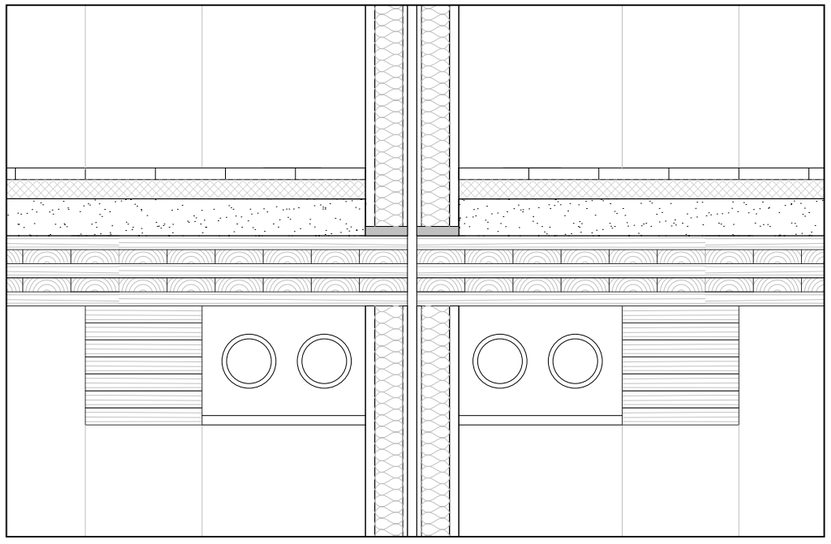
TYPICAL FLOORPLAN
- 4 units



TYPICAL FLOORPLAN
- 2 units

-horisontal sound transmission is prevented by an 20 mm airgap between cantilevering floorslabs

-vertical sound transmission is prevented by adding weight to the slabs



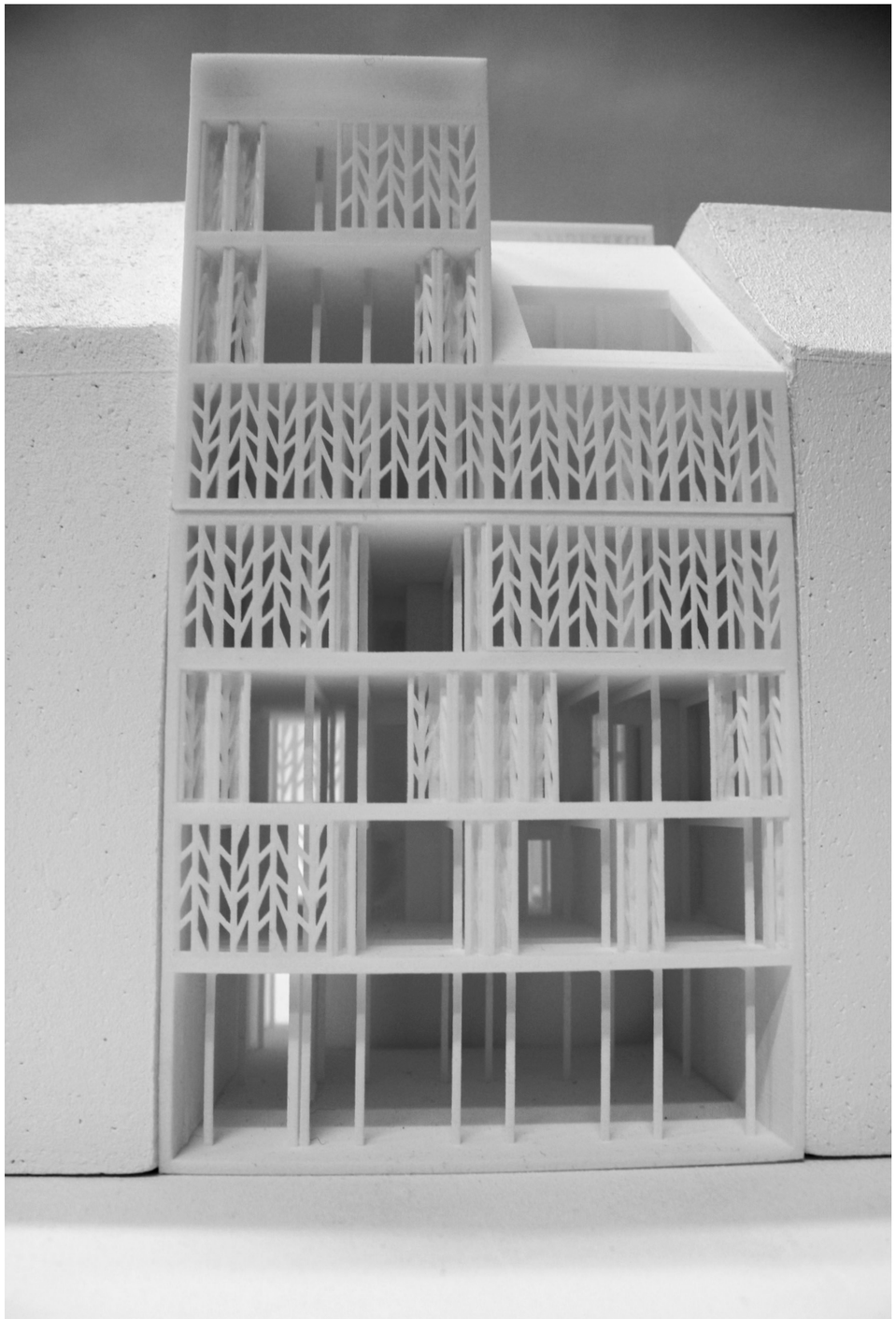
VEGG
20 mm gipsplate
70 mm isolasjon
finerplate
20 mm luftslisse

GULV
20 mm parkett
40 mm trinnlydsmatte
folie
80 mm pukk
160 mm limtredekker

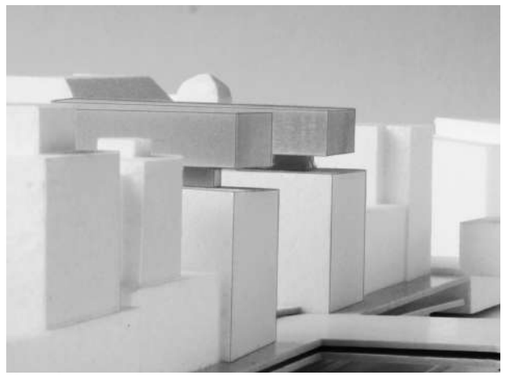
KONSTRUKSJON

250 mm limtrebjelker

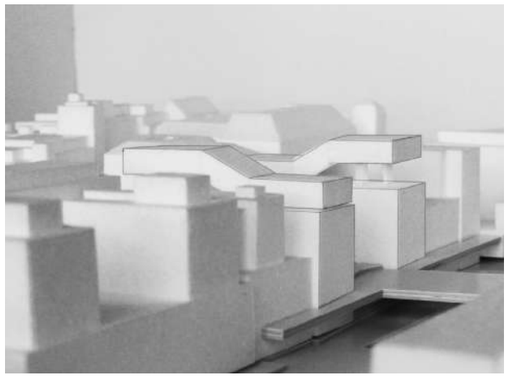
250 mm limtresøyler

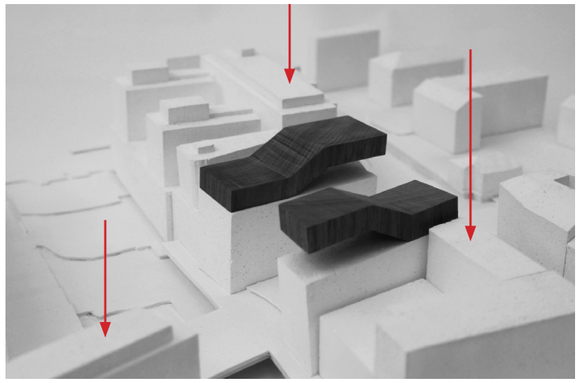


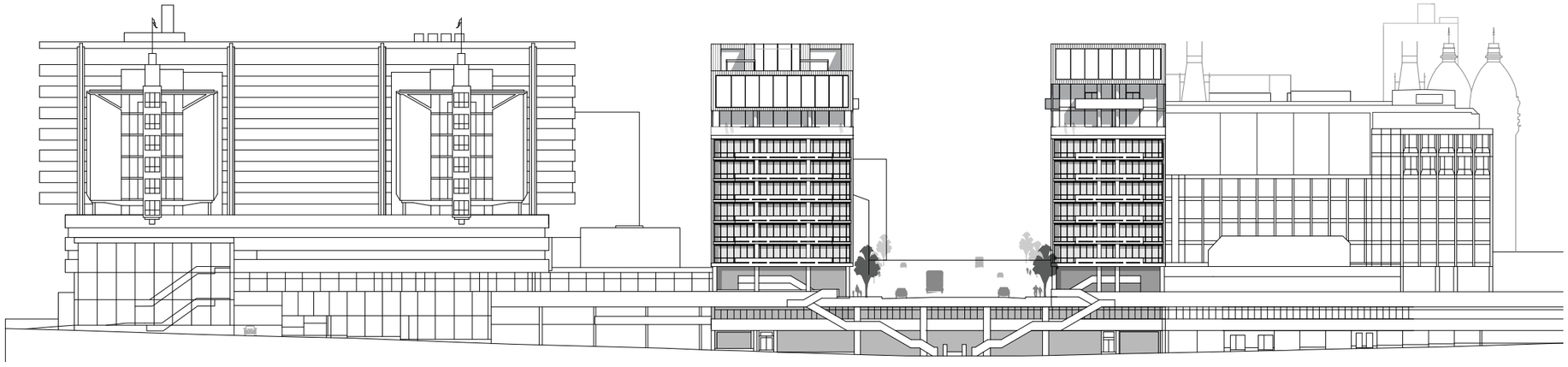
THE SUPERSTRUCTURE | DRONNING MAUDS GT 10-11


Sketch model 1

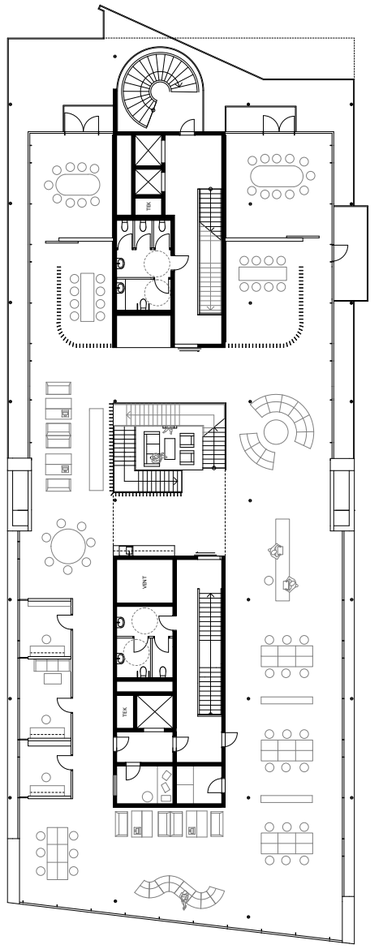

Sketch model 2

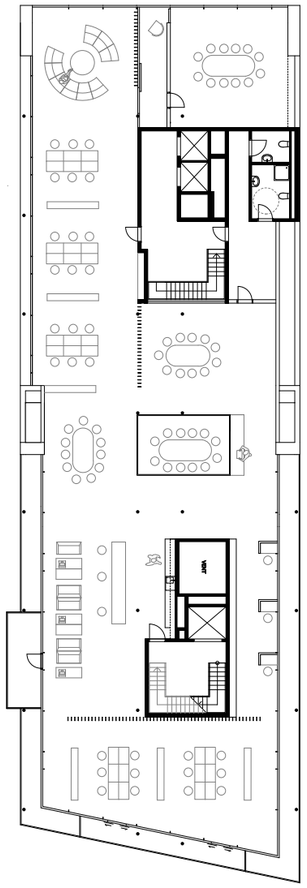

Final suggestion





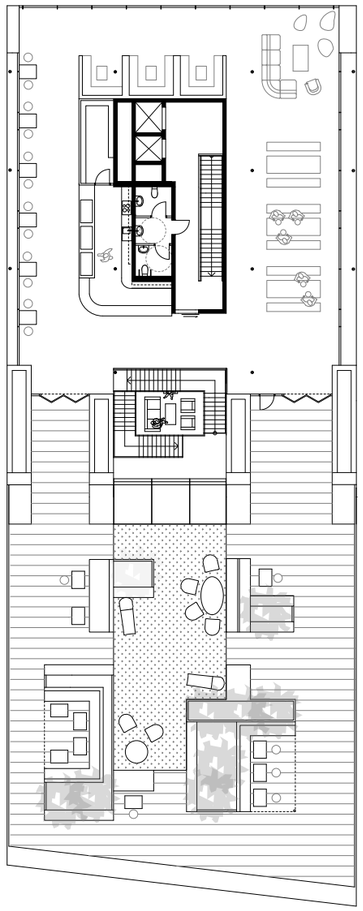
Dronning Mauds gate 11 og 12
Area: 4500 m2
Program: Office

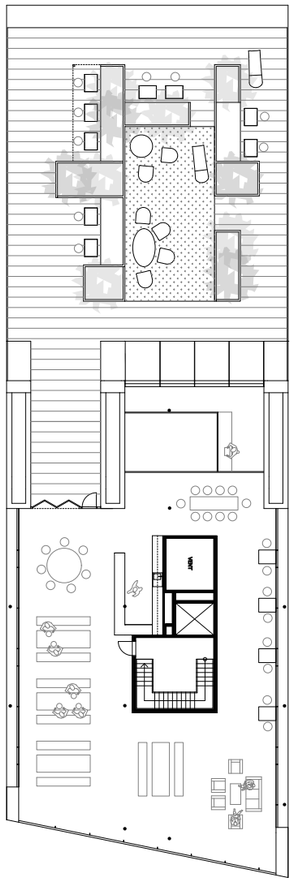




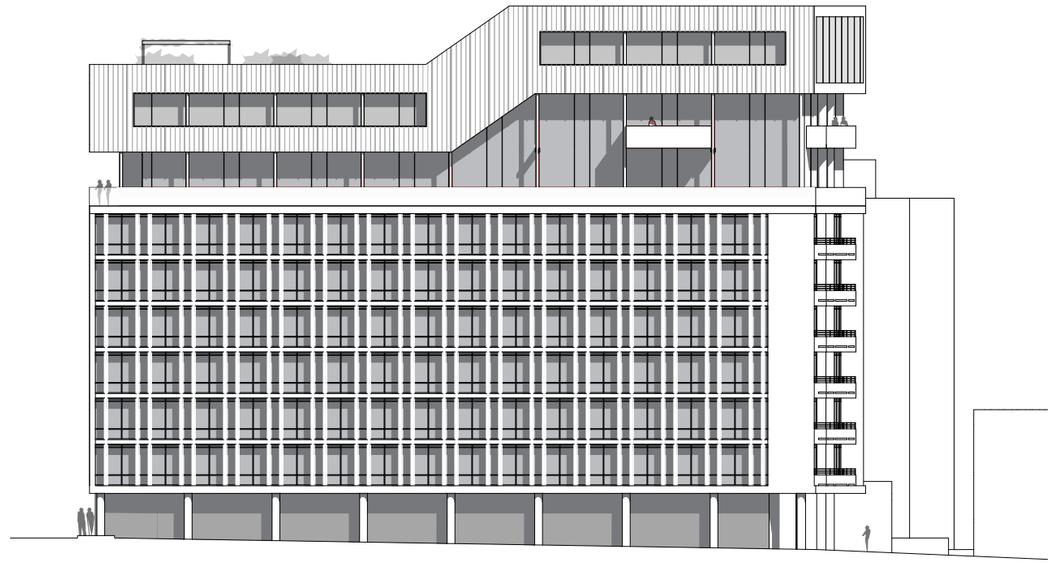
5
m Plans 2. floor Dronning Mauds gate 10

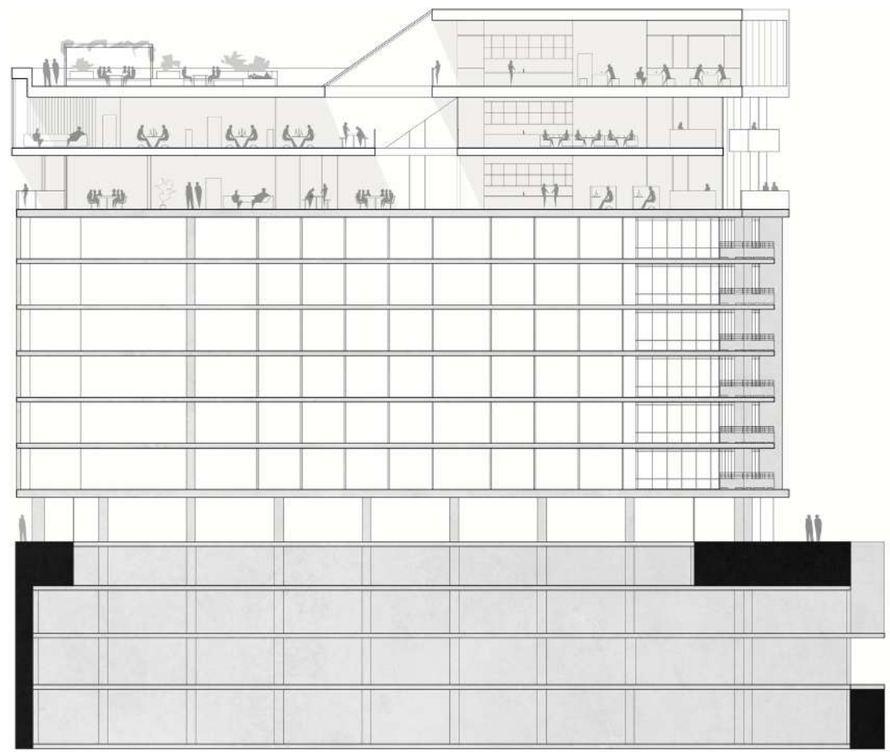
Dronning Mauds gate 11

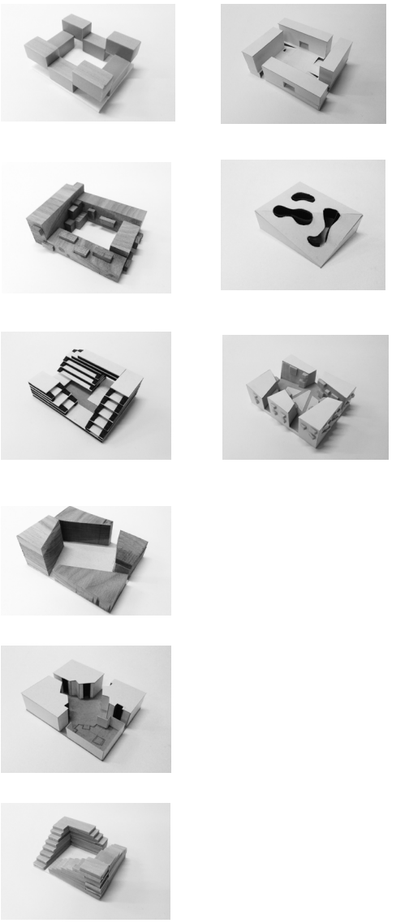


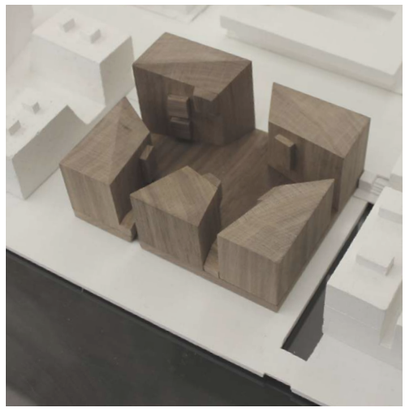


Dronning Mauds gate 11





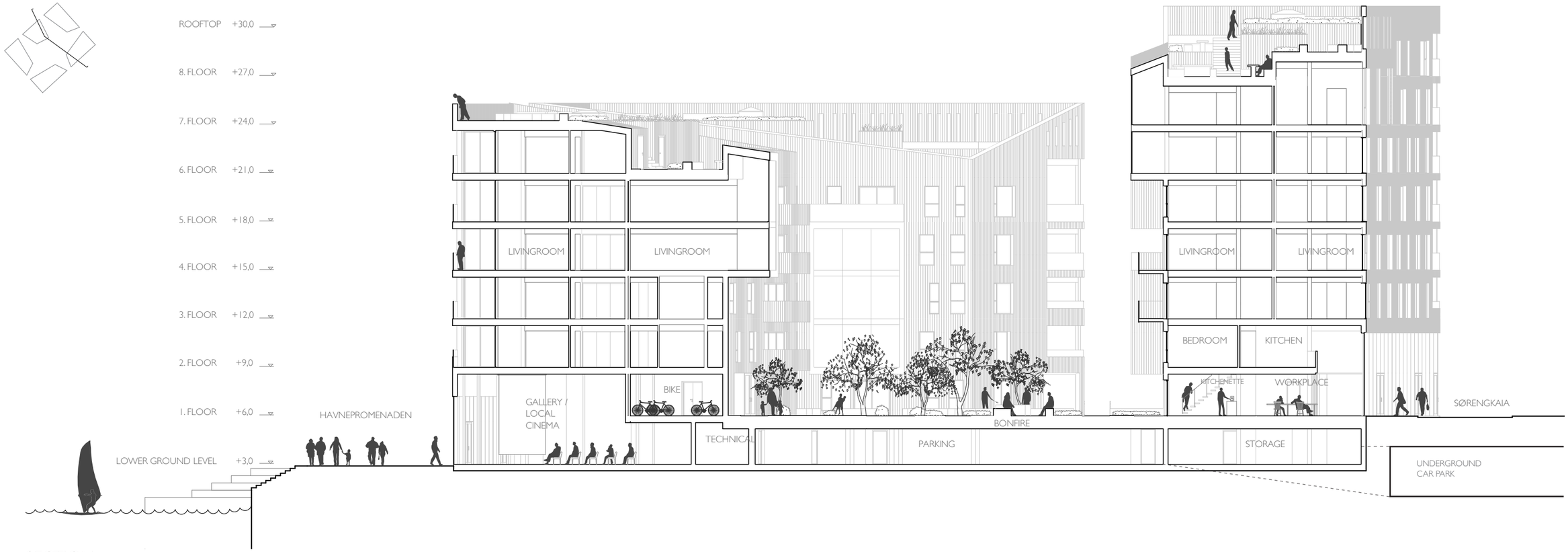




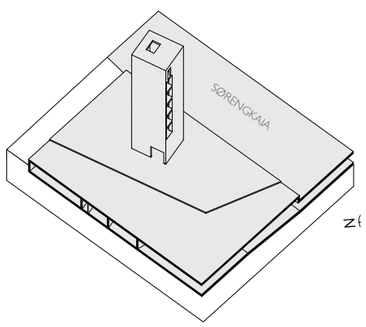
Sørengkaia 81-119, byggetrinn 1
Area: 14 000 m2
Program: Dwellings, Space for commercial use

THE QUARTER SØRENGA byggetrinn 1

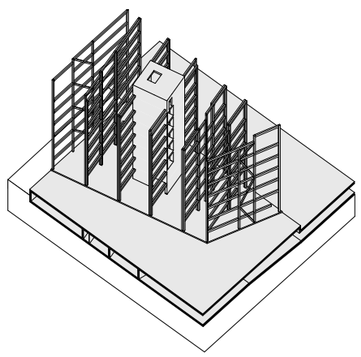
WEST ELEVATION



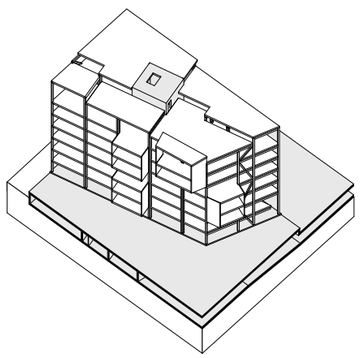
SECTION



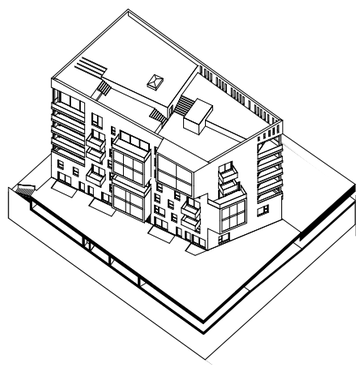
Base and staircase cores made out of concrete



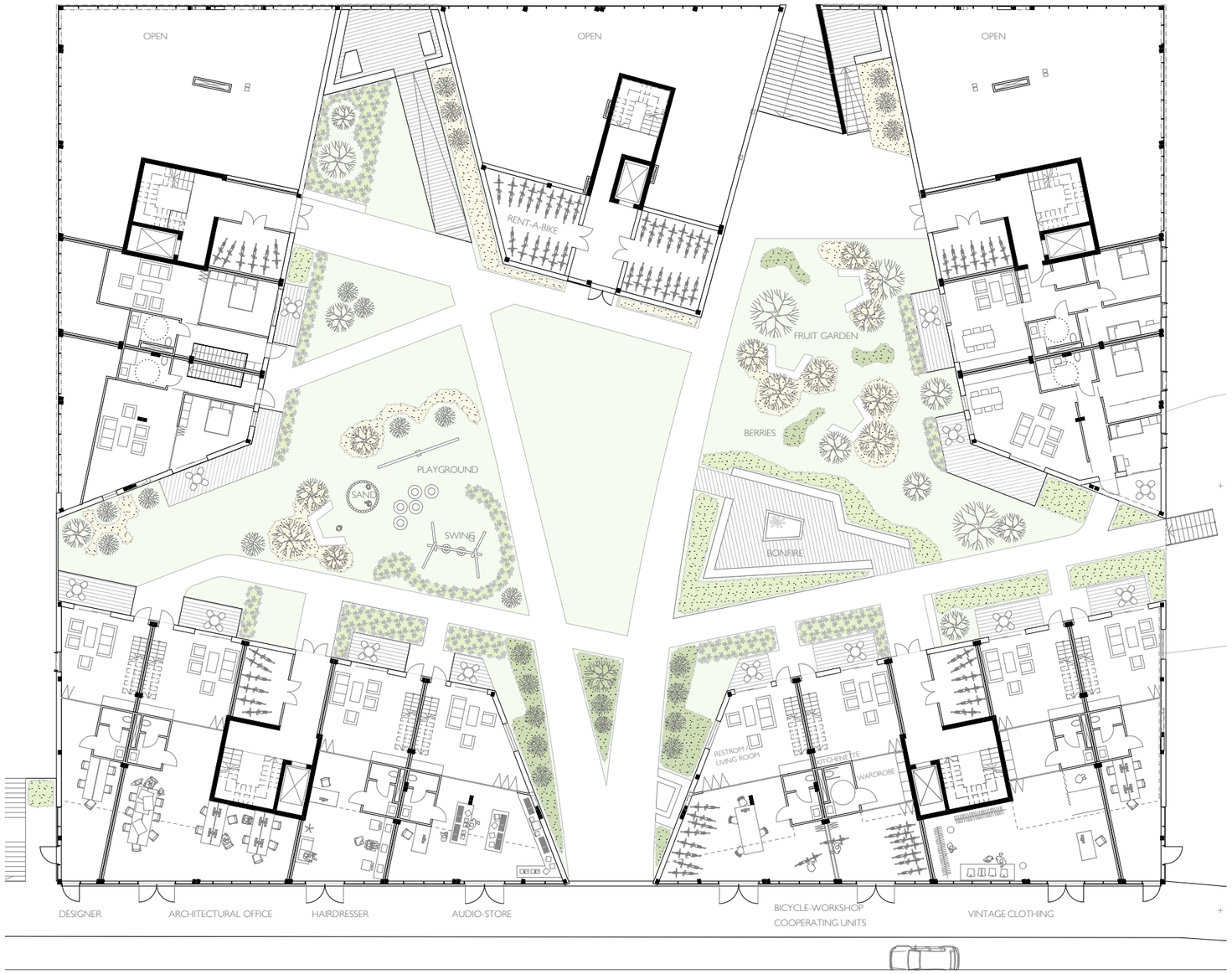
Glulam columns and beams.



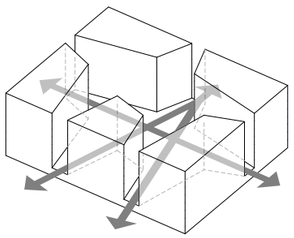
CLT floor slab and walls.

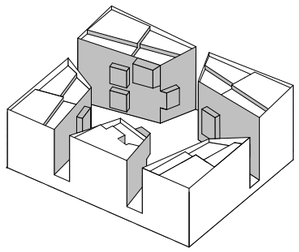


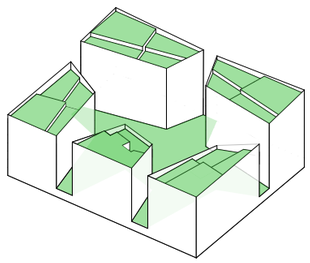
Clinker slips and wooden cladding.

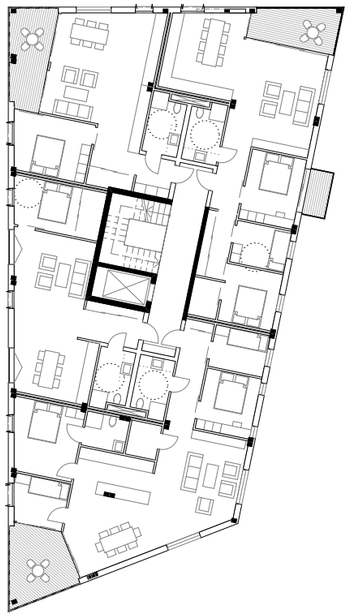

OPEN
OPEN
OPEN
RENT-A-BIKE
FRUIT GARDEN
BERRIES
PLAYGROUND
SAND
SWING
BONFIRE
RESTROM / LIVING ROOM
KITCHENETTE
WARDROBE
DESIGNER
ARCHITECTURAL OFFICE
HAIRDRESSER
AUDIO-STORE
BICYCLE-WORKSHOP
COOPERATING UNITS
VINTAGE CLOTHING

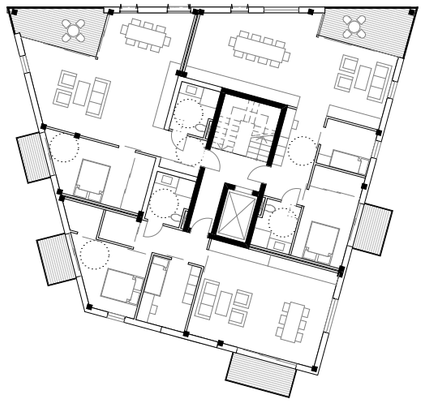
CONCEPT

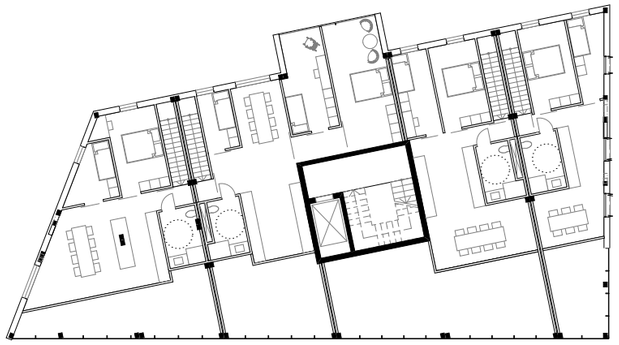


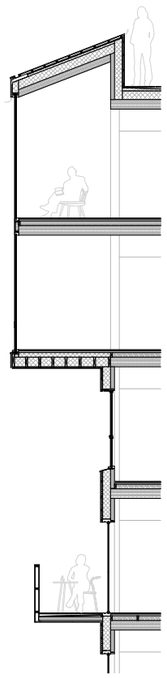












Facades towards courtyard

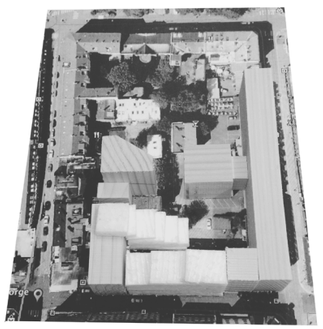
SITUATION MODEL

SITUATION PLAN

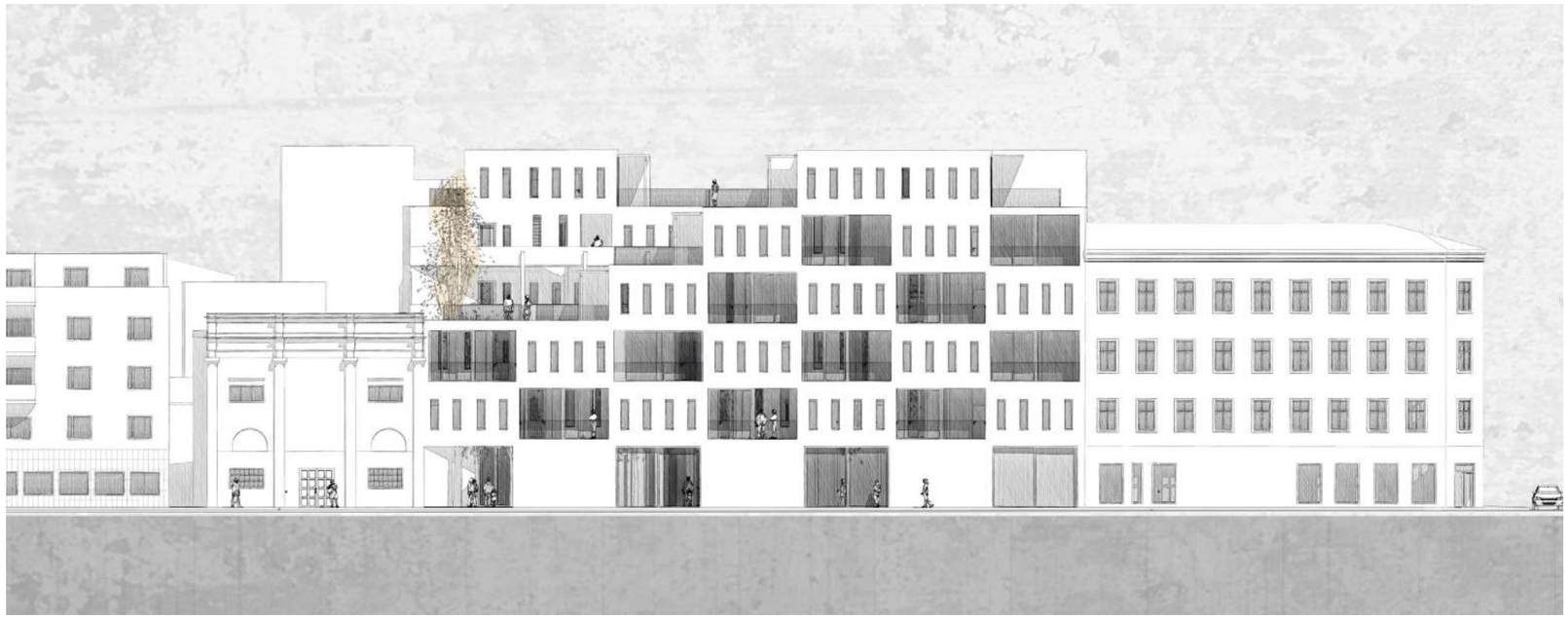
NORDRE GATE 20-22

AN ADAPTABLE URBAN TIMBER BUILDING

Area: 4790 m2
Areal tomt: 1350m2
FAR: 2,95
Program: Library, Office, Dwellings

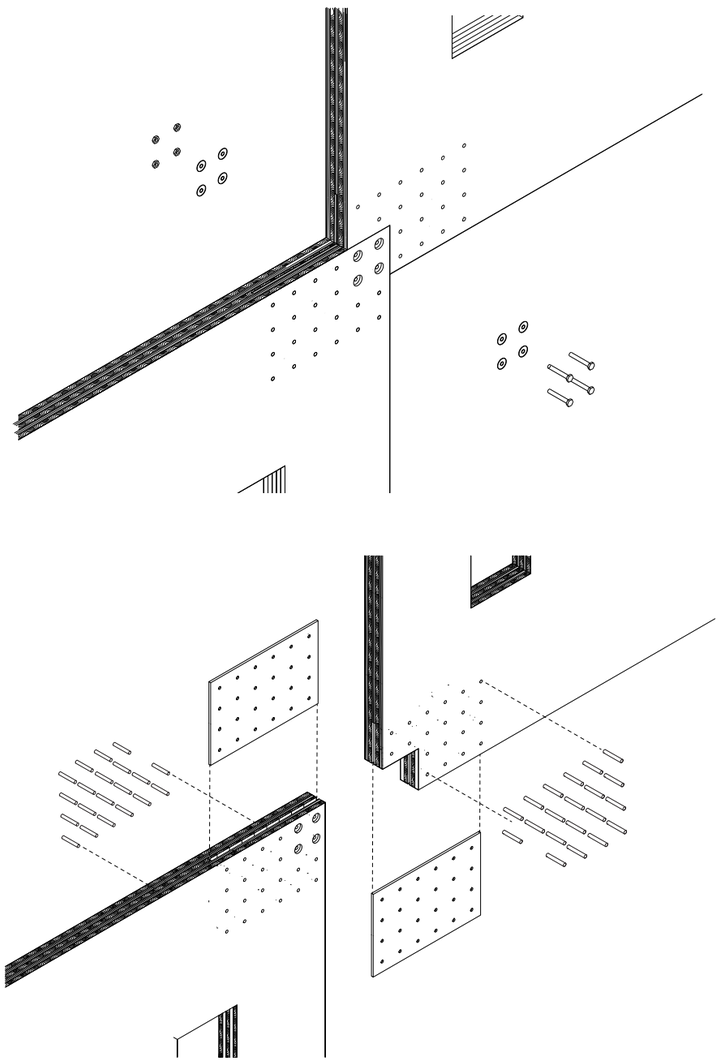


CONCEPT MODEL



SITUATION ELEVATION TOWARDS NORDRE GATE

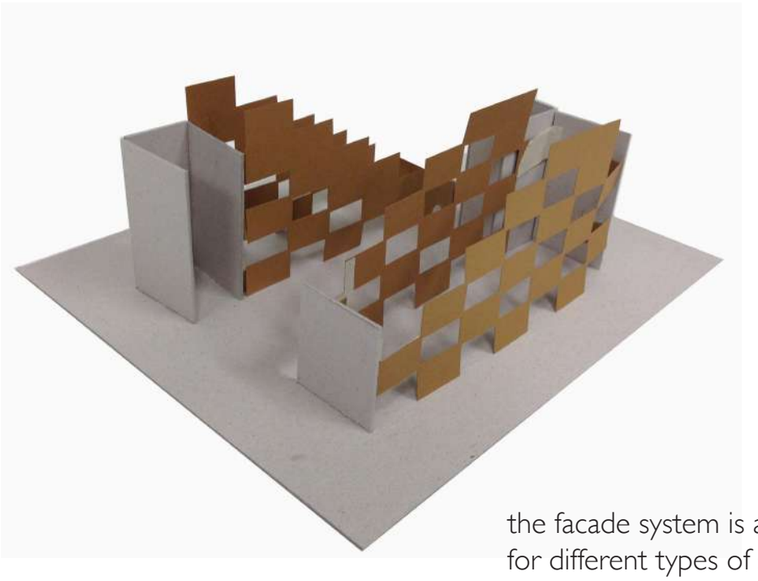
PRINCIPAL OF LOAD-CARRYING FACADES



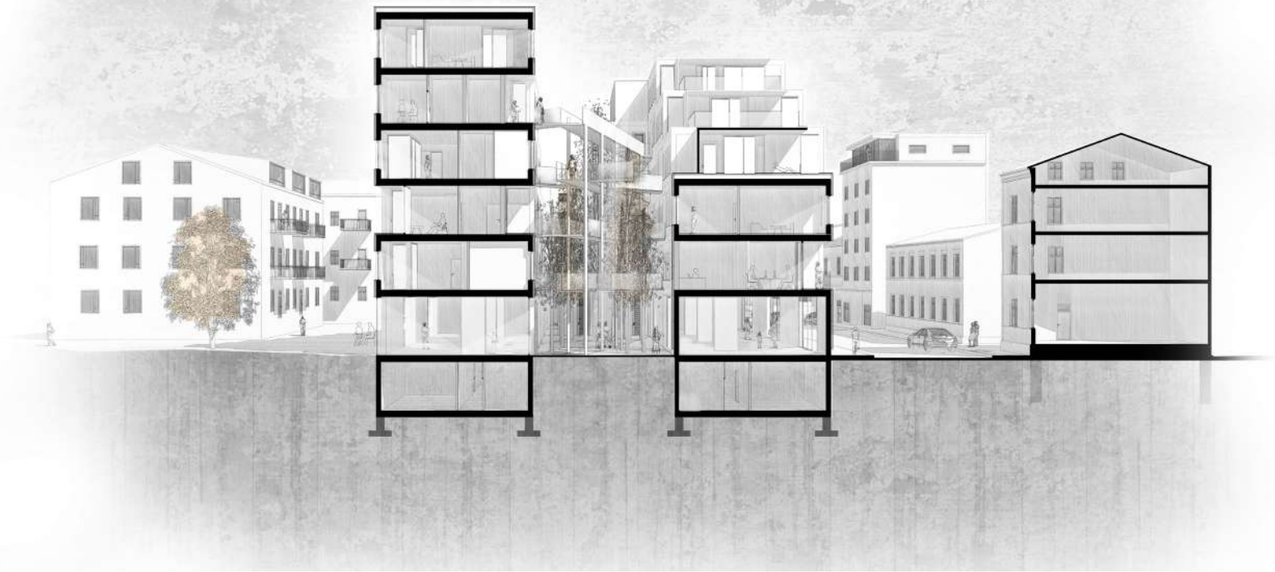
FACADE TOWARDS NORDRE GATE

FREE PLANS AND FLEXIBLE FACADES

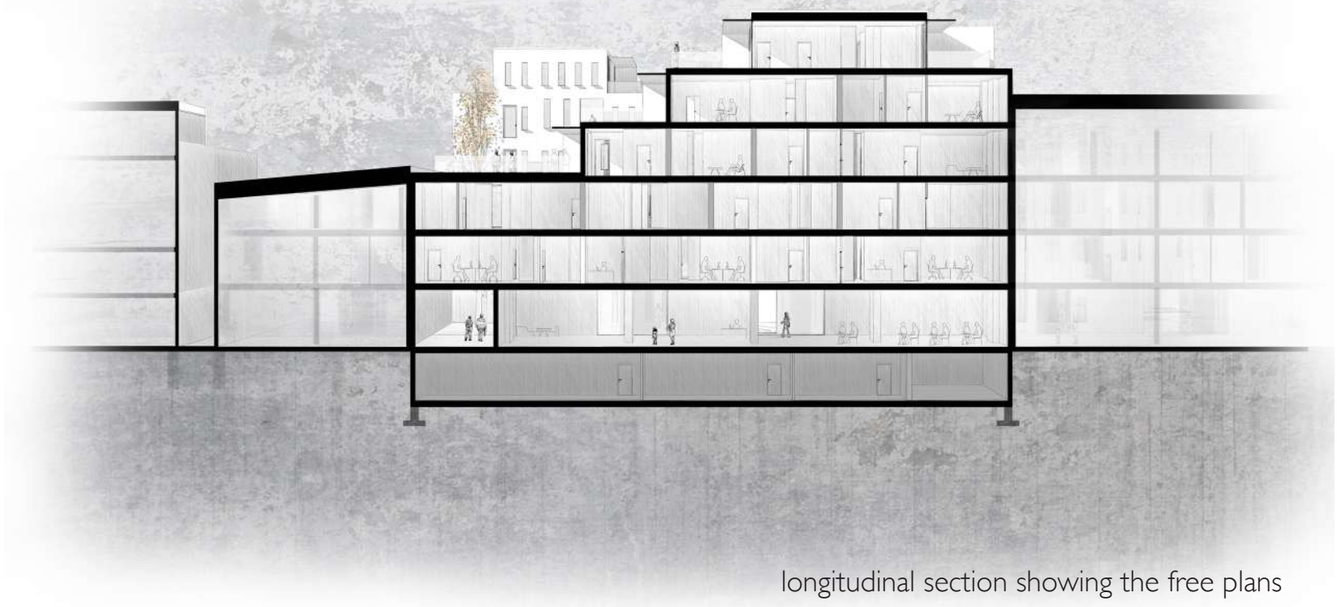
facadeelements carrying
both the lower and upper
slab enables a flexible facade



the facade system is applicable
for different types of situations

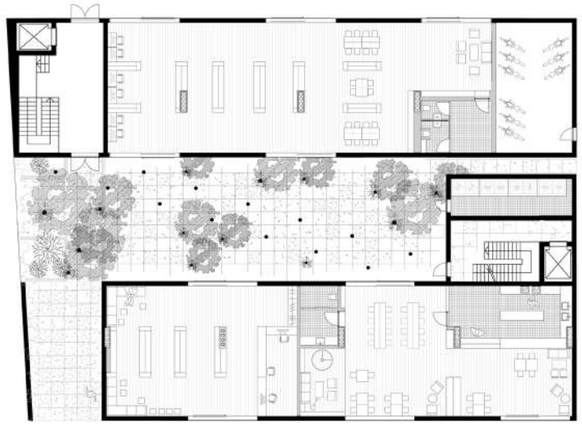


cross section showing the flexibility in the facade

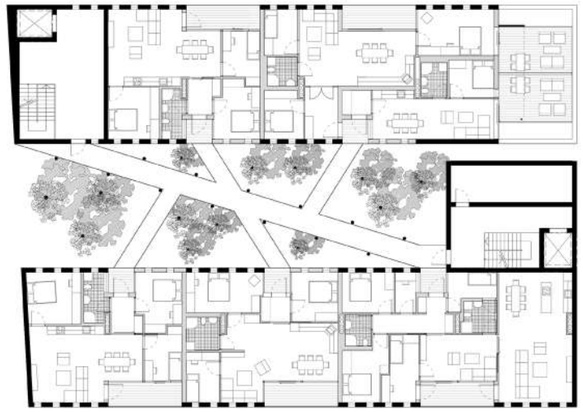


longitudinal section showing the free plans

PRINSIPPLANER 1:200



1. ETASJE



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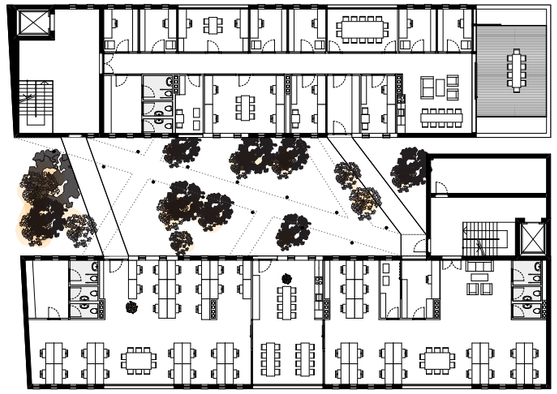
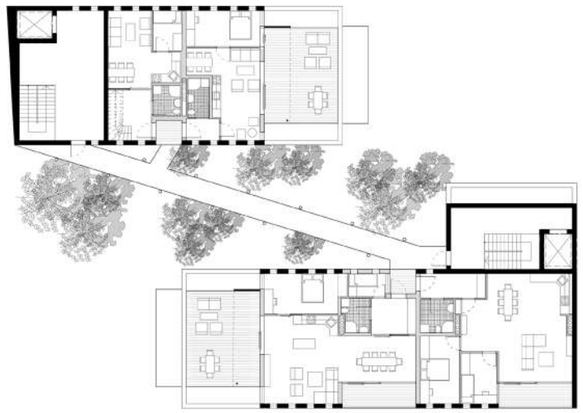


ALTERNATIVE LAYOUT FOR OFFICE

4. ETASJE



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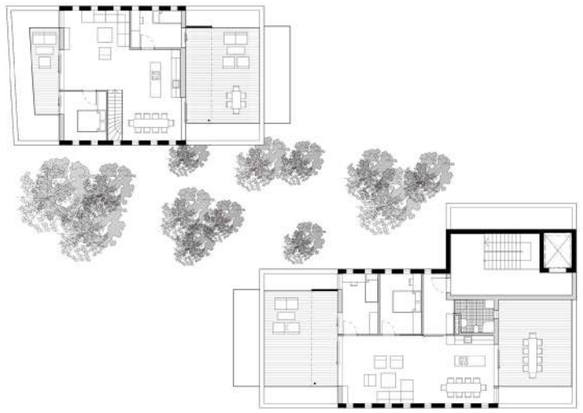

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