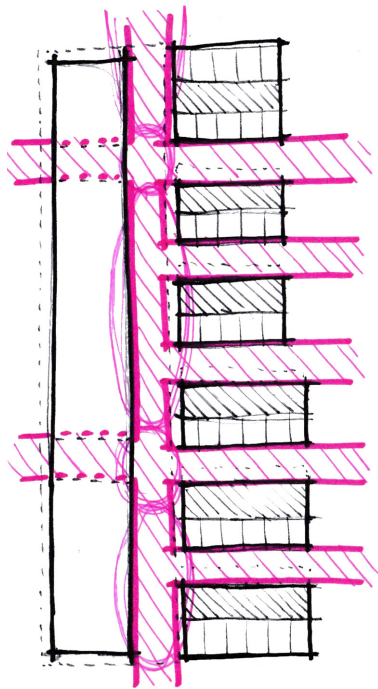


‘Multi-Generational Co-living for Care’ (Design Booklet)

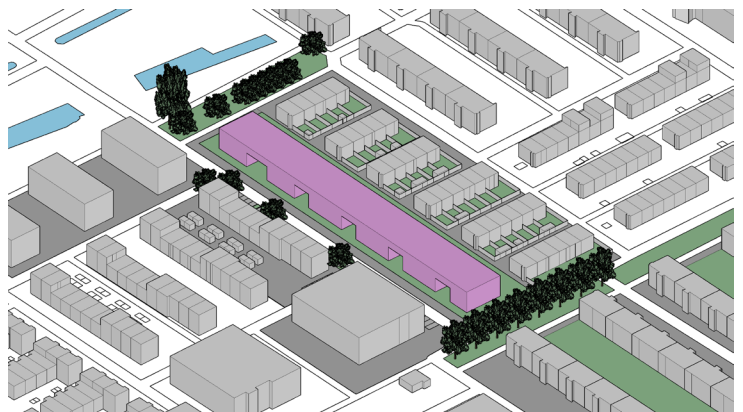
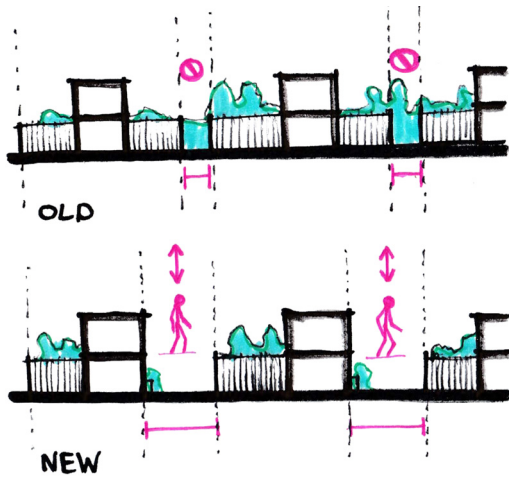
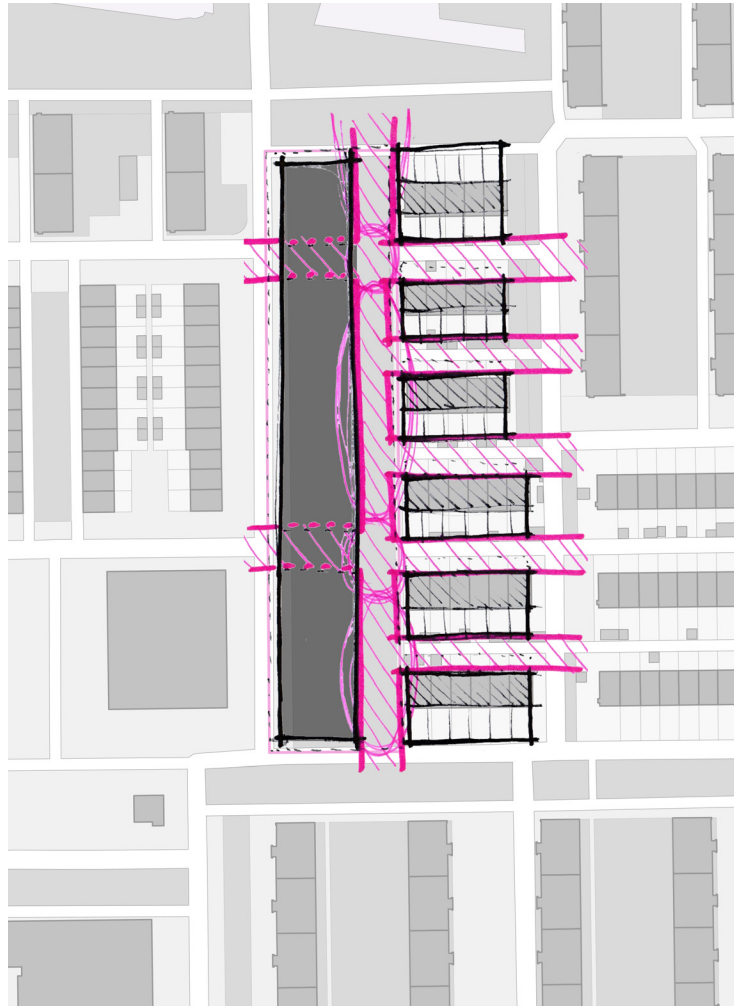


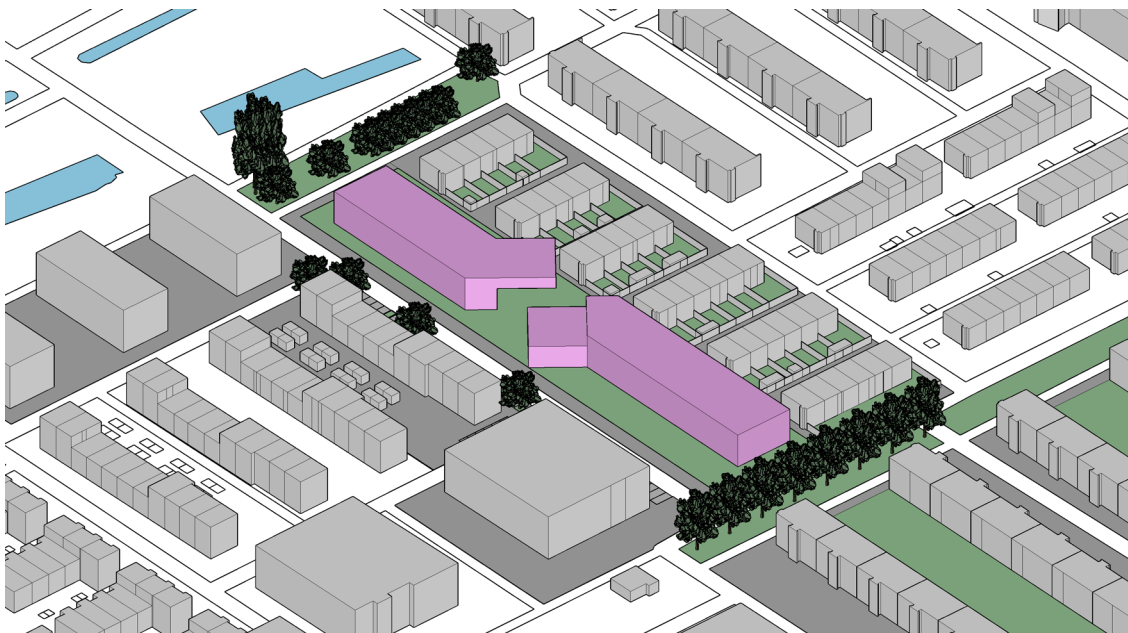
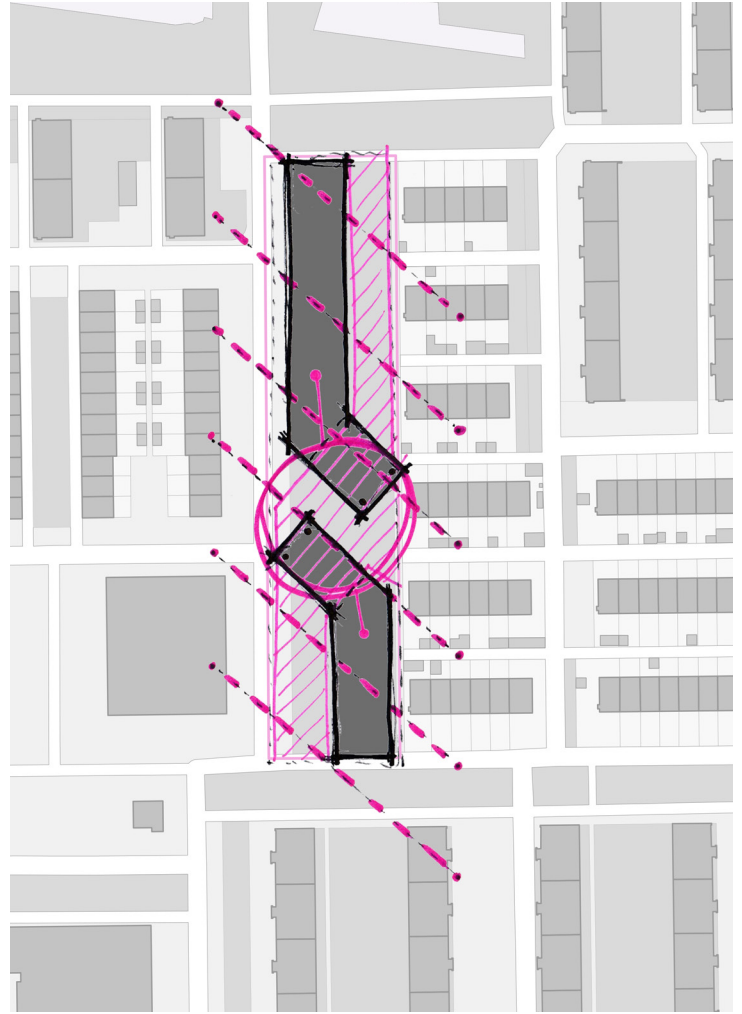
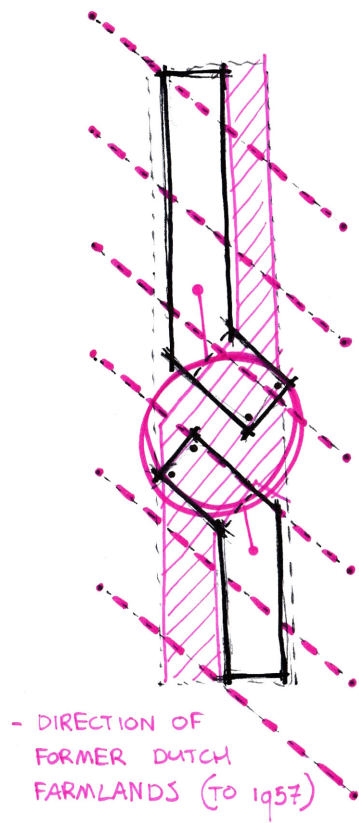
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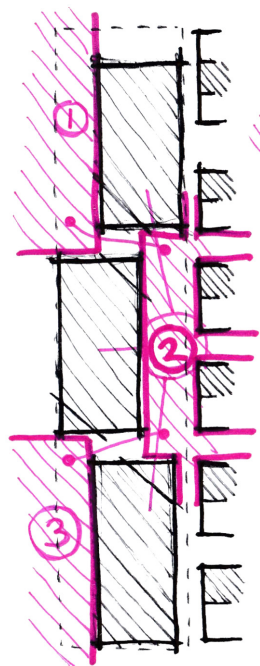
(Pre) P2



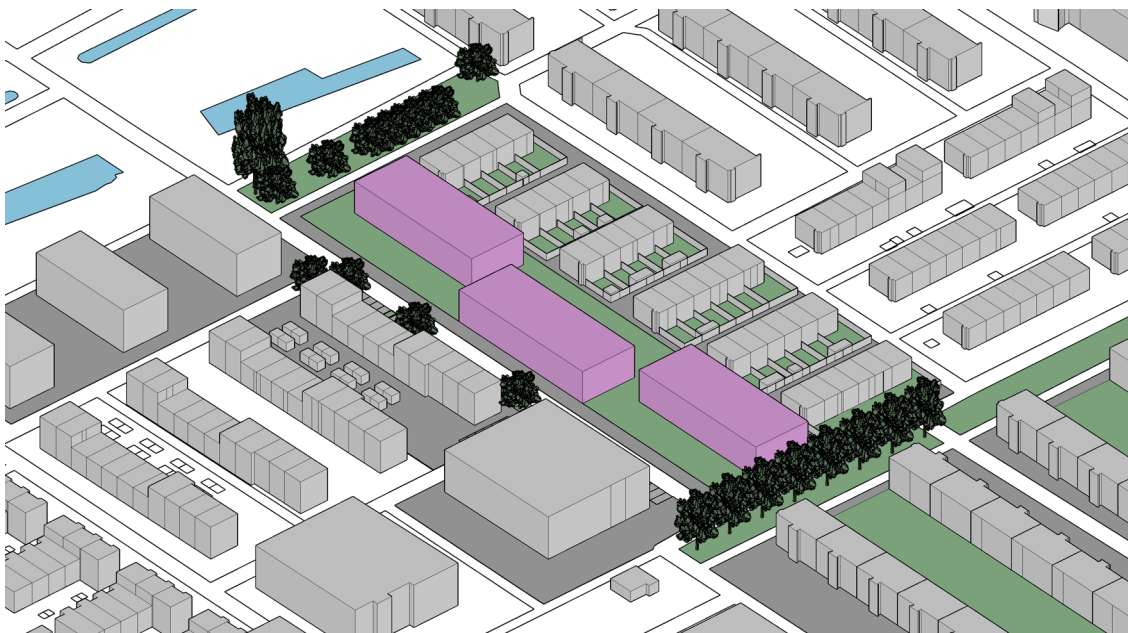
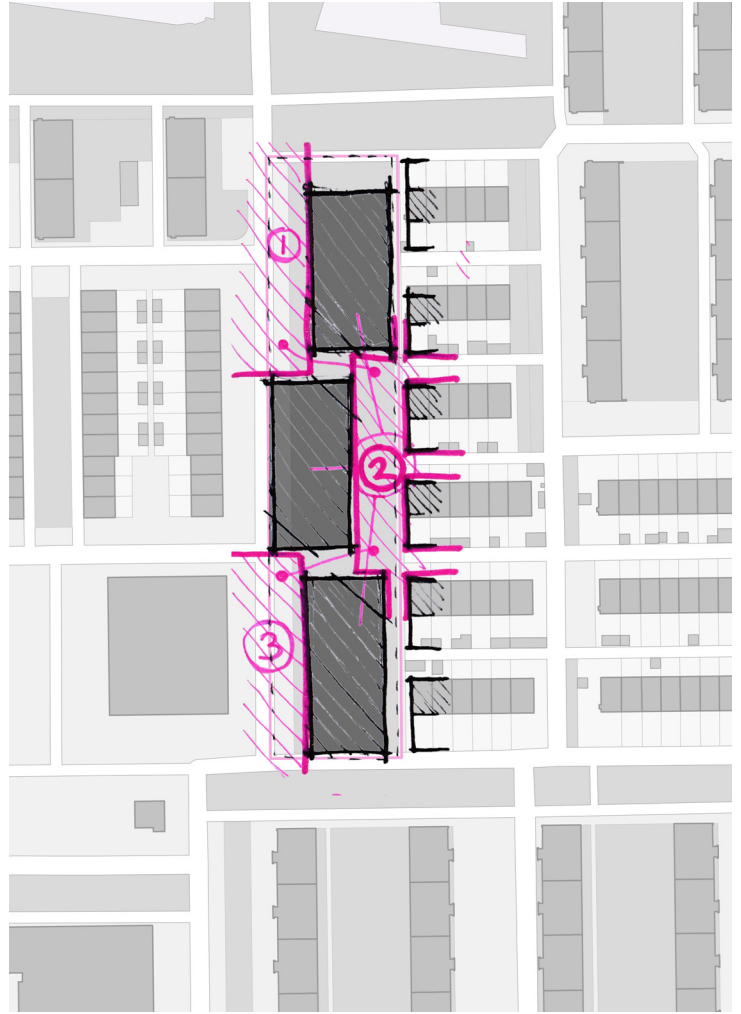
- INSPIRED BY PREVIOUS
FLAT, BUT MAKE IT
MORE CONNECTED IN
URBAN FABRIC

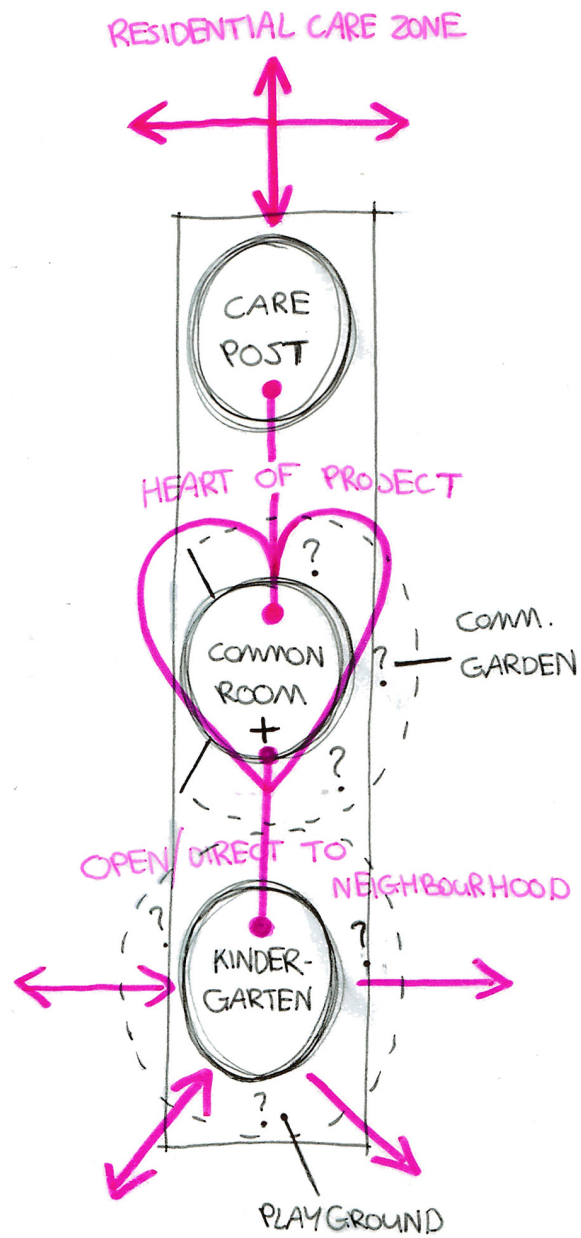
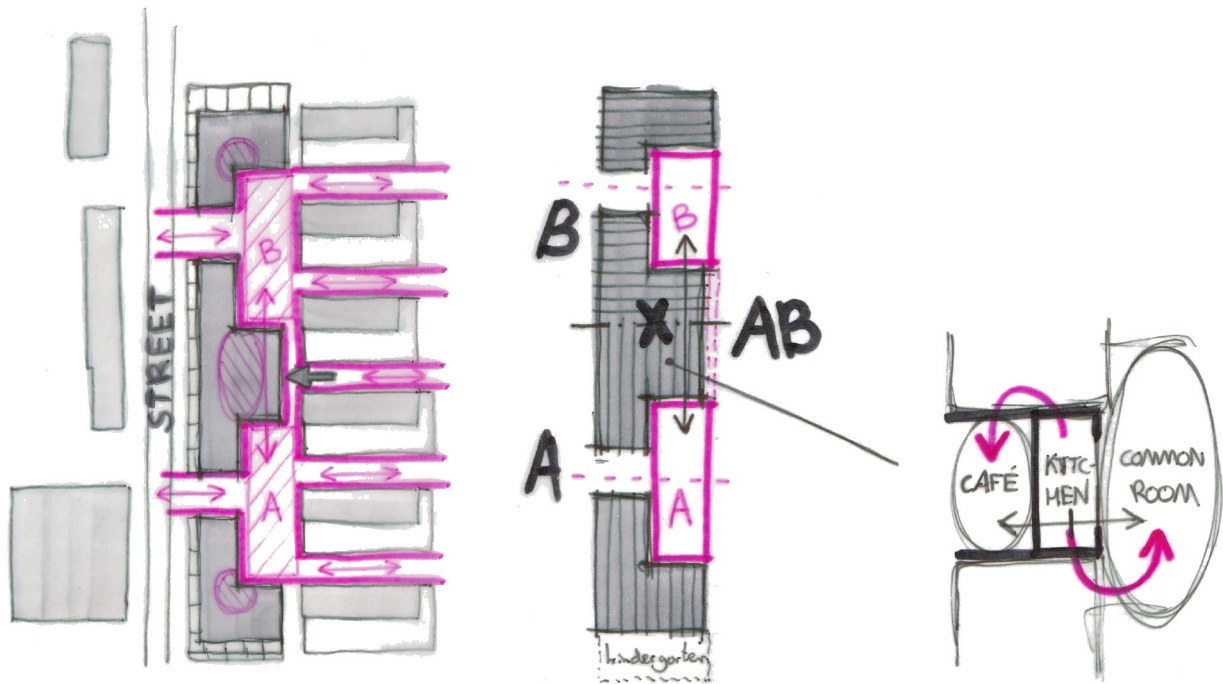


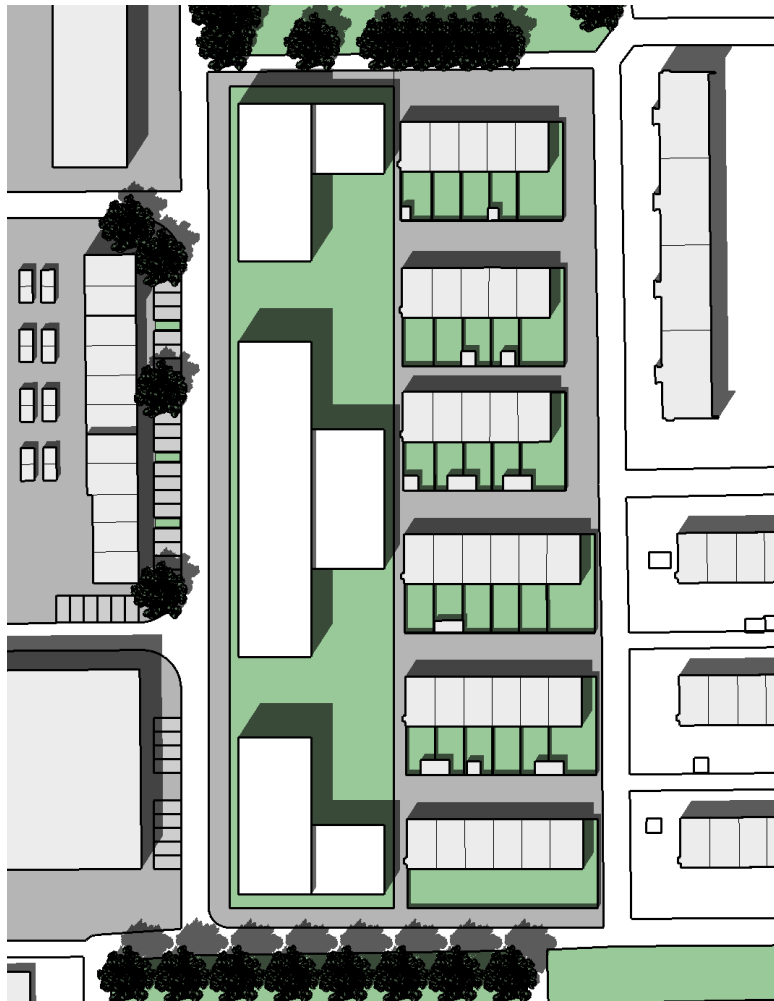
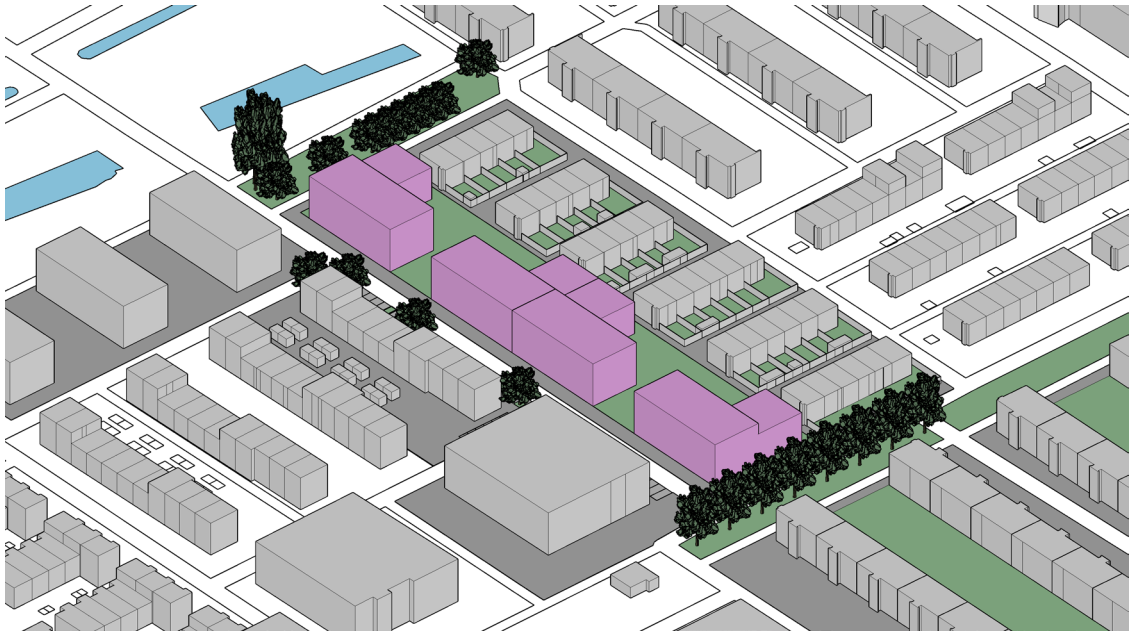


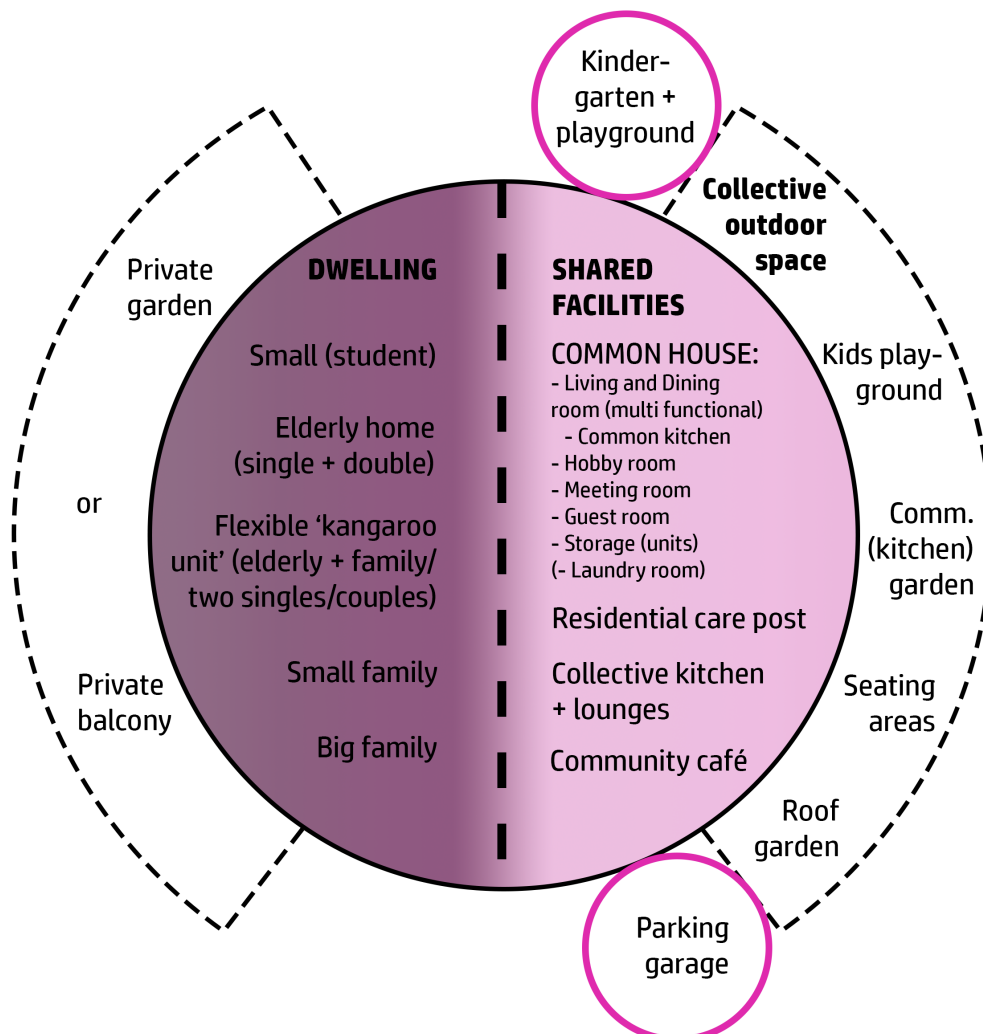
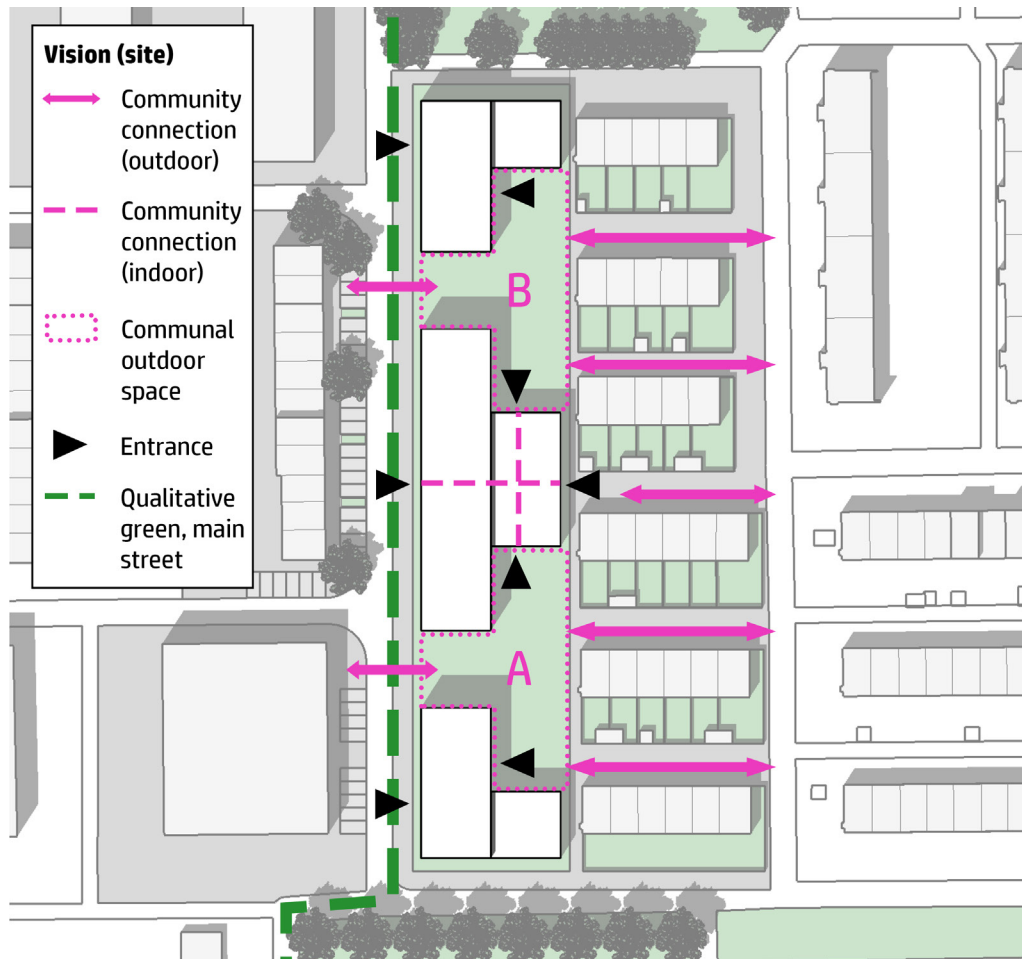


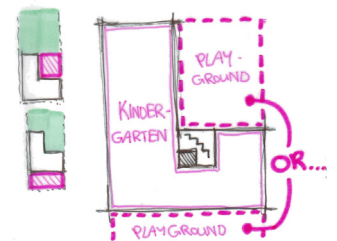
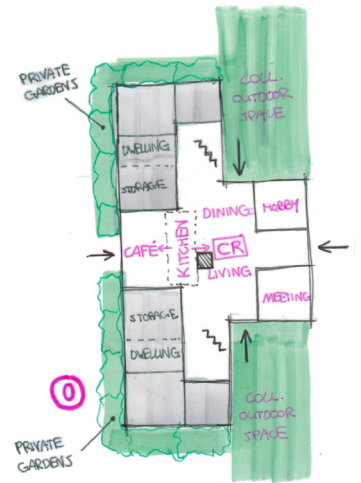
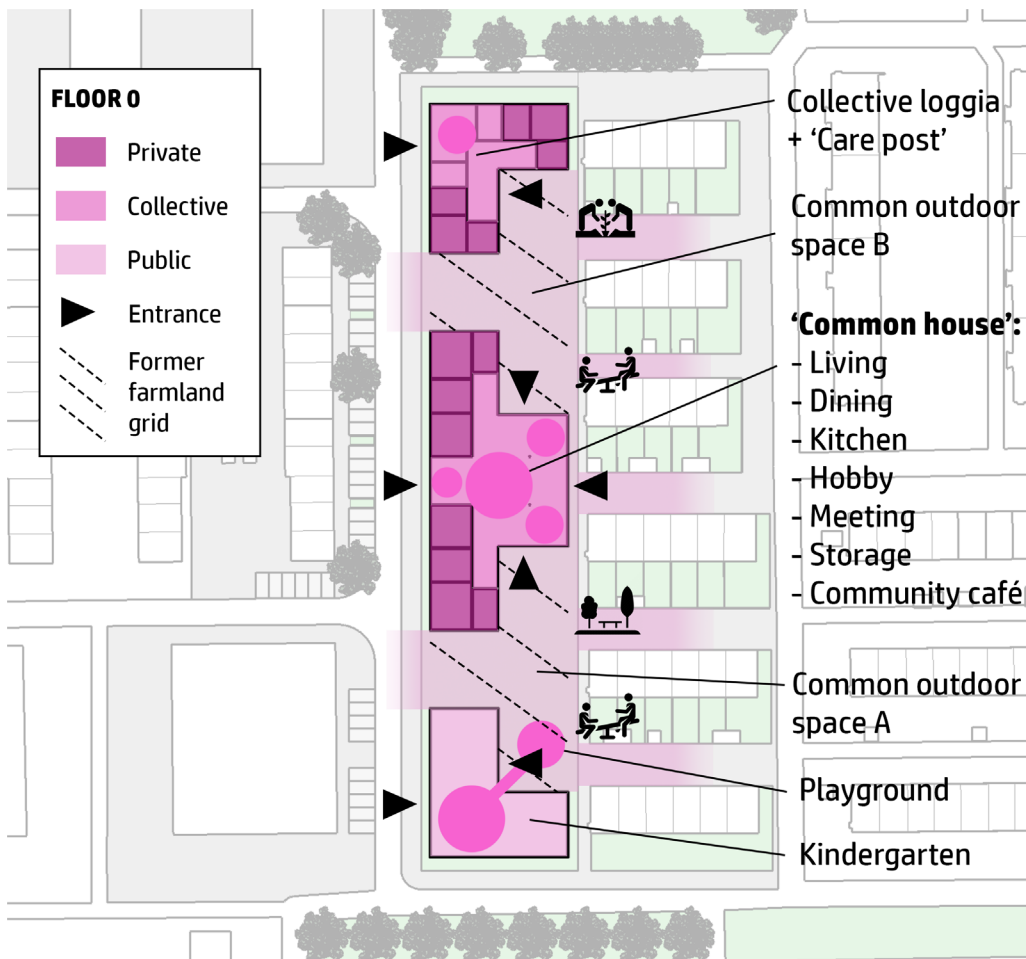
- 3 BUILDINGS,
DIVERGING FROM
CENTRAL AXIS
TO CREATE

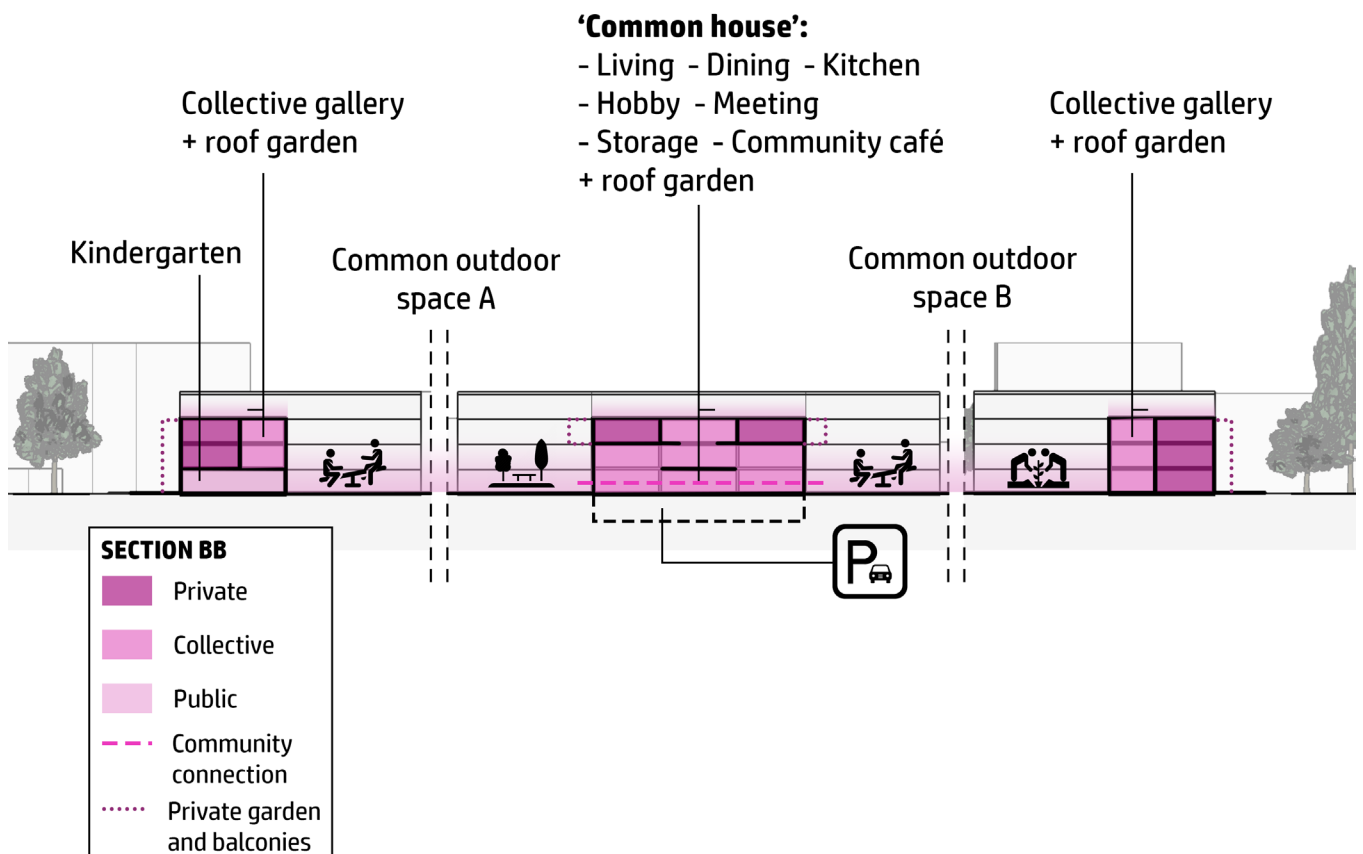
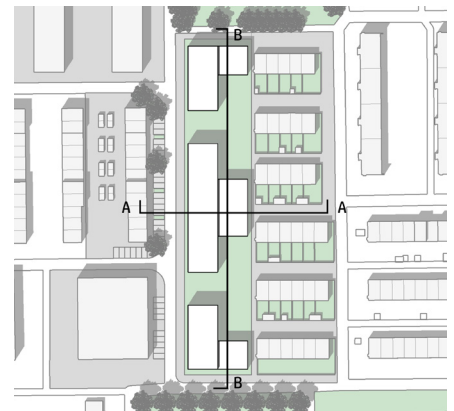
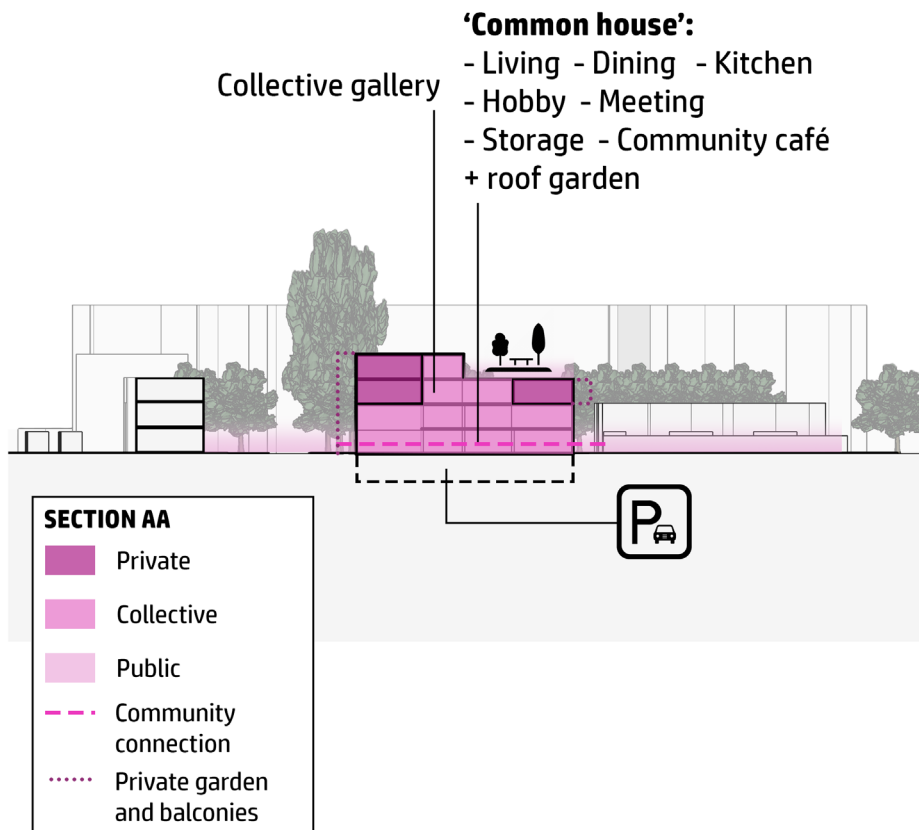






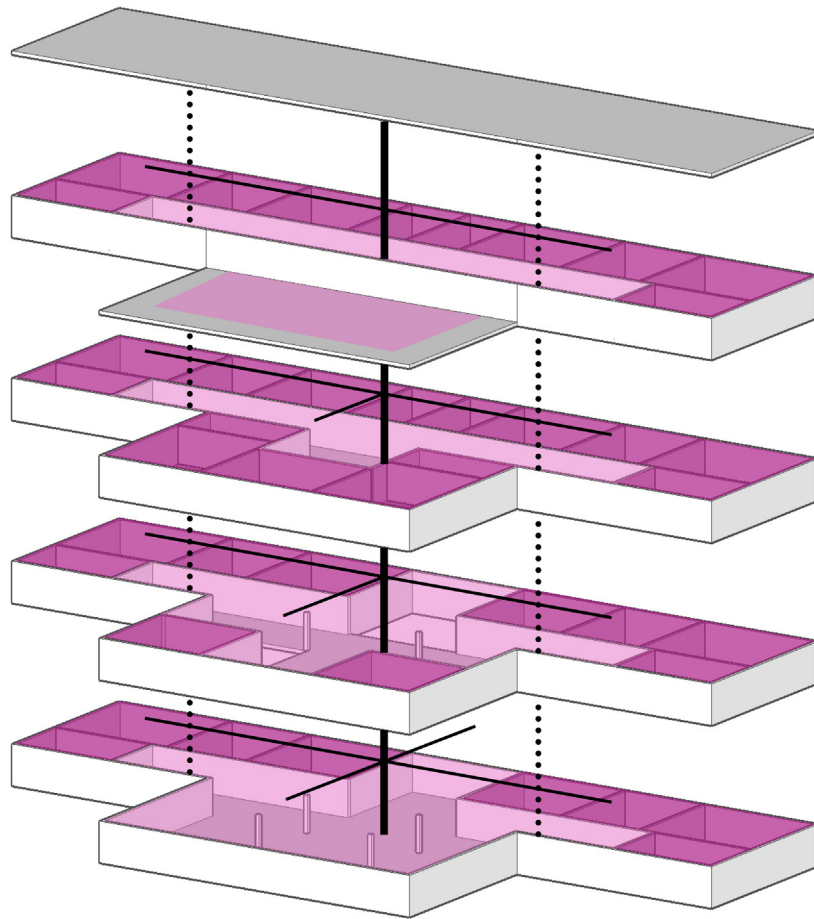






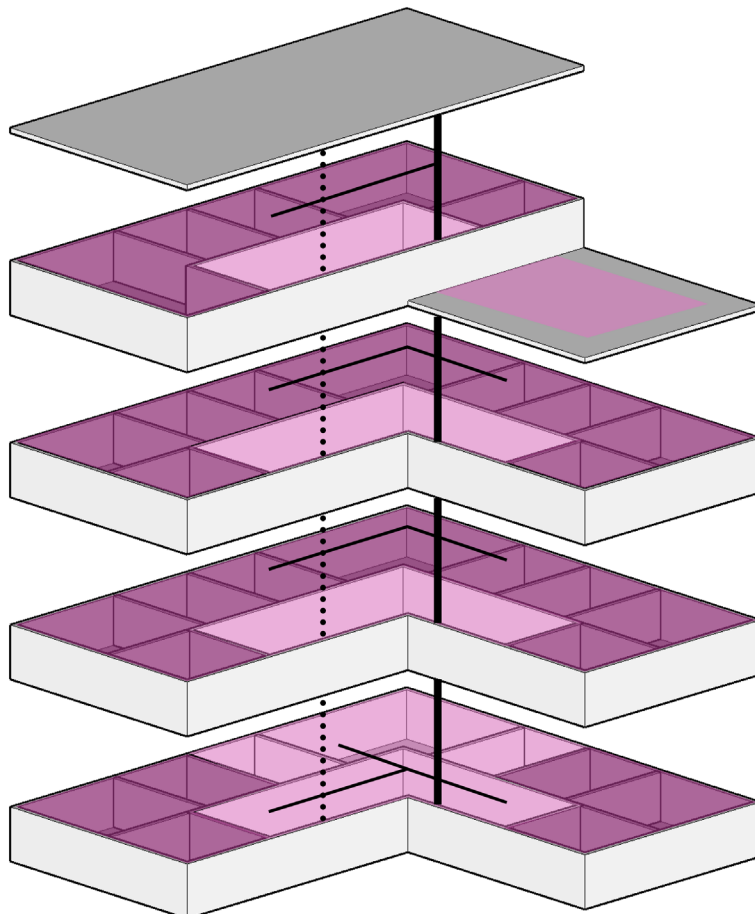
AXO: COMMON HOUSE

- Private
- Collective/Public
- Stairway
- Lift
- Circulation



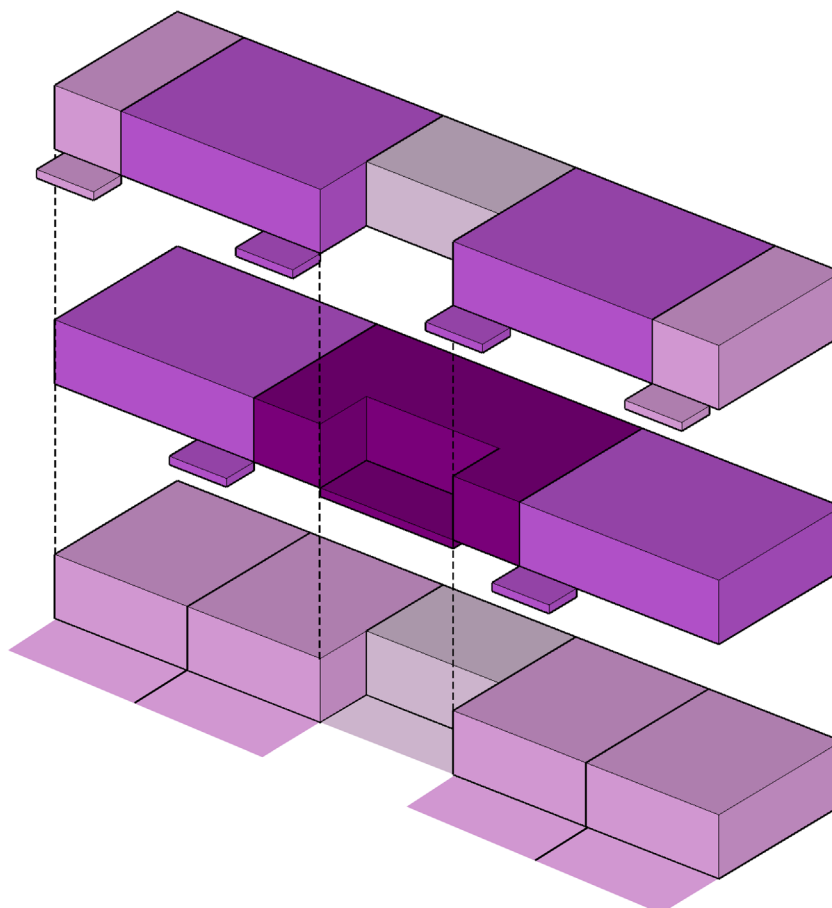
AXO: L-SHAPE BLOCKS

- Private
- Collective/Public
- Stairway
- Lift
- Circulation



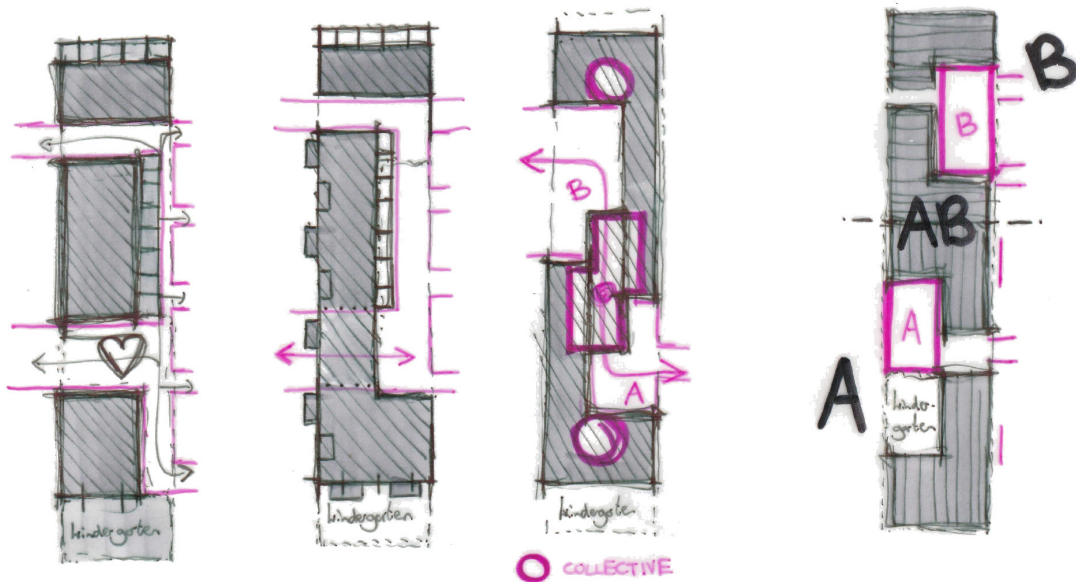
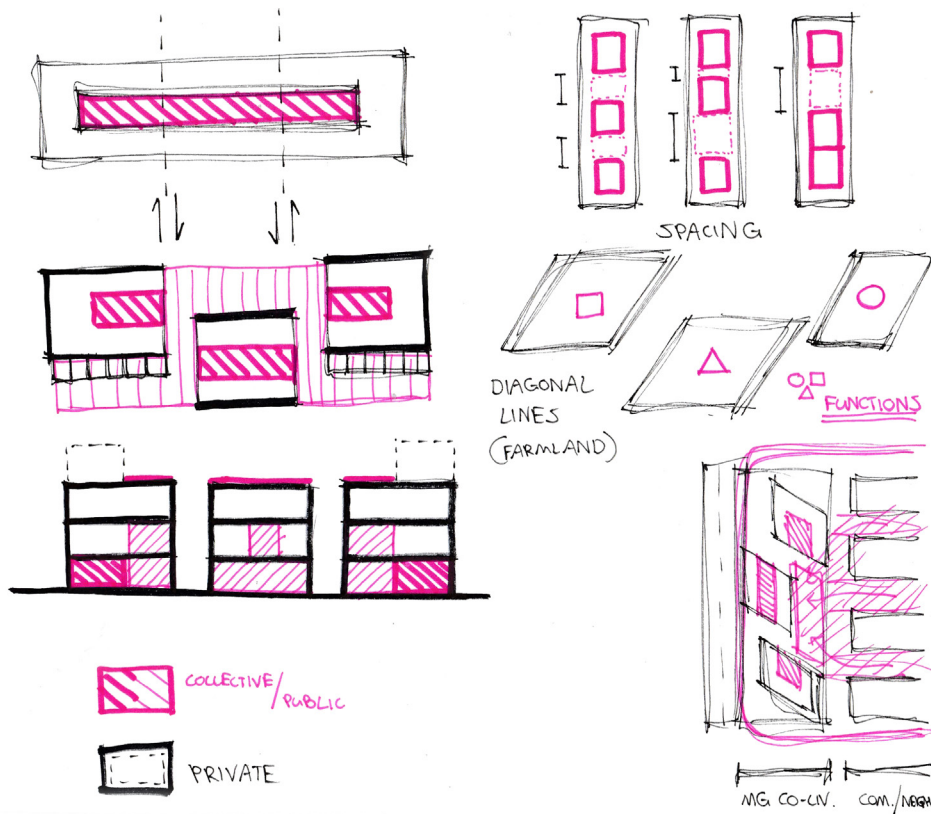
AXO: DWELLING TYPES

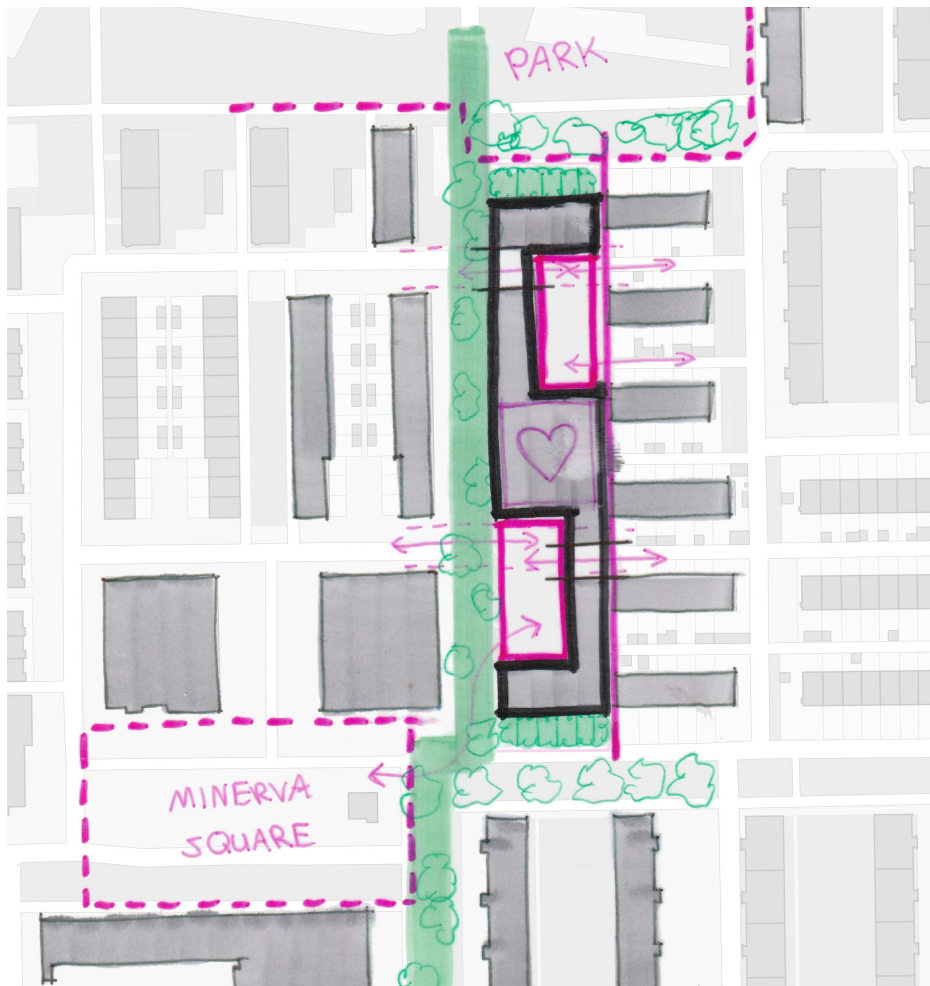
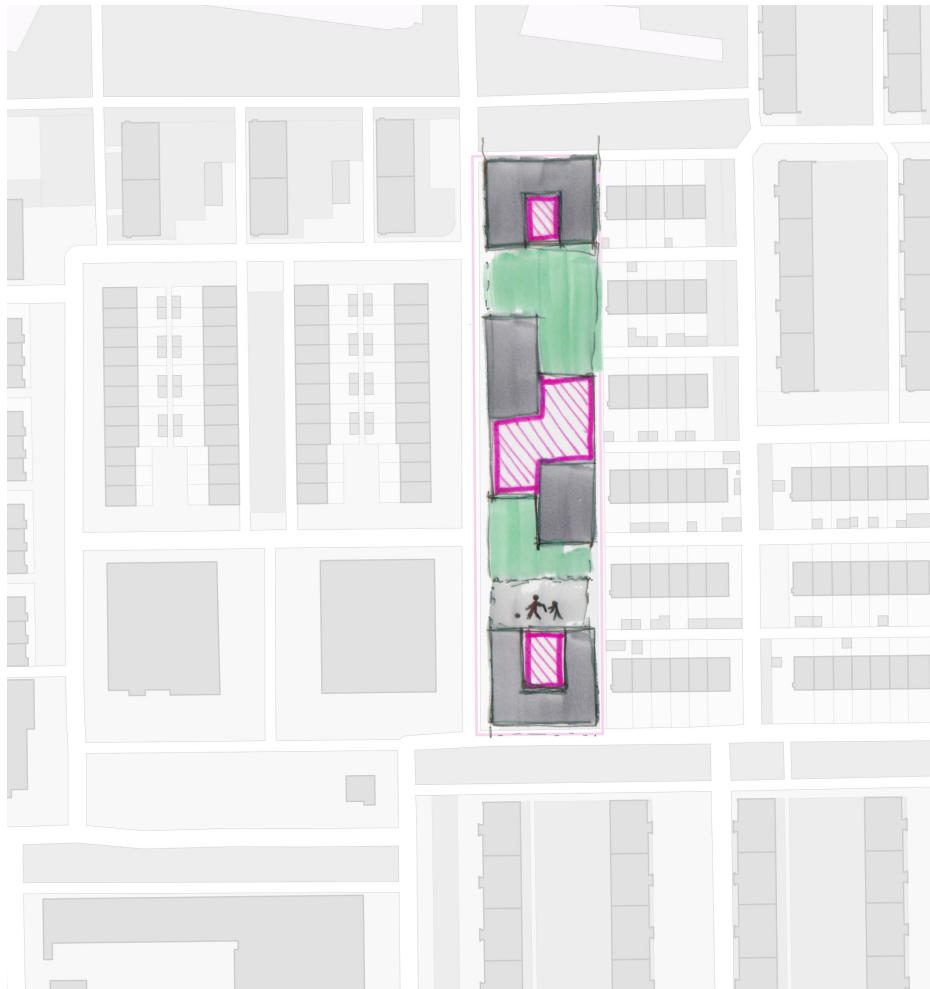
- 'Kangaroo' unit
- Family unit
- Elderly unit
- Student unit

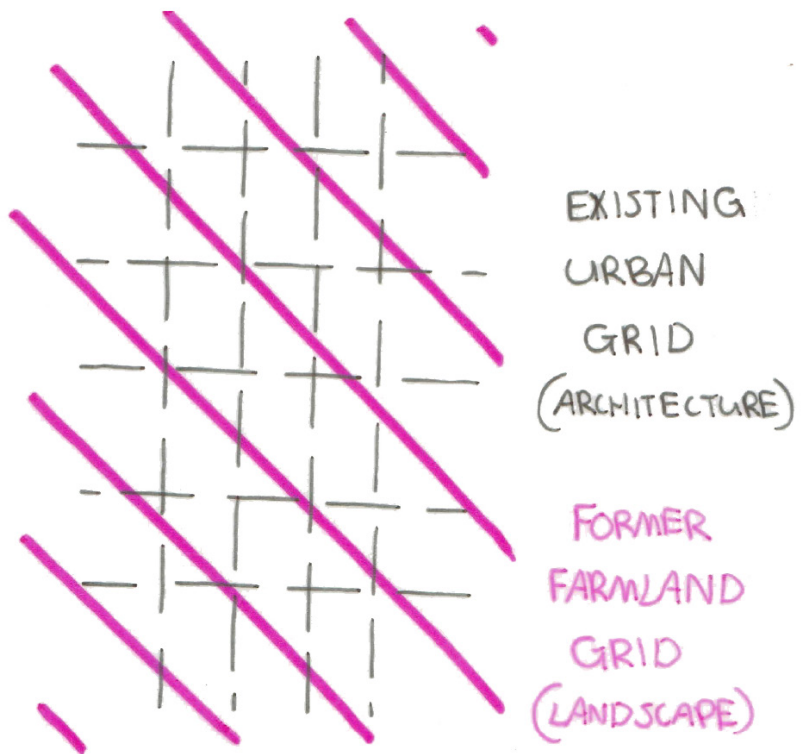
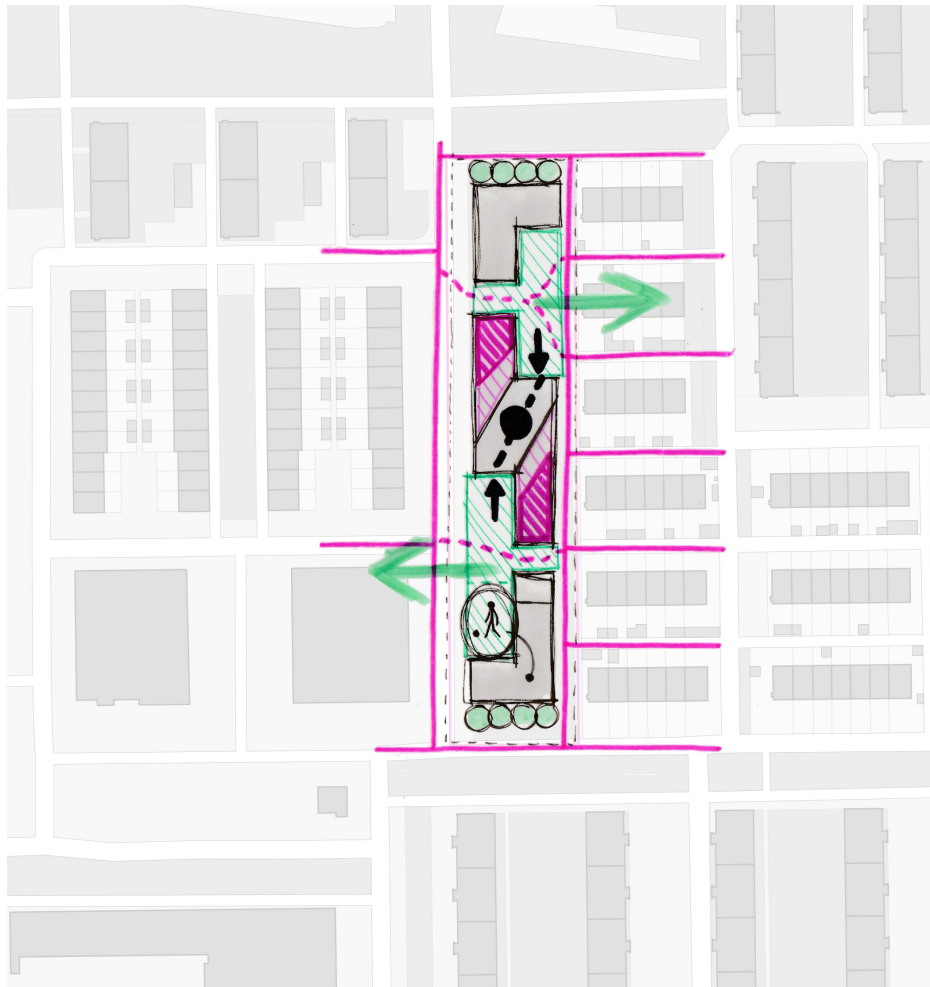


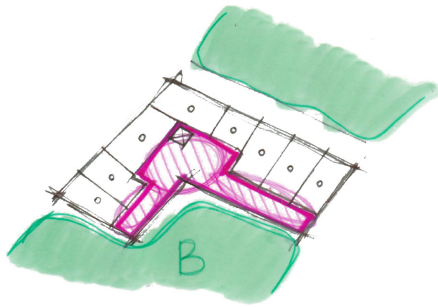
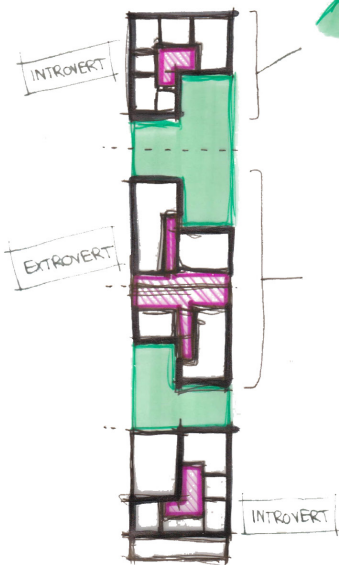
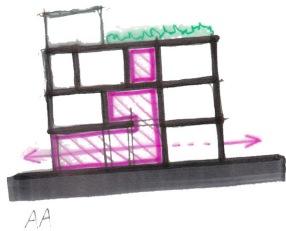
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Week 1

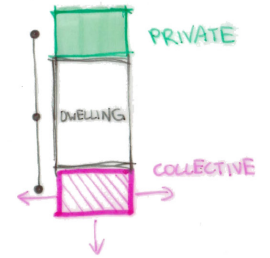
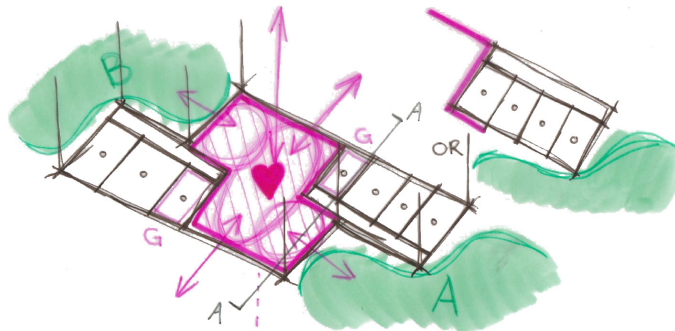




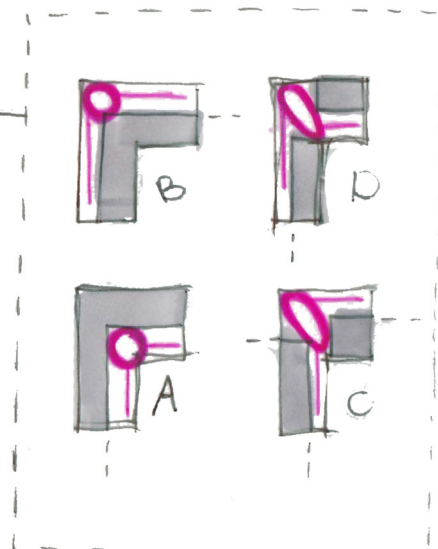
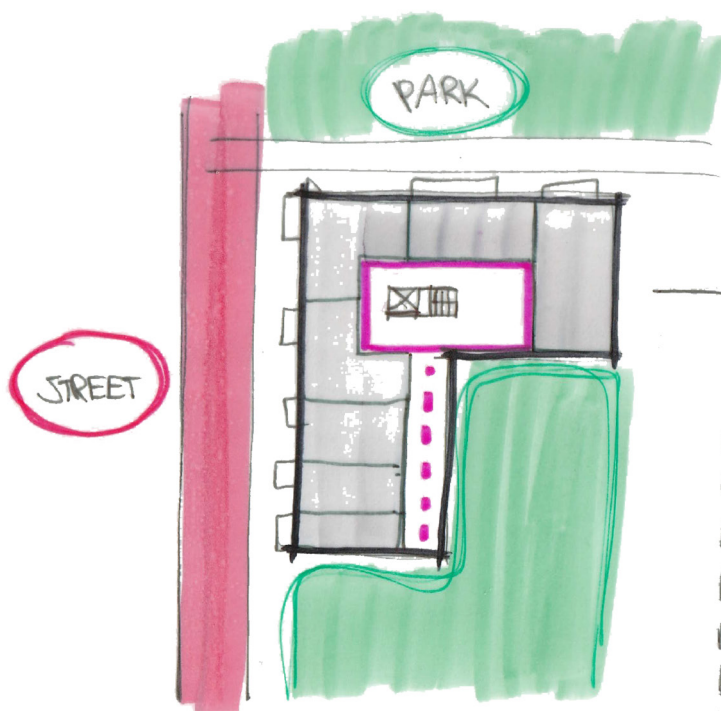
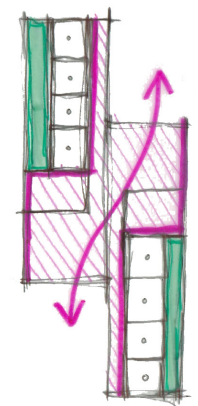
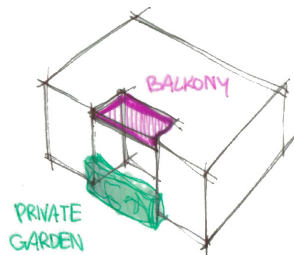
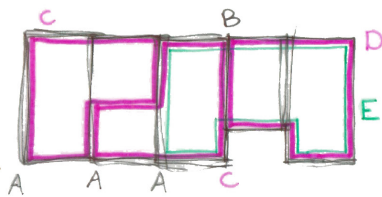


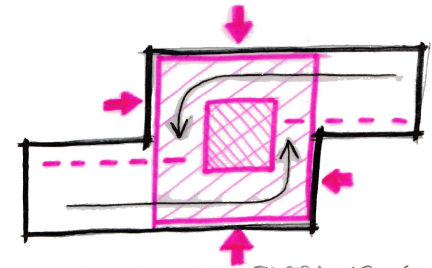
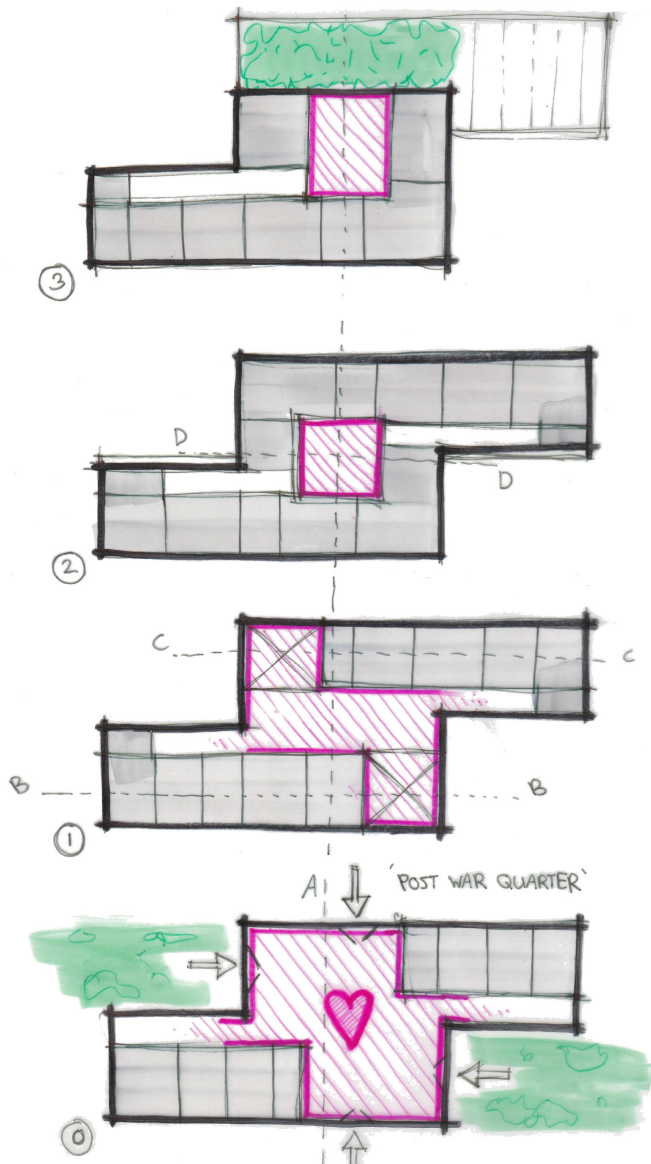


- COMMON SPACE :
- LIVING/DINING + KITCHEN
- (STORAGE + LAUNDRY)

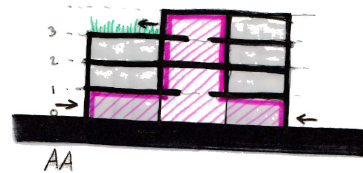
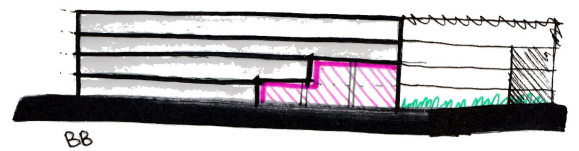


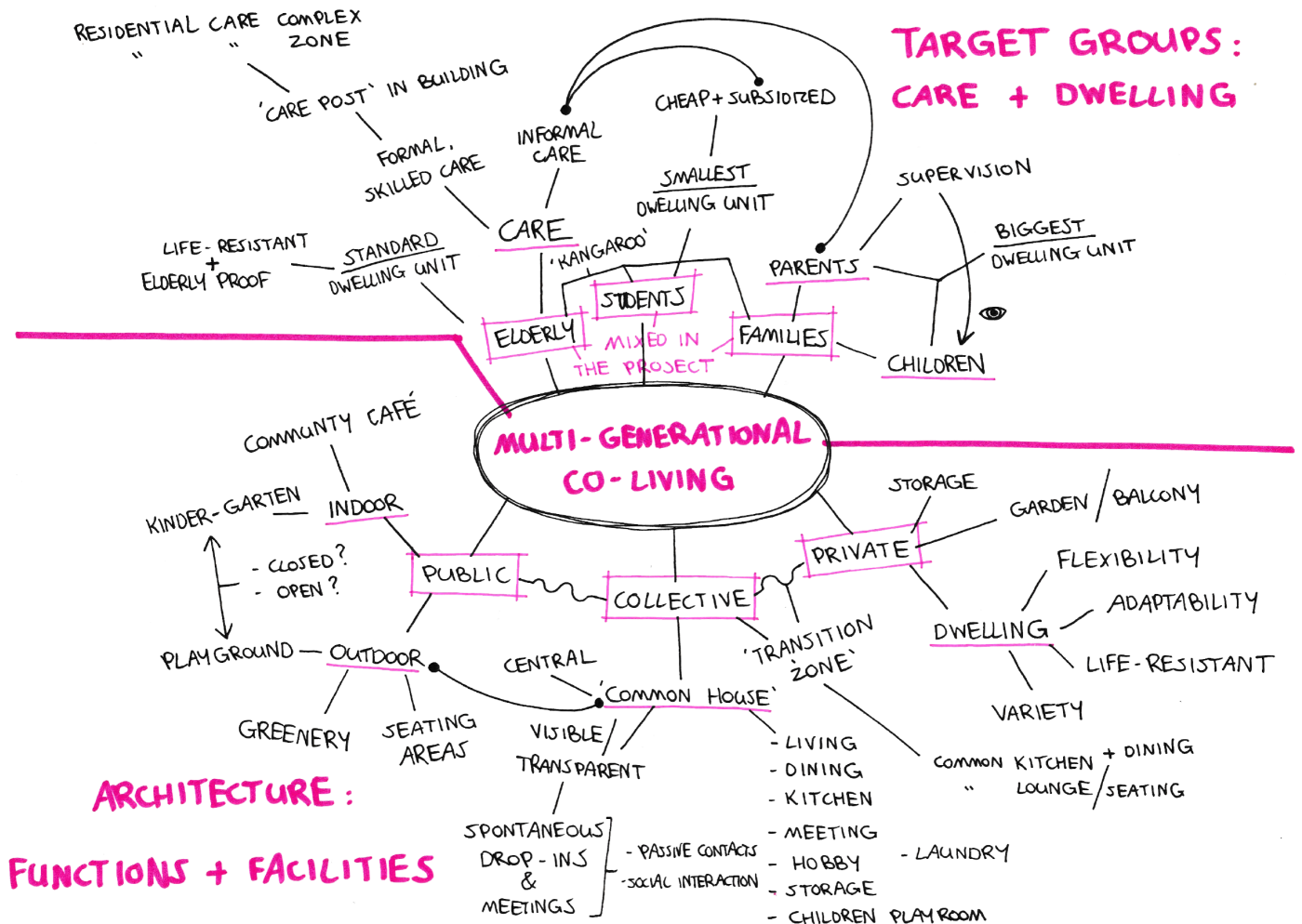
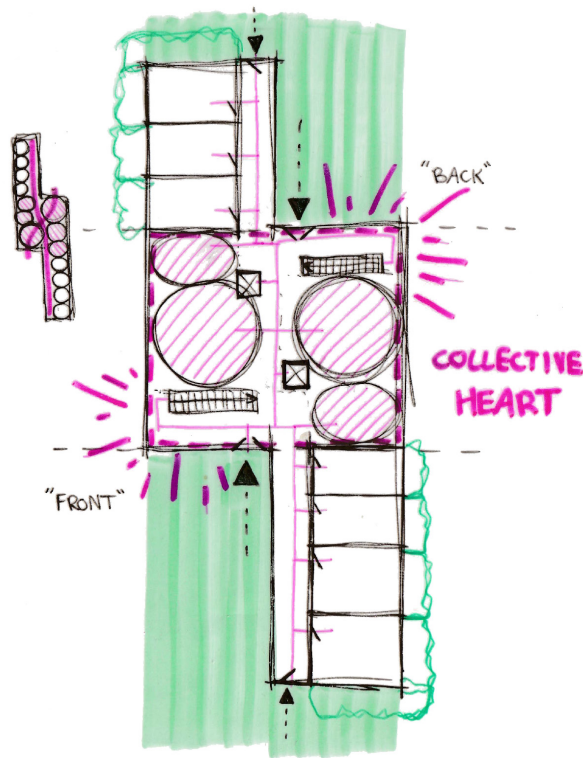
- COMMON HOUSE :
- LIVING + DINING → MULTIFUNCTIONAL
- KITCHEN (+ BAR → CAFE)
- GUEST ROOM - (STORAGE)
- HOBBY ROOM - (LAUNDRY)
- MEETING ROOM

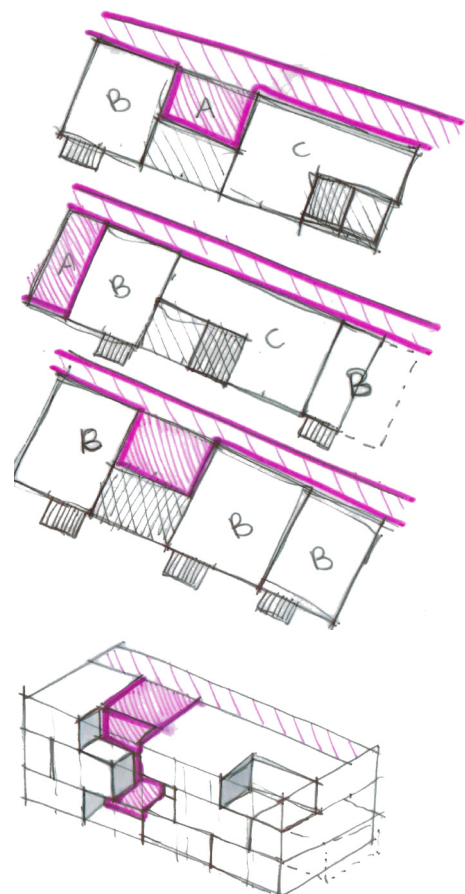
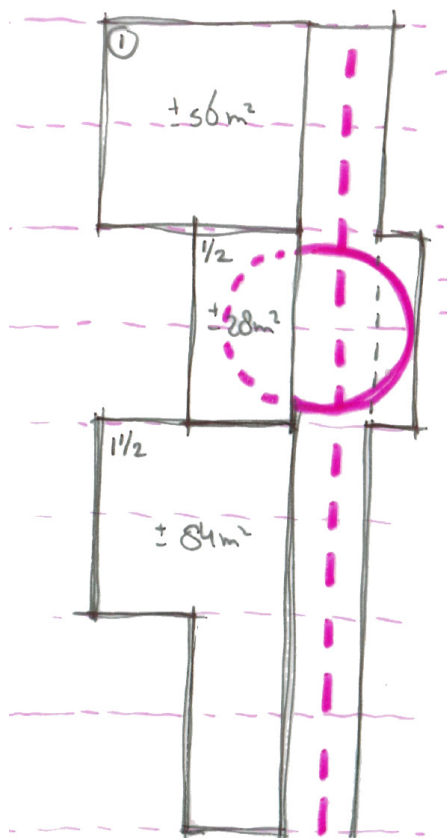
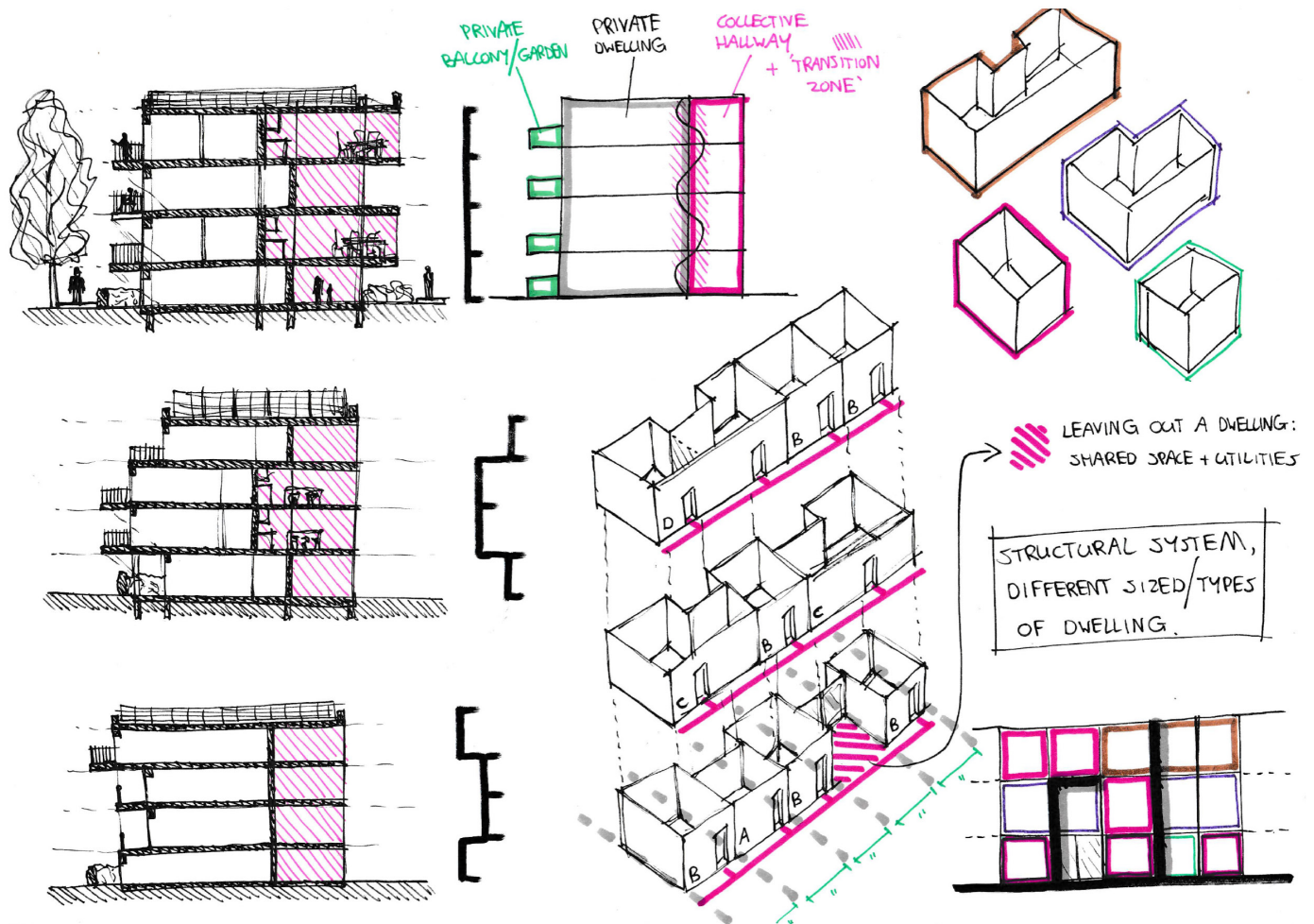




PRIVATE DWELLINGS EMBRACING COLLECTIVE
& PUBLIC SPACES/FUNCTIONS

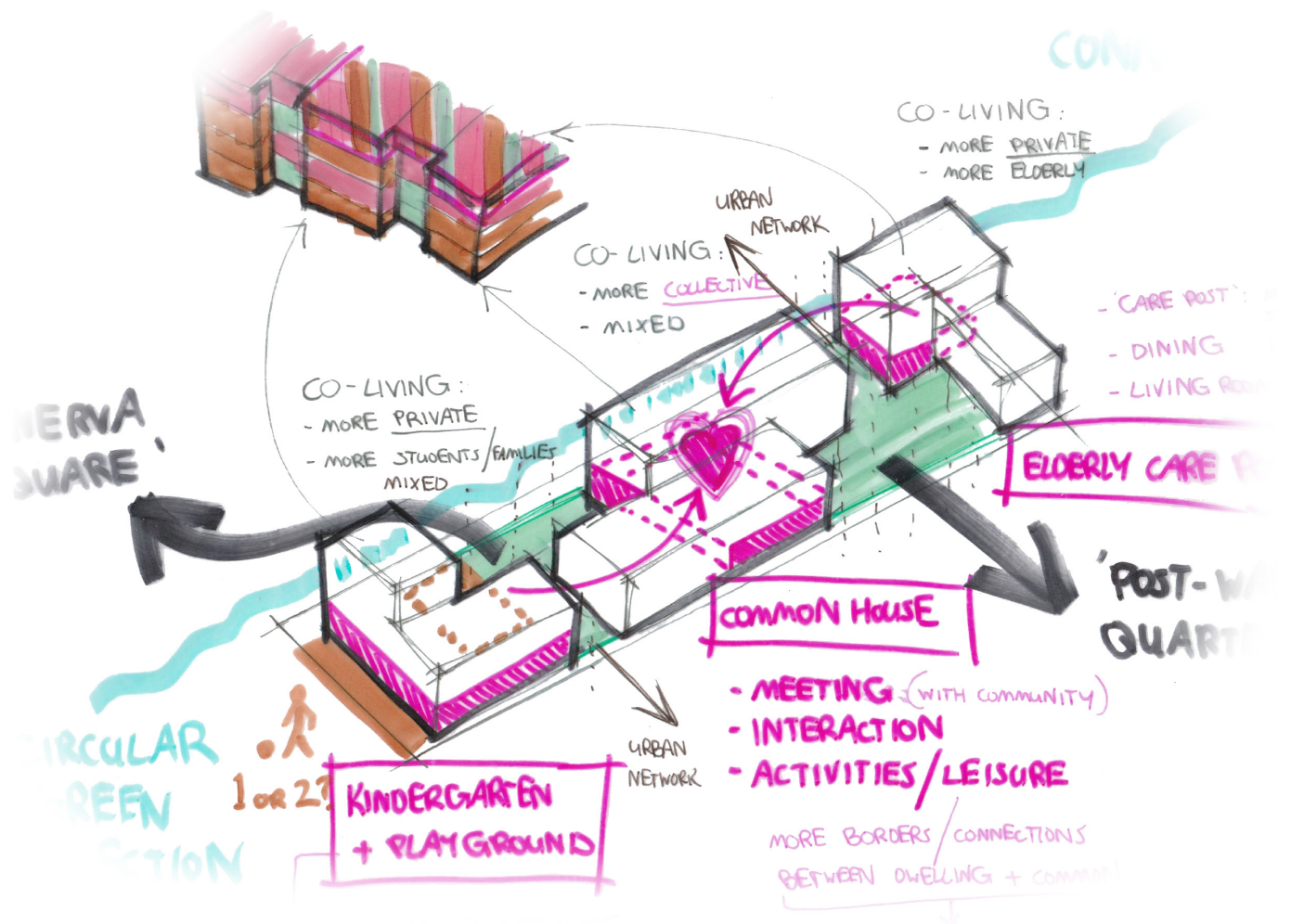


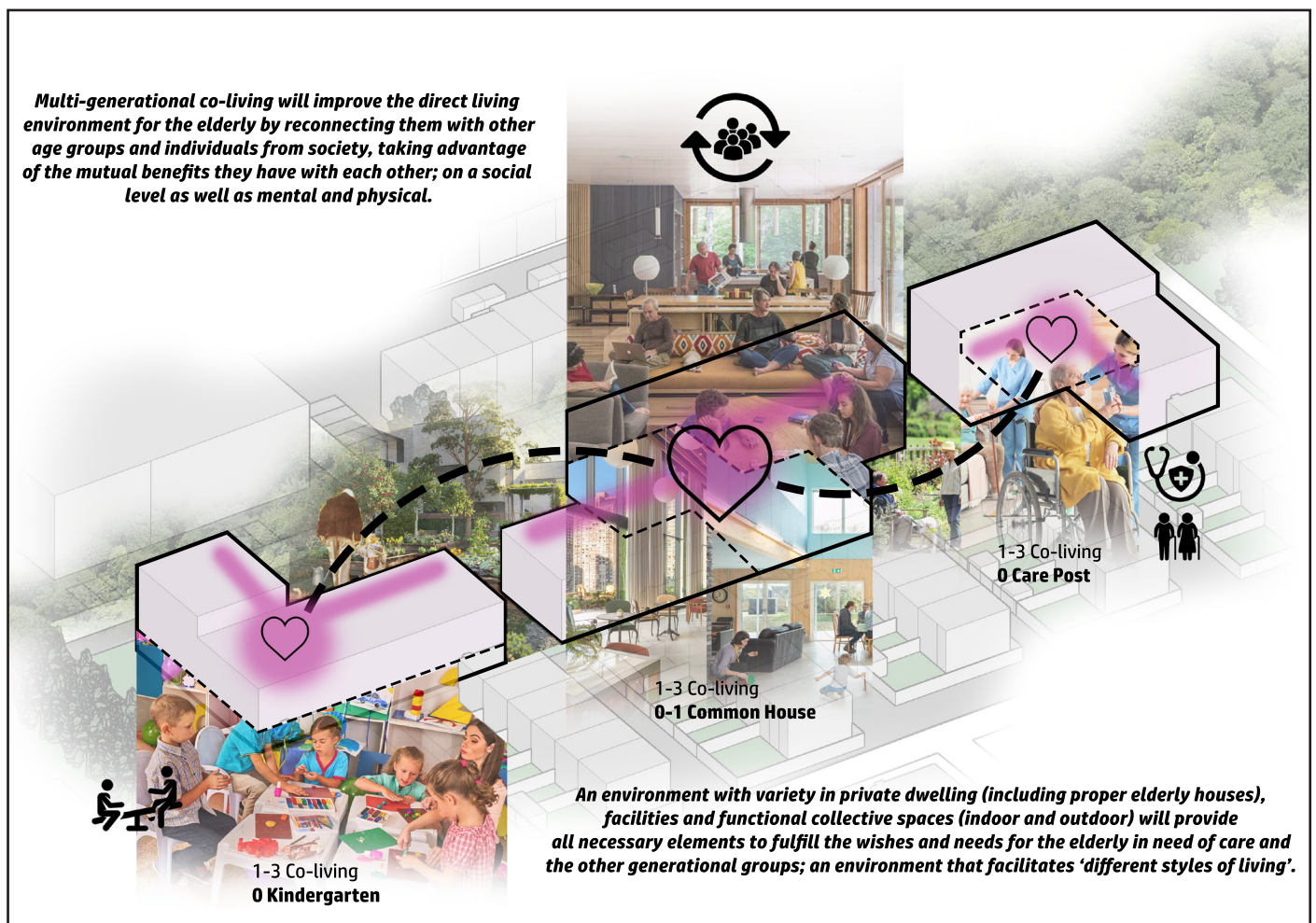
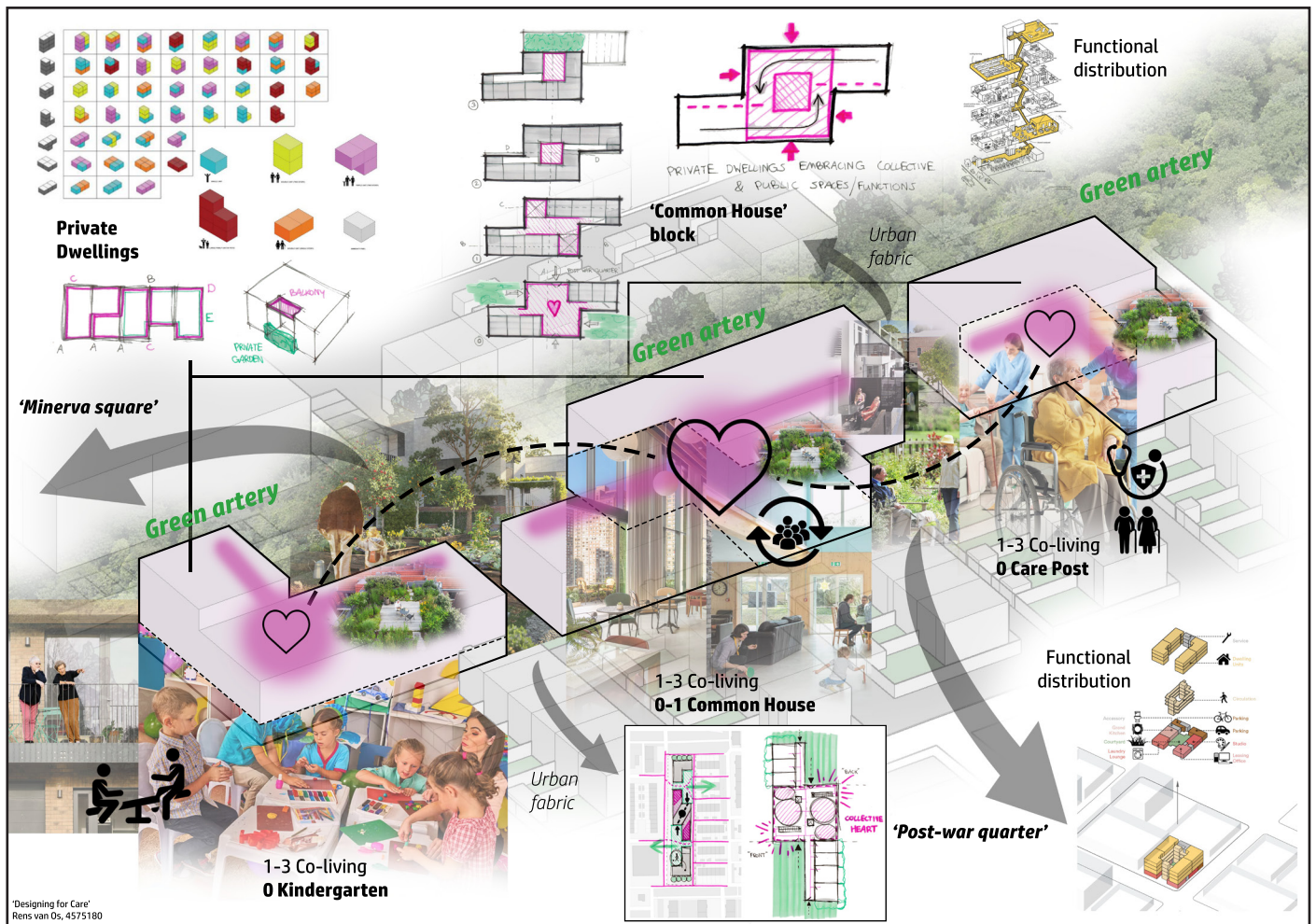


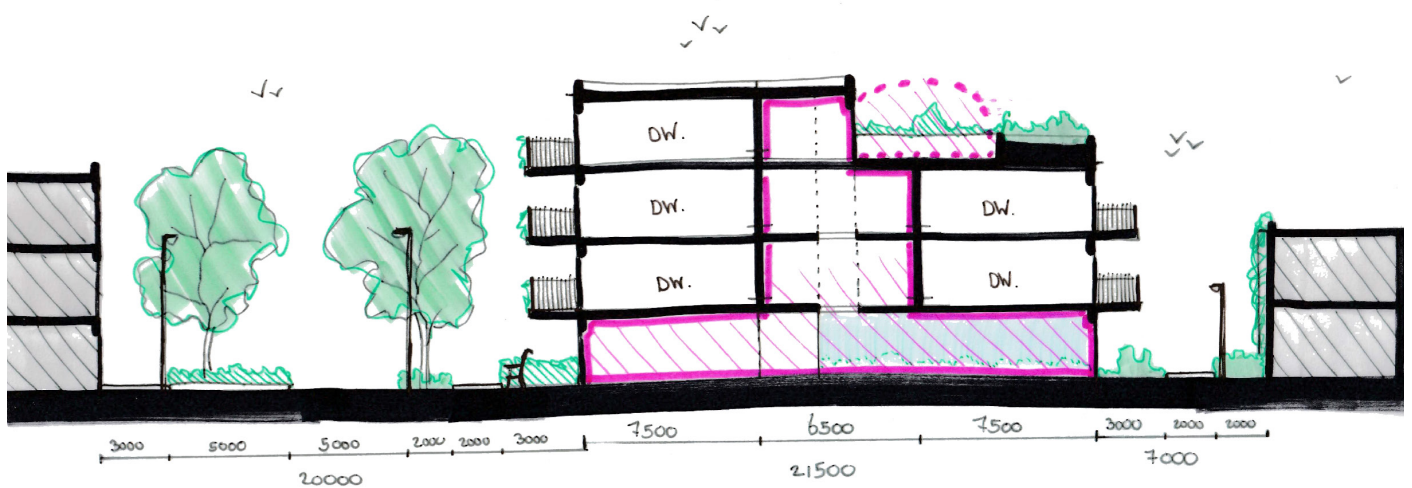
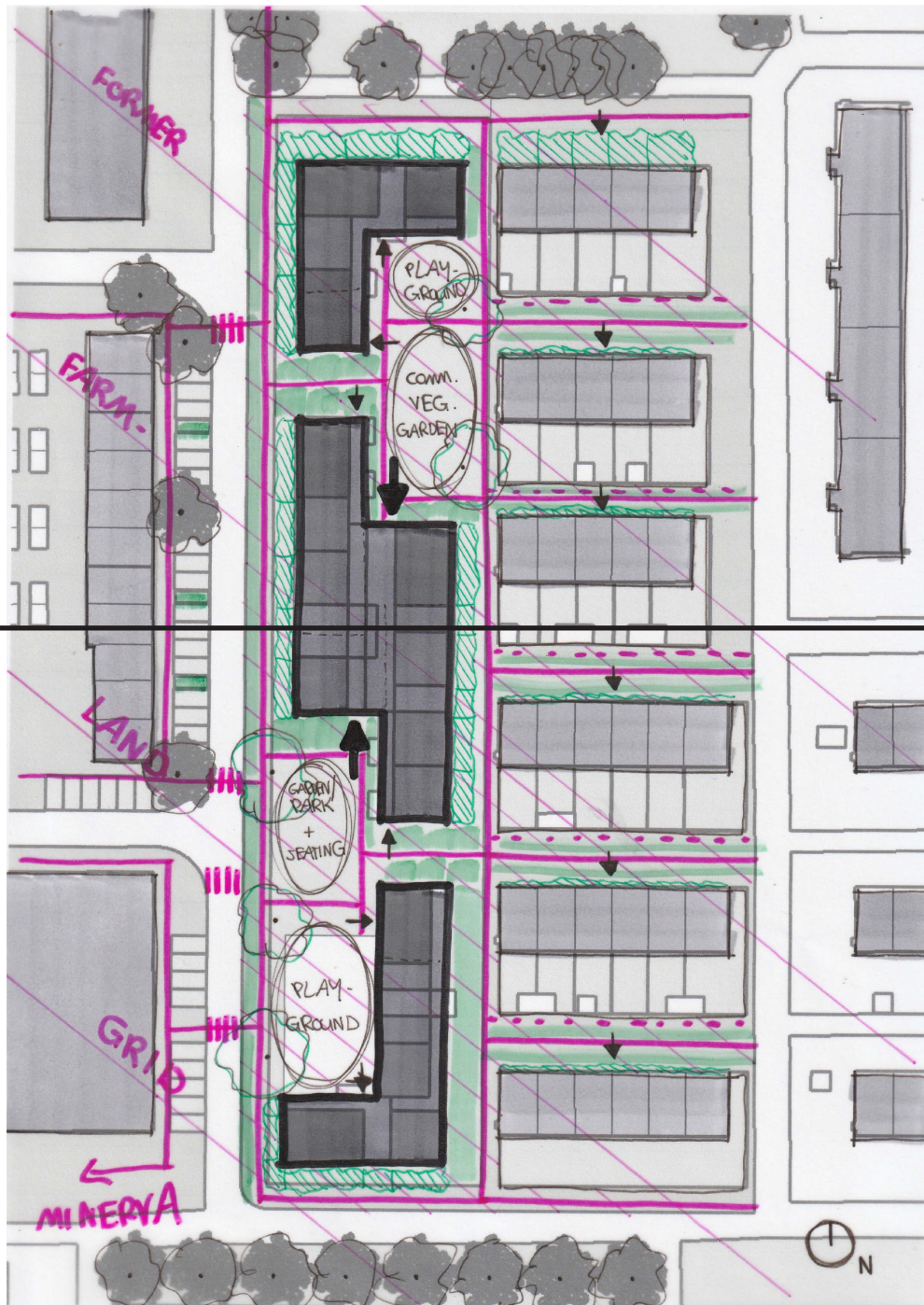


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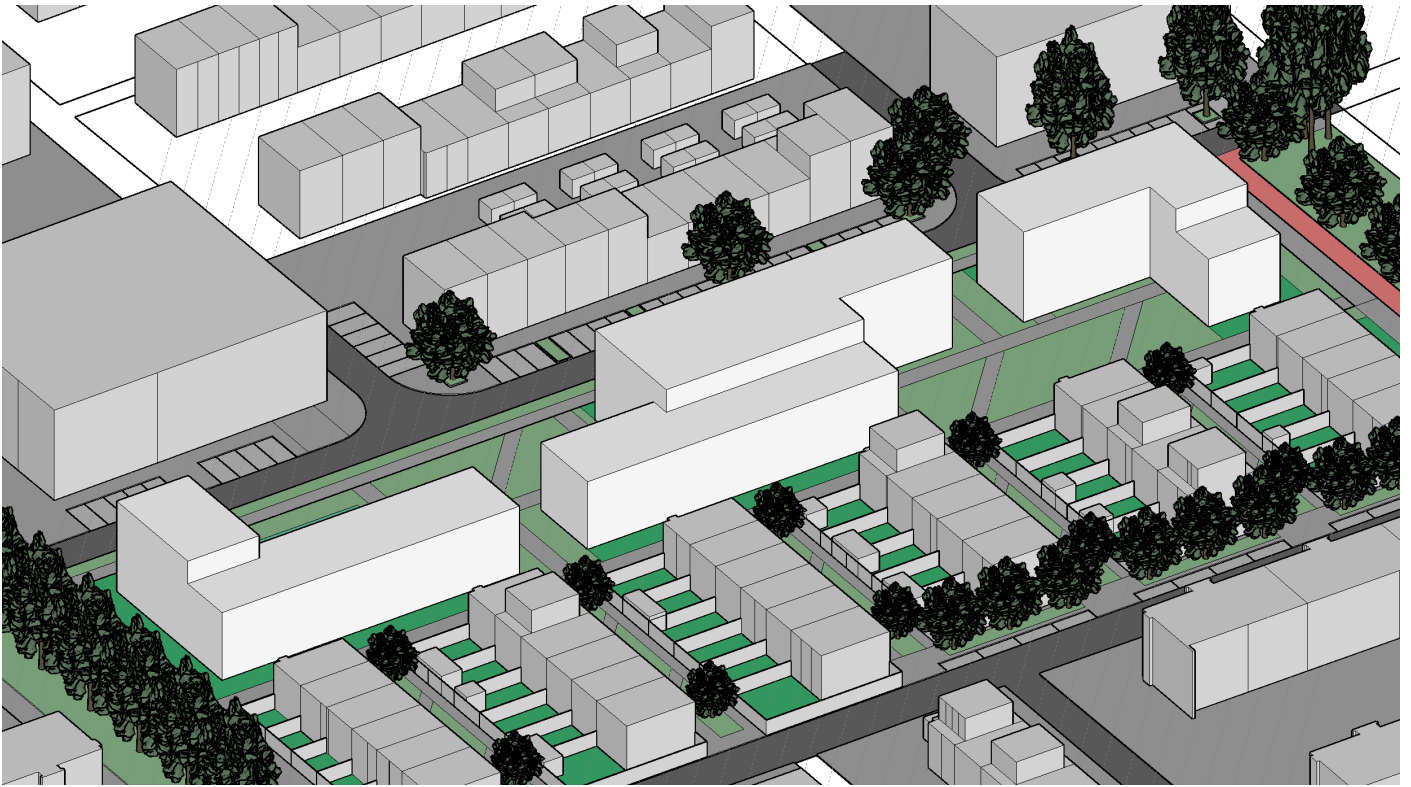
Week 2

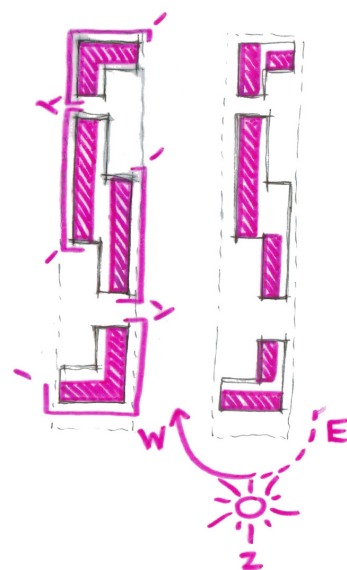
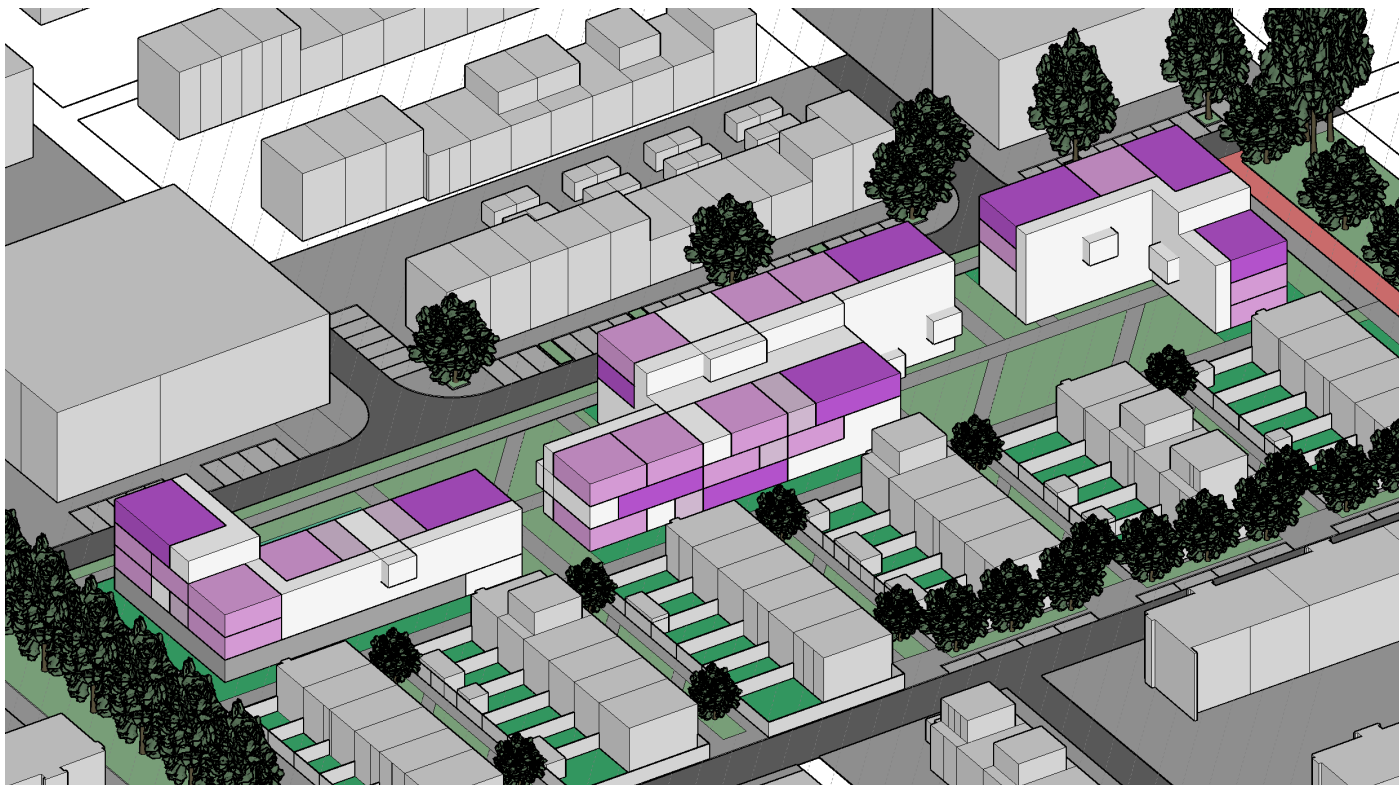


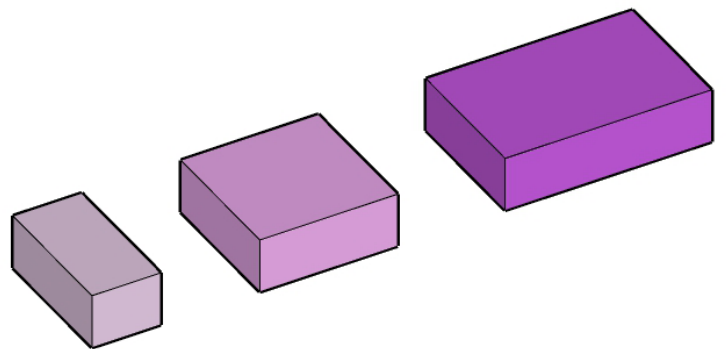
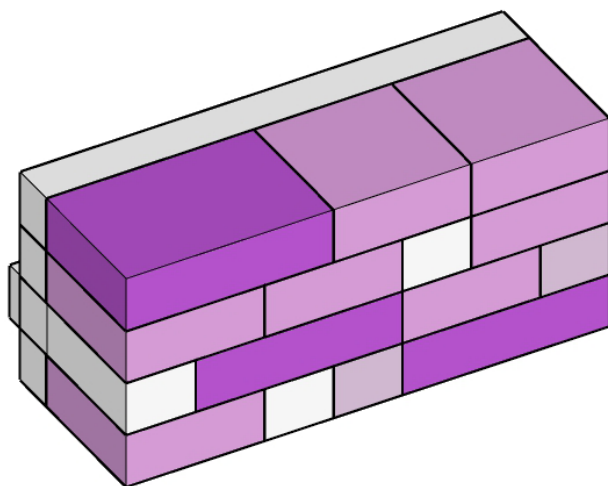
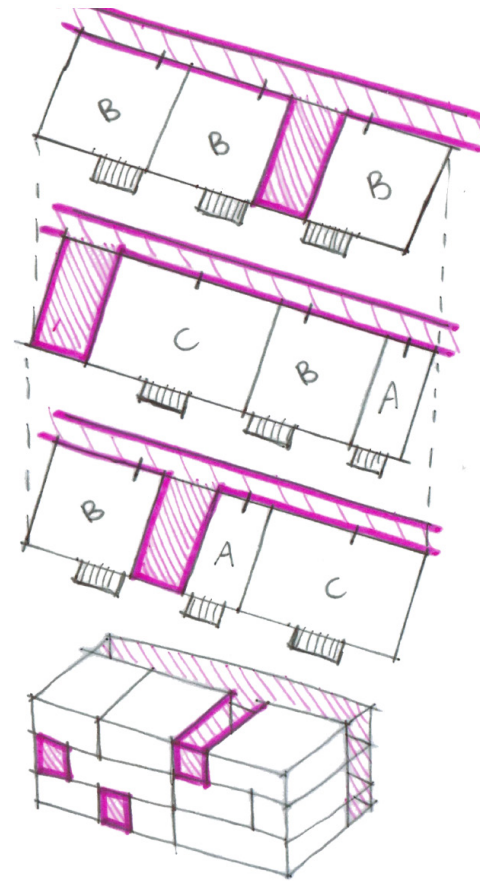
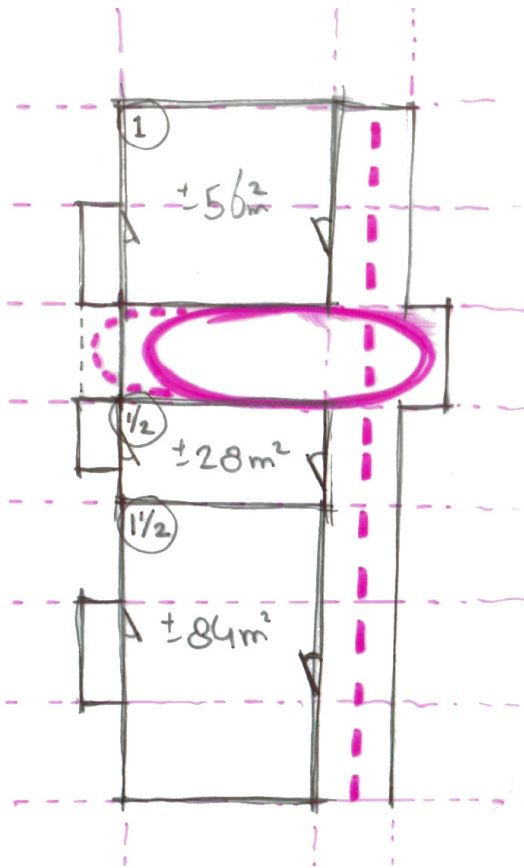


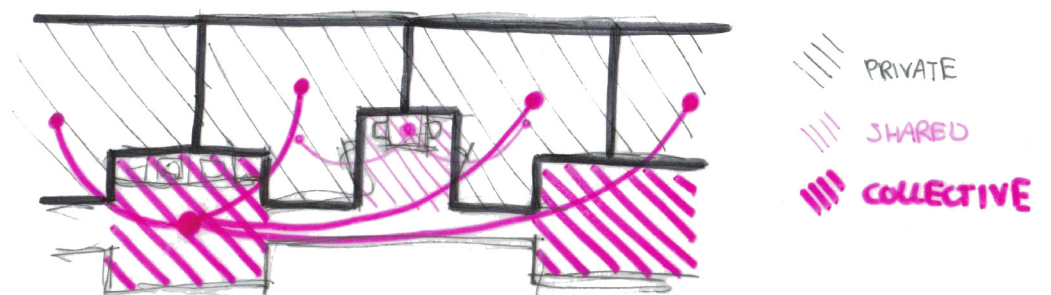
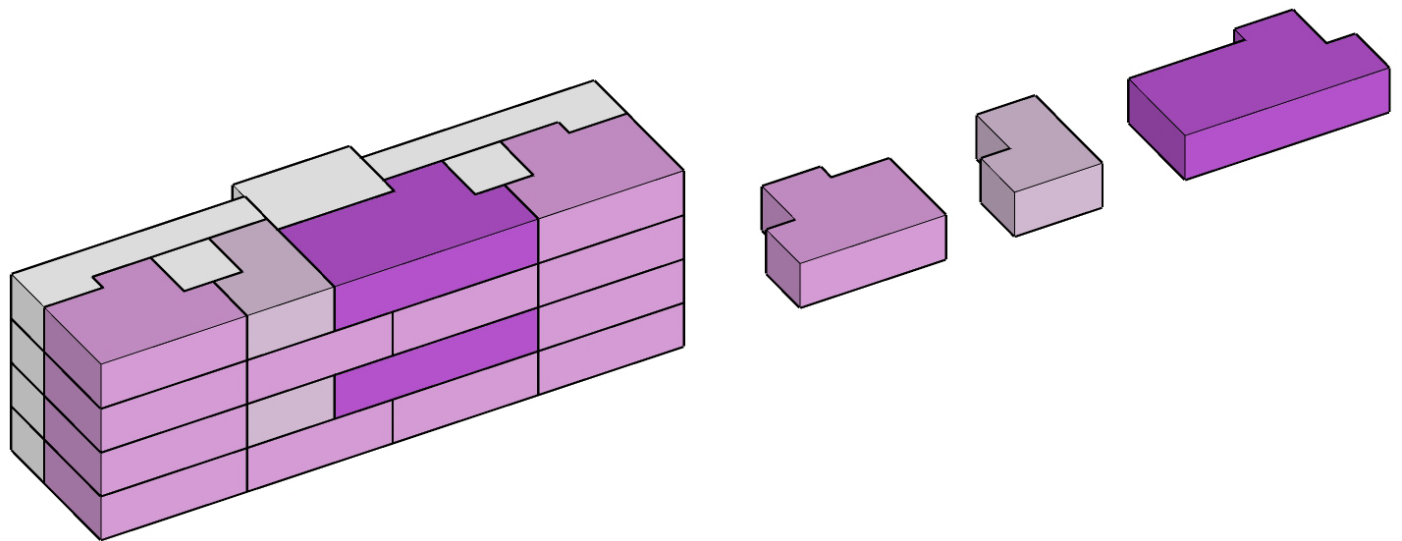
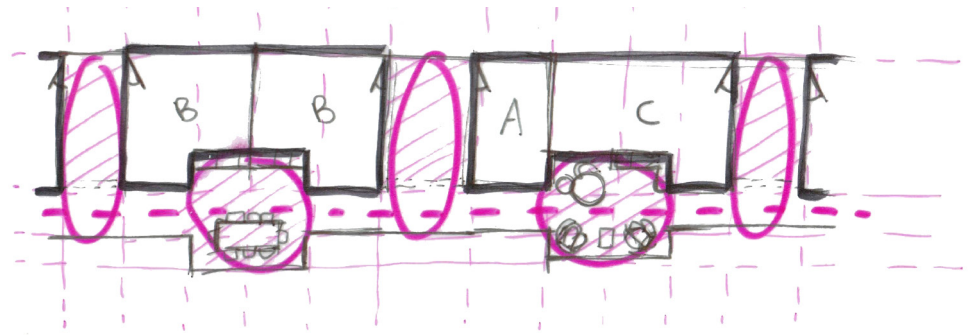
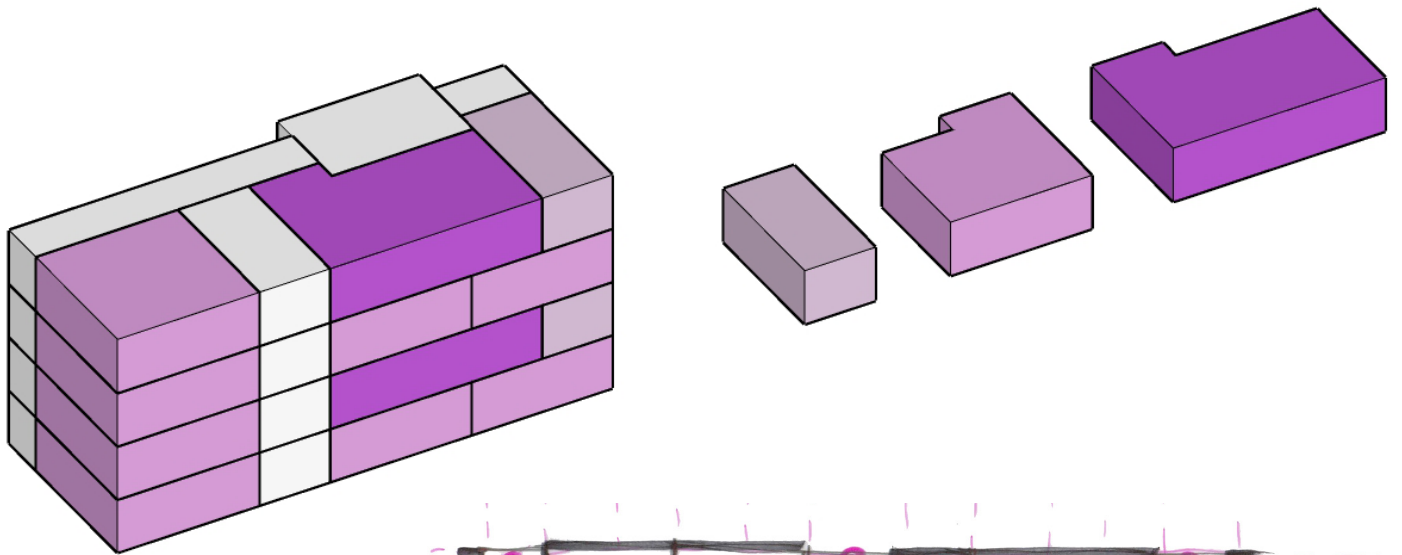


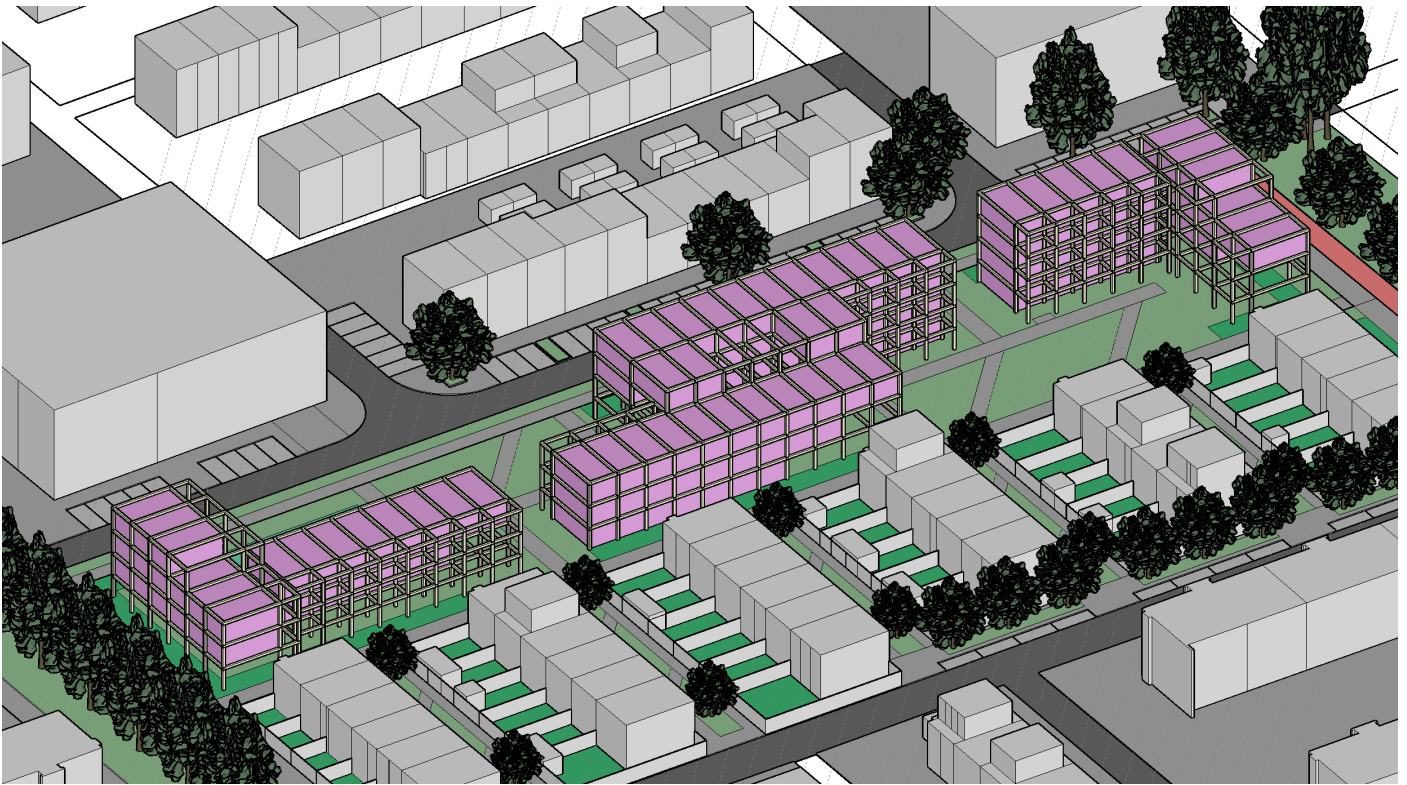


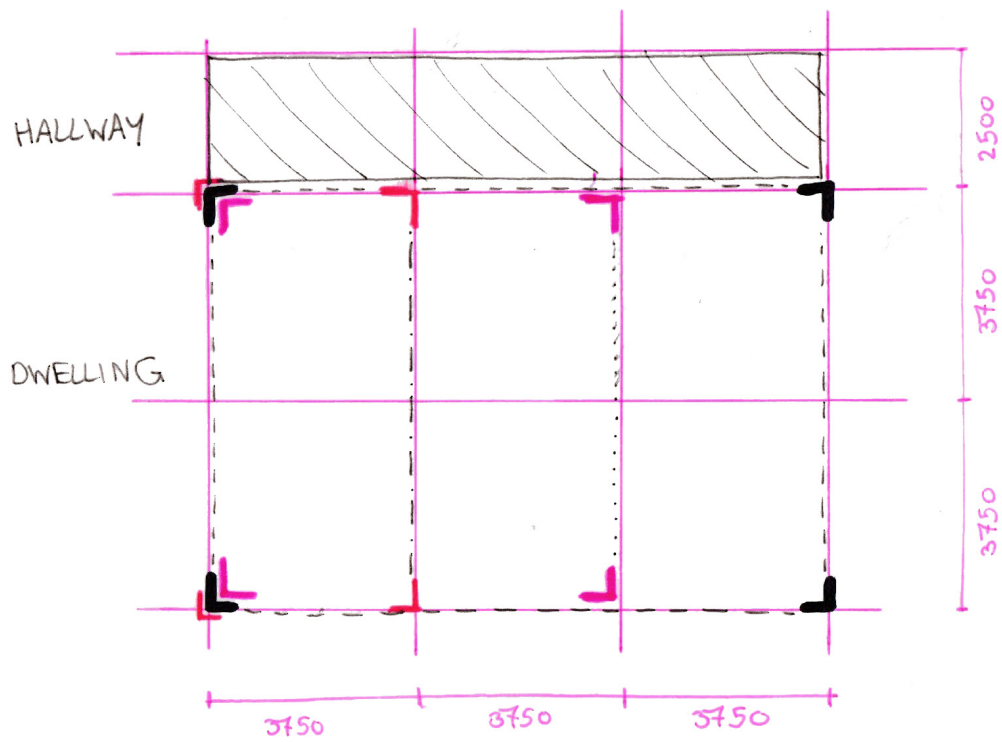






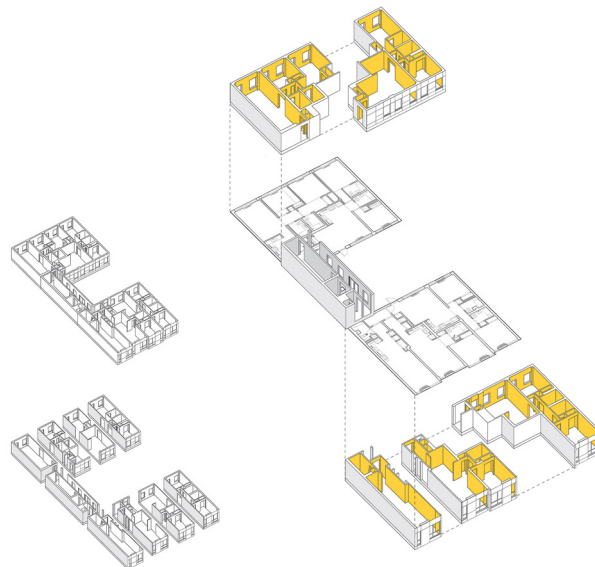






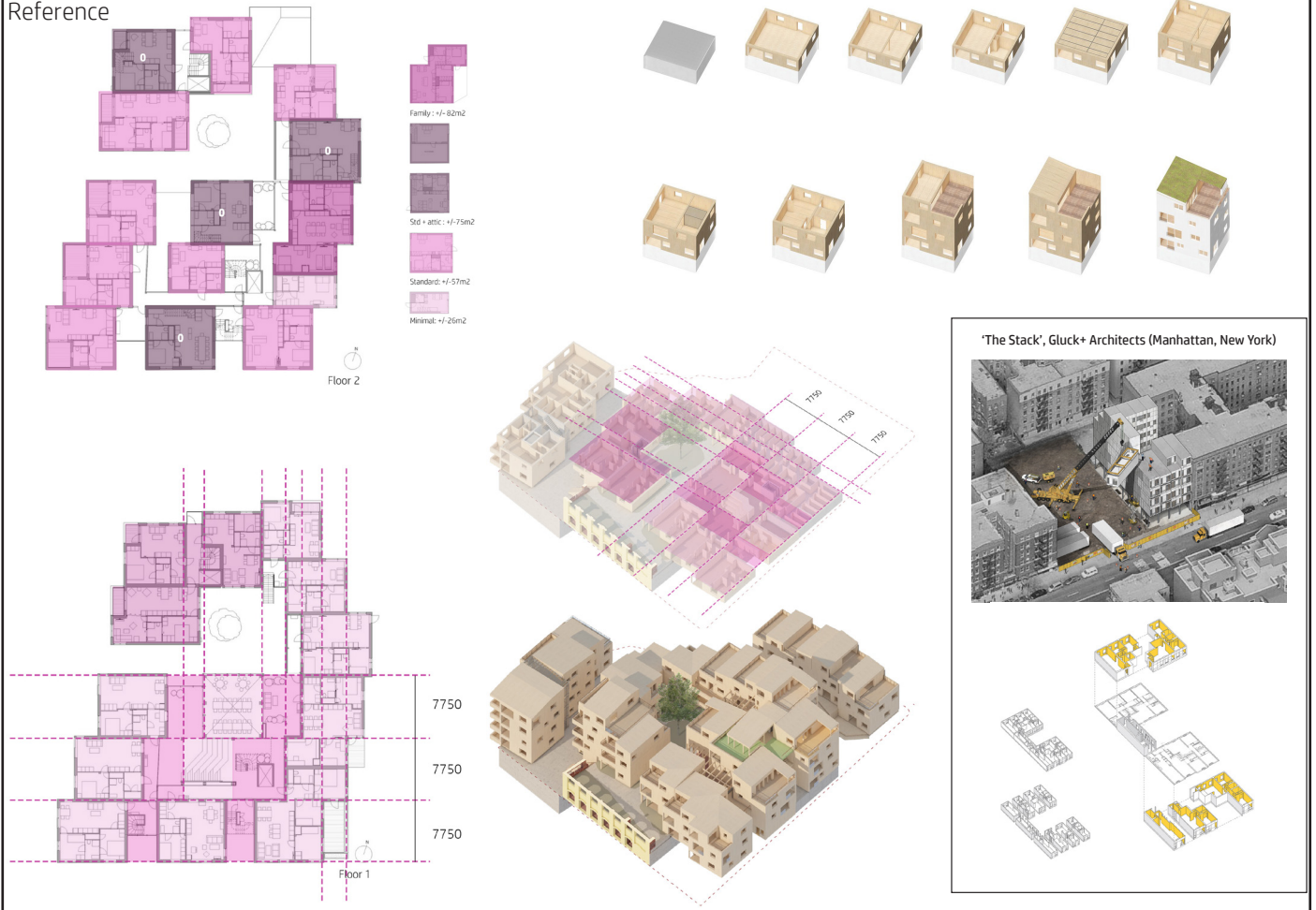
L : 3 UNITS = FAMILY **L** : 2 UNITS = ELDERLY (COUPLE) **L** : 1 UNIT = STUDENT / SINGLE

'The Stack'
Gluck+ Architects
(Manhattan, New York)



Sample Floor Plan
0' 5' 10' 20'

Reference



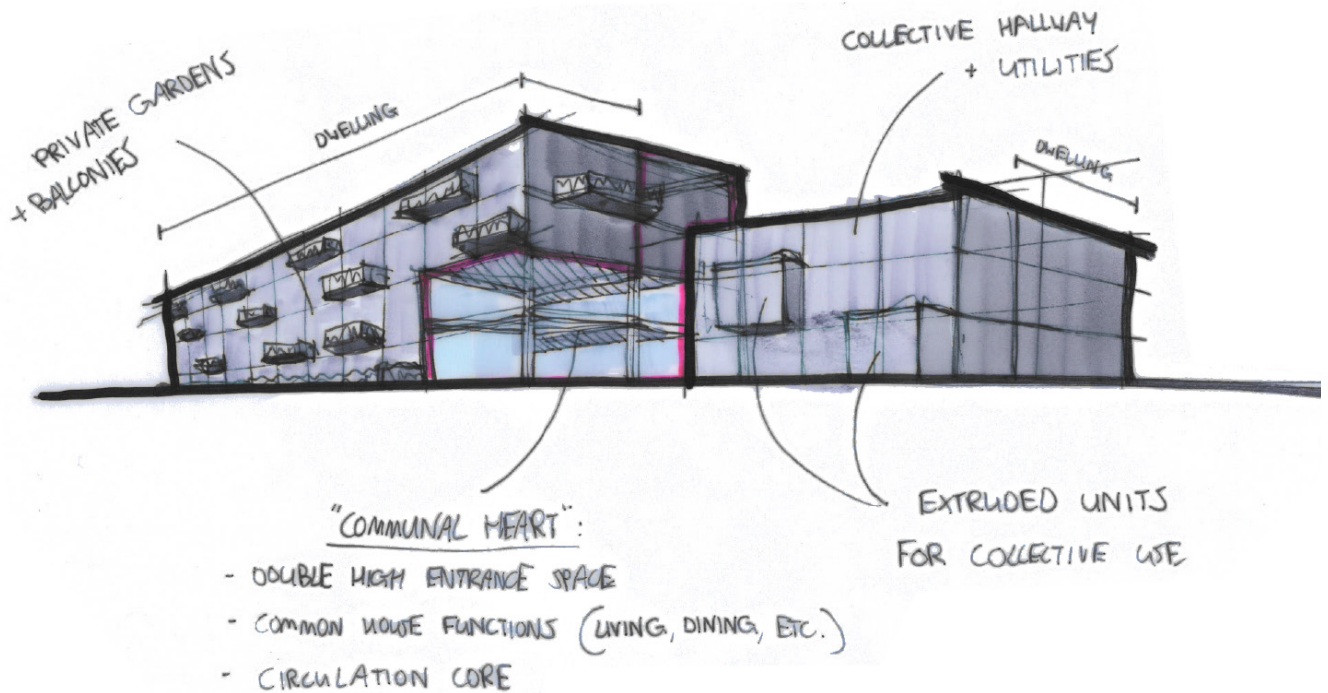
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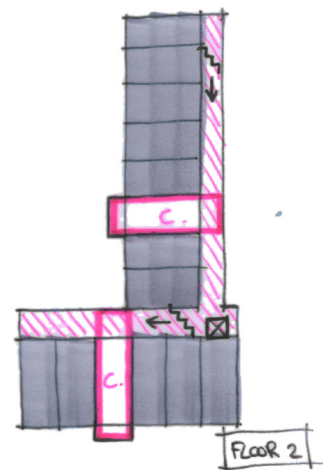
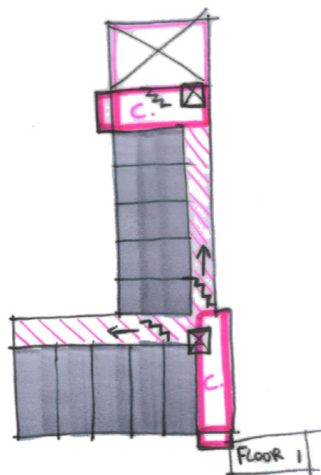
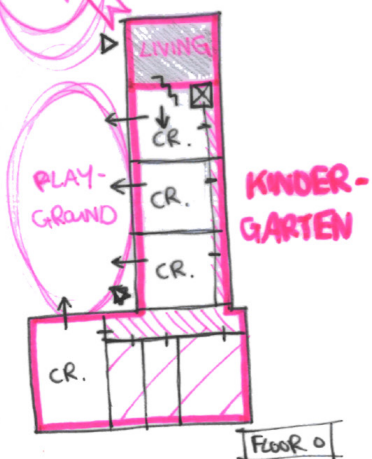
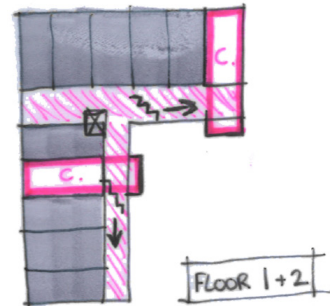
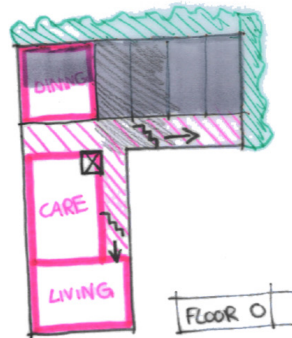
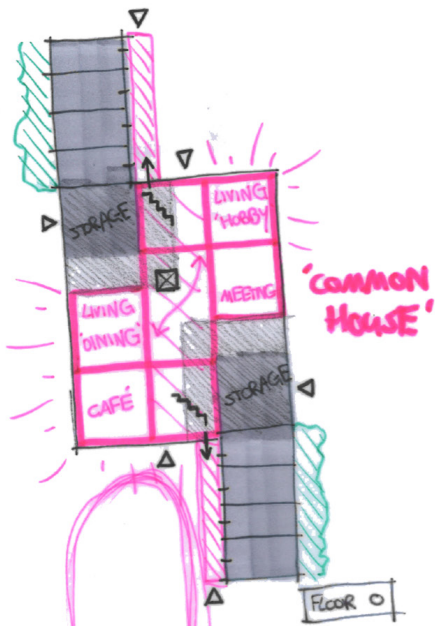
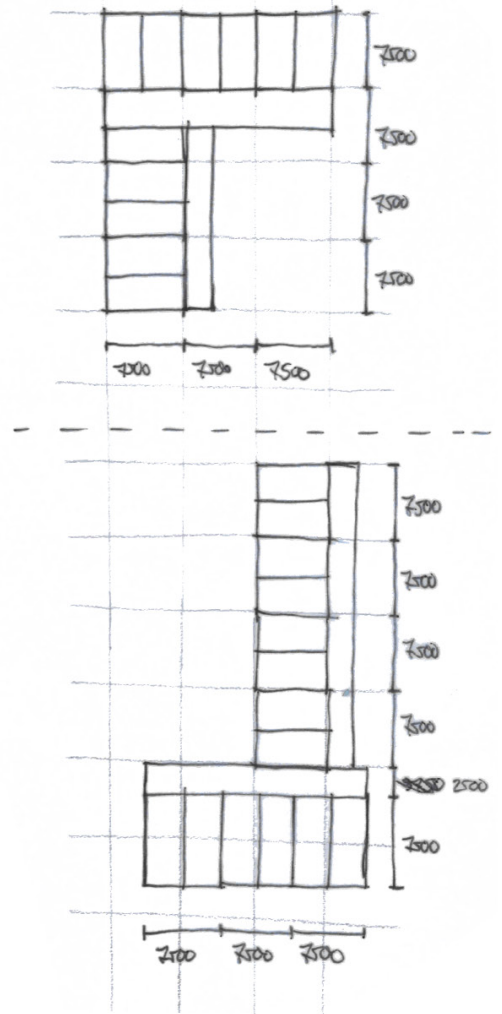
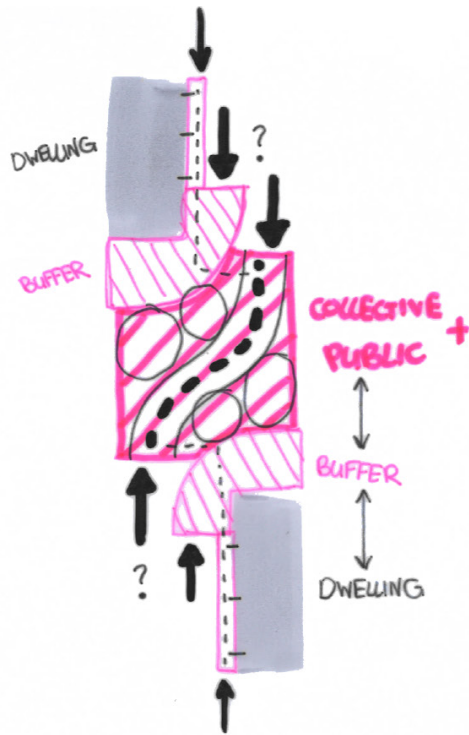
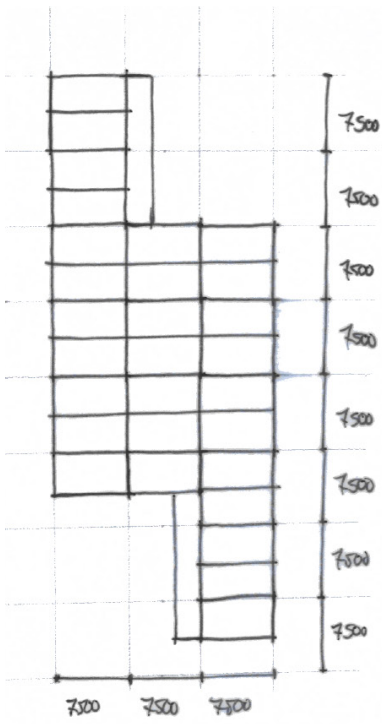


Reference



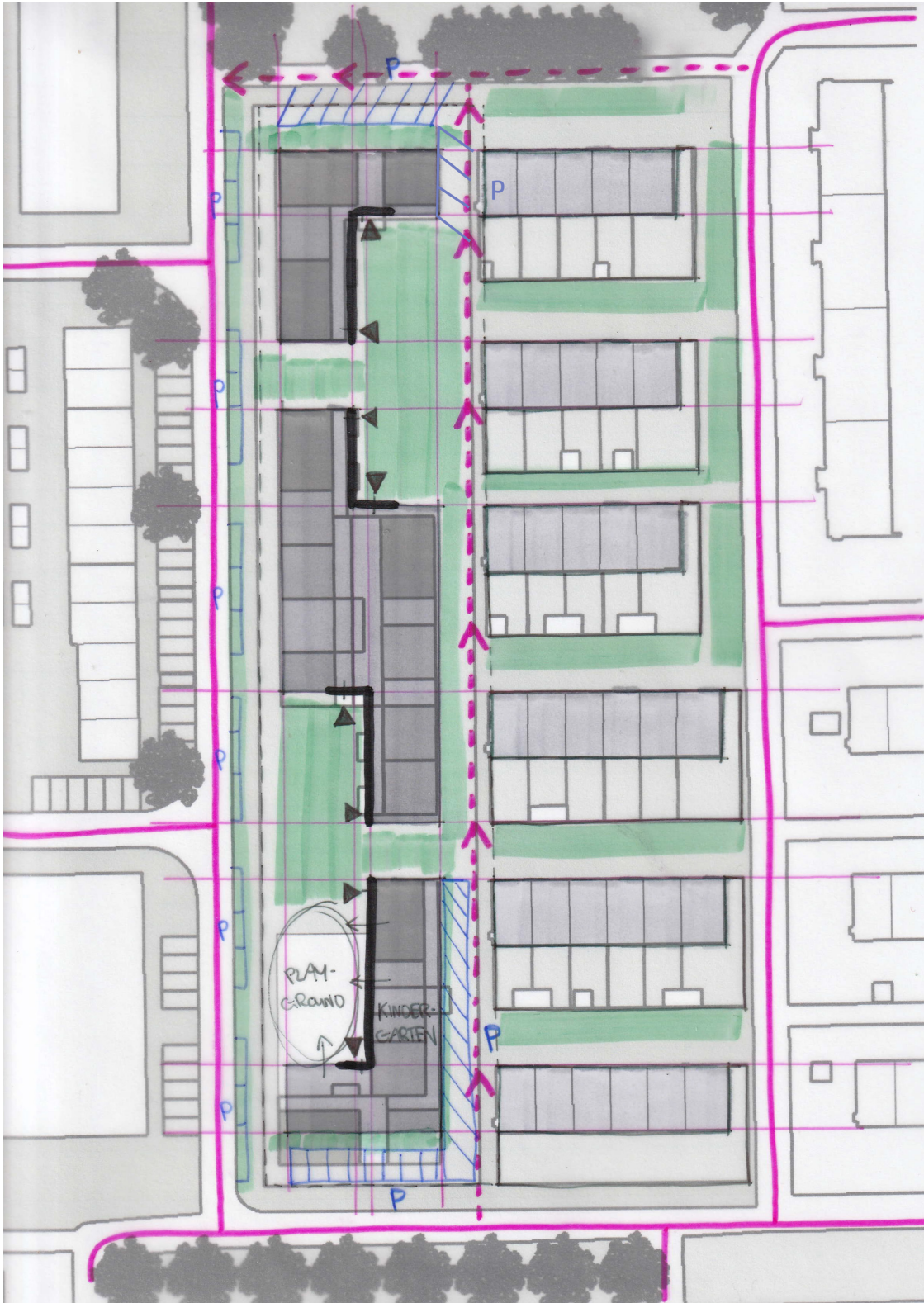
'SilviaBo', Skanska and IKEA, Stockholm, Sweden



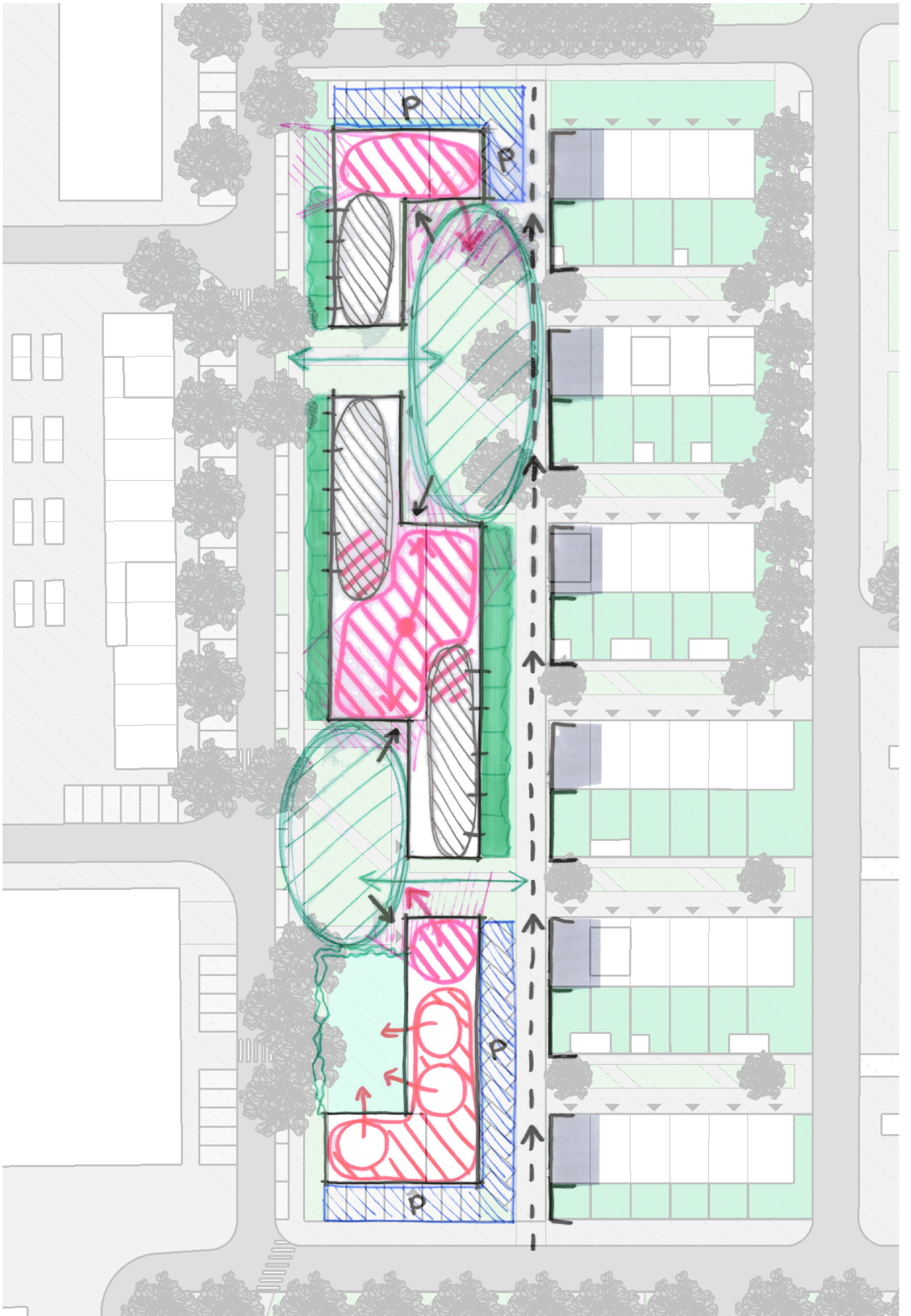


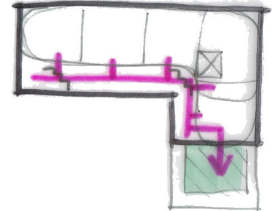
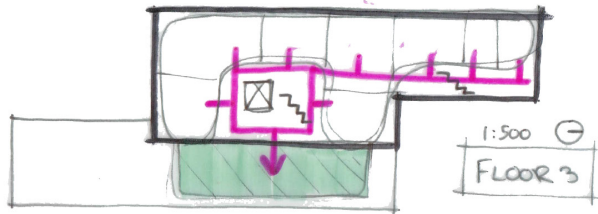
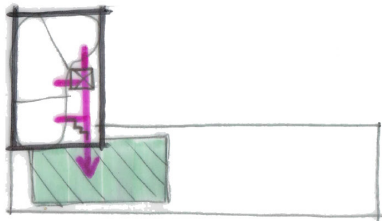
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Week 3

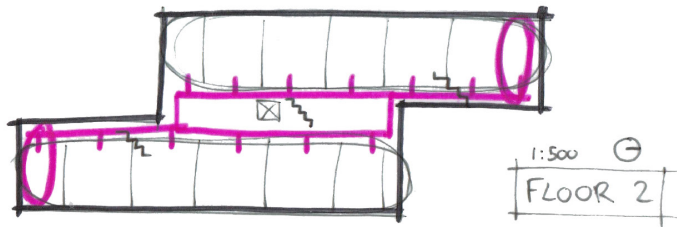




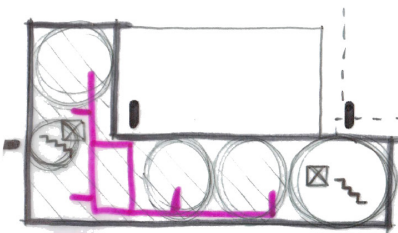
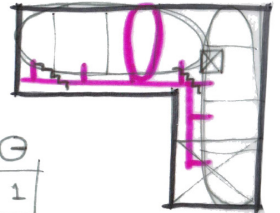
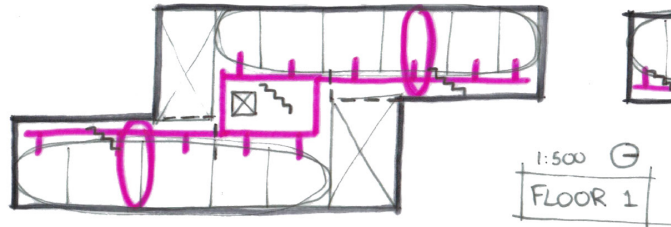
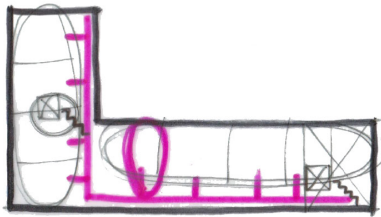




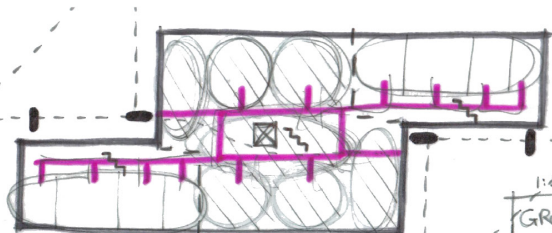
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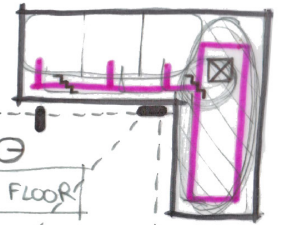
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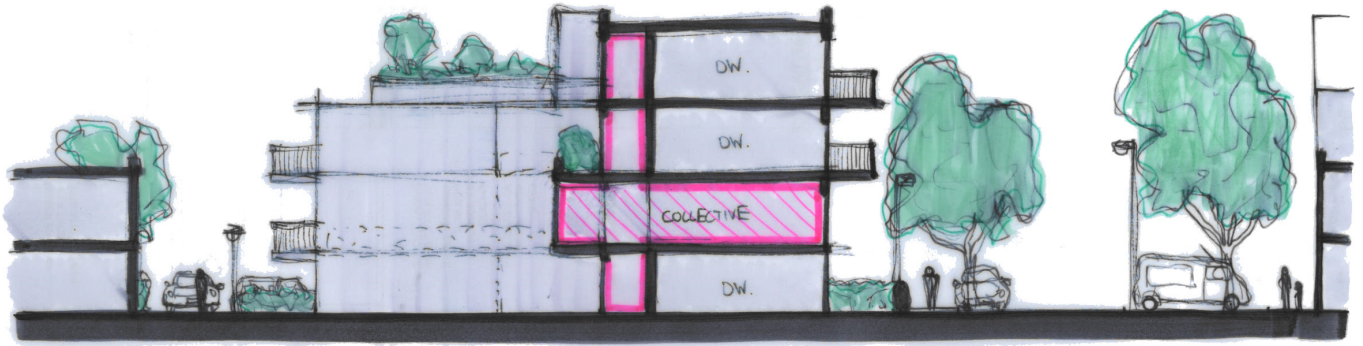
KINDER GARTEN



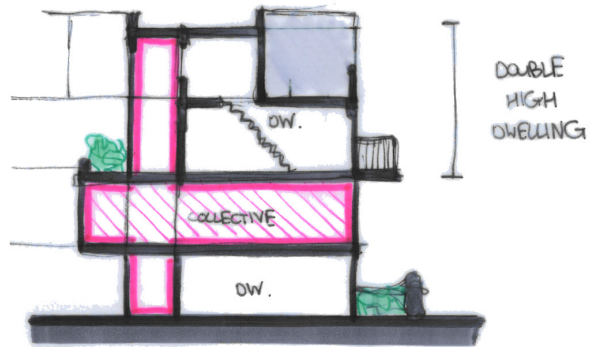
COMMON HOUSE



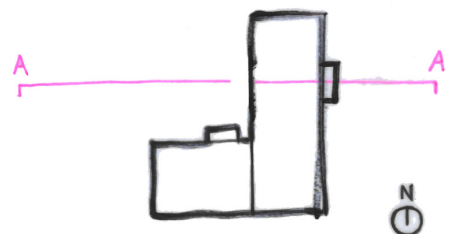
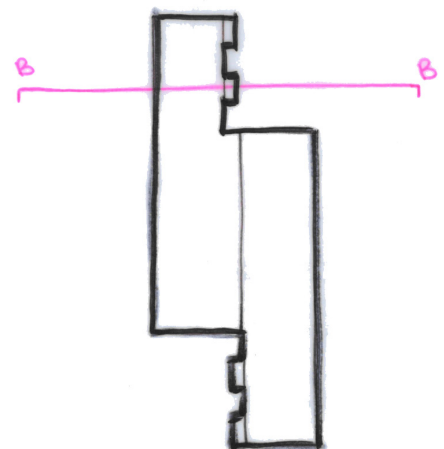
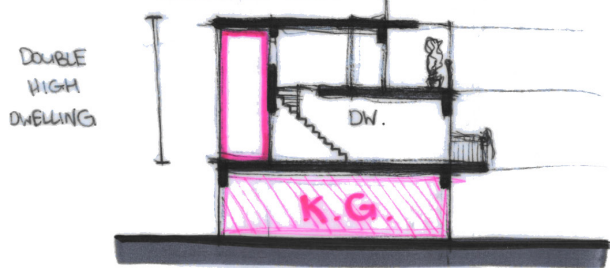
CARE-POST



SECTION BB

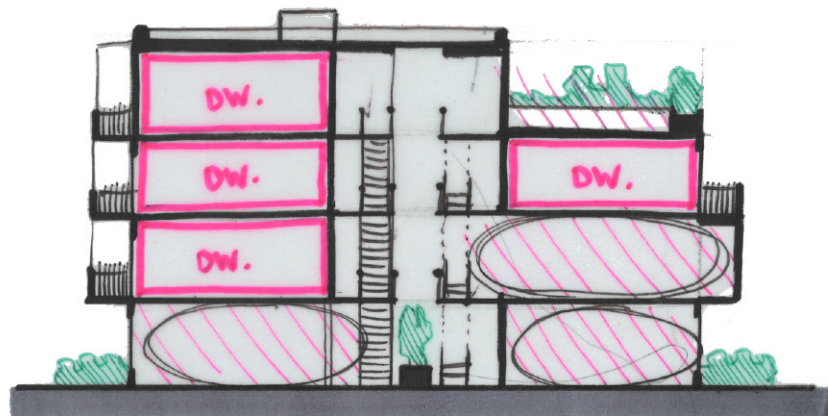
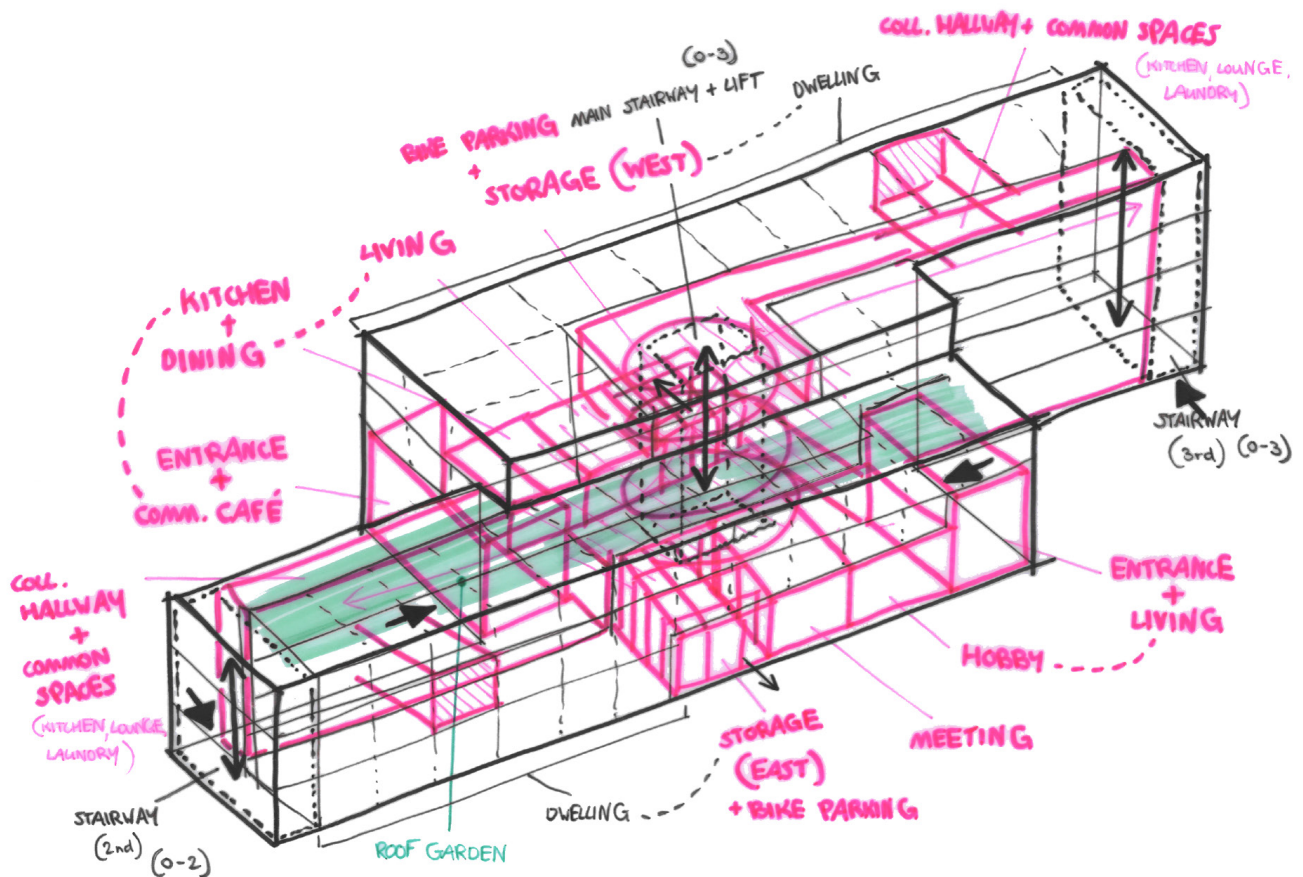


SECTION AA

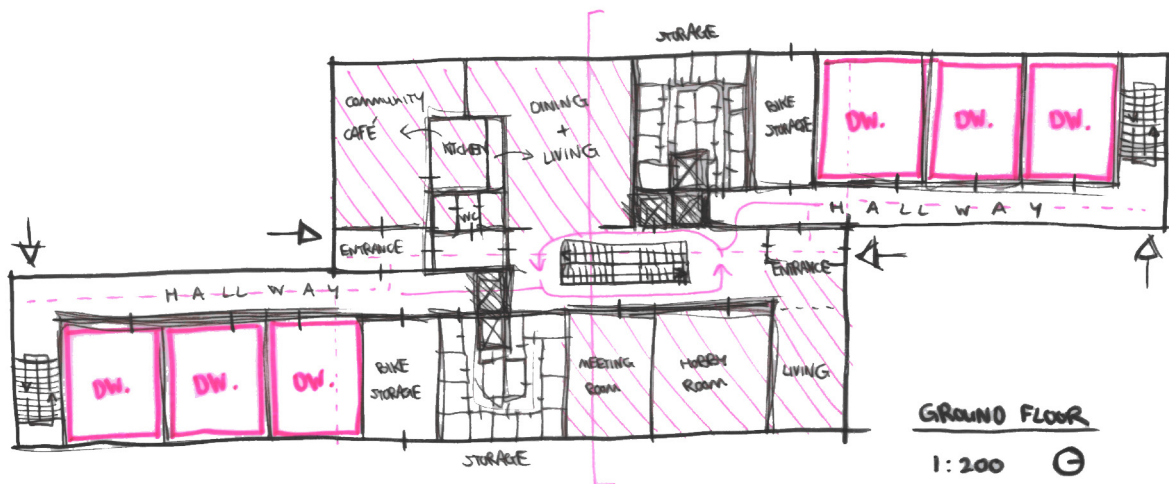
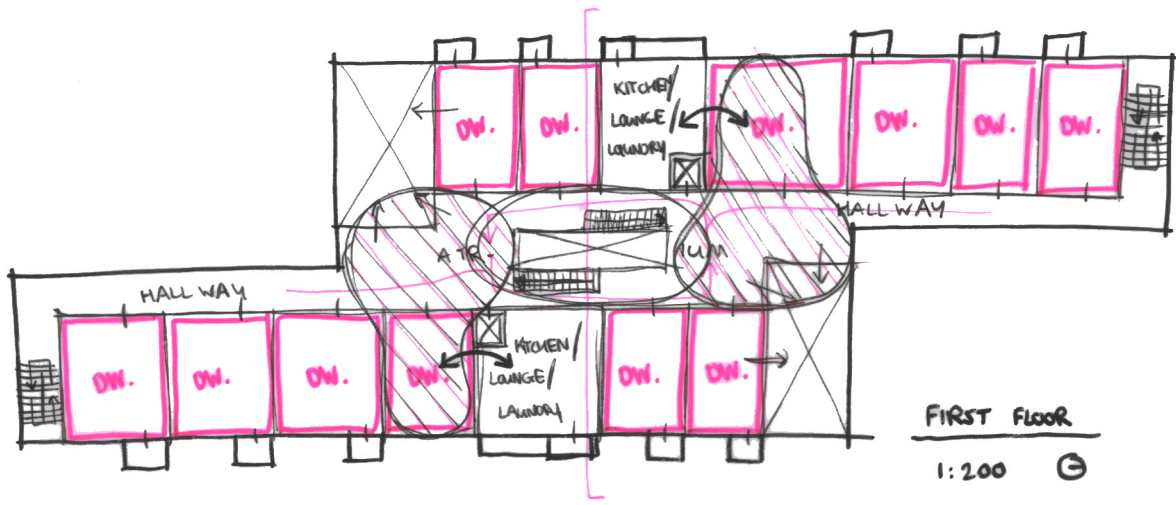


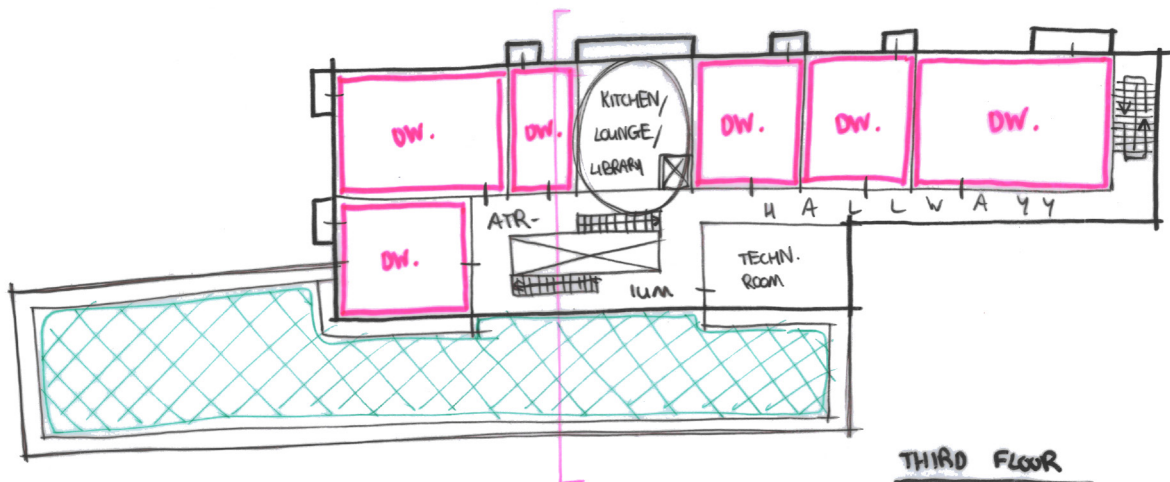
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Week 4

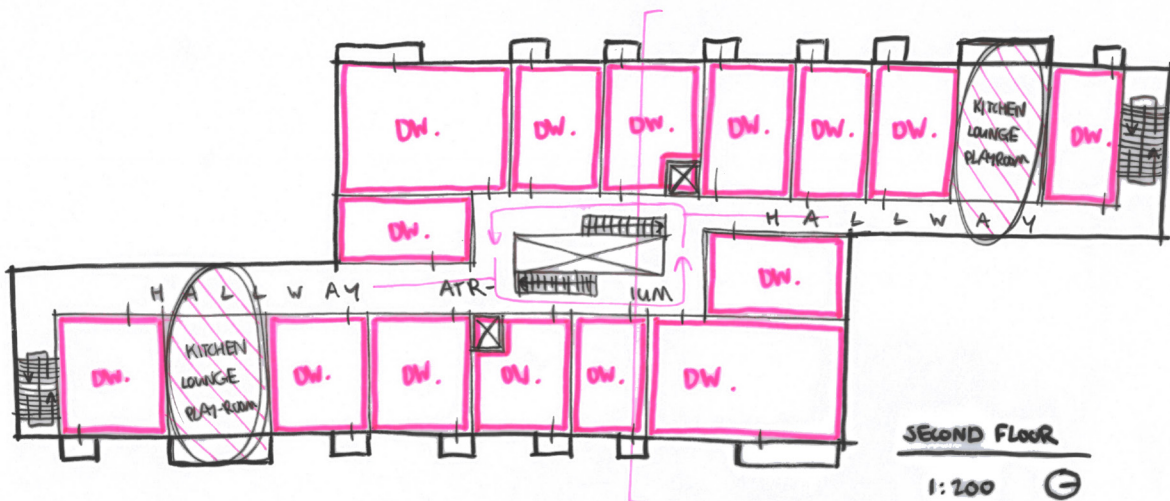


COMMON HOUSE

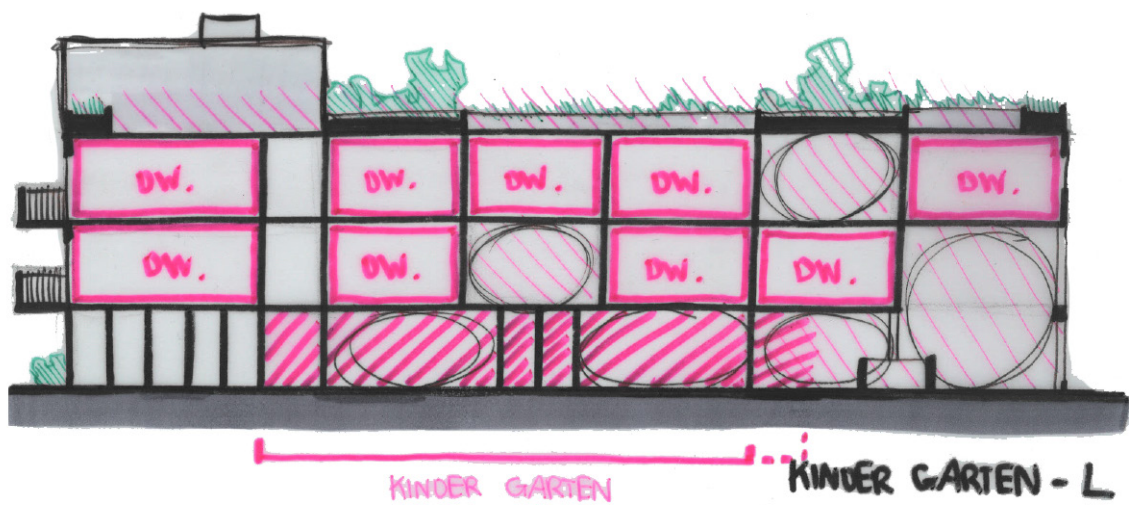
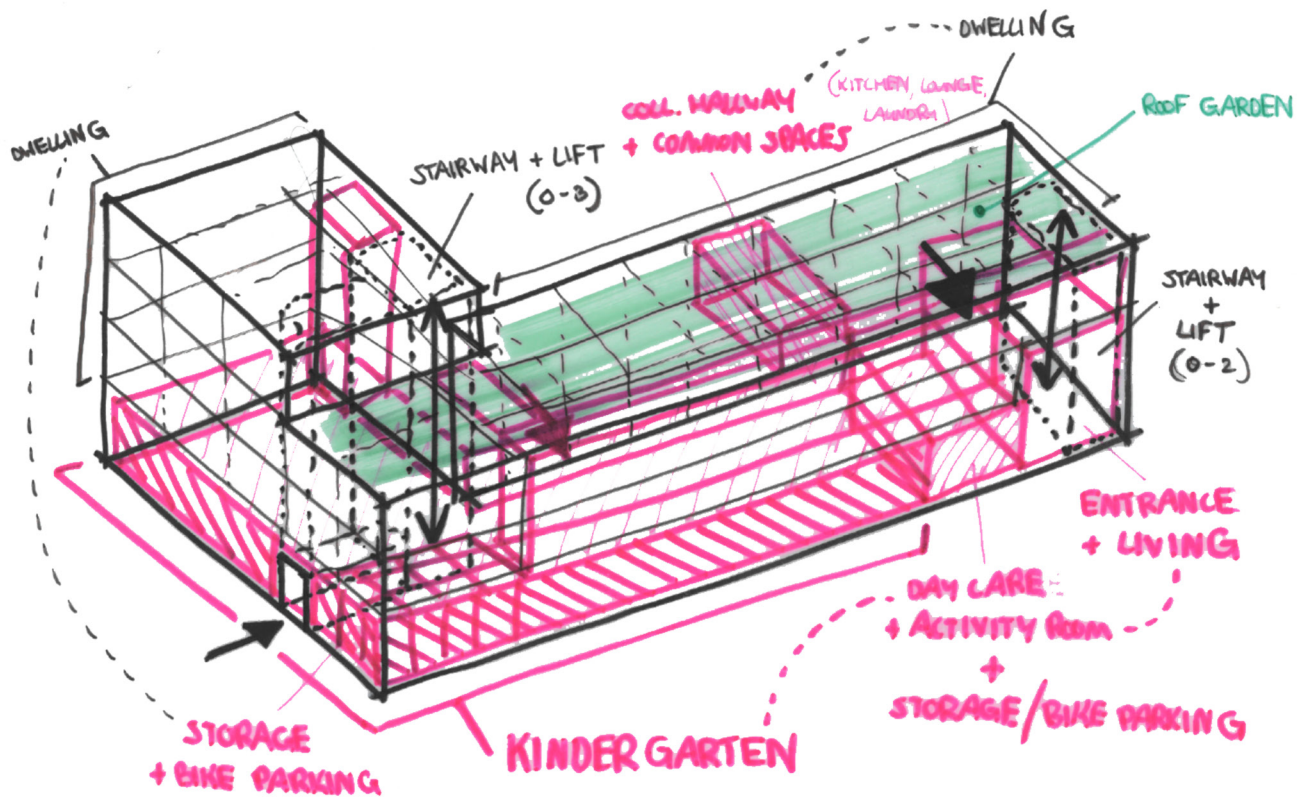


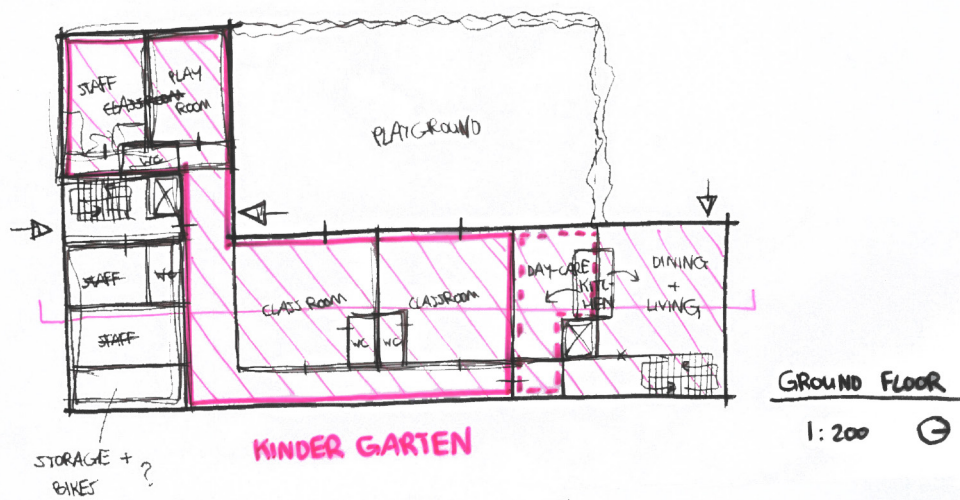
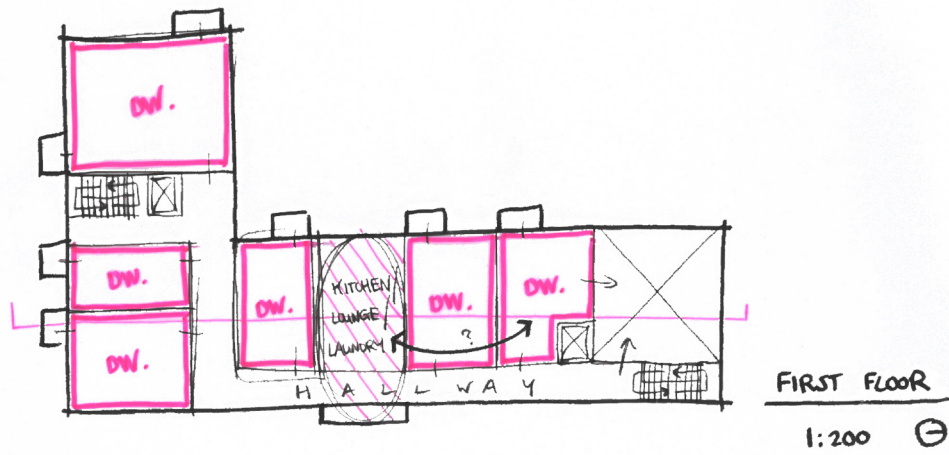


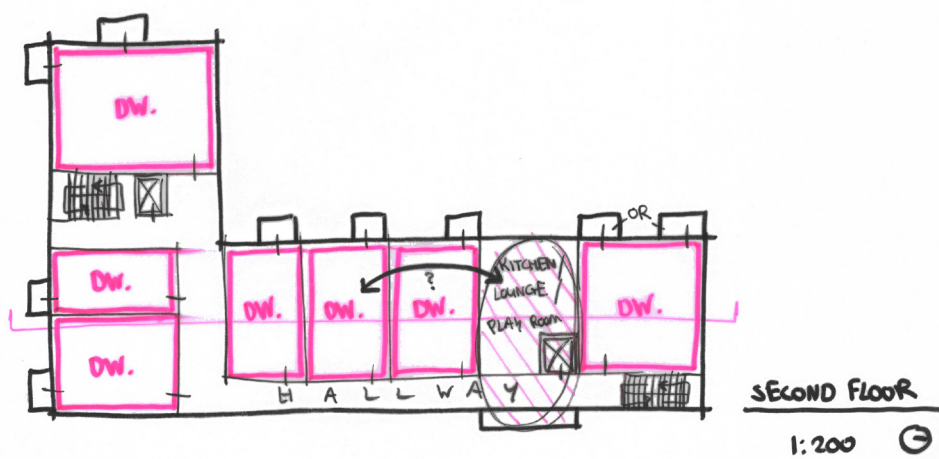
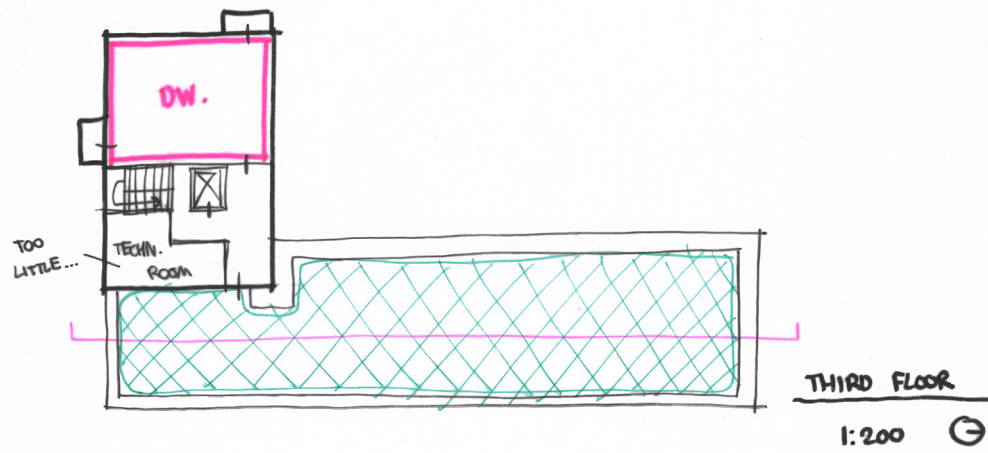
THIRD FLOOR
1:200 ☉

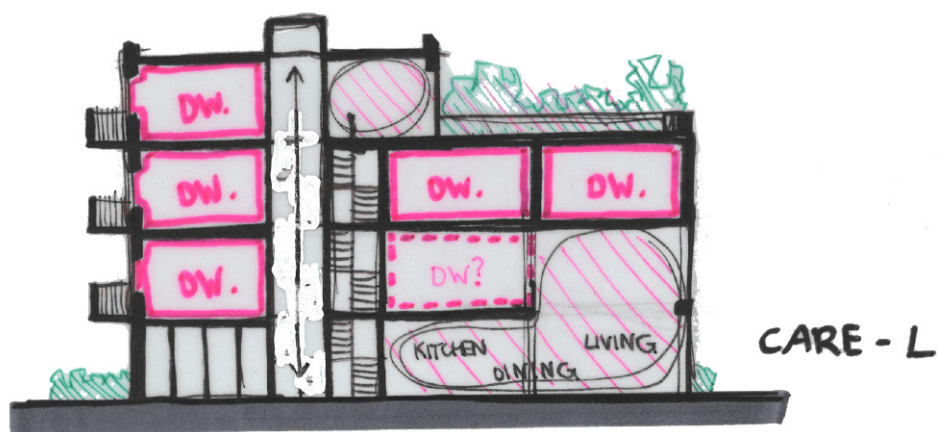
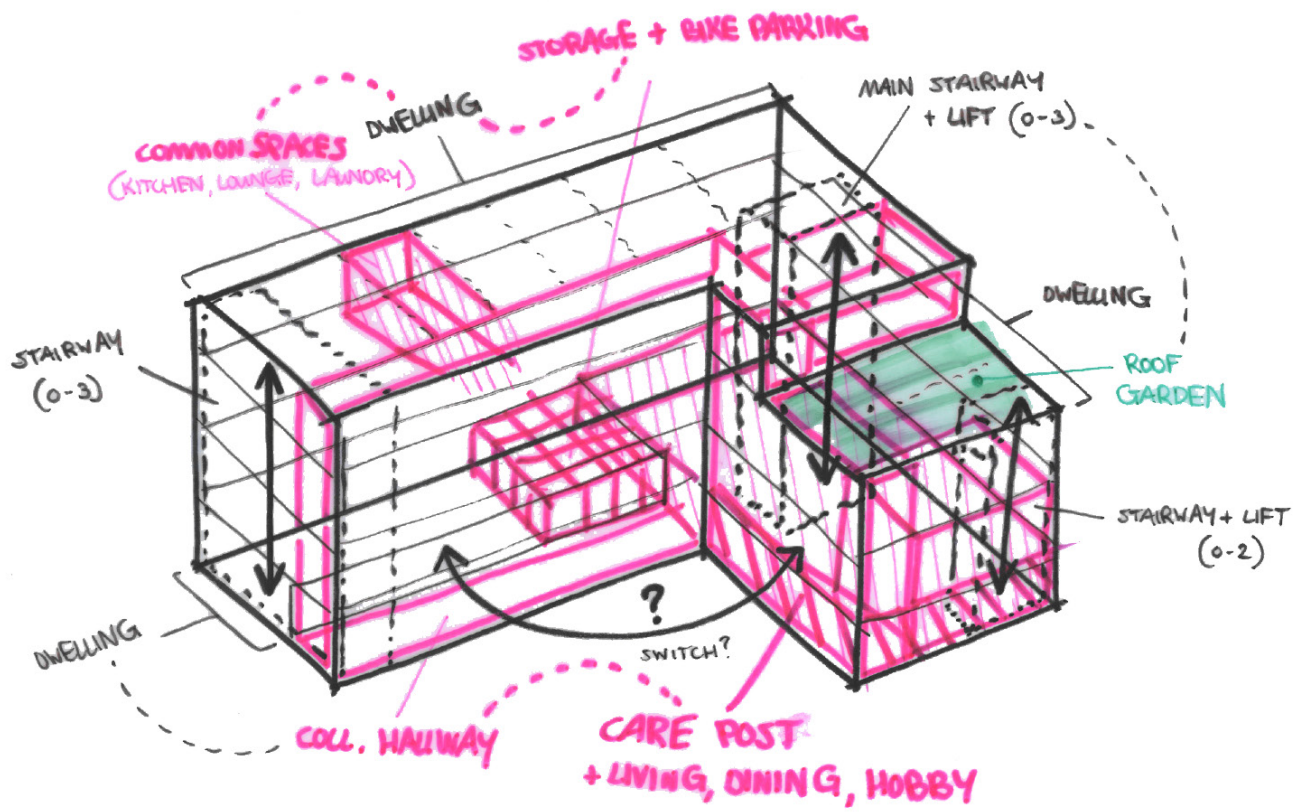


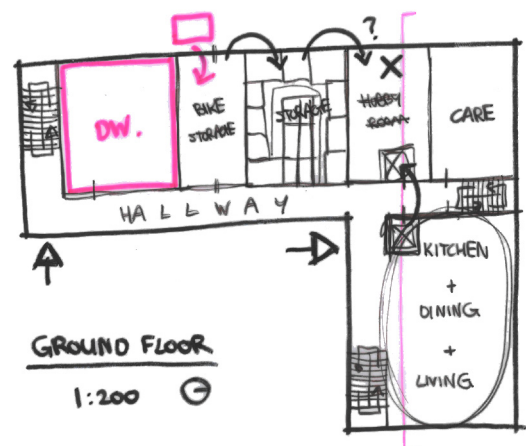
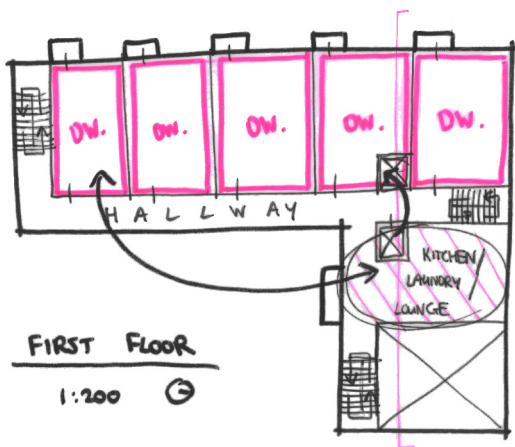
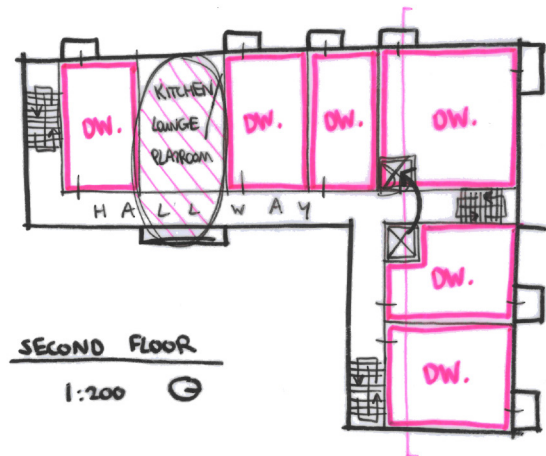
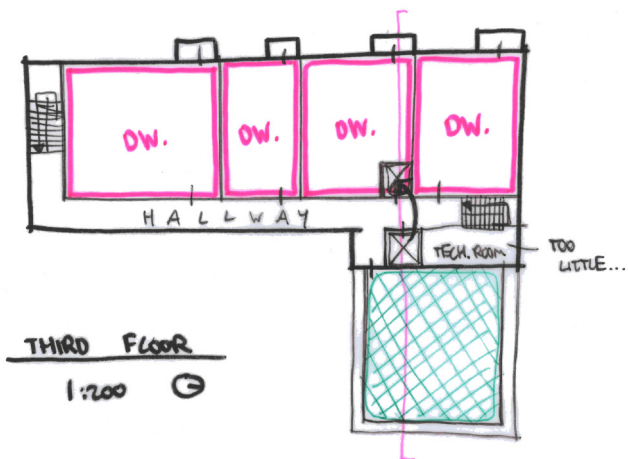
SECOND FLOOR
1:200 ☉

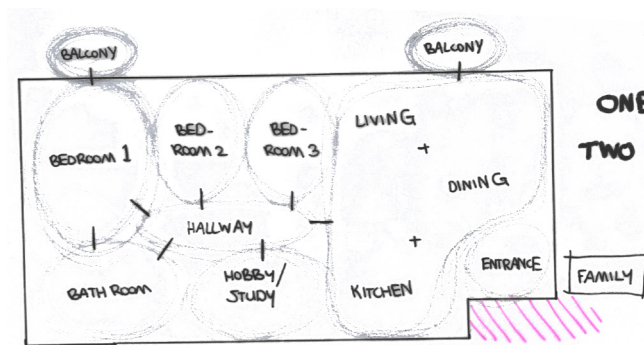
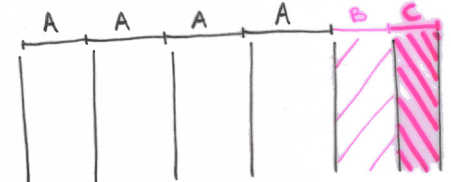
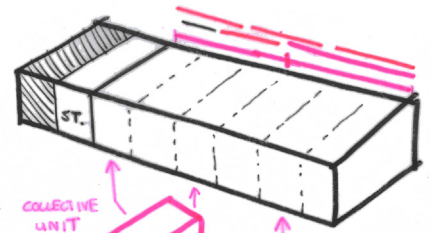
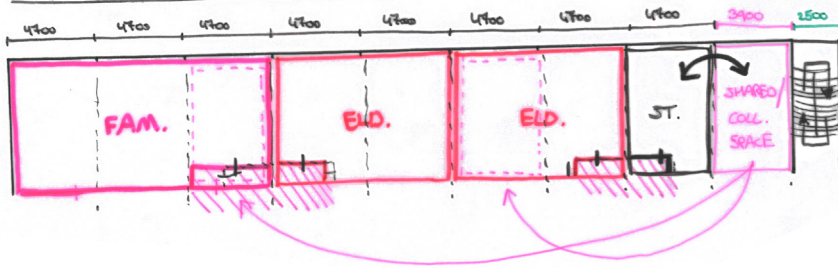
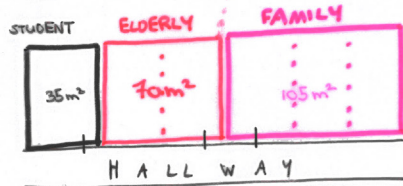
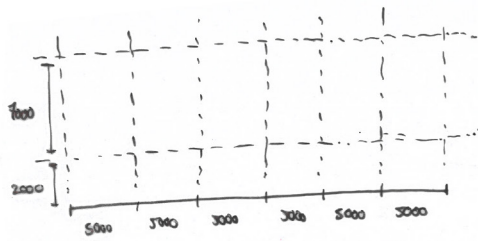






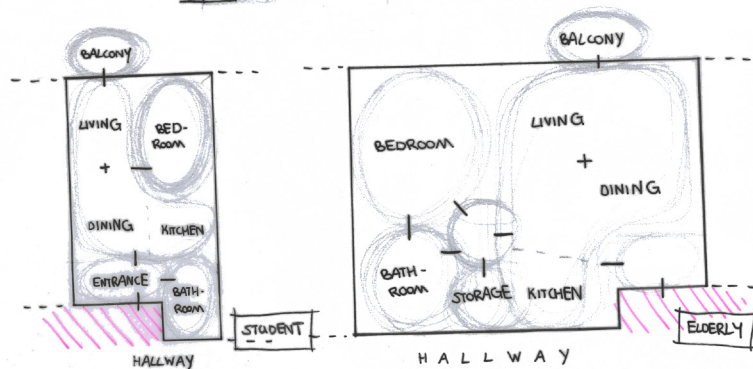
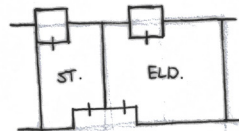






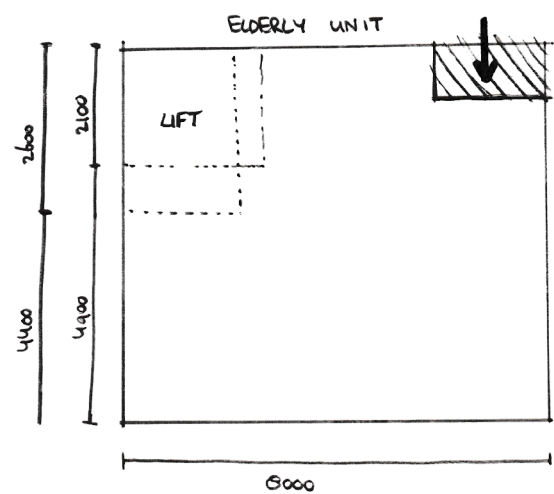
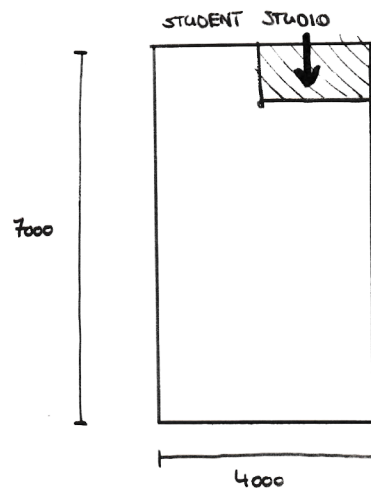
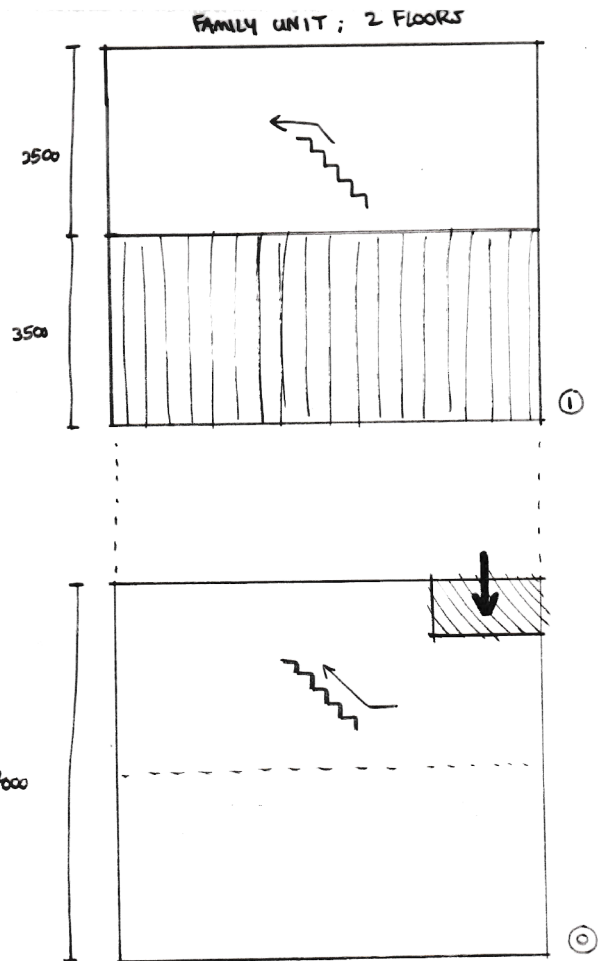
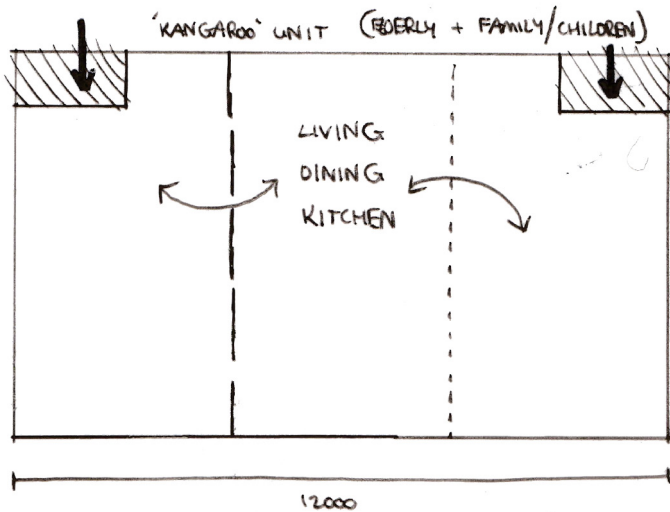
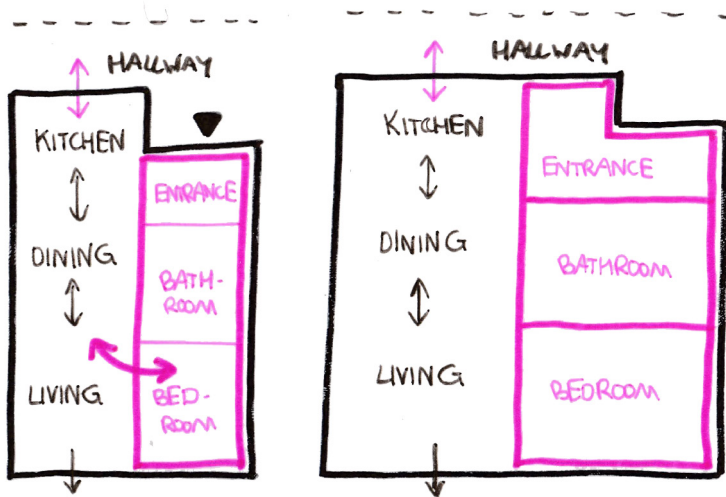
ONE FLOOR...
TWO FLOORS?

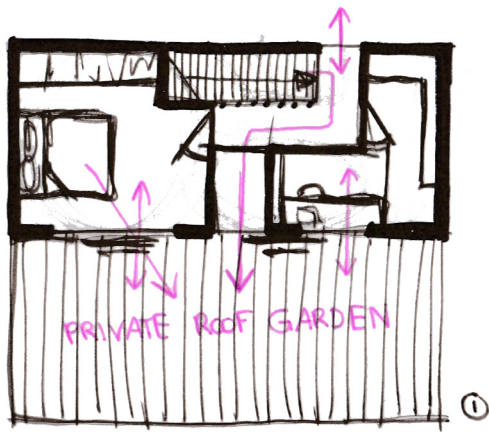
HALF-WALL BALCONY?



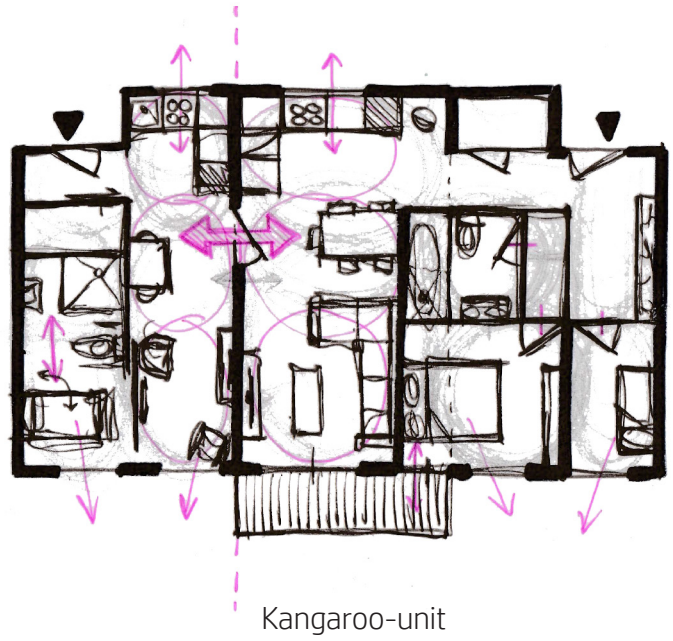
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Week 5

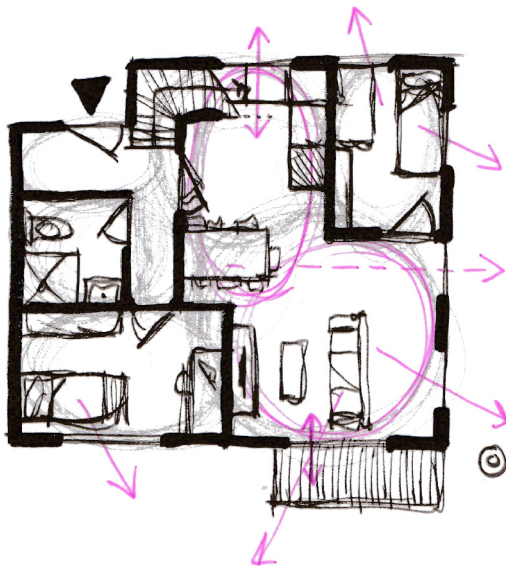




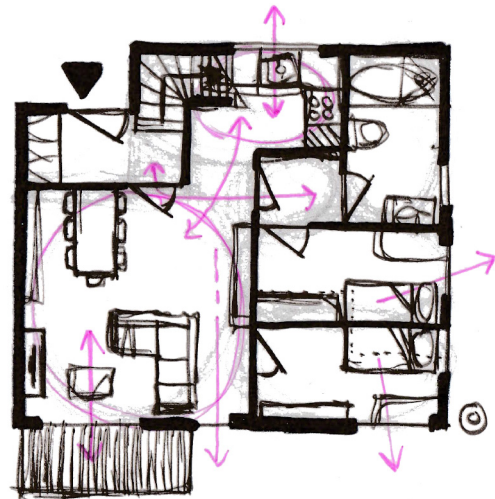
Family-unit (1, corner)



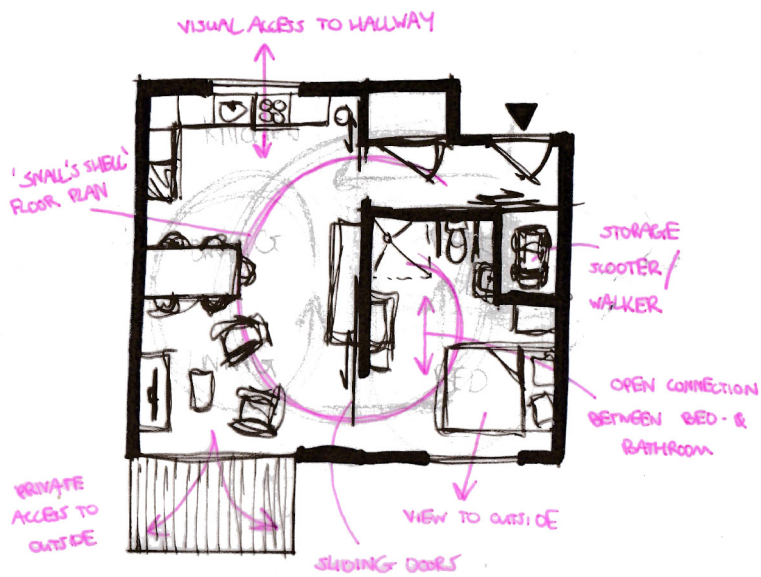
Kangaroo-unit



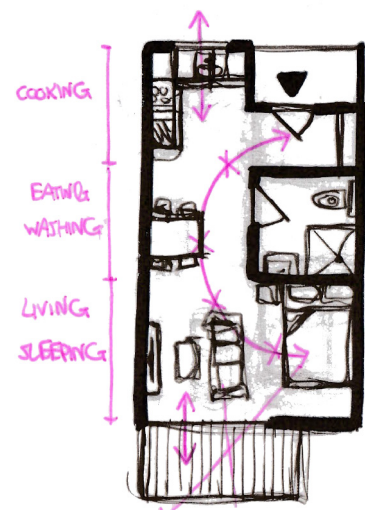
Family-unit (0, corner)



Family-unit (0, middle)

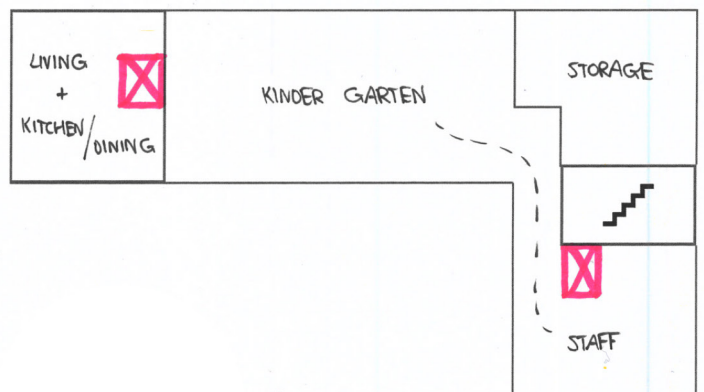
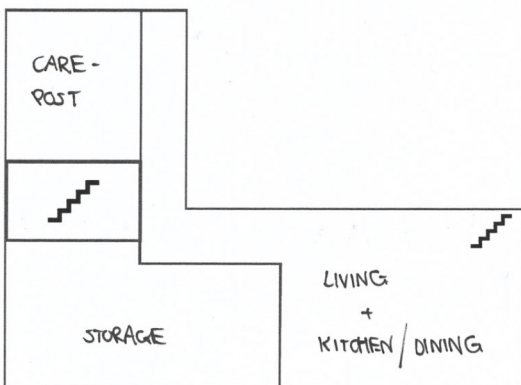
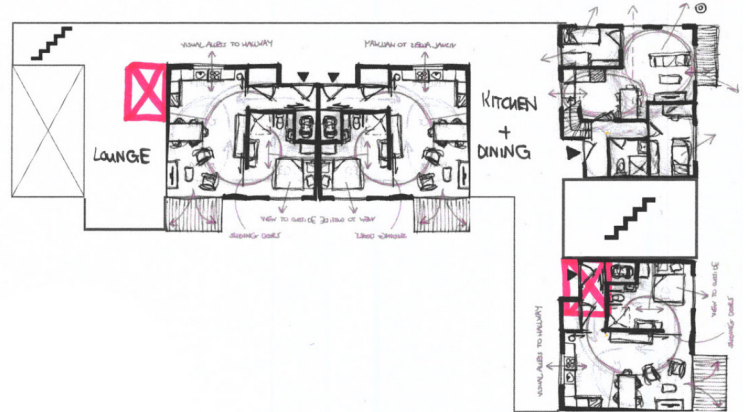
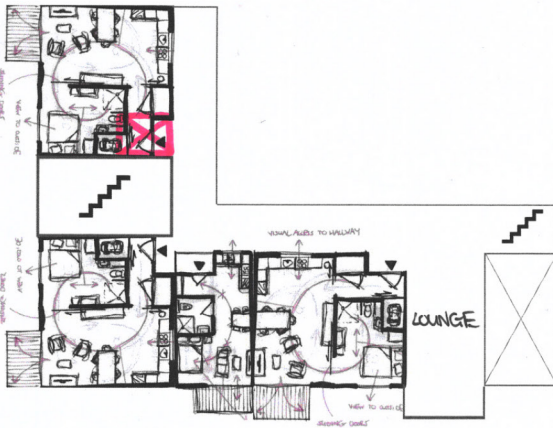
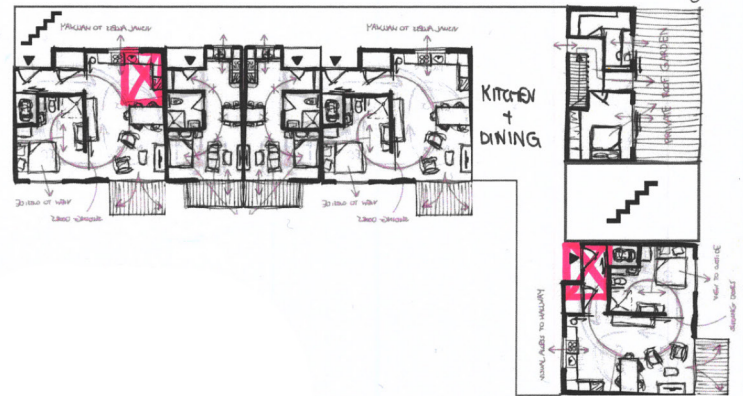
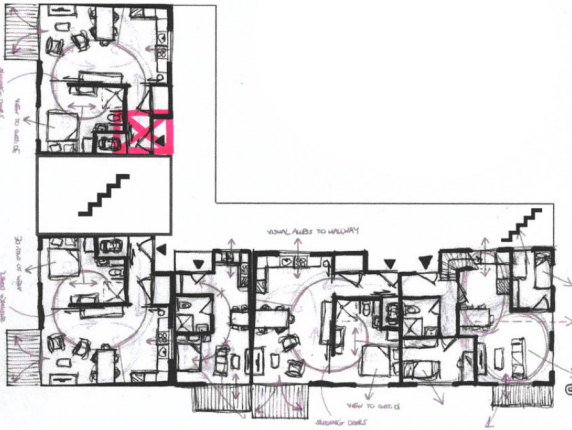
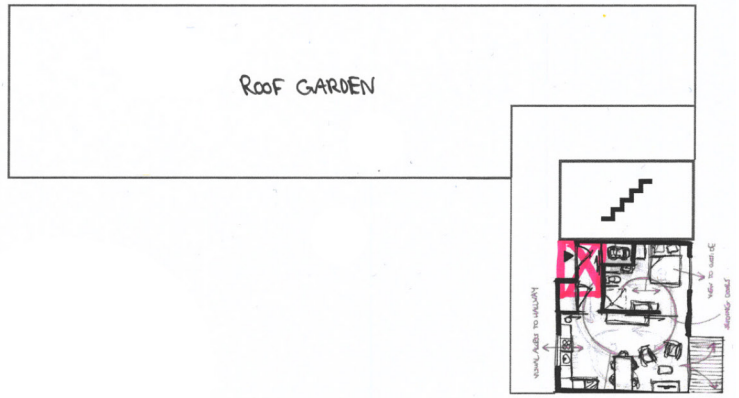
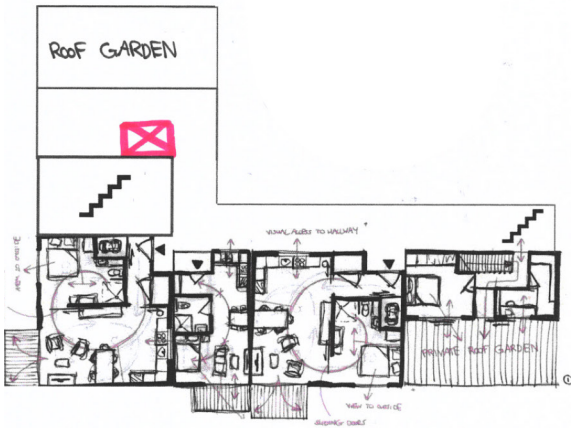


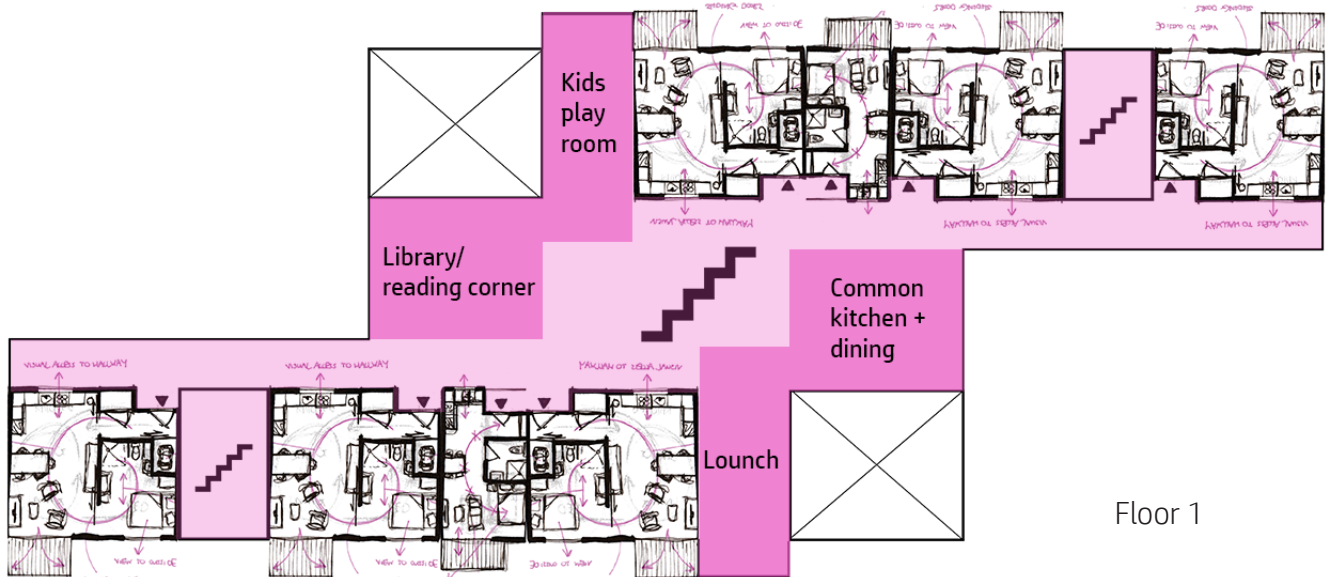
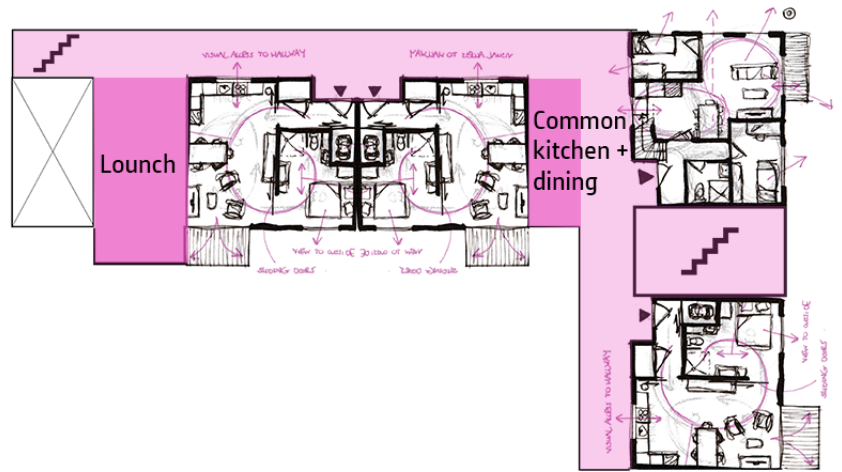
Elderly-unit



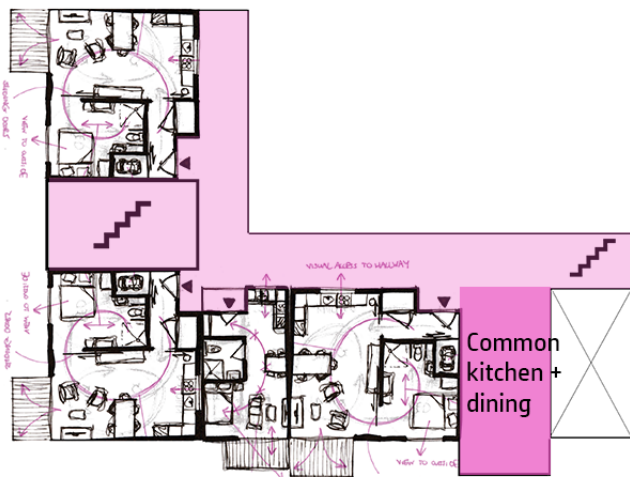
Student-unit

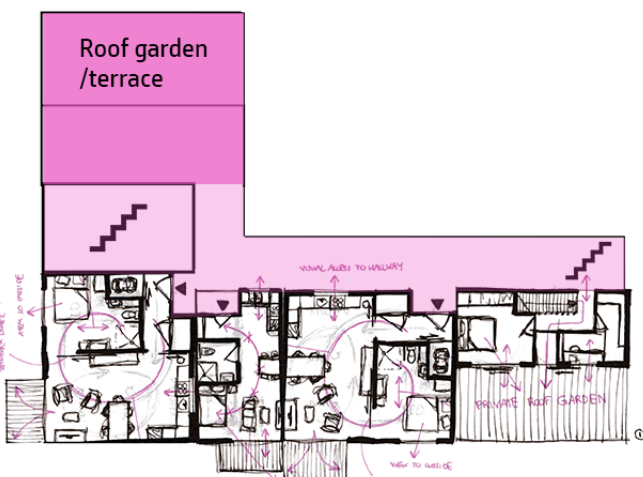
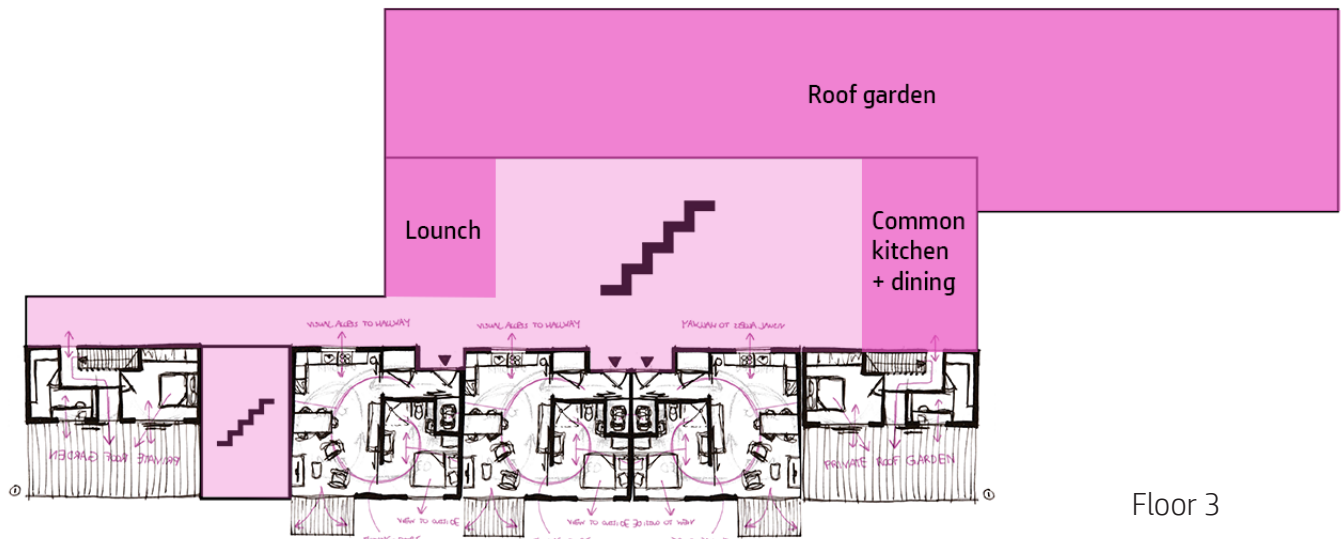
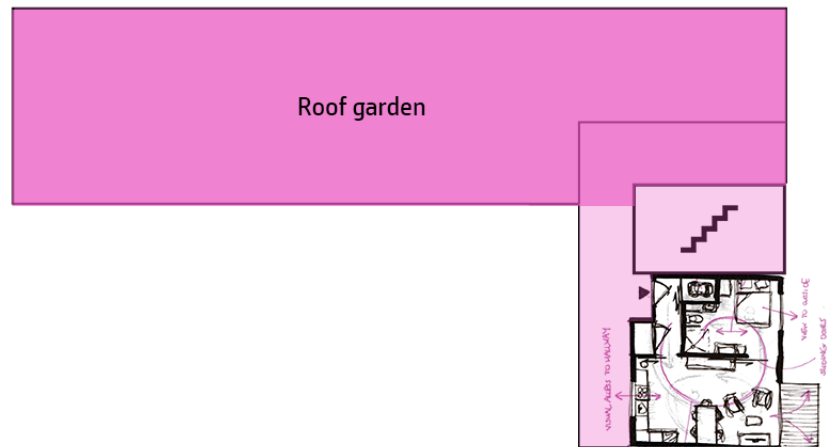


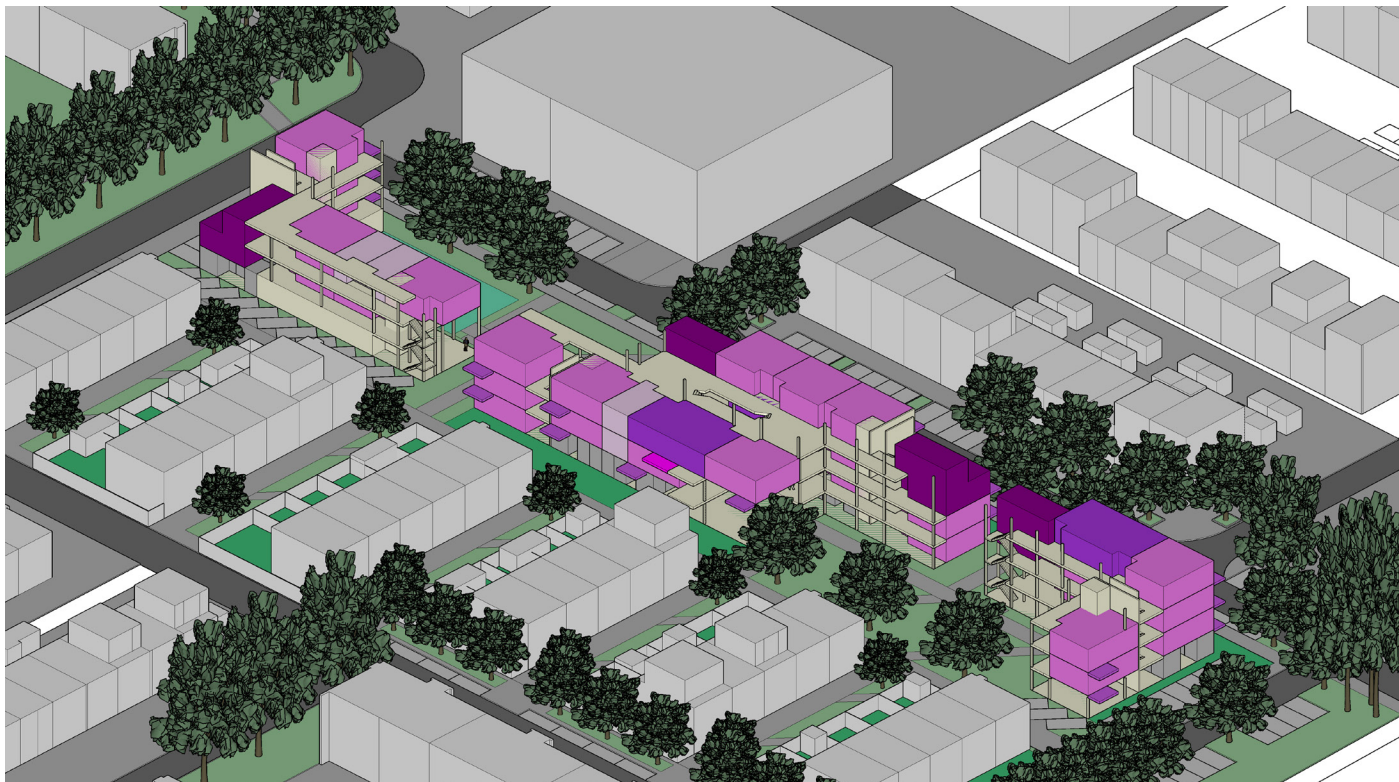
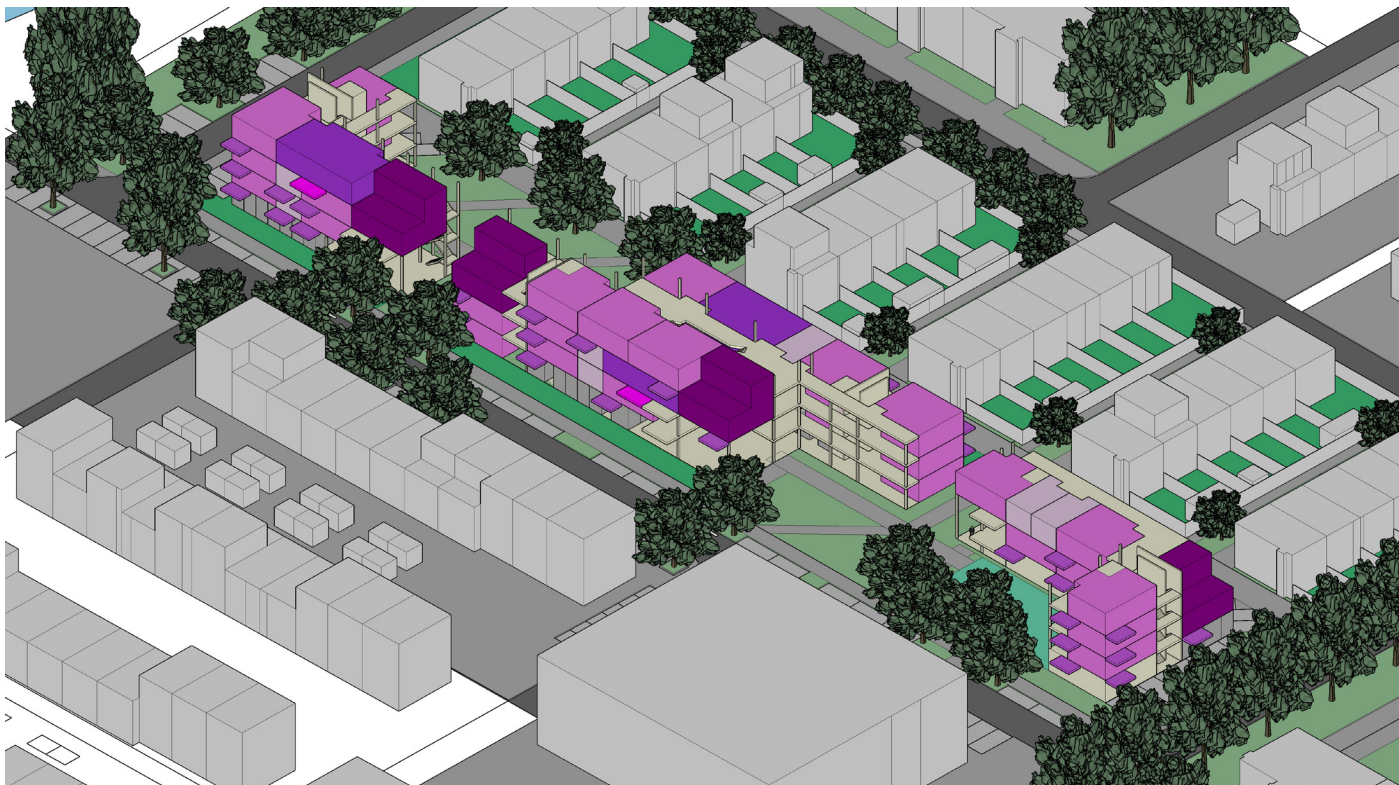




Floor 1

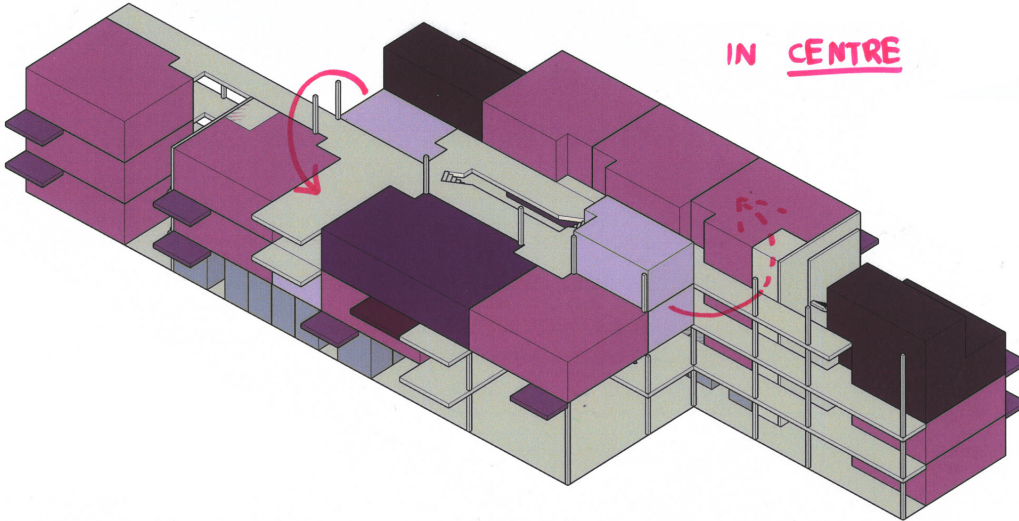






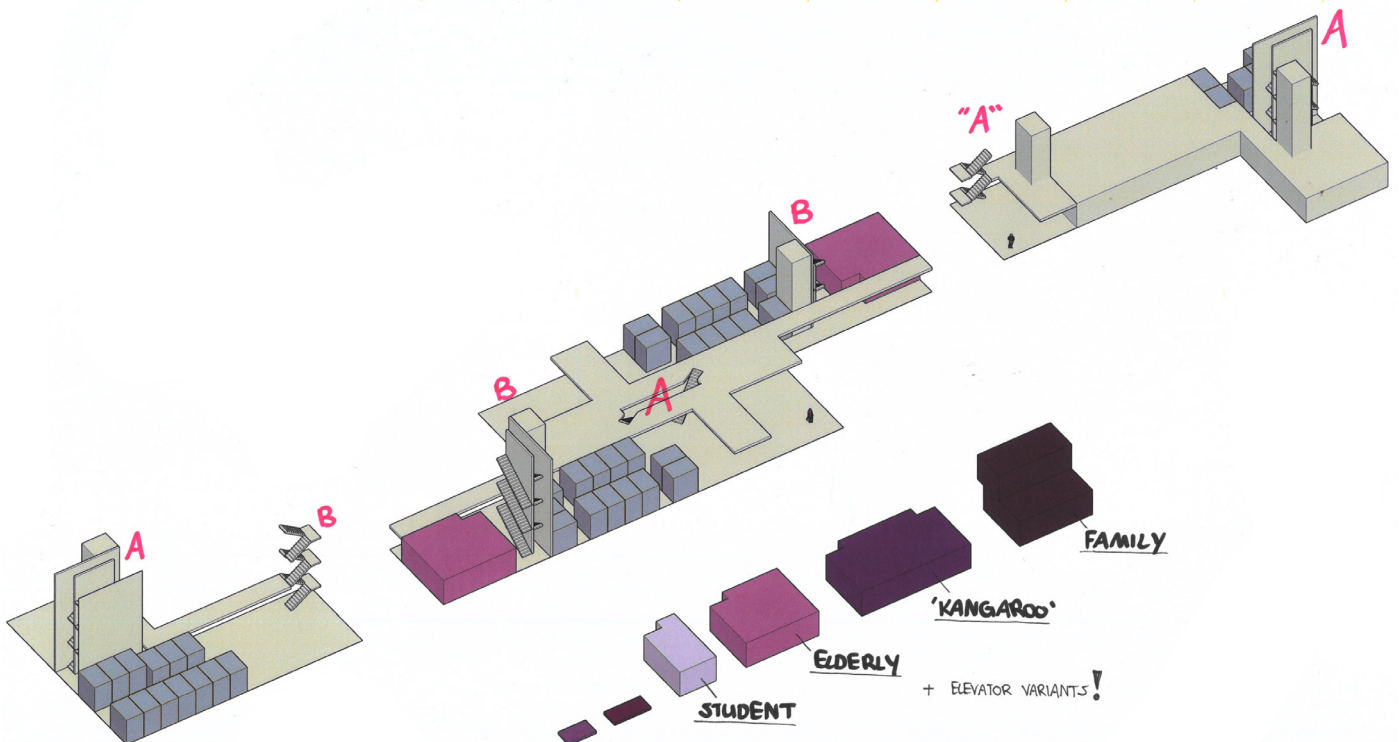
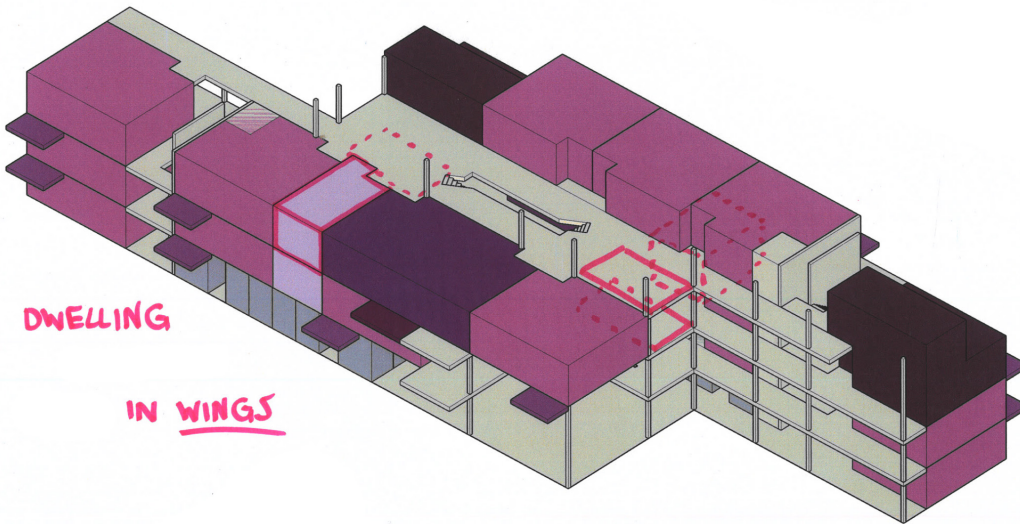
B: DWELLING

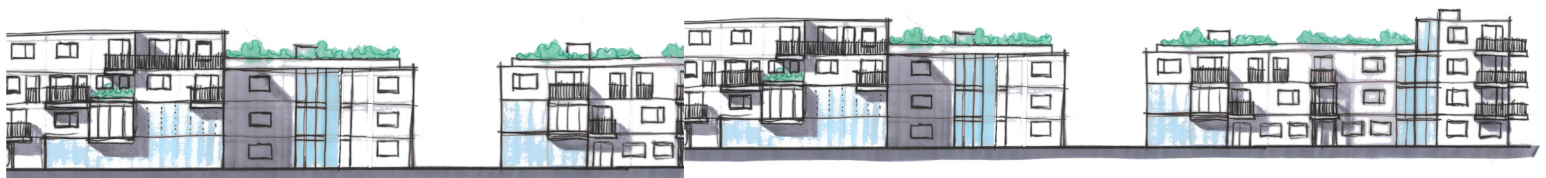
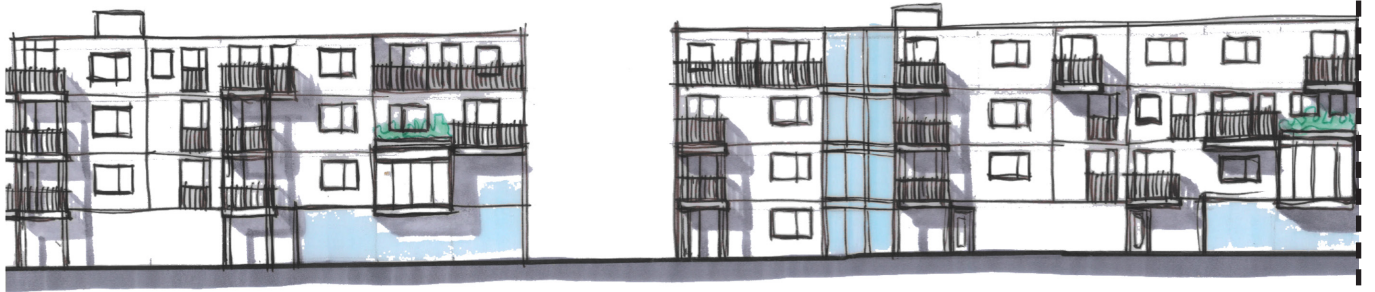
IN CENTRE



A: DWELLING

IN WINGS



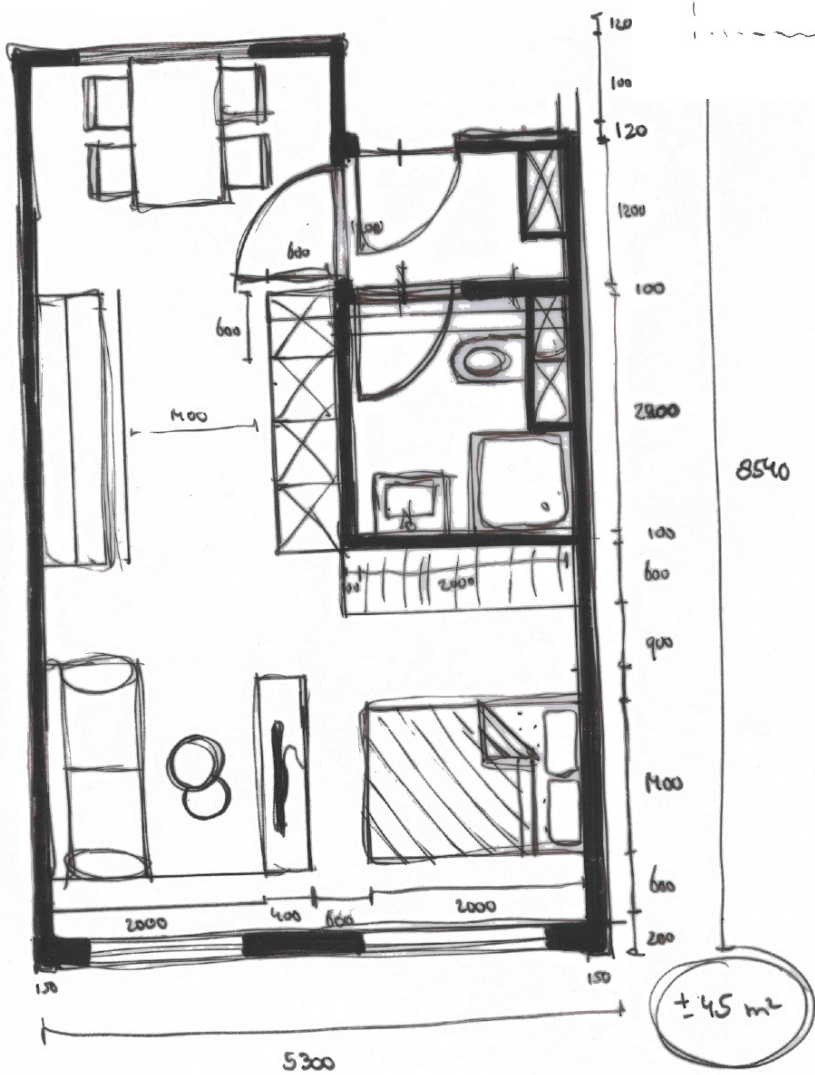
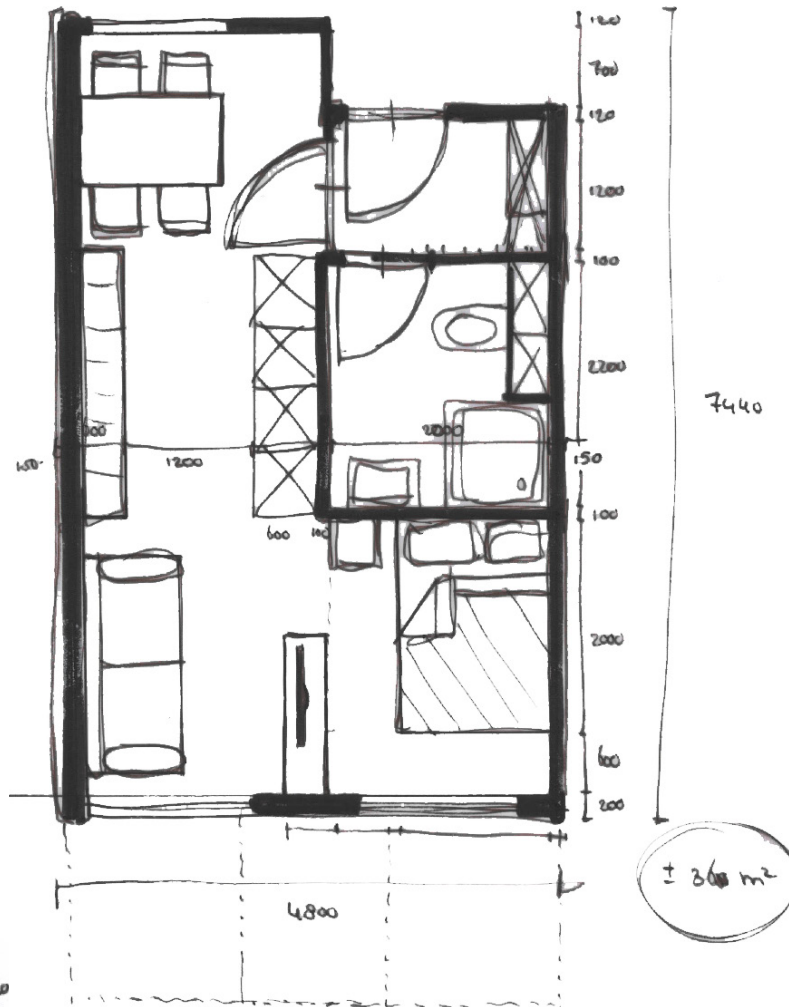


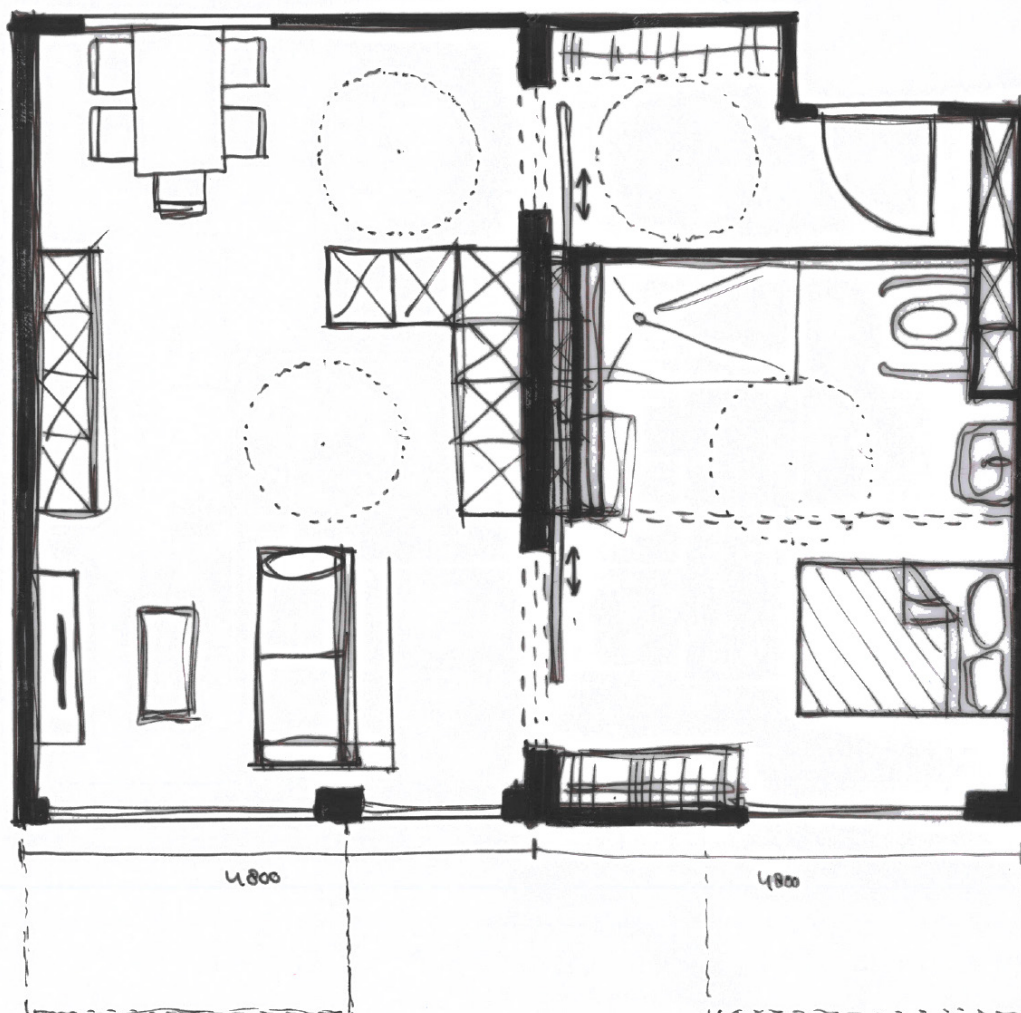
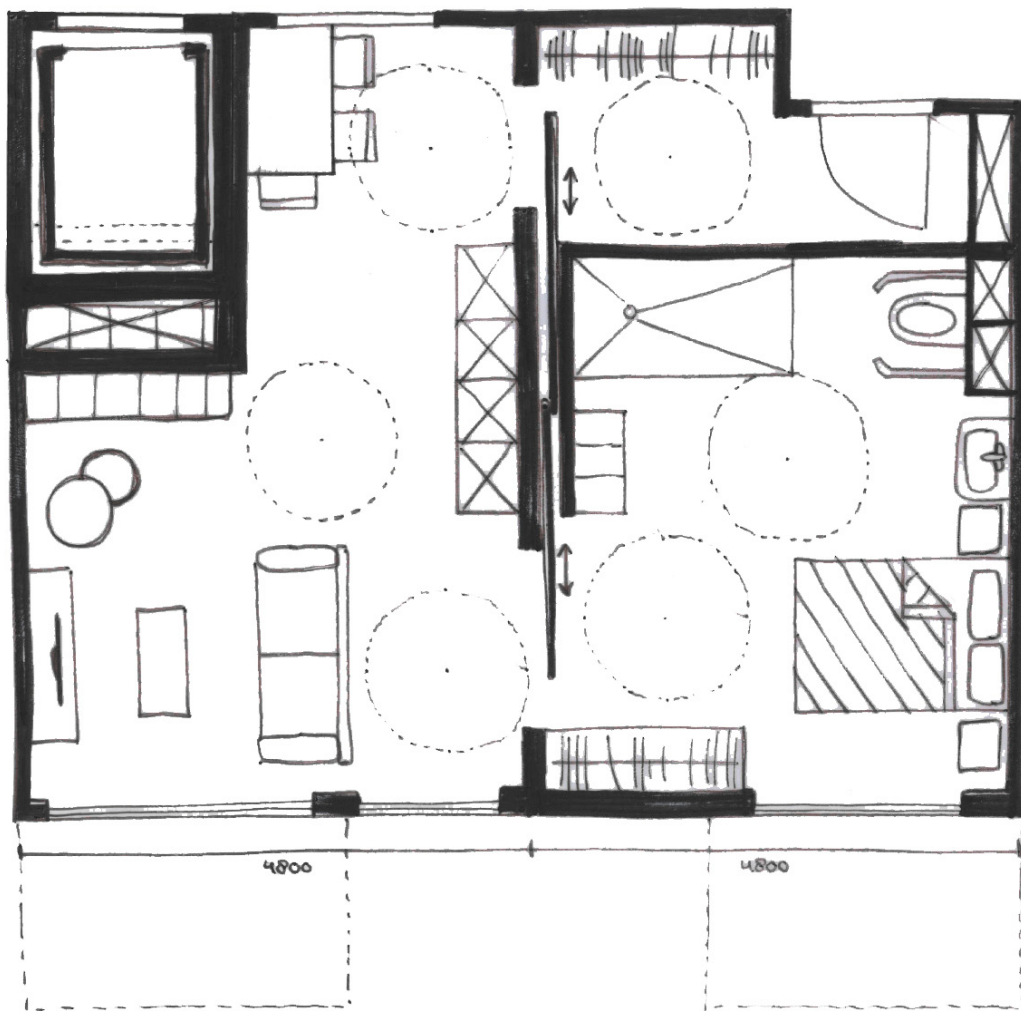
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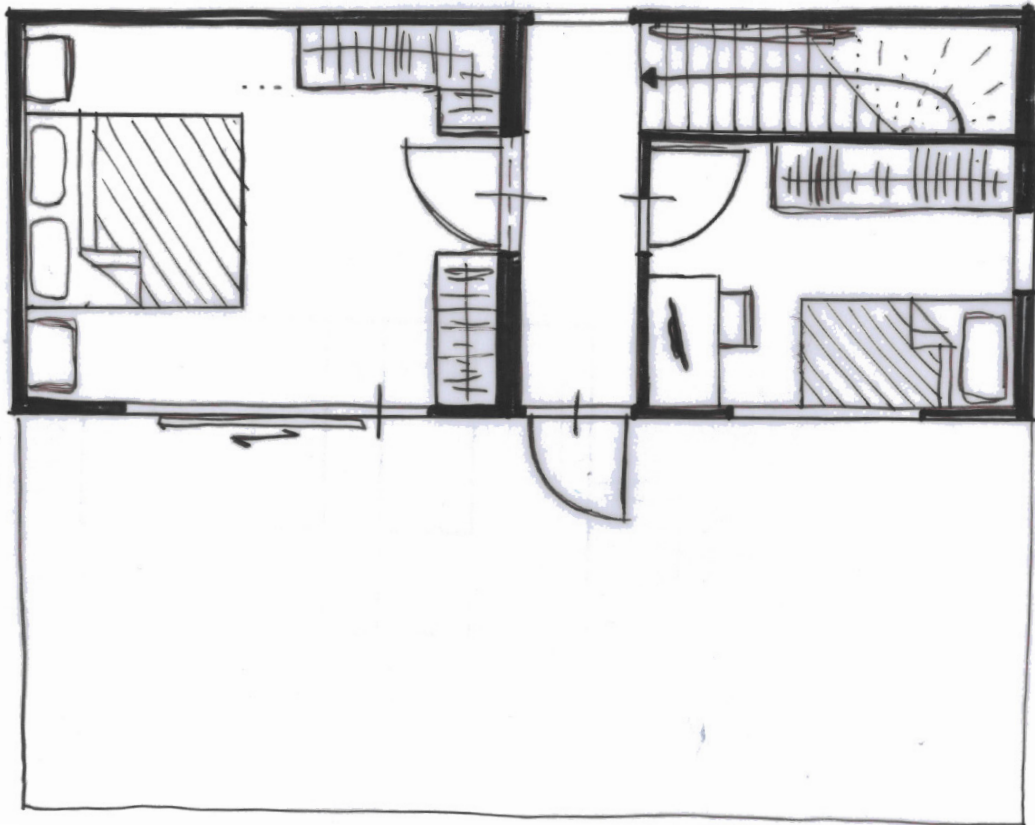
Week 6



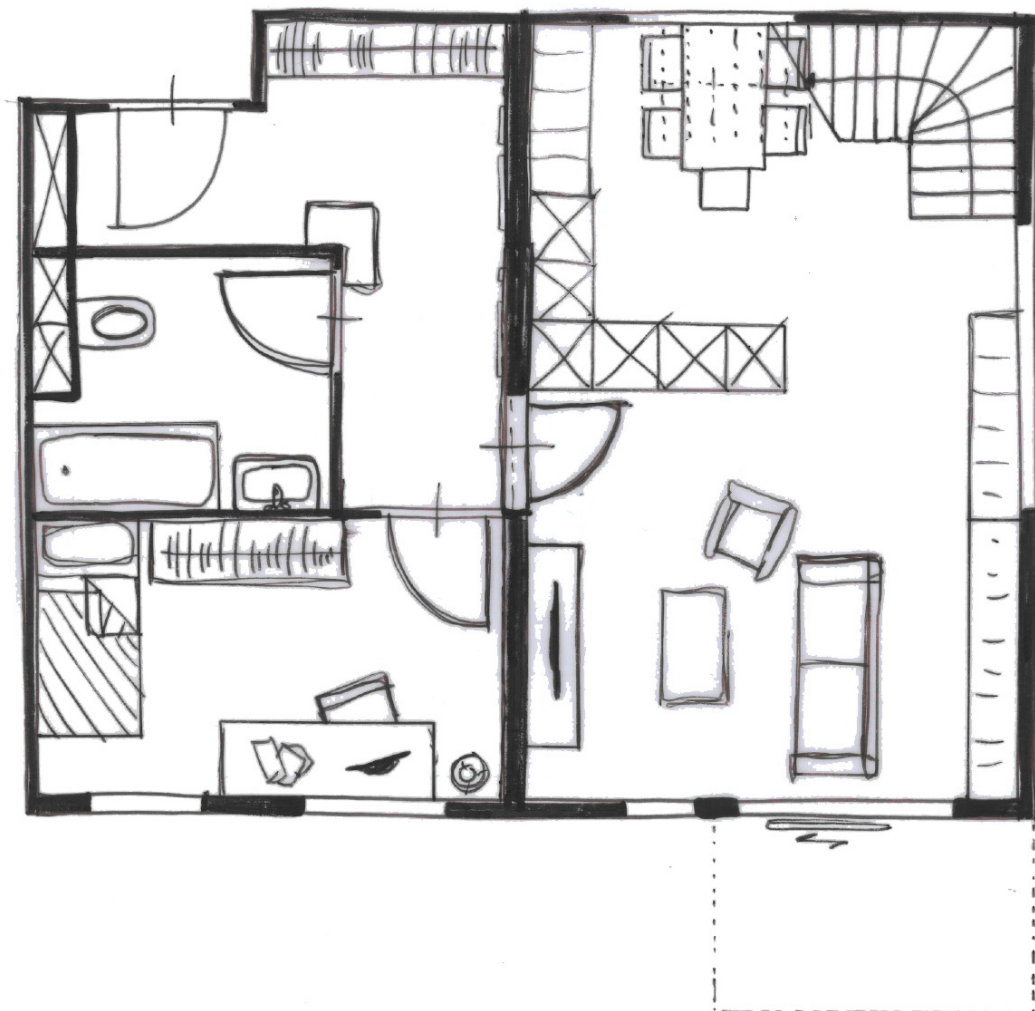




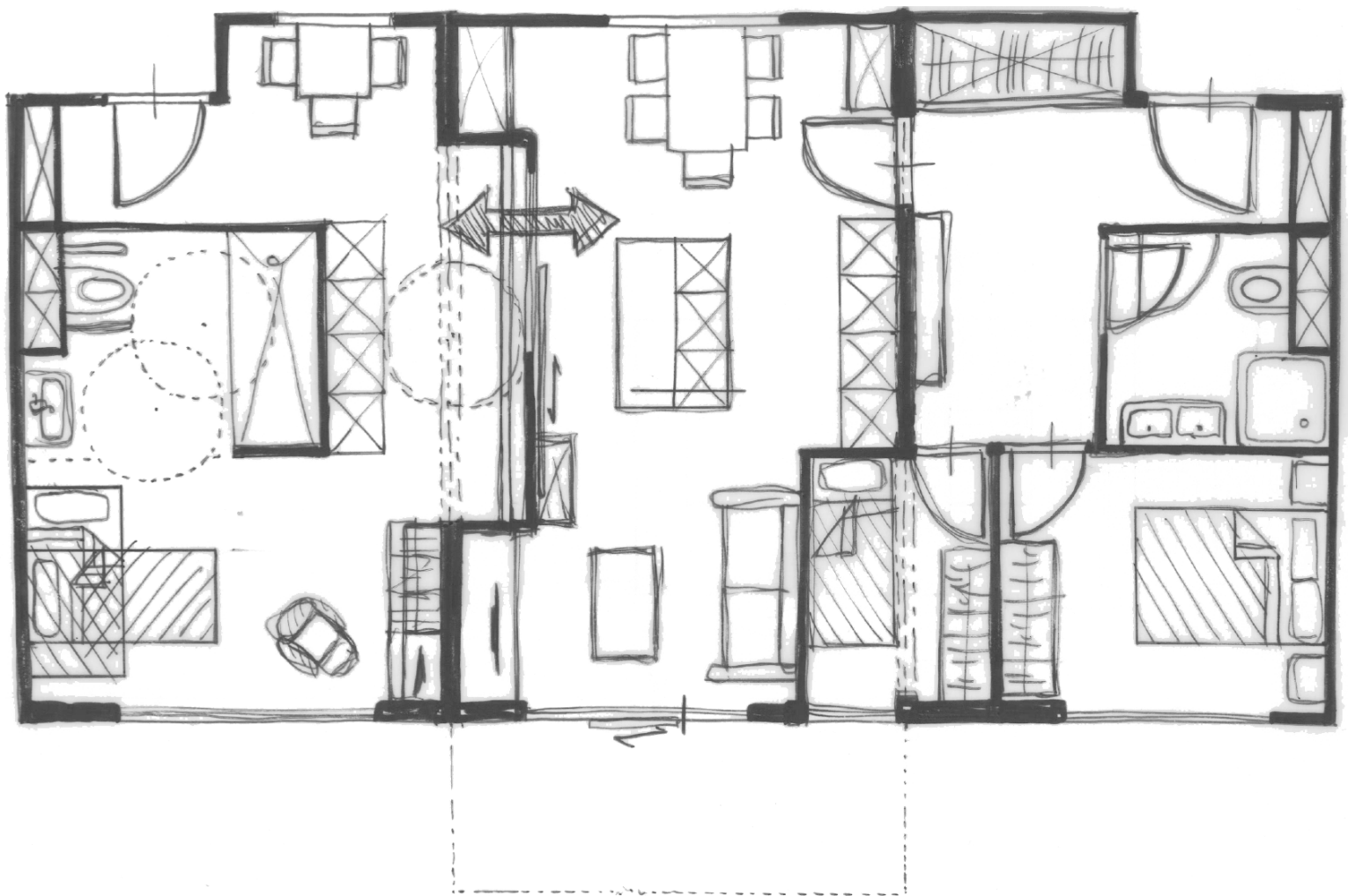


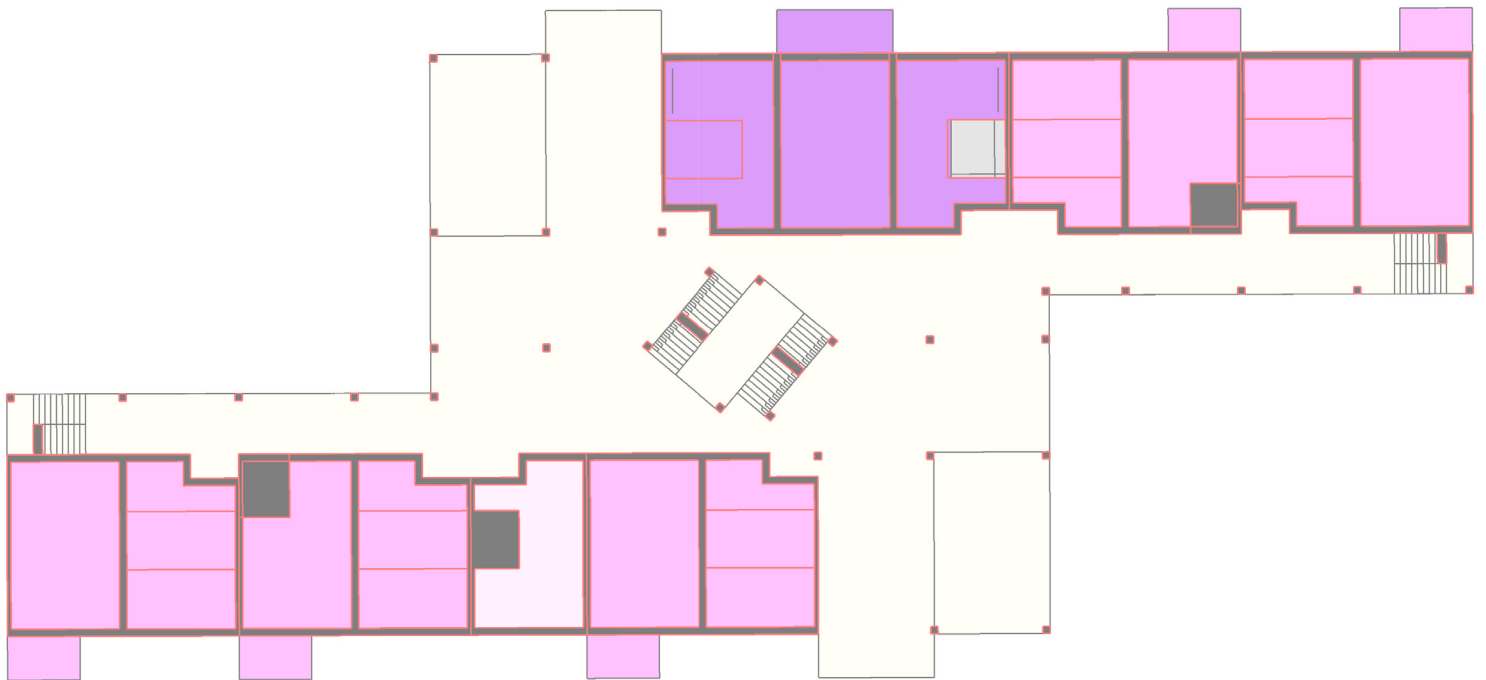


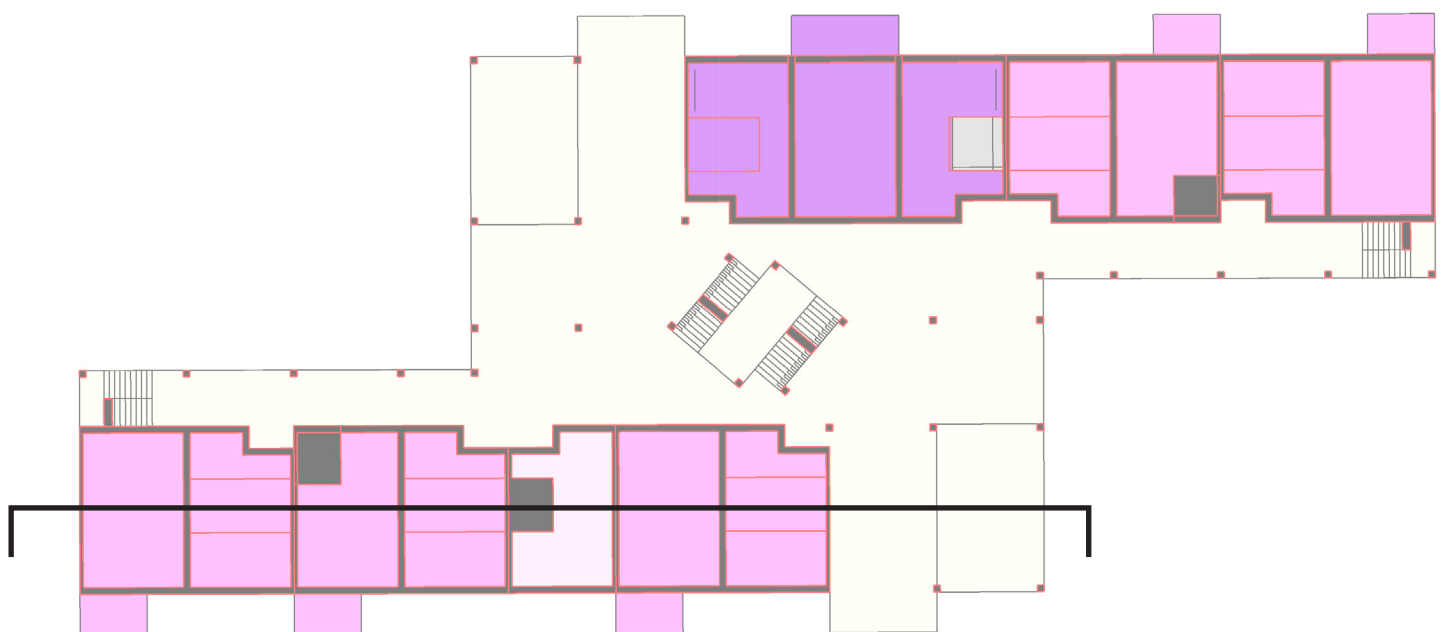
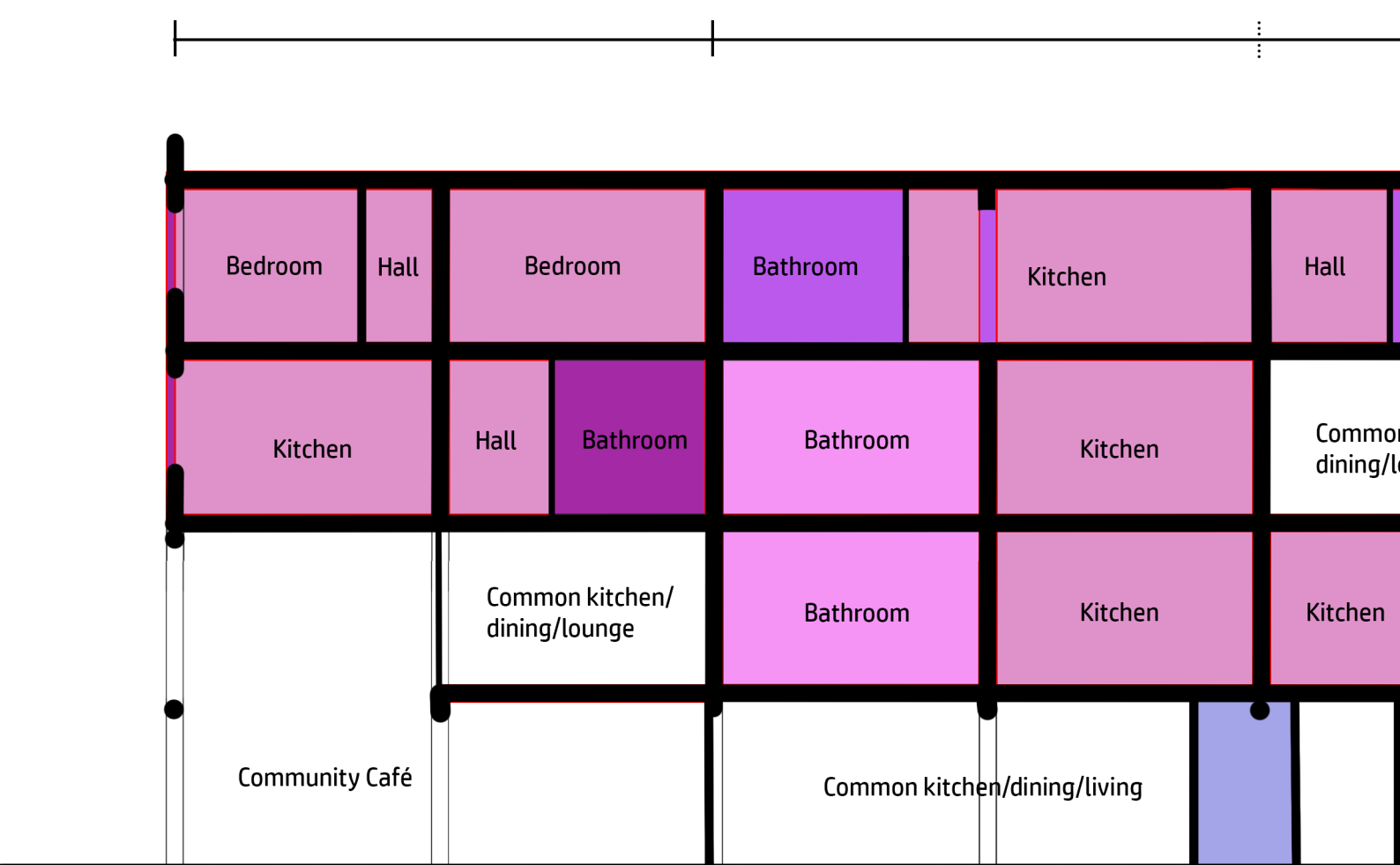
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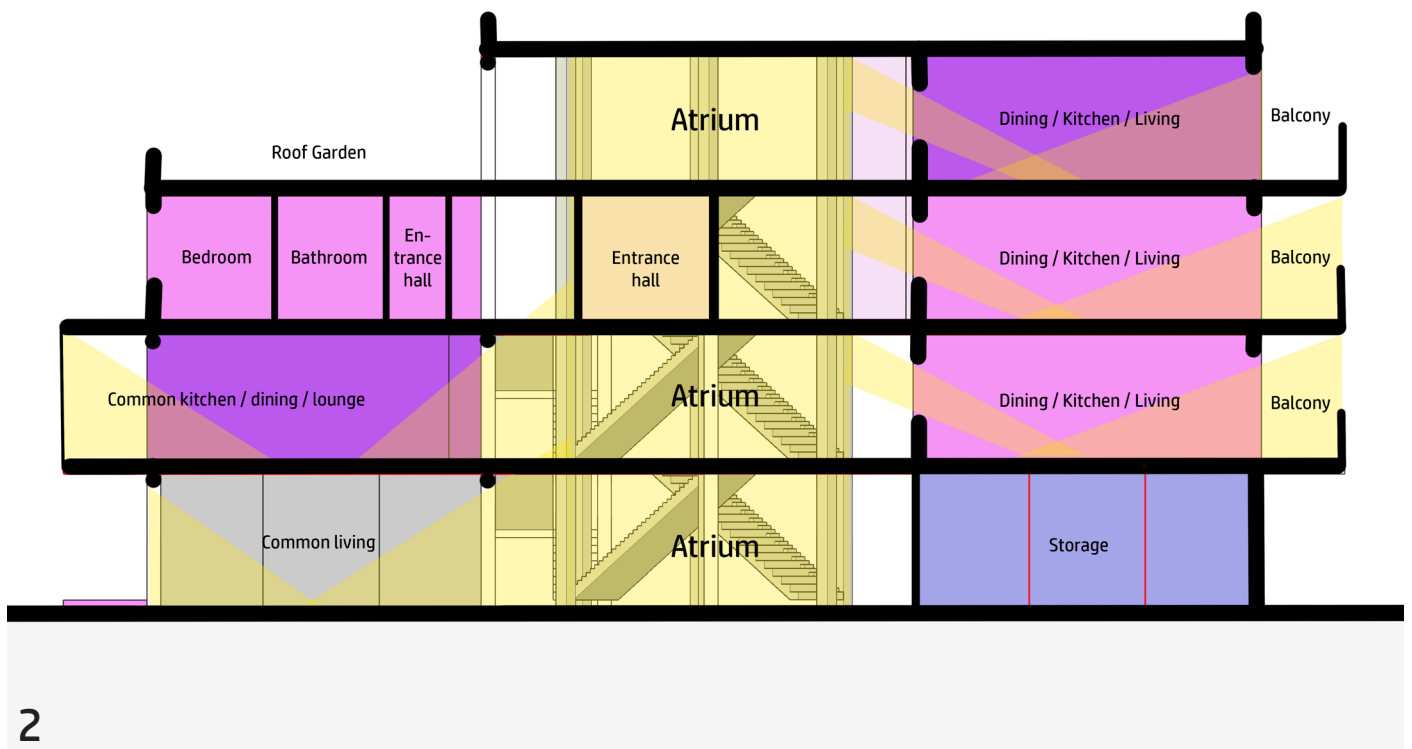
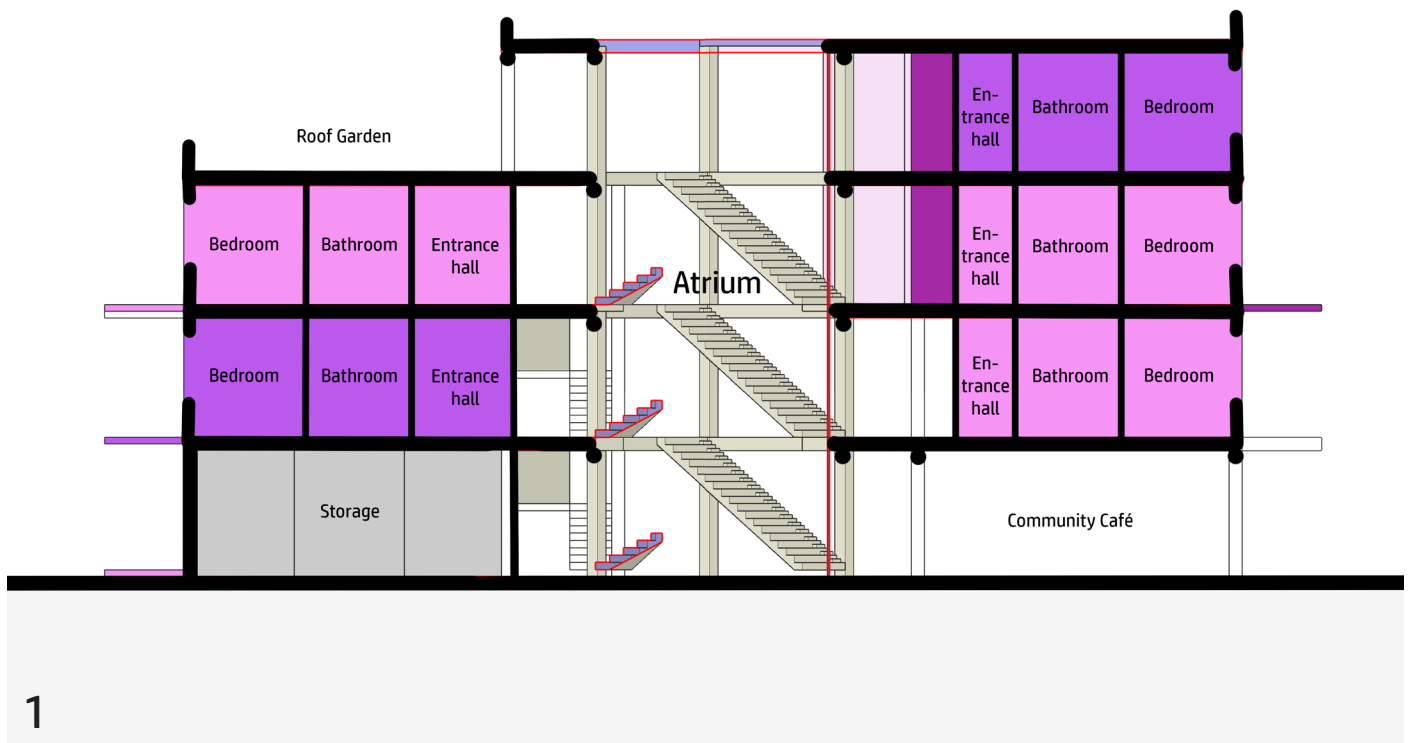
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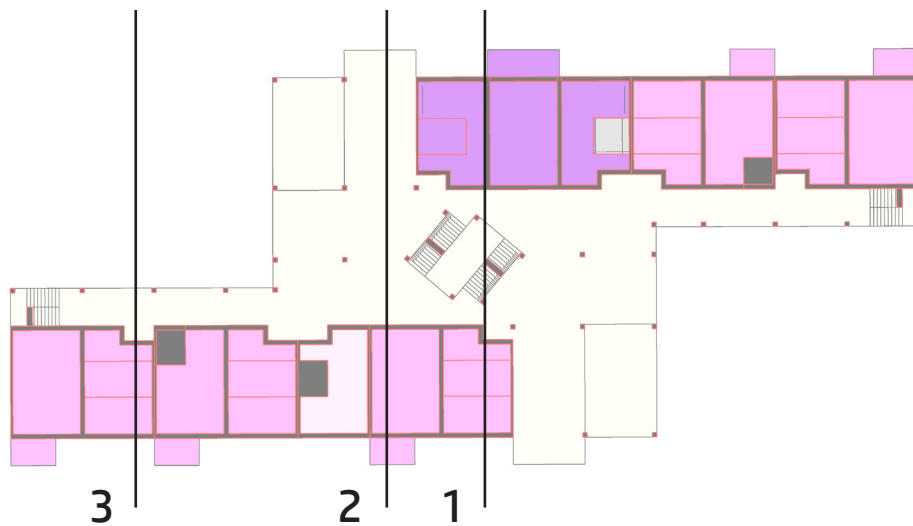






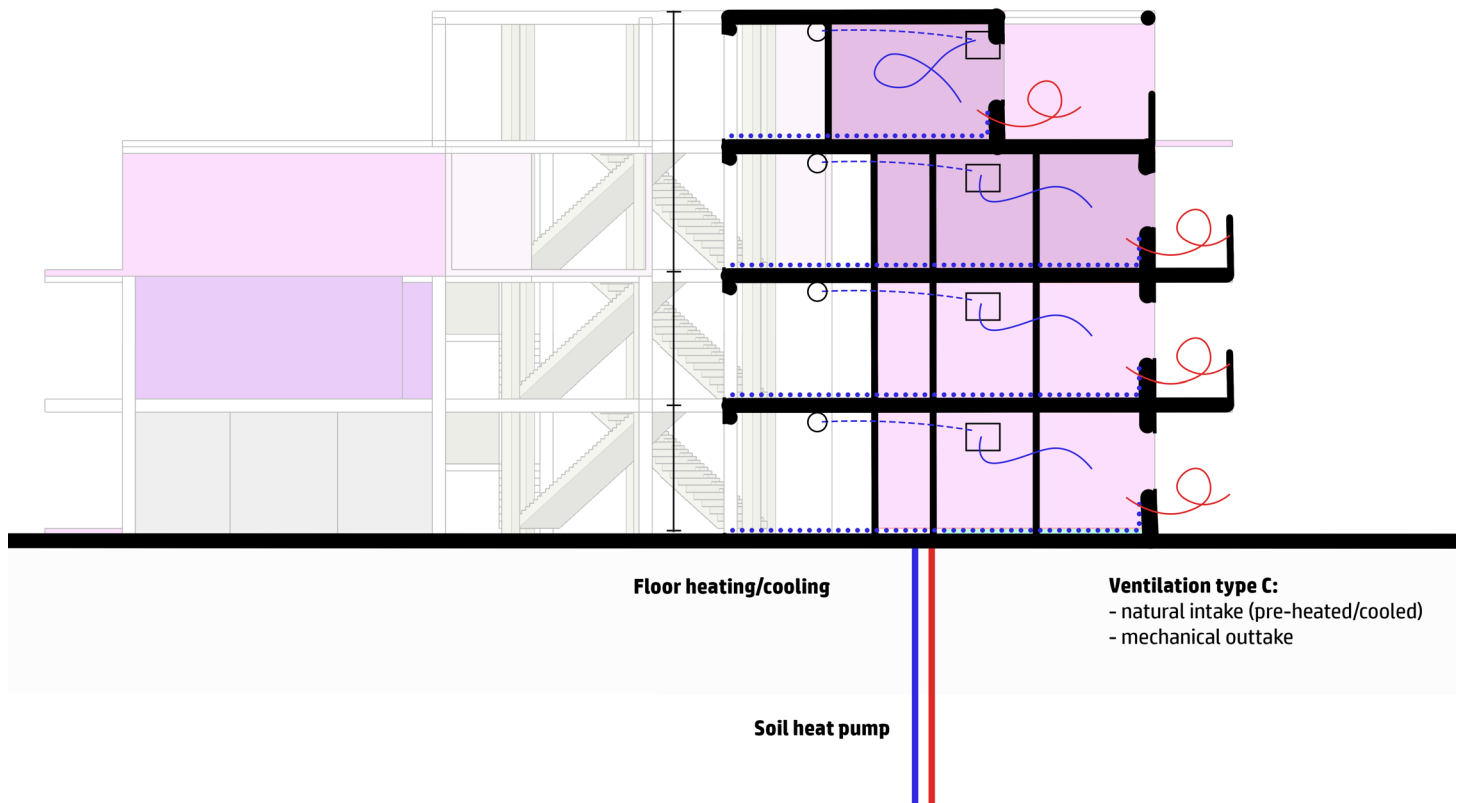






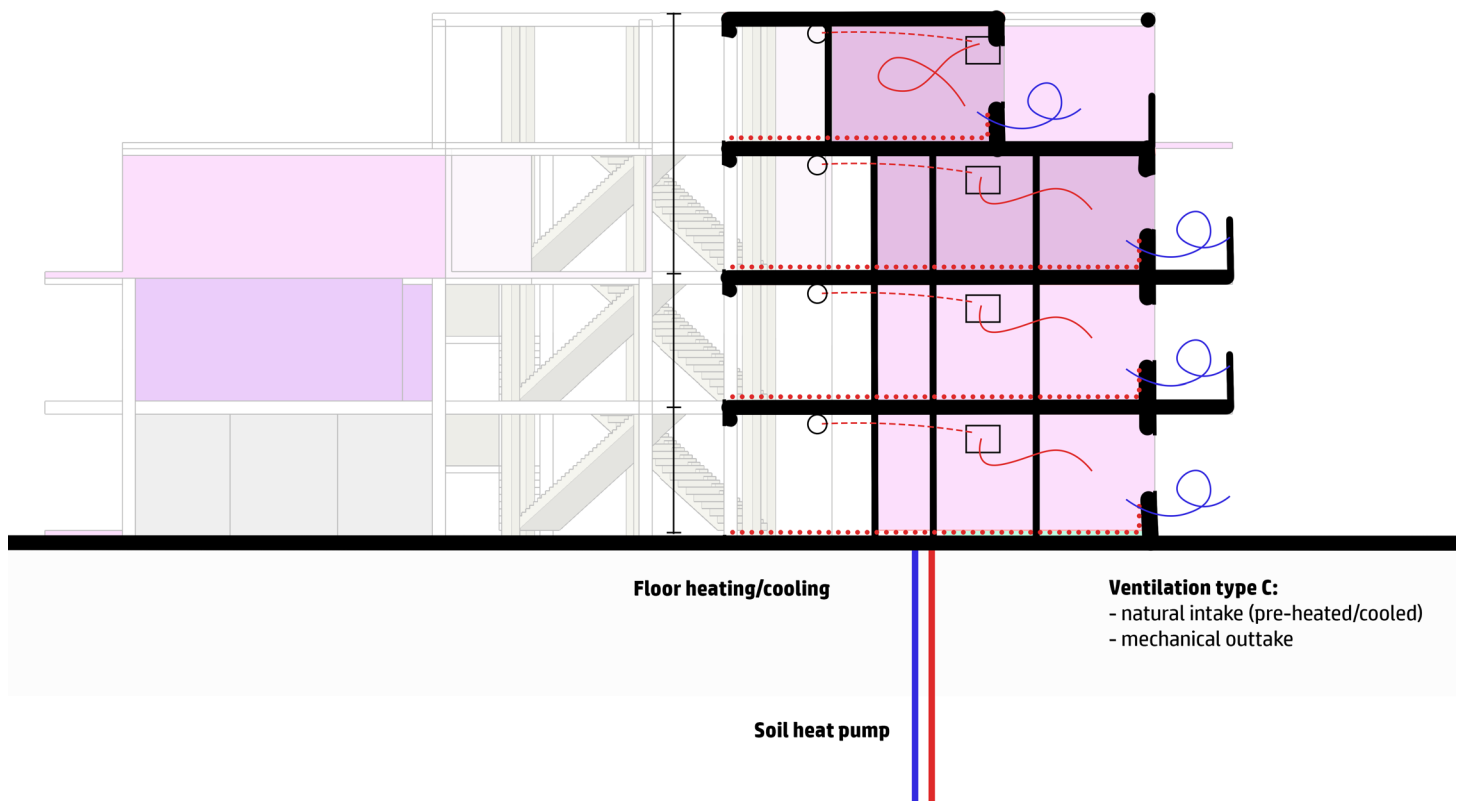
SUMMER

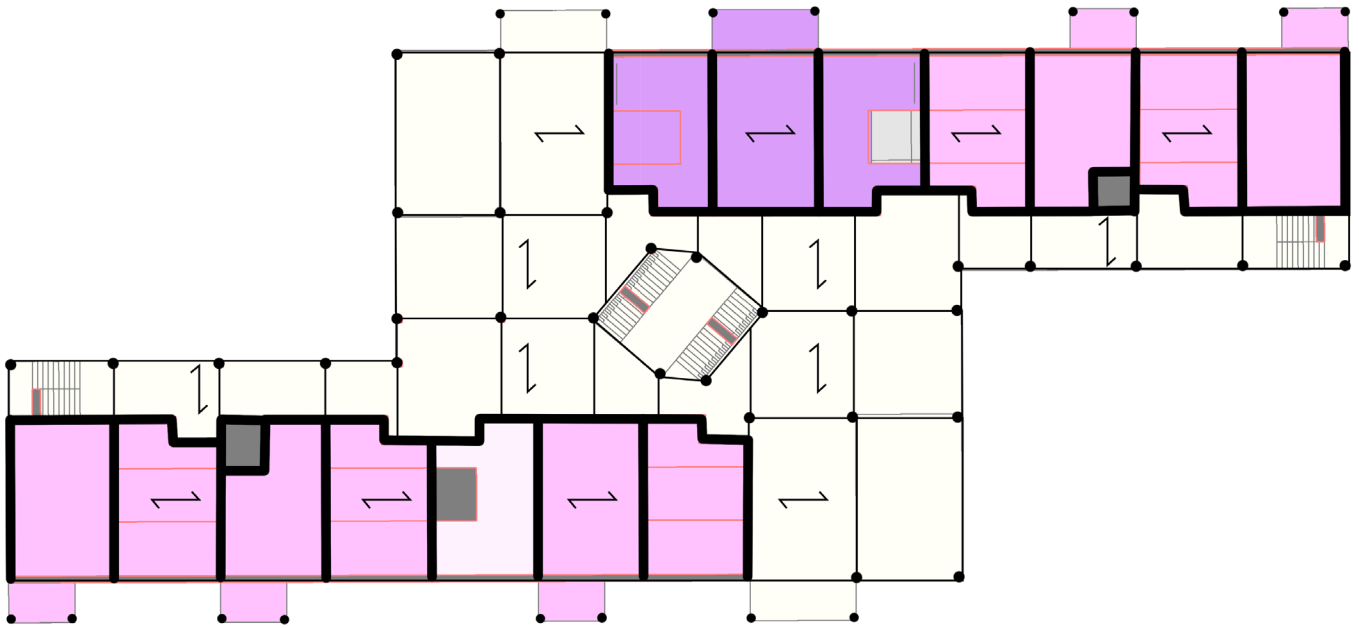
Central climate system per wing



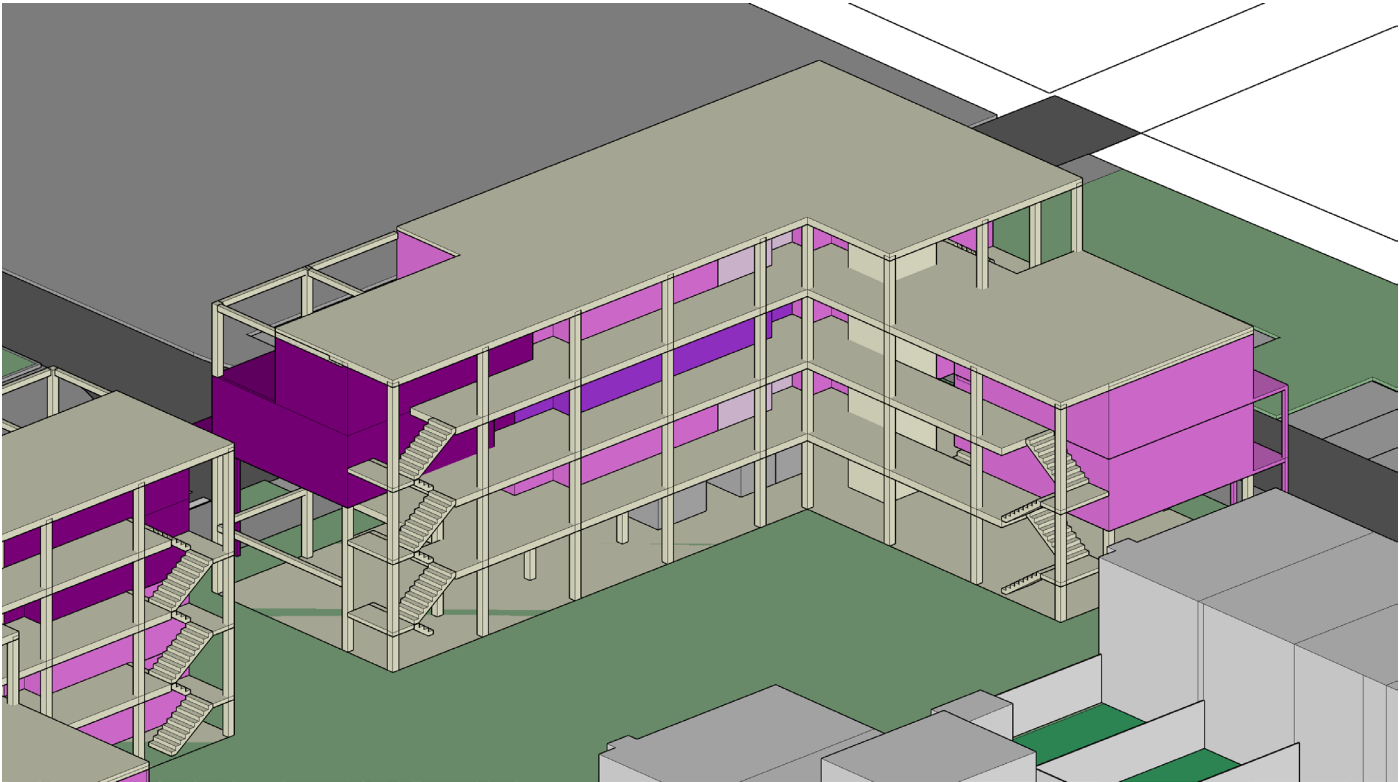
WINTER

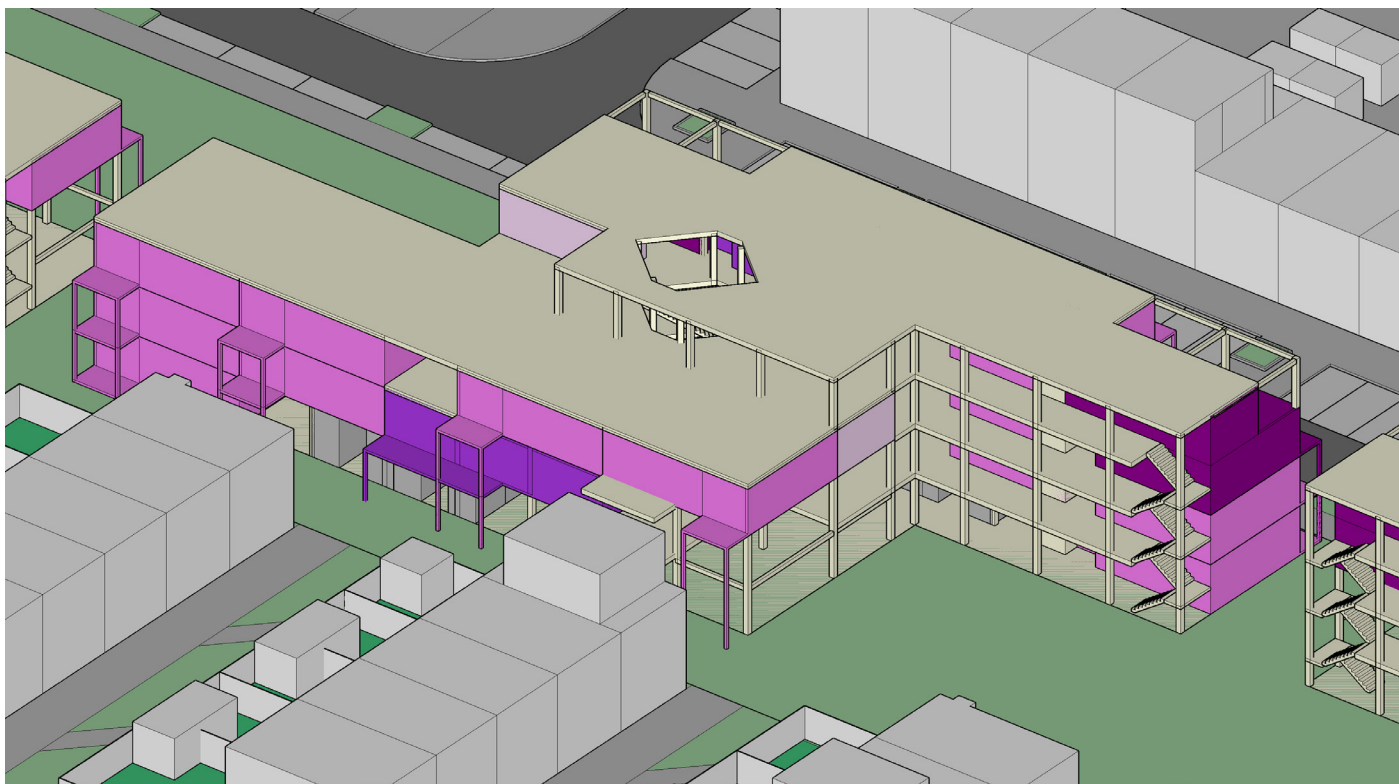
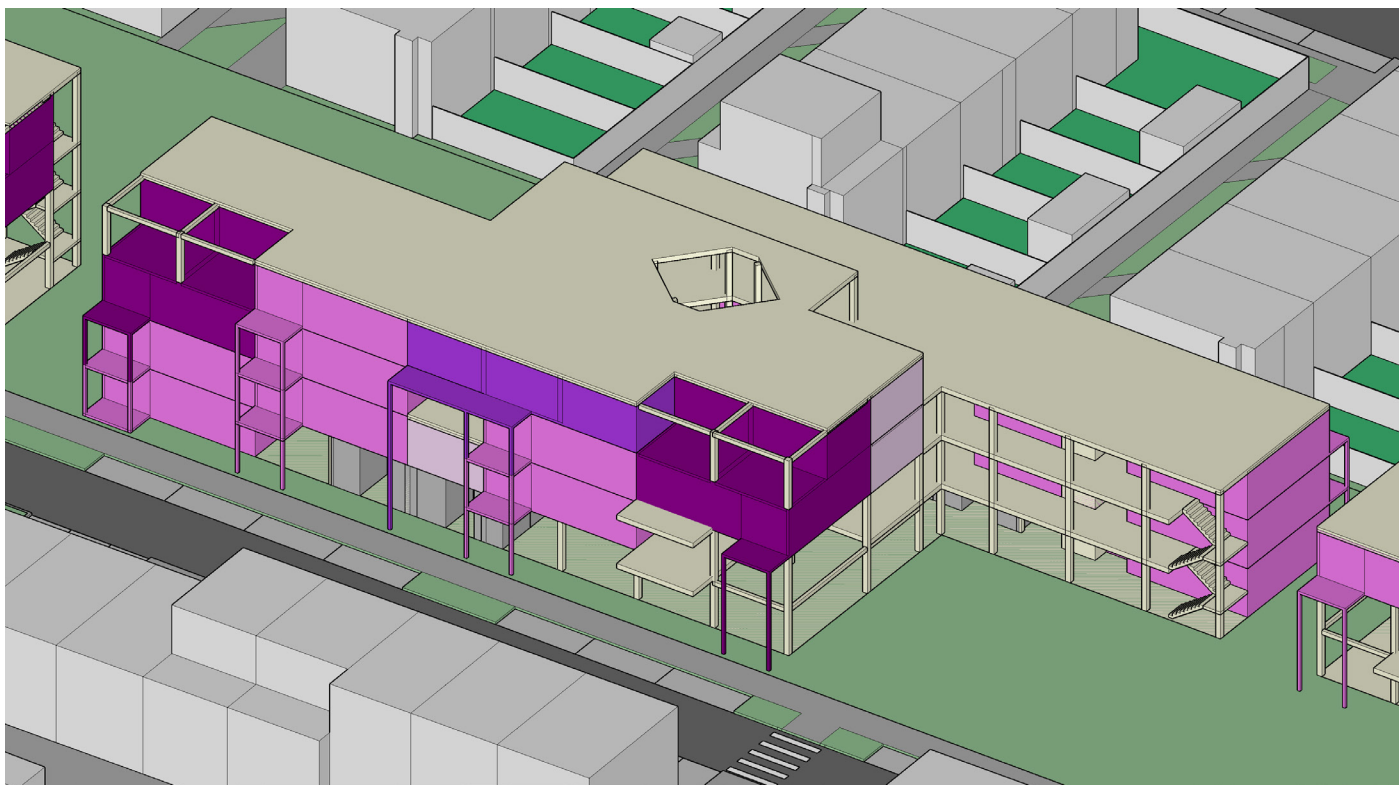
Central climate system per wing

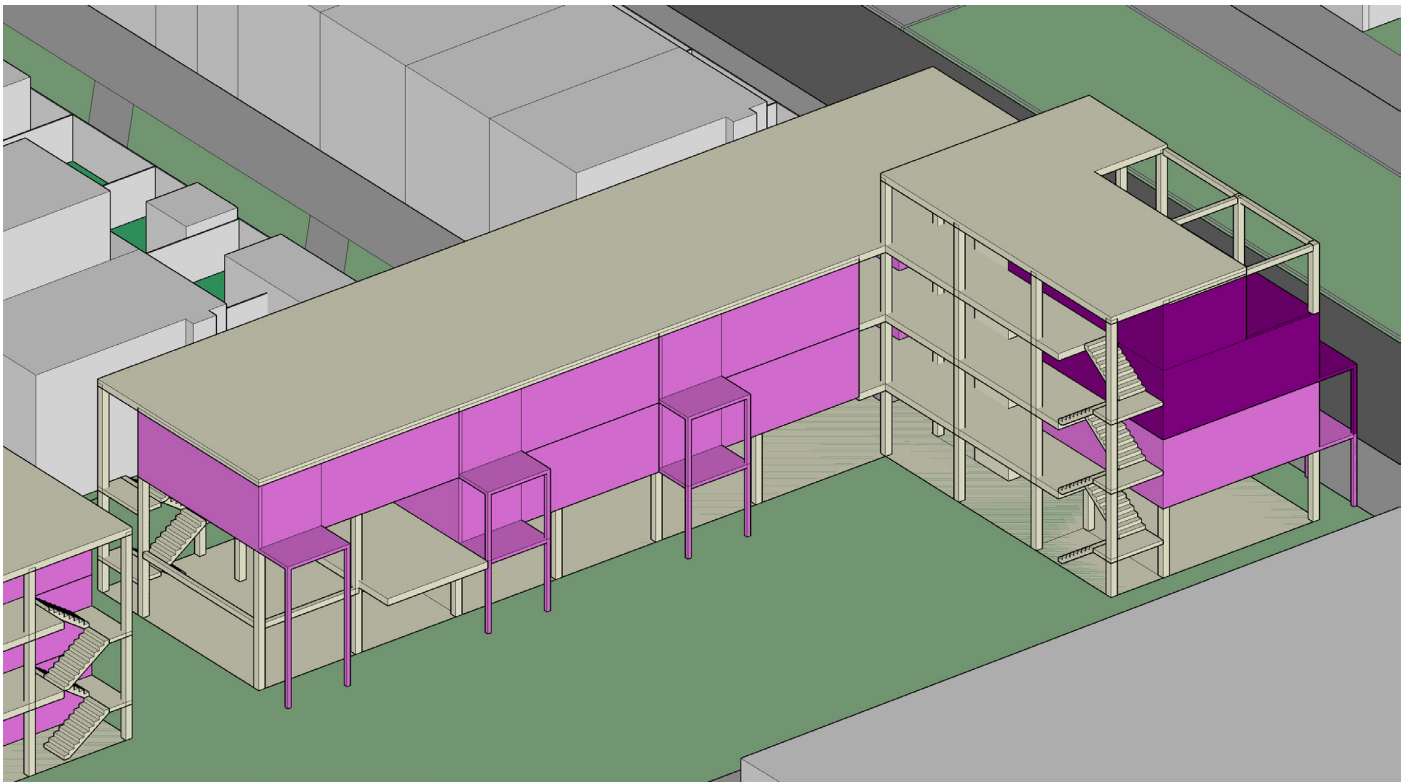


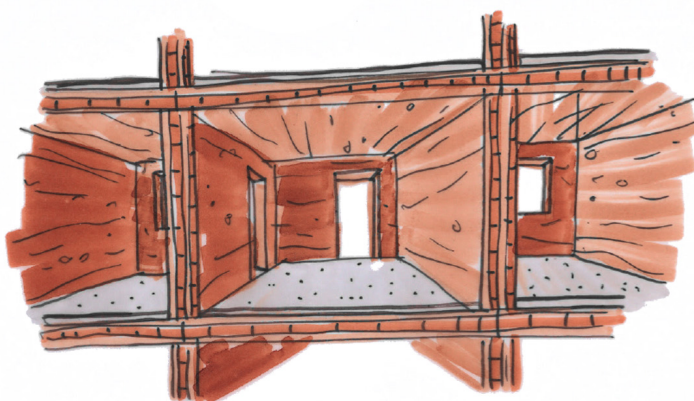
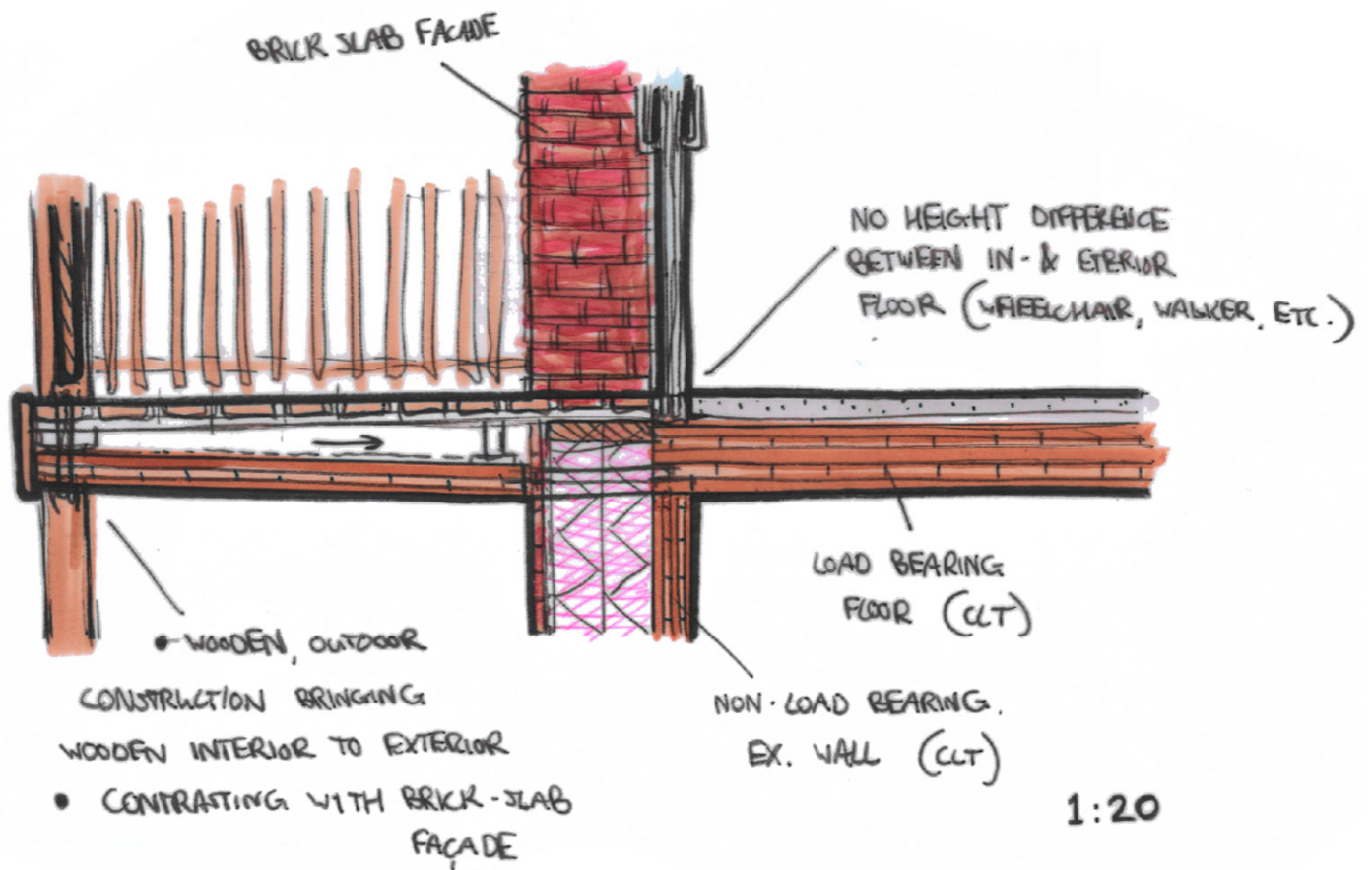


CLT slab structure (dwellings)
+
Column/beam system (shared,
collective spaces)









- CLT WALLS AND CEILING VISIBLE
- FLOOR FINISH: DIFFERENT FROM WALLS (LAYER OF CONCRETE)

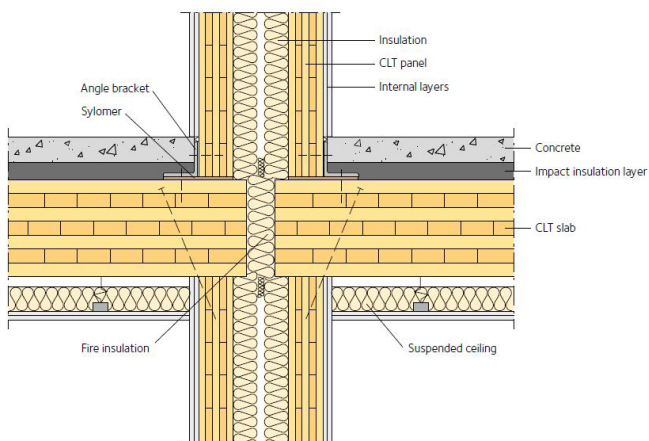


Figure 5.14 Vertical section for building with high demands, regarding sound insulation. Joint flooring to load-bearing apartment separating wall.

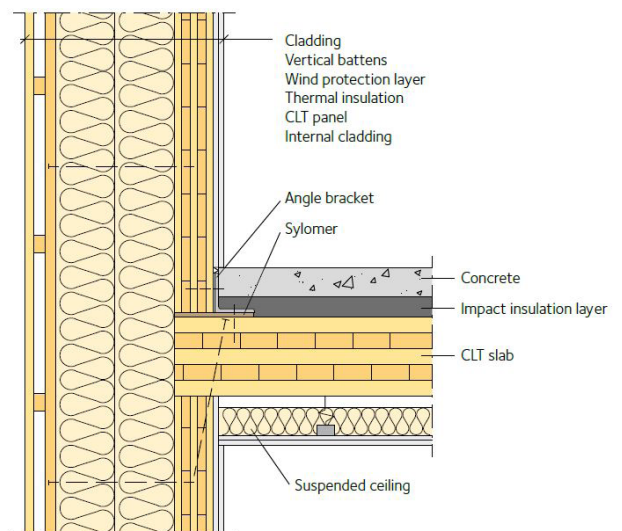
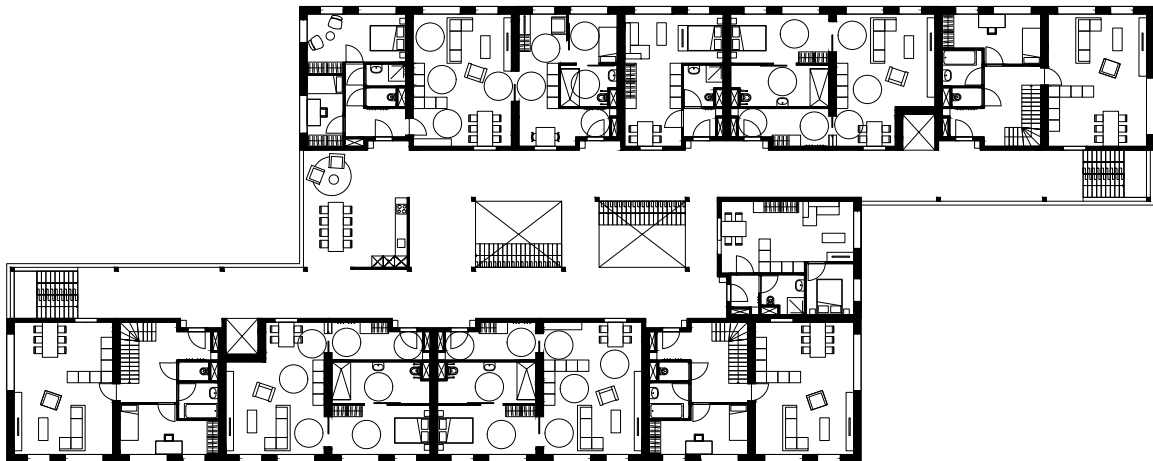


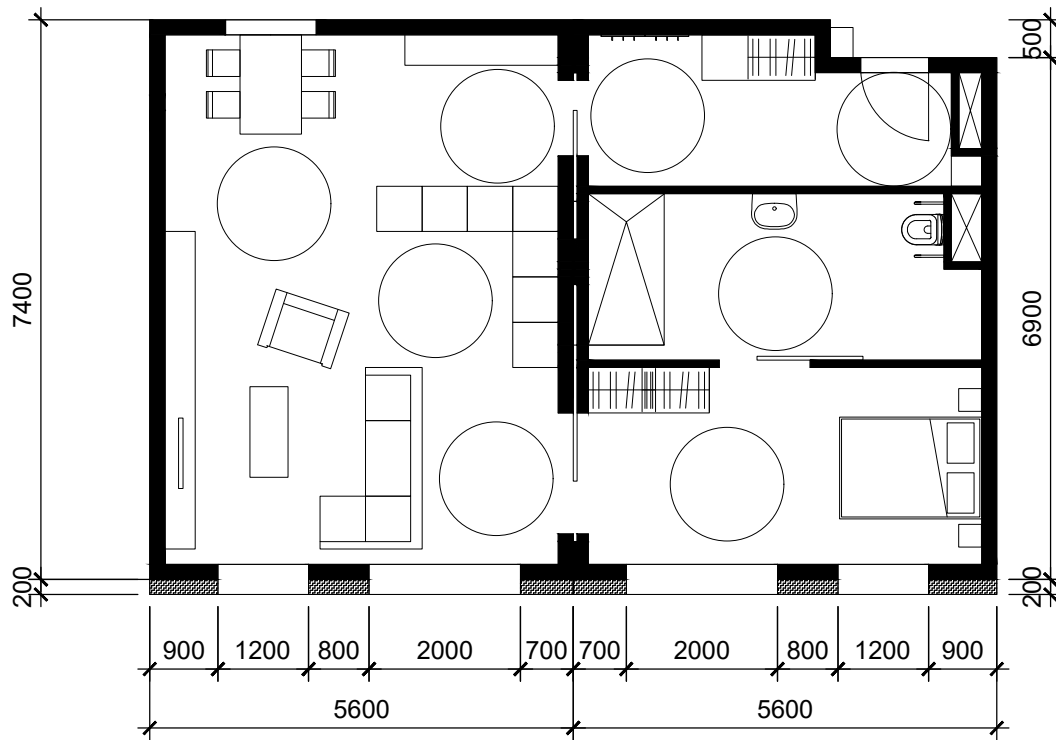
Figure 5.15 Vertical section for building with high demands regarding sound insulation. Joint to exterior wall.

7

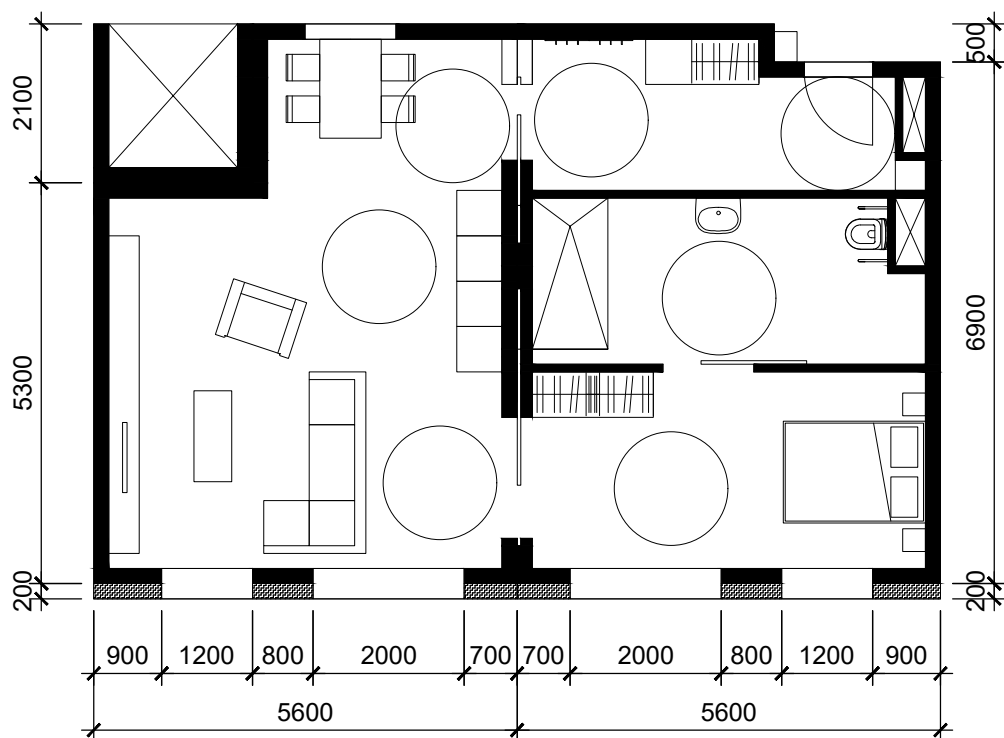
Week 7



Common House: **Floor 2**



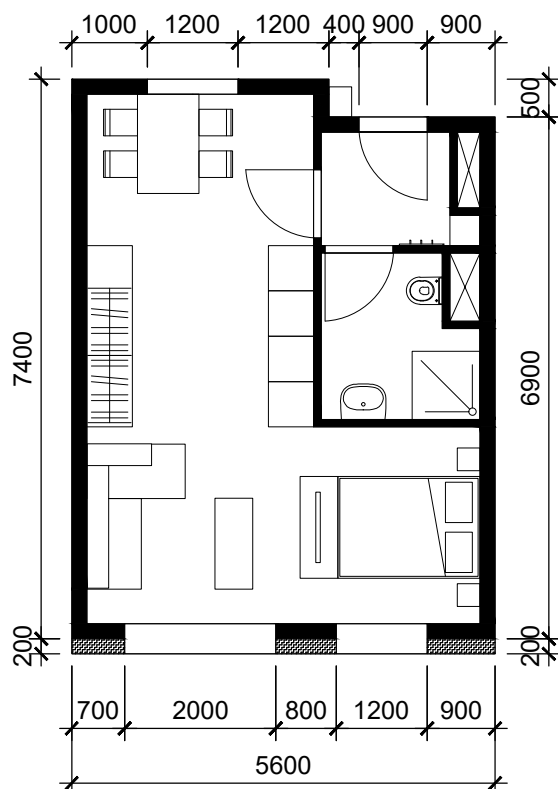
Dwelling unit: **Elderly**



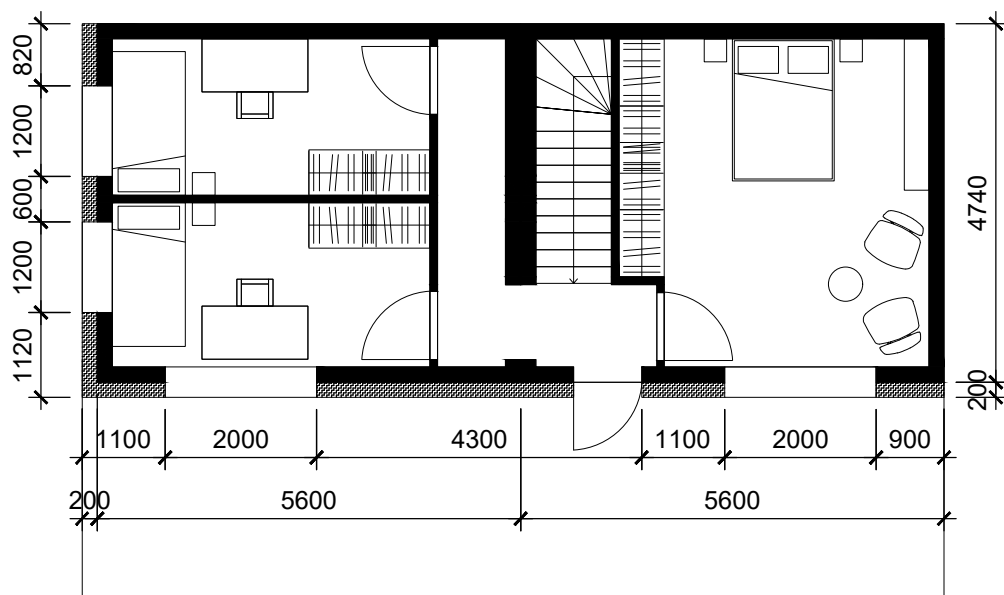
Dwelling unit: **Elderly (lift)**



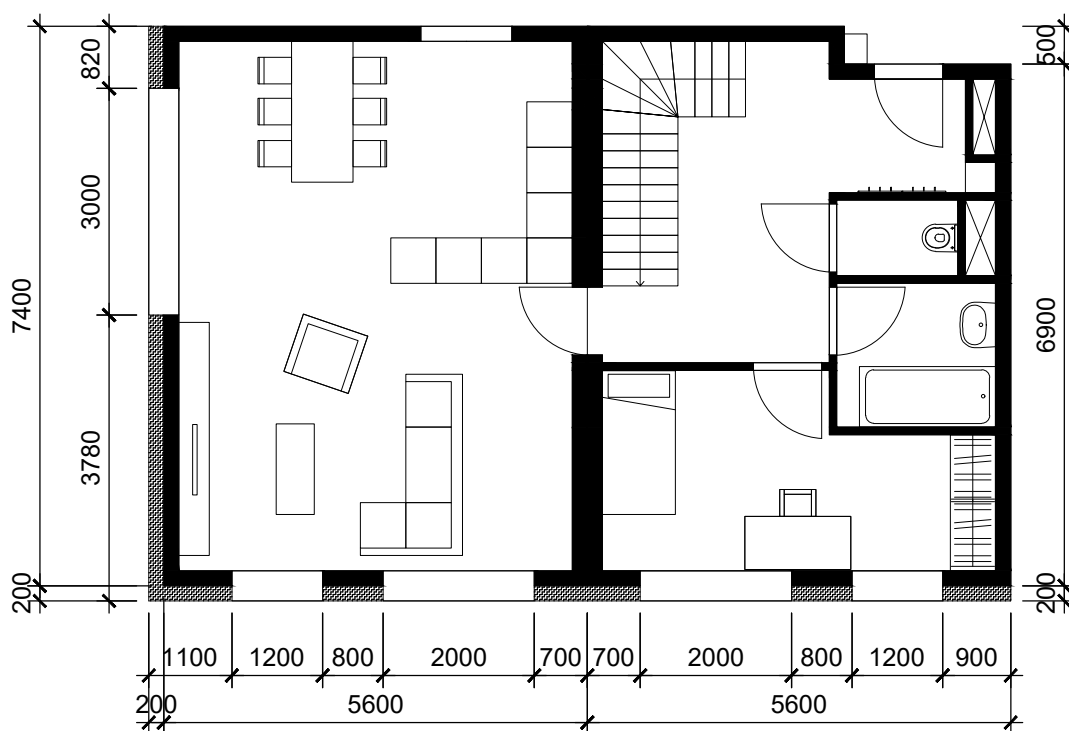
Dwelling unit: 'Kangaroo'



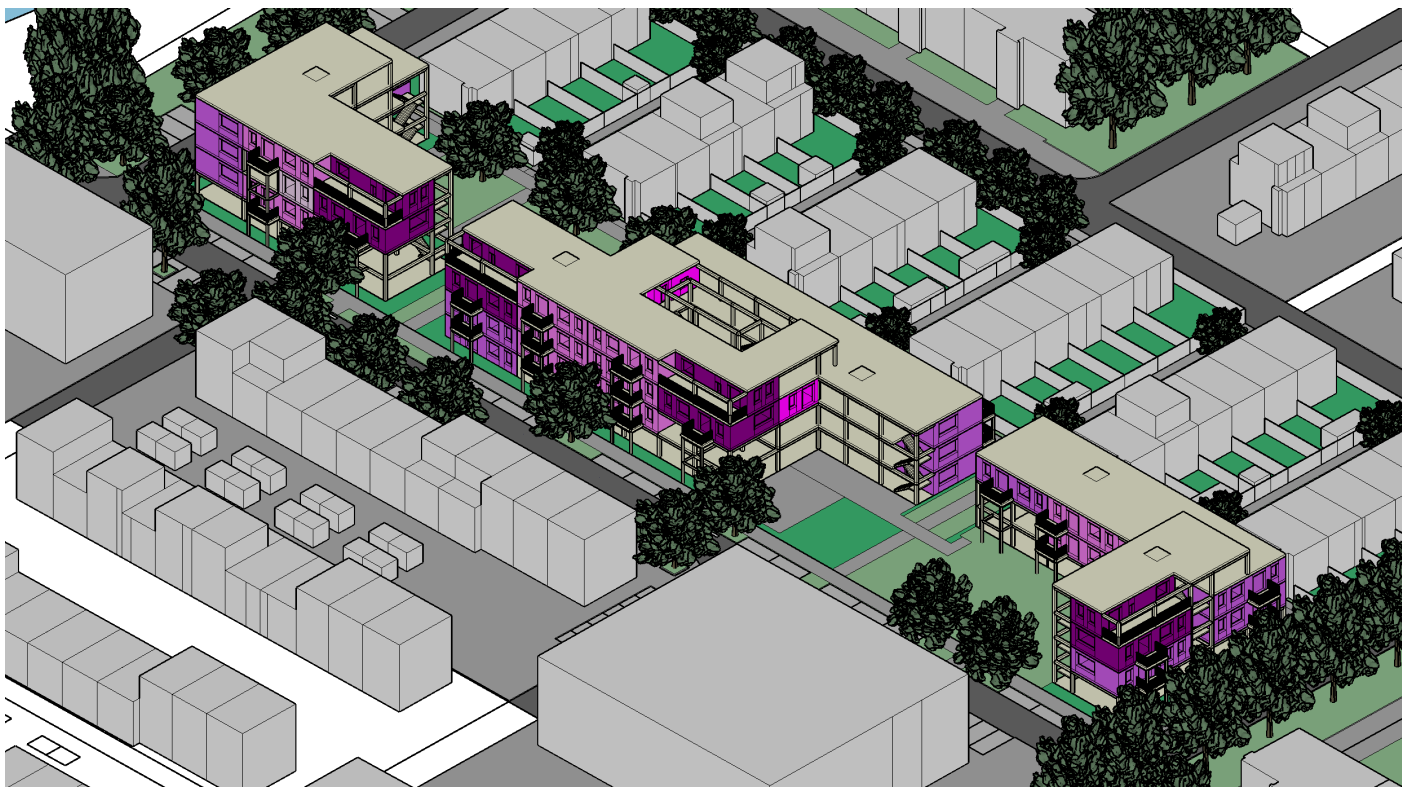
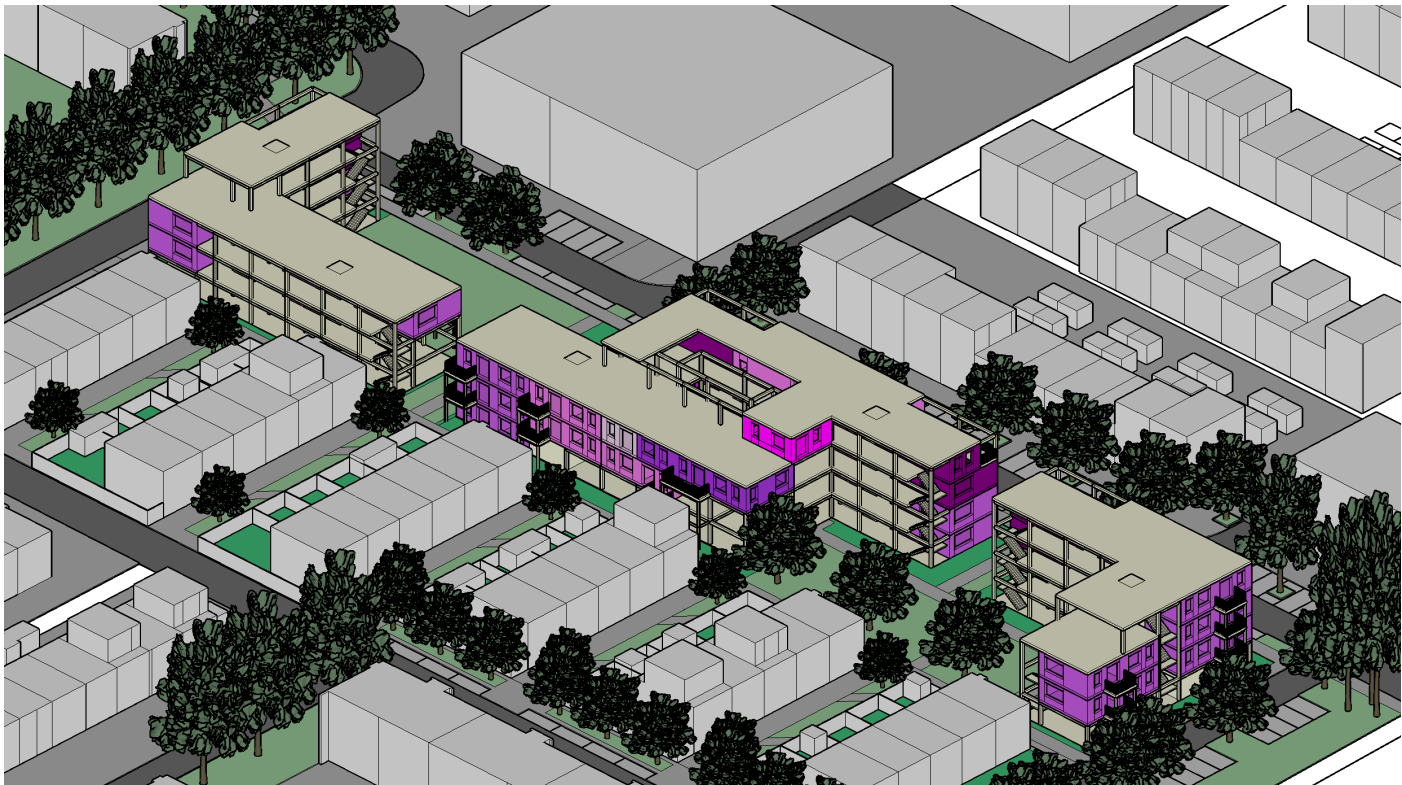
Dwelling unit: **Student**

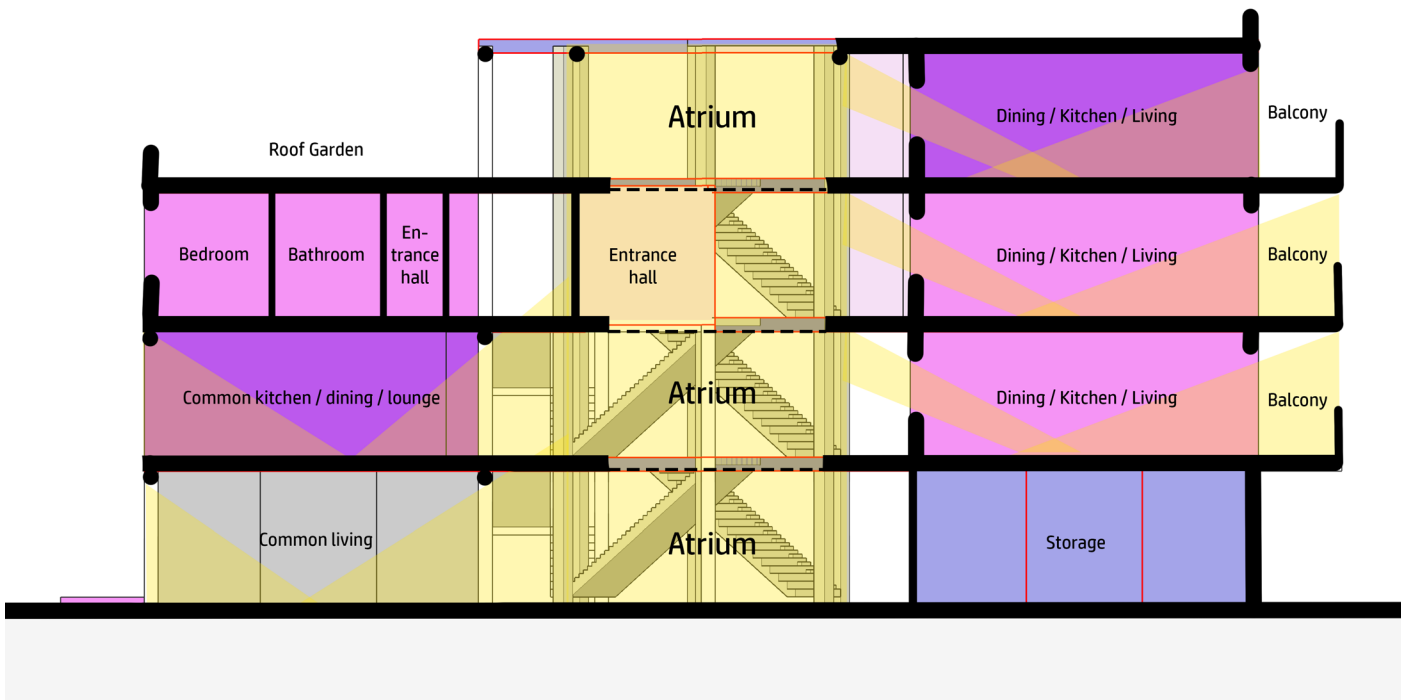
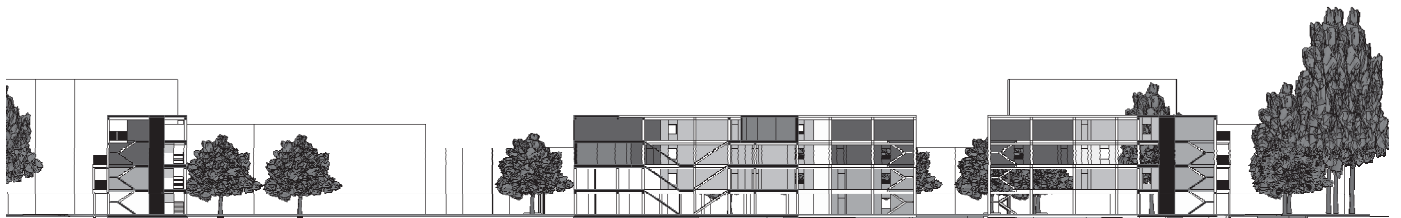
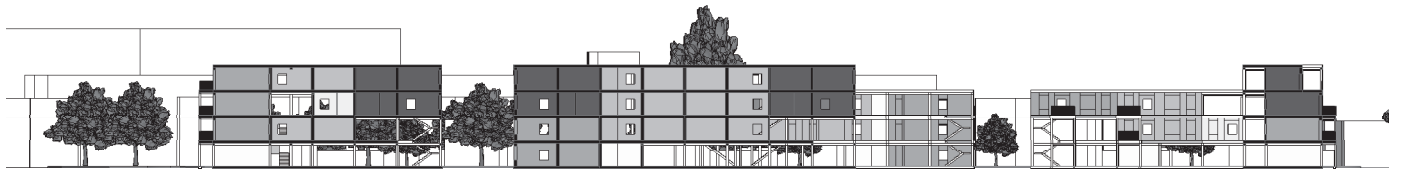


Dwelling unit: **Family maisonette (+1)**

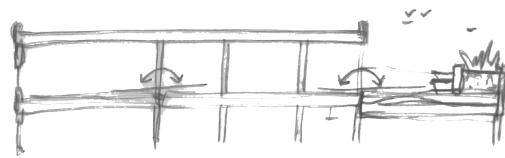


Dwelling unit: **Family maisonette (0)**

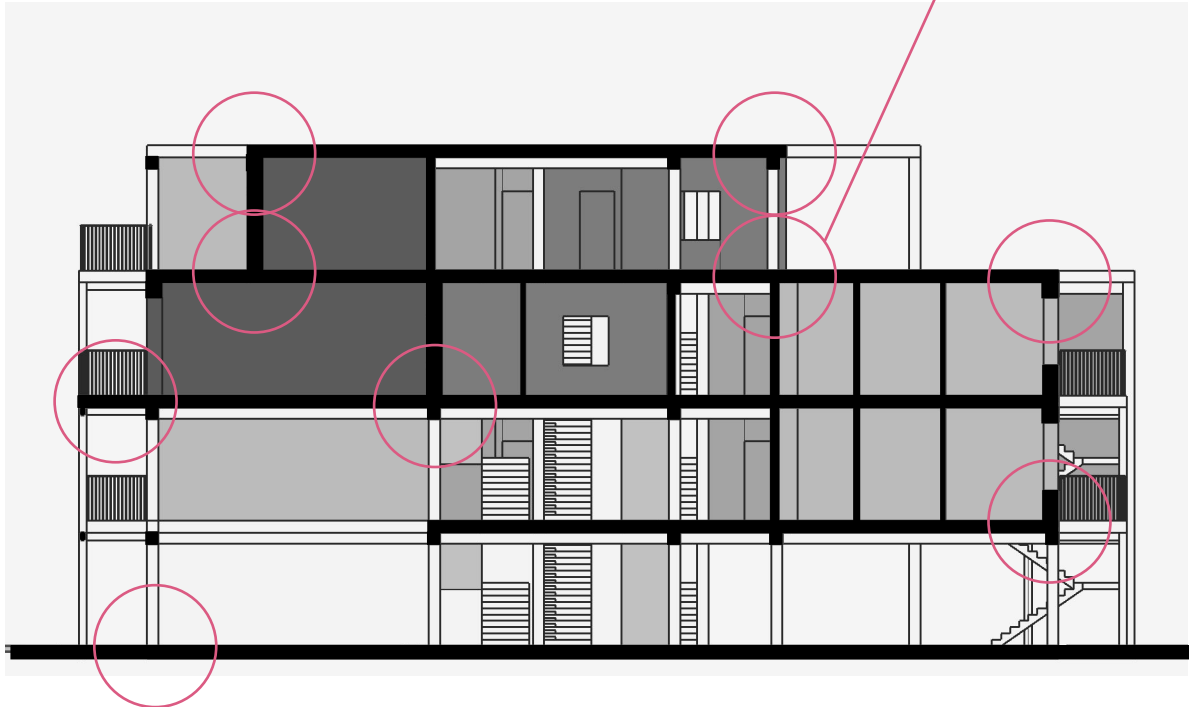






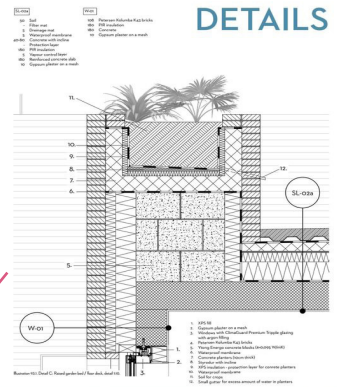


SAME LEVEL FLOORS BETWEEN ① DWELLING, ② ATRIUM & ③ ROOF-GARDEN

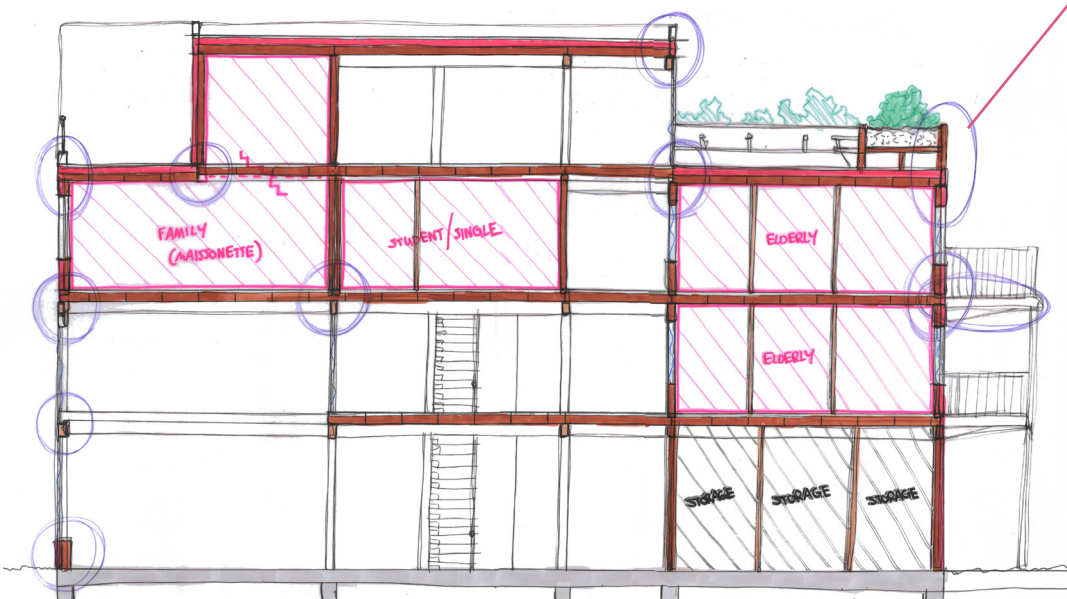


Section: Community Café + details

DETAILS



DESIGN PROCESS | ENVELOPE | APPENDIX 93



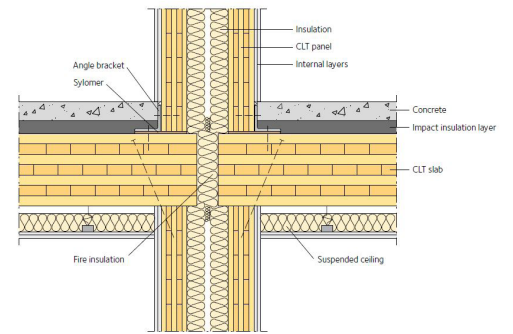
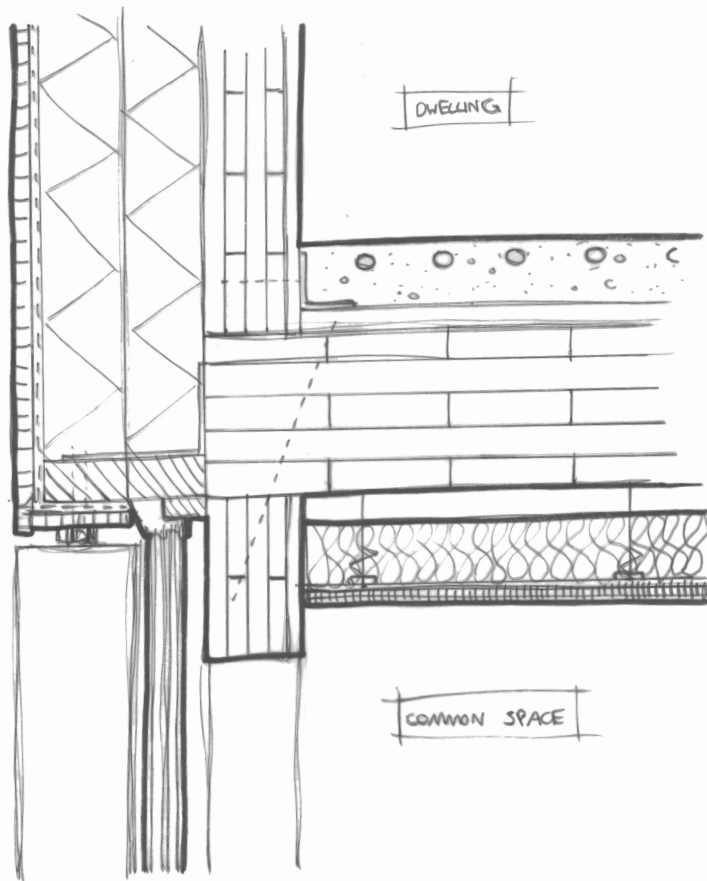


Figure 5.14 Vertical section for building with high demands, regarding sound insulation. Joint flooring to load-bearing apartment separating wall.

Wäringscheider detalj - © Svedsten Wood



Figure 6.19 Design principle for window mounting.

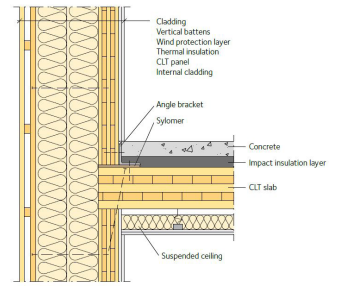
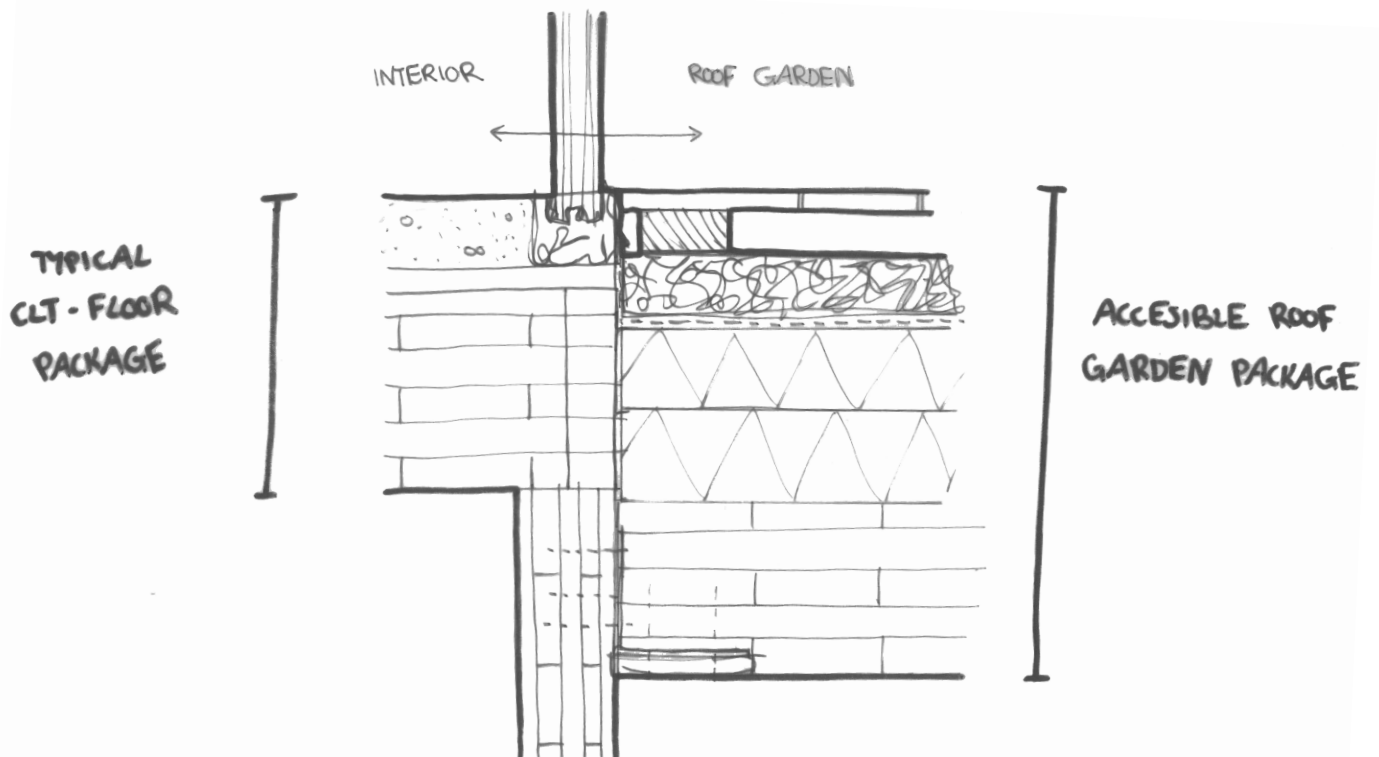


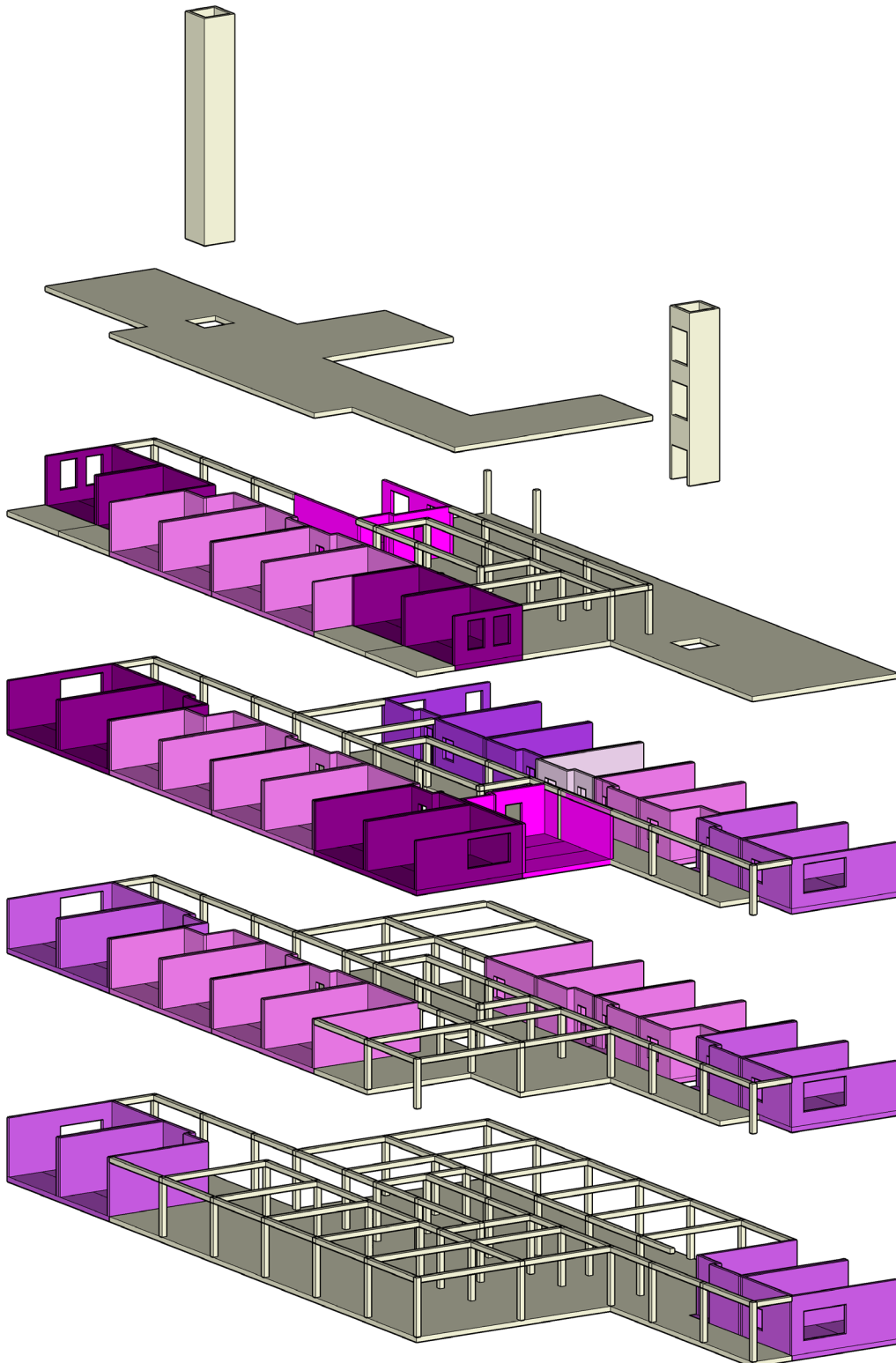
Figure 5.15 Vertical section for building with high demands regarding sound insulation. Joint to exterior wall.

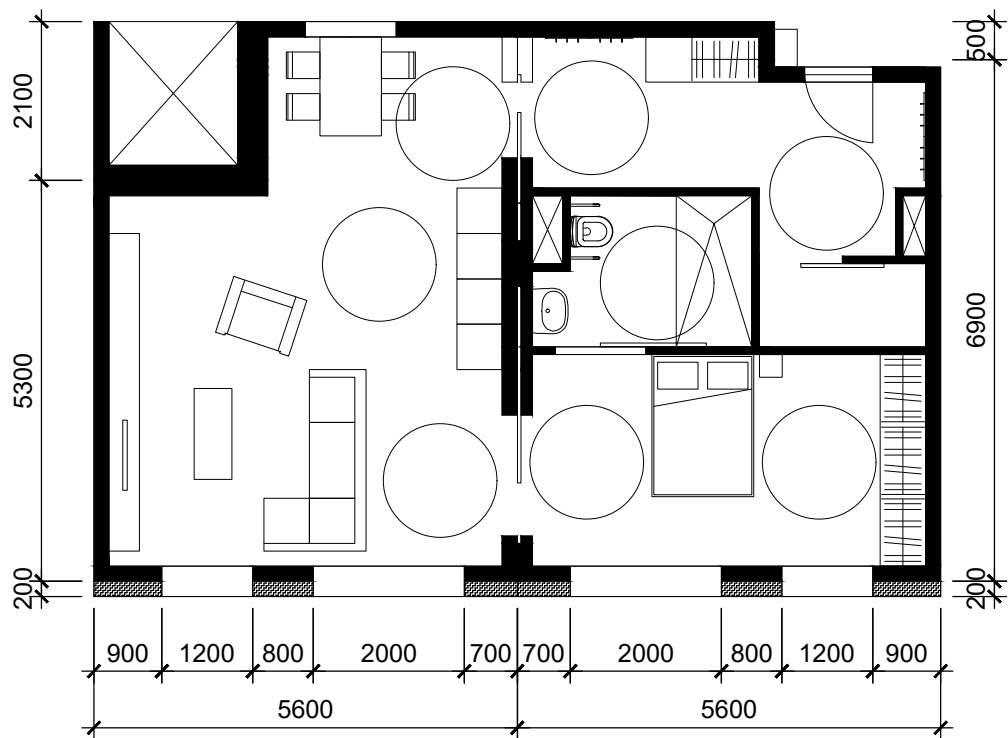
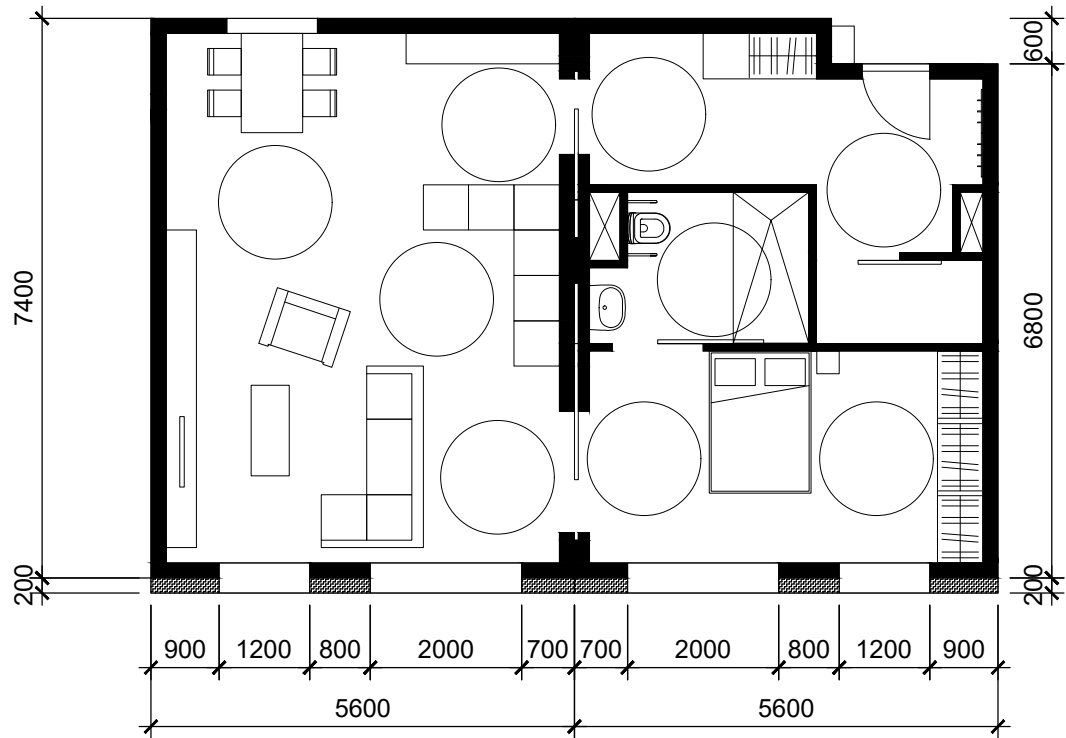
© Svedsten Wood

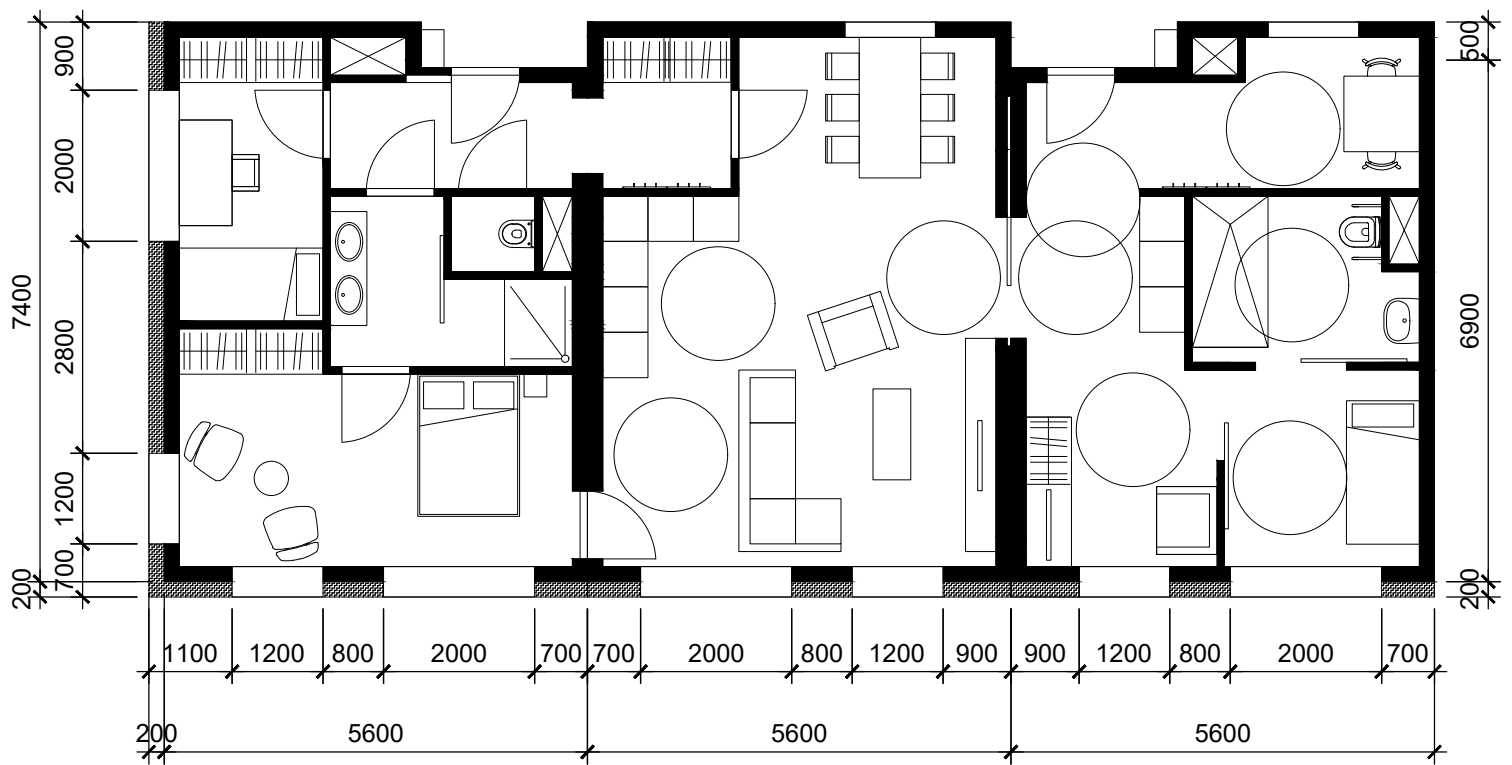
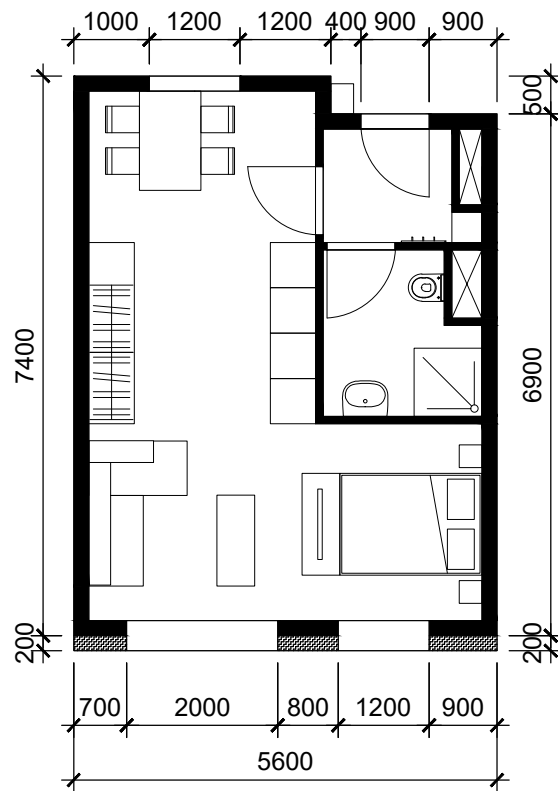


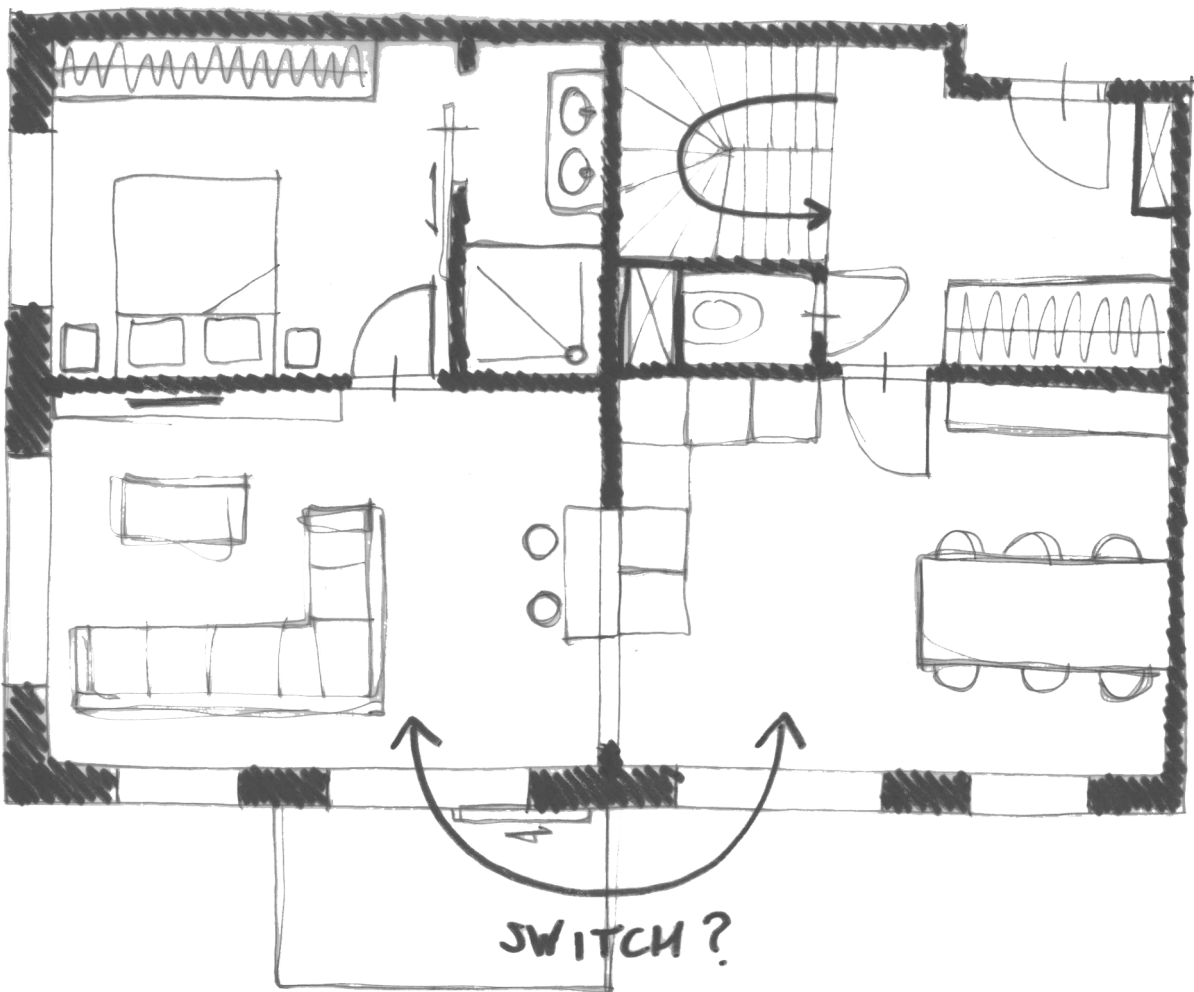
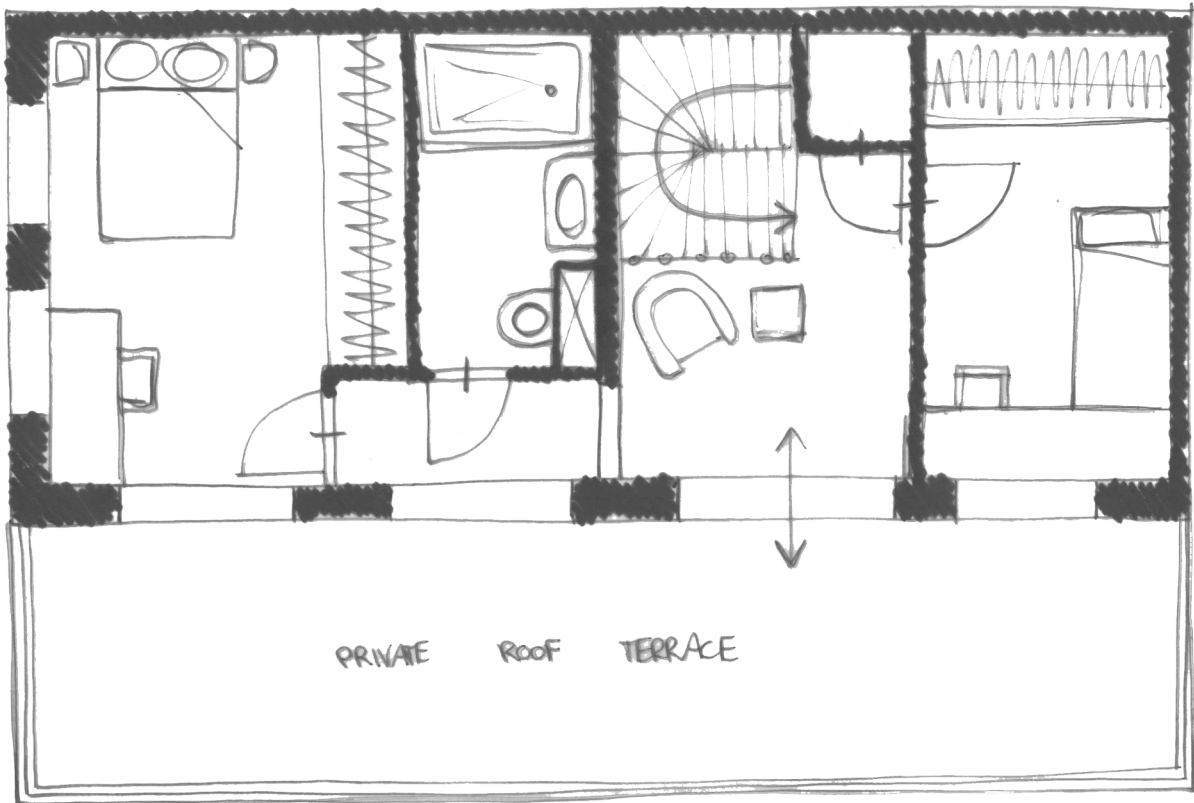
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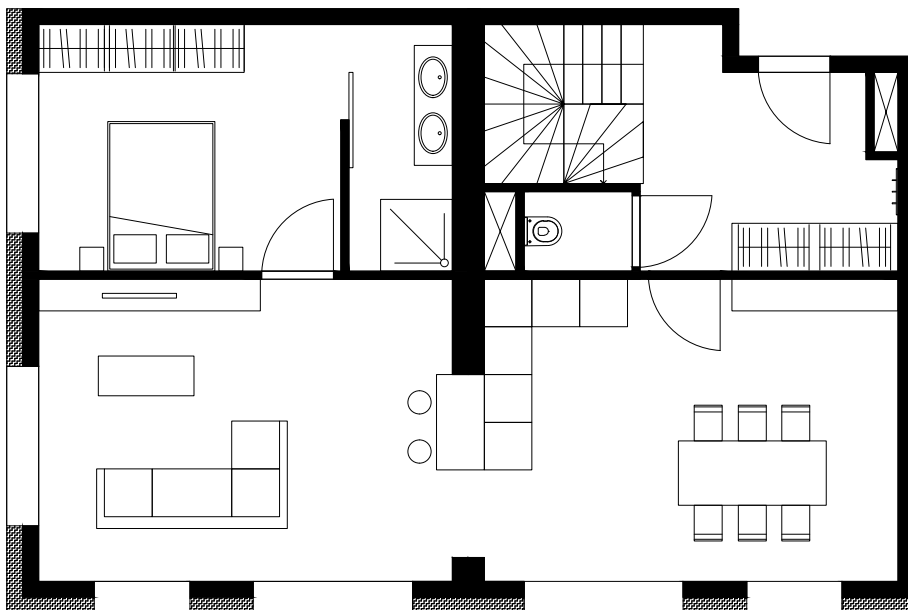
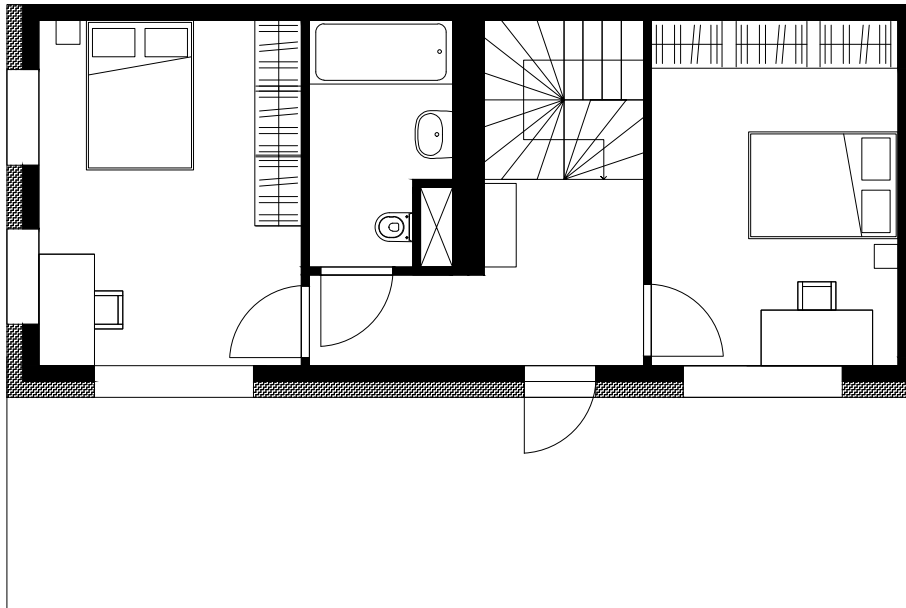
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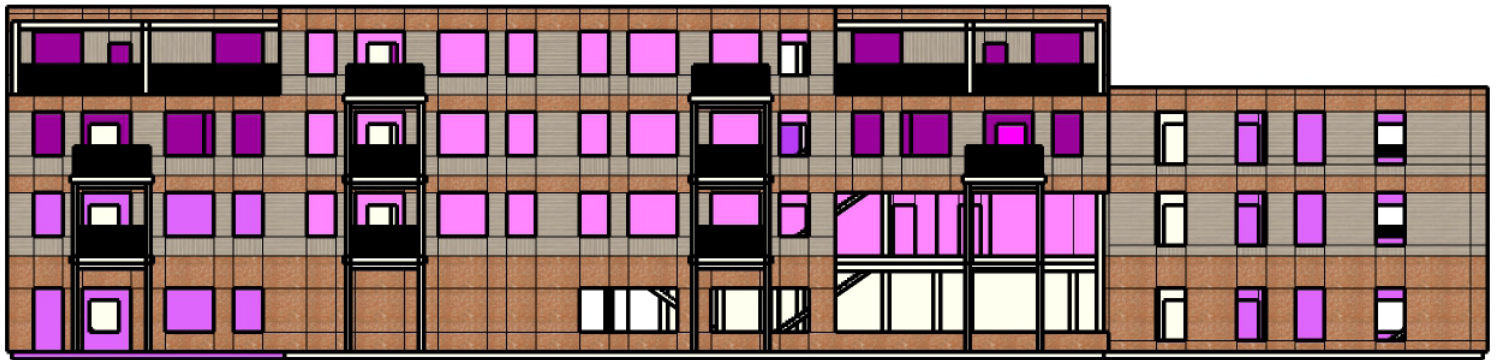
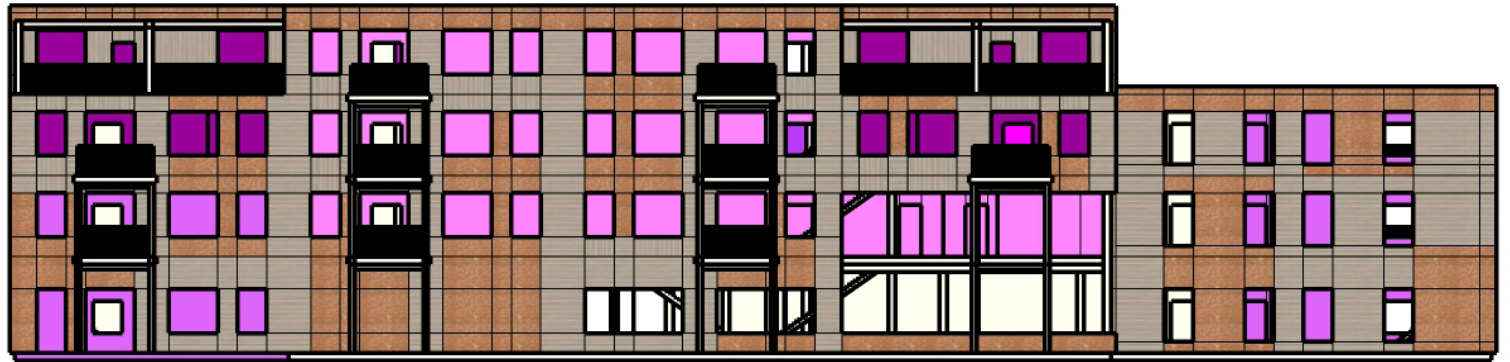
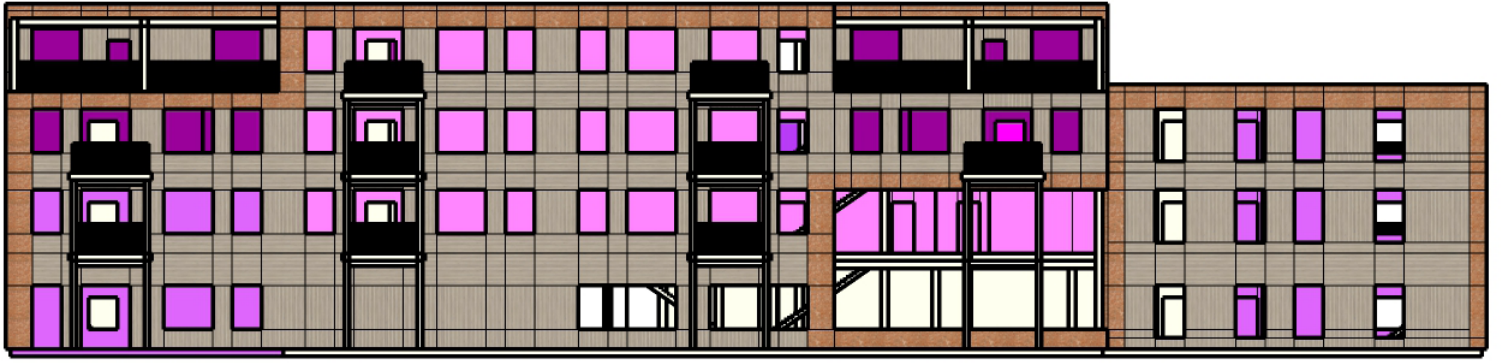


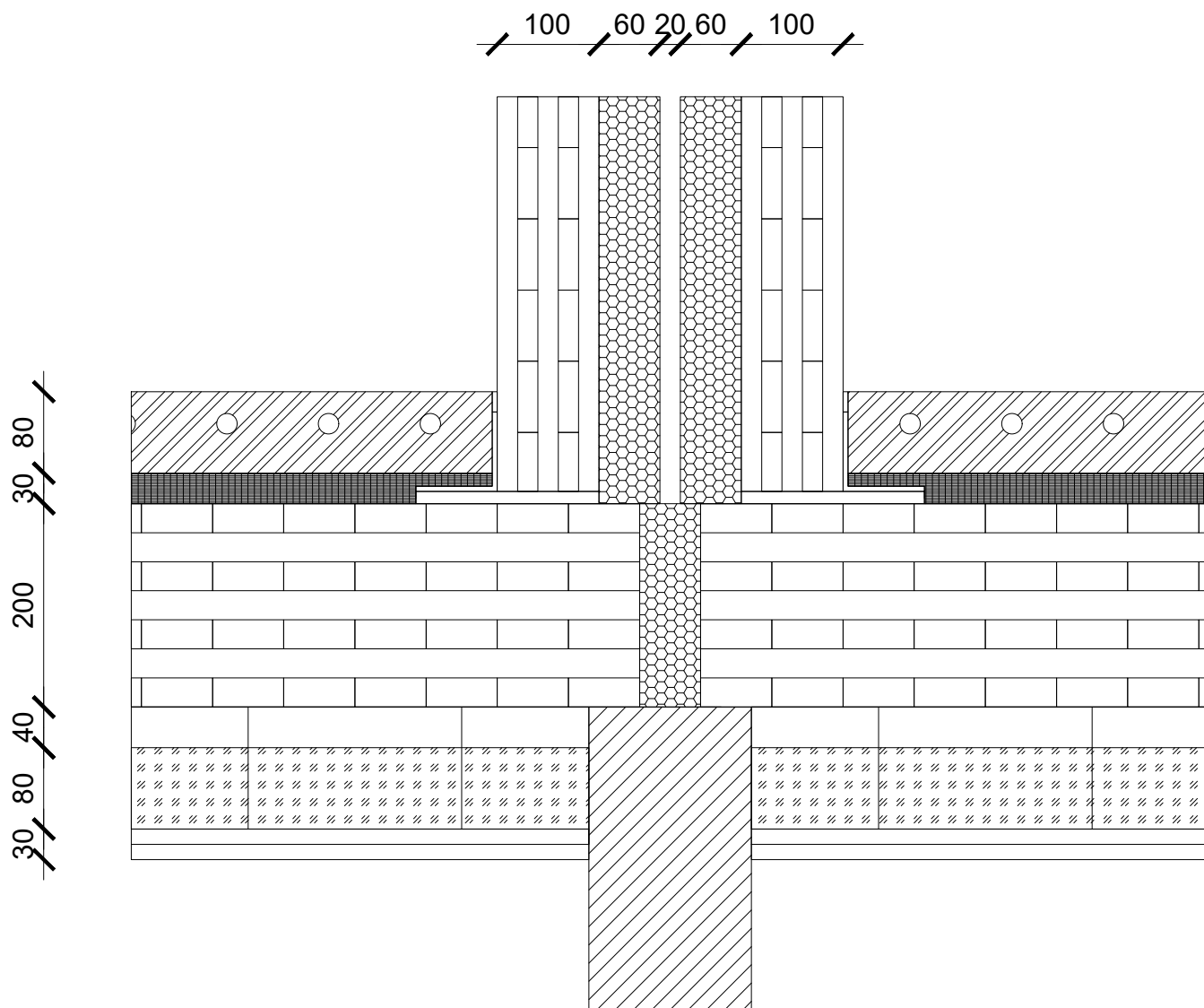


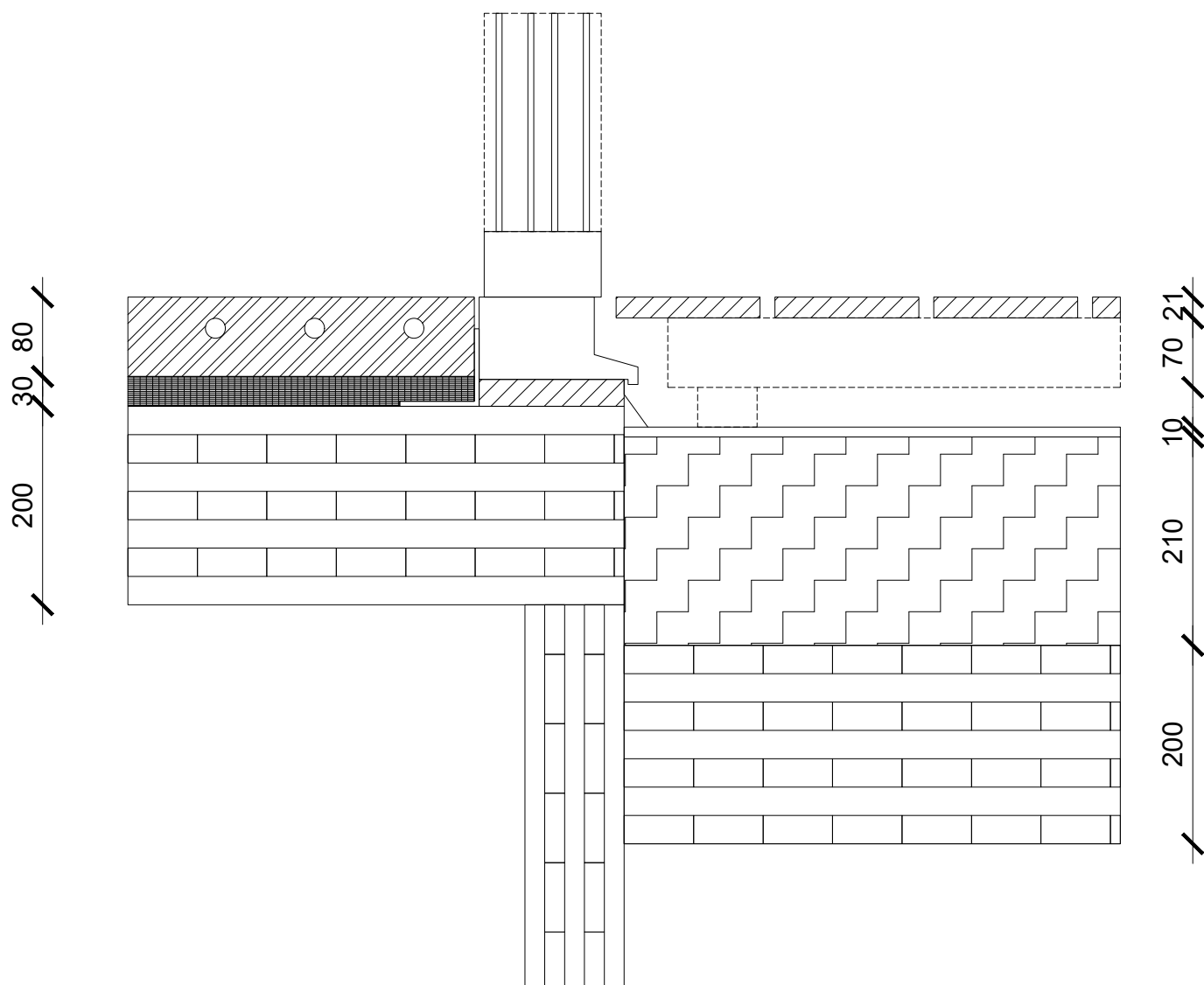






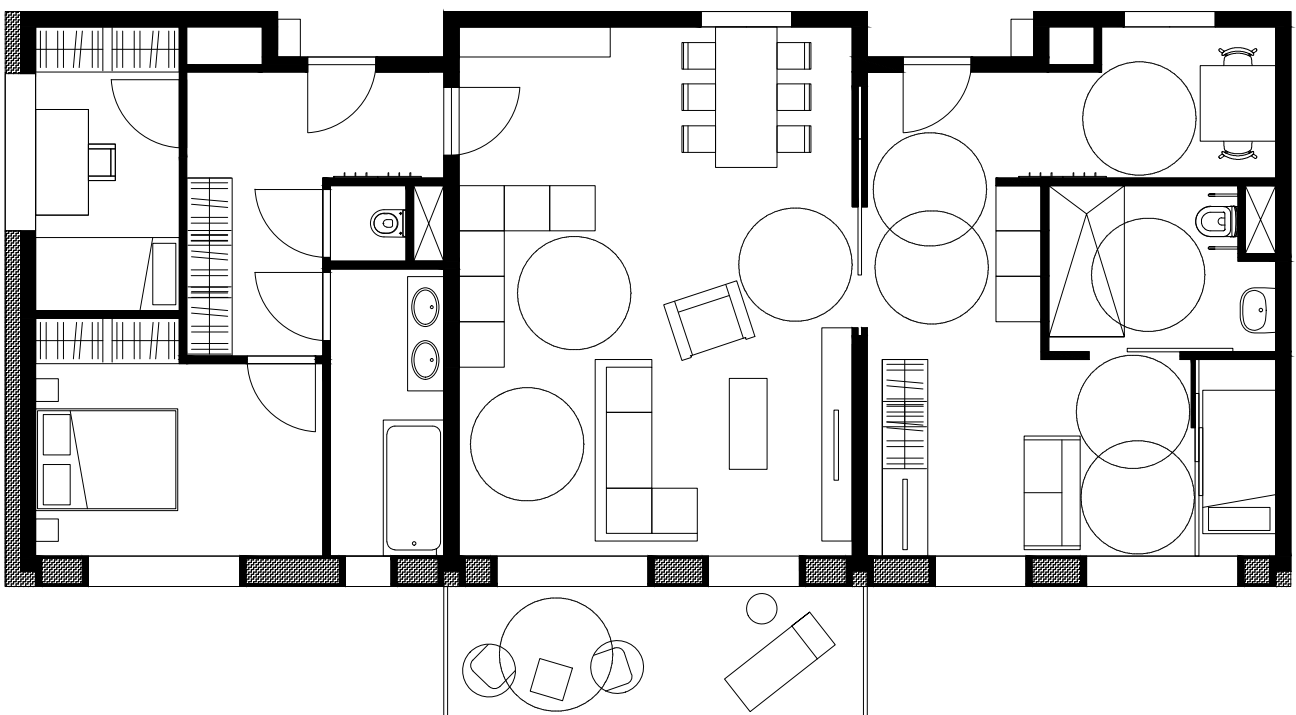
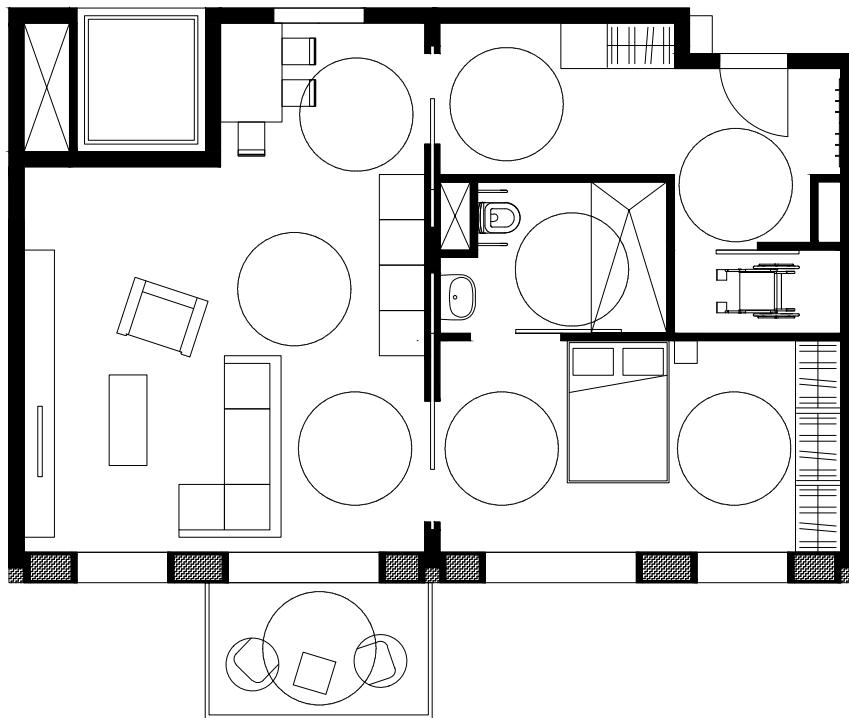


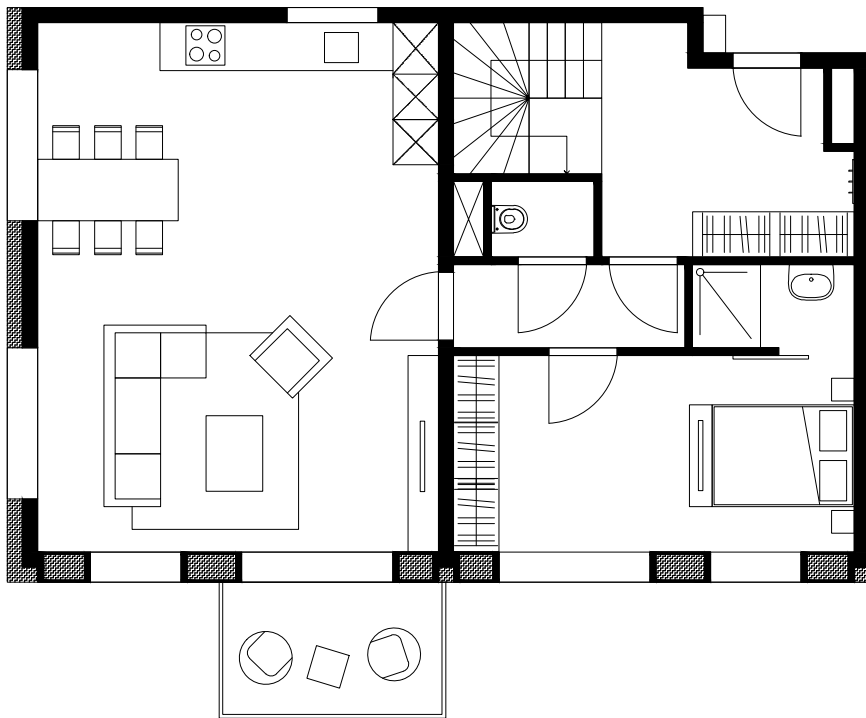
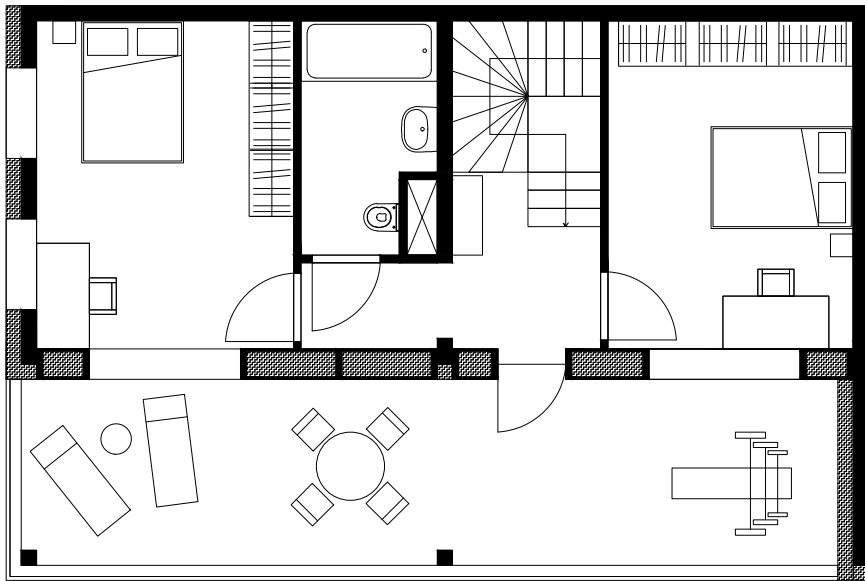


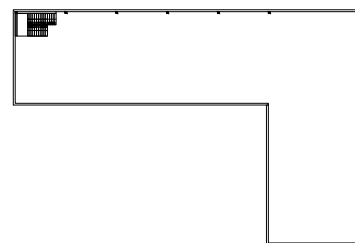
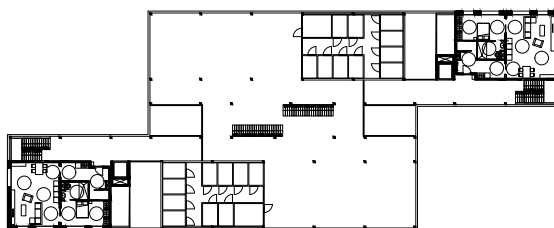
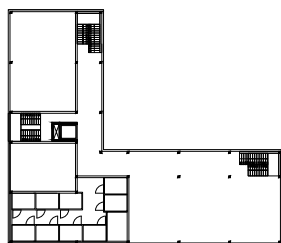
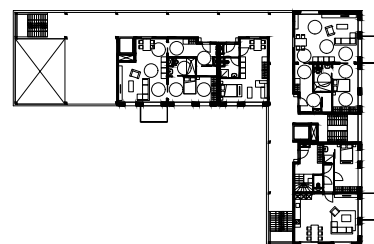
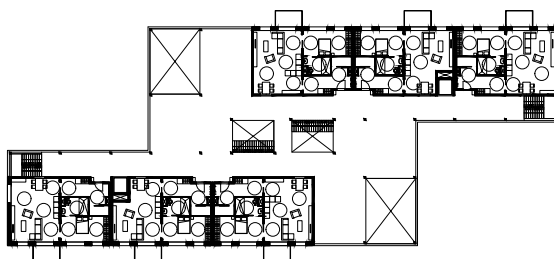
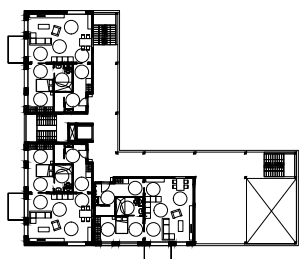
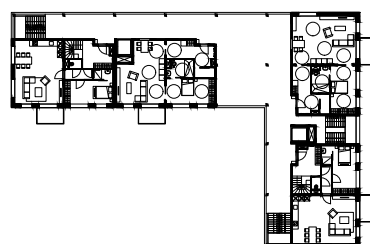
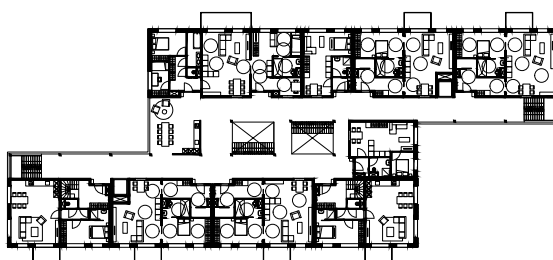
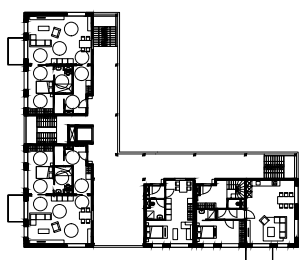
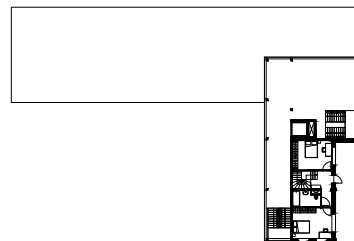
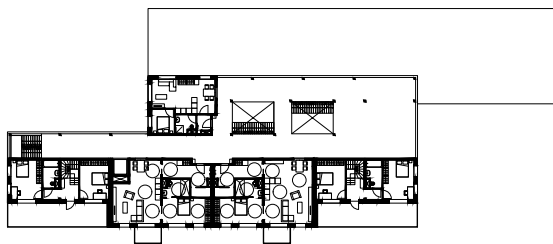
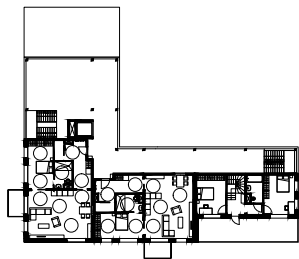


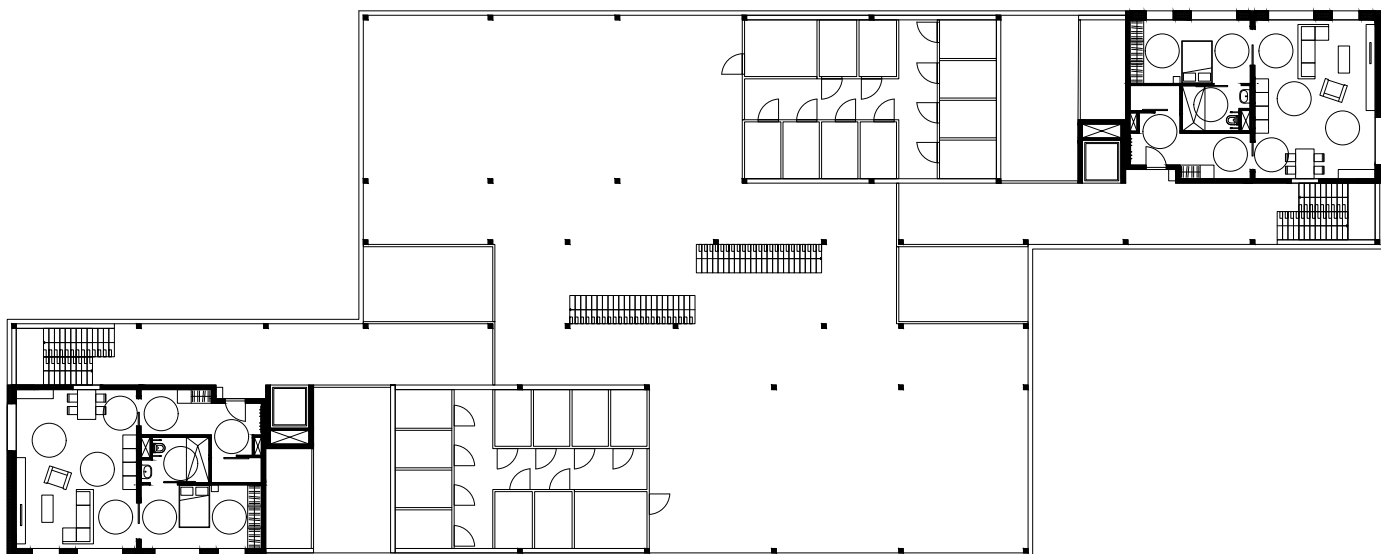
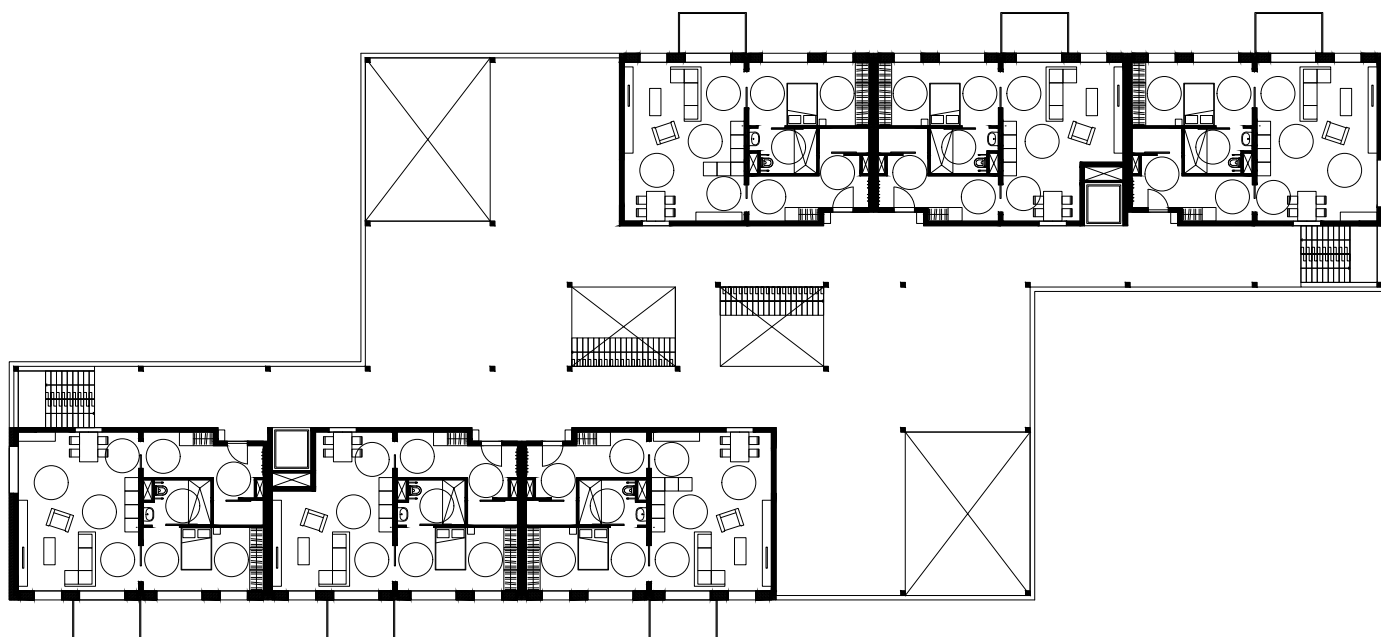
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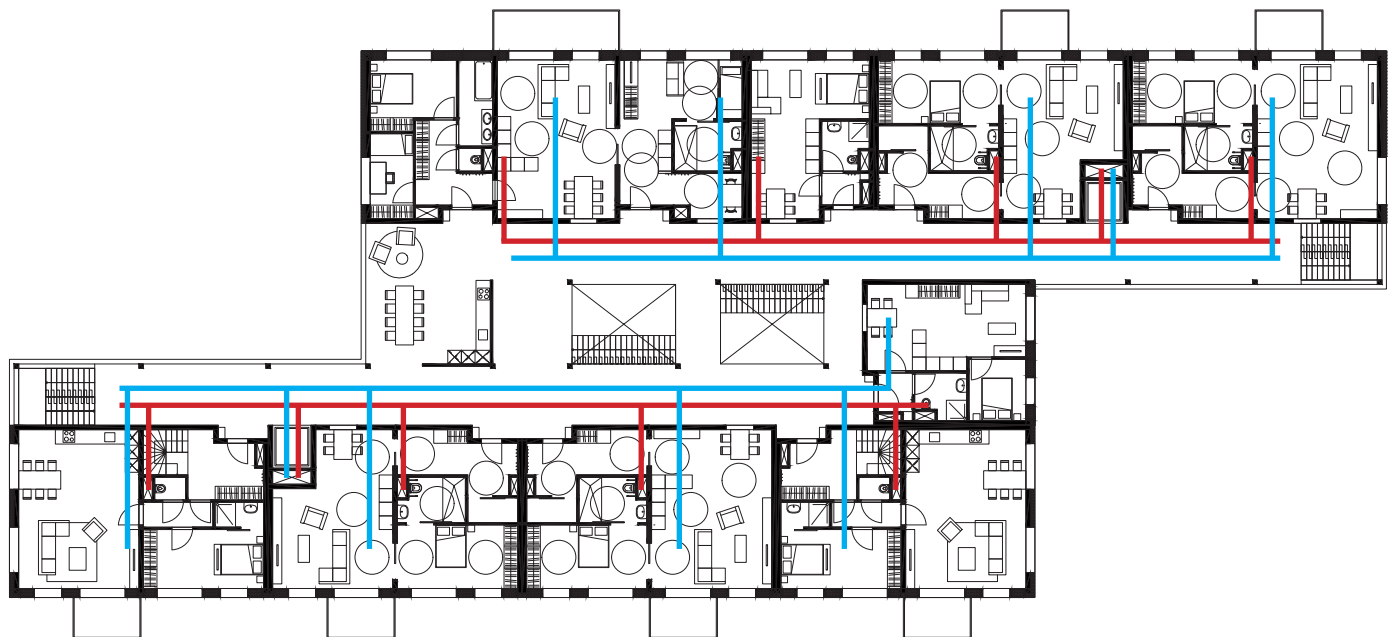
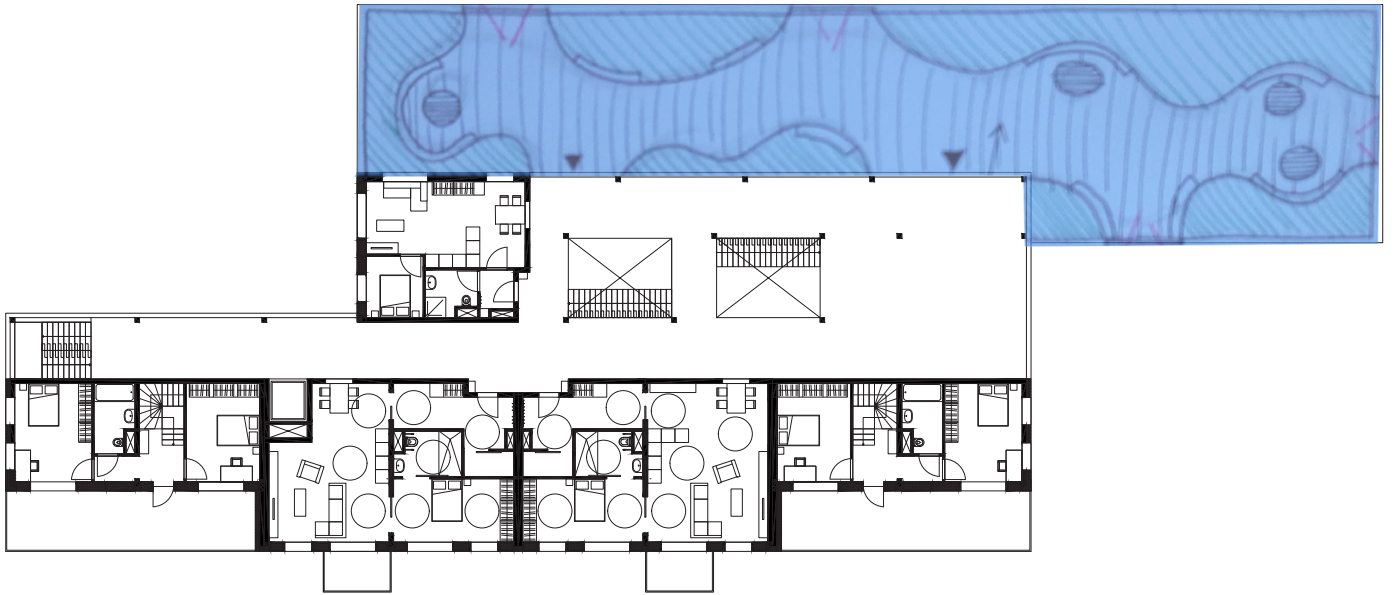
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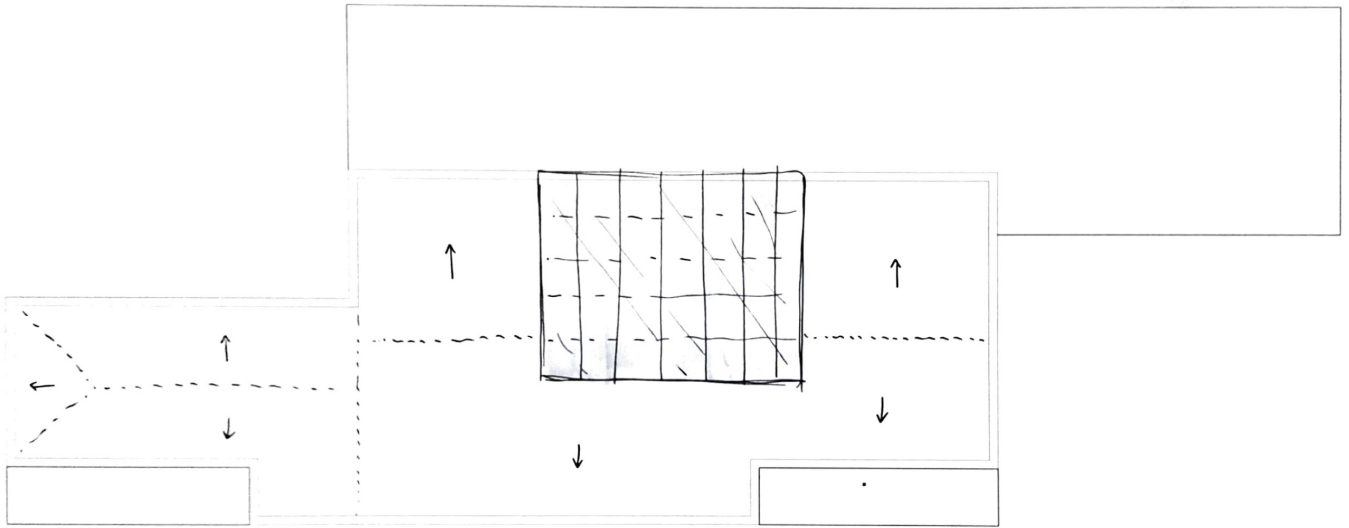


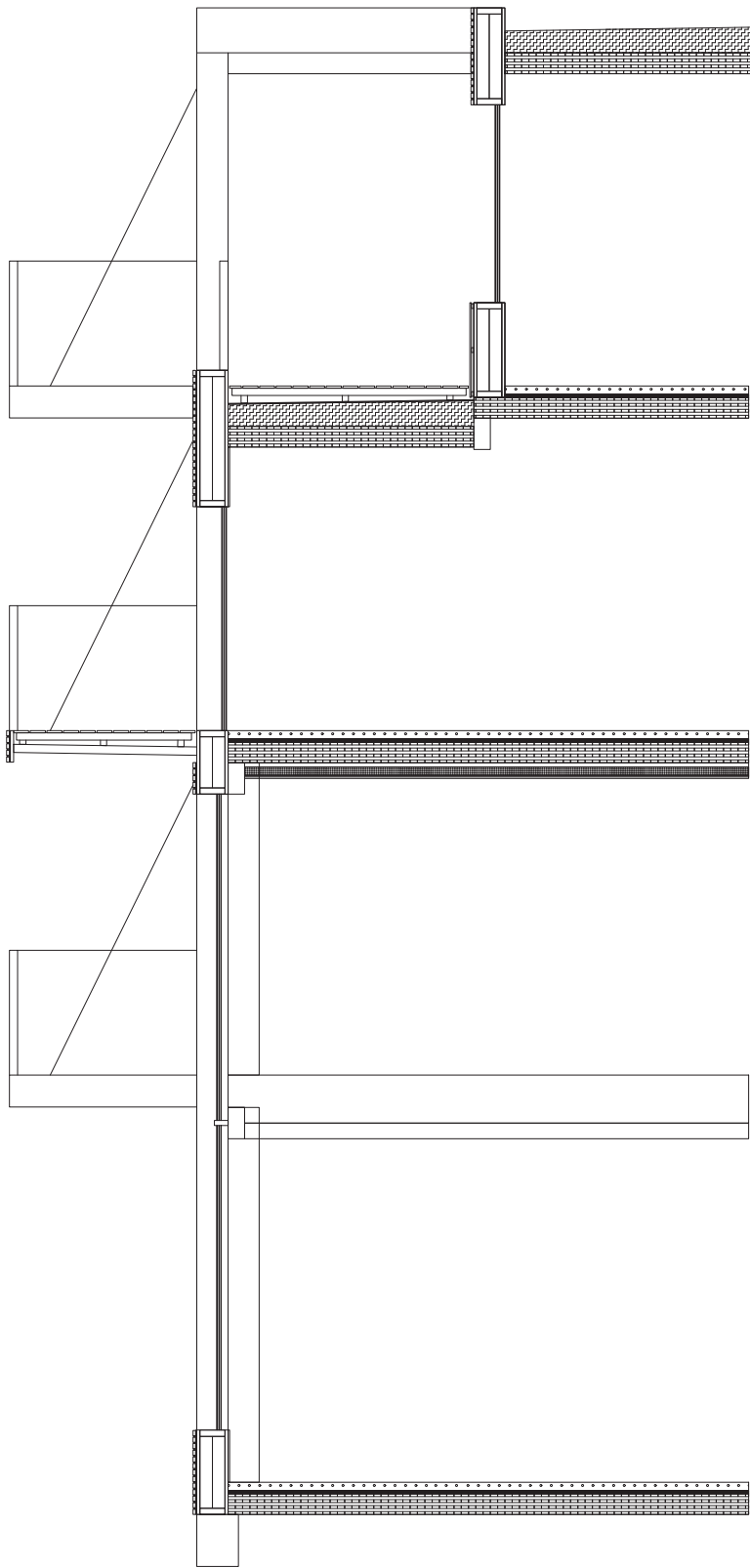


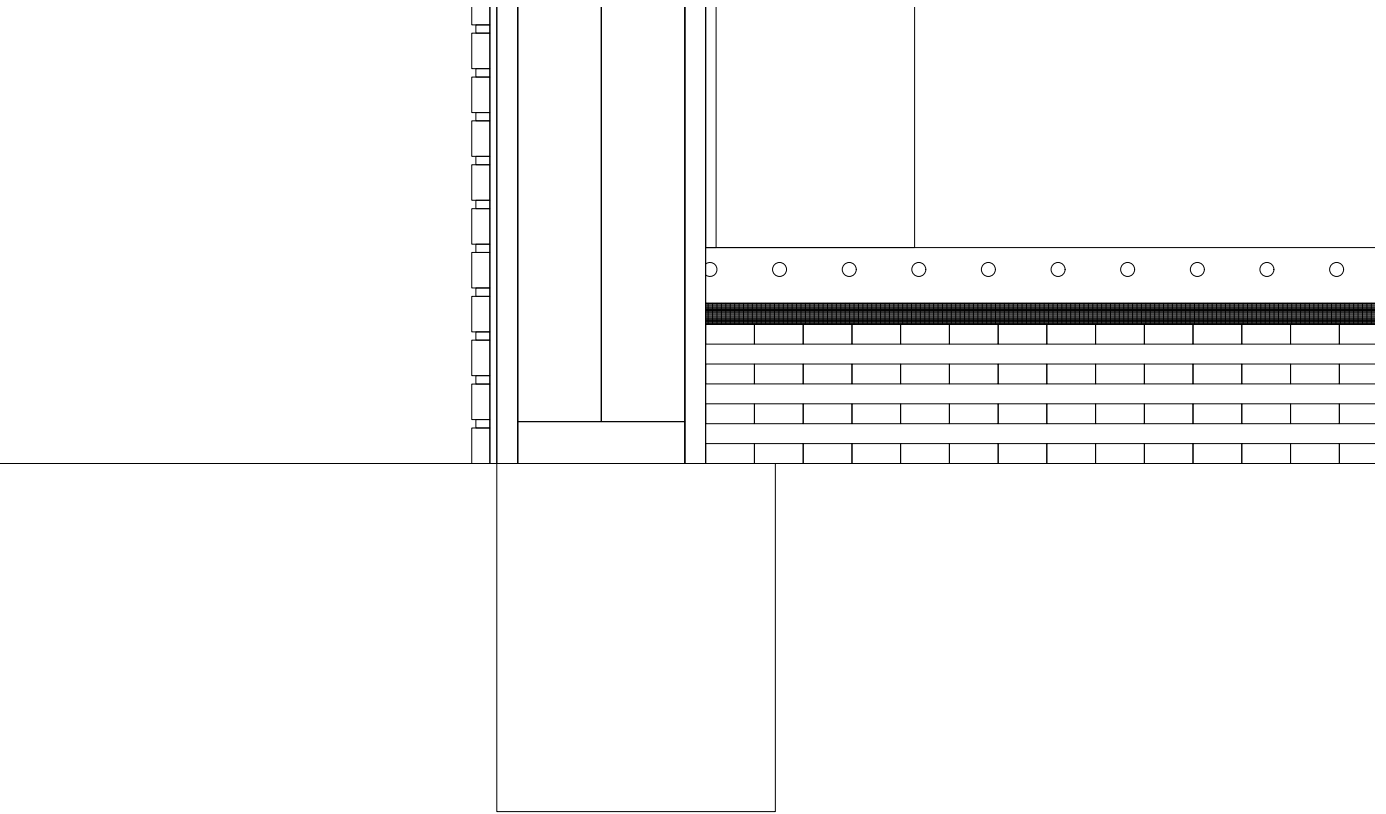
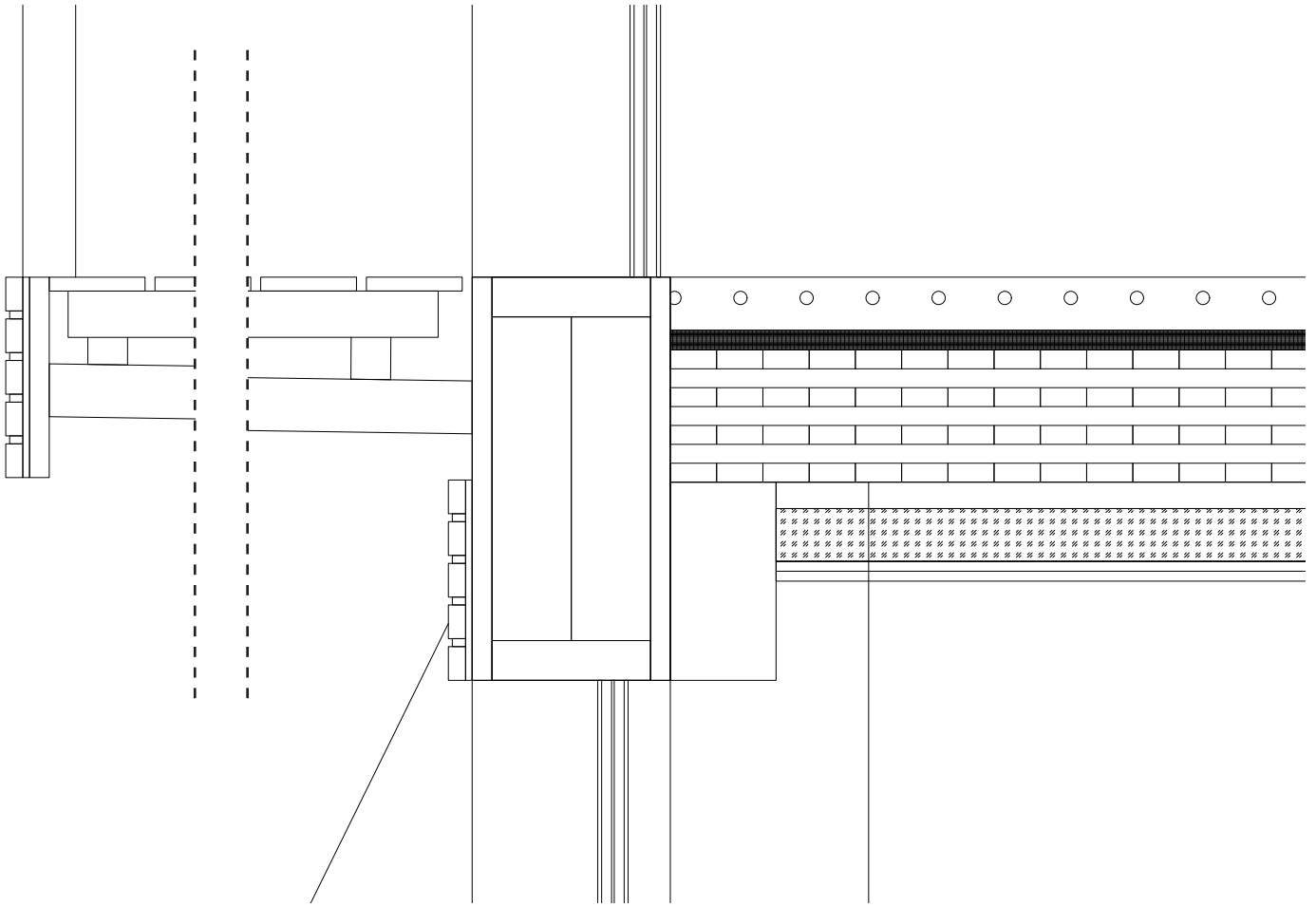


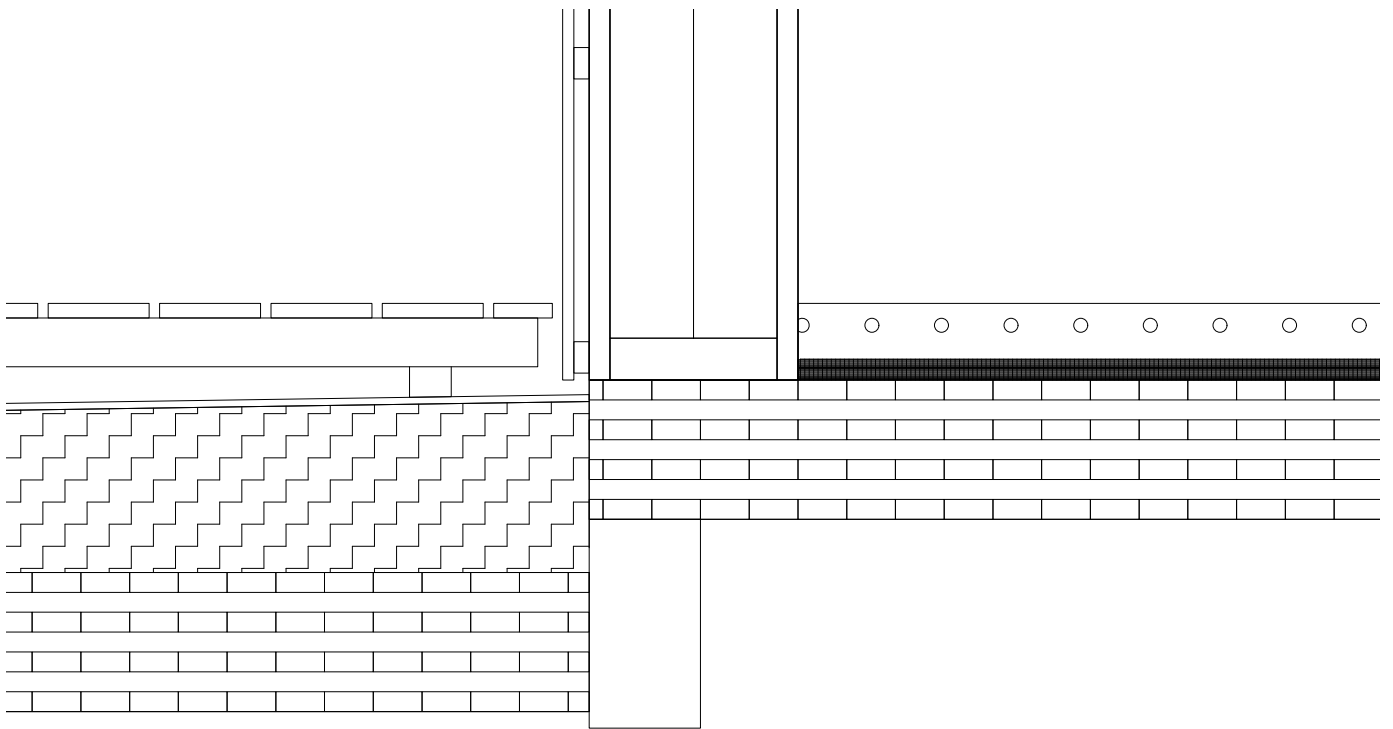
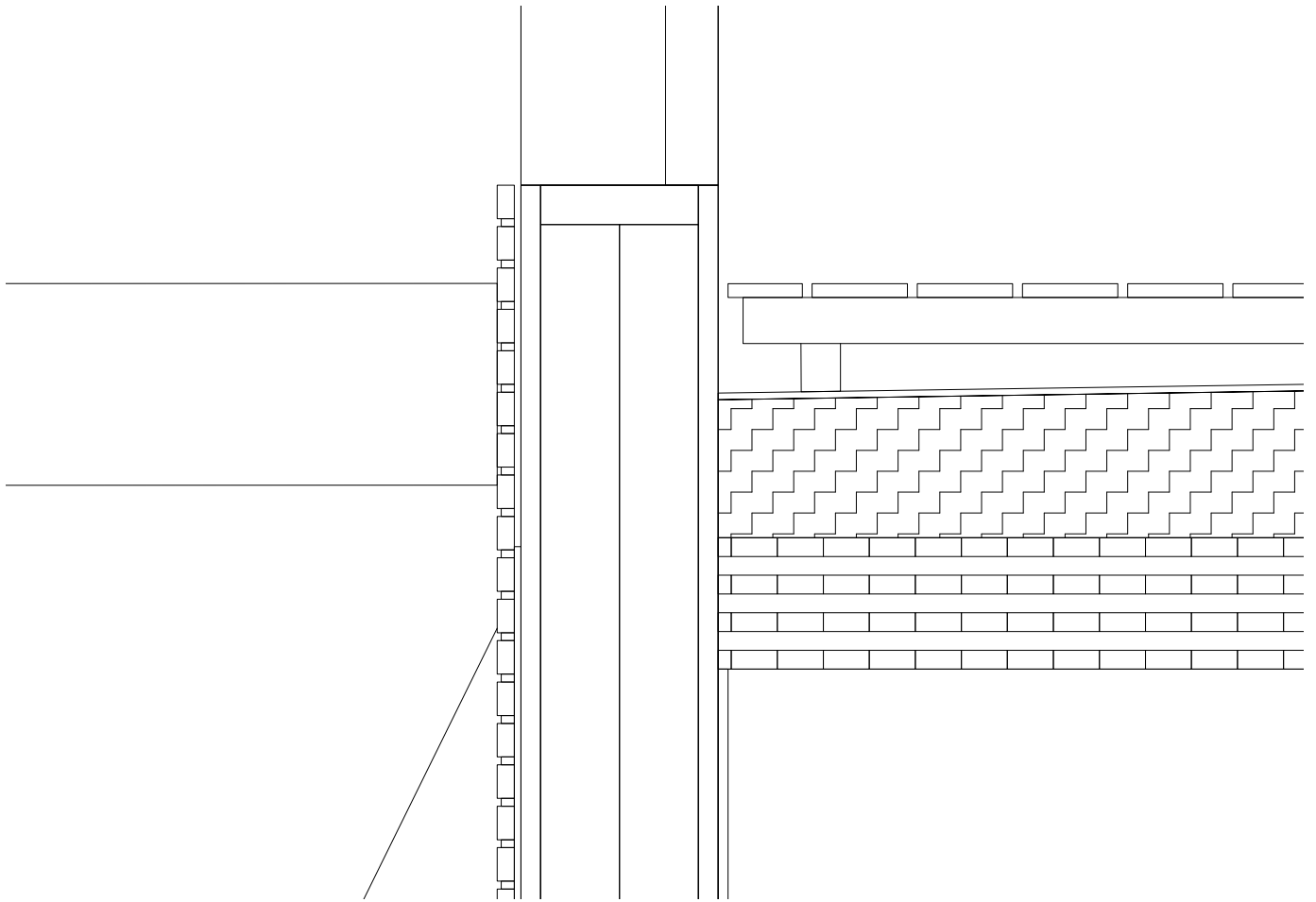


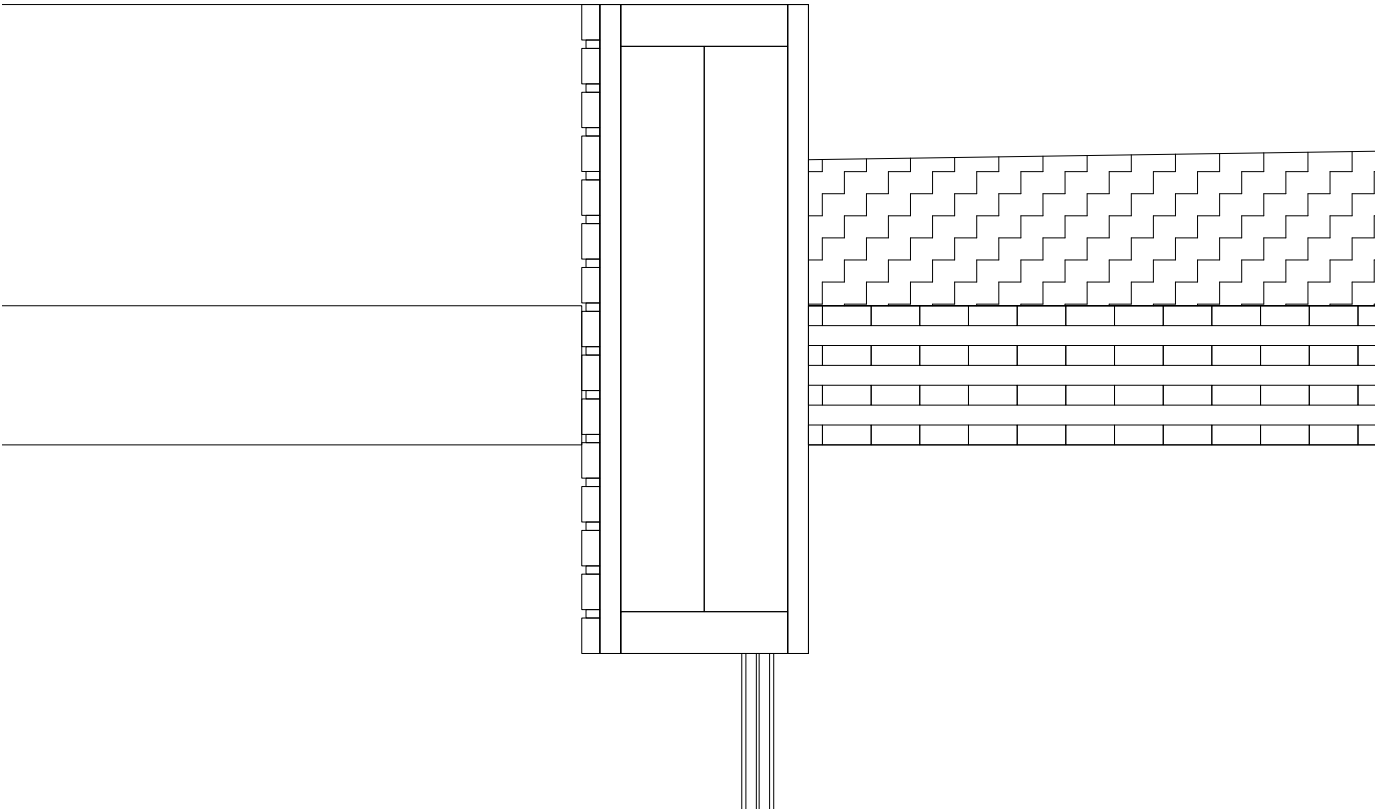






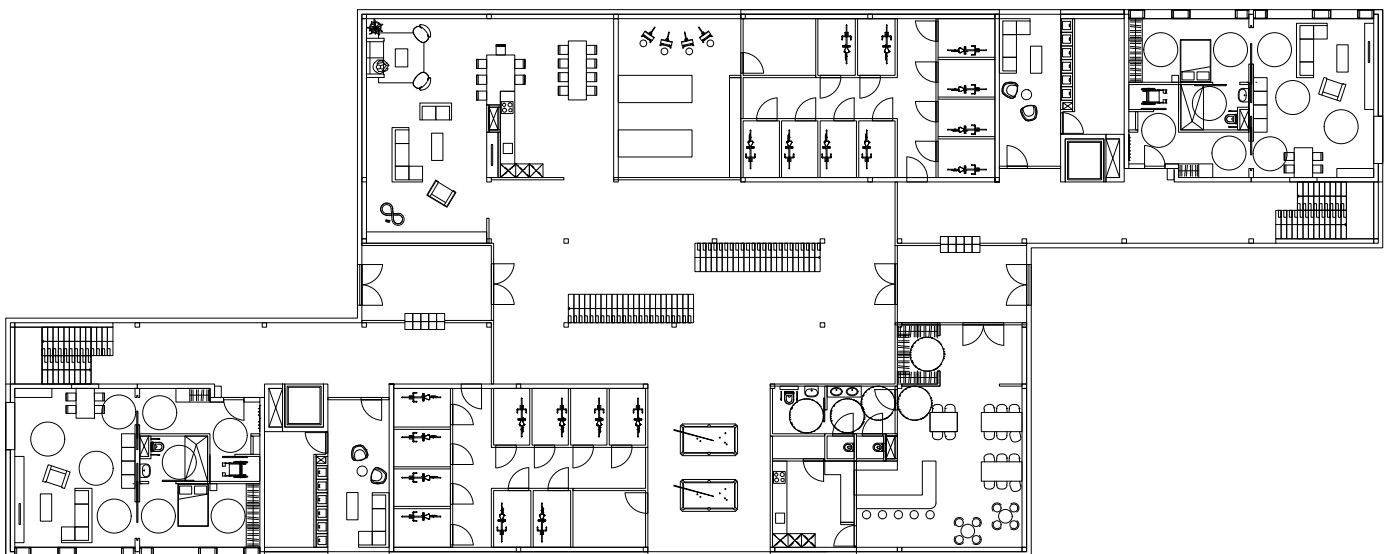
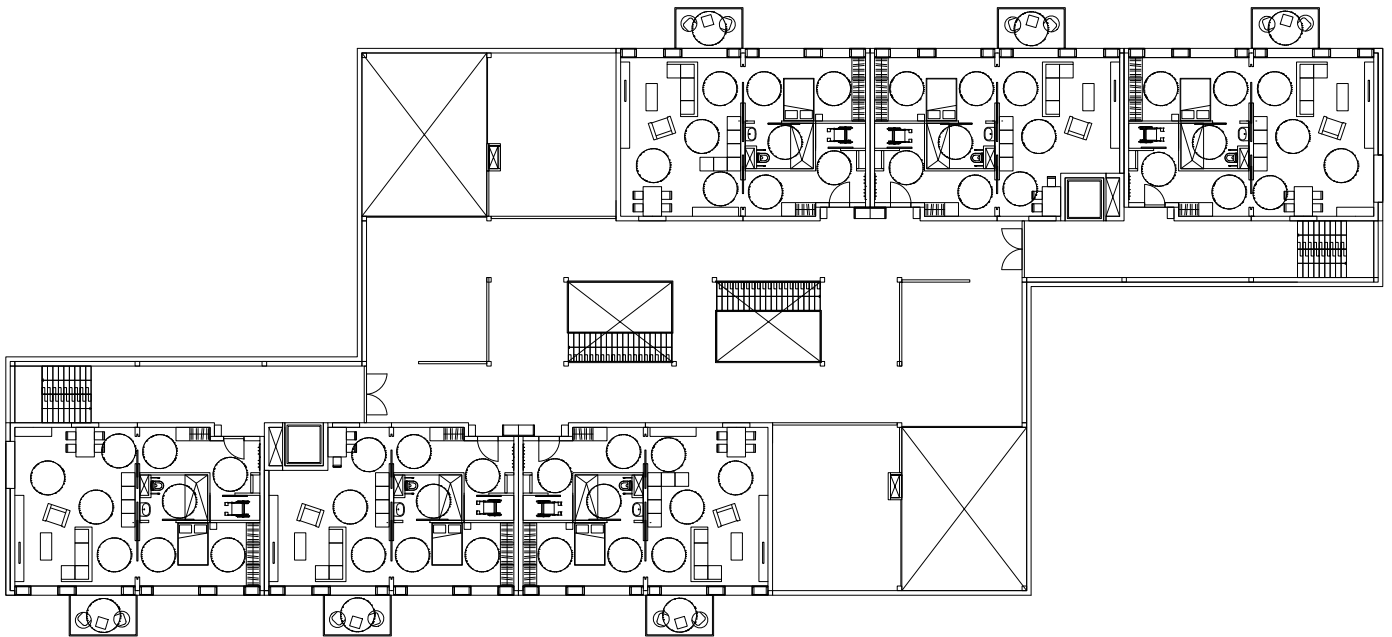


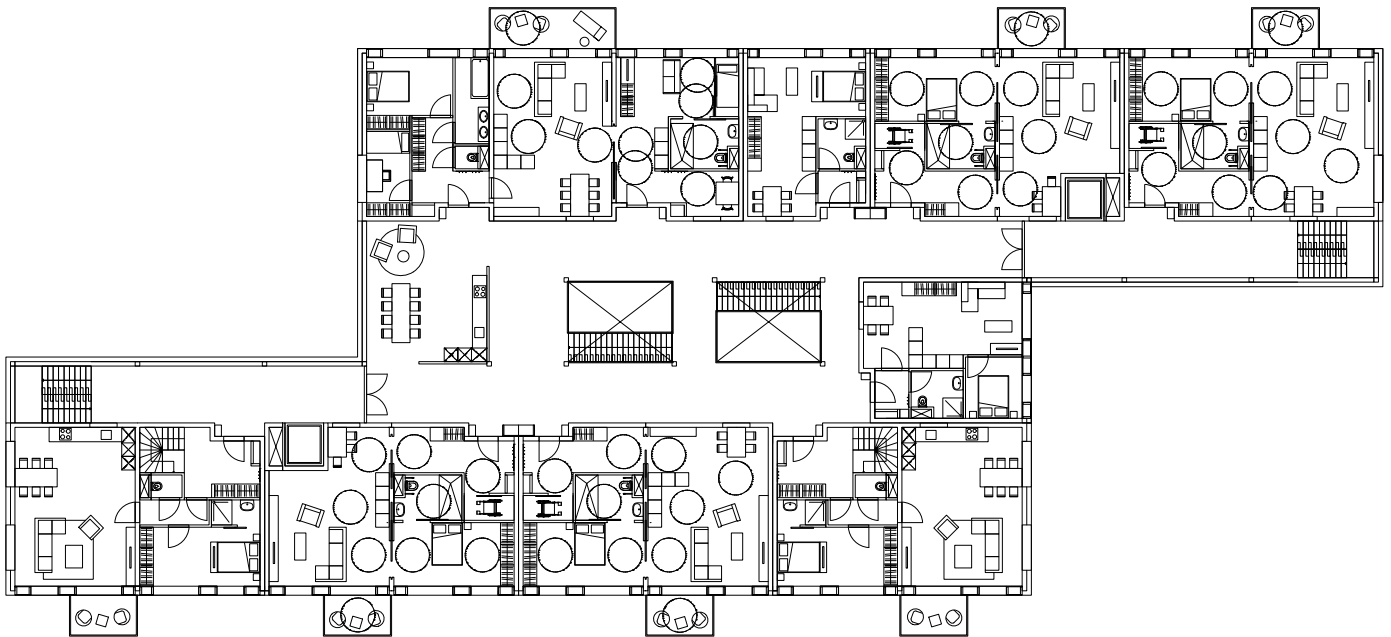
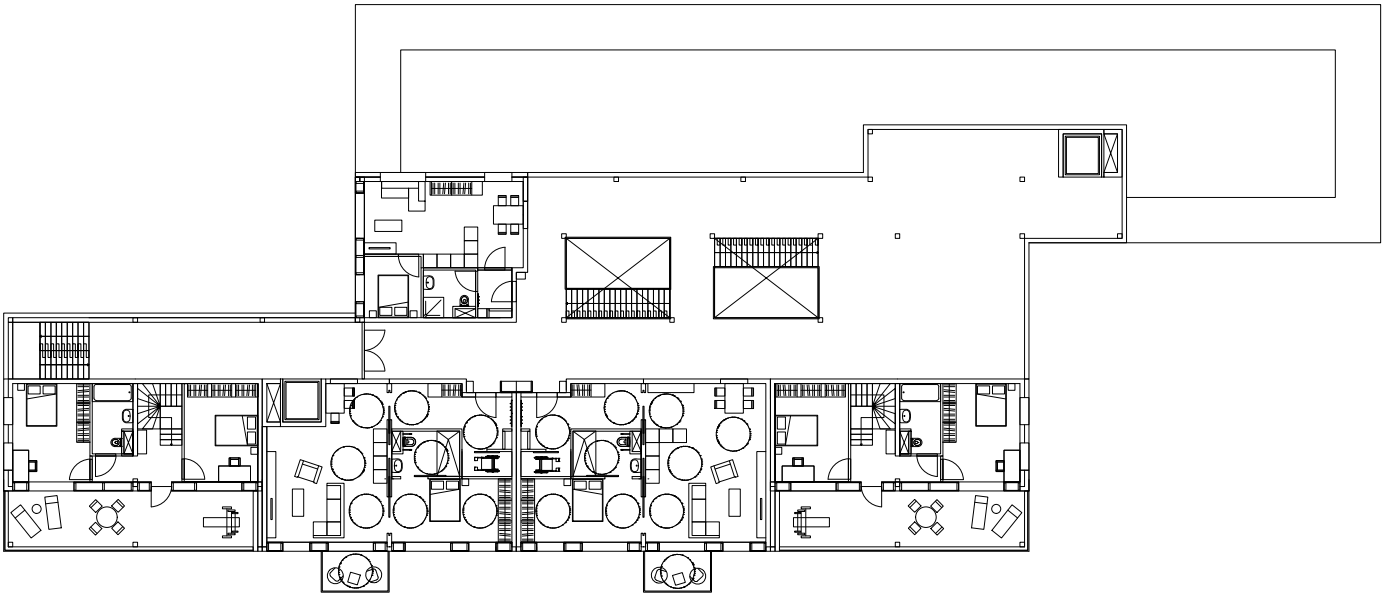




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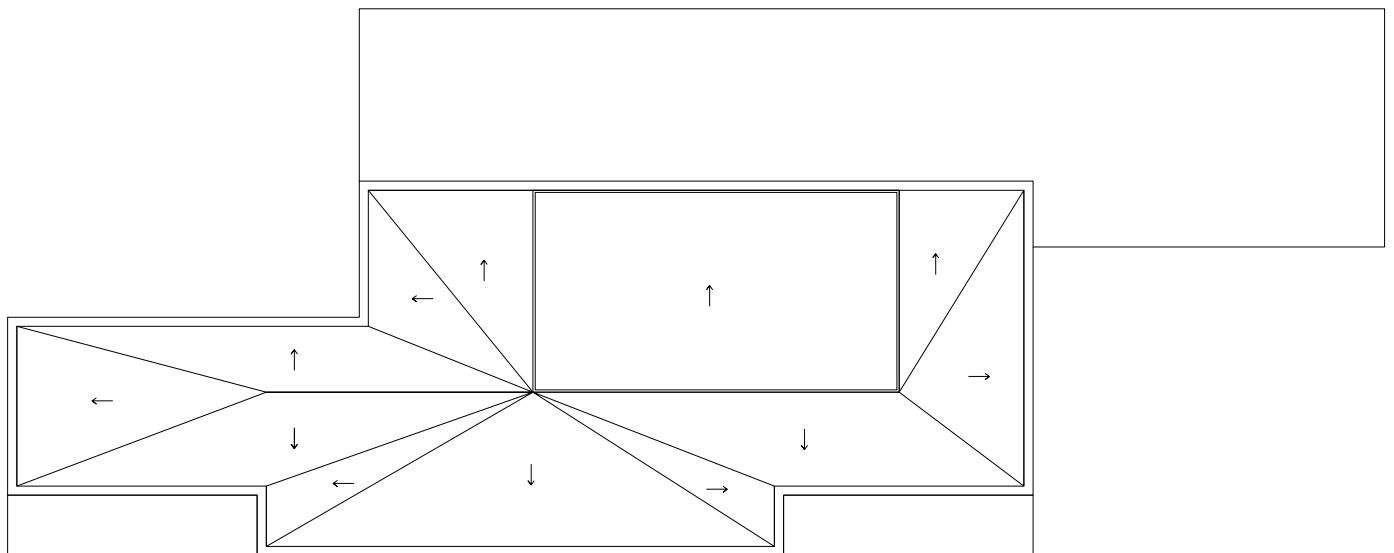
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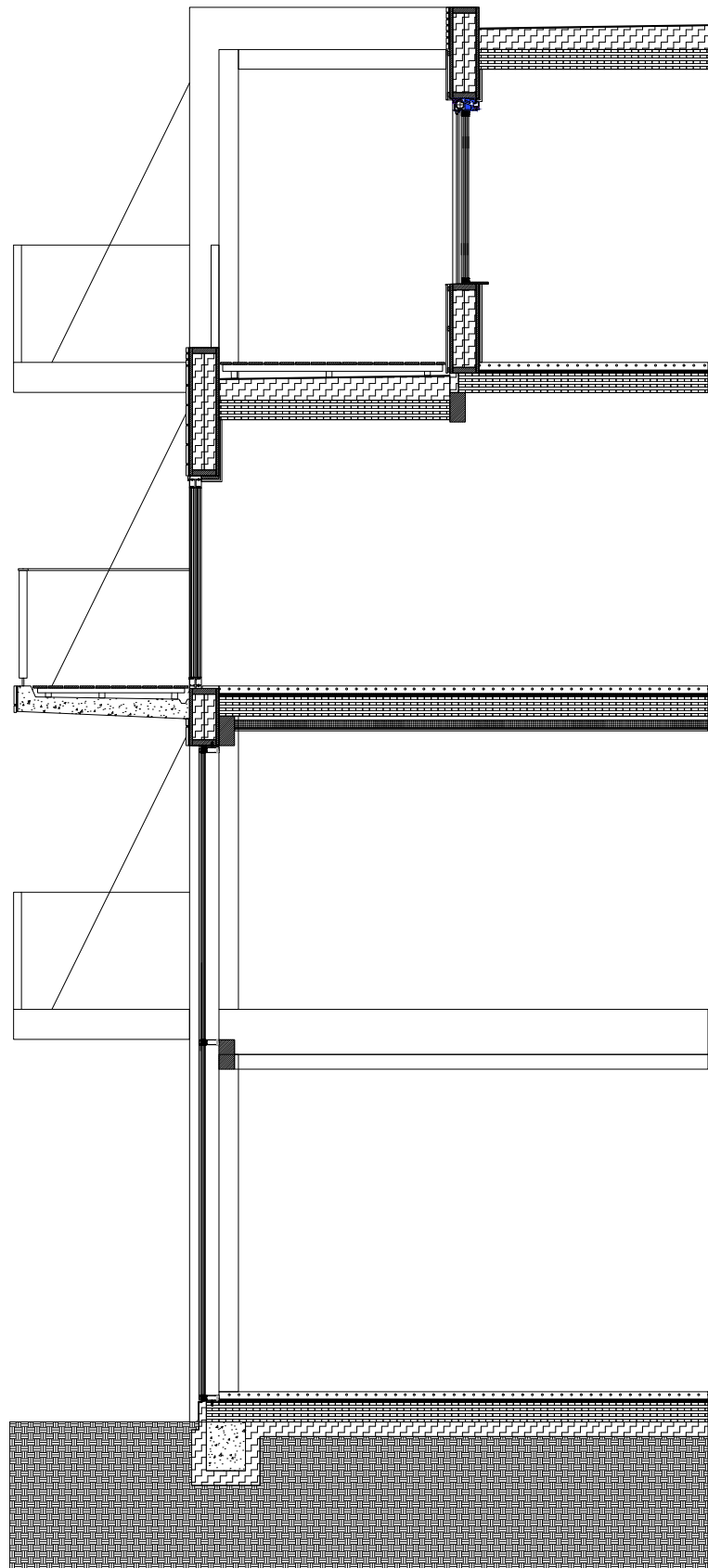


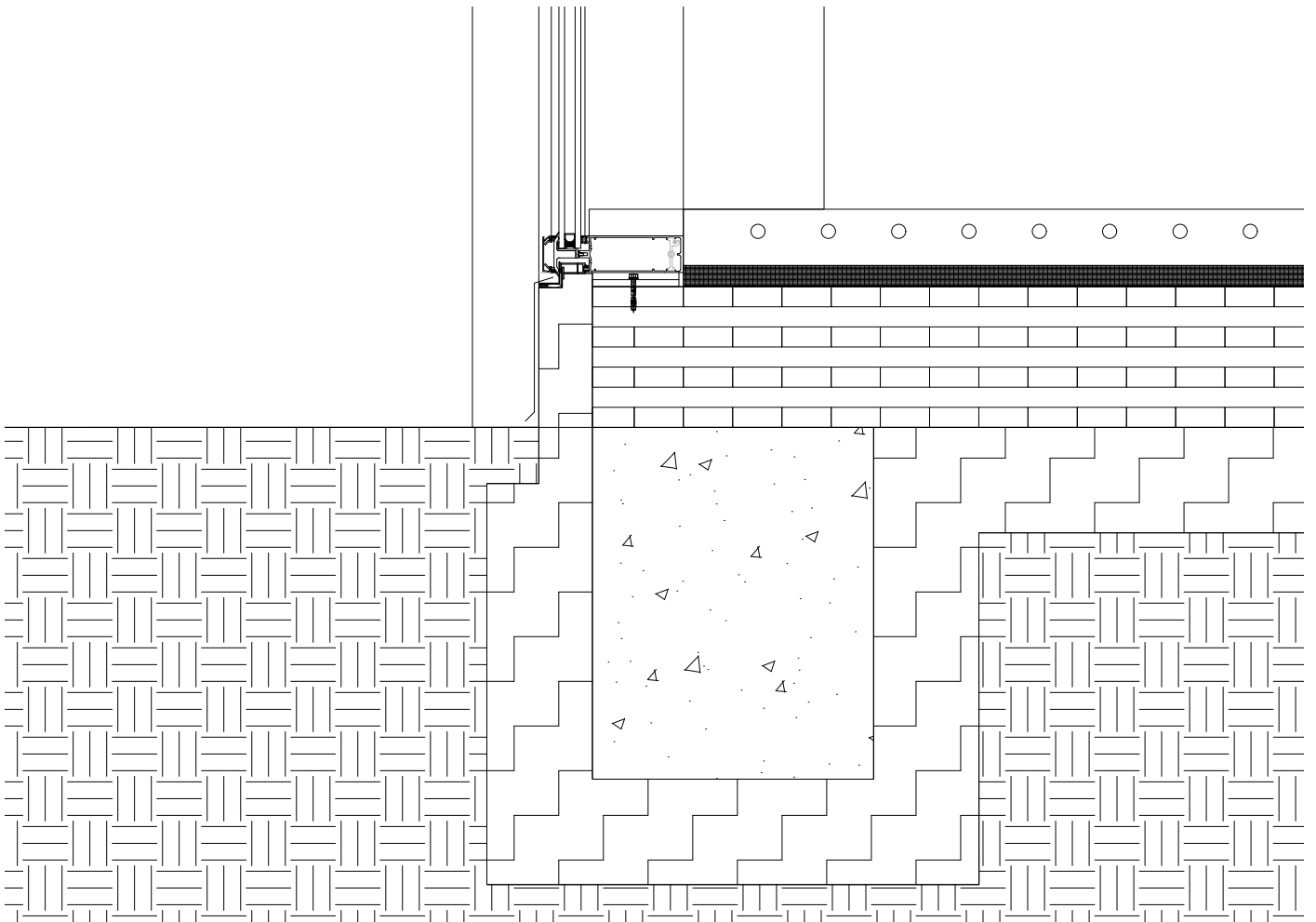
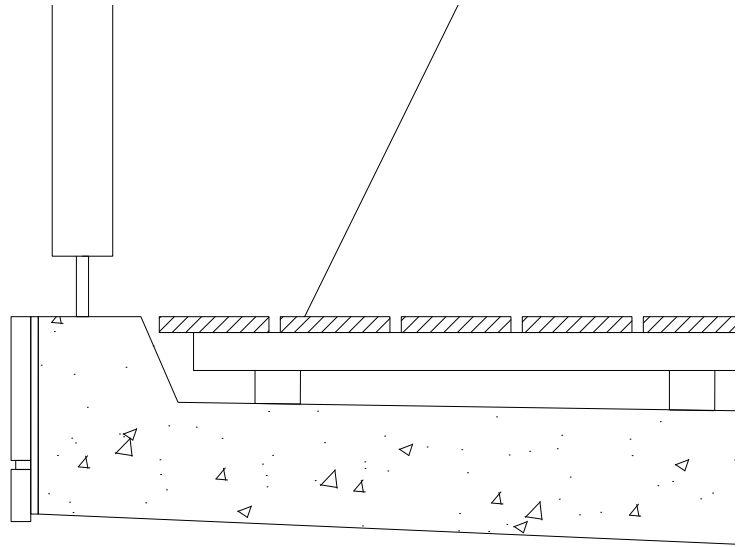


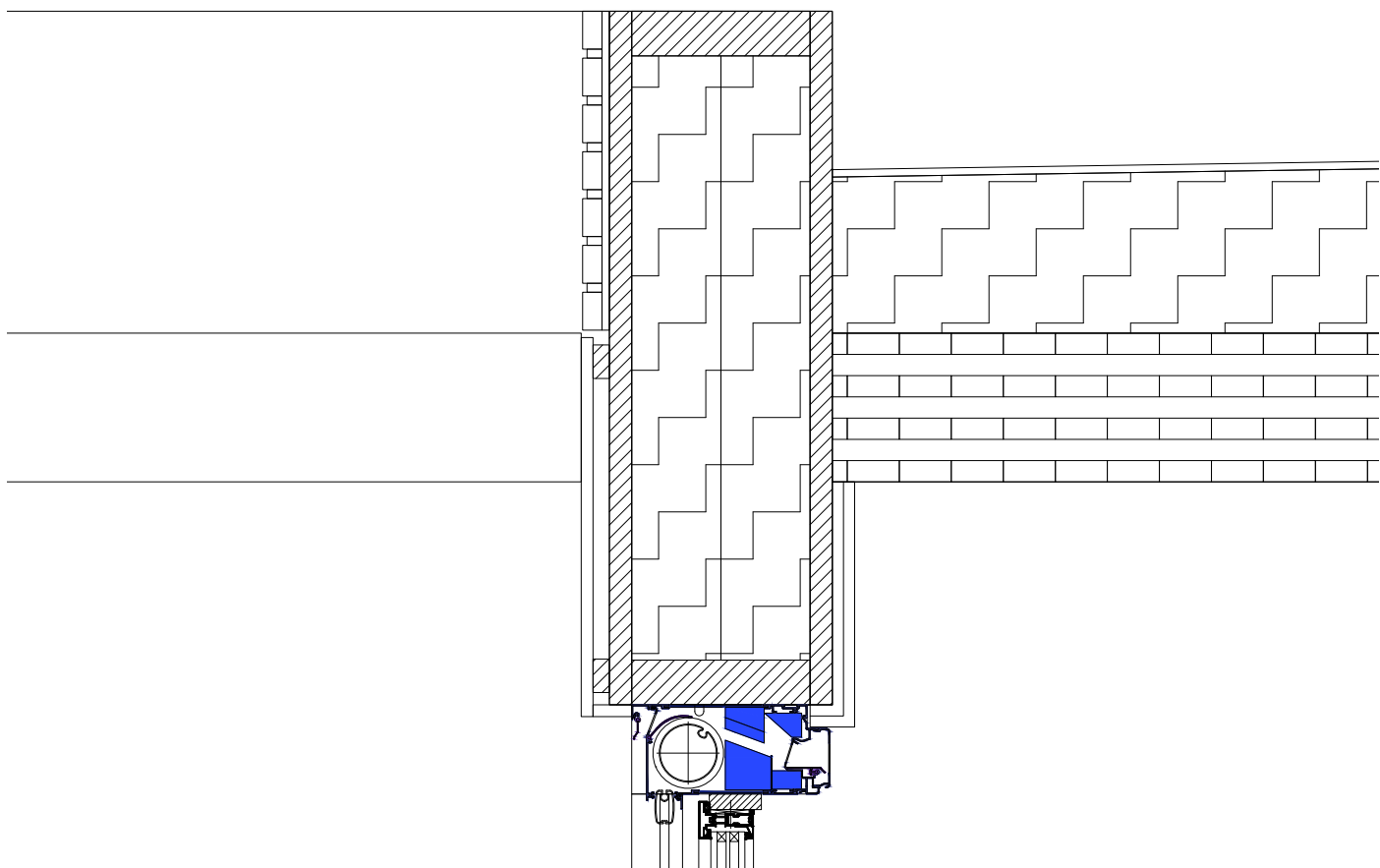
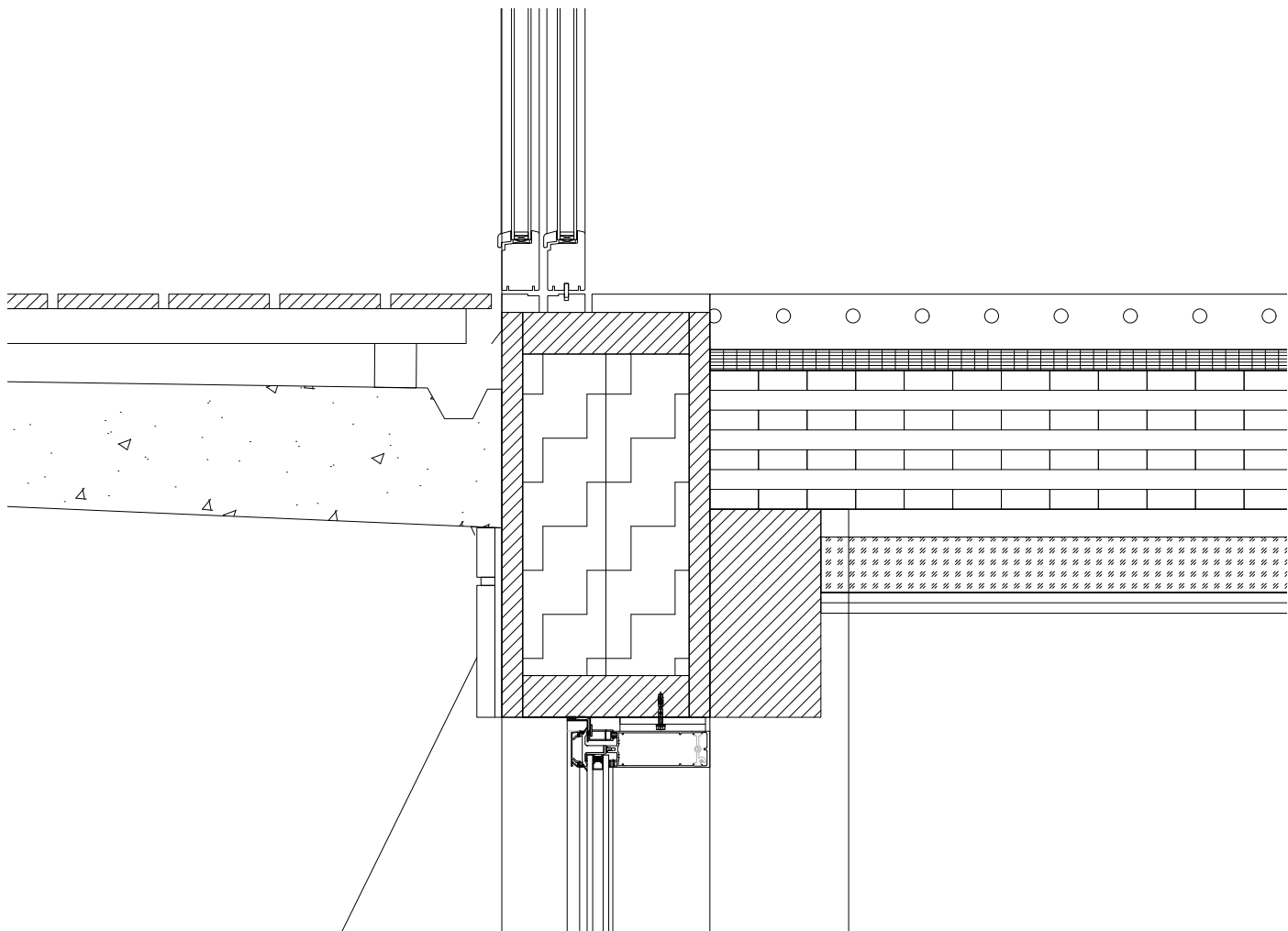
WINTER

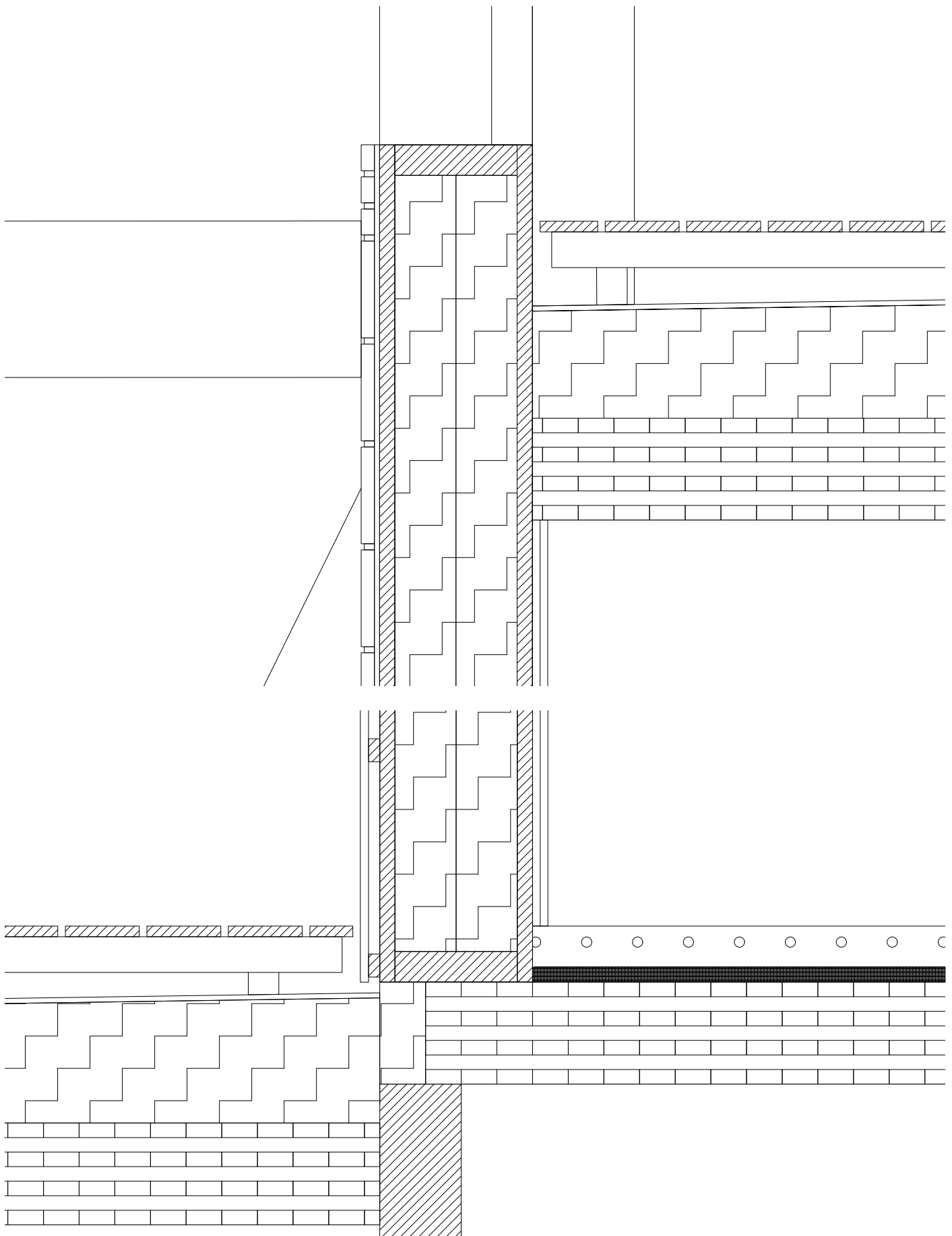
Central climate system per wing

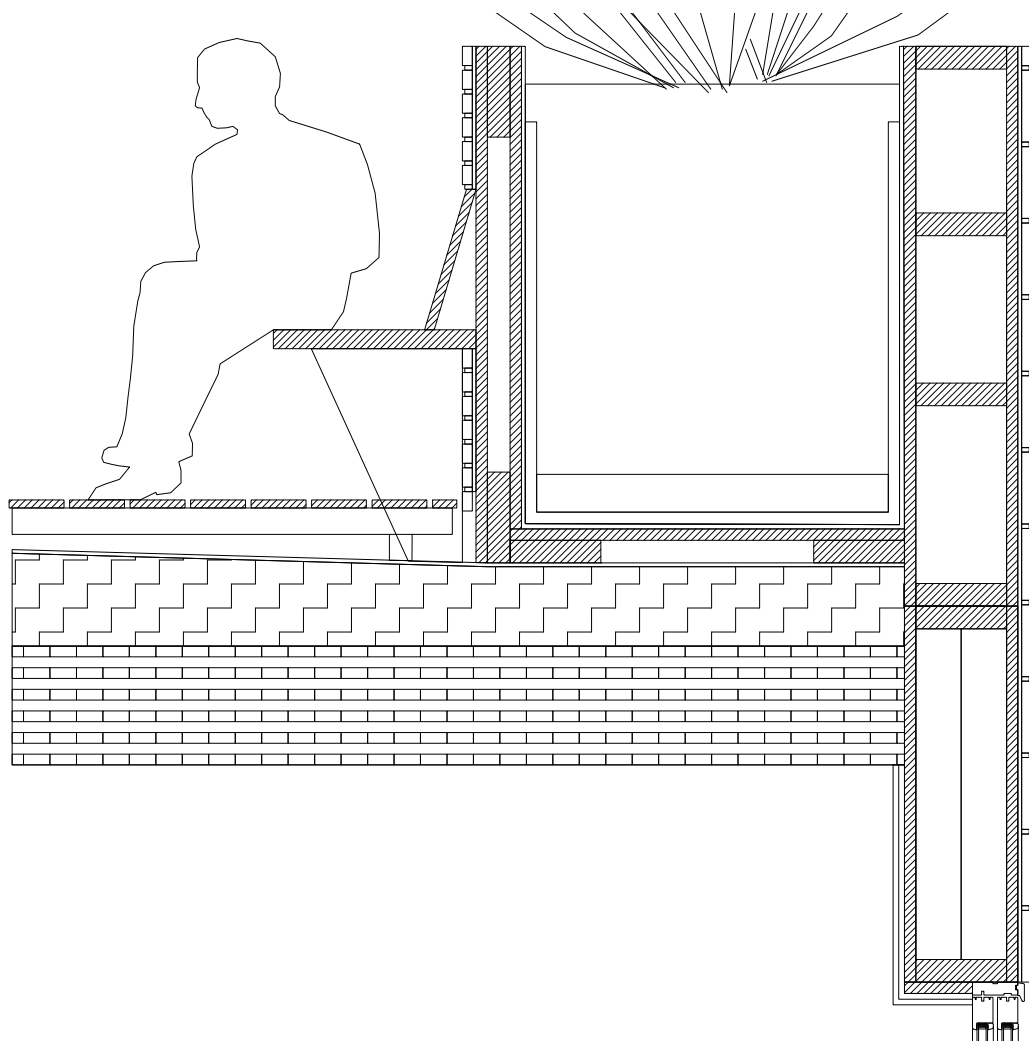








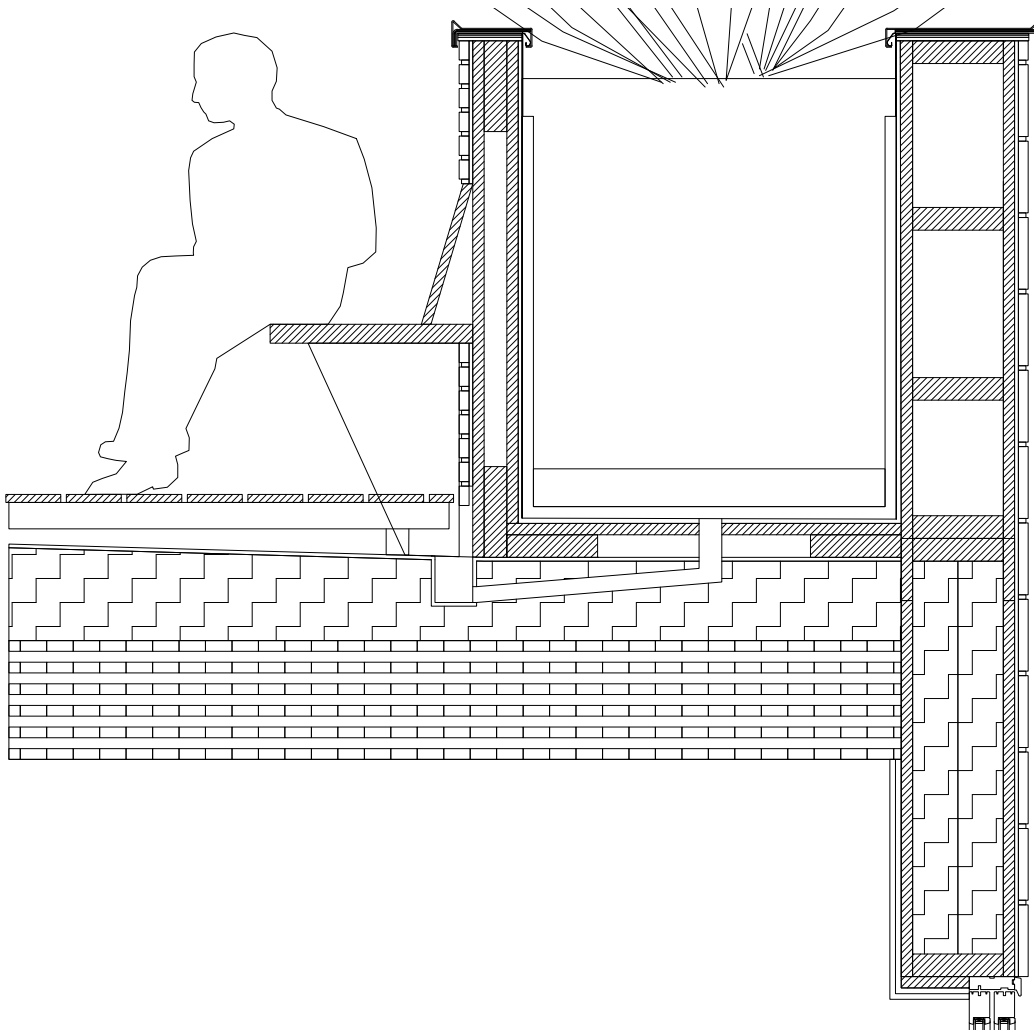
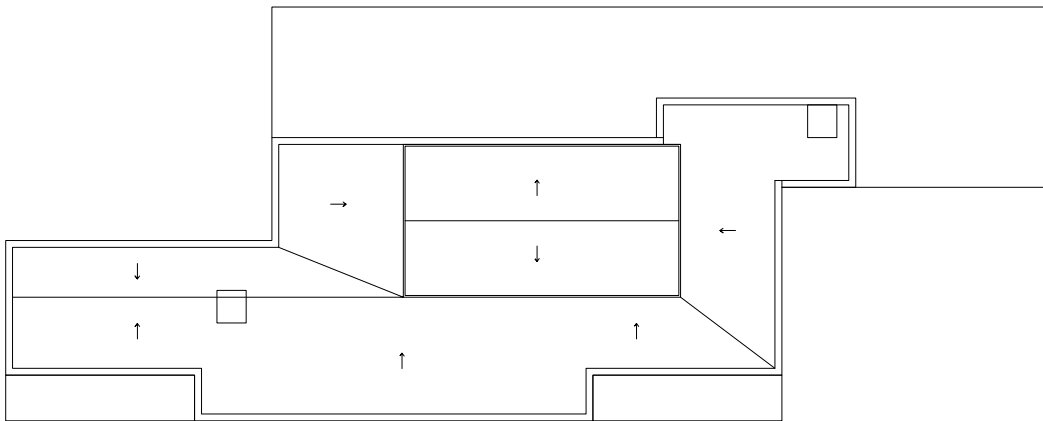


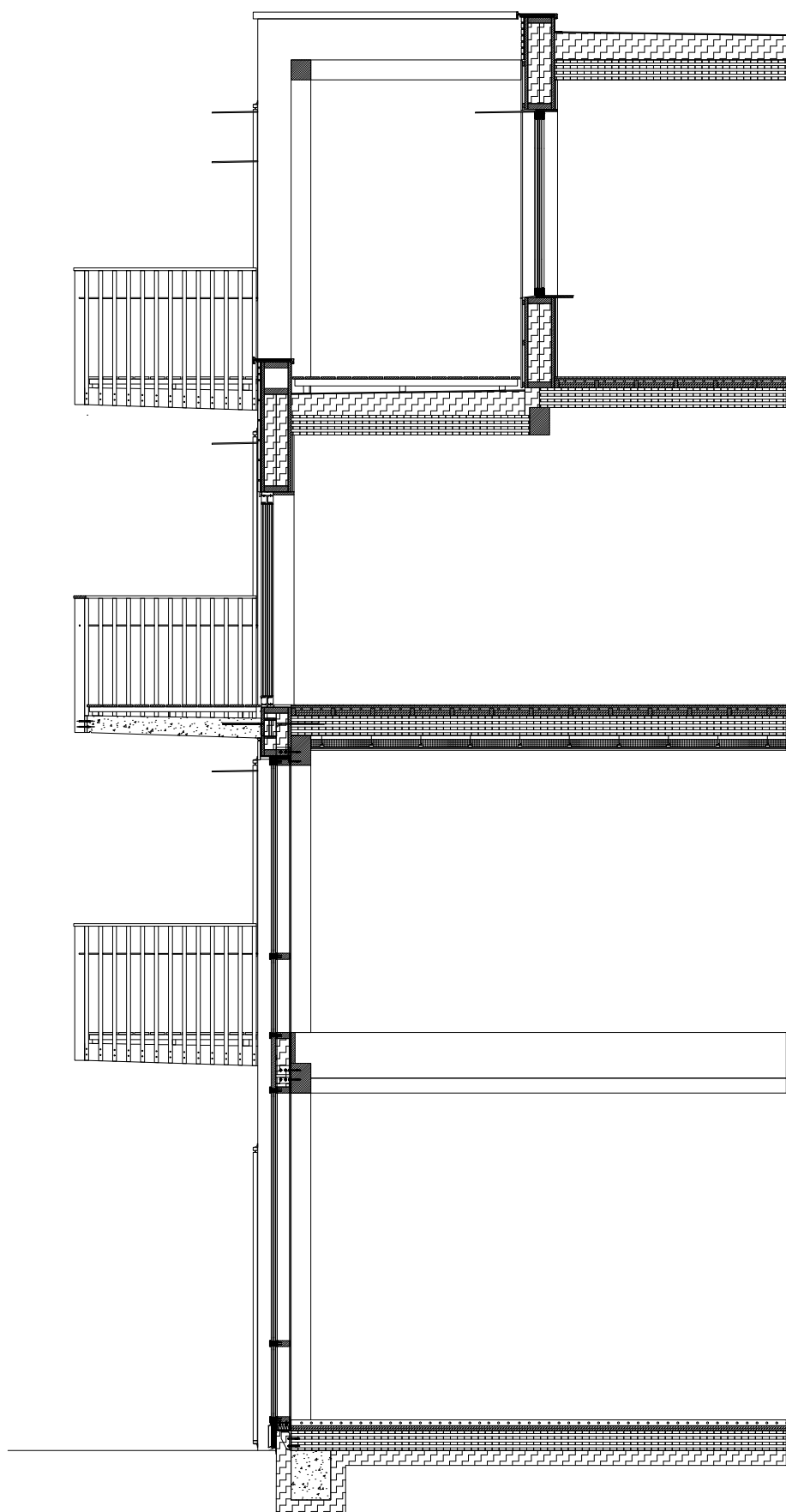


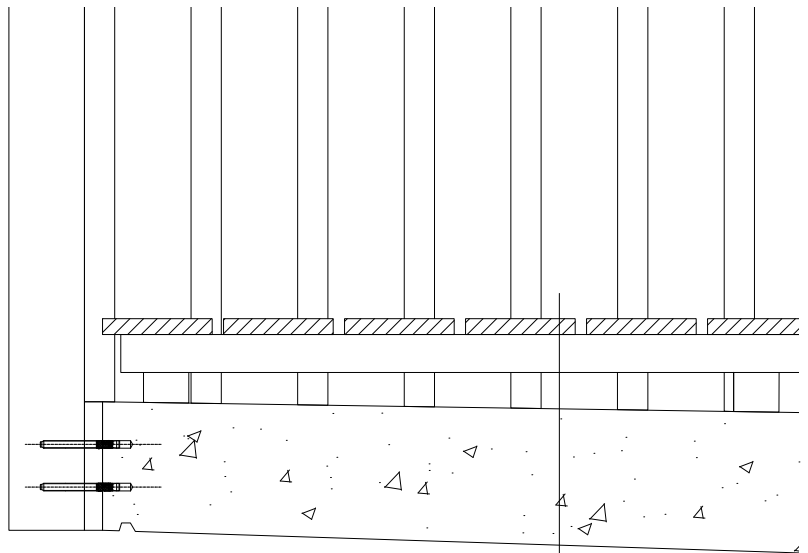


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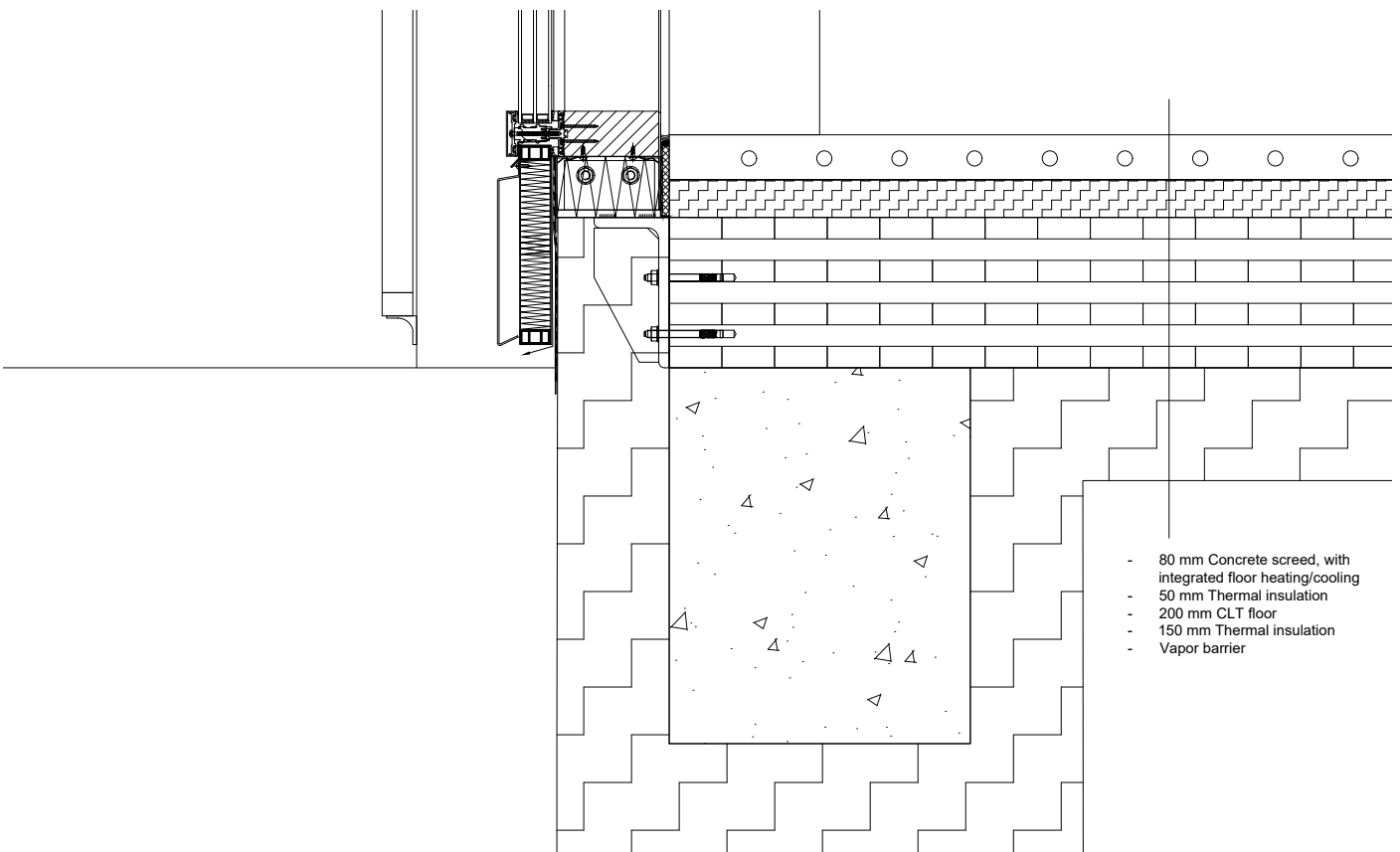
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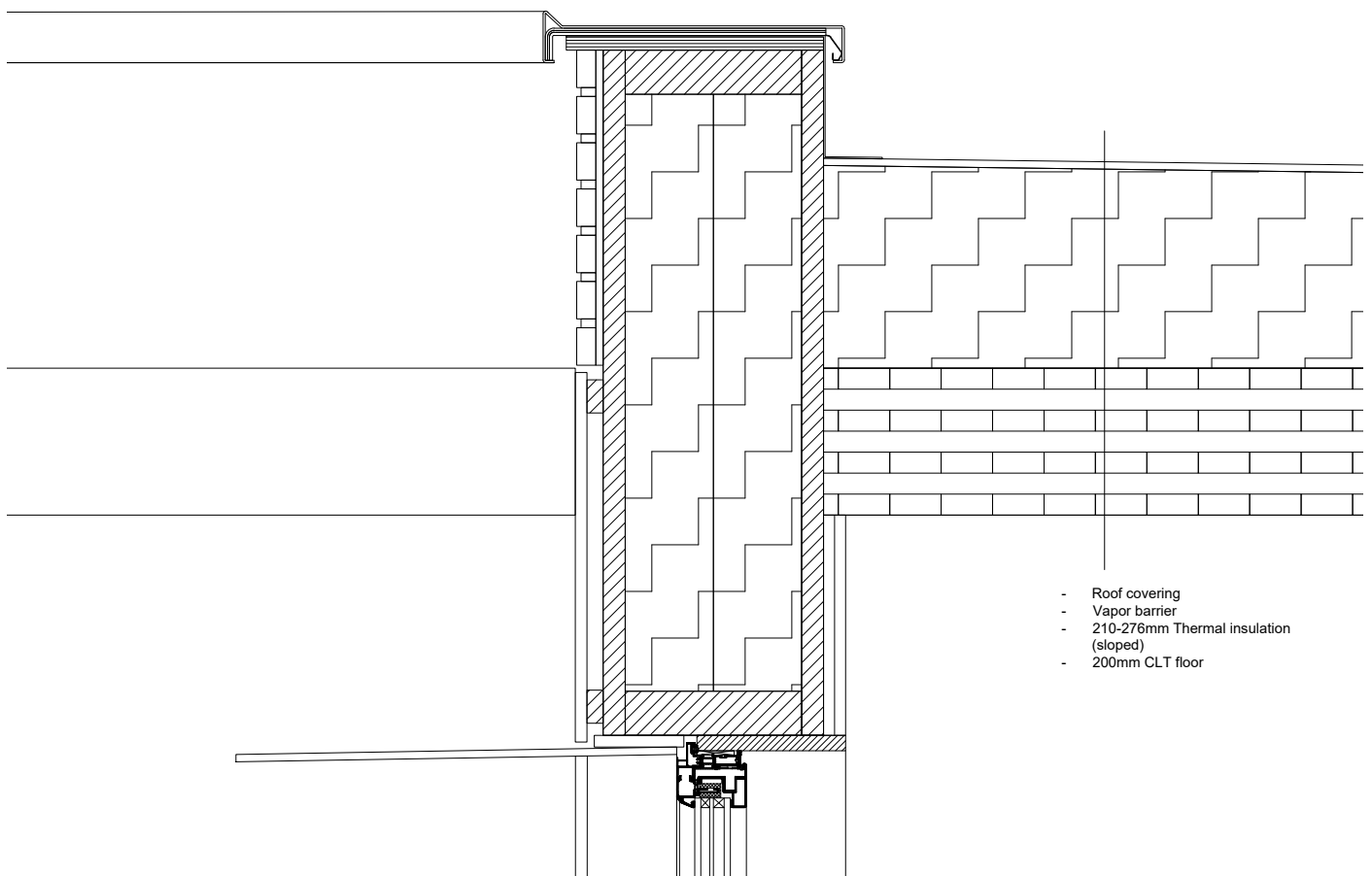
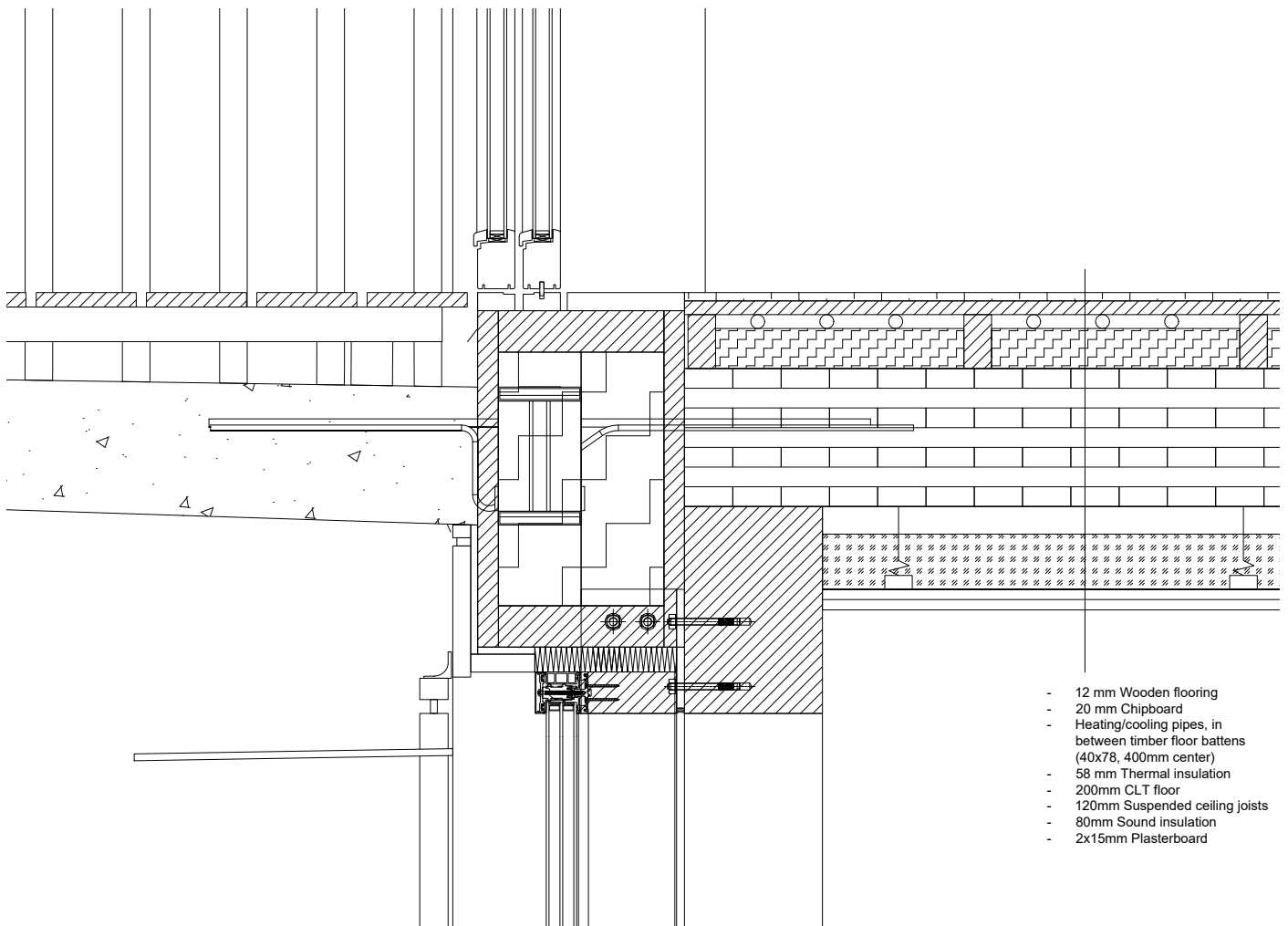


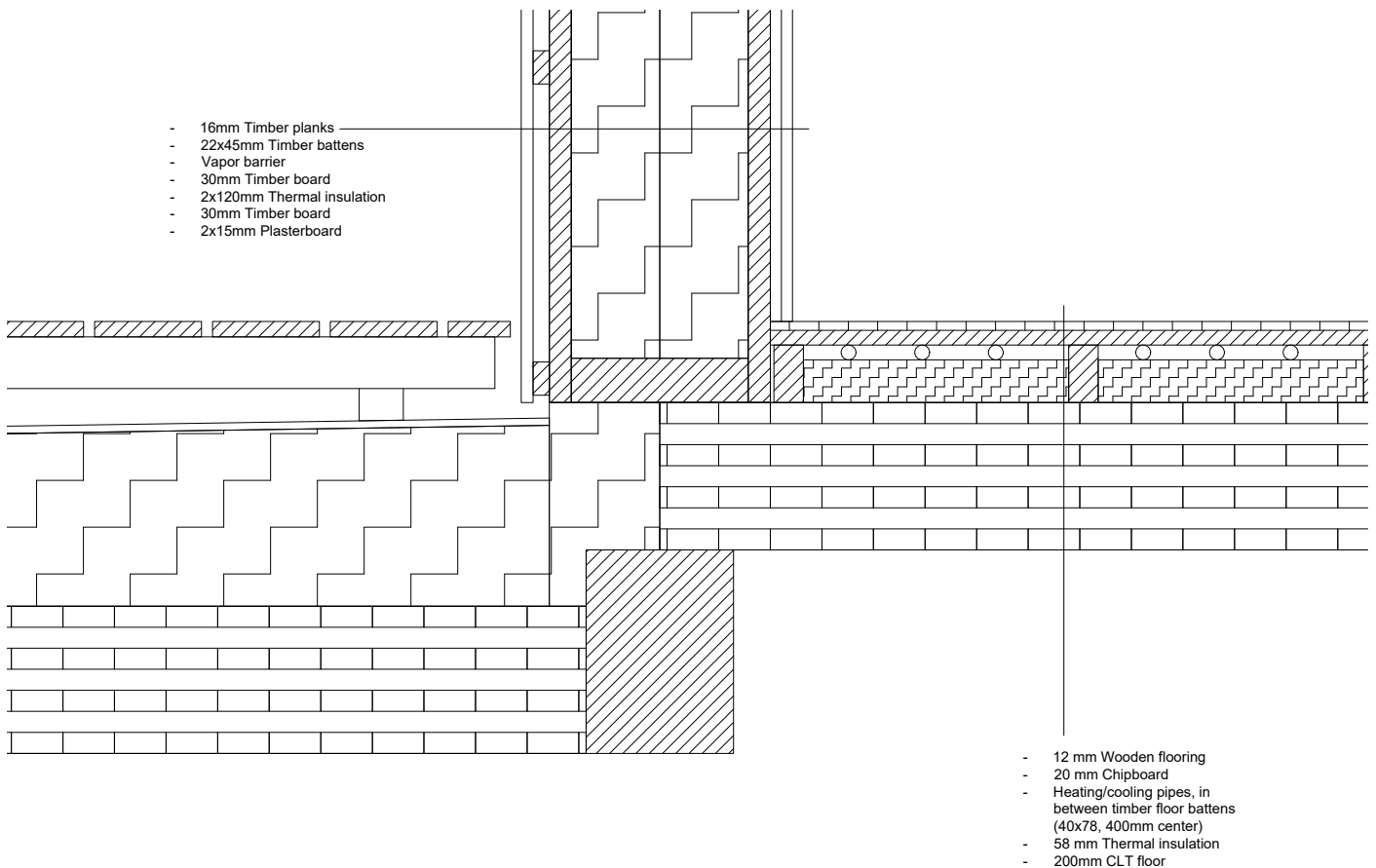
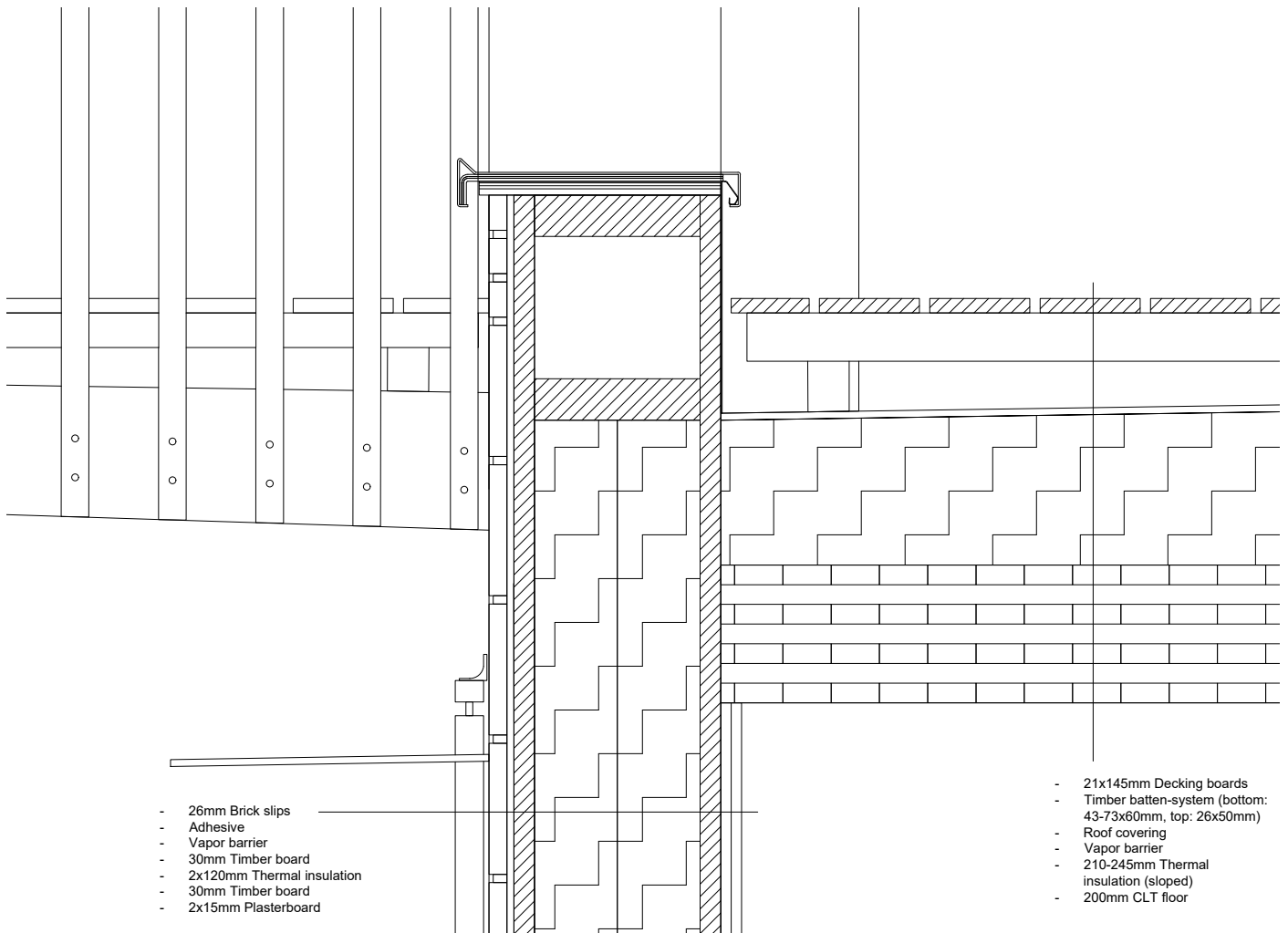


- 21x145mm Decking boards
- Timber batten-system (bottom: 40-64x60mm, top: 26x50mm)
- 170-200mm Concrete balcony slab (sloped)



- 80 mm Concrete screed, with integrated floor heating/cooling
- 50 mm Thermal insulation
- 200 mm CLT floor
- 150 mm Thermal insulation
- Vapor barrier





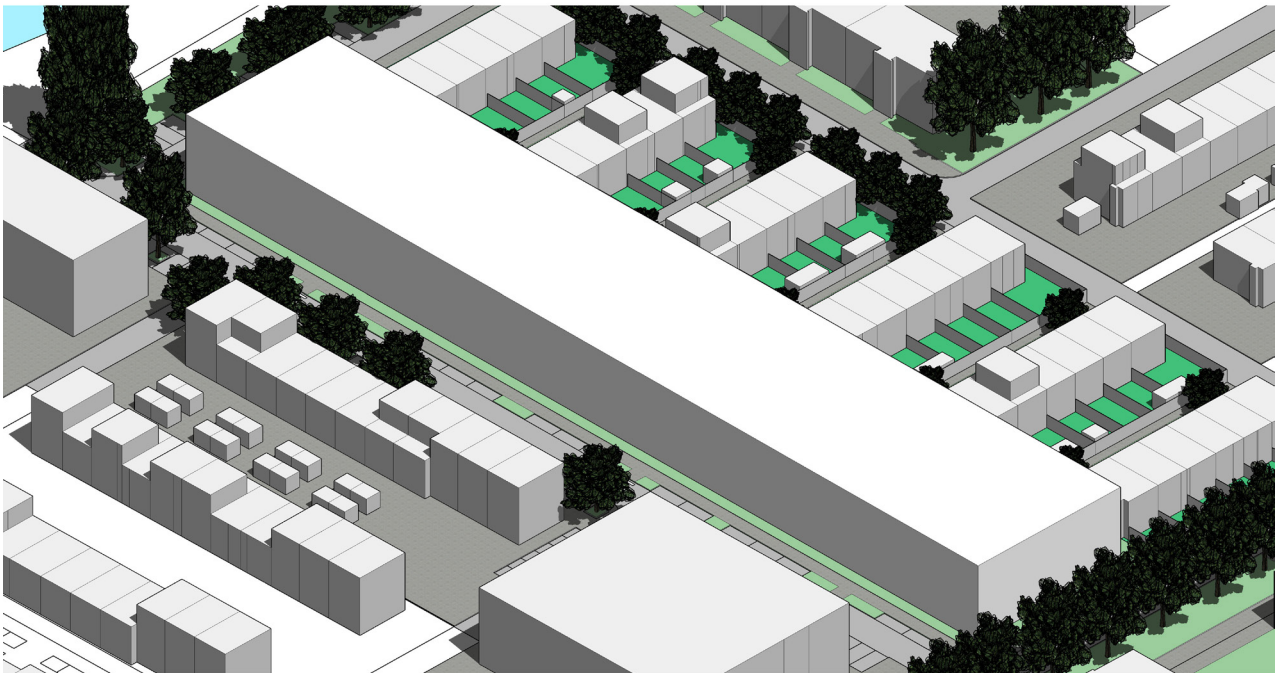


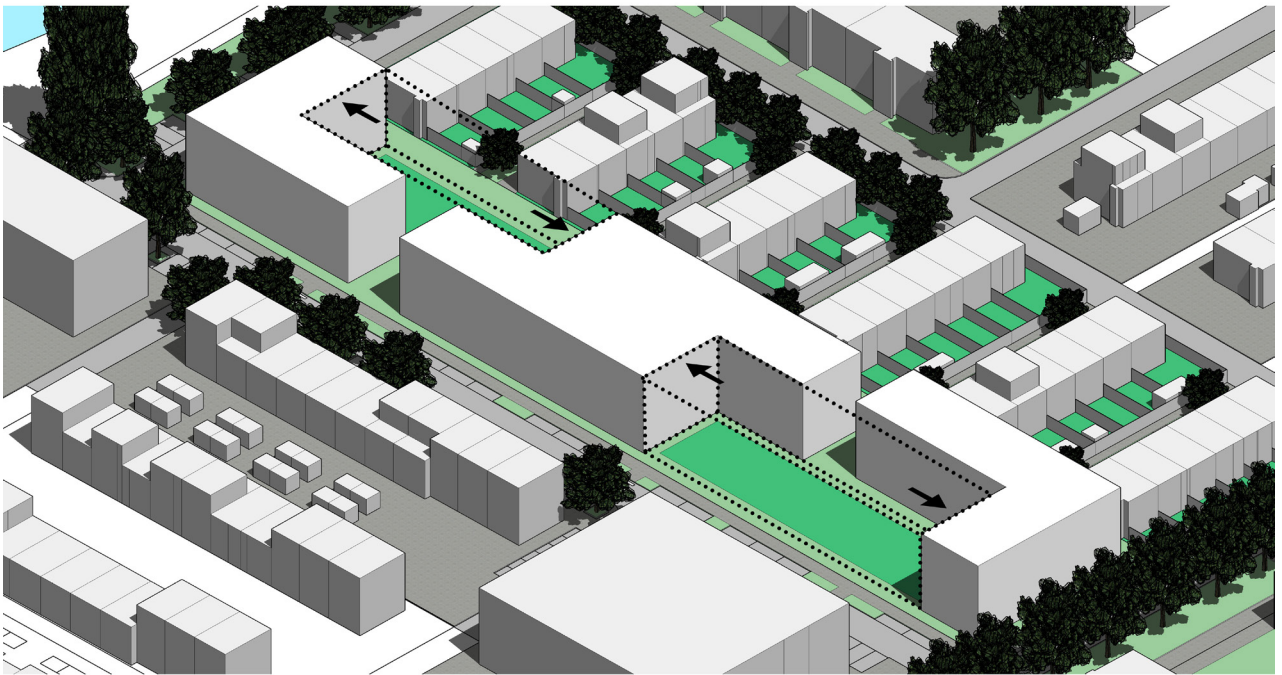
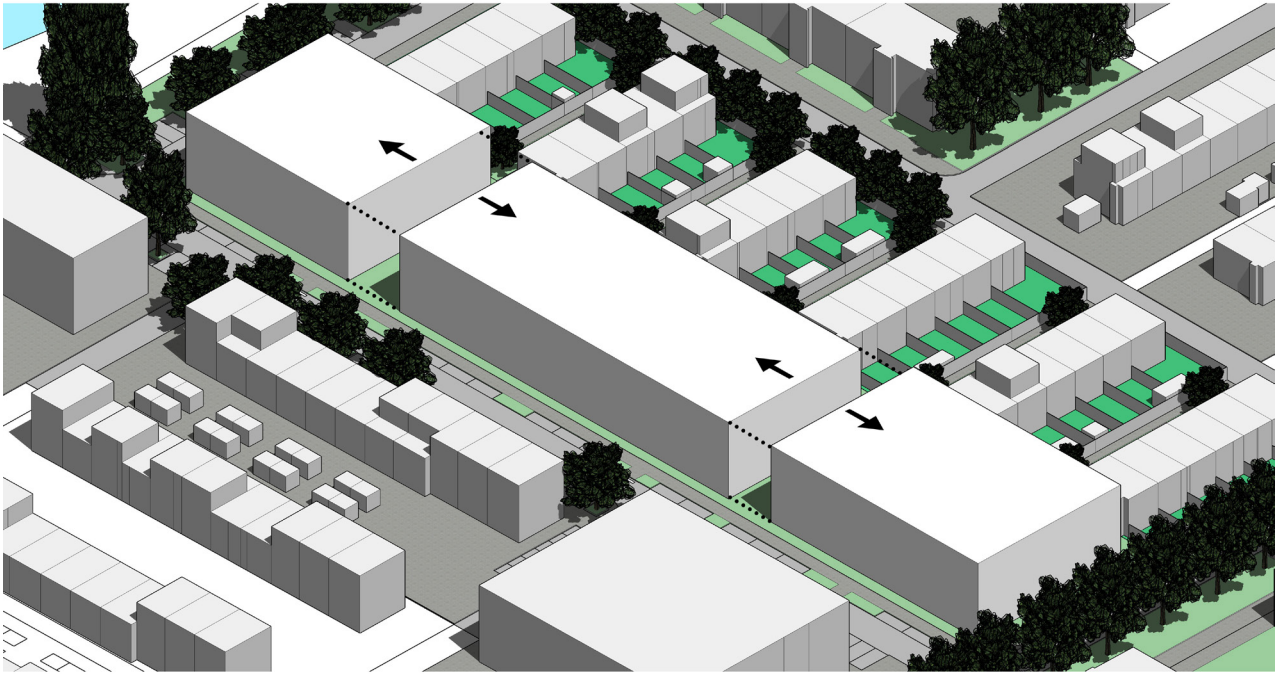


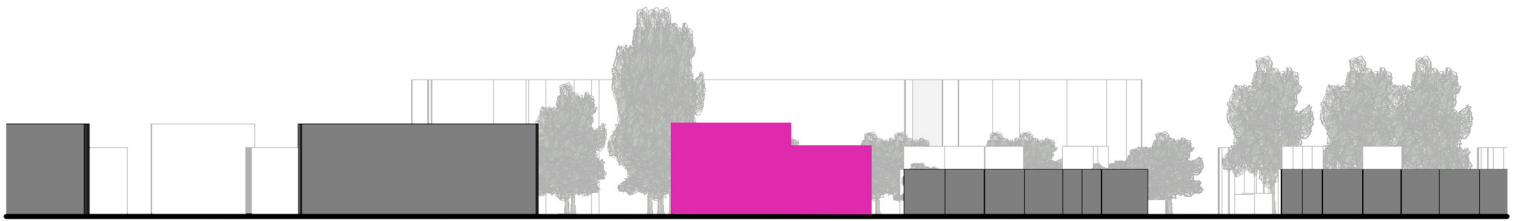
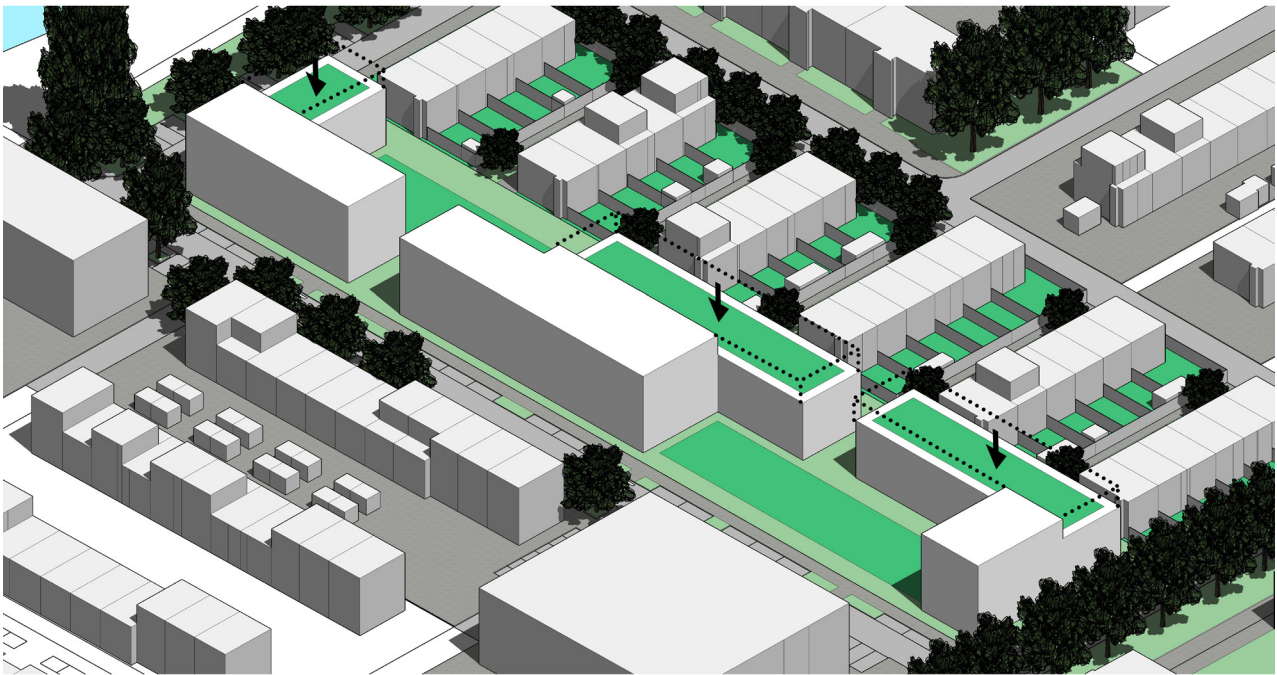
12

Final Products (P4/P5)









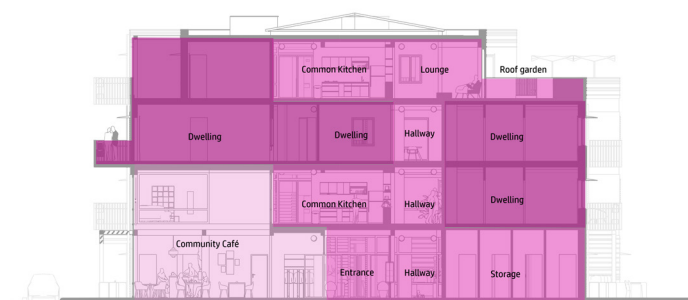
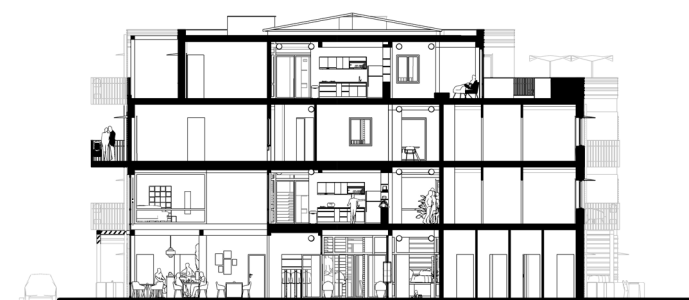
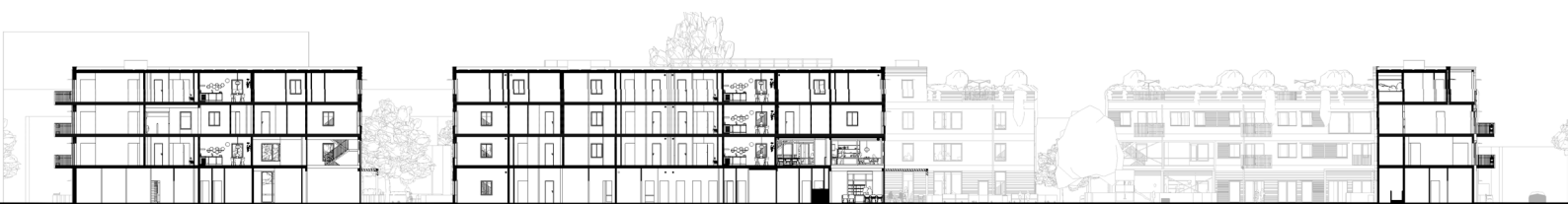












▲ +14520

▲ +14040

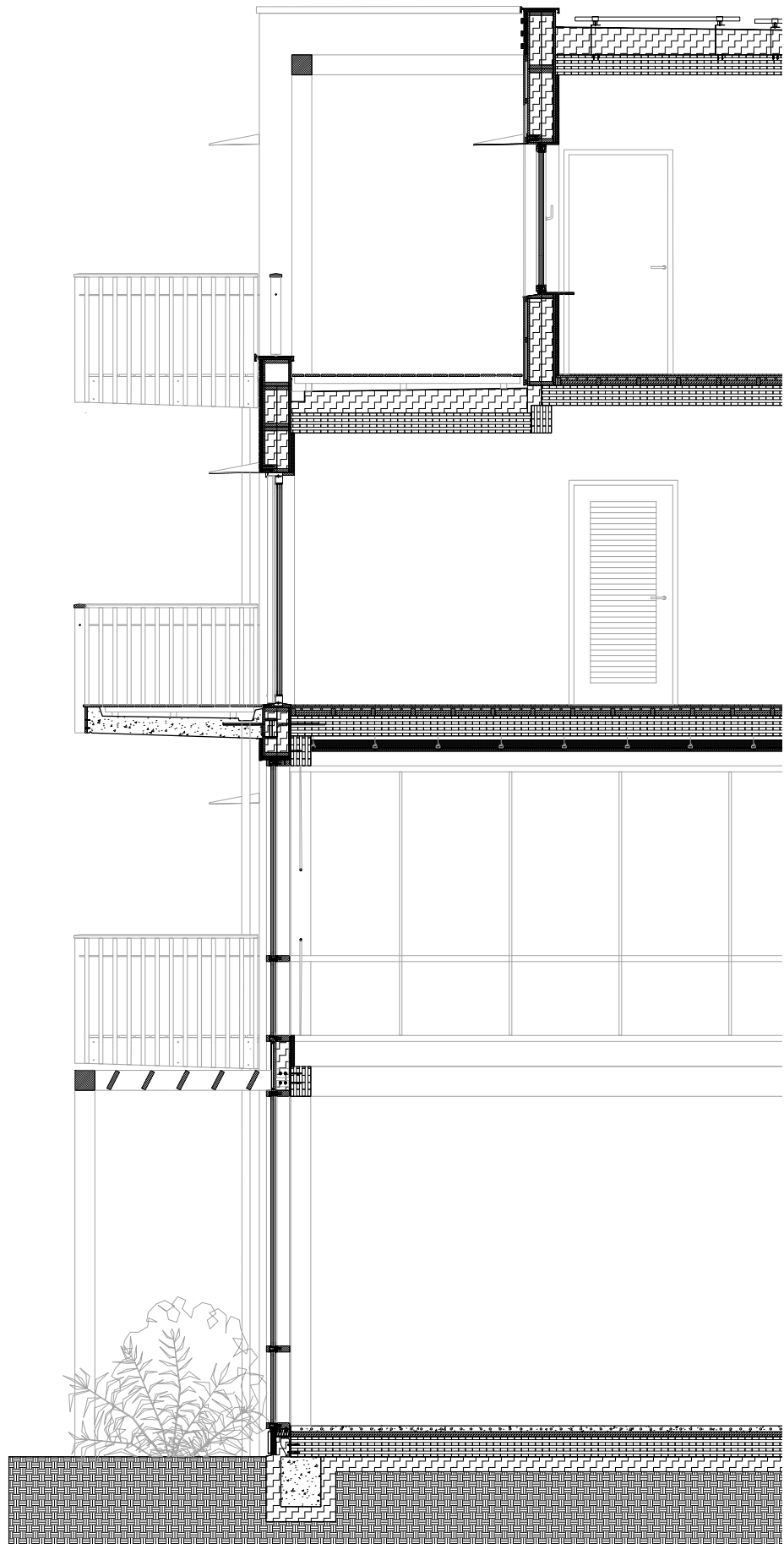
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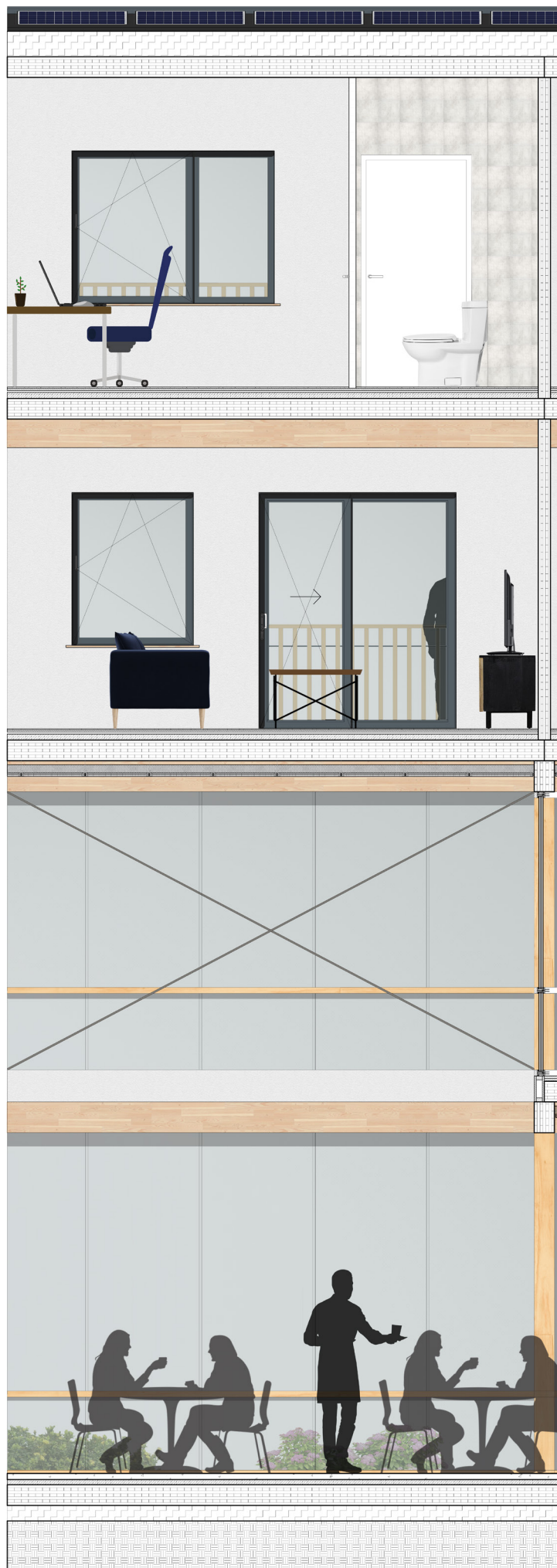
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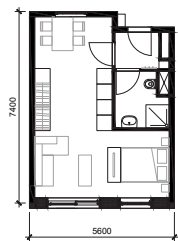
▲ +310

▲ 0

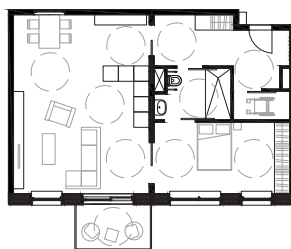




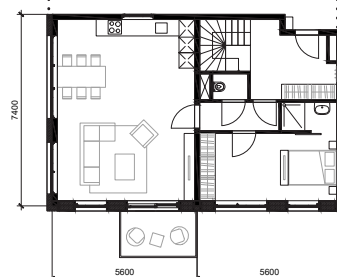
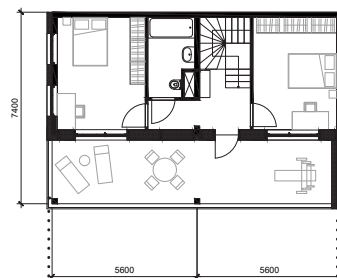




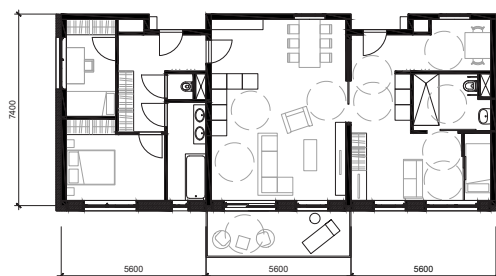
**1. Student
or single**
5 in project



2. Elderly
27 in project



**3. Family
(maisonette)**
4 in project



**4. 'Kangaroo living': Elderly +
family/their children**
1 in project

Dwelling unit types

