





Site

Location Rotterdam



Masterplan

4

Position building plot



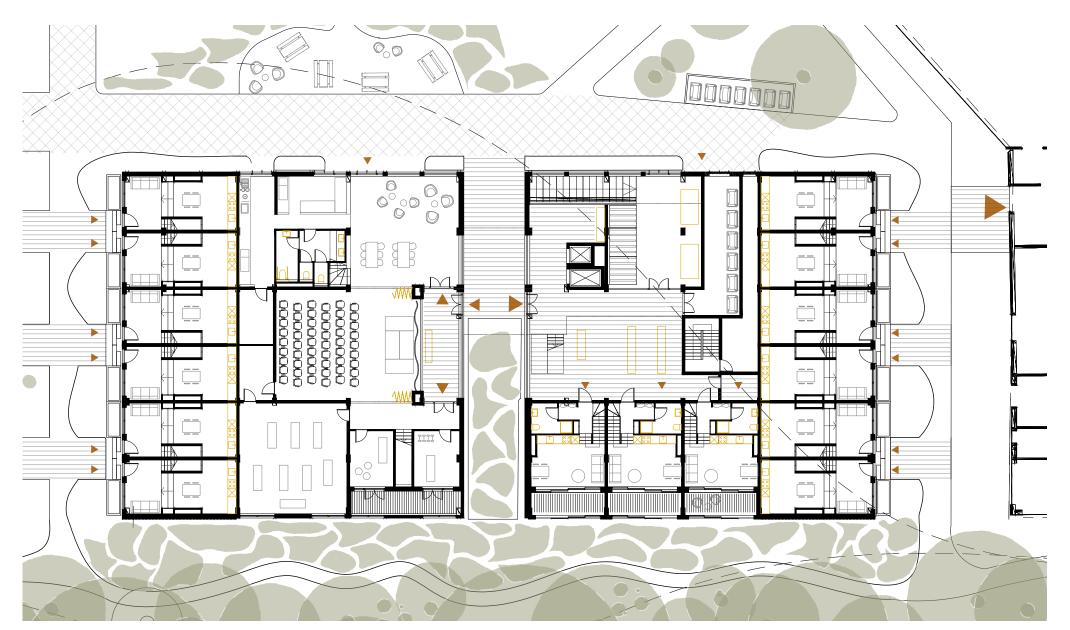


Masterplan

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Context building

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Floor Plan (0)

in context

8

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Elevation

South - by sunset

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 I

 0
 1
 2
 5m



Elevation

West

12

 I
 I
 I

 0
 1
 2
 5m

Advanced Housing Studio - MsC3/4

Togetherness - Design

l 5m

Elevation

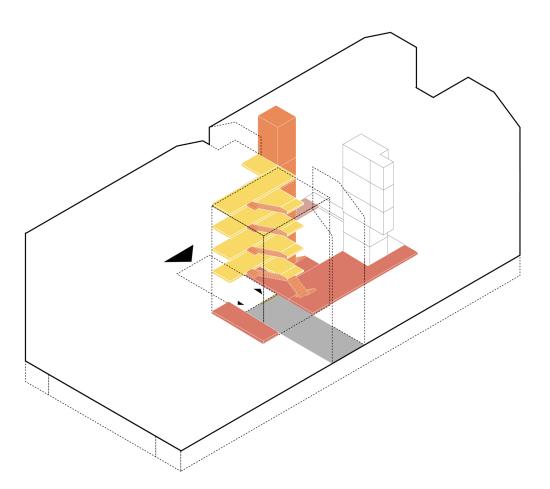
| | | 0 1 2

East



Elevation

North - by day

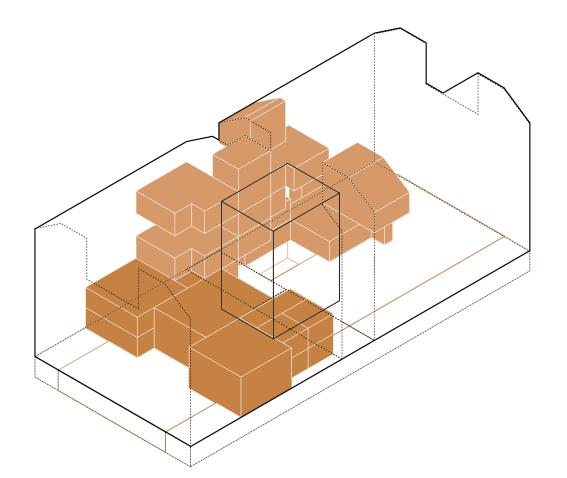


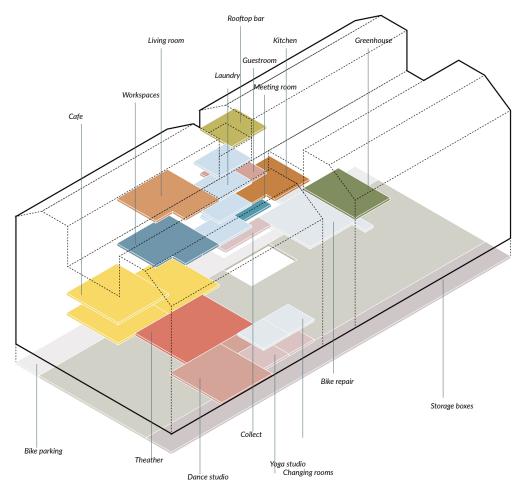


Circulation

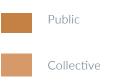
Central core







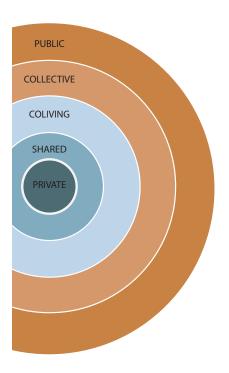




Program

Public and Collective Functions





37%

9%

12%

16%

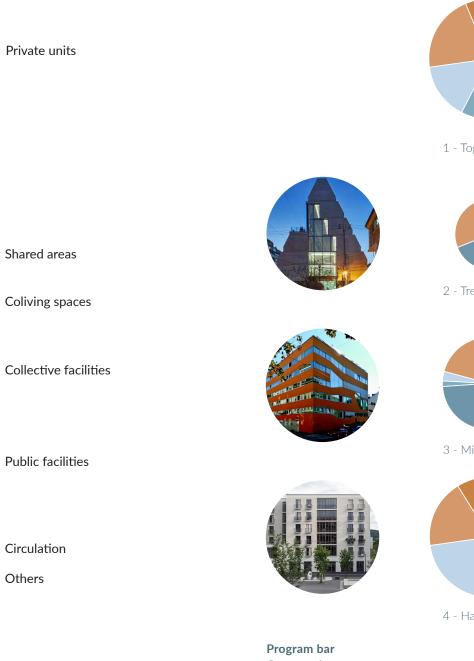
17%

5%

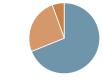
4%

Others

Program bar Total project

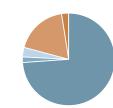


1 - Togetherness





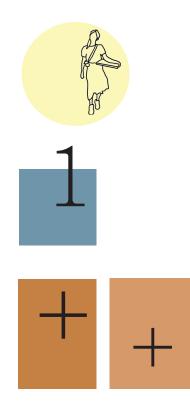
2 - Treehouse



3 - Miss Sargfabrik

4 - Haus A

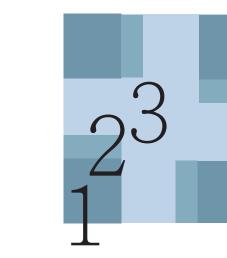
Comparation Case studies

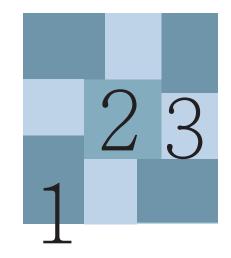












1. Private studio

+ + Extra options to explore

- 1. Family home
- 2. Flexible space
- + Places to play

- 1. Private unit
- 2. Shared amenities
- 3. Co-living space

- Private unit
 Shared collections
- 3. Co-living space

Principle

Sharing needs for each solo-dweller

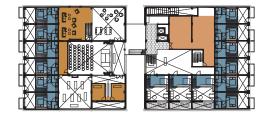


Advanced Housing Studio - MsC3/4

Togetherness - Design



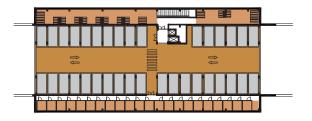
Level 1 - Clusterfloor



Level 0.5



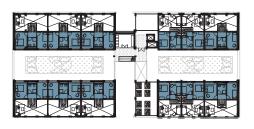
Level 0 - Ground floor



Program bar

Per Floor

Level -1



Level 4.5



Level 4 - Street floor

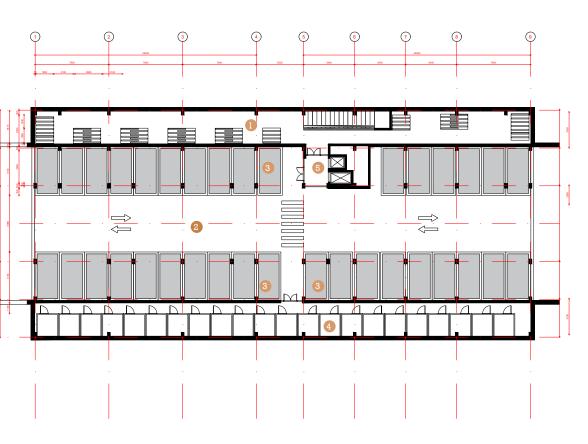


Level 3

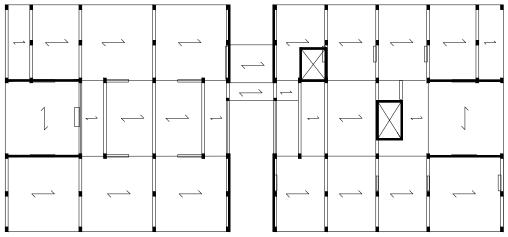


Level 2

25



23400							24000			
7800 7800		7800		5000	5400	5400	5400	7800		
2600	5000	2600	\$200	5300	2600					
						•				



Floor Plan (-1)

5m

① ||| 012

26

Bicycle parking
 Public parking cars
 Shared cars (3x)
 Storages boxes (5m2)
 Circulation Space

Construction

Typical floor level

Advanced Housing Studio - MsC3/4

Togetherness - Design





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Sharing:

Private:

G Garden type F Forest type





	lective:	
л	iecuve.	

- 1 Laundry room
- 2 Workspaces
- 3 Meeting room

Coliving:

- 4 Kitchen
- 5 Living room
- 6 Play room
- 7 Wintergarden

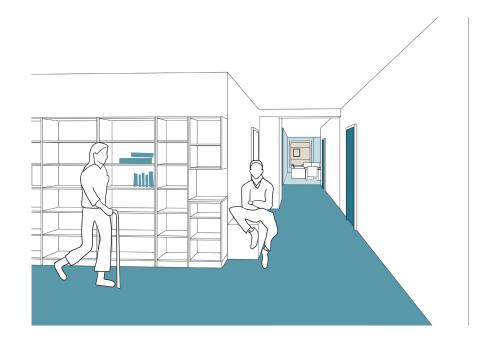
Sharing:

8 Kitchenette + Bathroom
9 Small room + Bathroom
10 Kitchenette
11 Library
12 Games

Private:

Unit A: Square Unit B: L-shape Unit C: Bathroom Unit D: Open space Unit E: Separation





3 - Coliving kitchen - Cluster A

4 - Shared facilities in hallway - Cluster B





Floor Plan (2)	Collective:	Coliving:	Floor Plan (3)	Sharing:	Private:
 ● ●	 Laundry room Living room Guest room 	4 Kitchen5 Living room6 Play room7 Wintergarden	 ● ●	8 Kitchenette + Bathroom 9 Small room + Bathroom 10 Kitchenette 11 Library 12 Games	Unit A: Square Unit B: L-shape Unit C: Bathroom Unit D: Open space Unit E: Separation
34		Advanced Housing Studio - MsC3/4	Togetherness - Design		





Collective:

- 1 Laundry room
- 2 Living room
- 3 Garden plots
- 4 Street + vegetation

Coliving:

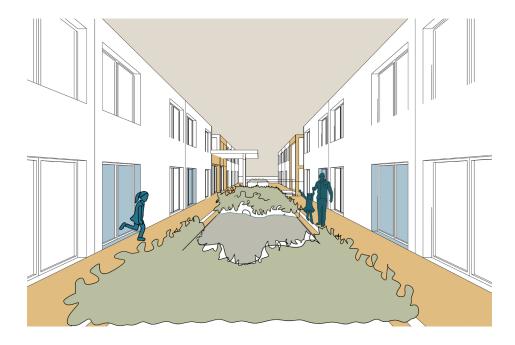
Sharing:

8 Streetrooms

Private:

Top Small Top Medium





Floor Plan (5)

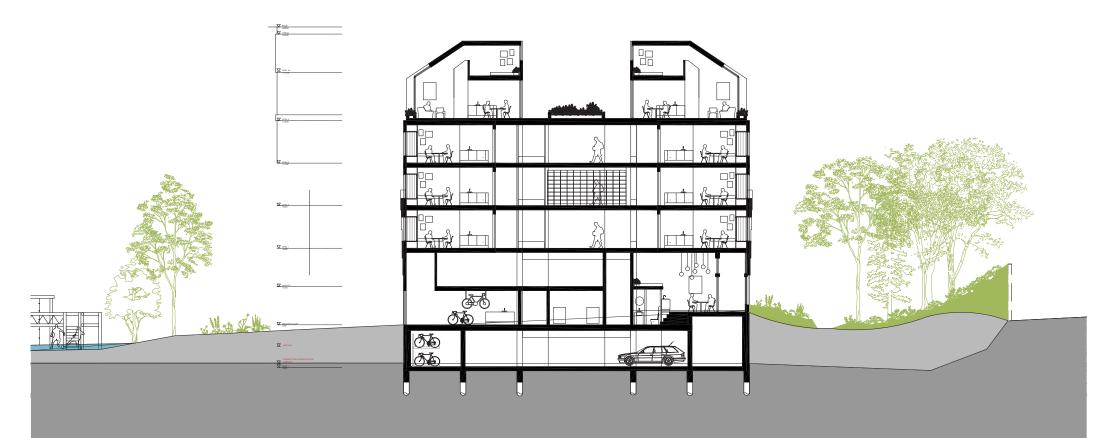
① ||| || || 01 2 5m

38

2 - Shared on collective street

Advanced Housing Studio - MsC3/4

Togetherness - Design

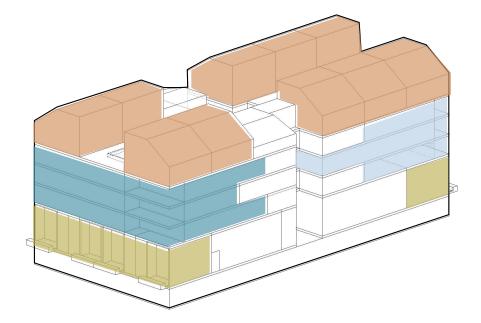


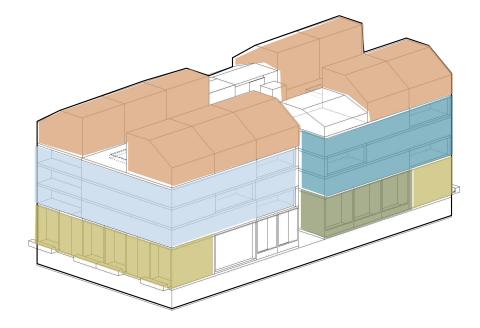
Section (A)

North - South

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 5m





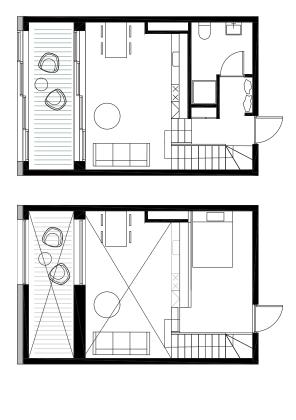
1 - North

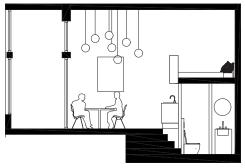
Program

Dwelling typologies

2 - South

	Types	Number	Area (m2)
	Garden	12	47
	Forest	3	44.2
	CA Unit S1	10	20.5
	CA Unit S2	6	23.2
	CA Unit S3	10	17.1
	CB Unit P1	14	29.1
	CB Unit P2	6	28.7
	Top S	4	61.4
	Тор М	8	70.8
	Total	73	

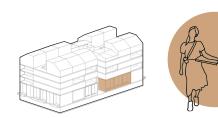




Forest Type

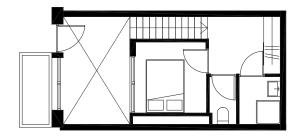
Target: Starter

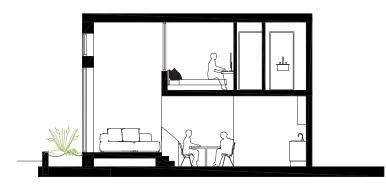




Advanced Housing Studio - MsC3/4





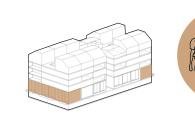


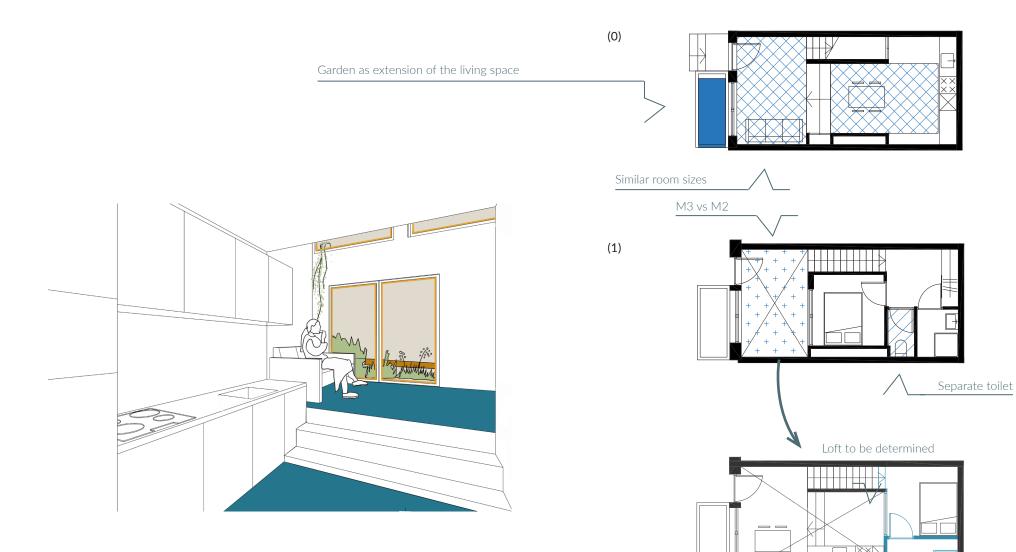


Target: Starter

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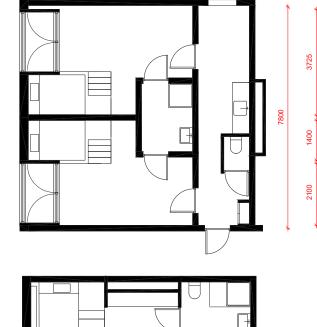


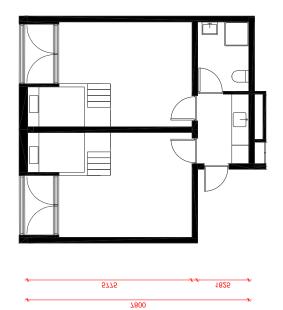
Garden Type

Spatial concept

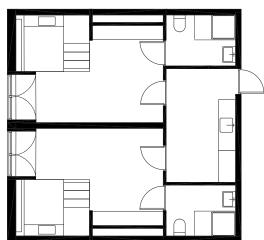
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(A)

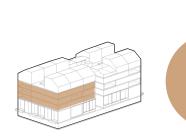


Cluster A - Shared

48

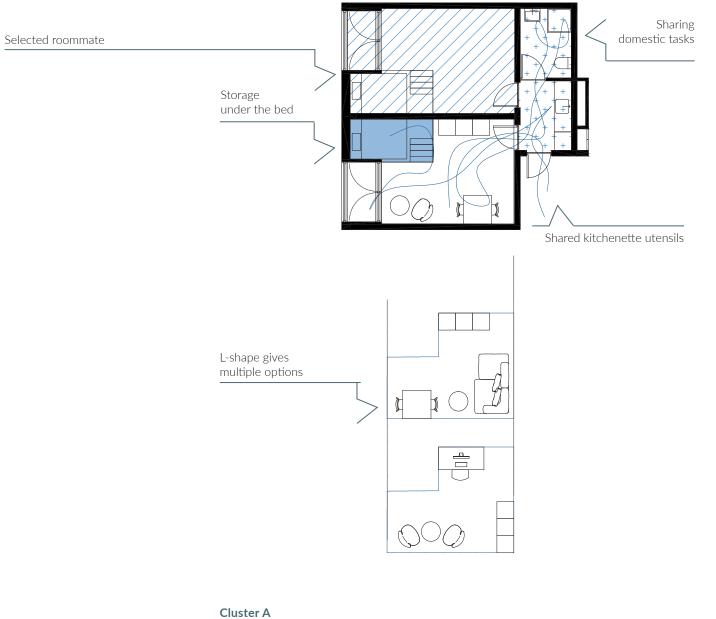
Target: Middle aged adults

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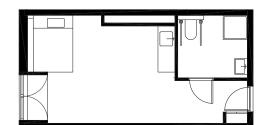
Q

(C)



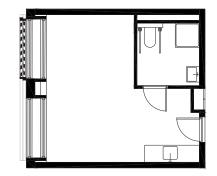
Spatial concept

І О Т 1 2 4m

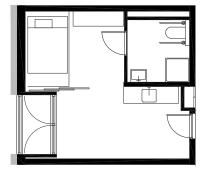


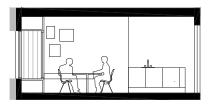


(B)



(C)



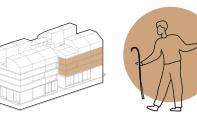


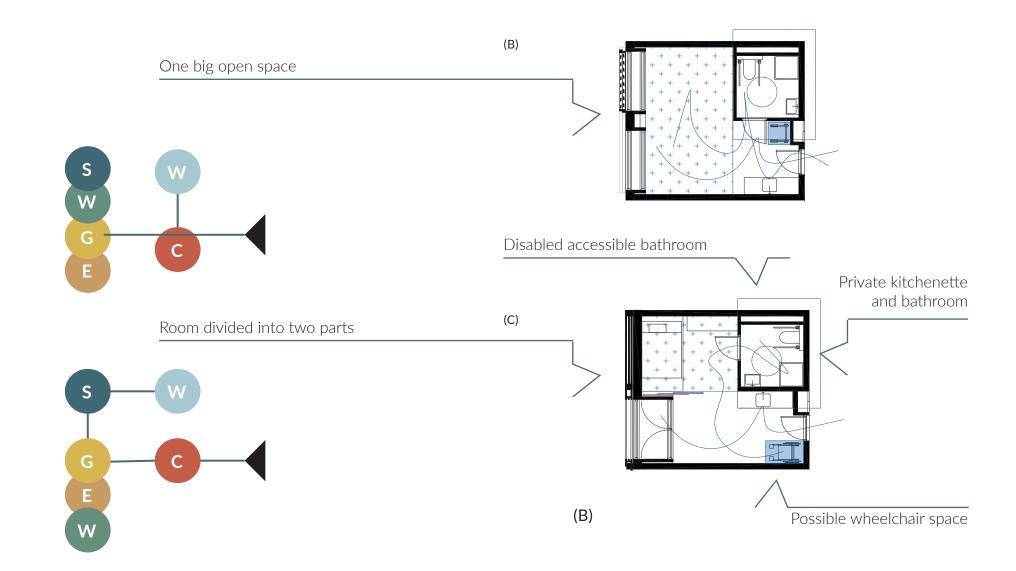
Cluster B - Individual

Target: Elderly

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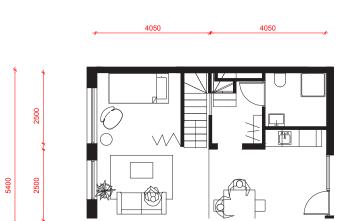


Cluster B - Individual

Spatial concept

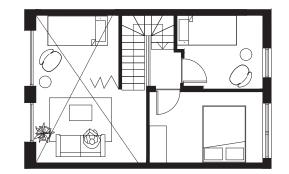
I I I I 0 1 2 4m

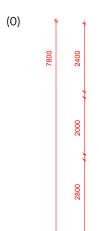






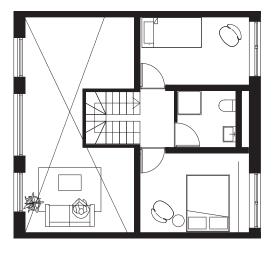
(0)









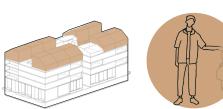




Target: Single parent

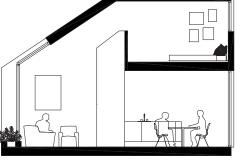
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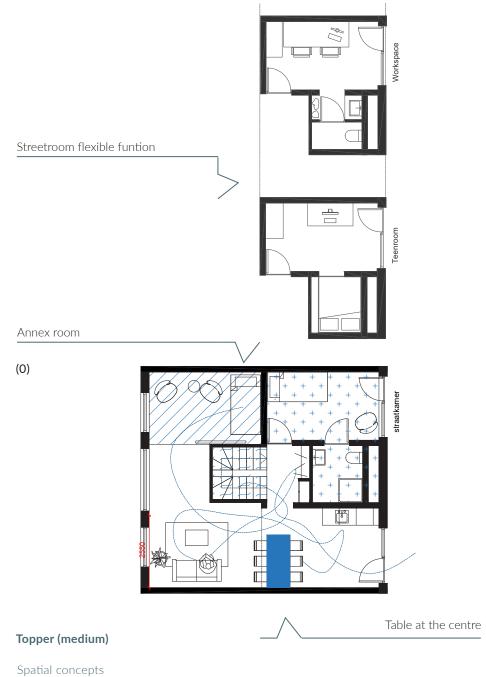


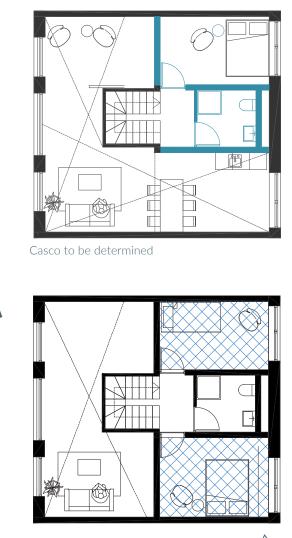
Advanced Housing Studio - MsC3/4

Topper (medium)



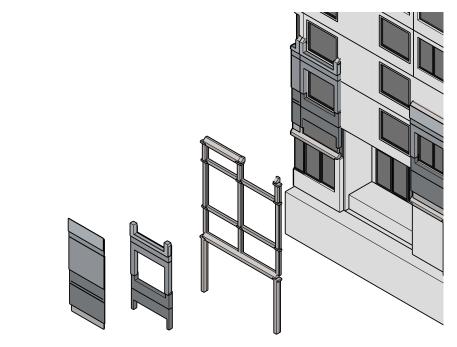
Togetherness - Design

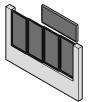




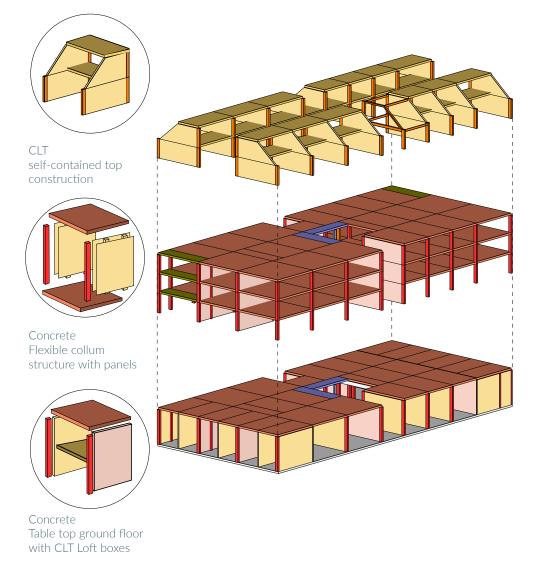
Similar bedroom sizes

(1)





Facade construction Axonometric



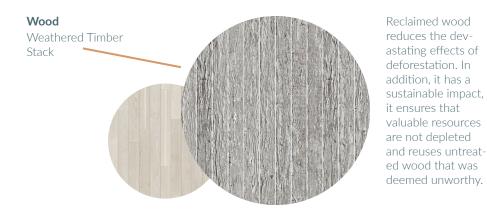
Structure

Axonometric



Materialization

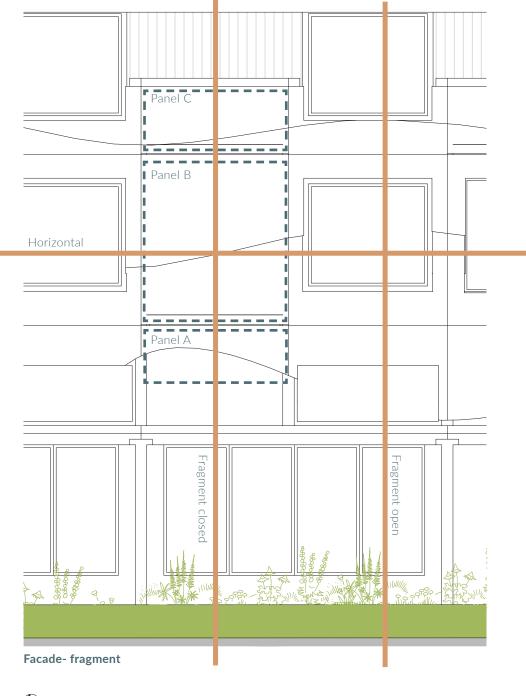
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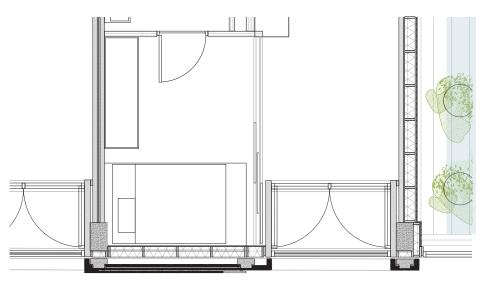


Wood-Concrete Panels made out mix of 75% wood fibers and cement

Bats need thermal protection and a rough material to maintain grip. By mixing wood fibers in the concrete, the material becomes rougher. Making separate panels ensures that the facade can be maintained and reused more sustainable.





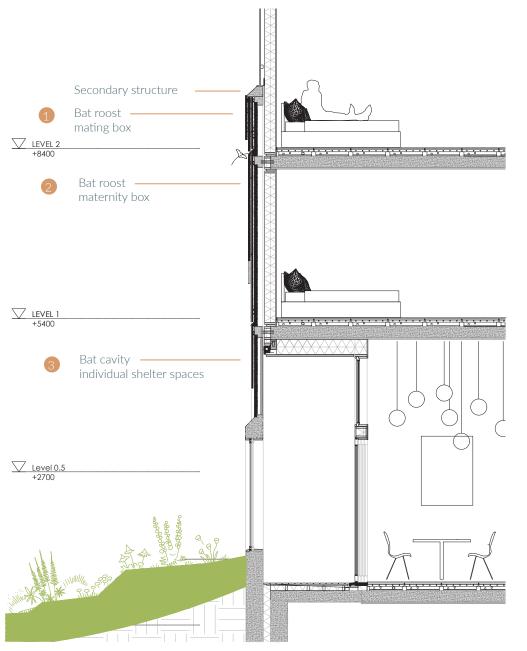


Unit 1 (CA) Unit 1 (CA)

winter garden sound proof



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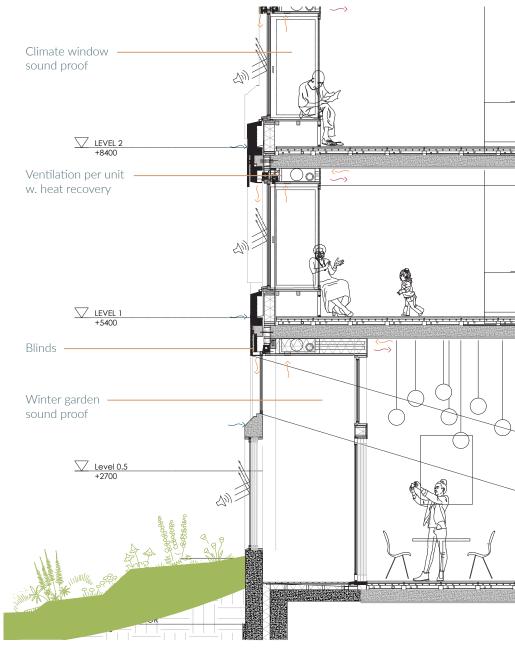




Closed facade

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 2m



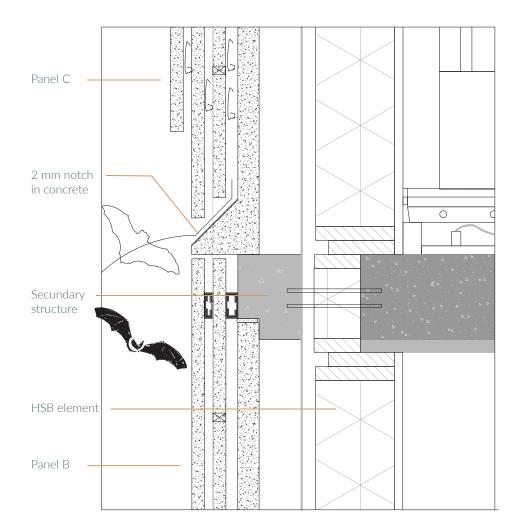
Fragment B

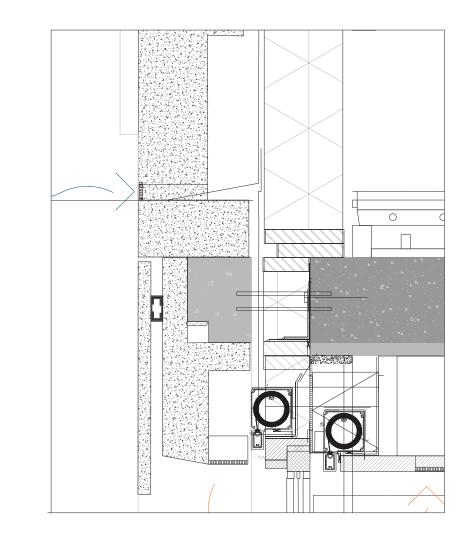
Open Facade

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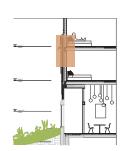




Facade Detail

Bat roost entrance

I I I I 0 50 100 200mm

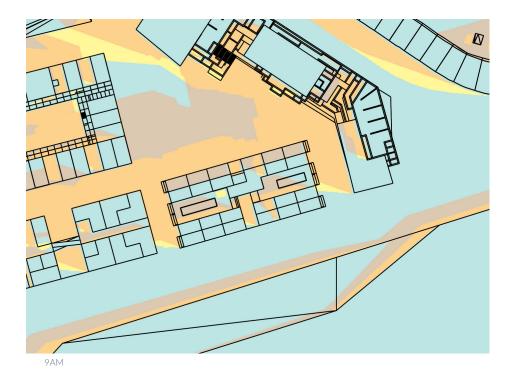


Facade Detail

Interior blind and sunblind

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Togetherness - Design





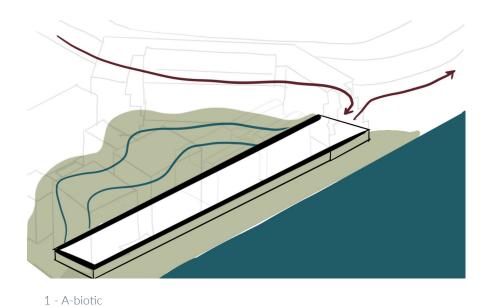
Climate design

Sunstudy

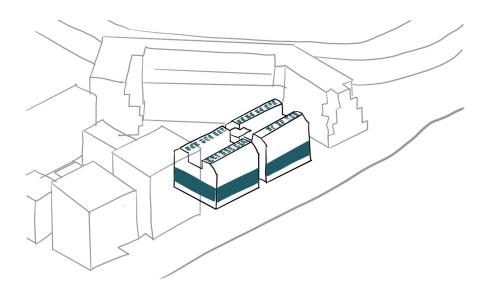
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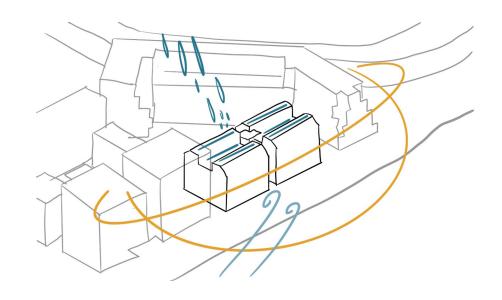
6PM



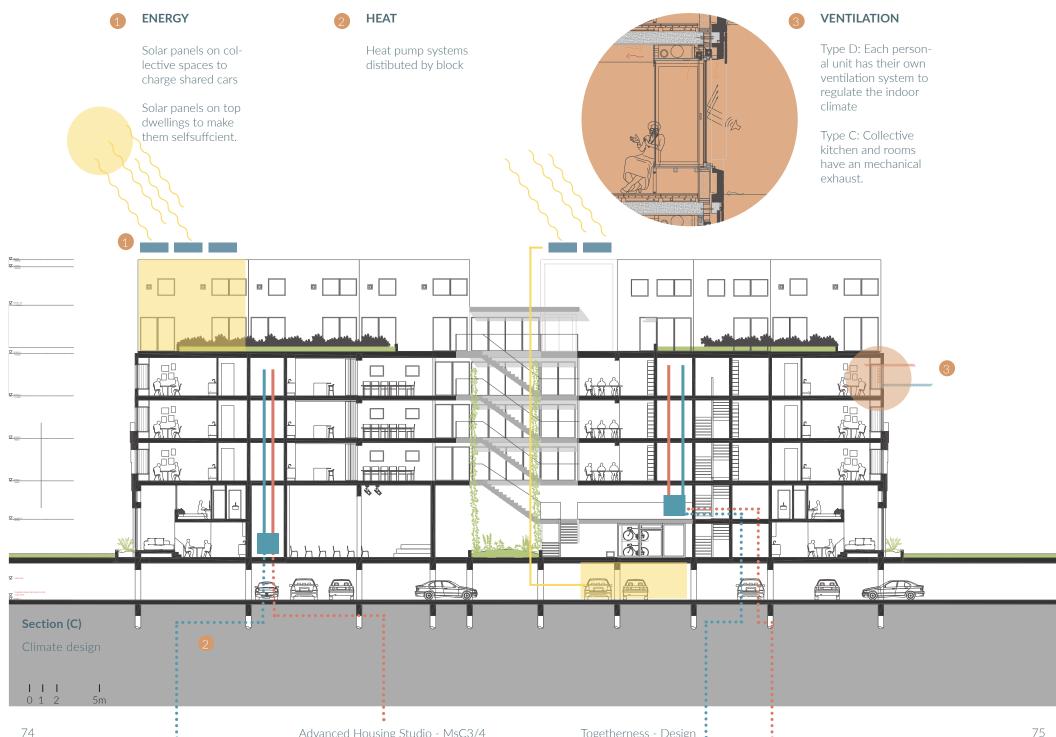
2 - Biotic

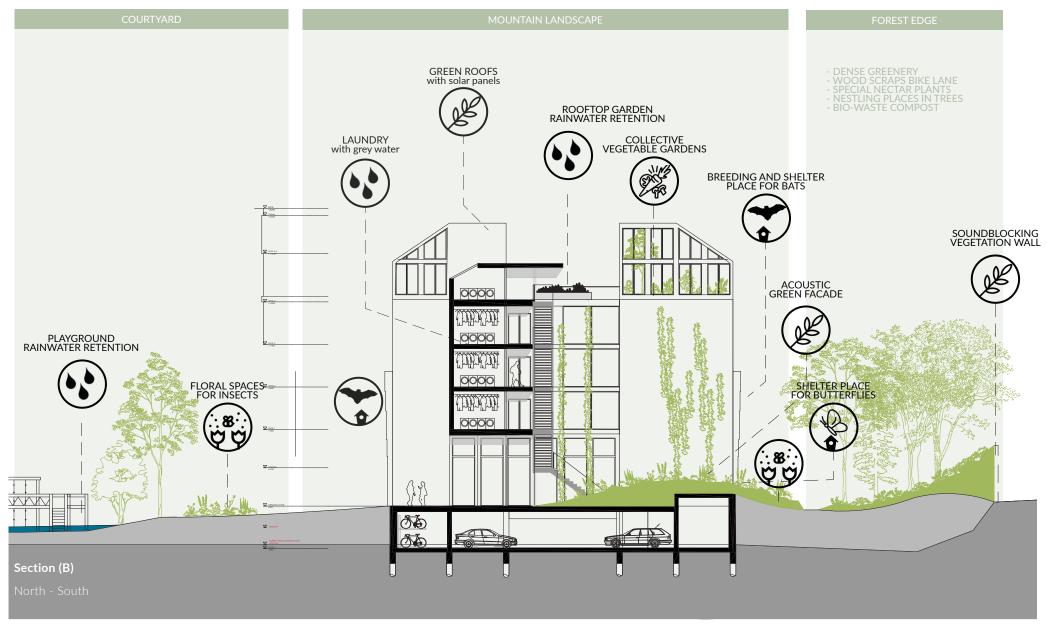


3 - Technical



4 - Athmosperical





III I 012 5m