

“Kinderen van de rekening”

the children who pay the price

Single parents

Step families

Blended families

“How can architecture form a living environment for the modern families in the urban setting of Amsterdam in which they are supported in their dynamic life?”





traditional?



divorced parents and single parents



Step parents



blender families

Target group

Single parents:



- 1 or 2 children who differ in residence
- low financial support
- low social support

step families:

Blended families:

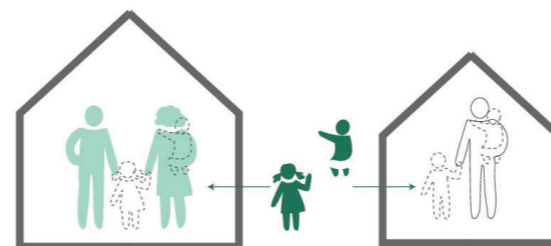
Doelgroep

Aleenstaande ouders:



- 1 or 2 children who differ in residence
- low financial support
- low social support

Stiefgezinnen:



- single parents with a new non biological parent
- larger financial support
- loyalty problem between child and stepparent

Samengestelde gezinnen:

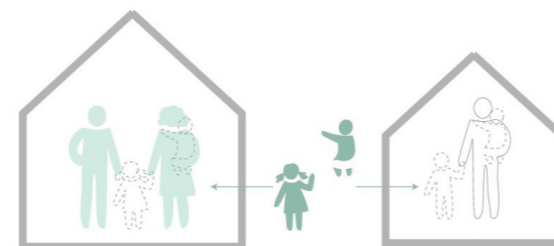
Doelgroep

Aleenstaande ouders:



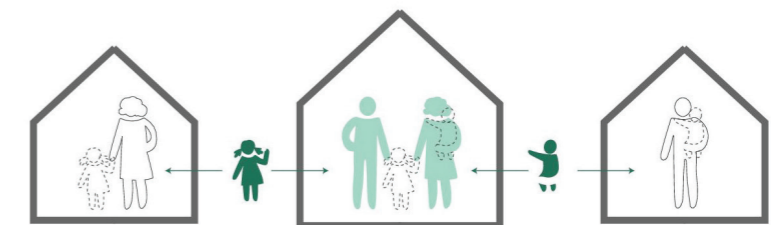
- 1 or 2 children who differ in residence
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Stiefgezinnen:



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- larger financial support
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Samengestelde gezinnen:



- A new family out of two single parent families
- difficult social circumstances
- changes in residence of the children

Gezinnen met jonge kinderen verlaten Amsterdam

NUL20 (1) | WONEN EN BOUWEN IN
DE METROPOOLREGIO
AMSTERDAM

Vooraf hoger opgeleide gezinnen vertrekken uit Amsterdam
Jonge gezinnen verhuizen het vaakst naar Amstelveen

Gezinnen met jonge kinderen verlaten Amsterdam

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Veel jonge gezinnen verlaten de grote stad

Meer stellen gaan op jonge leeftijd uit elkaar

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Veel jonge gezinnen verlaten de grote stad

Meer stellen gaan op jonge leeftijd uit elkaar

Steeds meer baby's geboren in gezin met één ouder

Groeiende groep alleenstaande ouders wil meer steun

6 Pijlers

5 family pijlers

Price

- o 55.000 income of two earners
- o 93 m2

- o 30.000 income of one earners
- o 47 m2

- o Amsterdam knows to many large dwellings

Privacy

Safety

Space

Facilities

5 gezins pijlers

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- o 55.000 income of two earners
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Privacy

- o lack of collective spaces
- o no space for the children to retreat
- o stepparants are too interesting in the children and dont take the needed distance

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Safety

- o kinderen kunnen niet vrij buiten spelen.
- o Families wonen te dicht bij drukke winkel en werk gebieden
- o de auto heeft vaak voorrang ten opzichte van de kinderen

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Privacy

- o 55.000 inkomen voor twee verdieners
- o 93 m2
- o 30.000 inkomen voor één verdieners
- o 47 m2
- o Amsterdam kent teveel grote gezins woningen

Privacy

- o gebrek aan collectieve buiten ruimte
- o de woning kent geen mogelijkheden om in terug te trekken
- o stiefouders zitten op de lippen van de kinderen

Safety

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Space

- o dwellings are too large and too expensive
- o too less storage space
- o spaces are not flexible
- o too less bedrooms
- o playsspaces are too far from the dwelling

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Space

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- o spaces are not flexible
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- o playsspaces are too far from the dwelling

Facilities

- o route to school is too long or dangerous
- o modern families have more need for professional care
- o Playspaces are overdesigned

extra pijler for modern families

Support

- o Modern families have need to be with like minded
- o Modern families have a need for professional support
- o Modern families want to create a new stable environment for the children
- o Modern families need more flexible/ private space to organise the new social structure

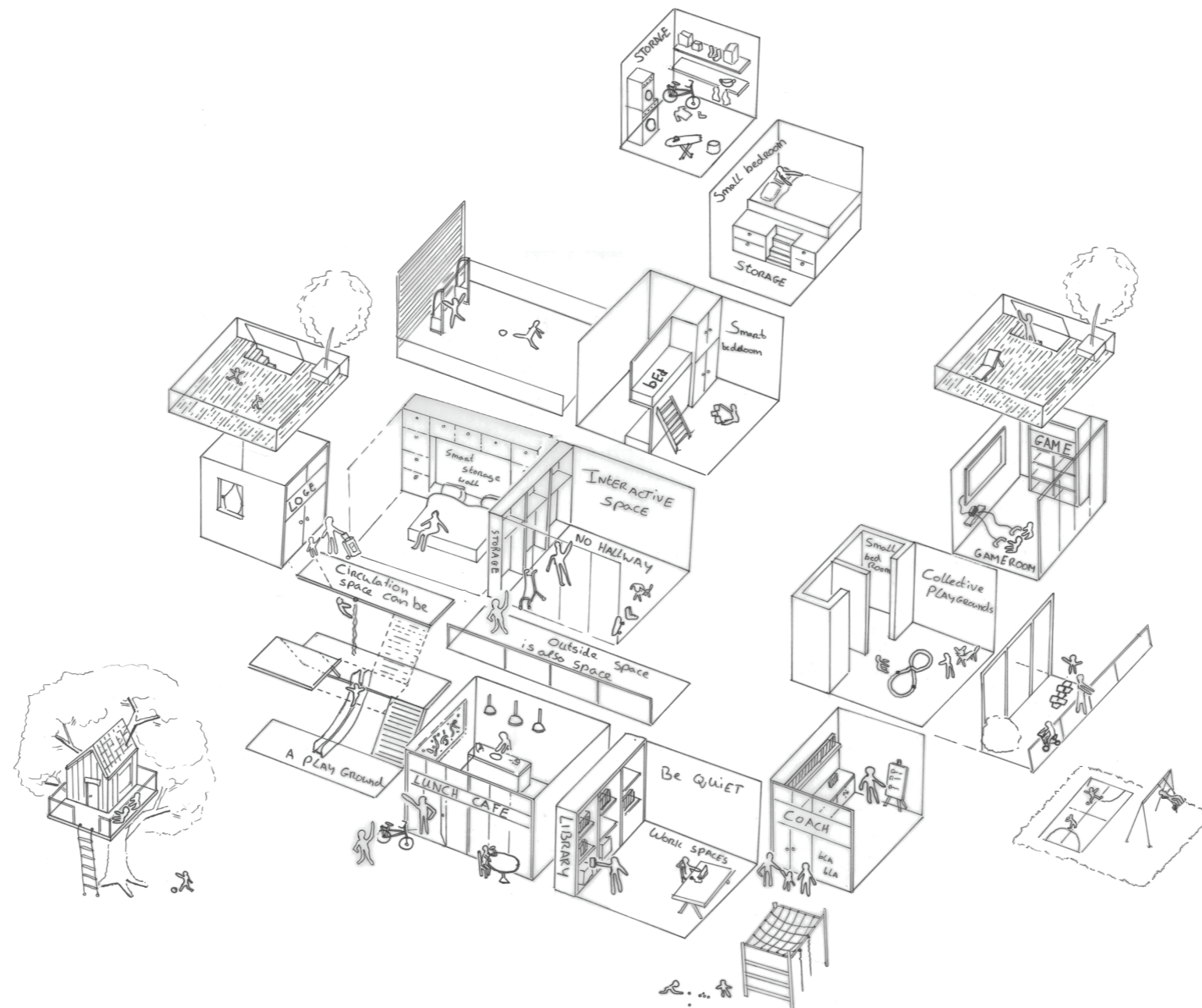
Conclusion

- o flexible dwellings between 50-100 m²
- o The social development of children is the starting point
- o provide support with traditional, other modern families and professionals
- o A safe environment for children to stabilise the social structure

Metaphor

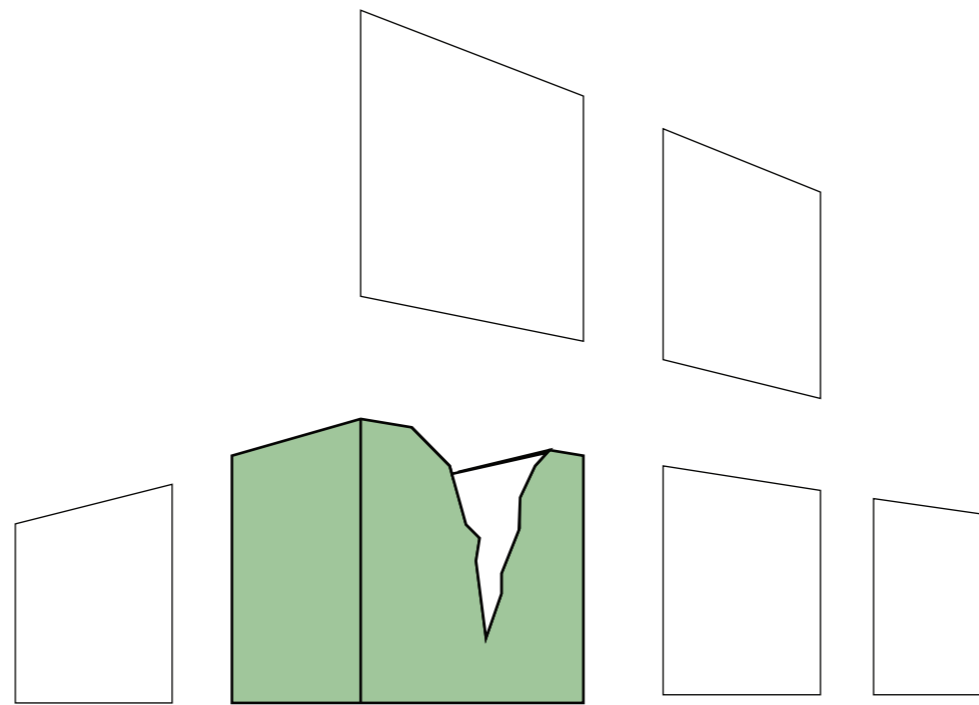
Playscape

"a environment to play and support"



The broken cornerstone

"a search to a new intepretation of tradition"

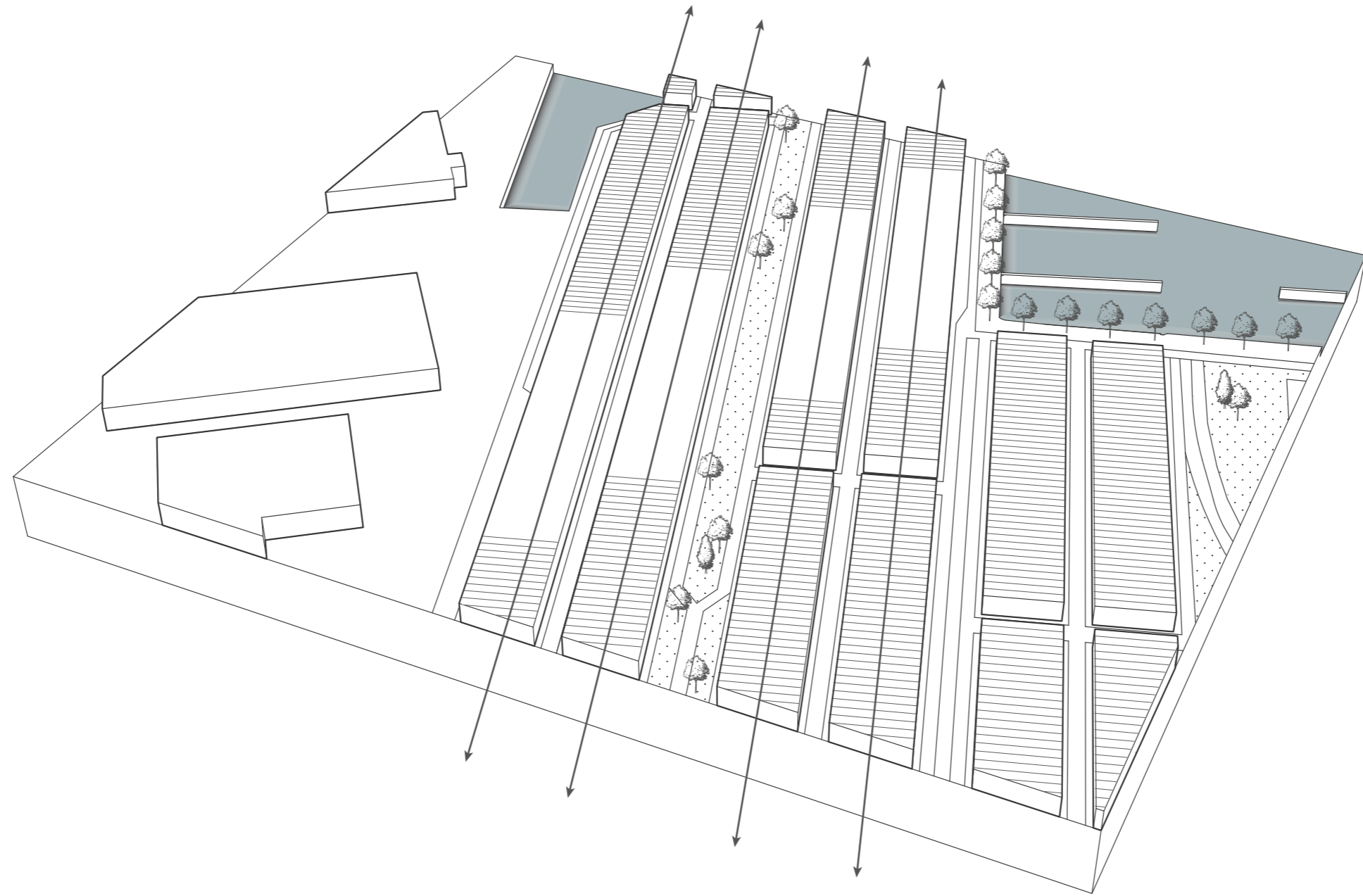


Overview

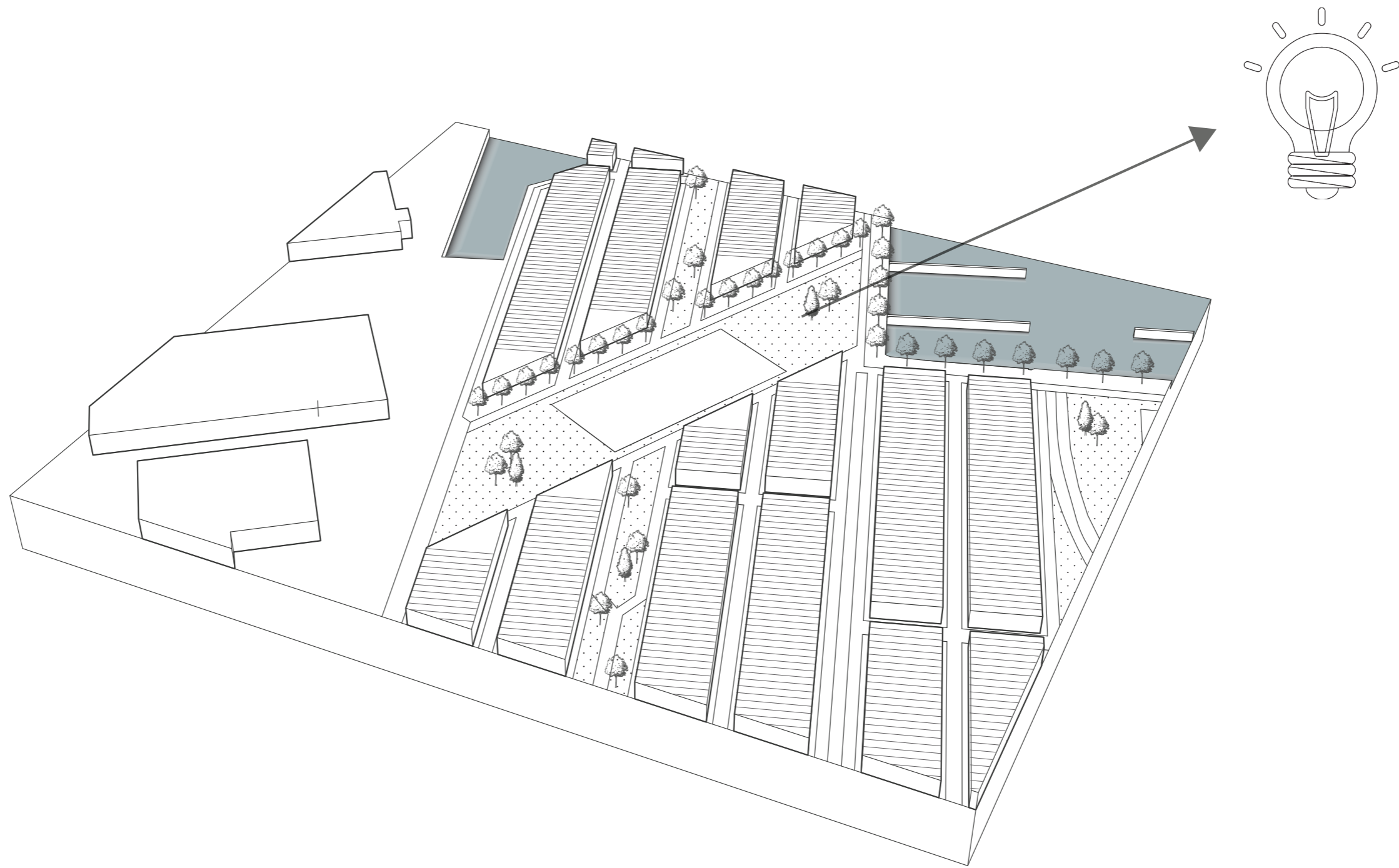




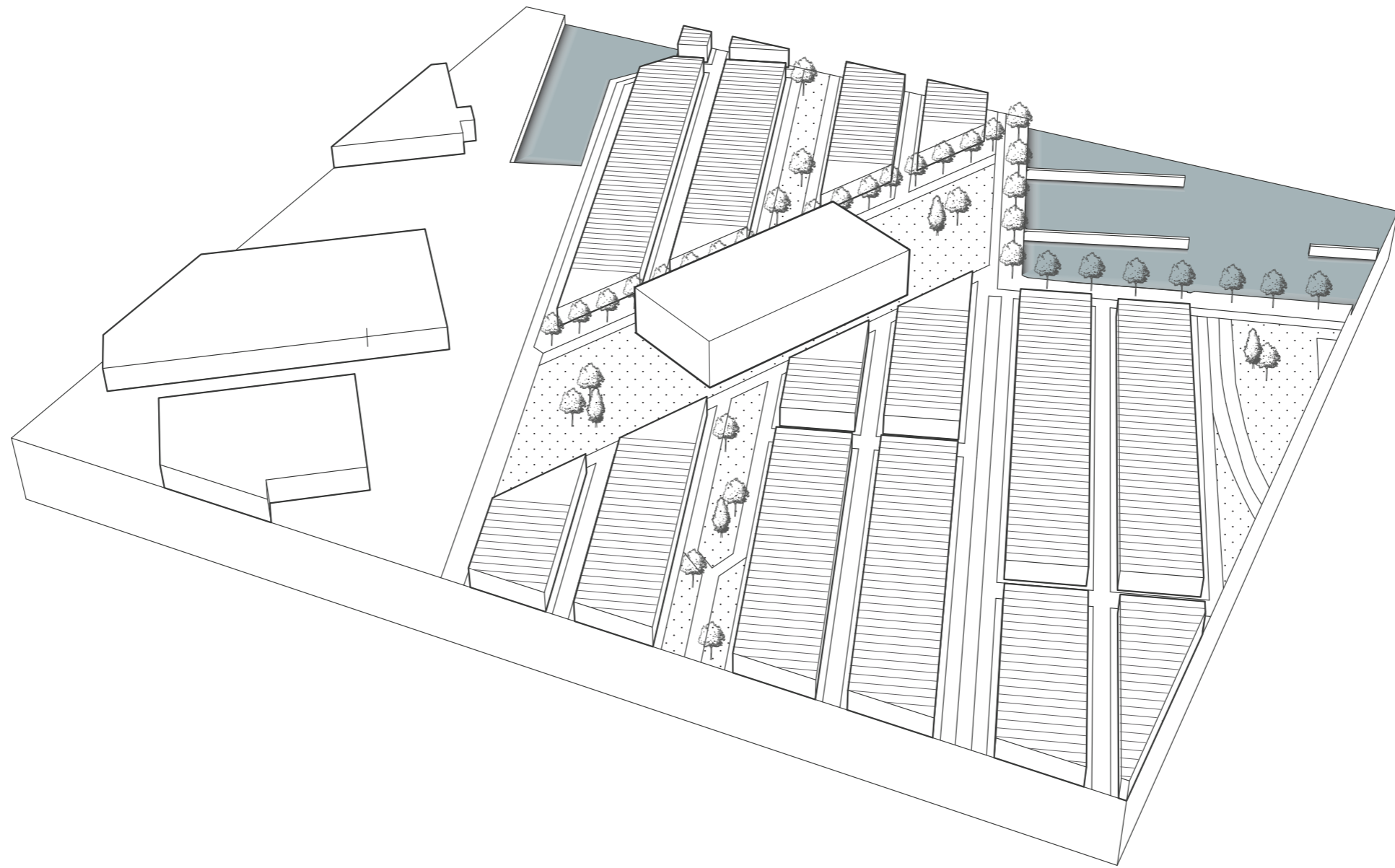
Strategy



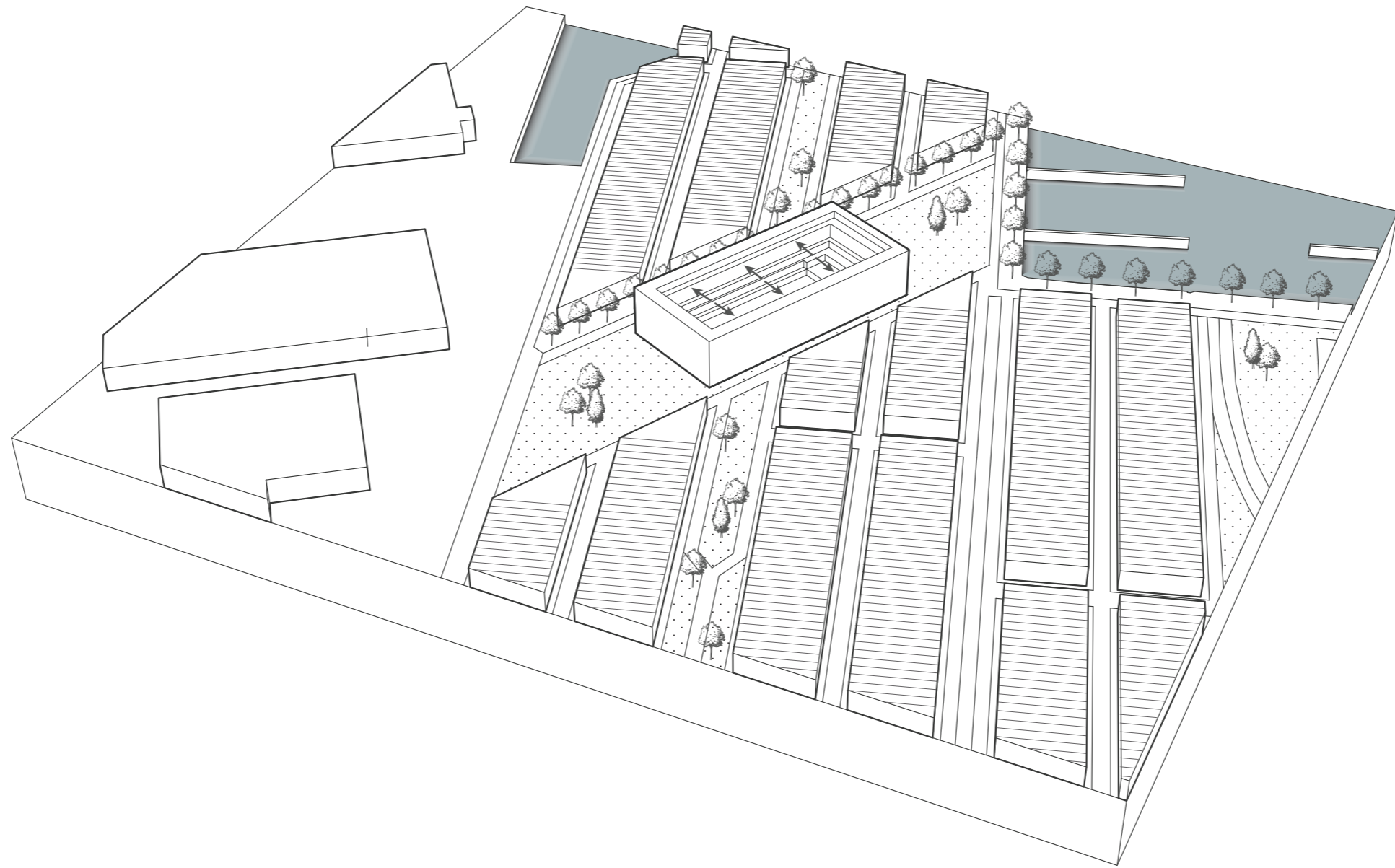
Masterplan superimpose



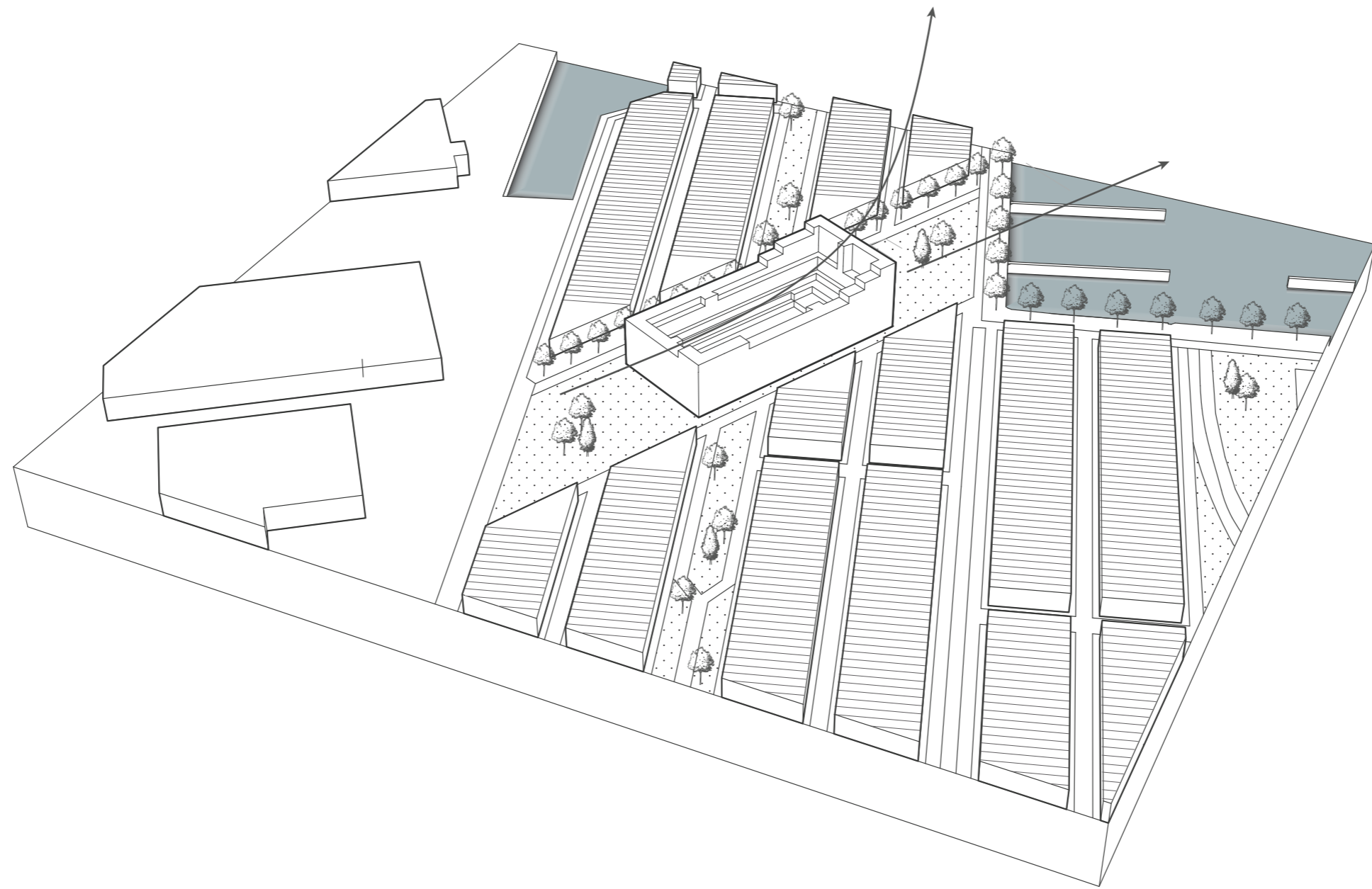
Masterplan embadding



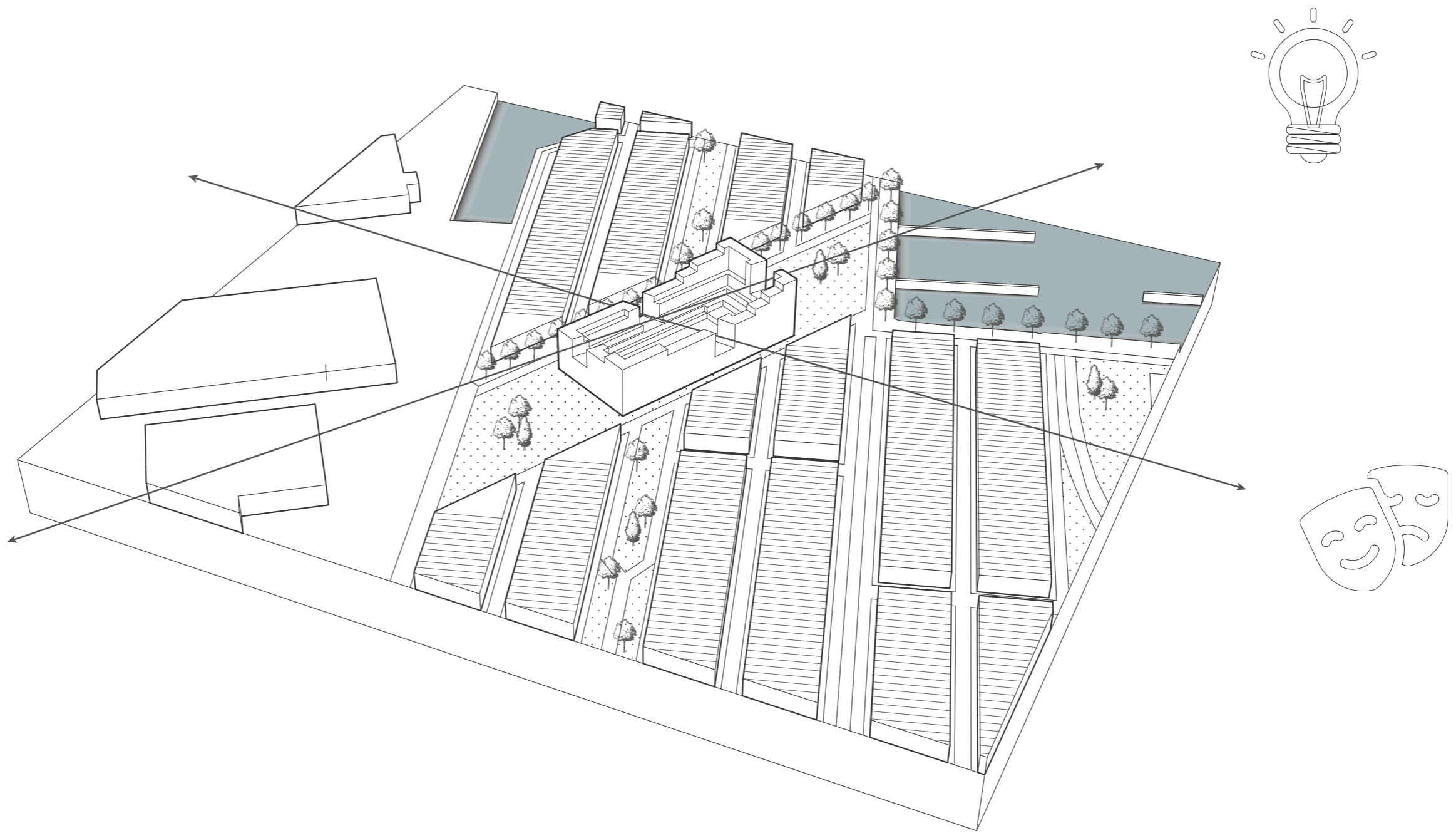
building block



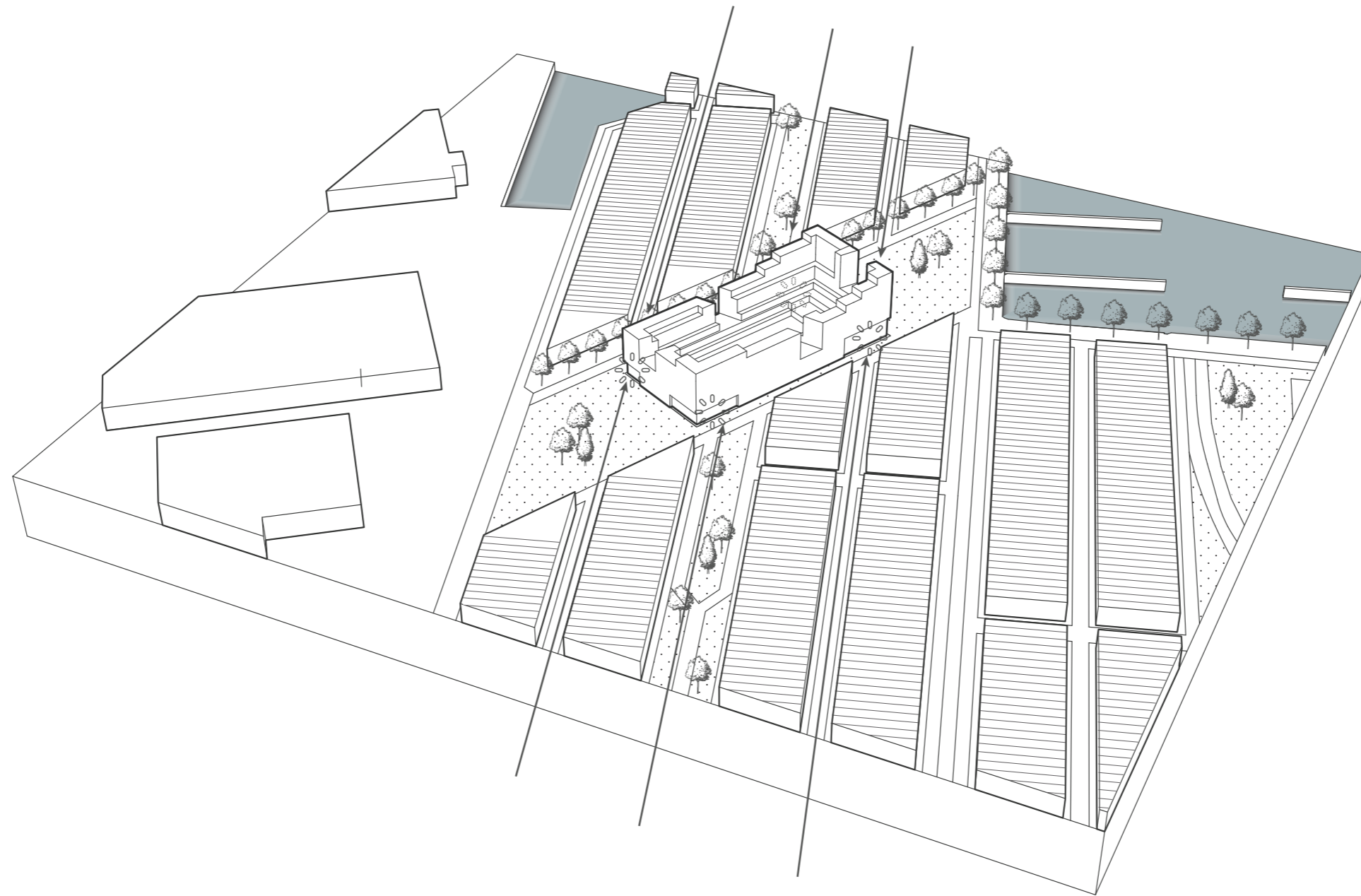
opening the block



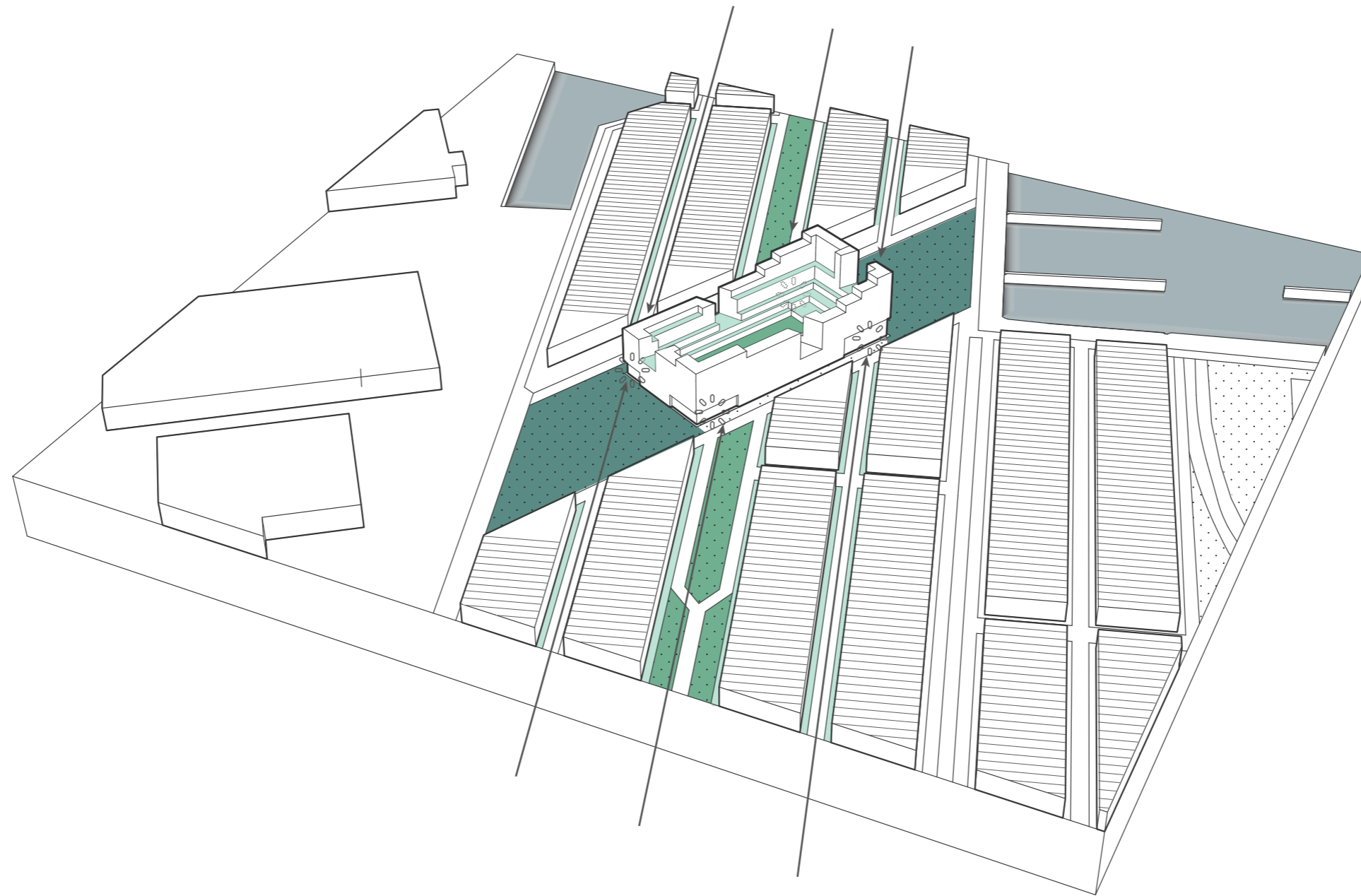
accent towards the water



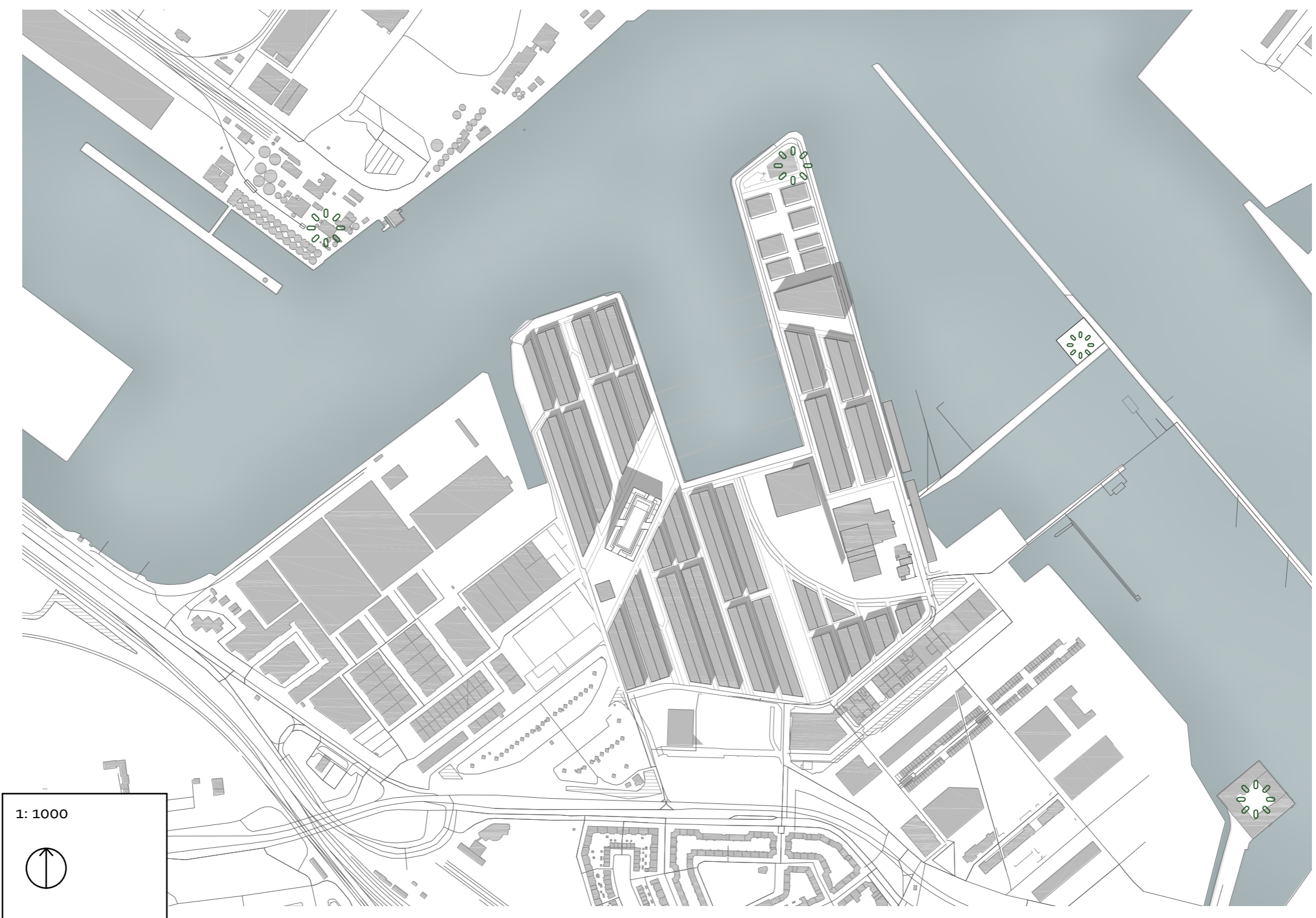
connections on the bigger scale



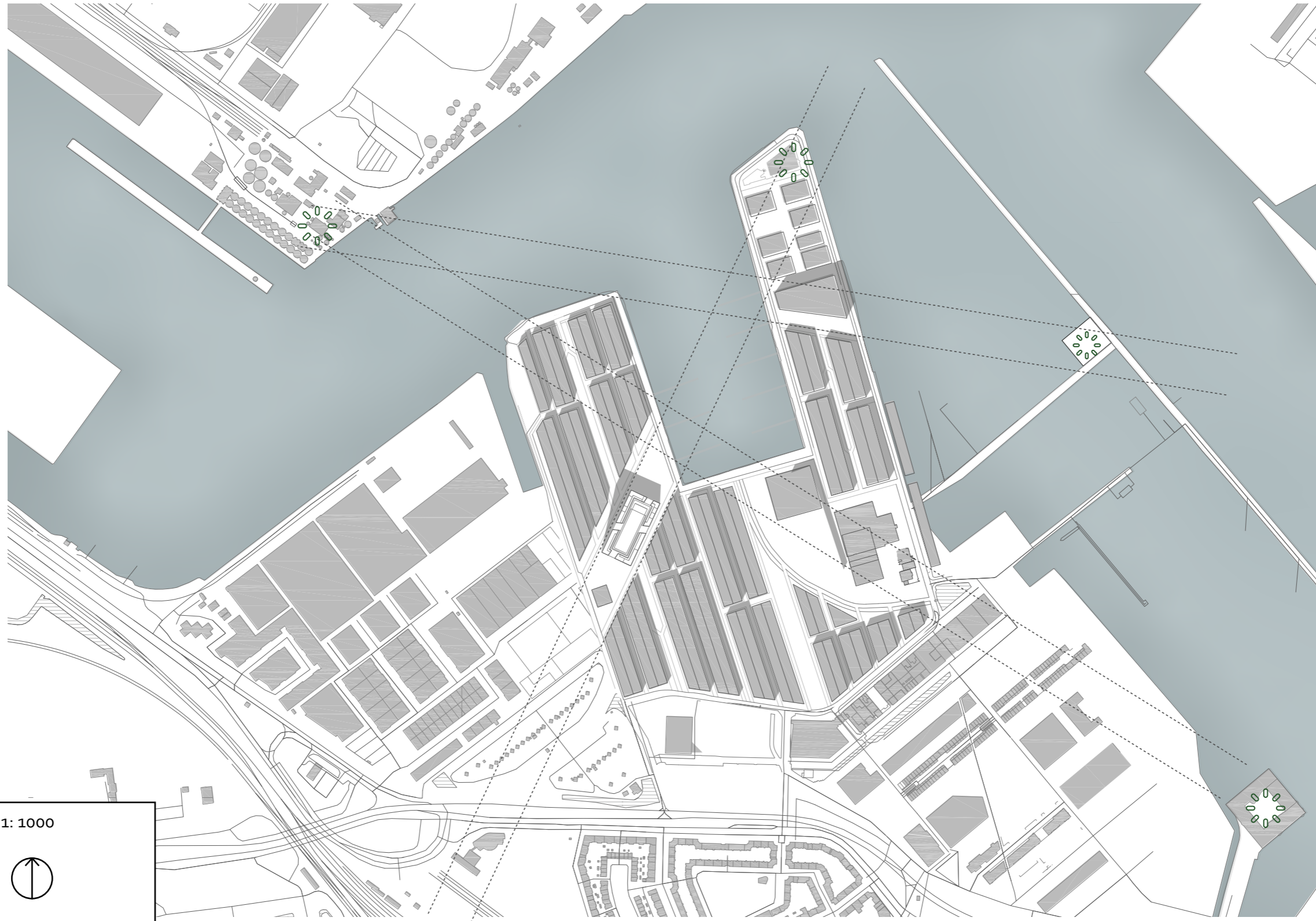
connections on the lower scale



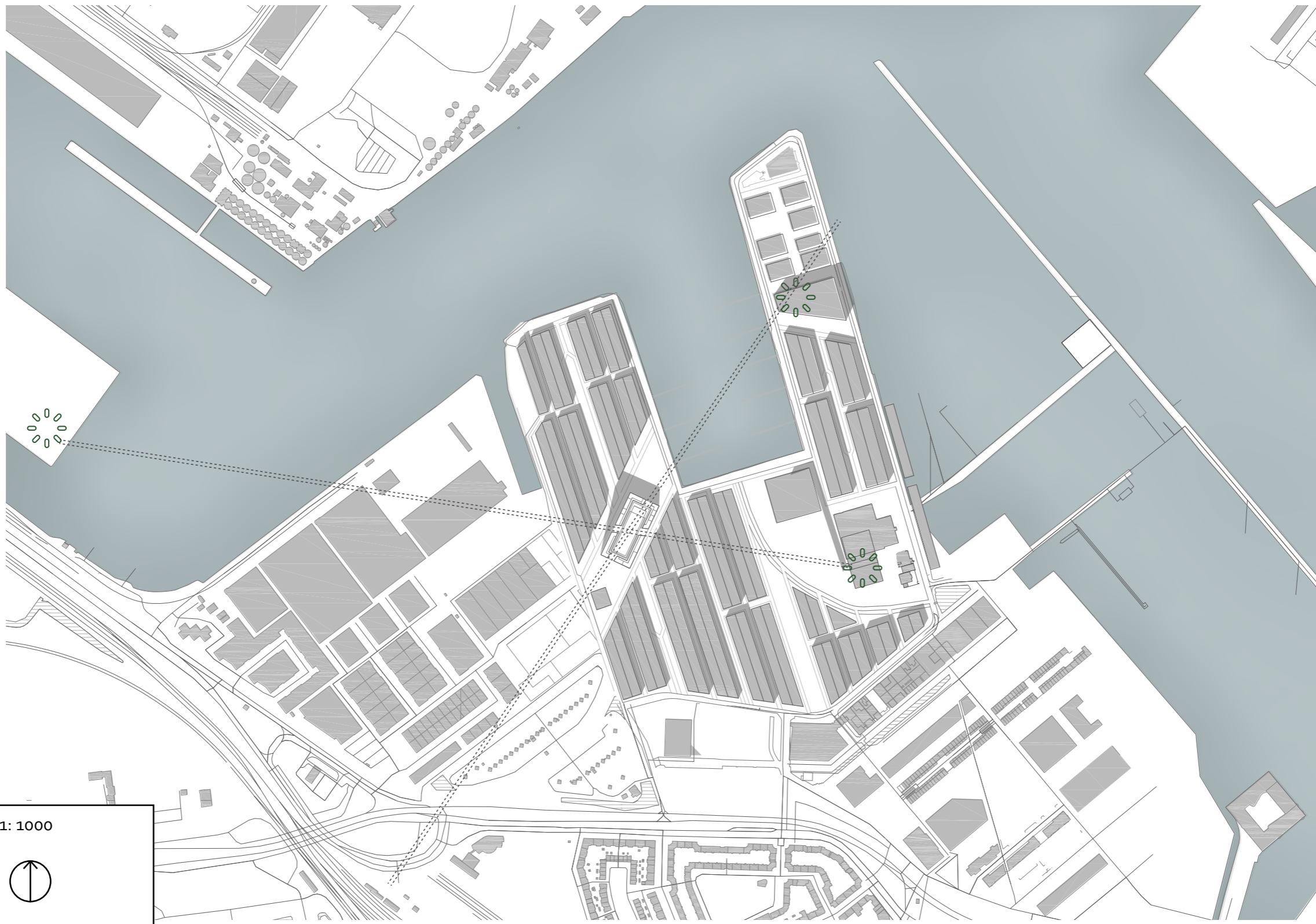
playspaces



urban situation



urban situation



urban situation

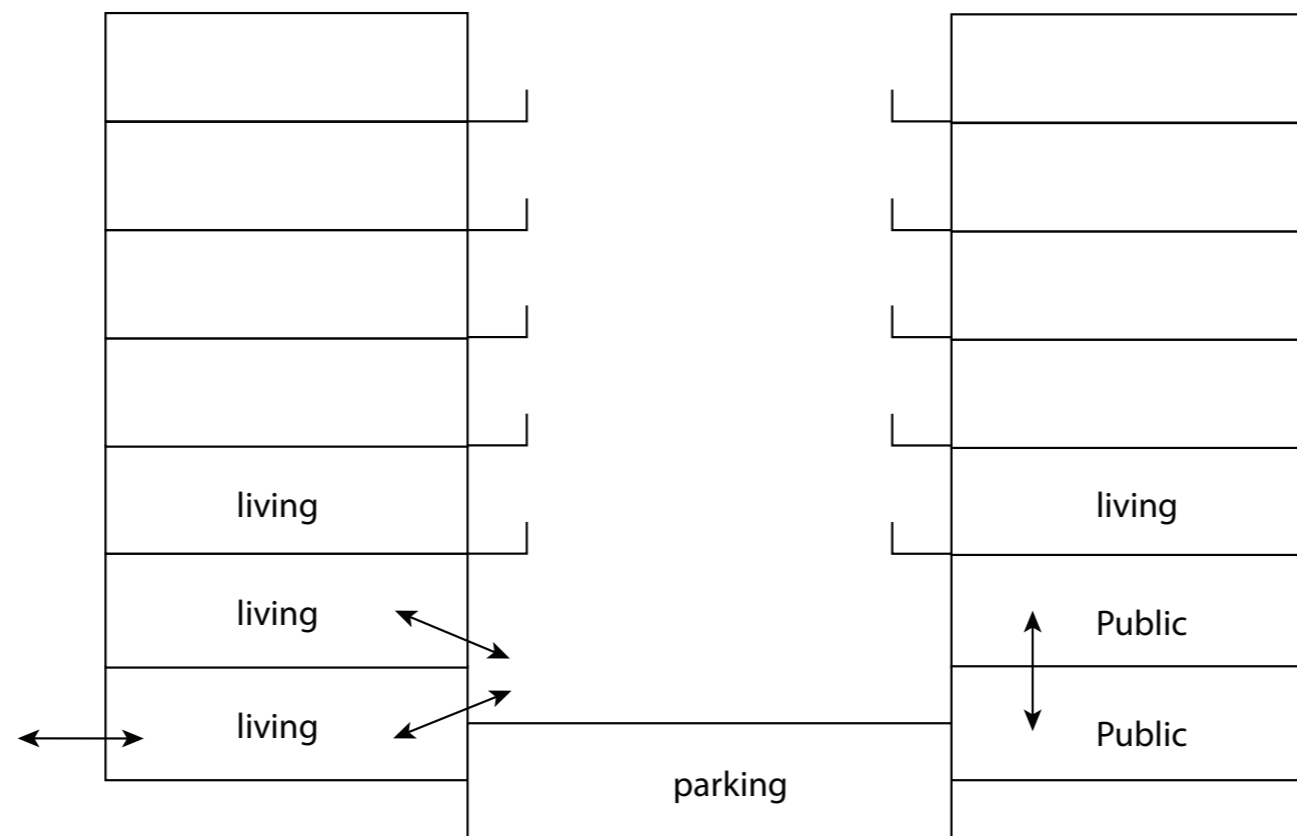
- o Divers typologies
- o dwellings of 50 - 100 m2
- o light nature and space
- o close relation with the playspaces

Section

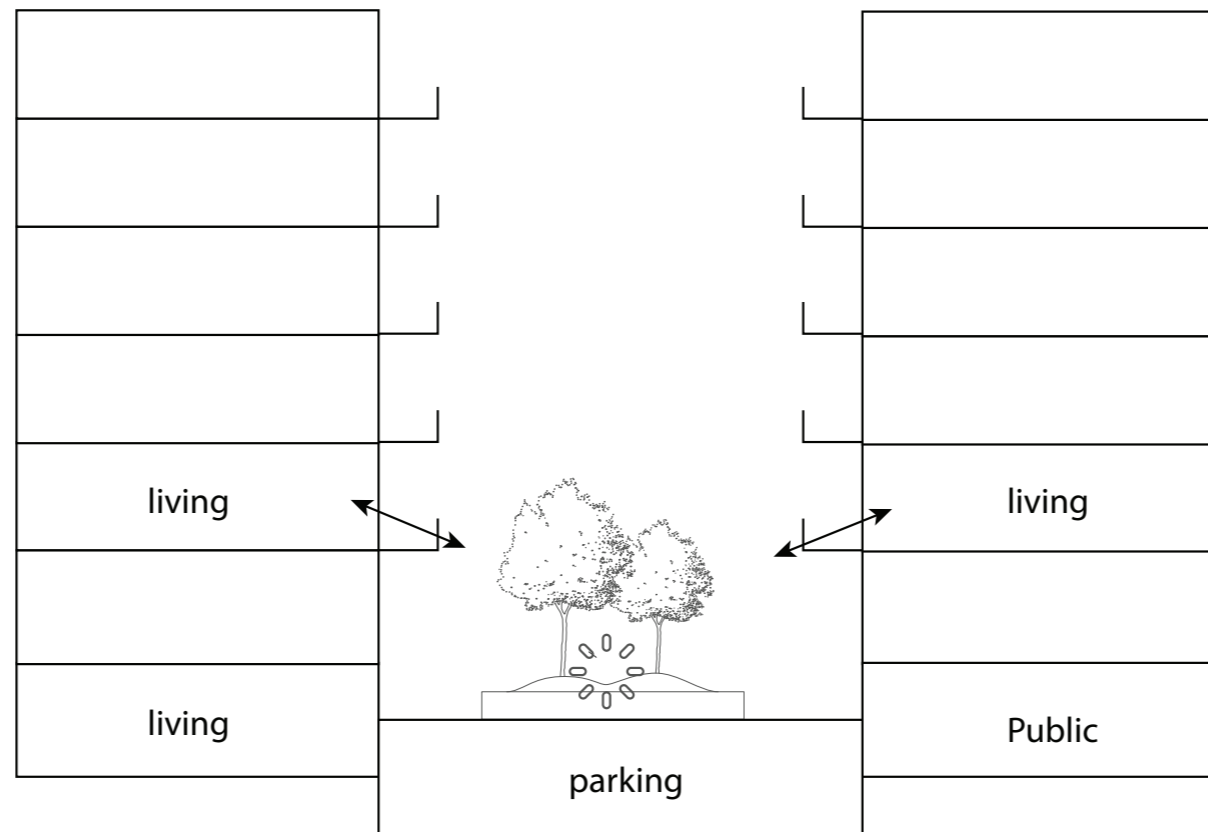
Strategy

living		living
Public		Public
Public	Parking	Public

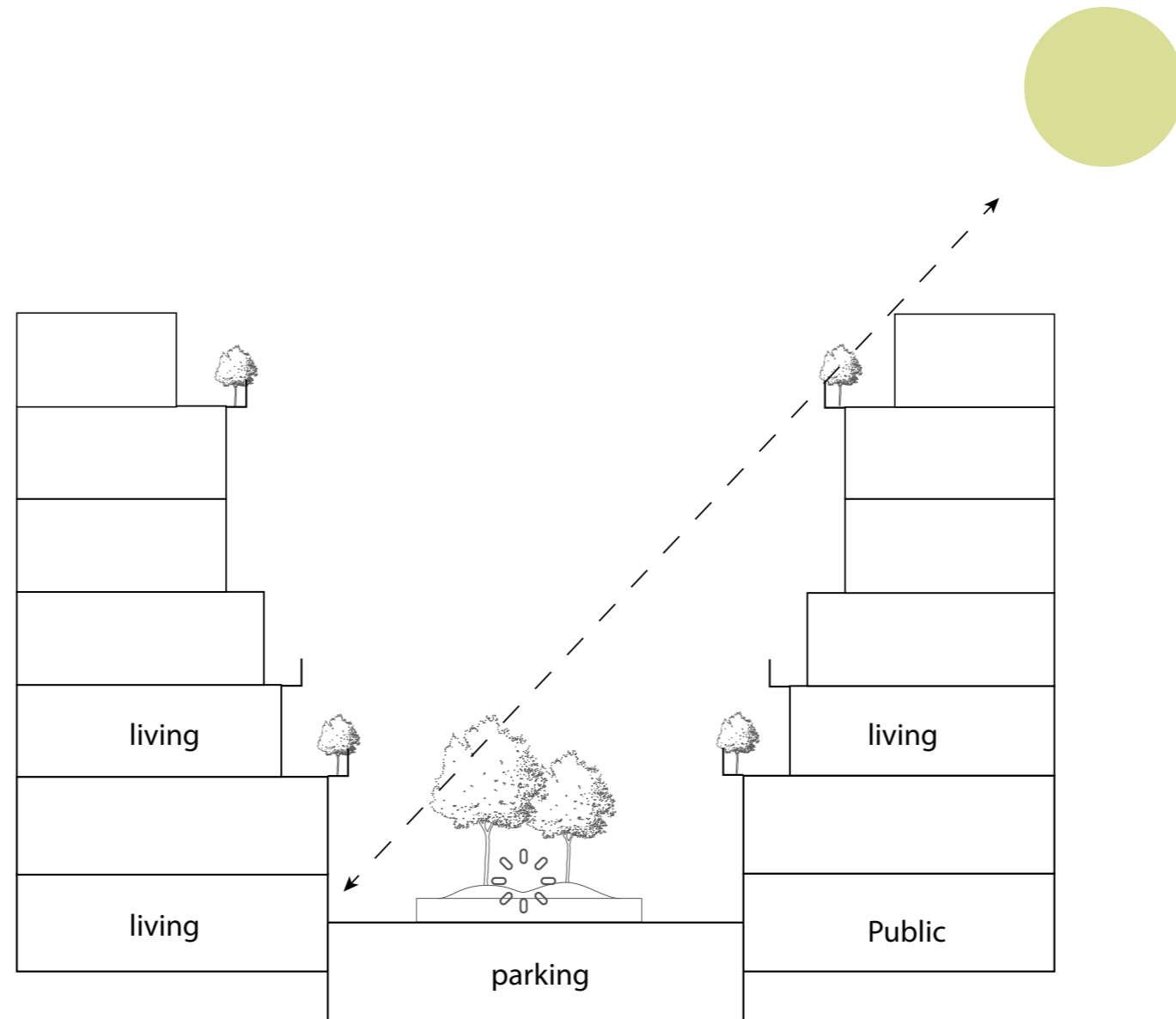
standard block



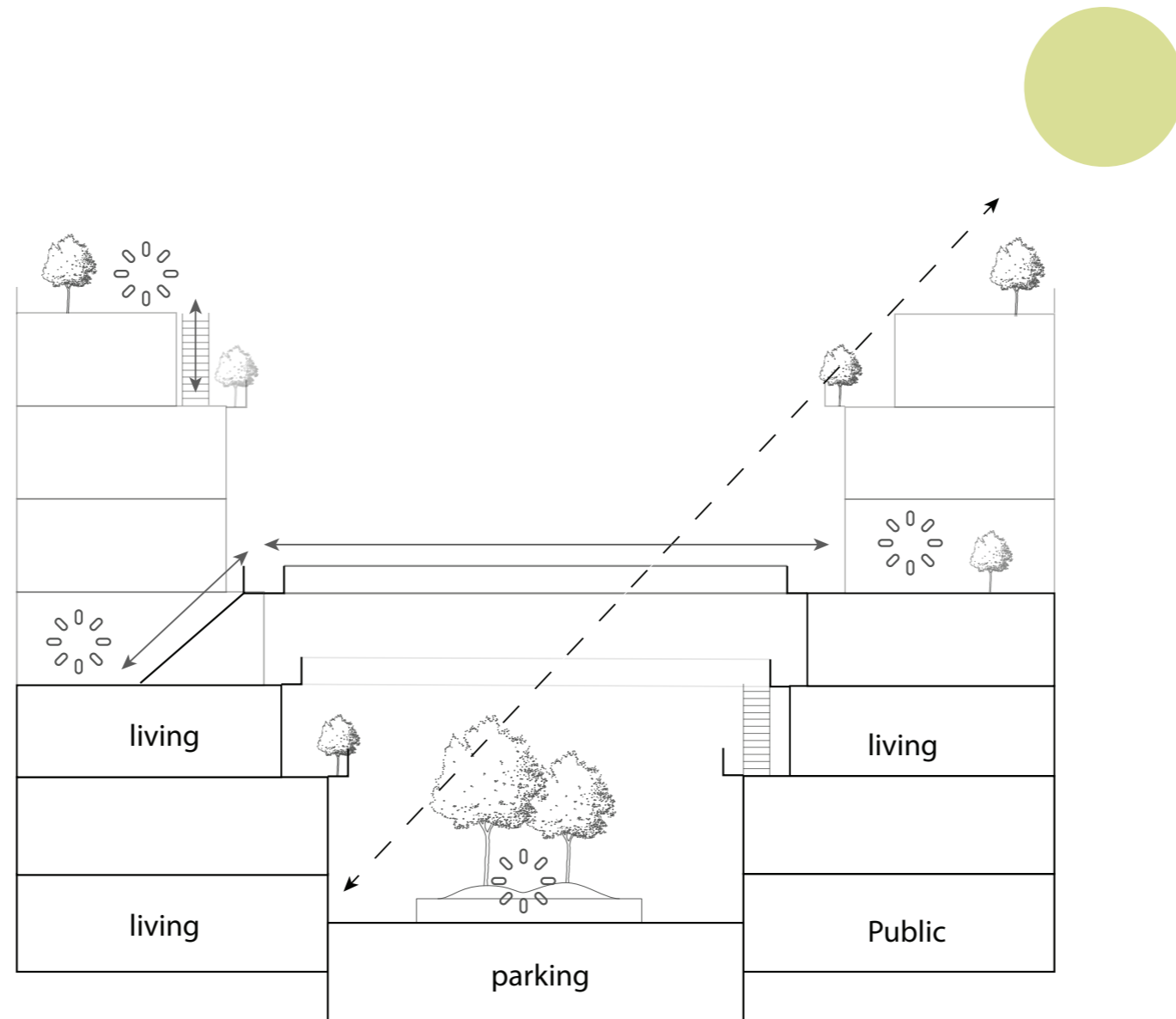
interactive plinth



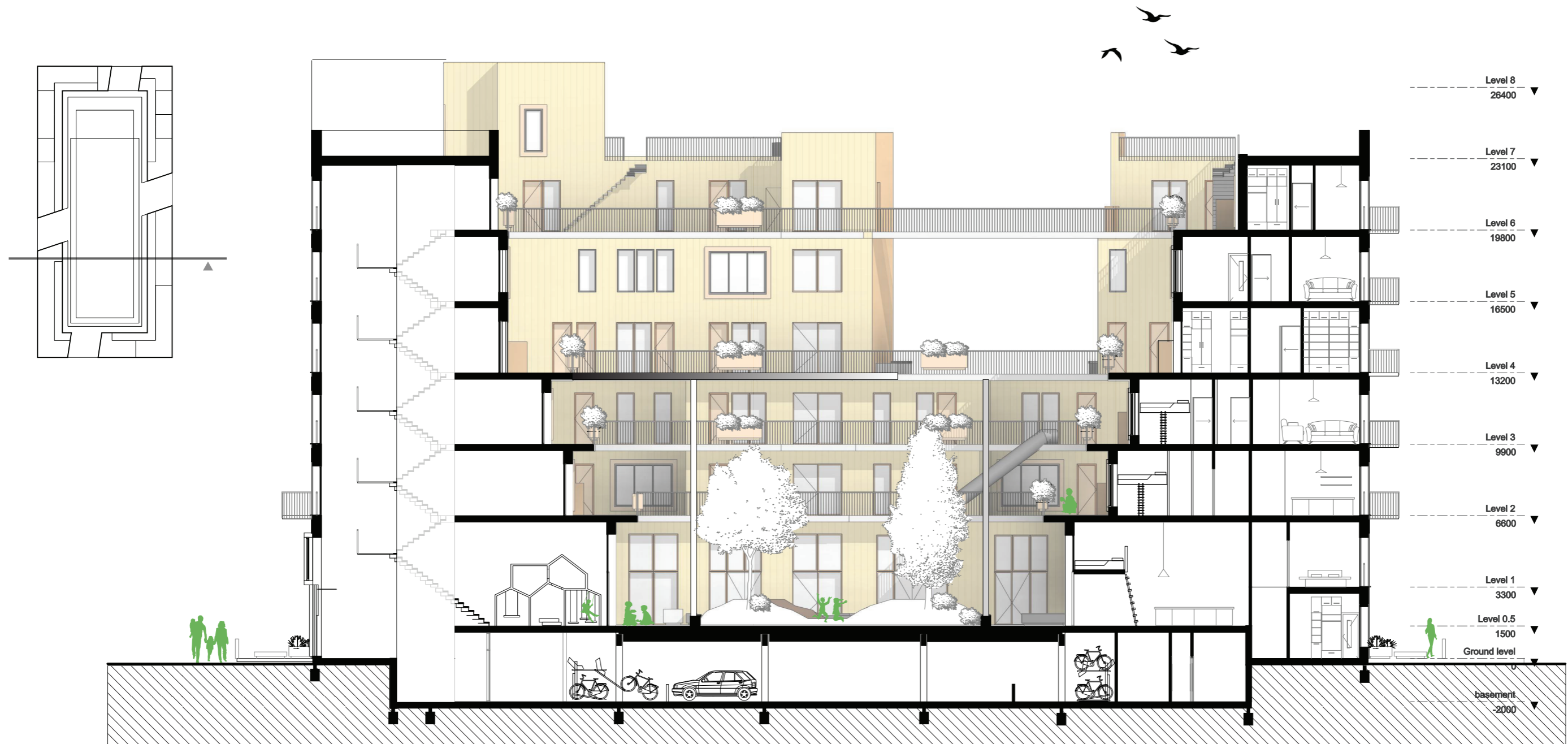
internal garden



stepped facade



playspaces



section



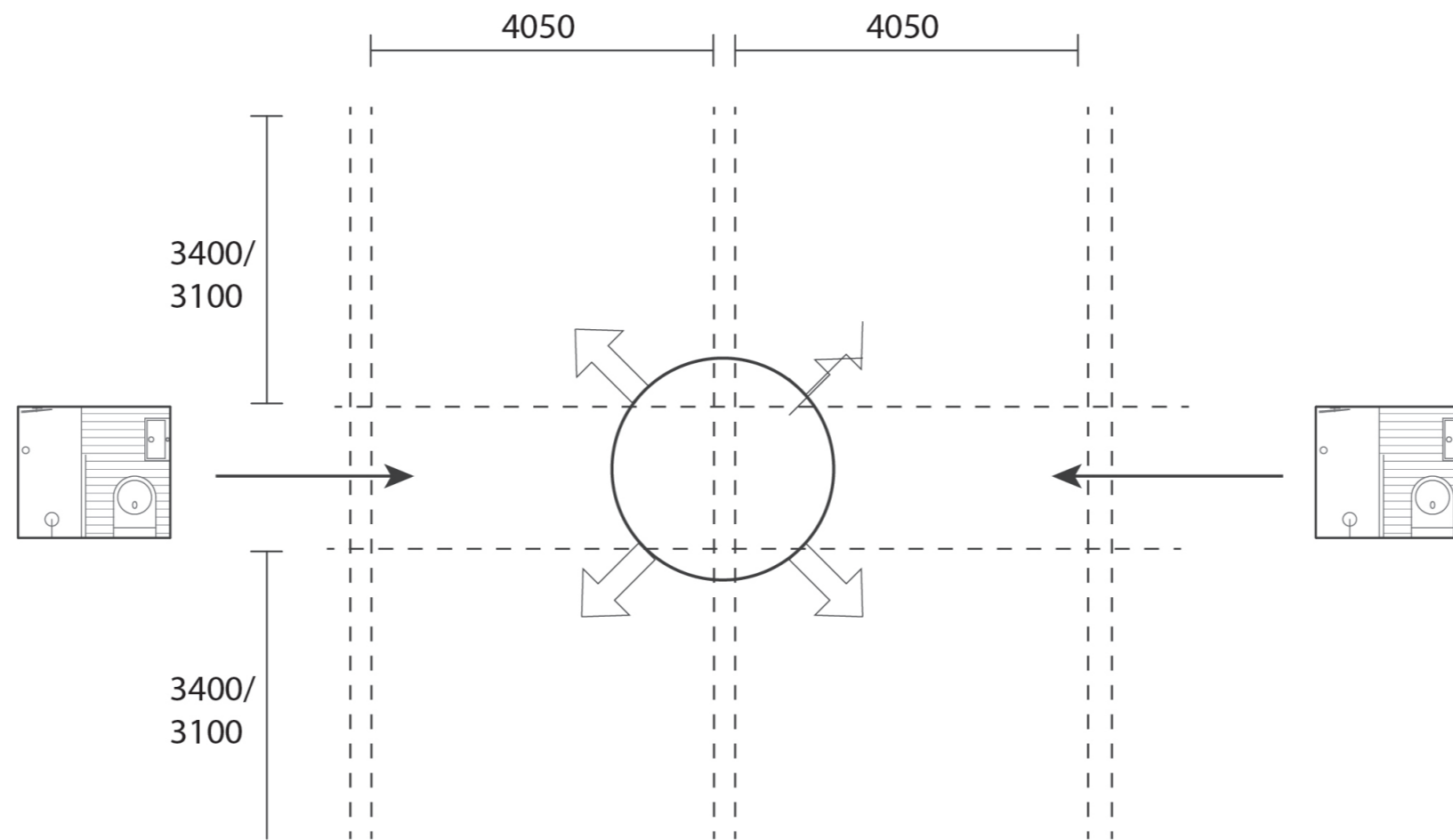
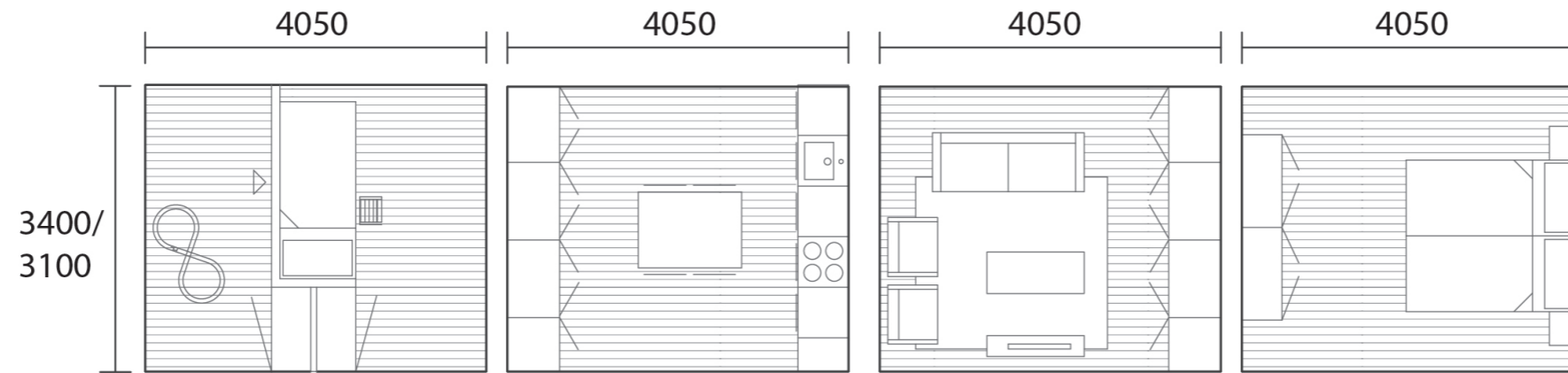
playspace section

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- o The social development of children is the starting point
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Block

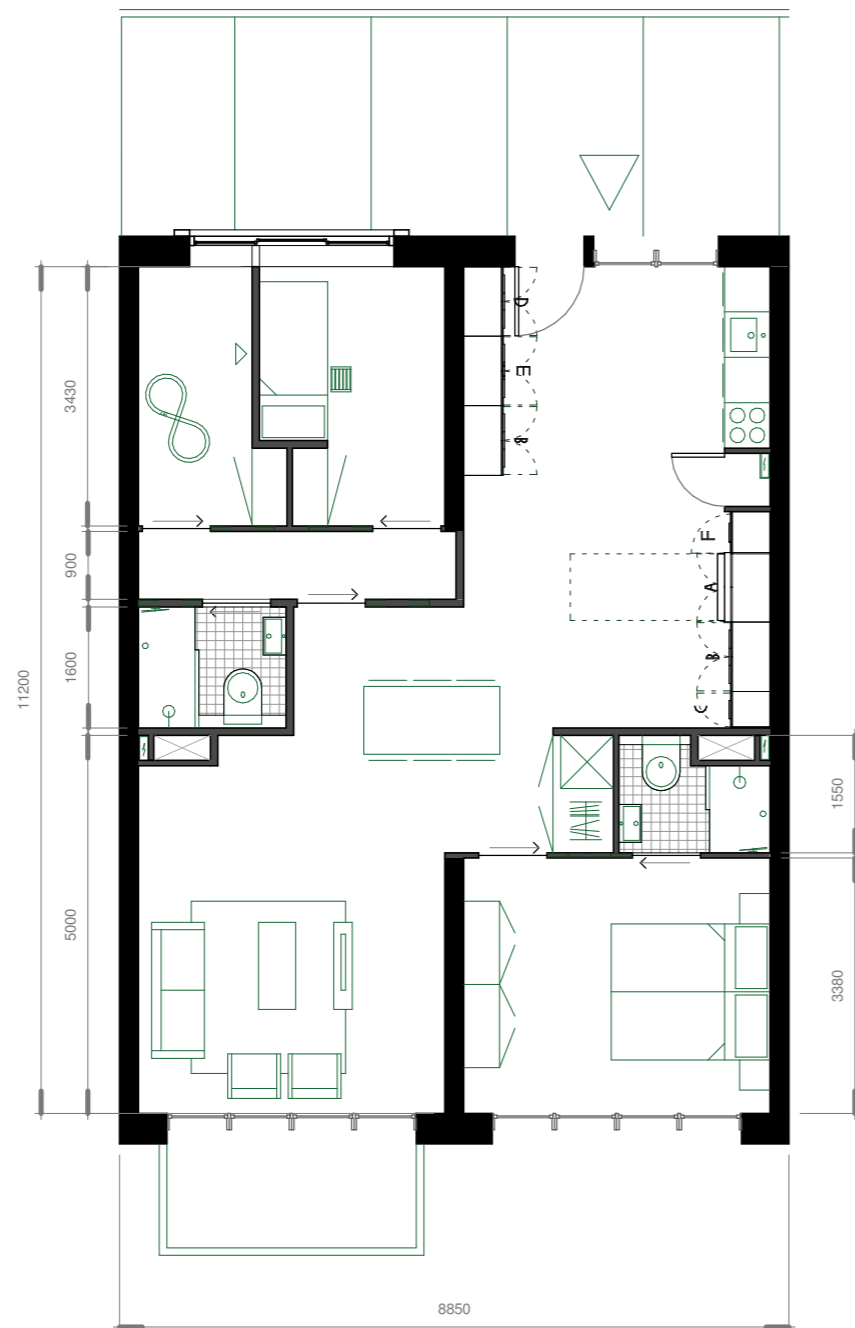
Dwelling

Strategy



Type B

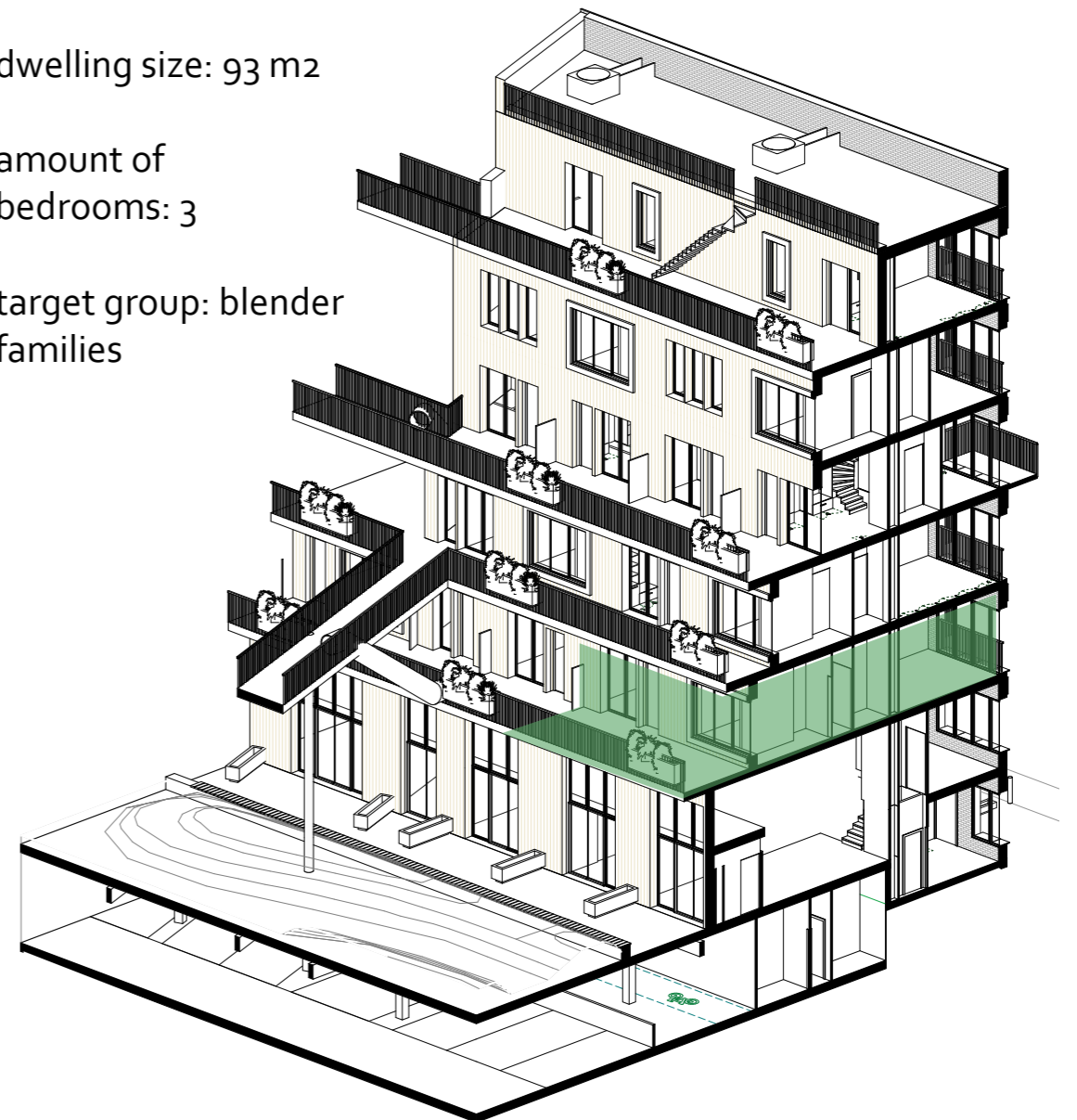
The diagonal dwelling



dwelling size: 93 m2

amount of bedrooms: 3

target group: blender families



Type B

The diagonal dwelling



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Type B

The diagonal dwelling



dwelling size: 93 m2

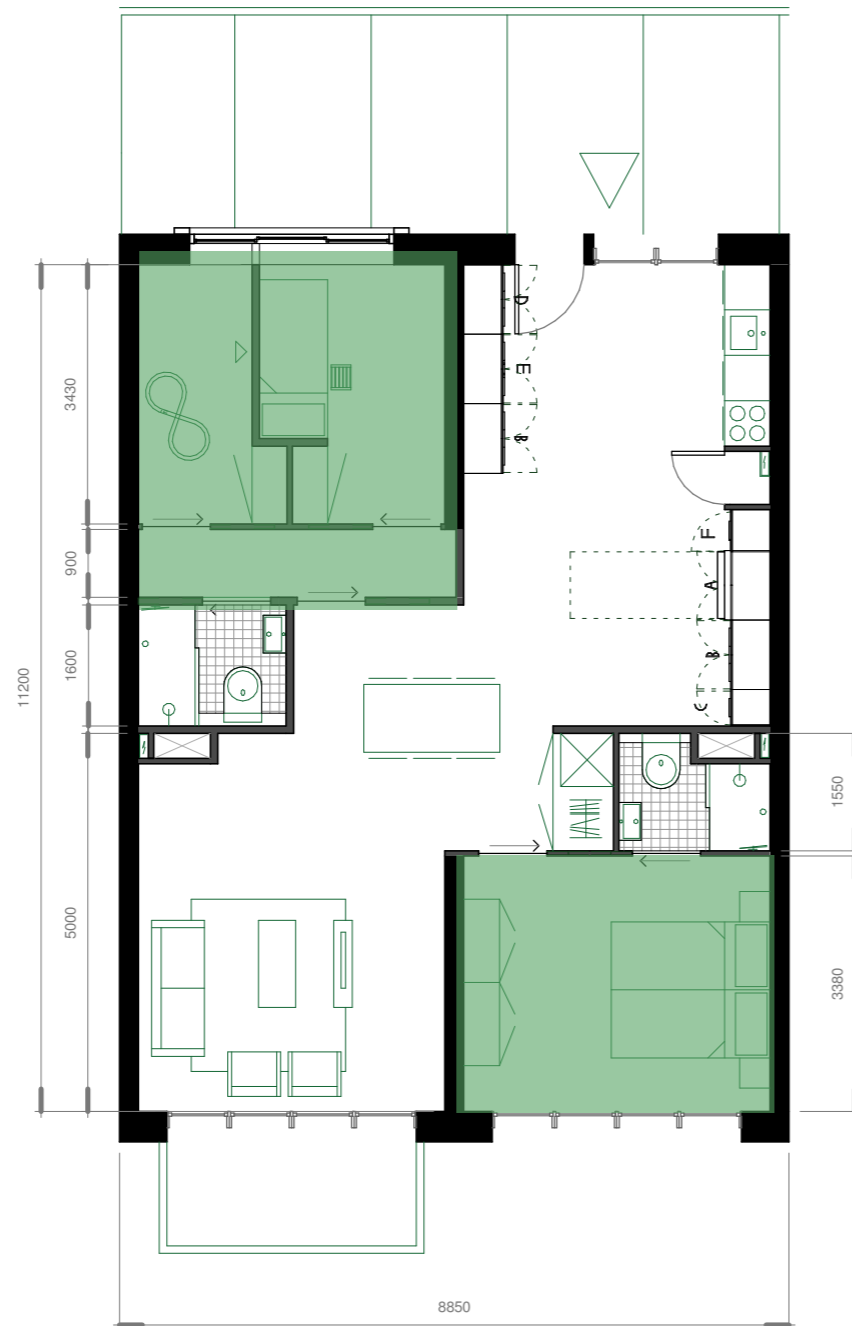
amount of bedrooms: 3

target group: blender families



Type B

The diagonal dwelling



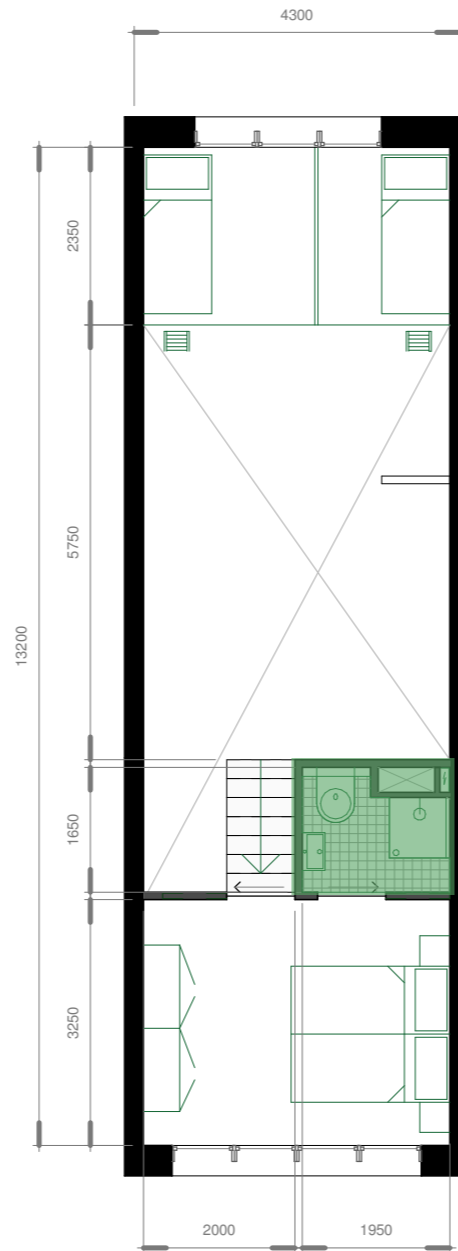
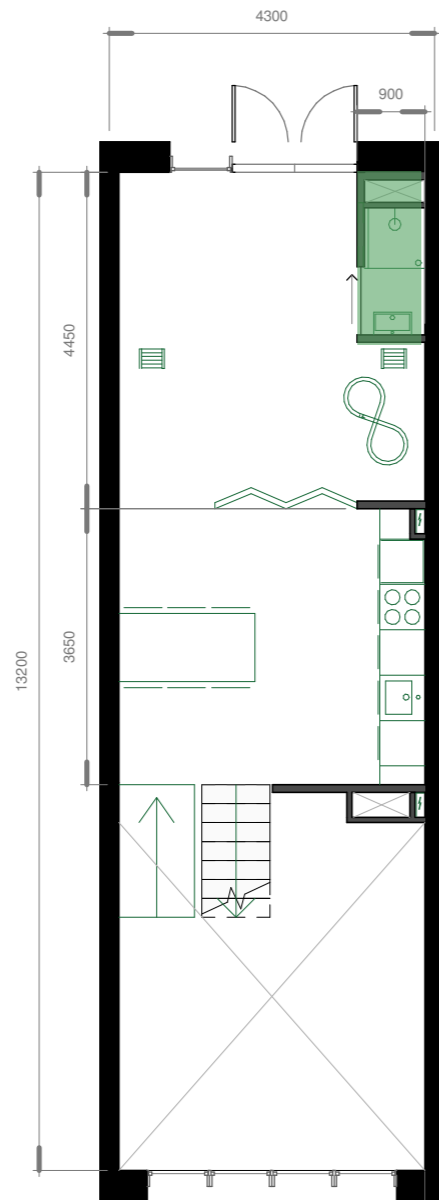
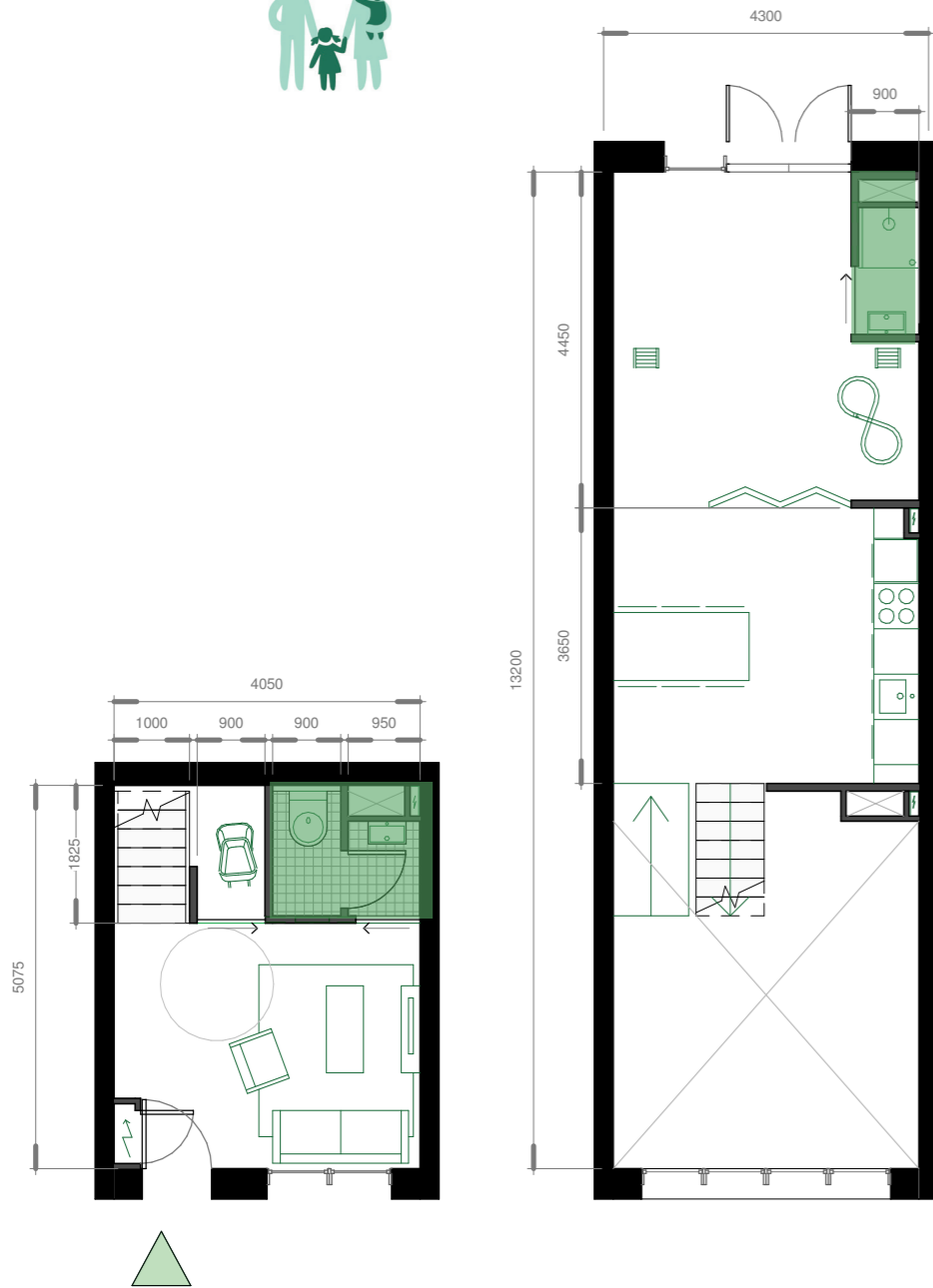
dwelling size: 93 m2

amount of bedrooms: 3

target group: blender families



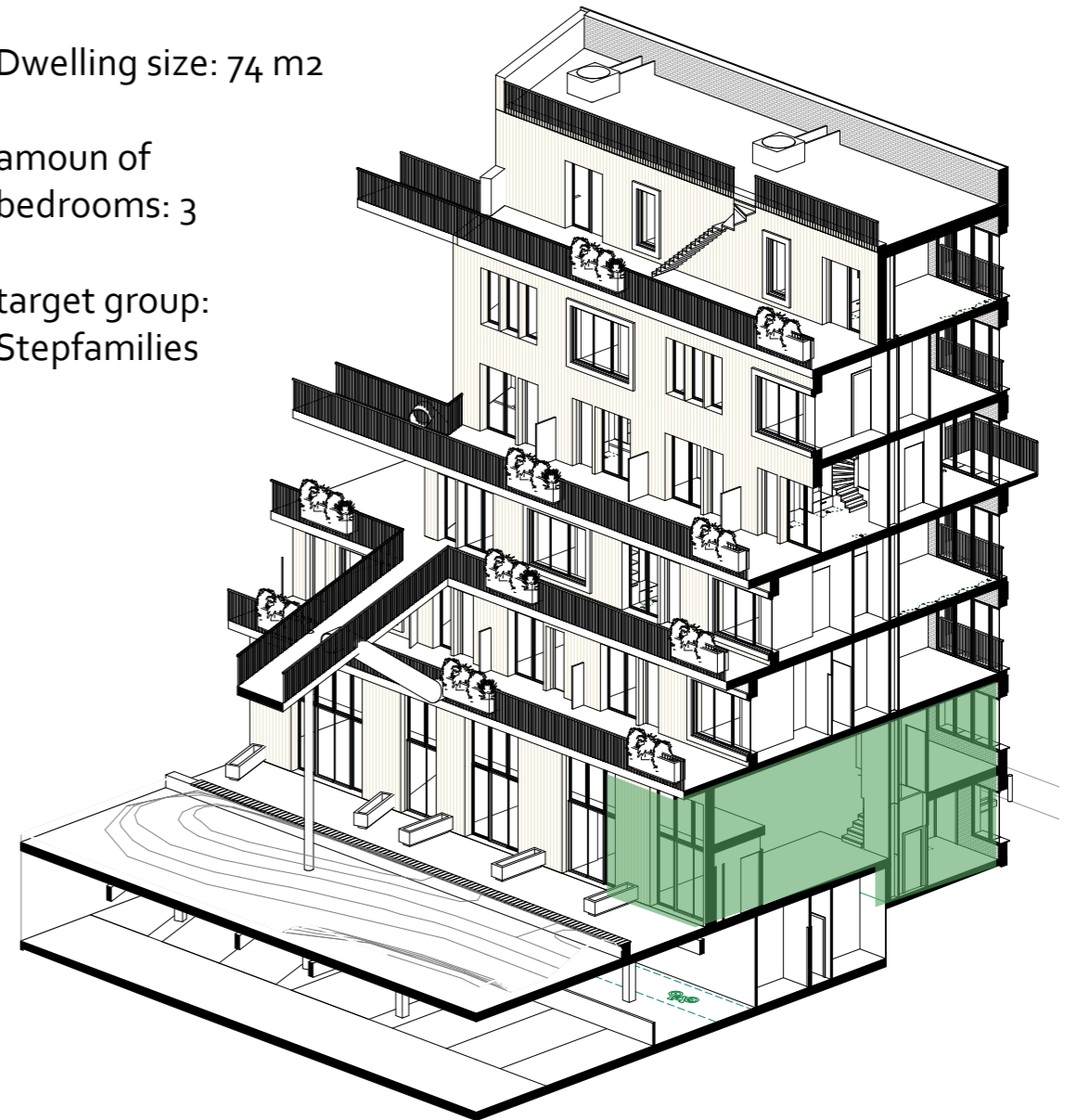
Type A
het split level



Dwelling size: 74 m²

amount of
bedrooms: 3

target group:
Stepfamilies



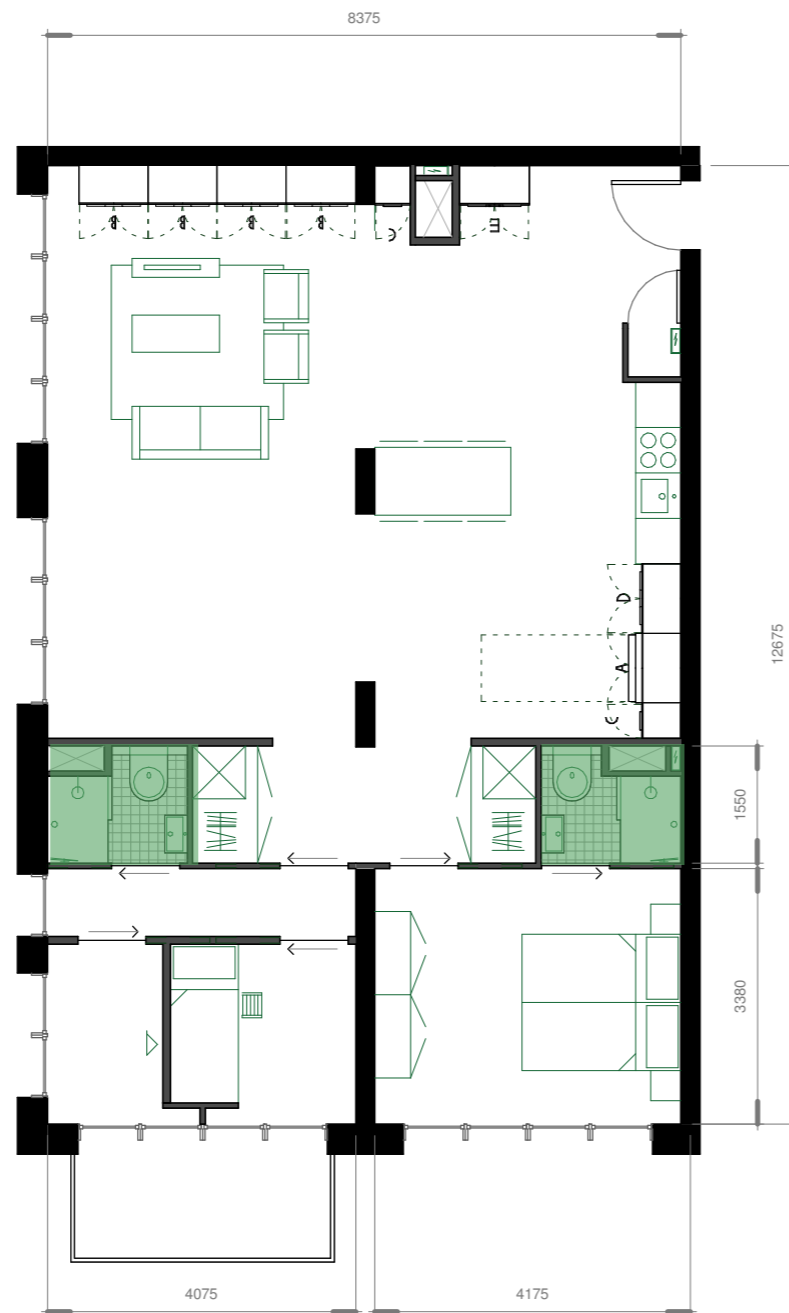
Type G

The growing dwelling

Dwelling size: 106 m²

amount of bedrooms: 3-5

target group: blender families



Type H

The growing dwelling

Dwelling size: 106 m²

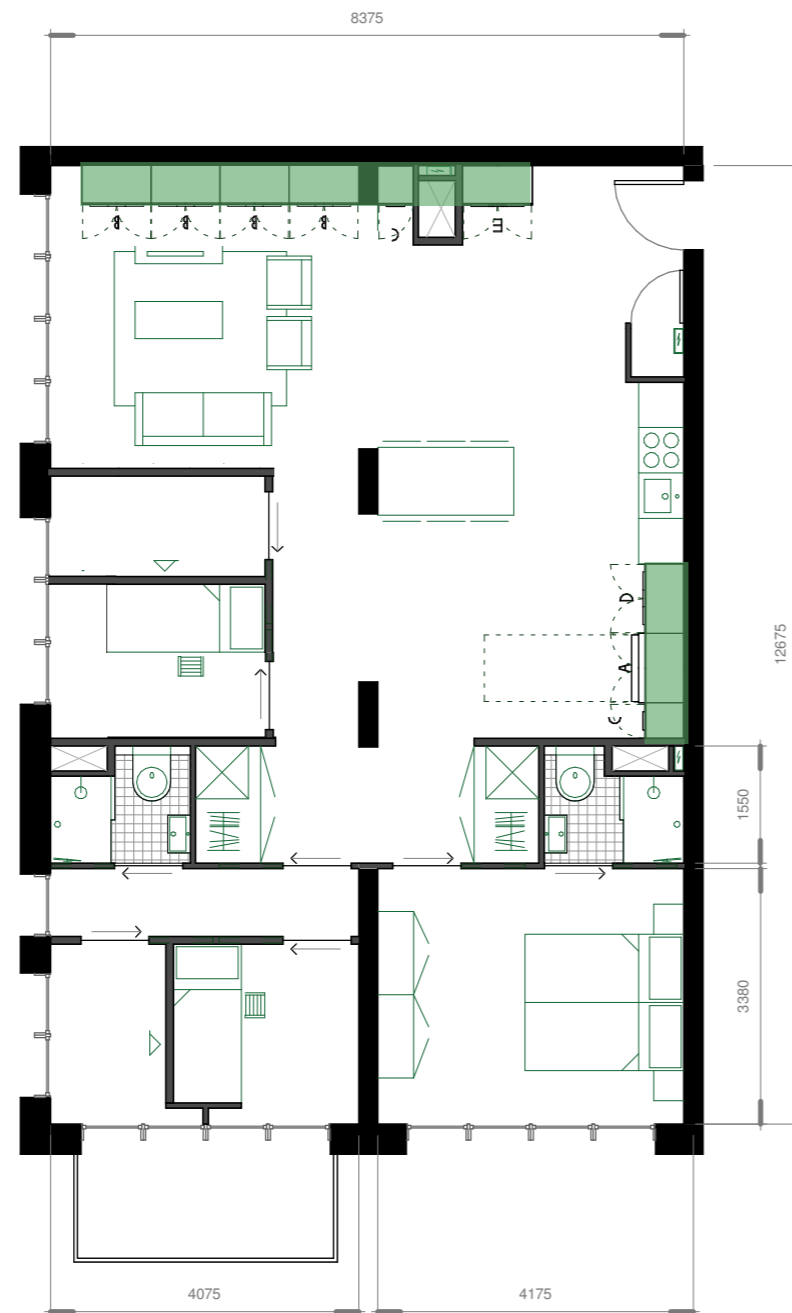
amount of bedrooms: 3-5

target group: blender families



Type H

The growing dwelling

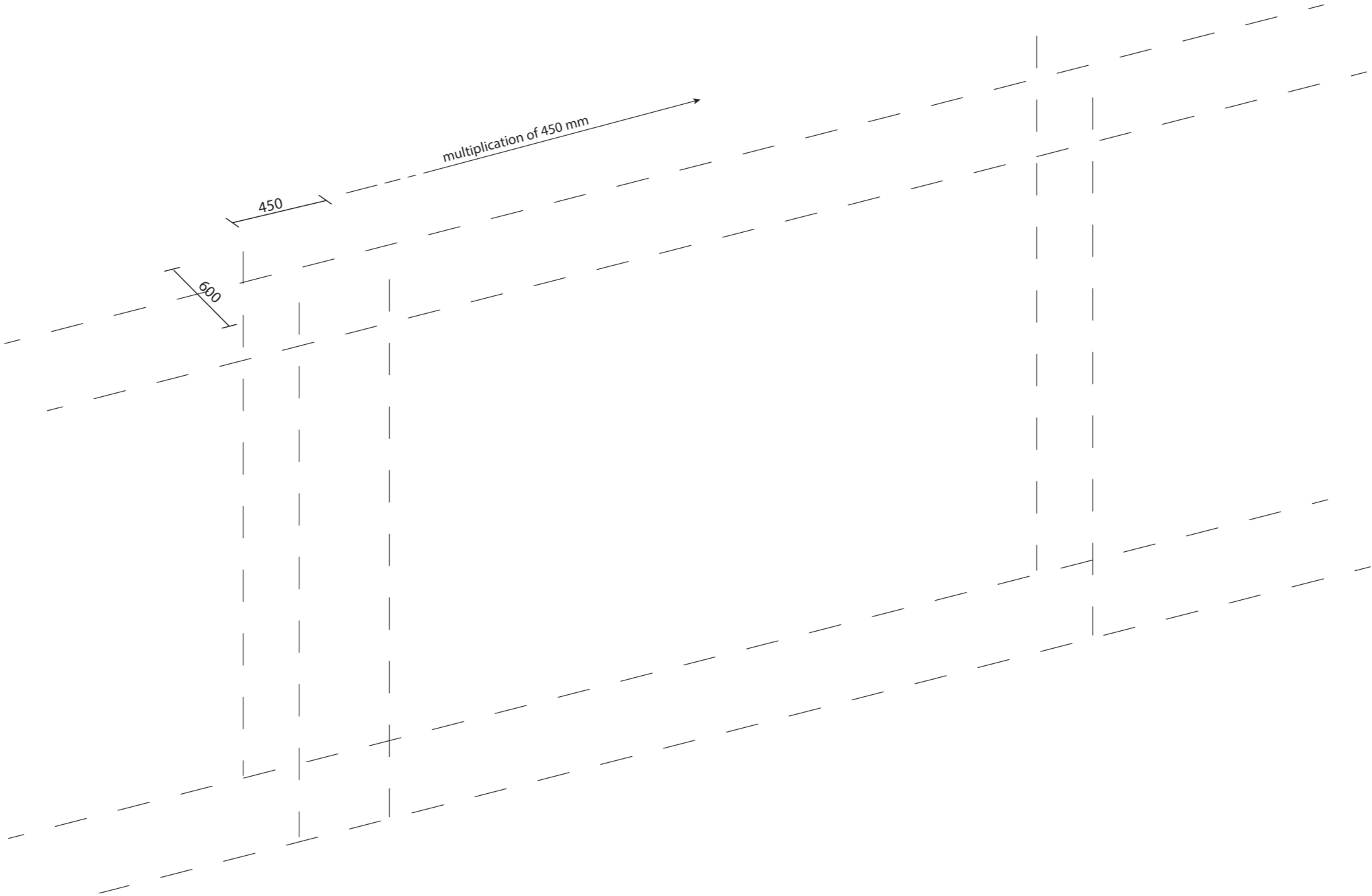


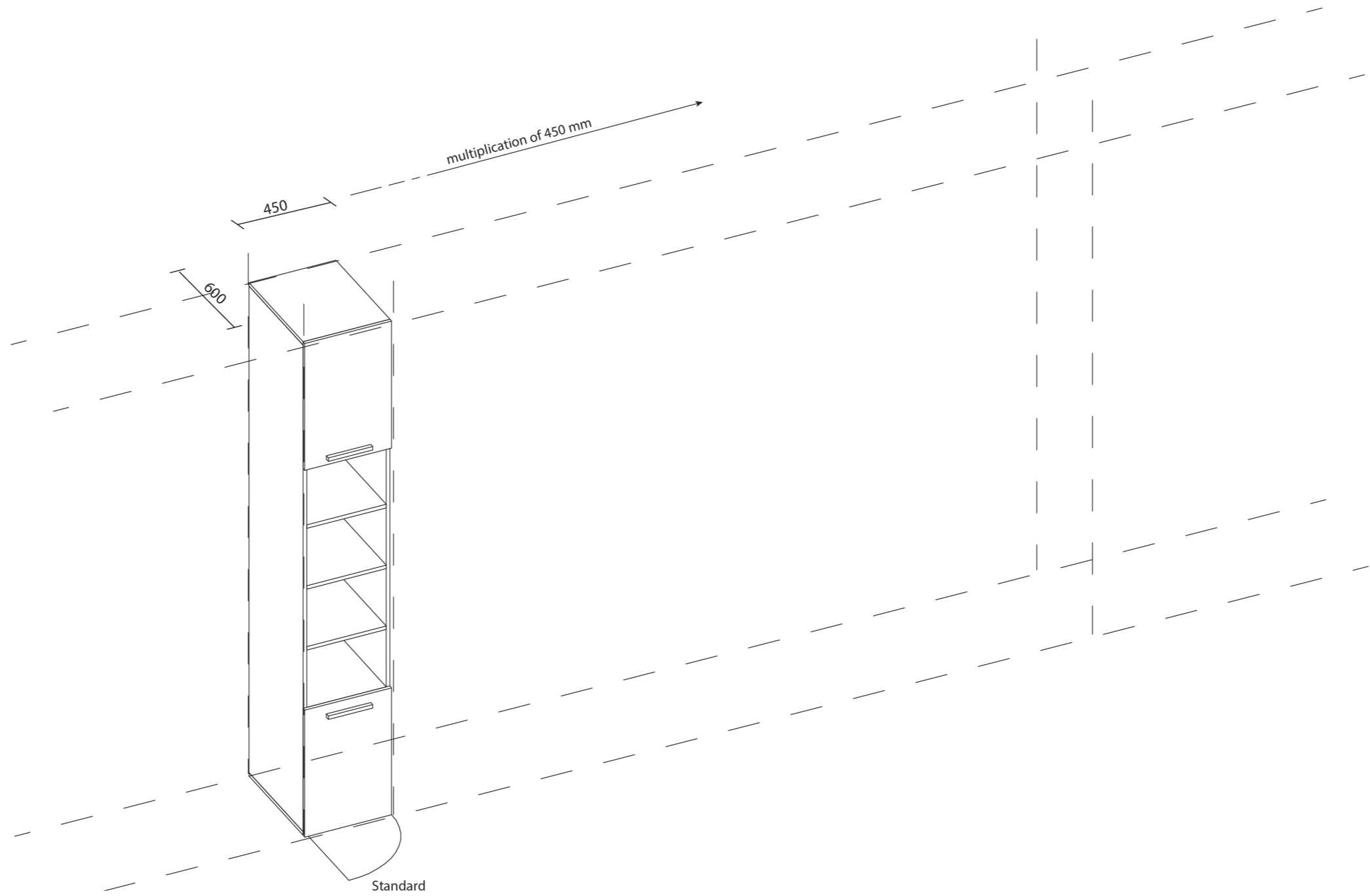
Dwelling size: 106 m²

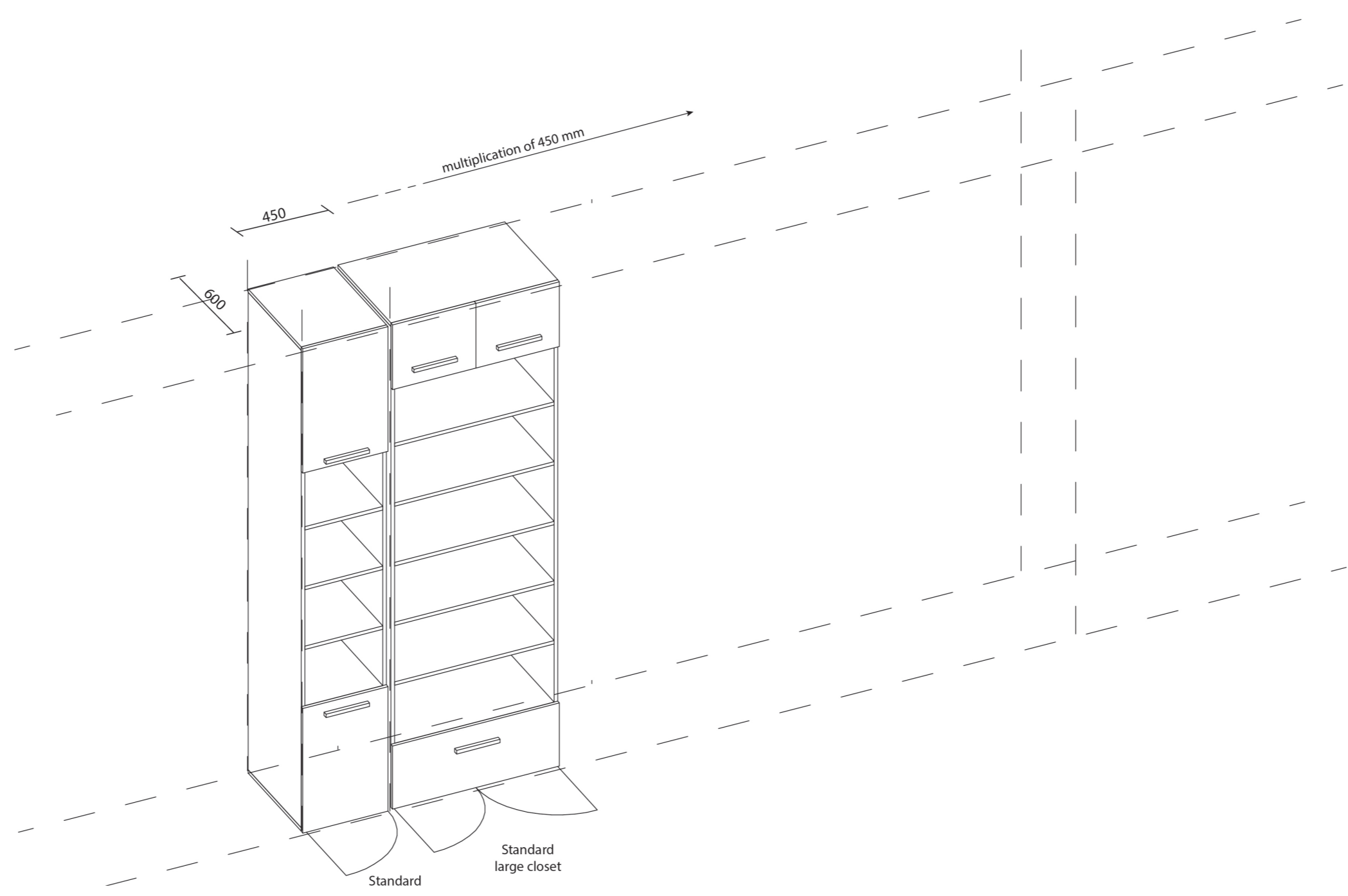
amount of bedrooms: 3-5

target group: blender families

Storage

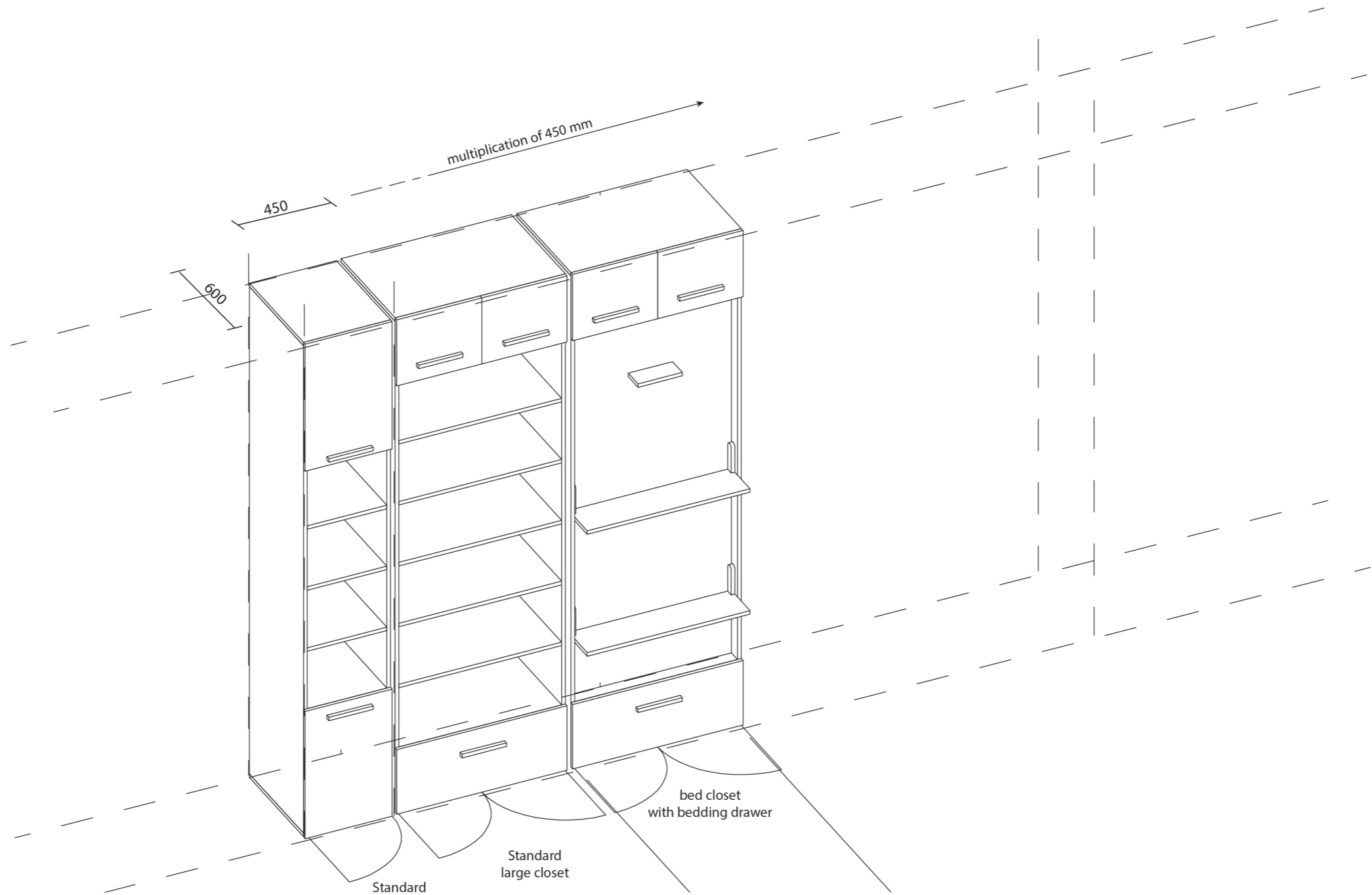


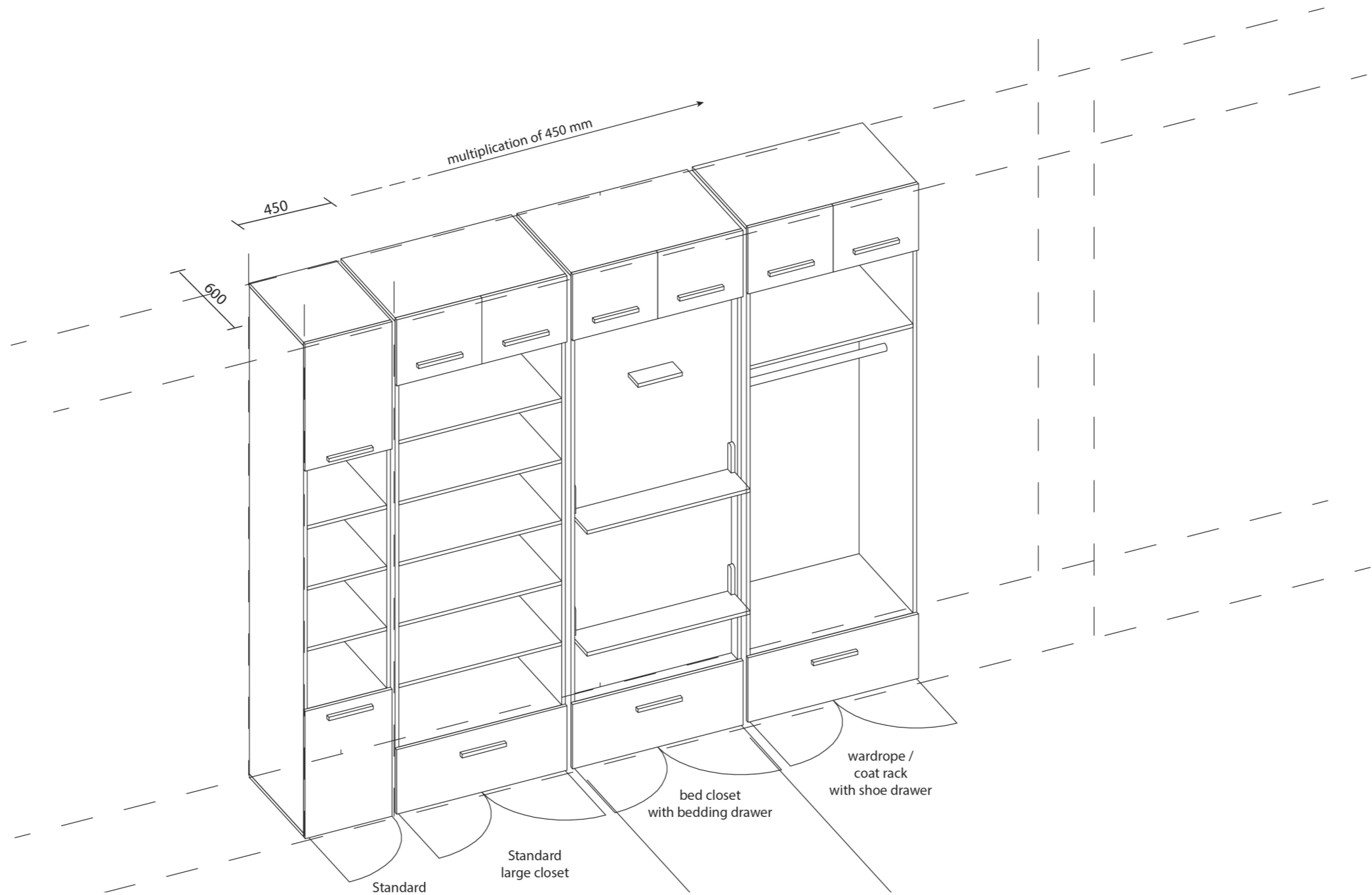


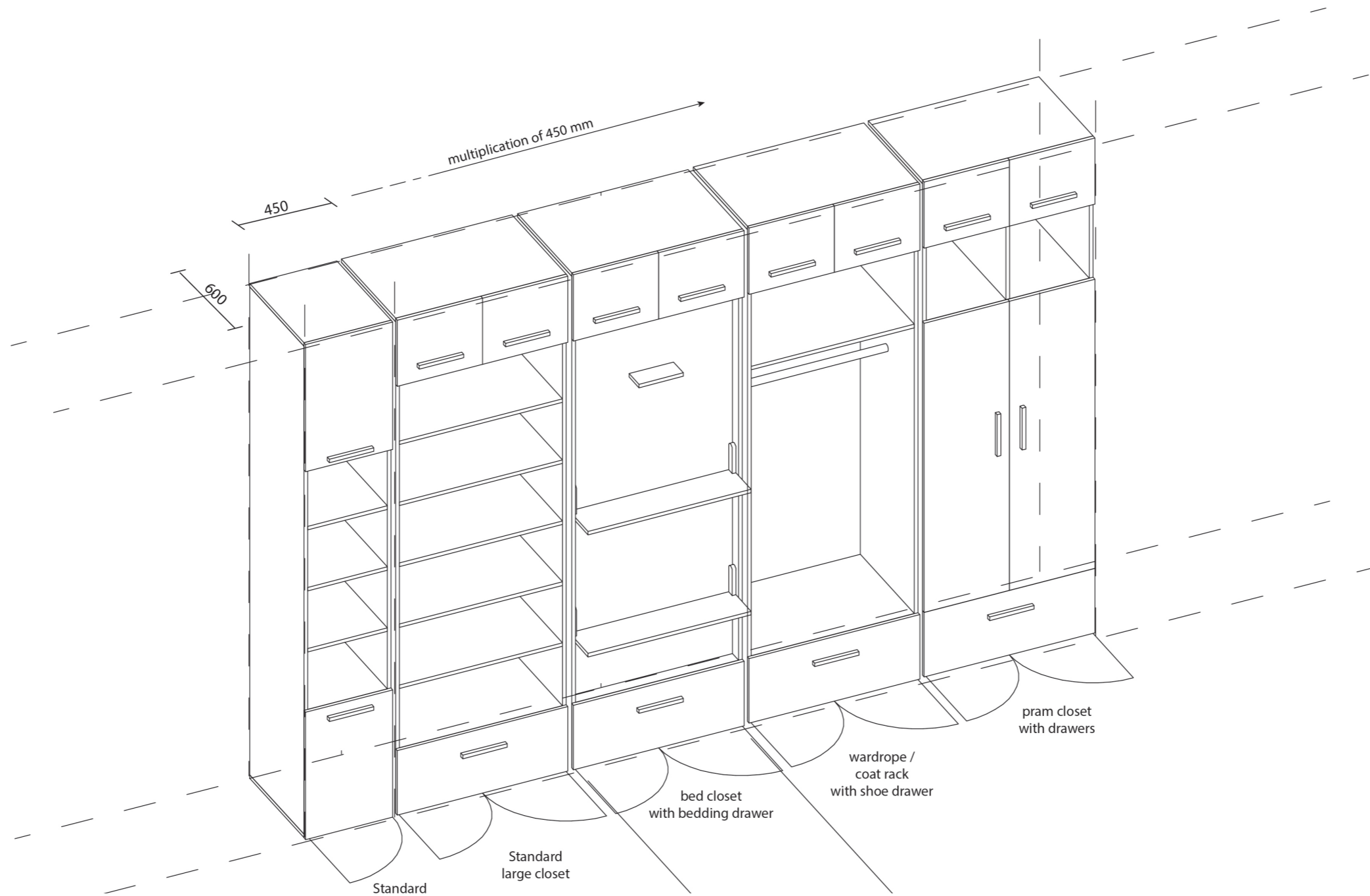


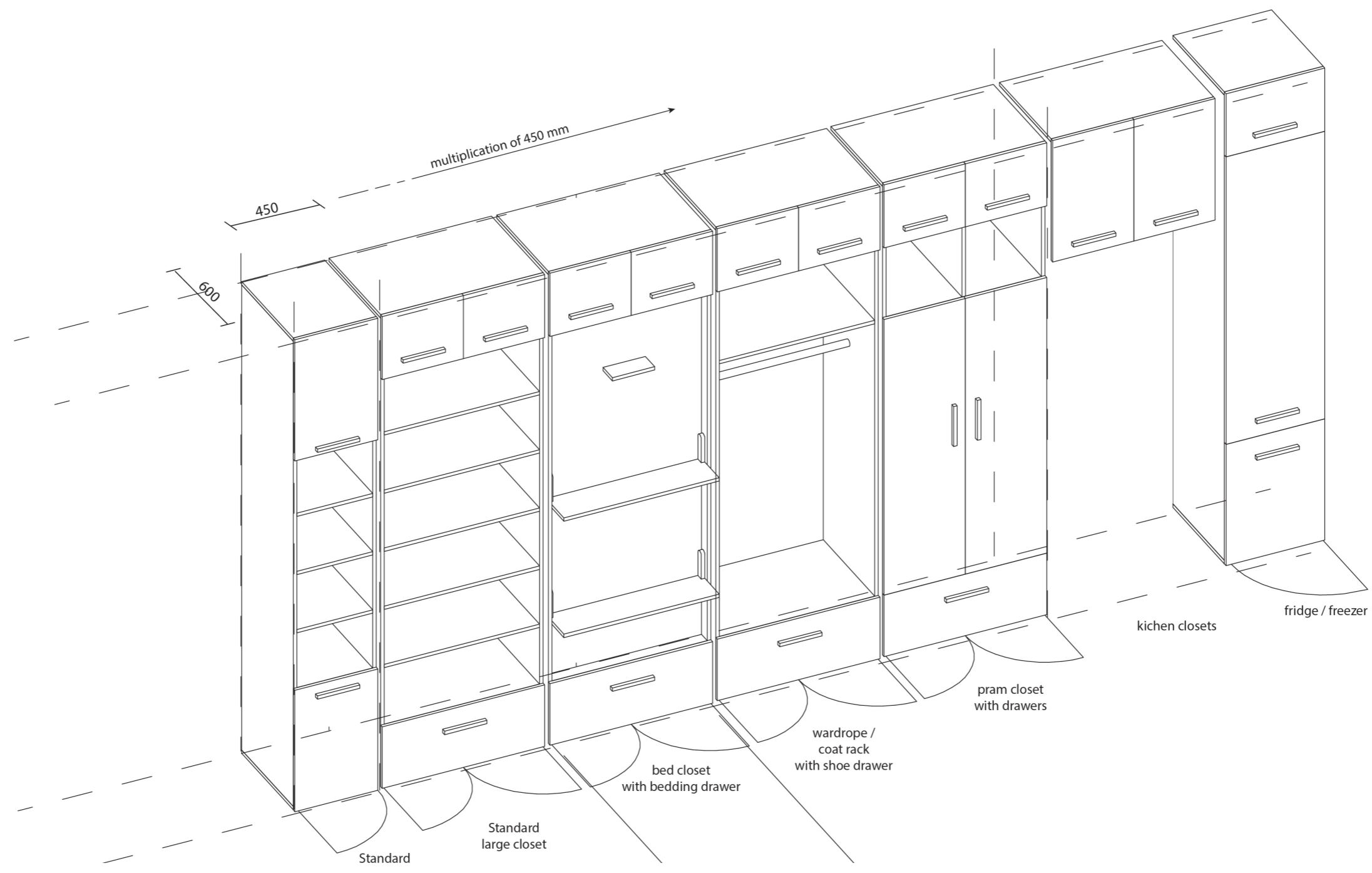
Standard

Standard
large closet

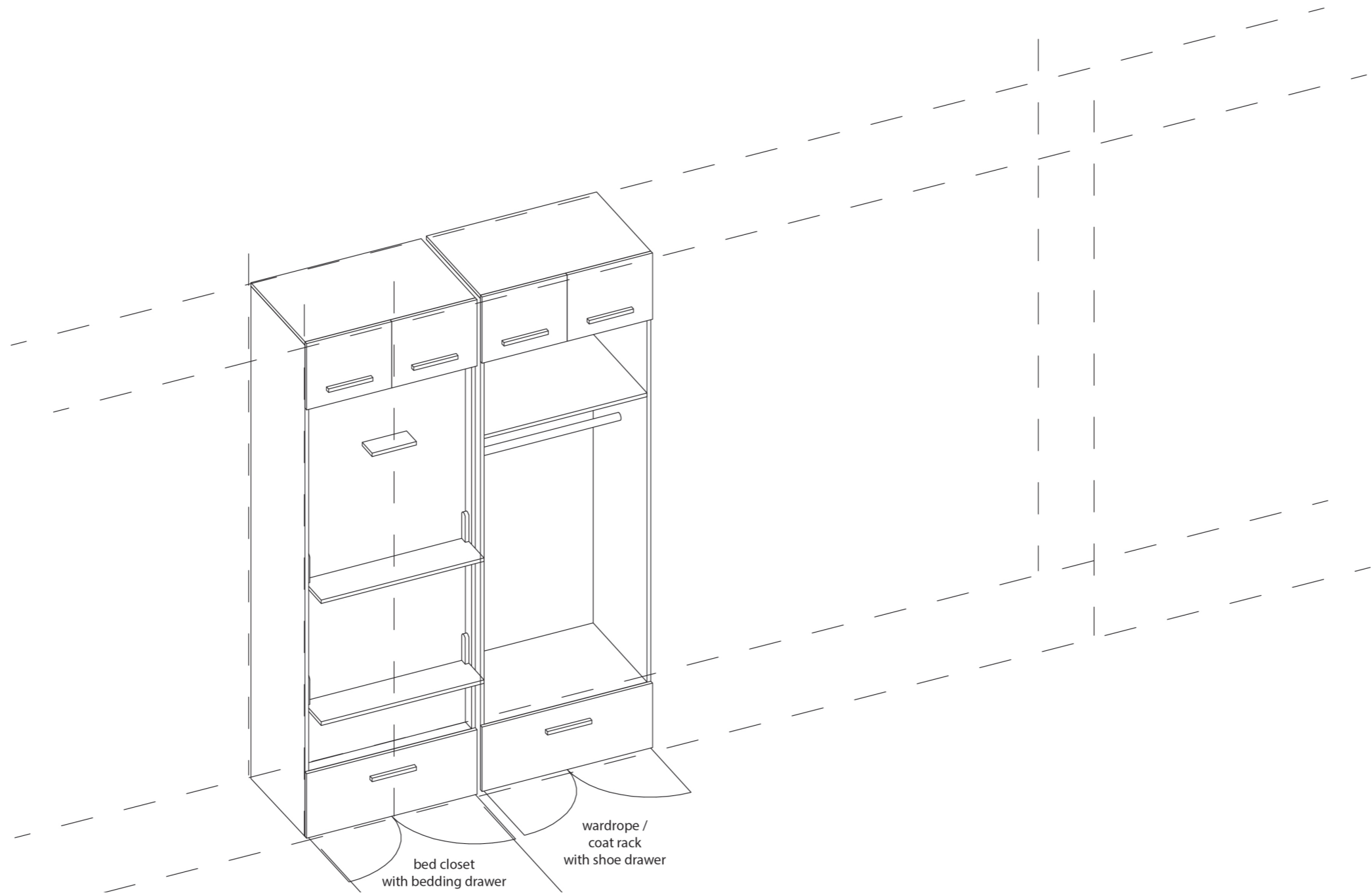




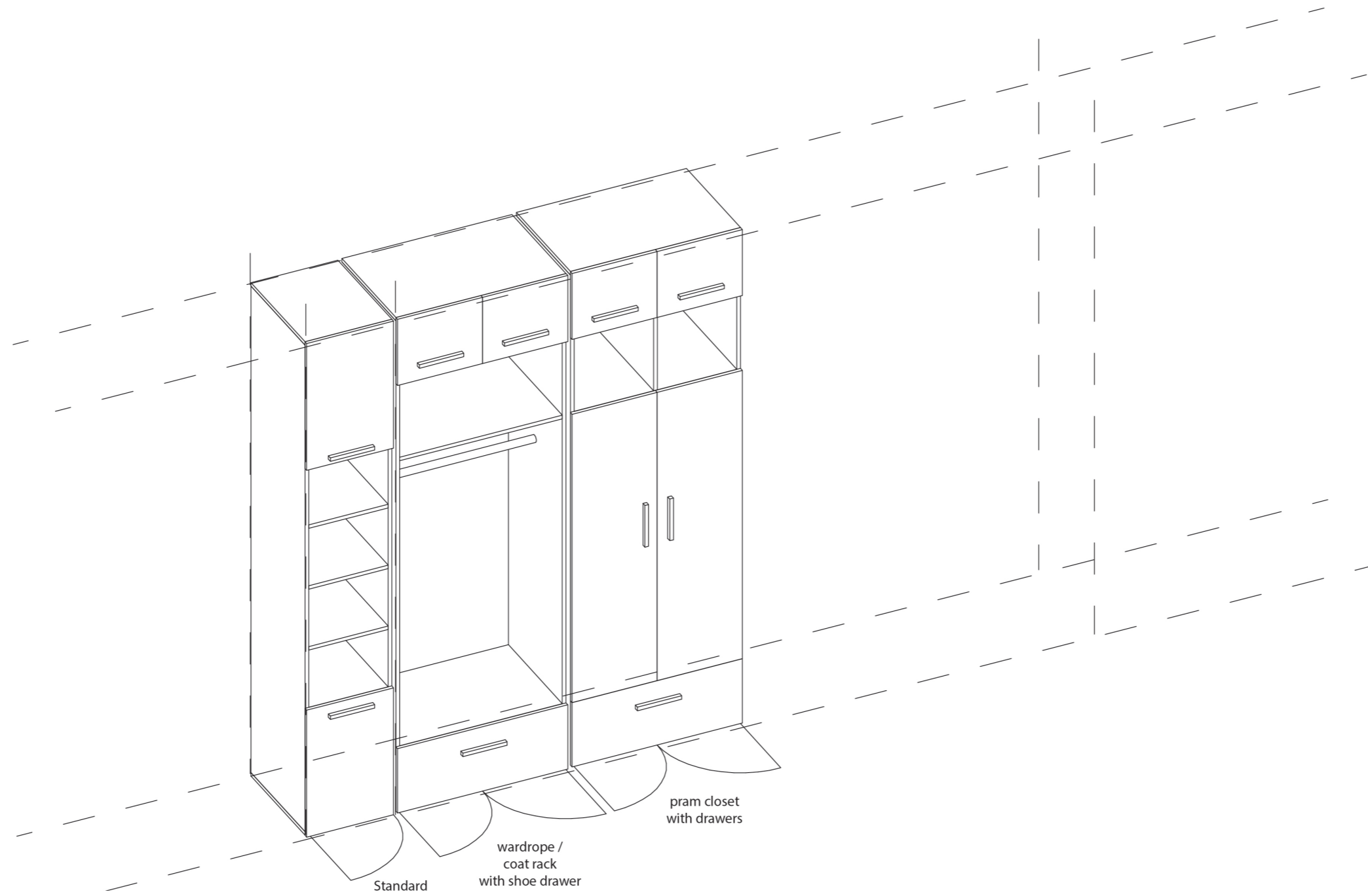




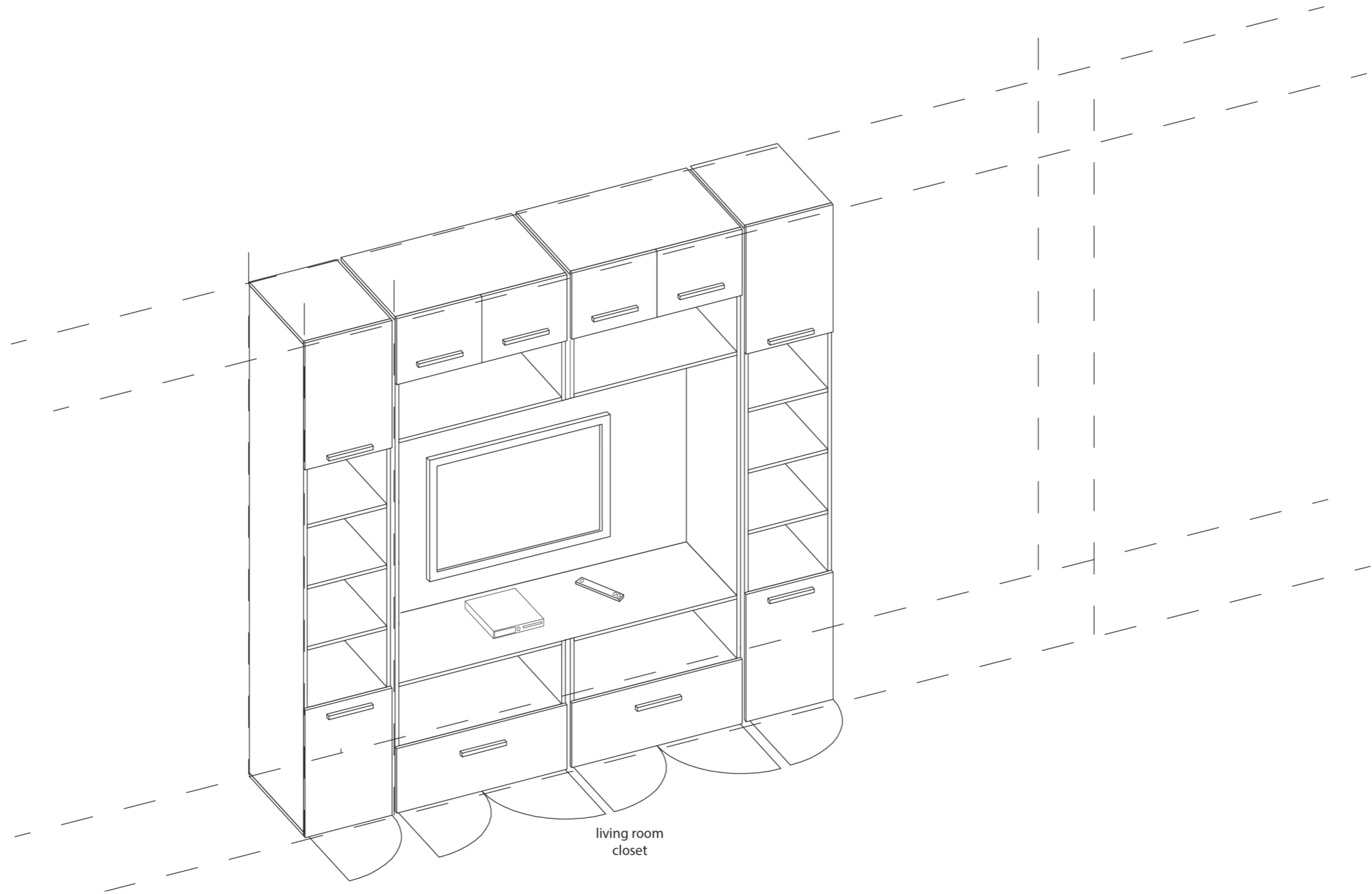
Visitor closet



hallway closet



living room closet



living room closet

Gallery

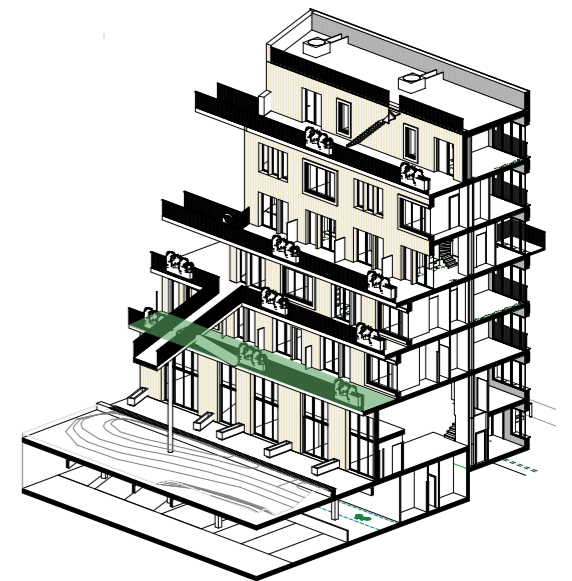
de gallery



Level 2

7-15 dwellings

15-40 children



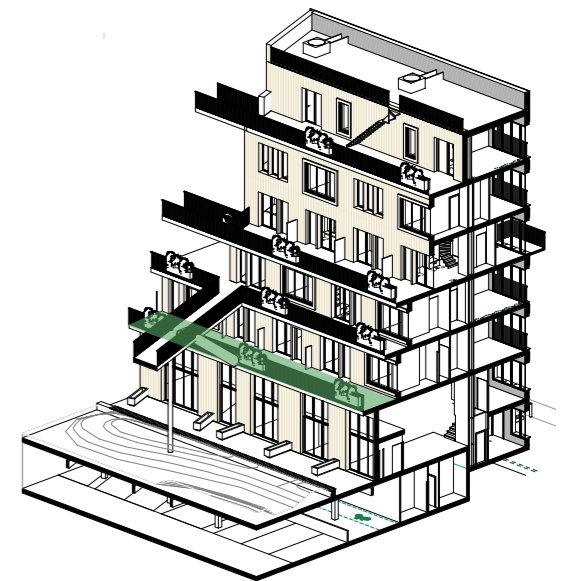
de gallery



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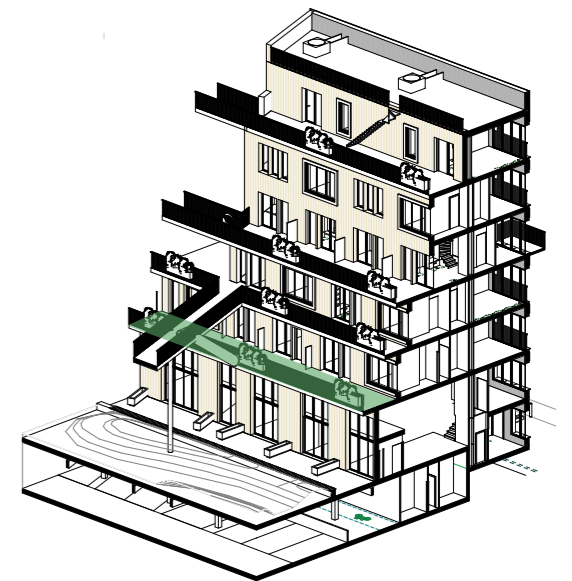
de gallery

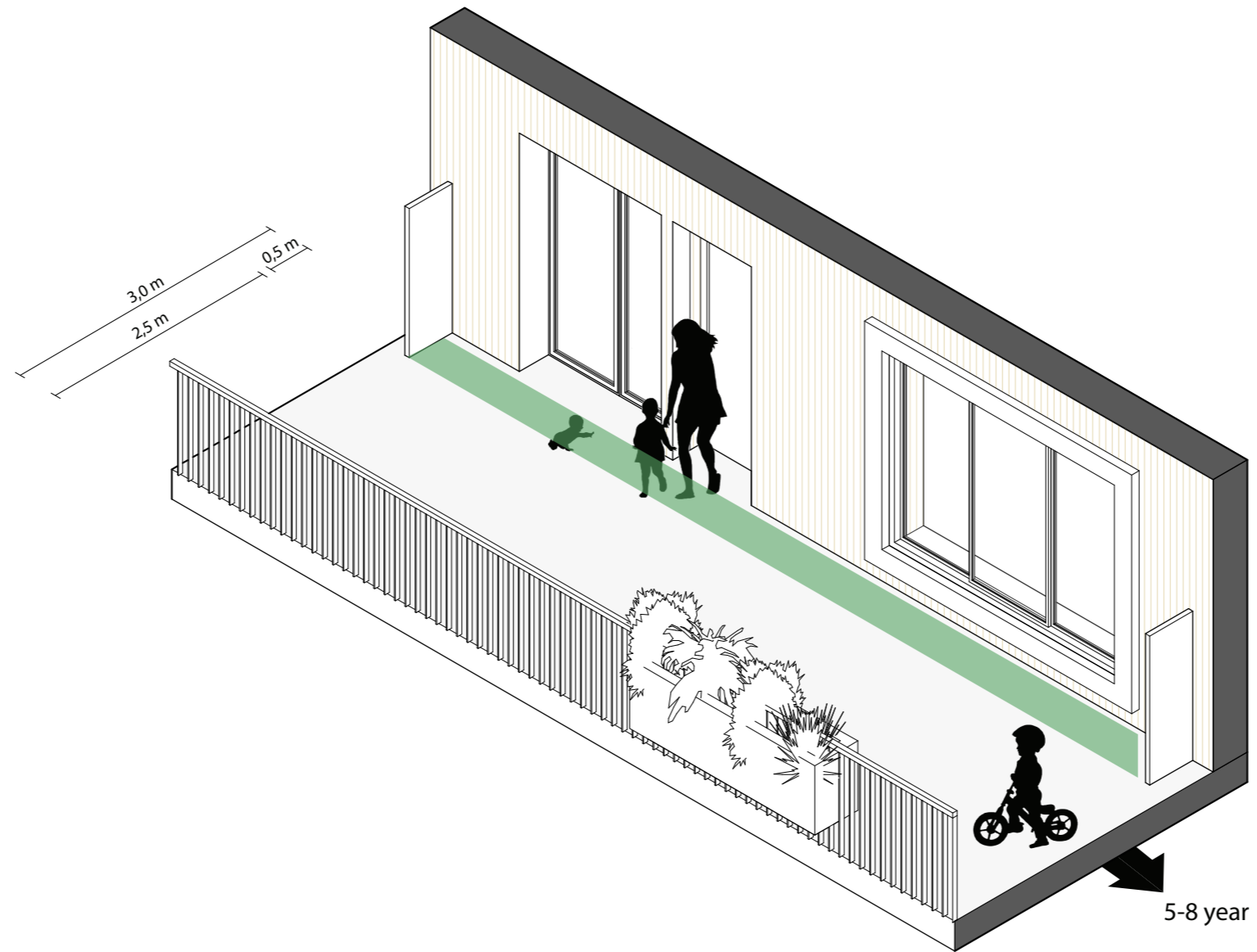


Level 2

7-15 dwellings

15-40 children





group:
child age: 1-5

- play inside a safe
environment

- children of 2-3 start to
make friends



Sub block

Sub block

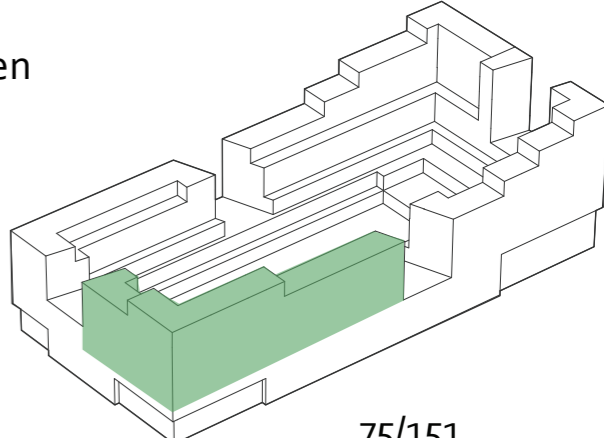


+ - 40 dwellings

+ - 88 children



Level 2



Sub block

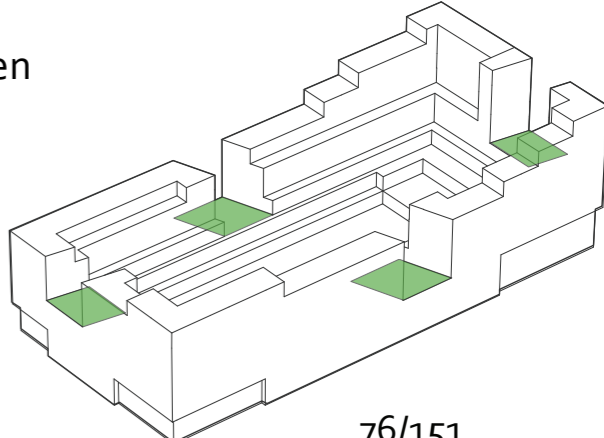


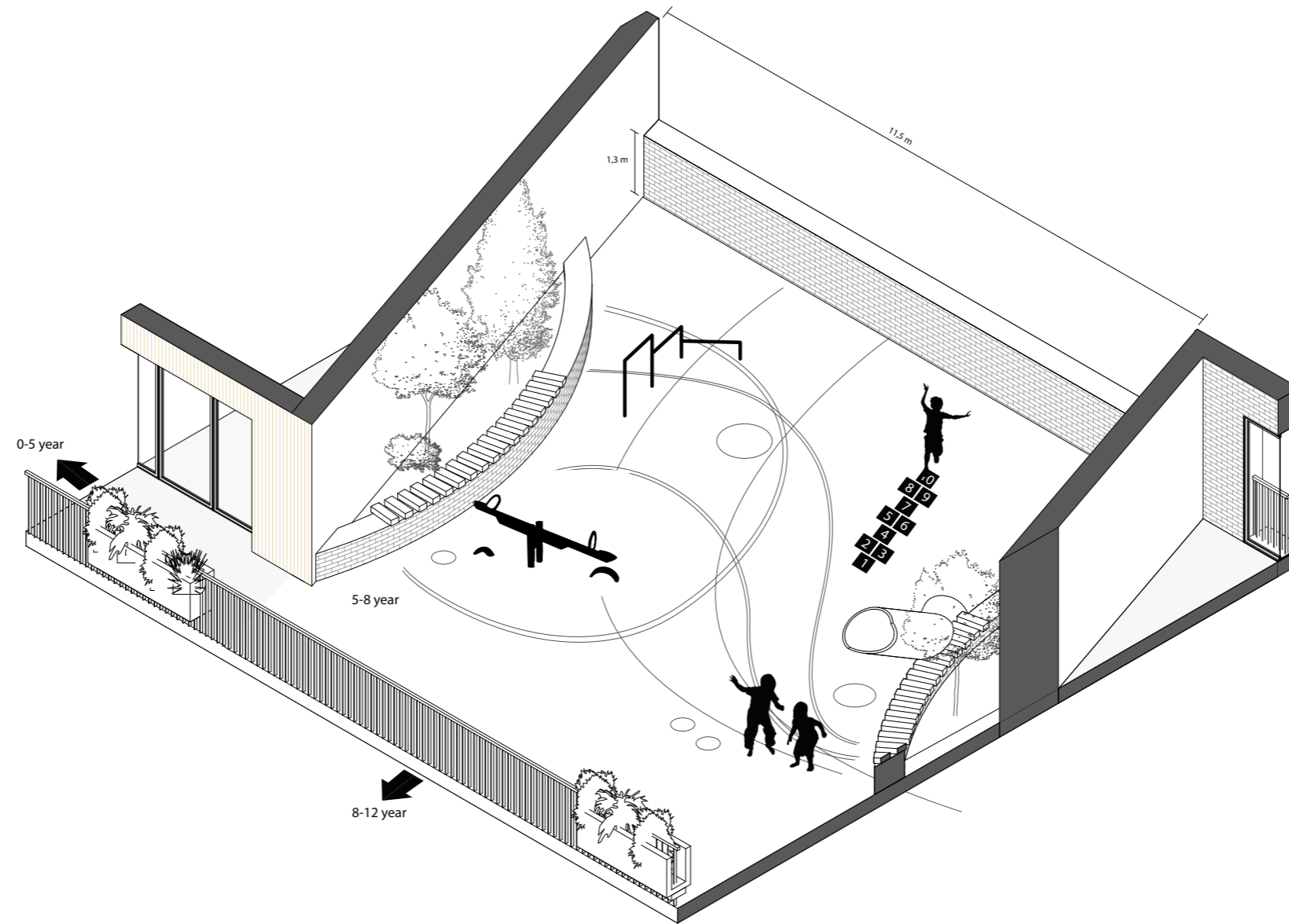
+ - 40 dwellings

+ - 88 children



Level 2





group:
child age: 5-8

- play close to the
dwelling

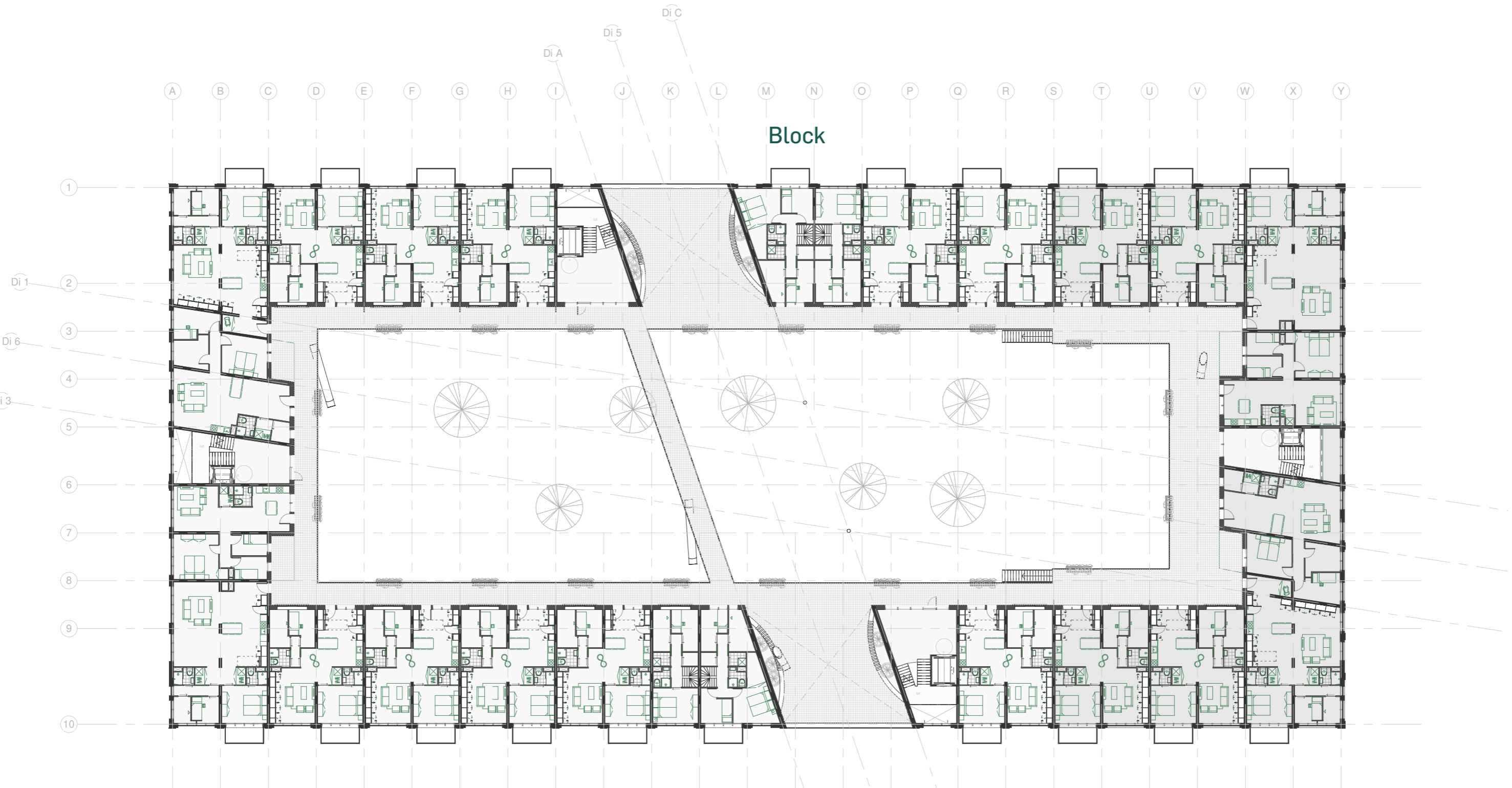
- not in direct sight of the
parents

- need of a mix in
playground types



WESTHOLM

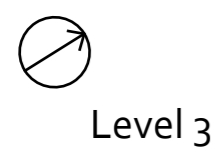
Block



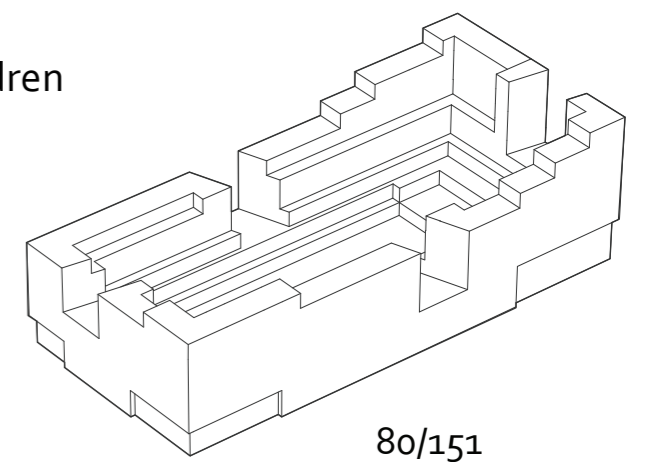
Block

153 dwellings

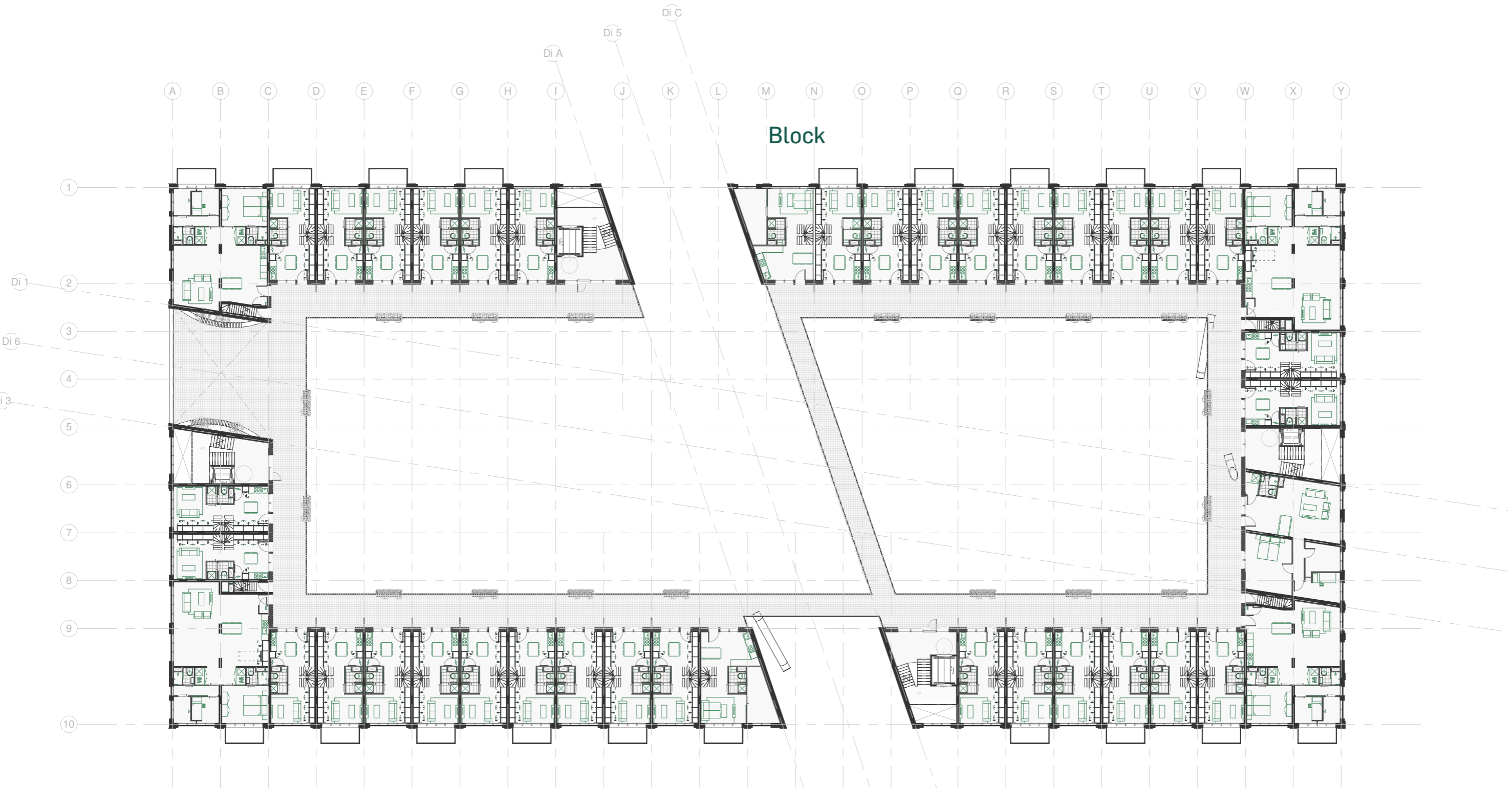
+ - 330 children



Level 3



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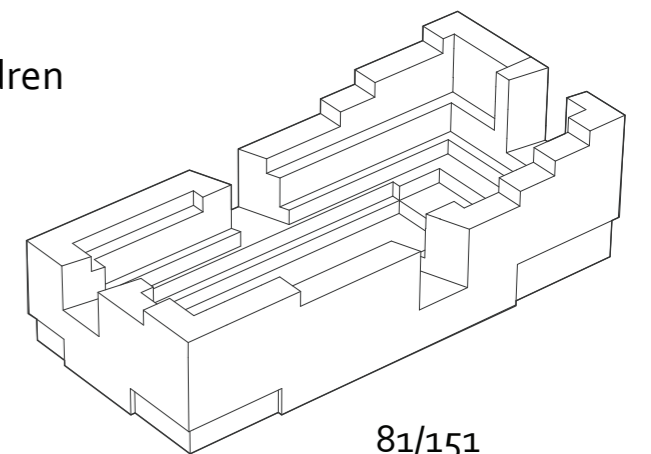
Block

153 dwellings

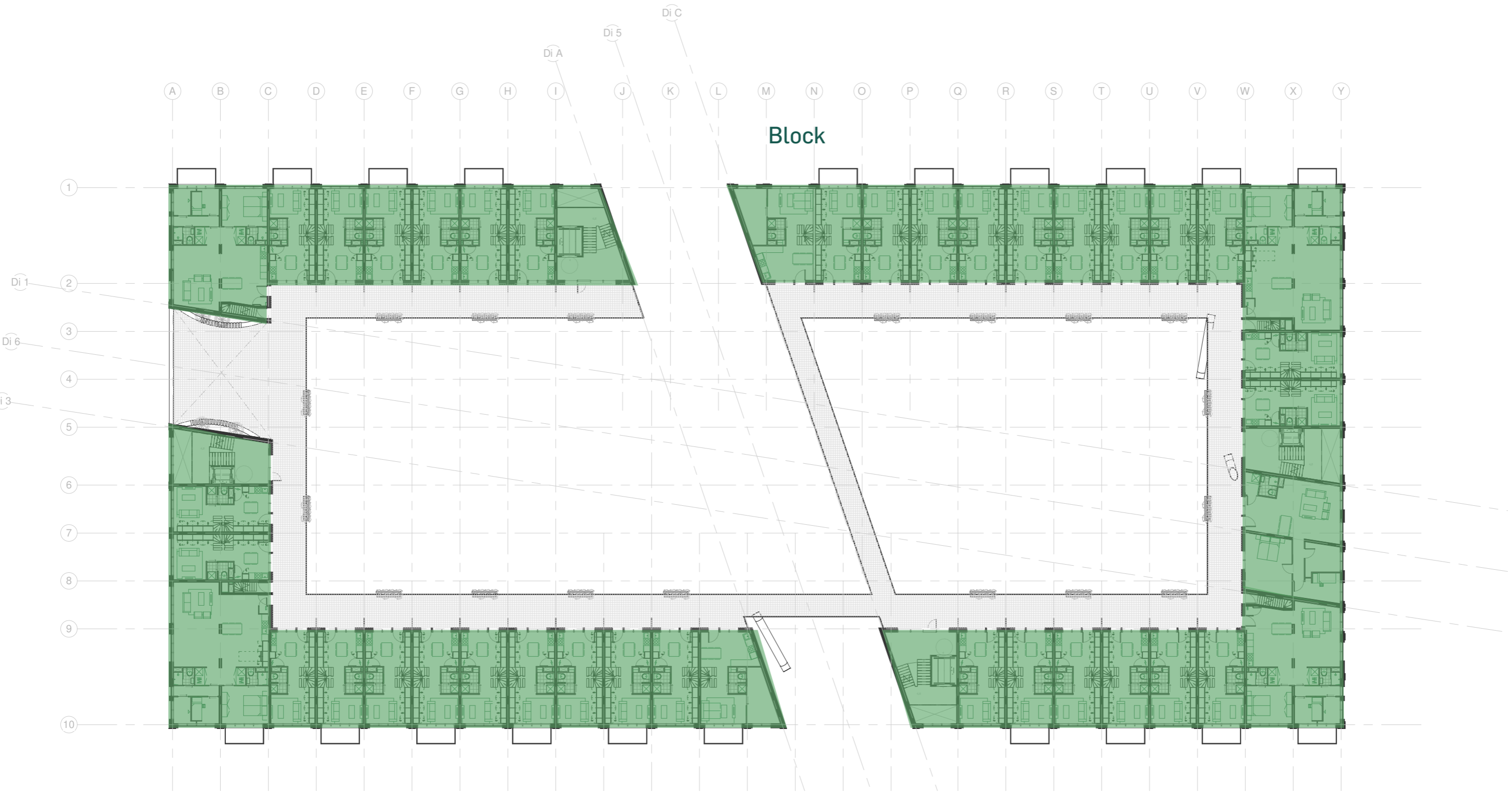
+ - 330 children



Level 4



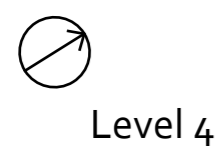
81/151



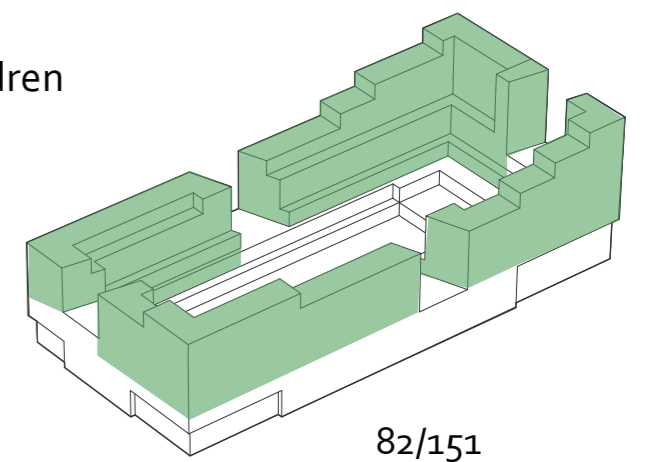
Block

153 dwellings

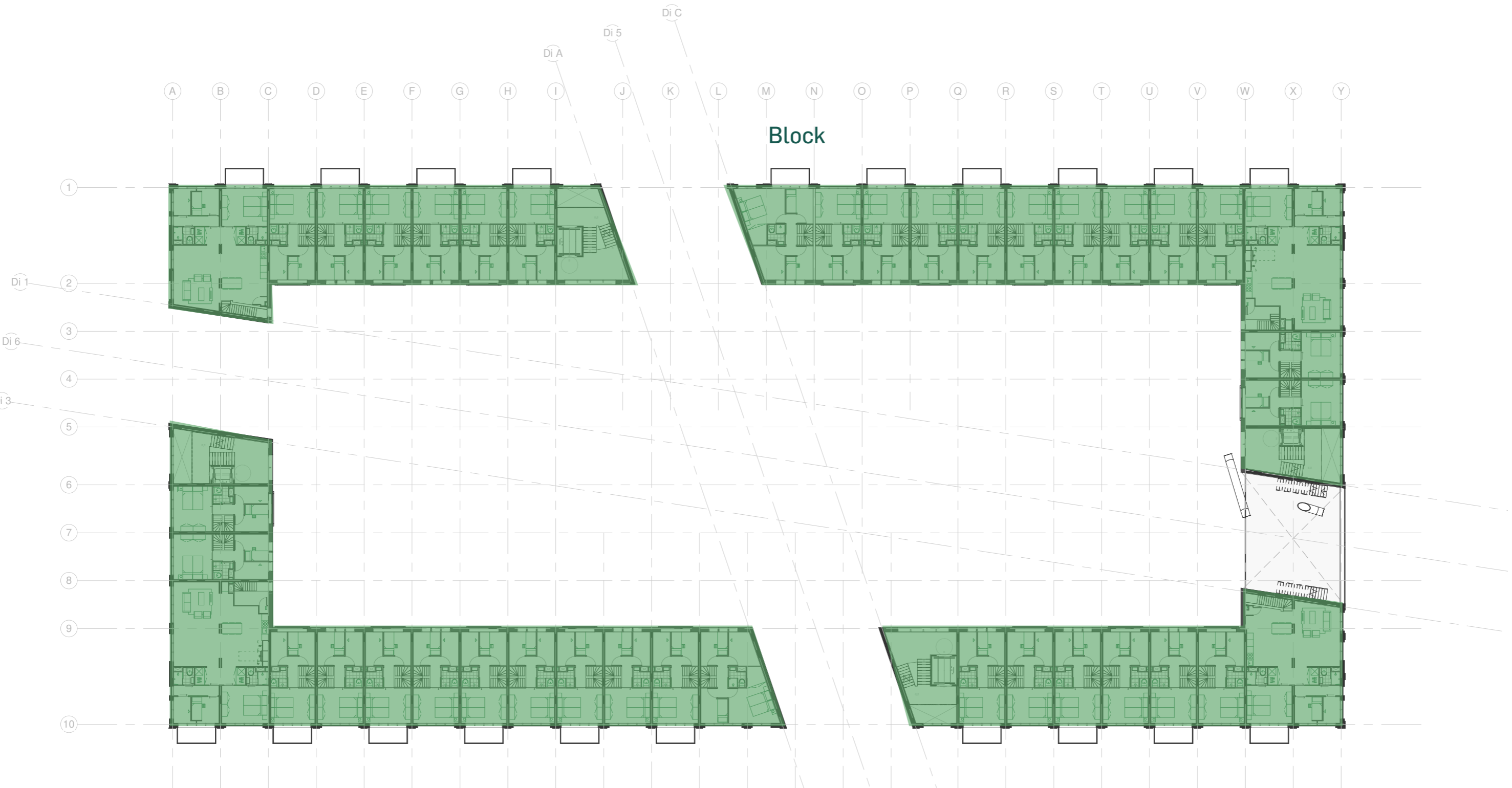
+ - 330 children



Level 4

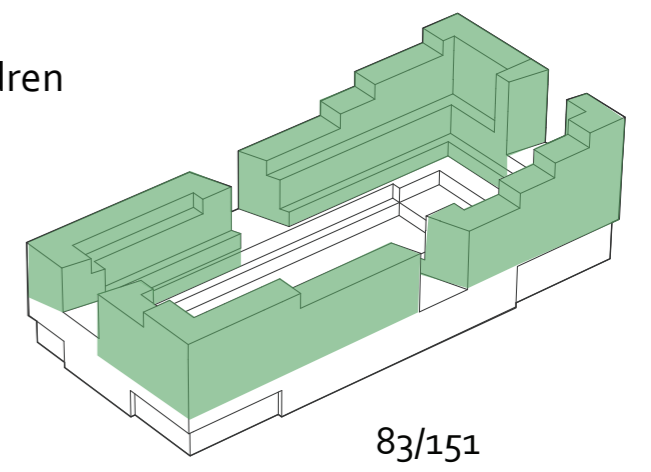
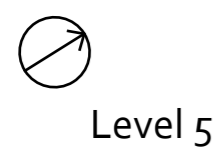


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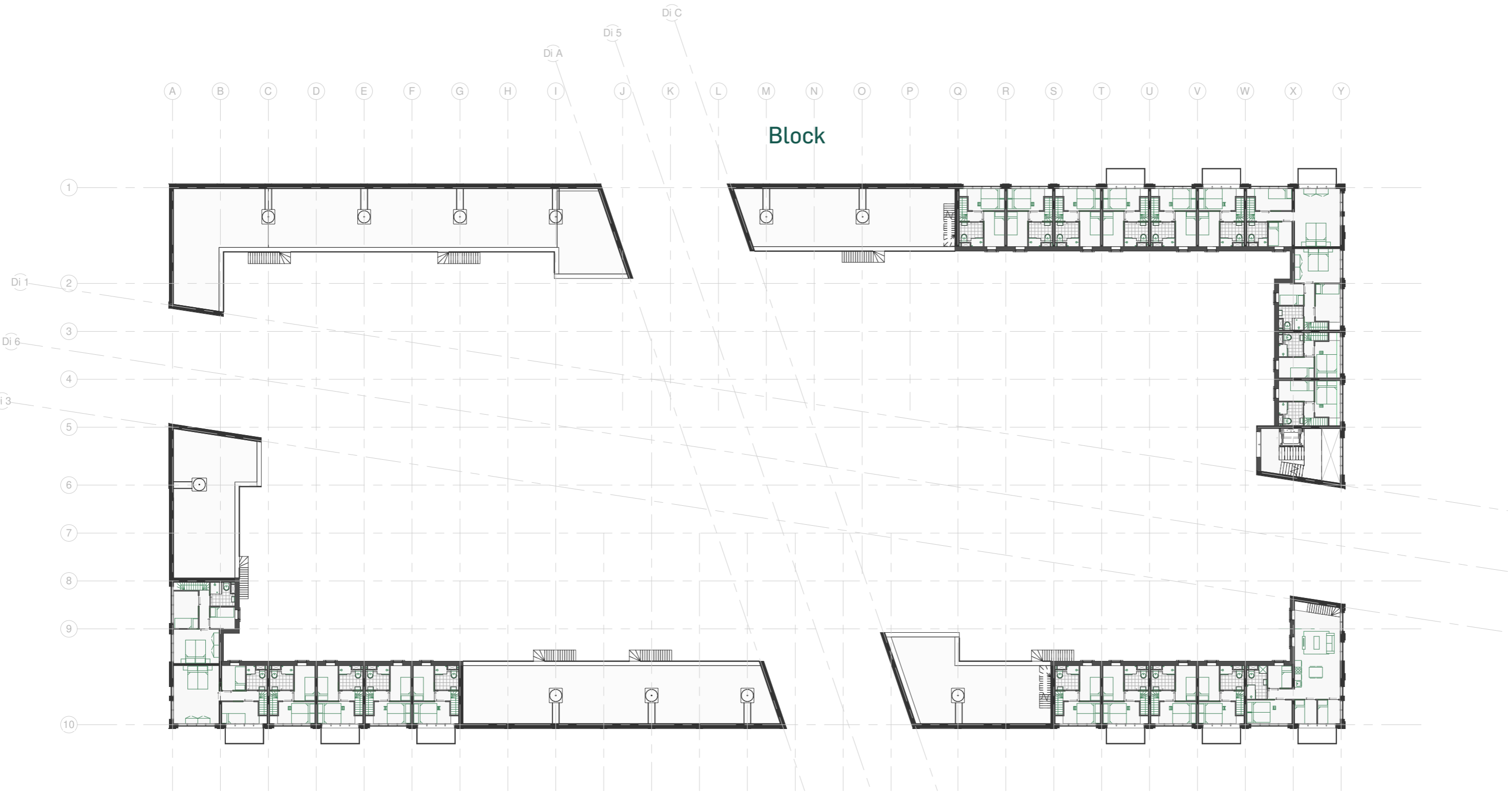
153 dwellings

+ - 330 children

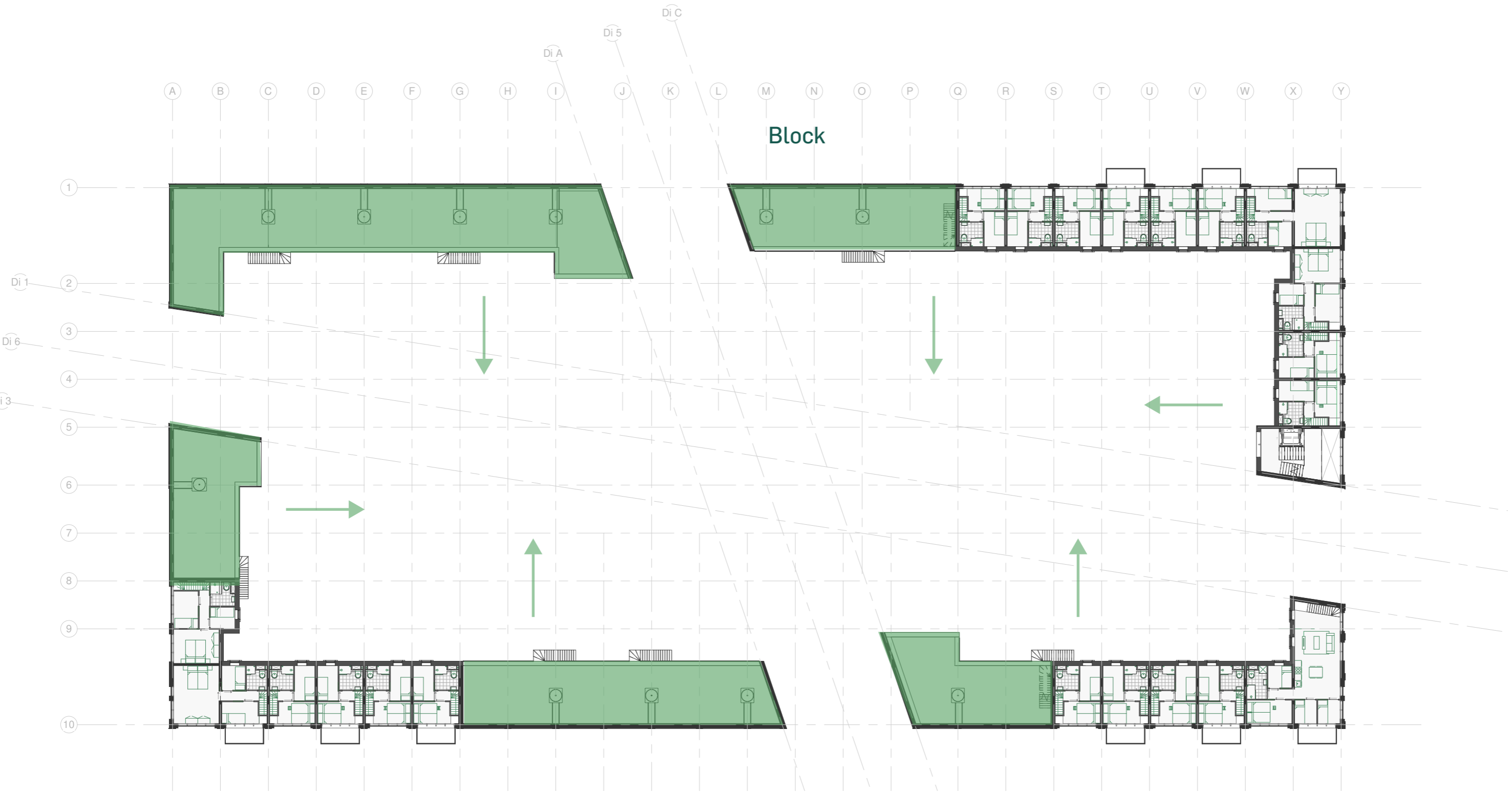




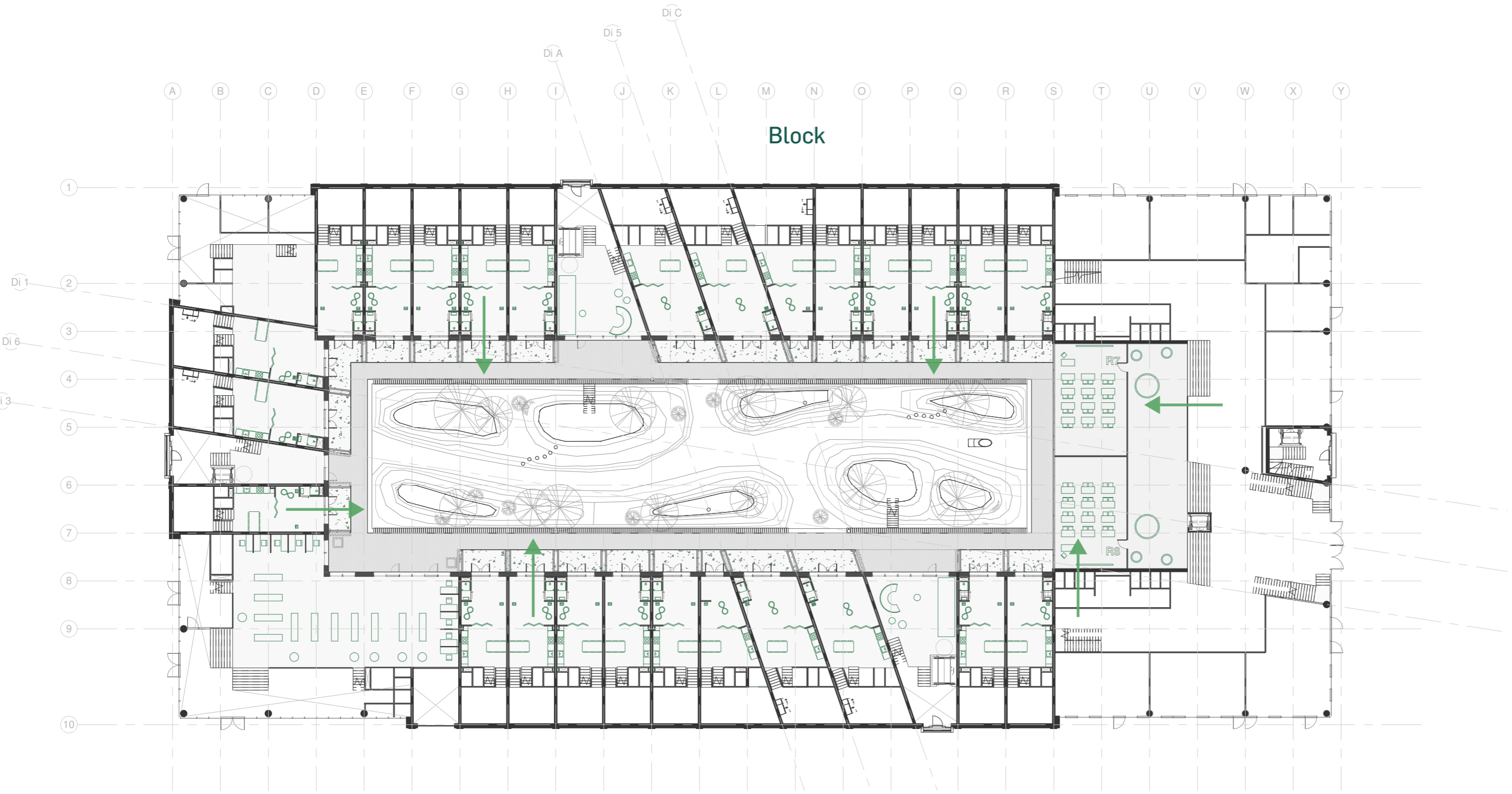
1: 250
Level 6



 1: 250
 Level 7

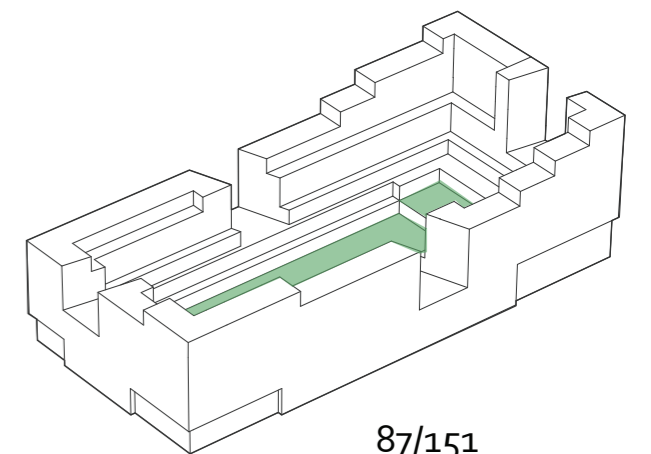



 1: 250
 Level 7

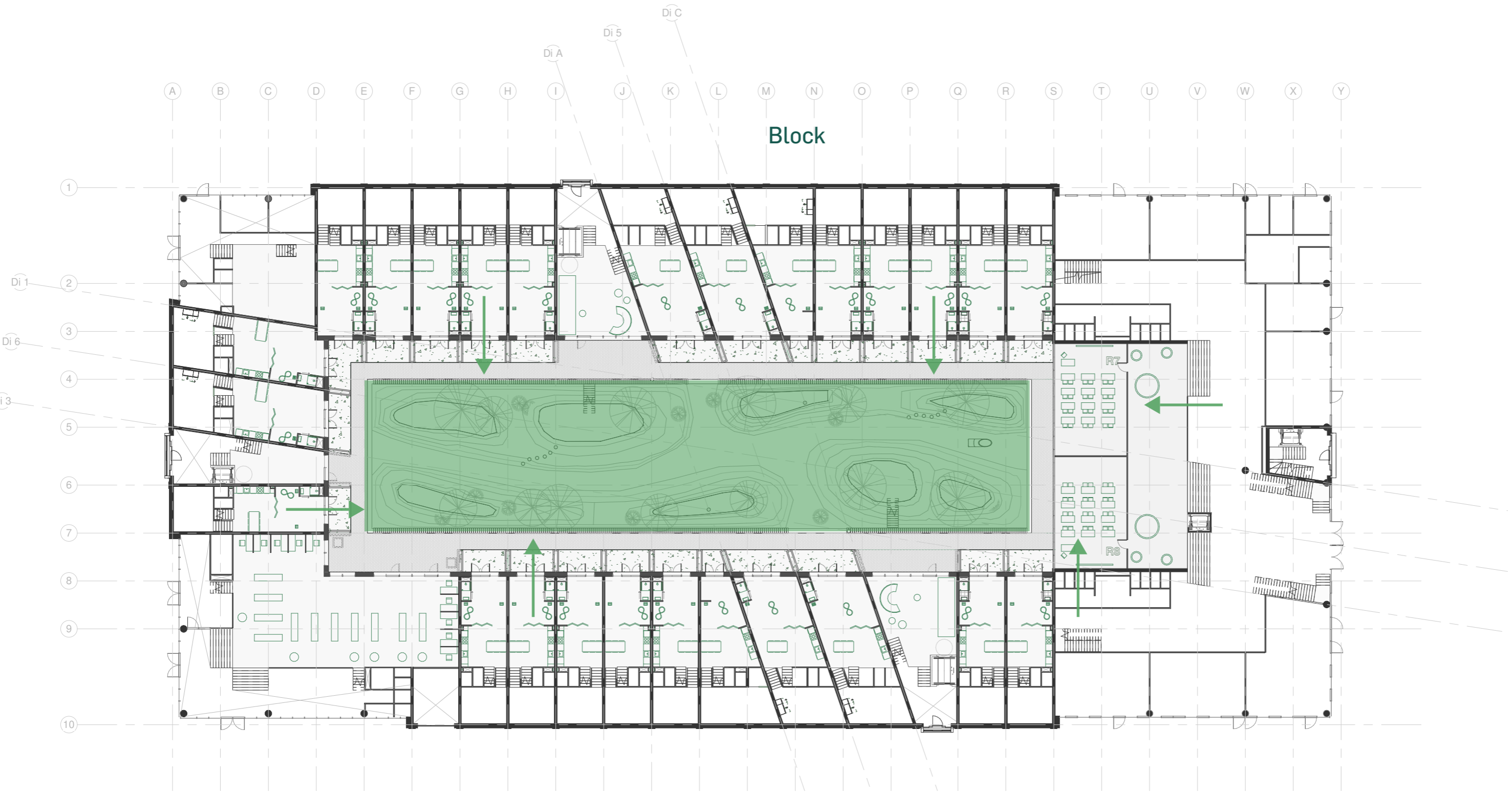


1: 250

Level 0.5



87/151

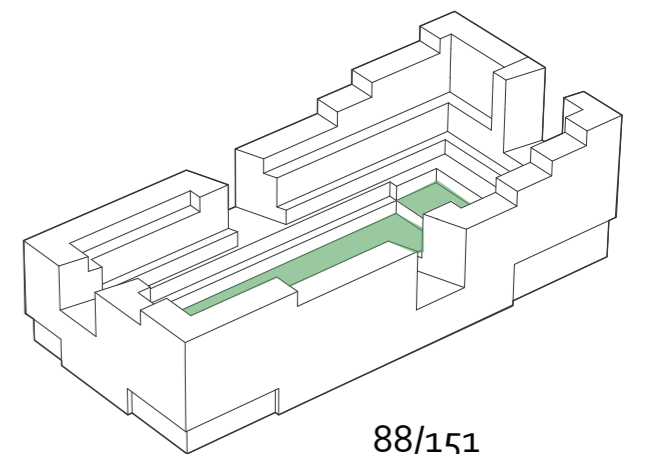


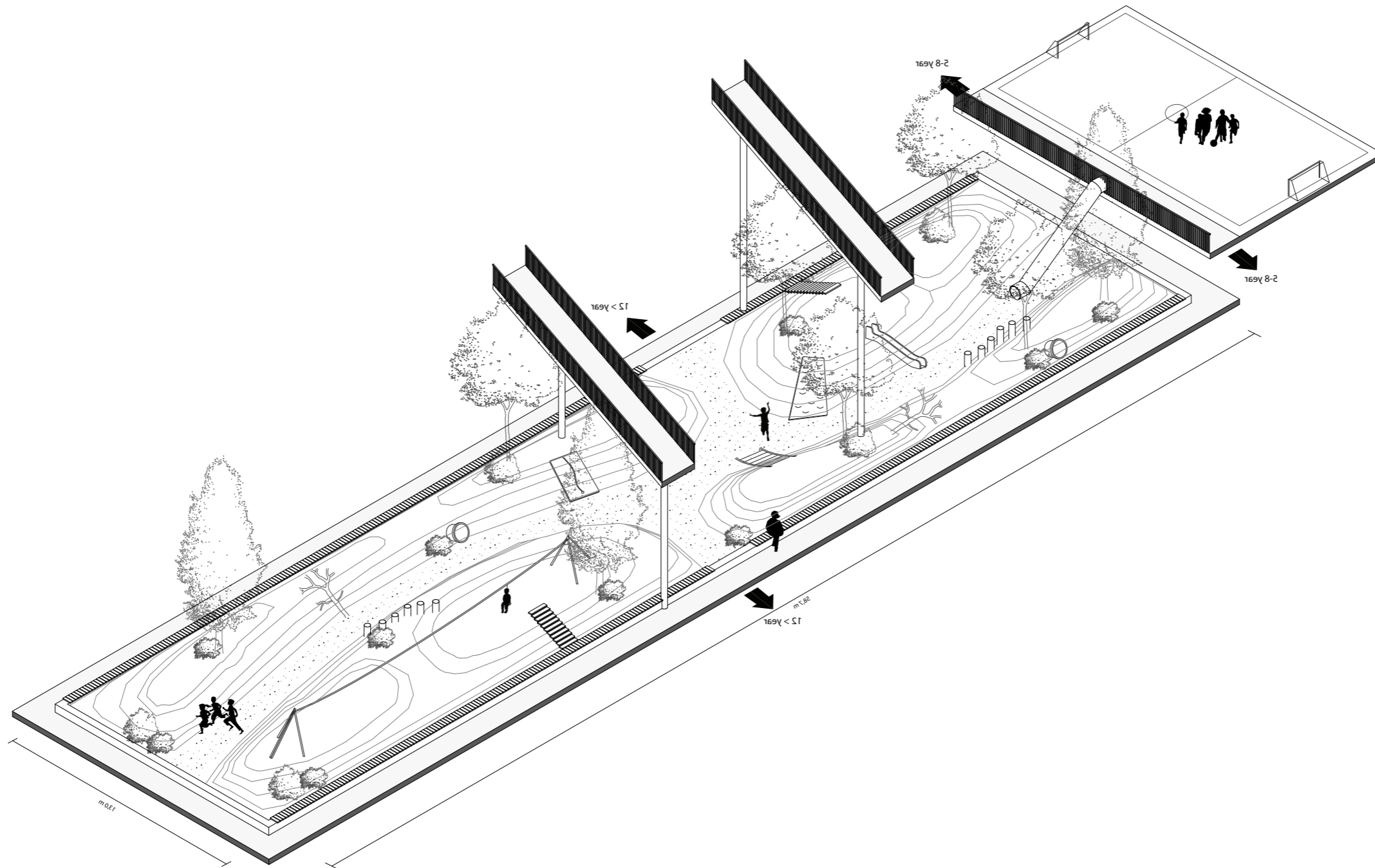
Block



1: 250

Level 0.5

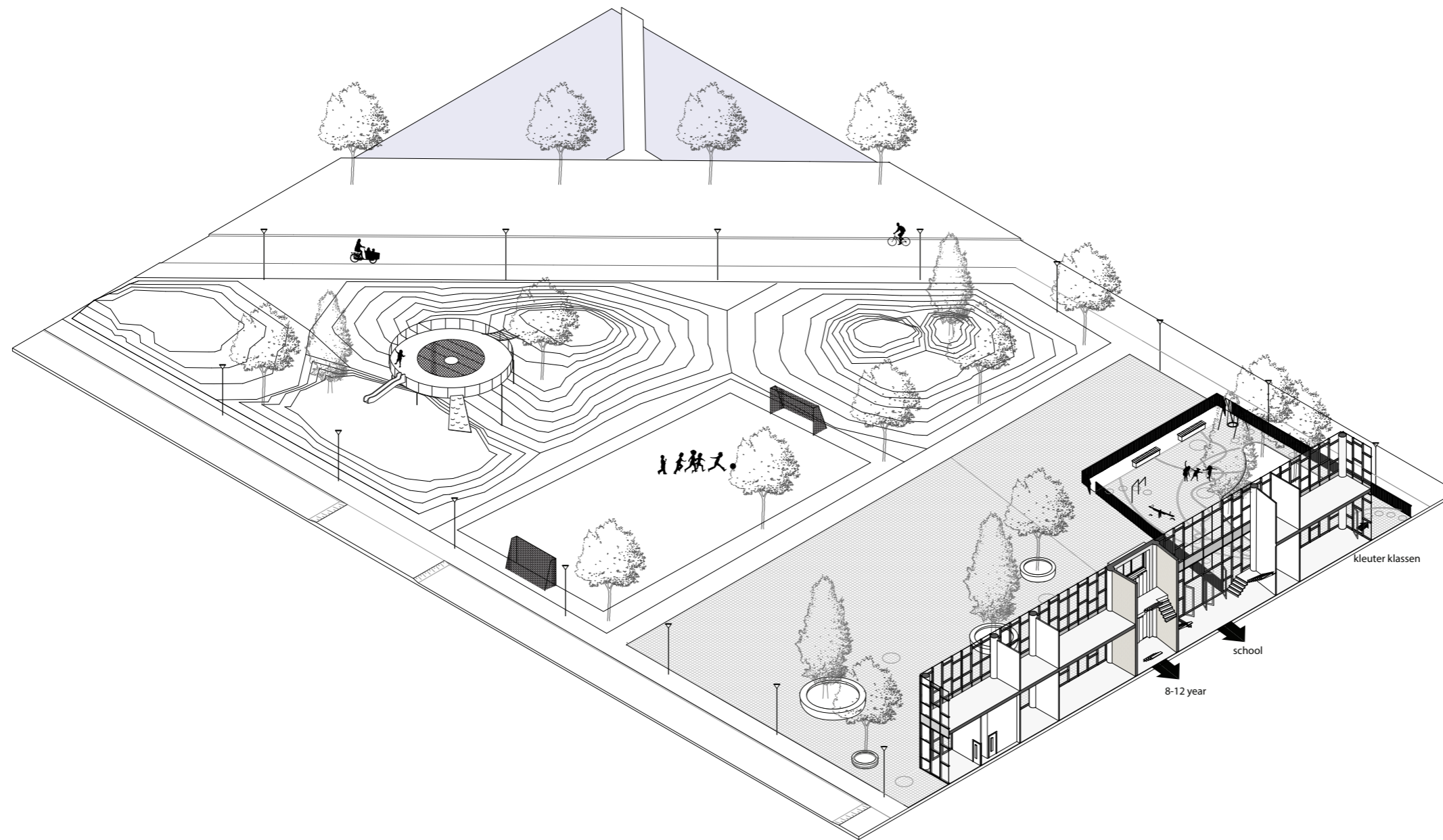




group:
child age: 8-12

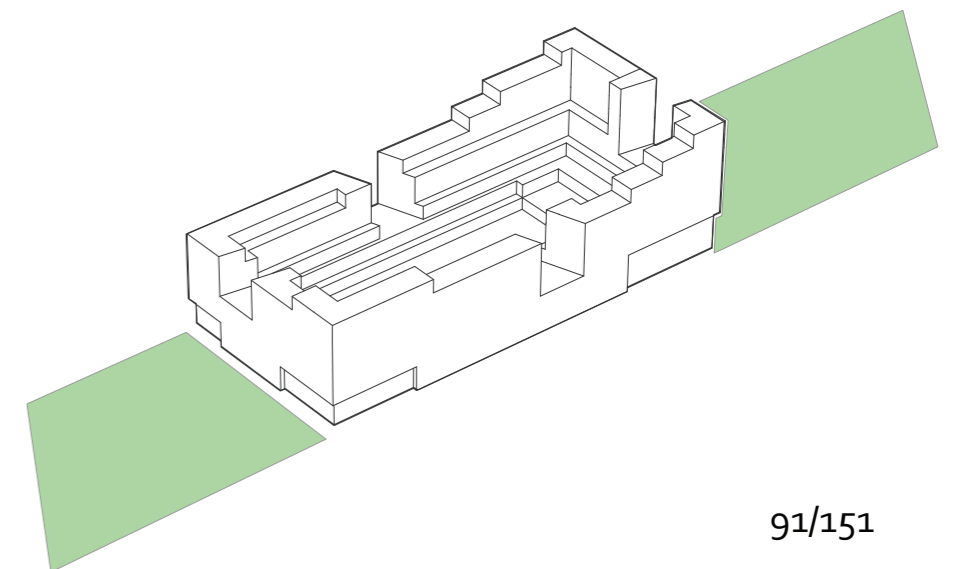
- growth in social group
- children dont play in predefined playgrounds
- need for paved and green playspots
- child can play outside without leaving the building





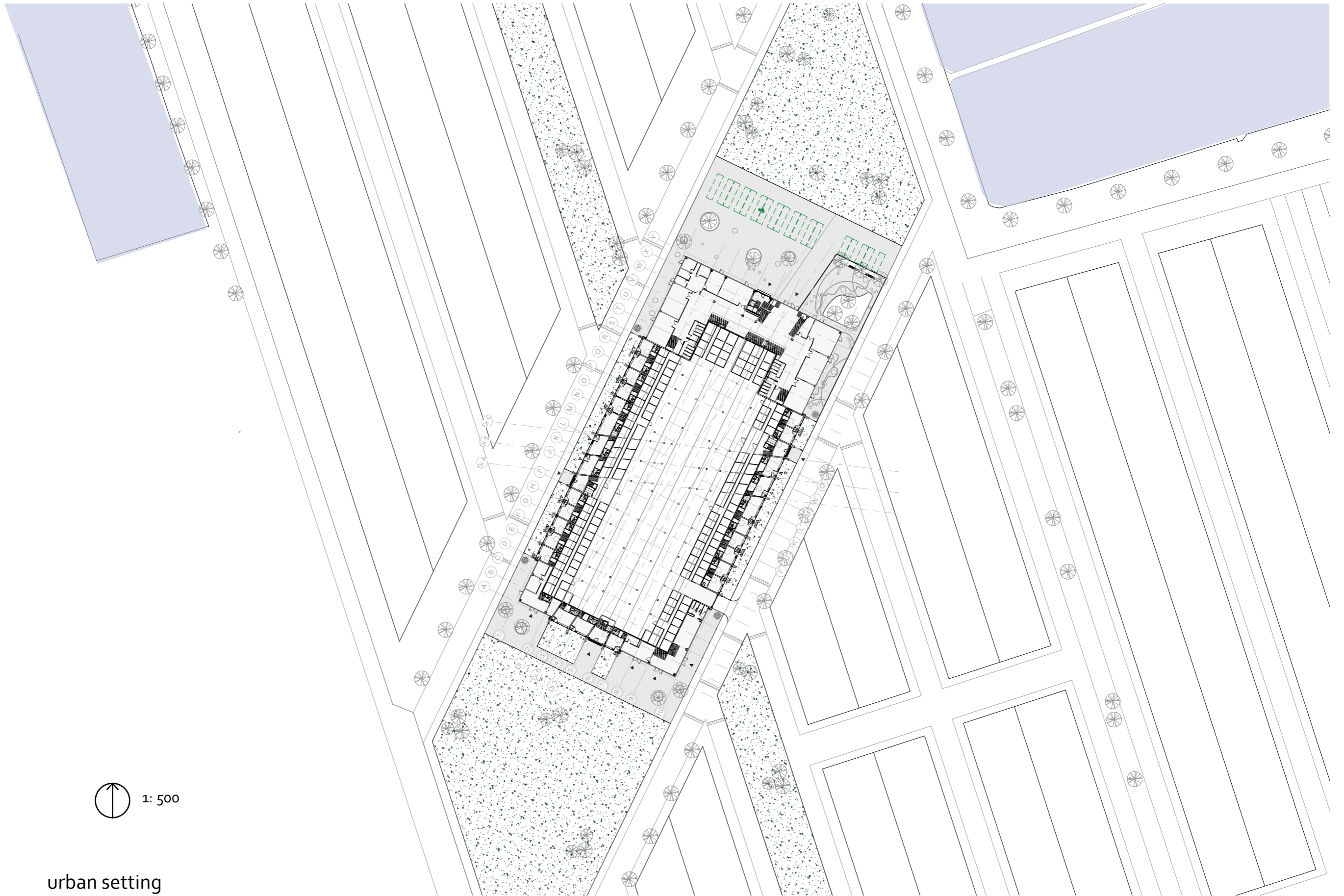
group:
Child age: 8-12 and 12>

- social group grows outside the neighborhood
- children of 8> are less dependent
- children of 12> have a need for gathering spaces over playspaces



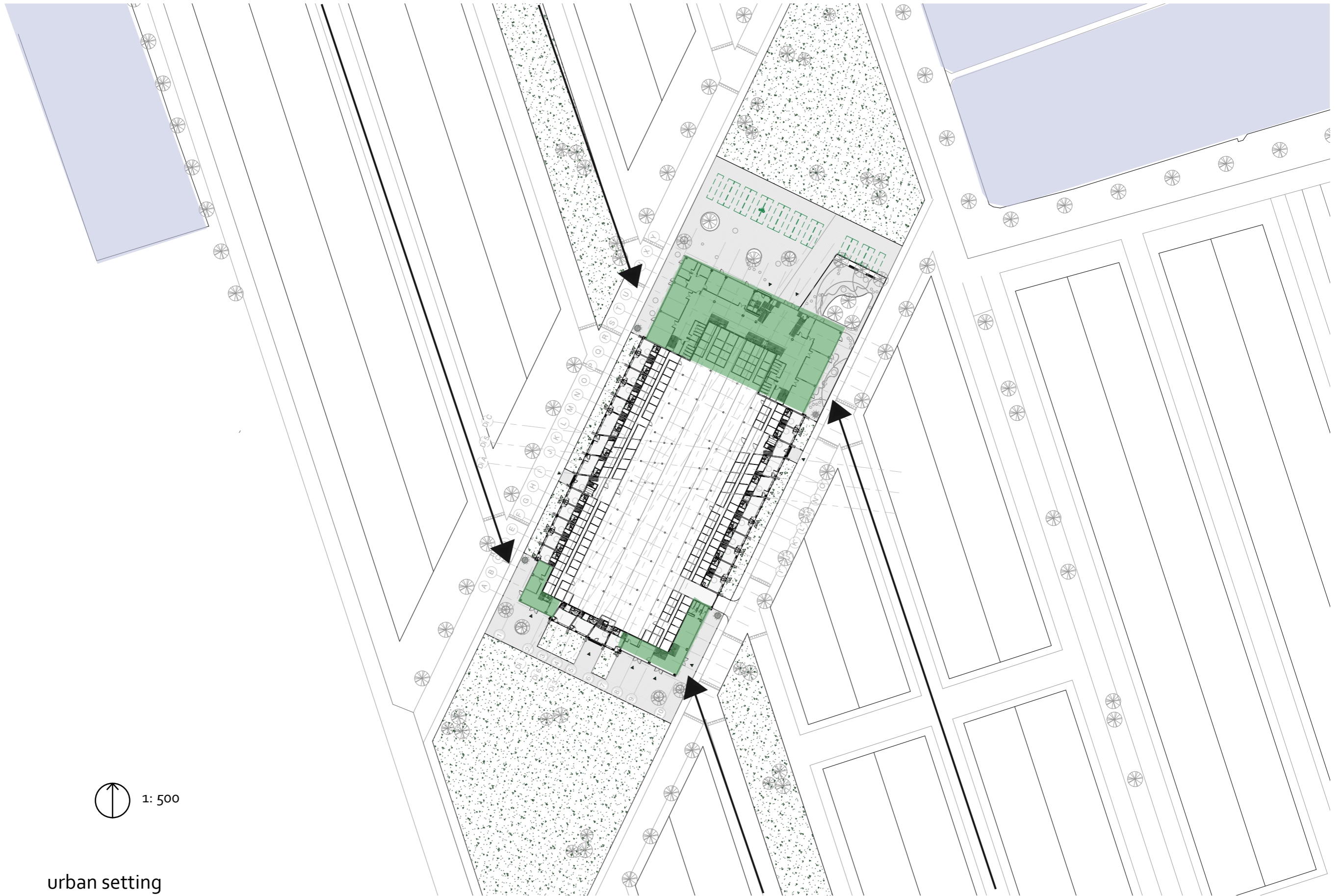


Functions



1: 500

urban setting



1: 500

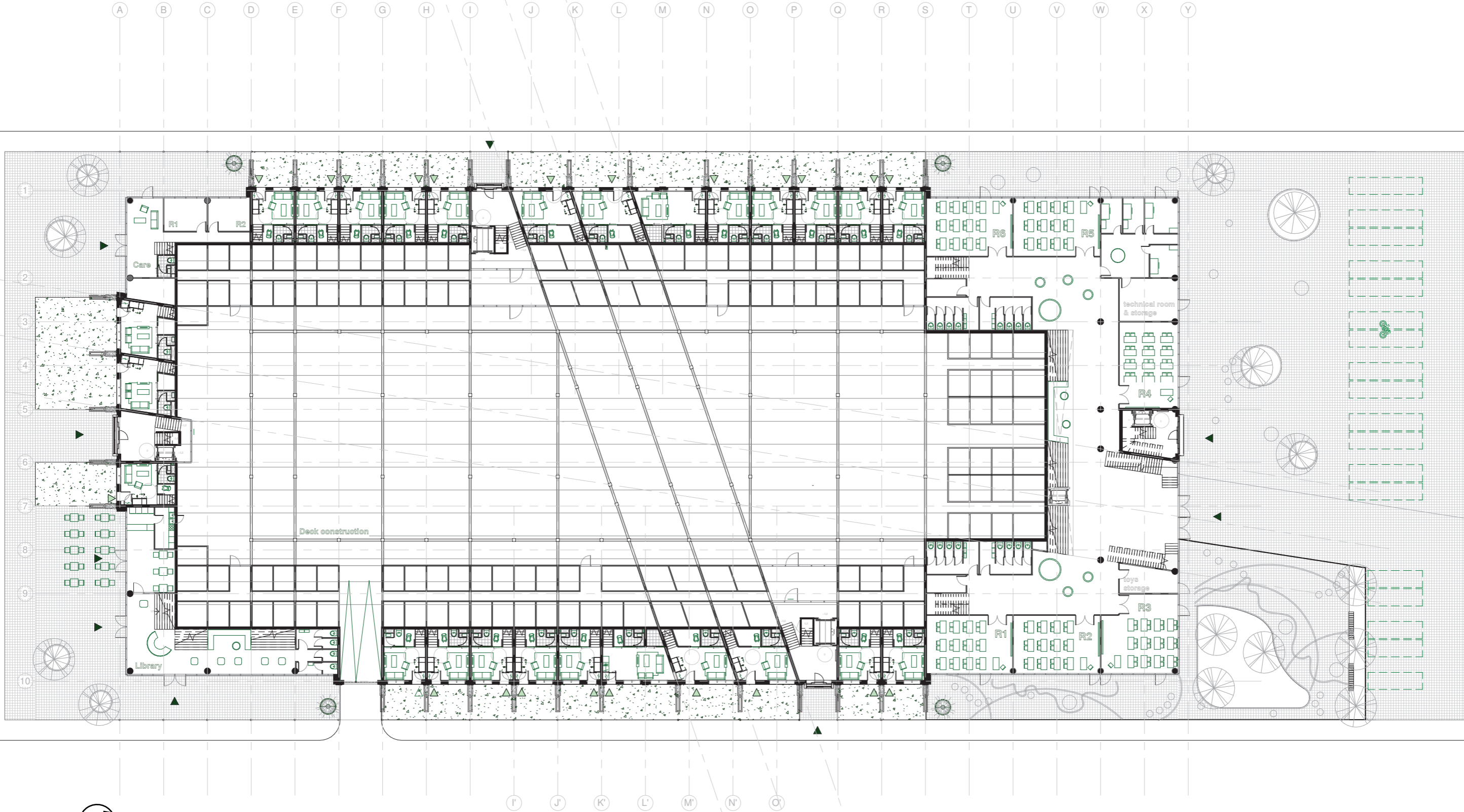
urban setting



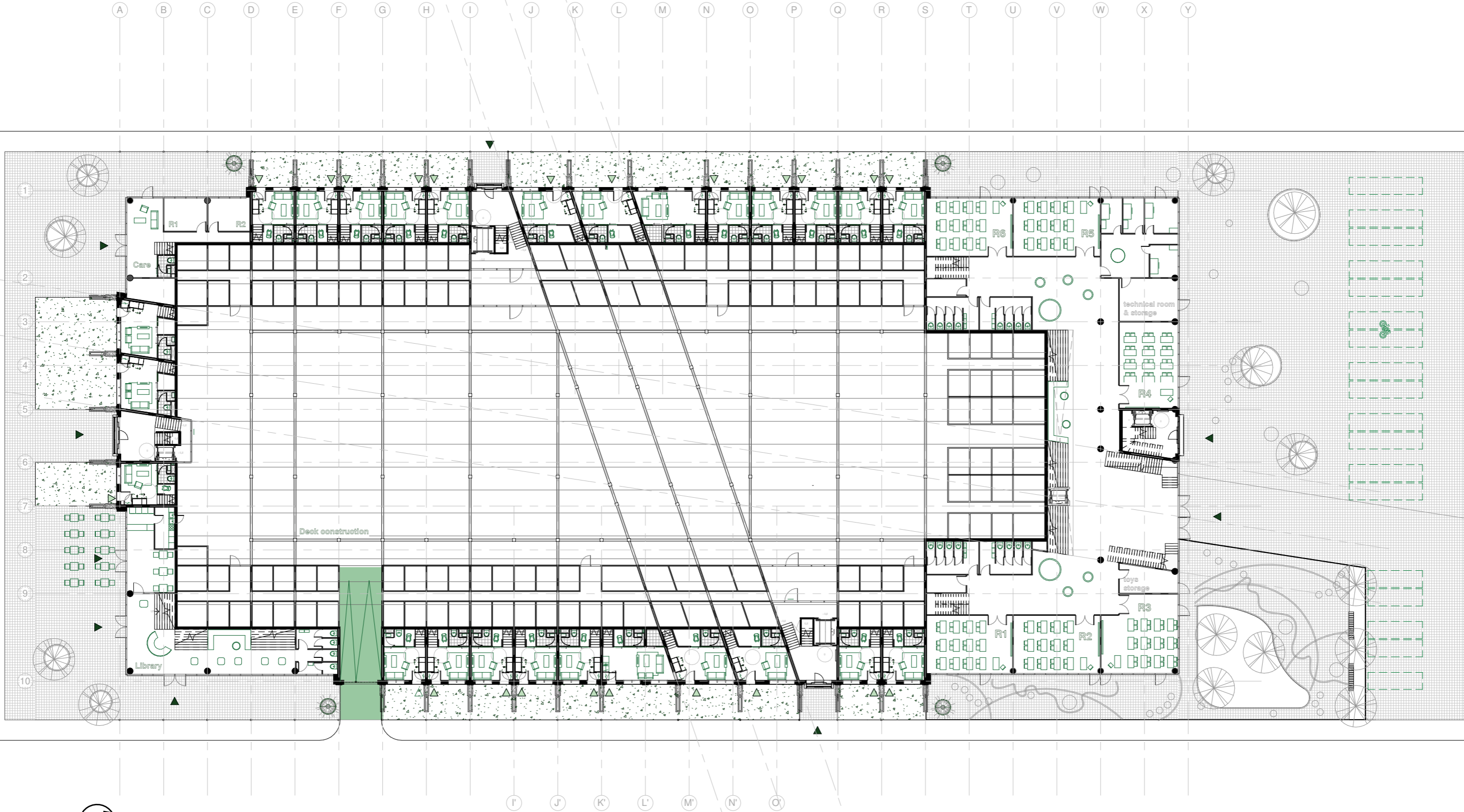
↑ 1: 500

urban setting

Functions



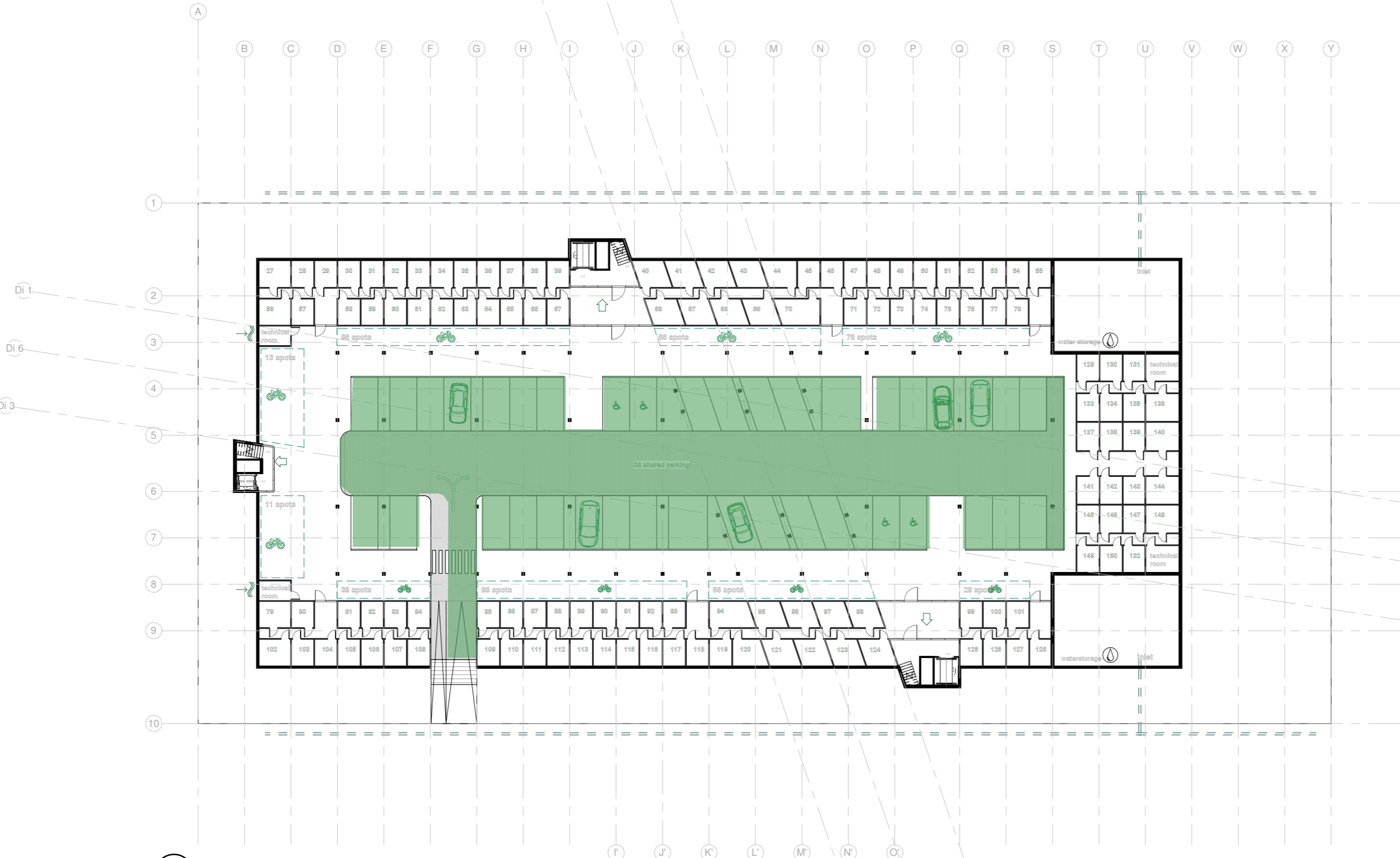
Functions



1: 250

parking entrance

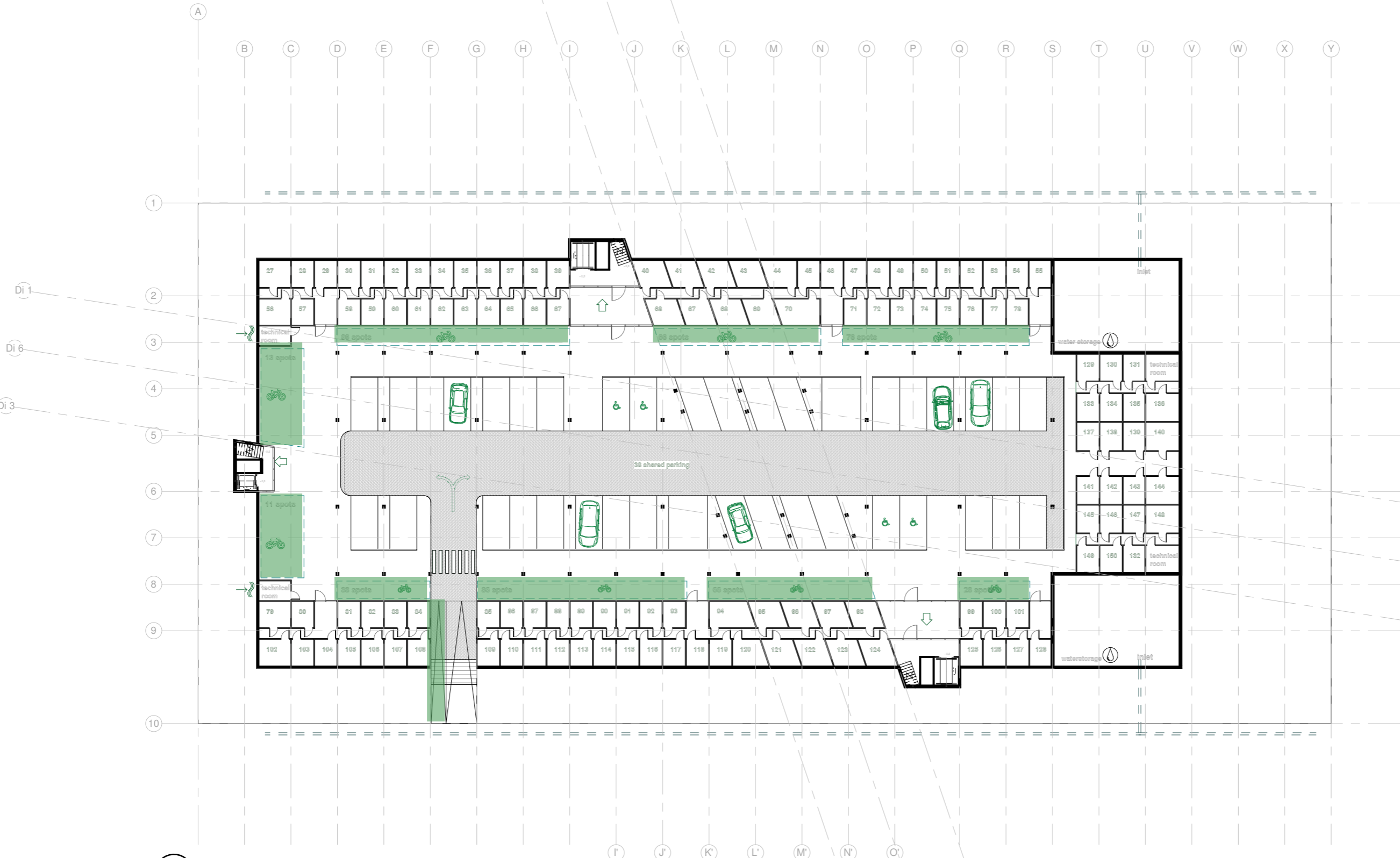
Functions



1: 250

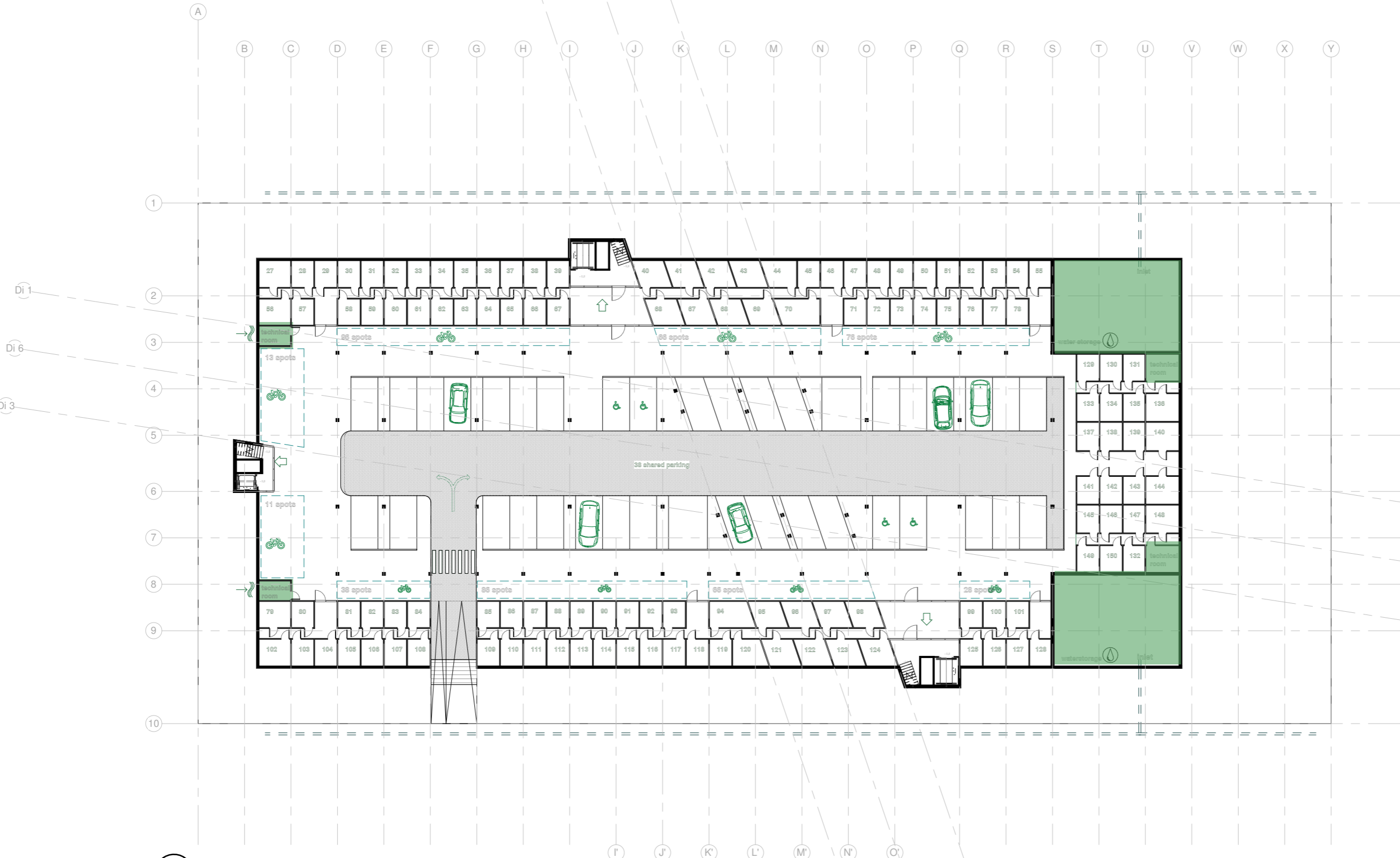
shared cars

Funcities



1: 250
bicycle storage

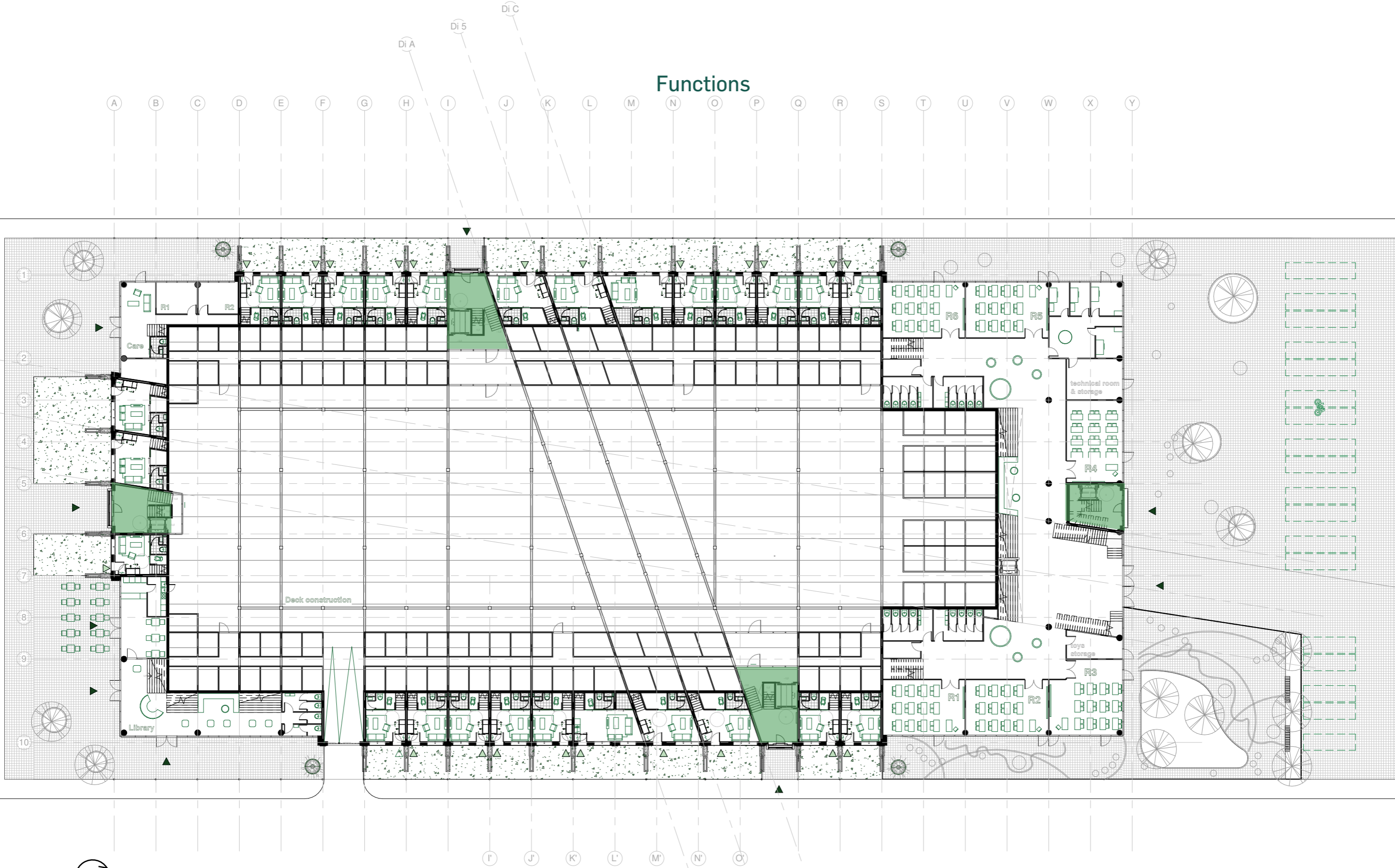
Functions




1: 250

technical rooms

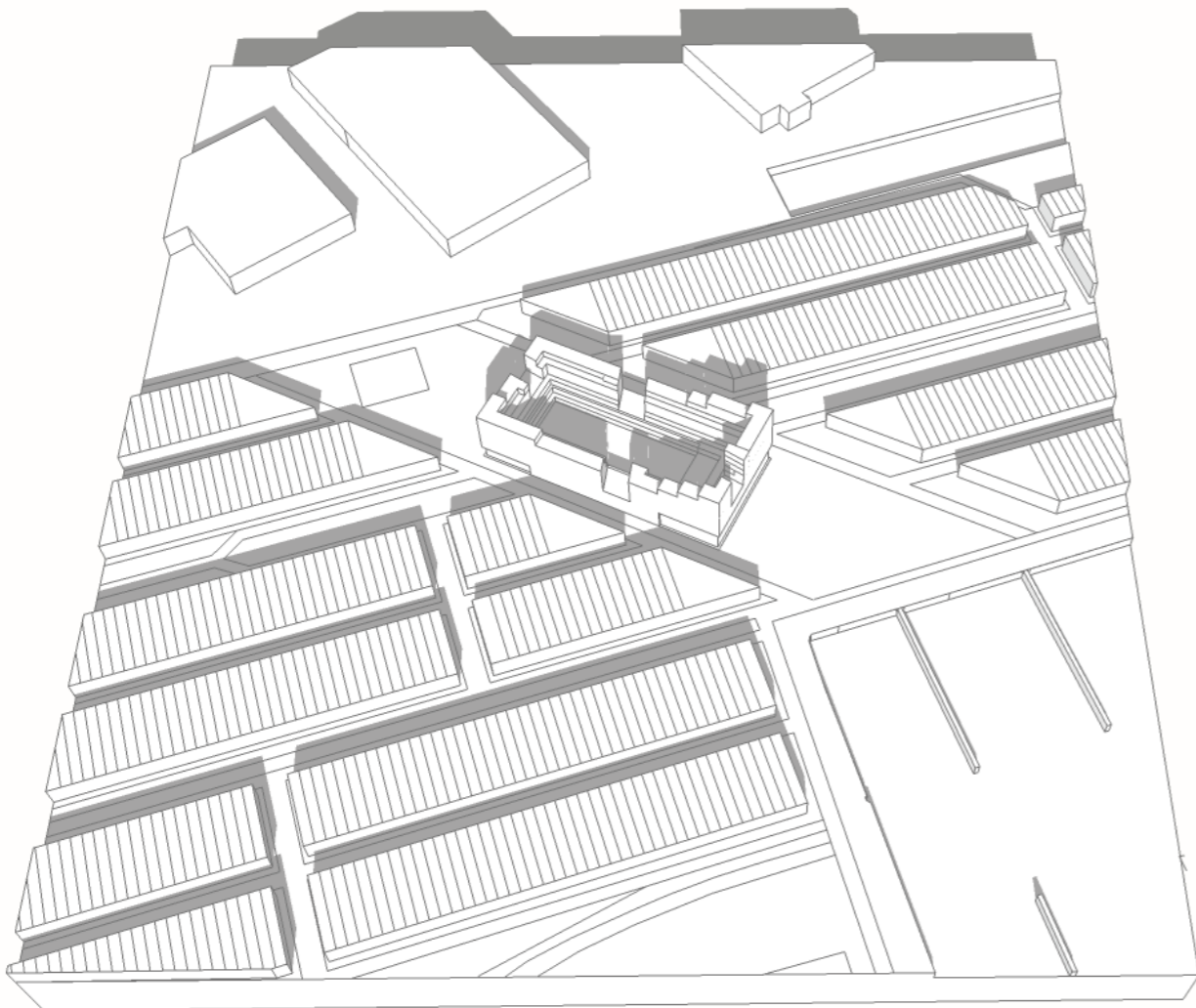
Functions



 ground floor

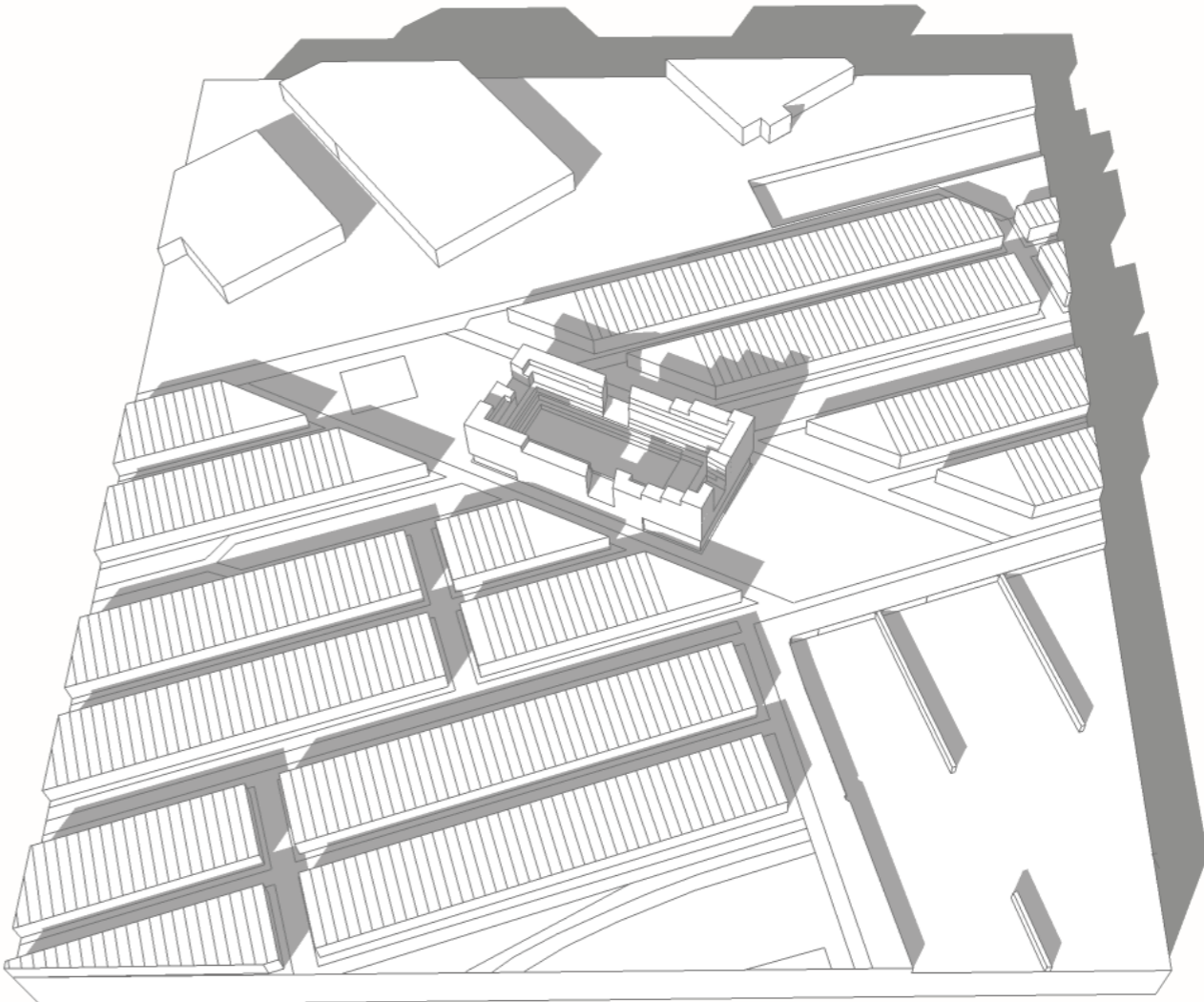


Positioning



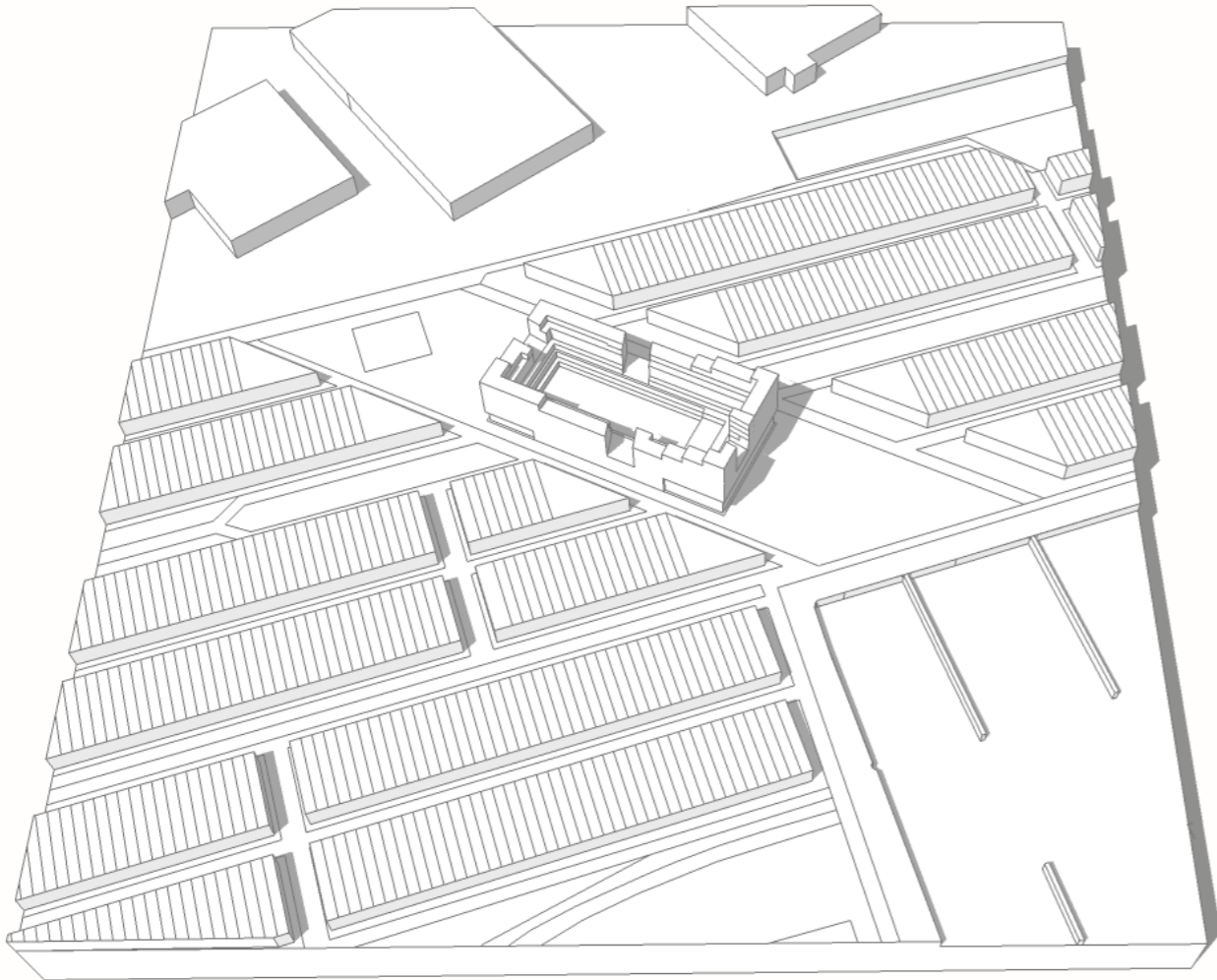
summer

morning 9 o'clock

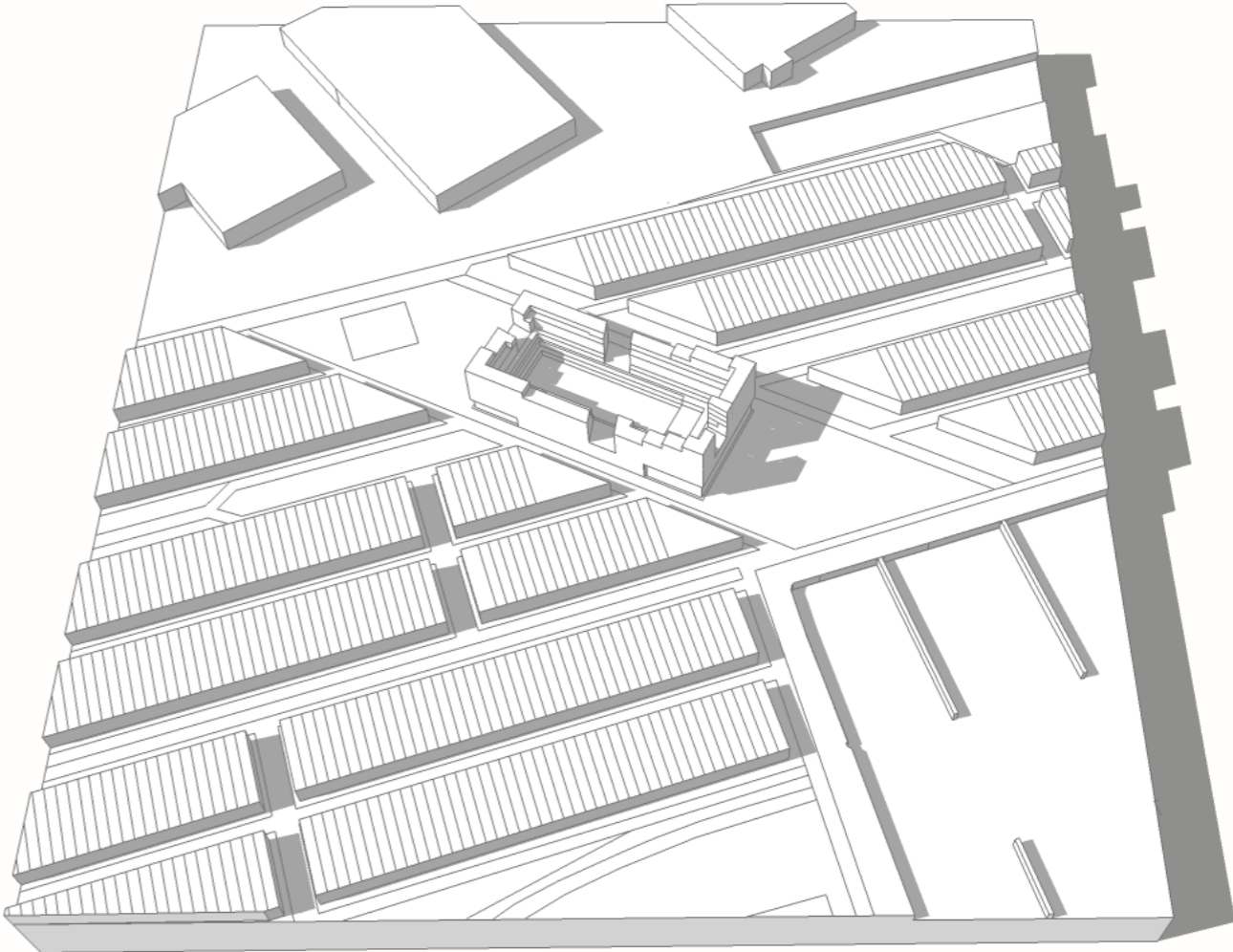


spring

Positioning



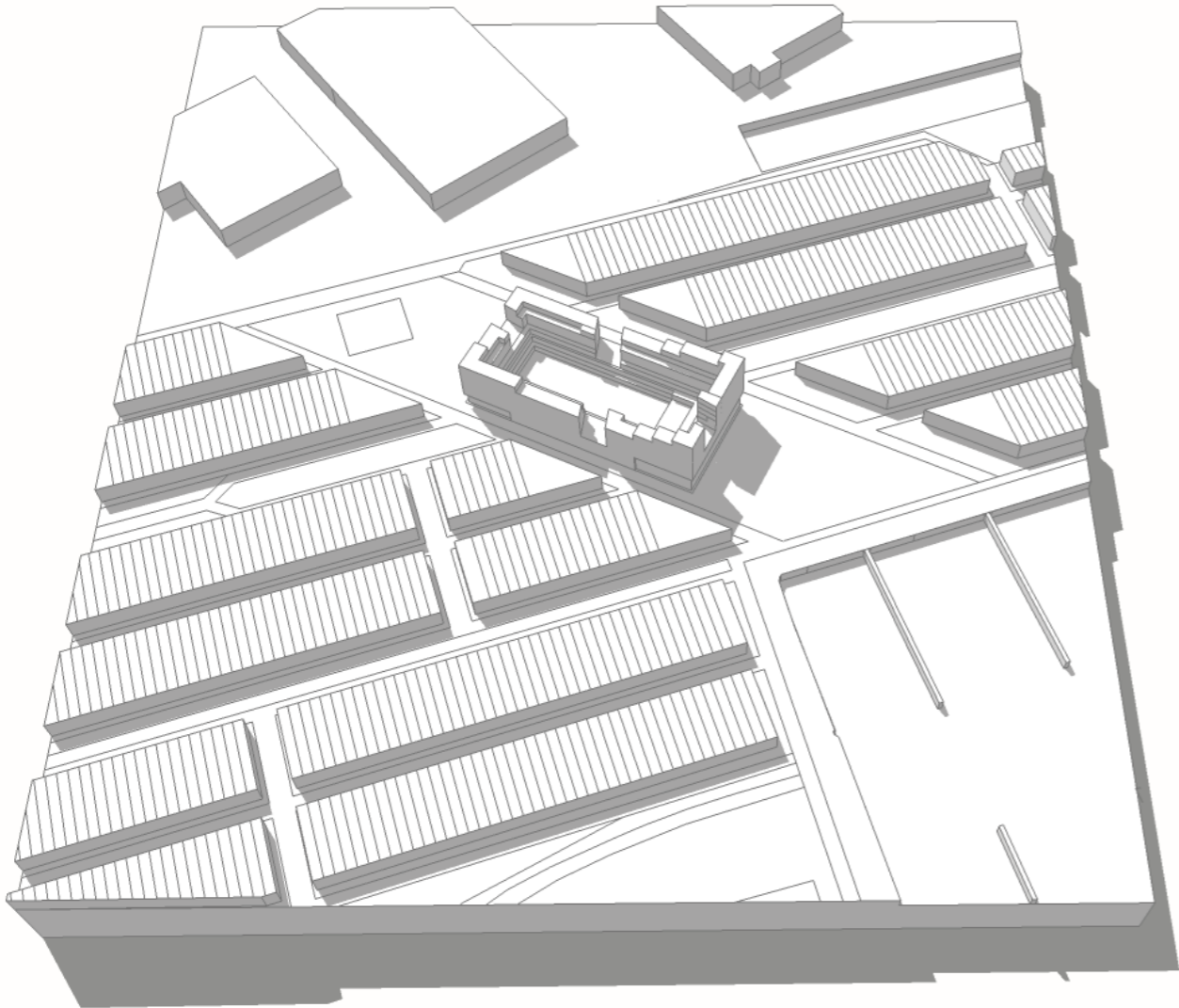
summer



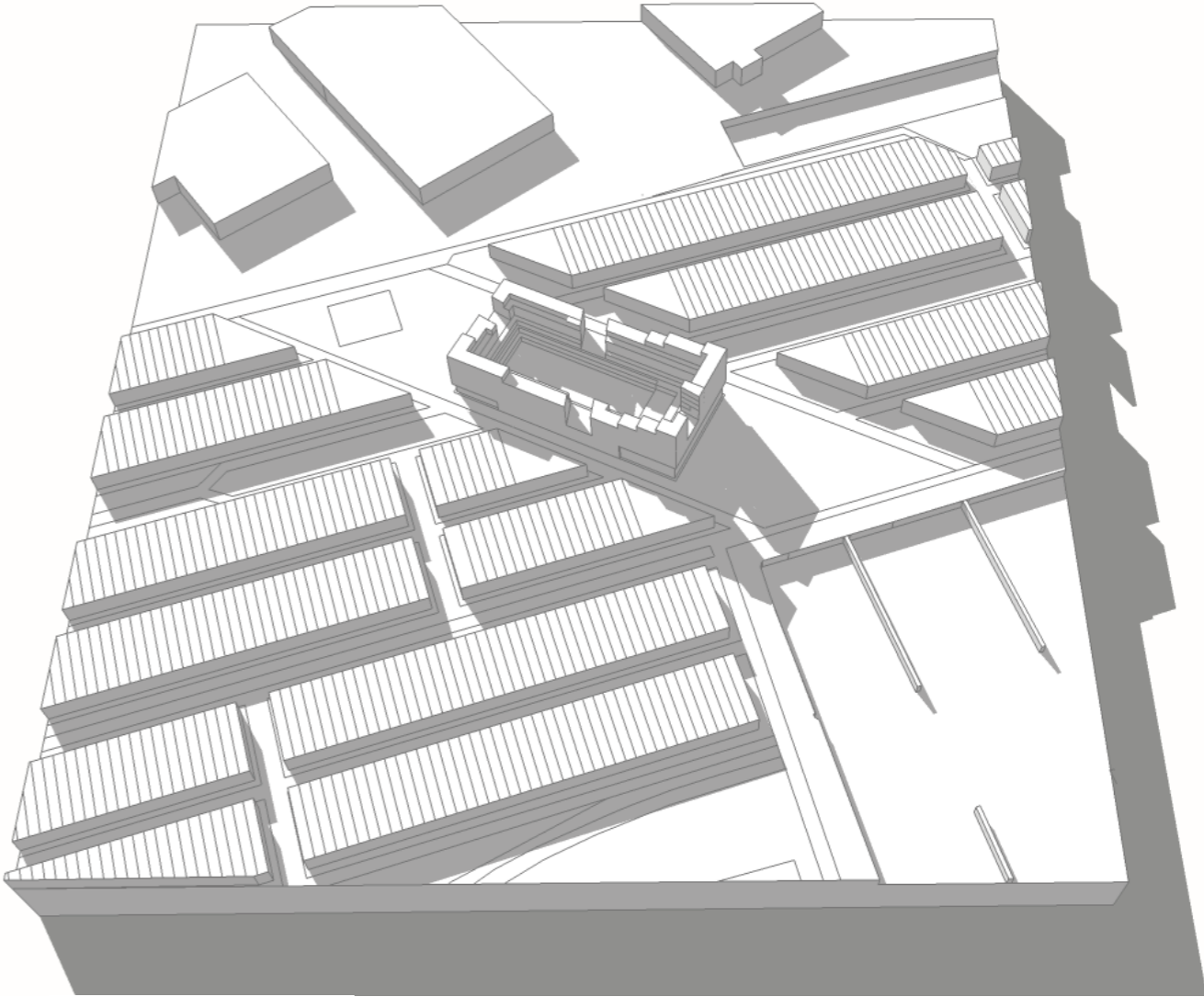
spring

break 12:30 o'clock

Positioning



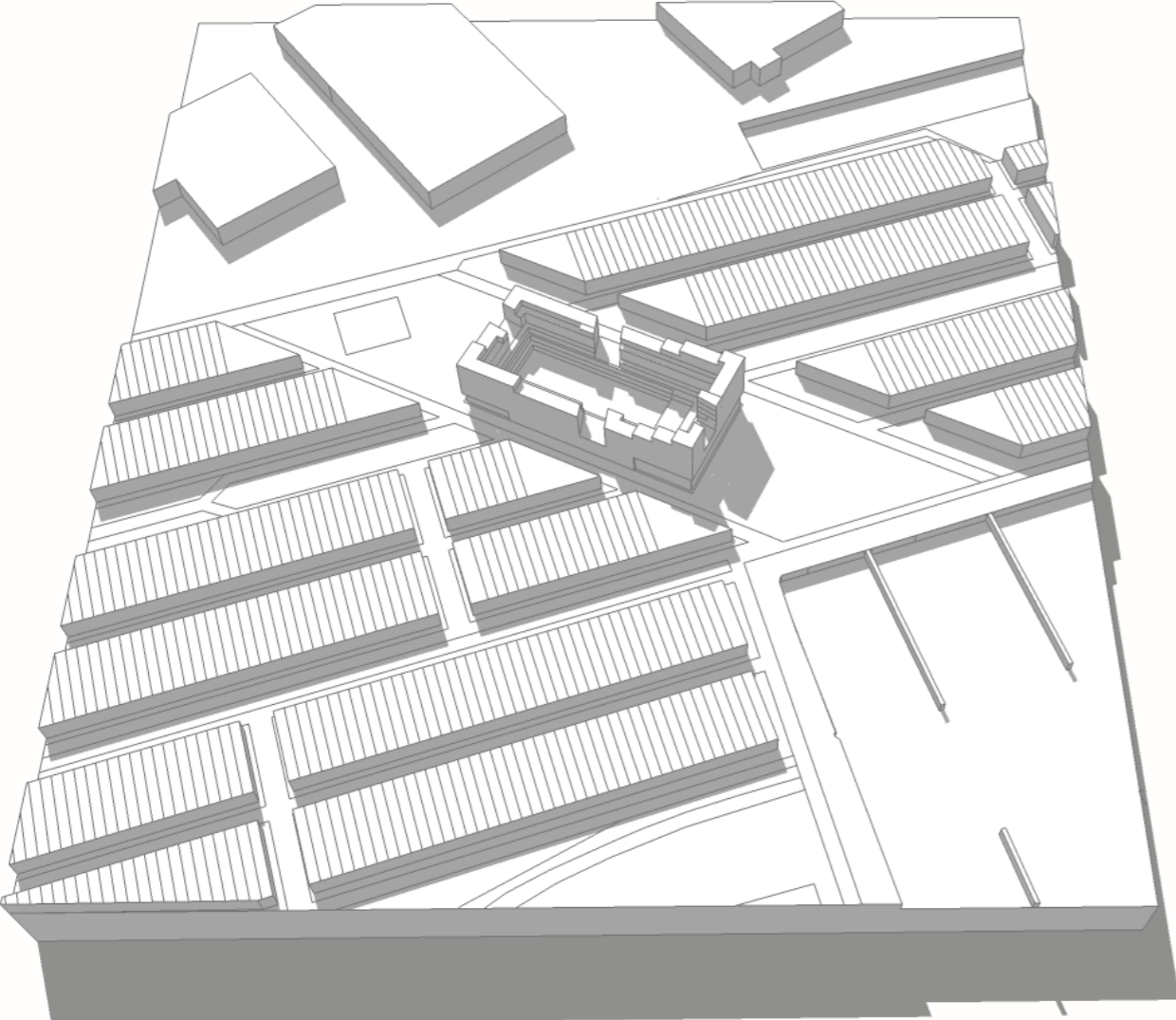
summer



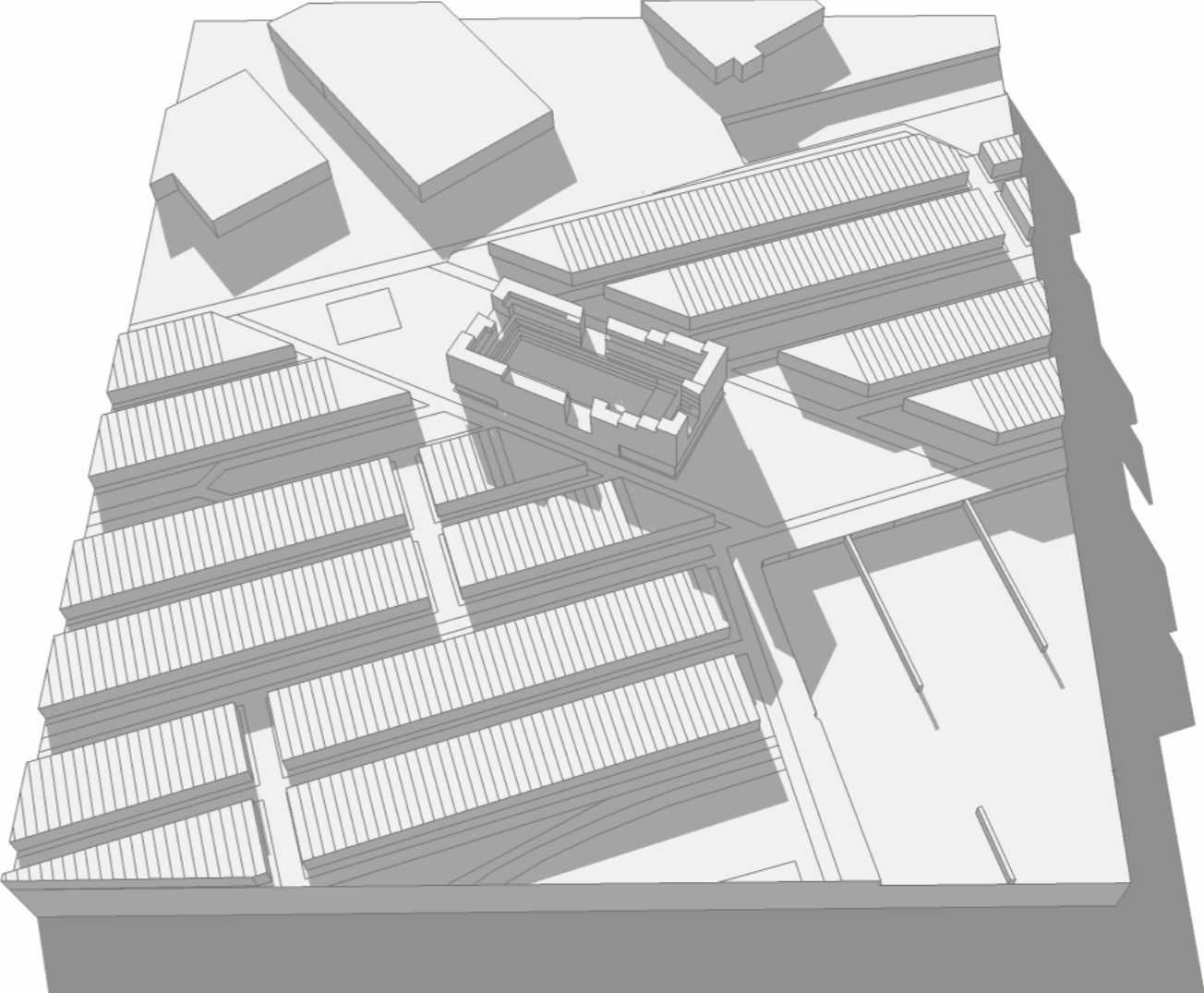
spring

school end 16 o'clock

Positioning



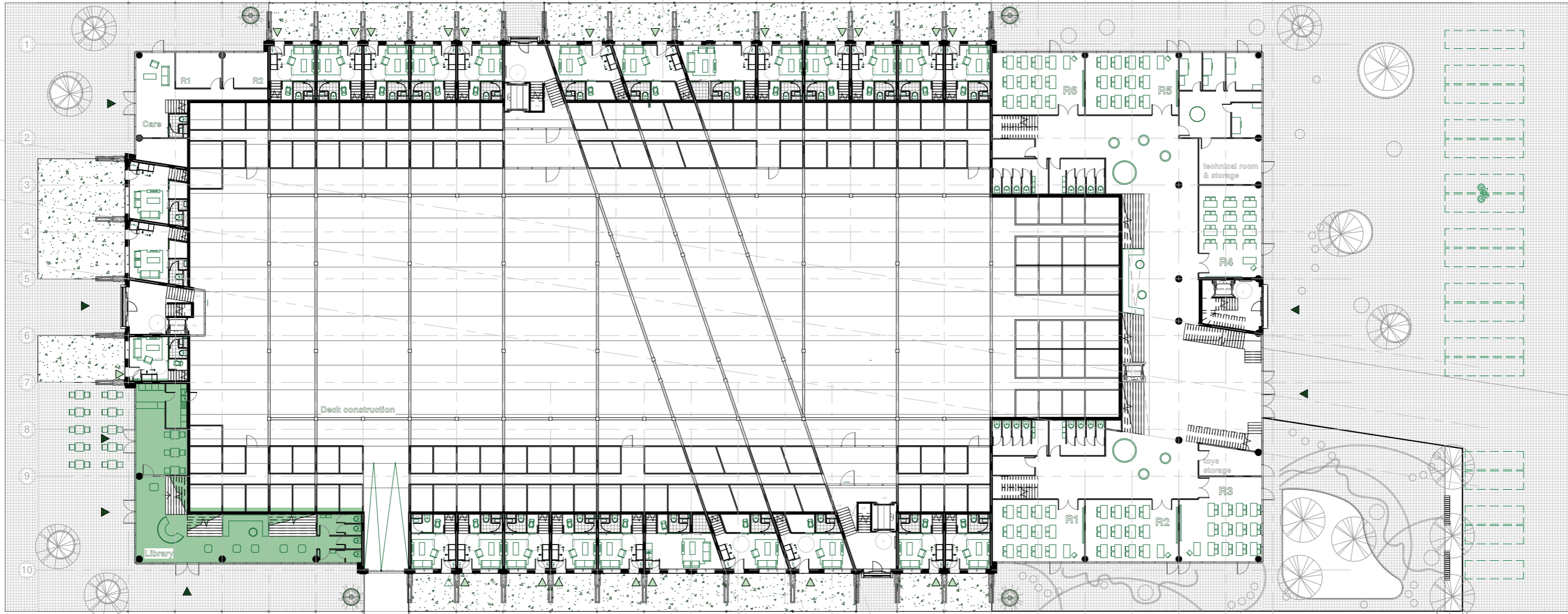
summer



spring

playing outside end 17 o'clock

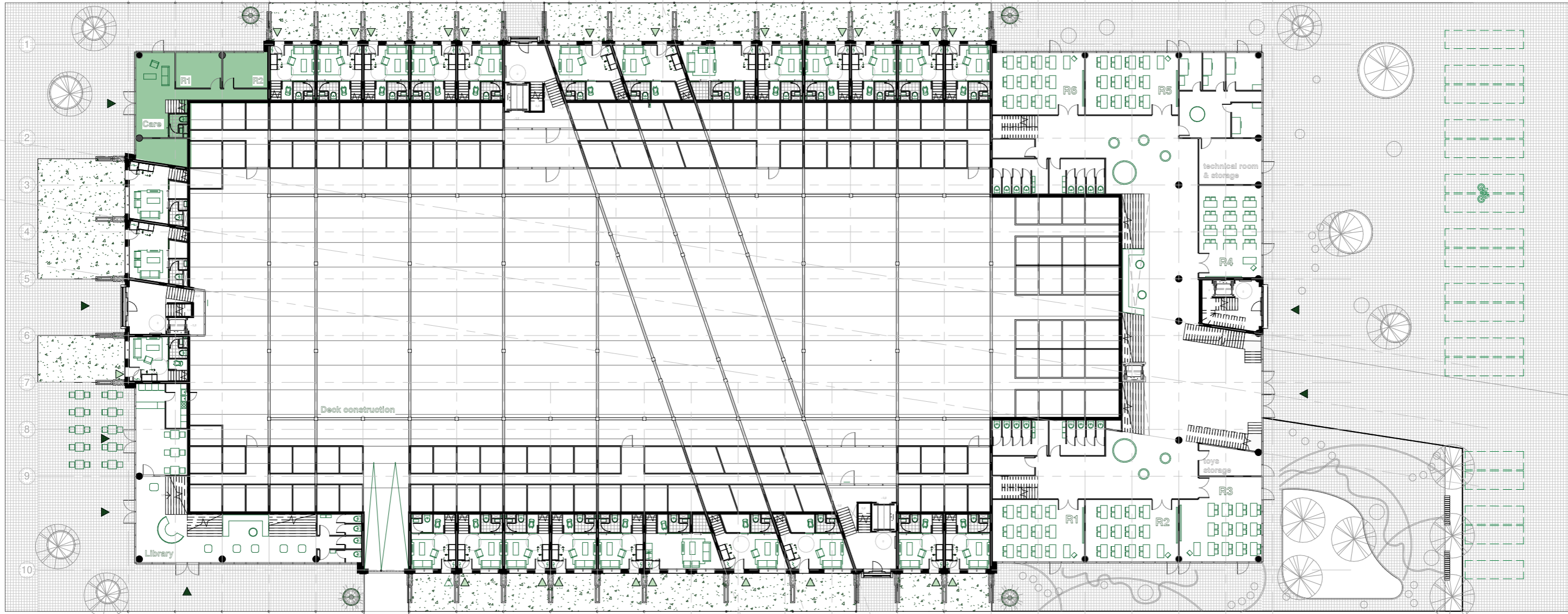
Functions



1: 250

library and cafe

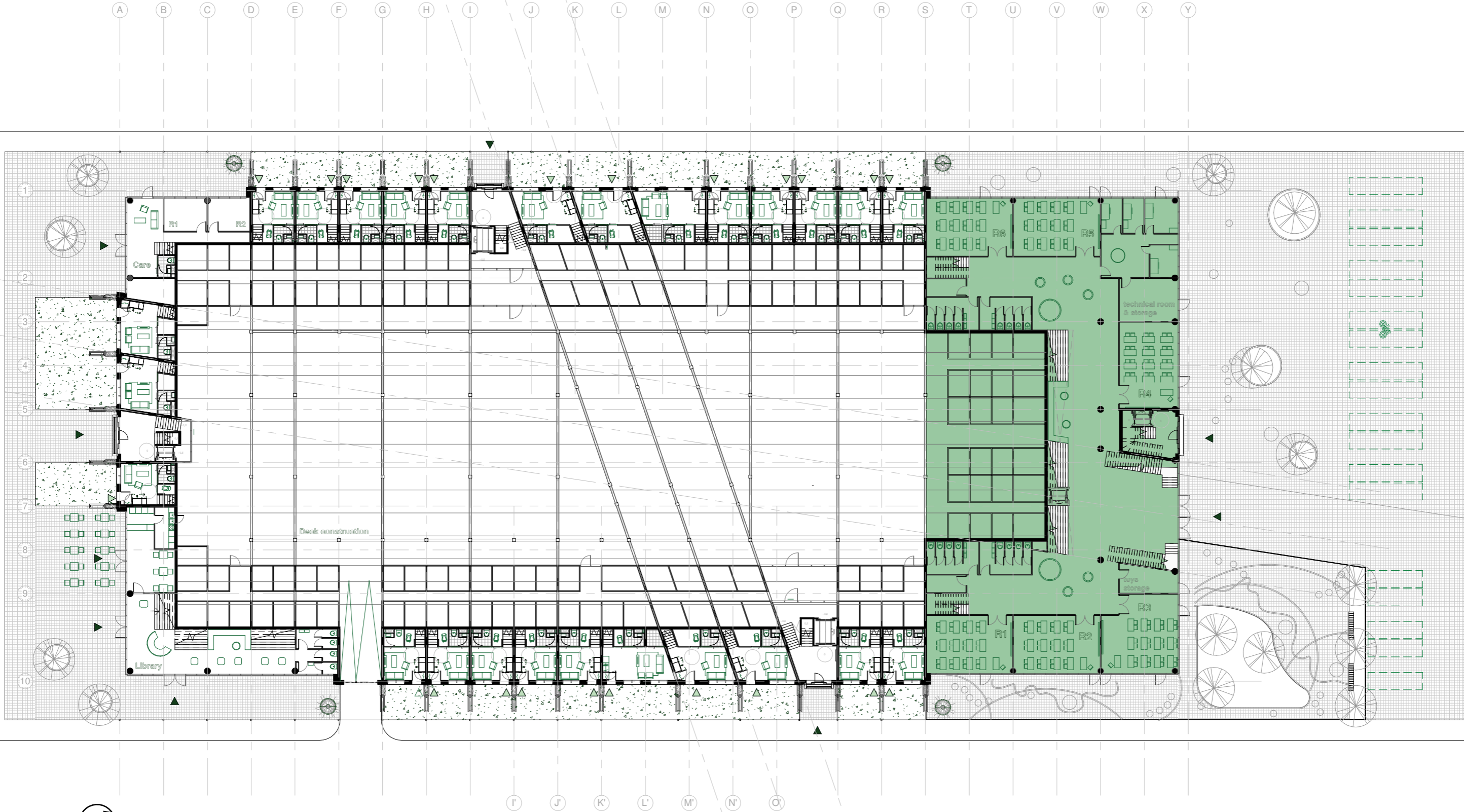
Functions



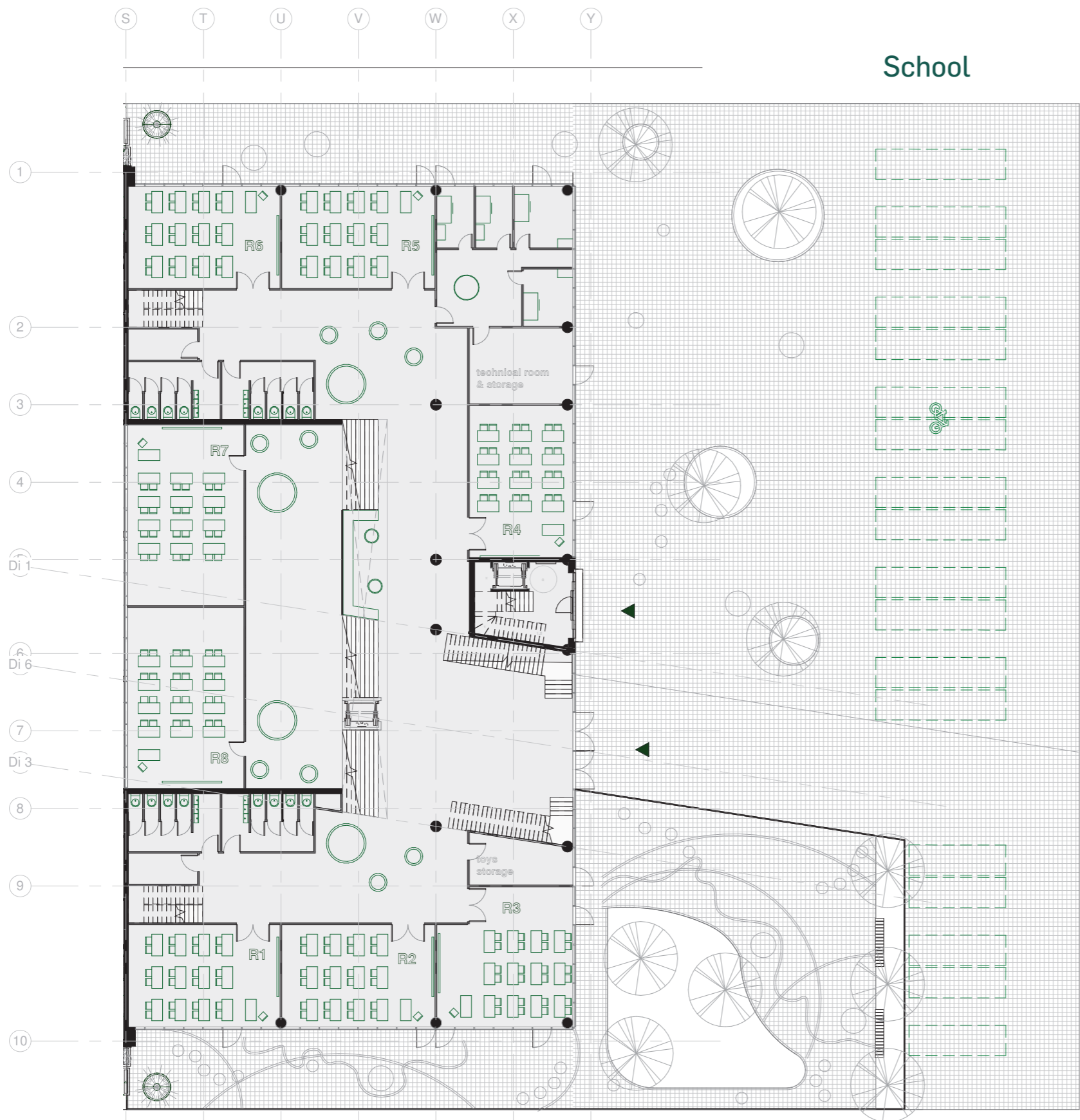
1: 250

family coach

Functions



1: 250
school



School

School begane grond

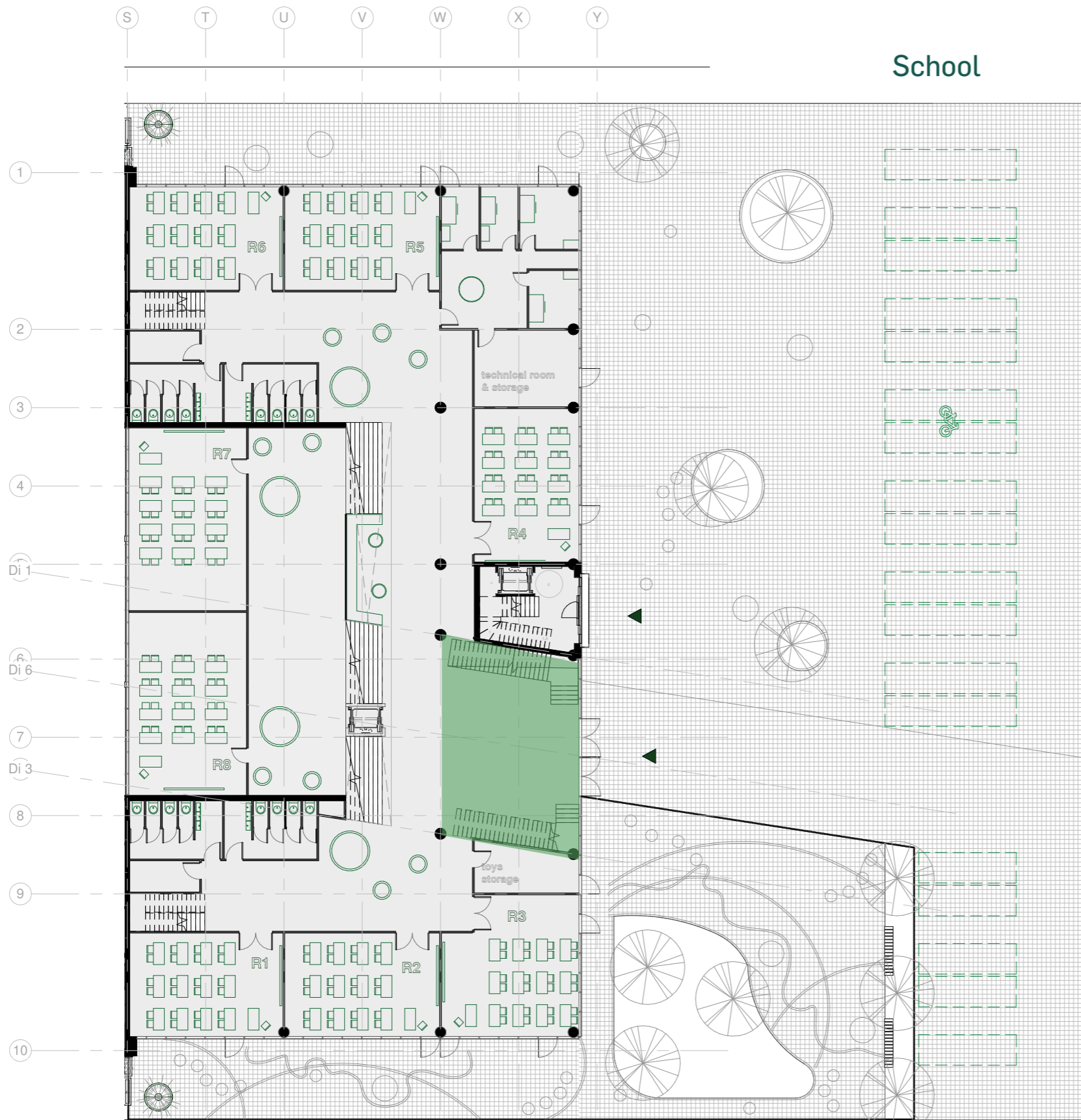


surface: 1151 m²

rooms on ground floor: 8

total amount of rooms: 15

groups: R1 - R3: group 1 and 2
 R4 - R6: group 3/4
 R7 - R8: group 5



School

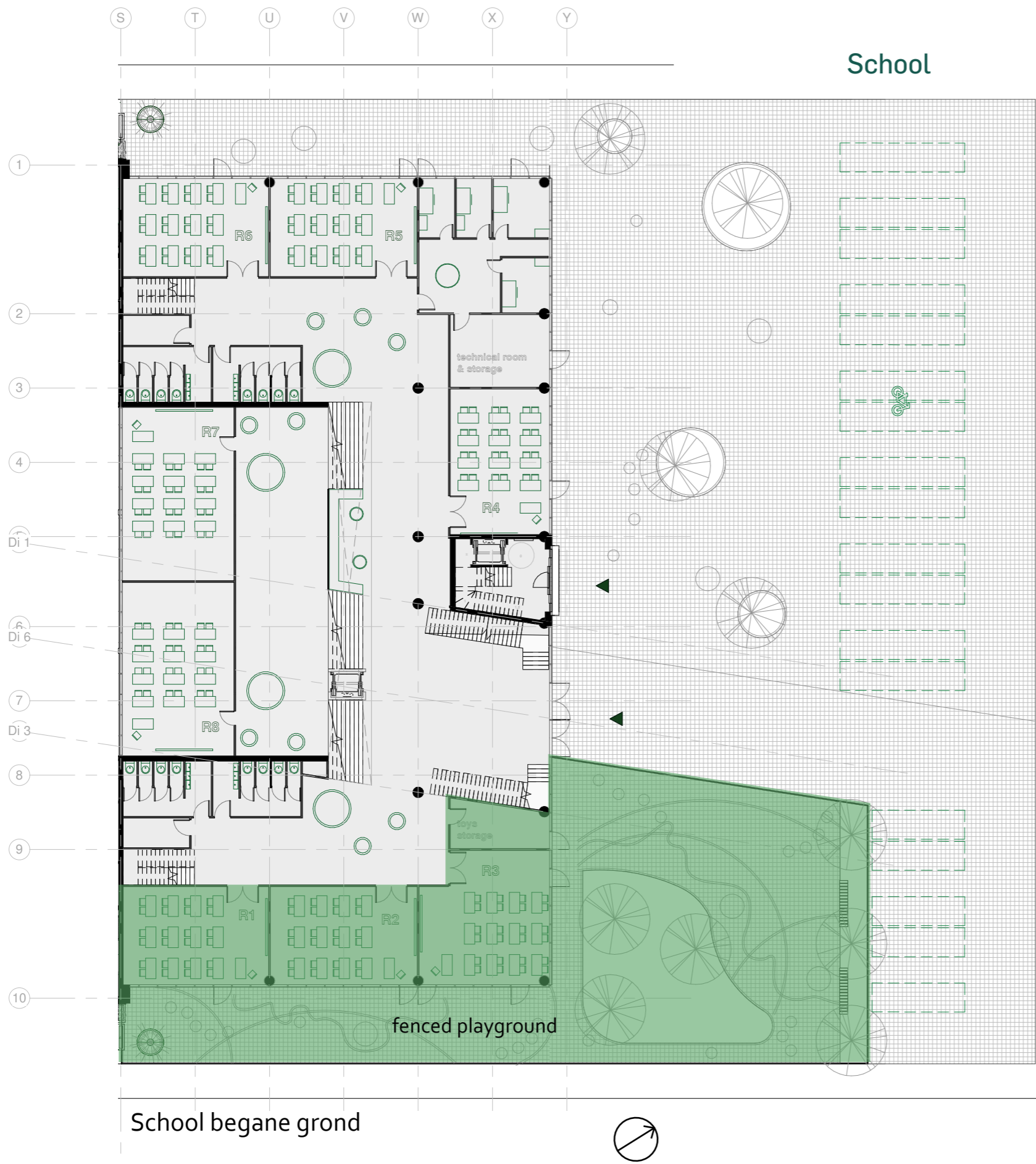
School begane grond

surface: 1151 m²

rooms on ground floor: 8

total amount of rooms: 15

groups: R1 - R3: group 1 and 2
 R4 - R6: group 3/4
 R7 - R8: group 5

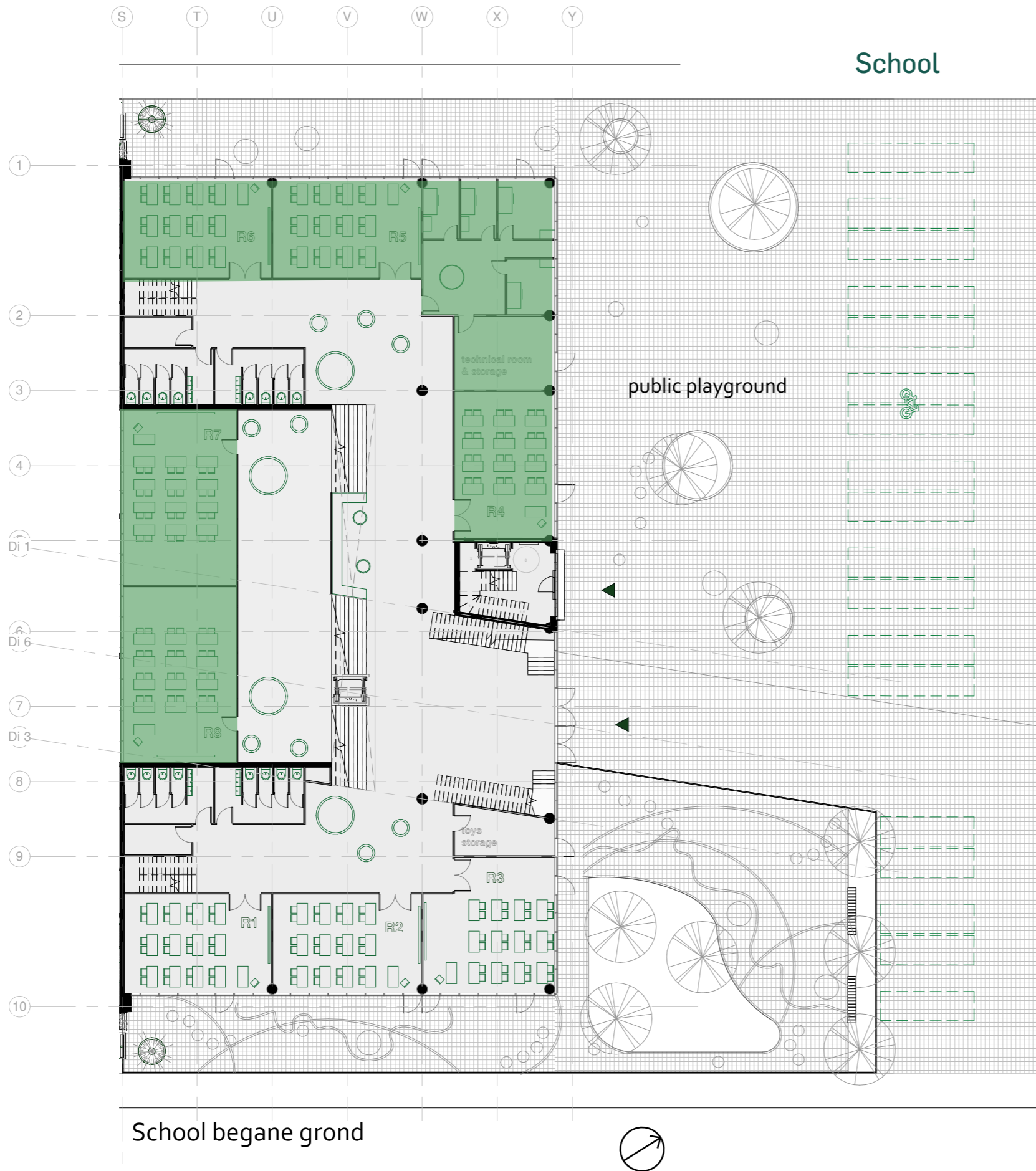


surface: 1151 m²

rooms on ground floor: 8

total amount of rooms: 15

groups: R1 - R3: group 1 and 2
 R4 - R6: group 3/4
 R7 - R8: group 5



School

public playground

School begane grond

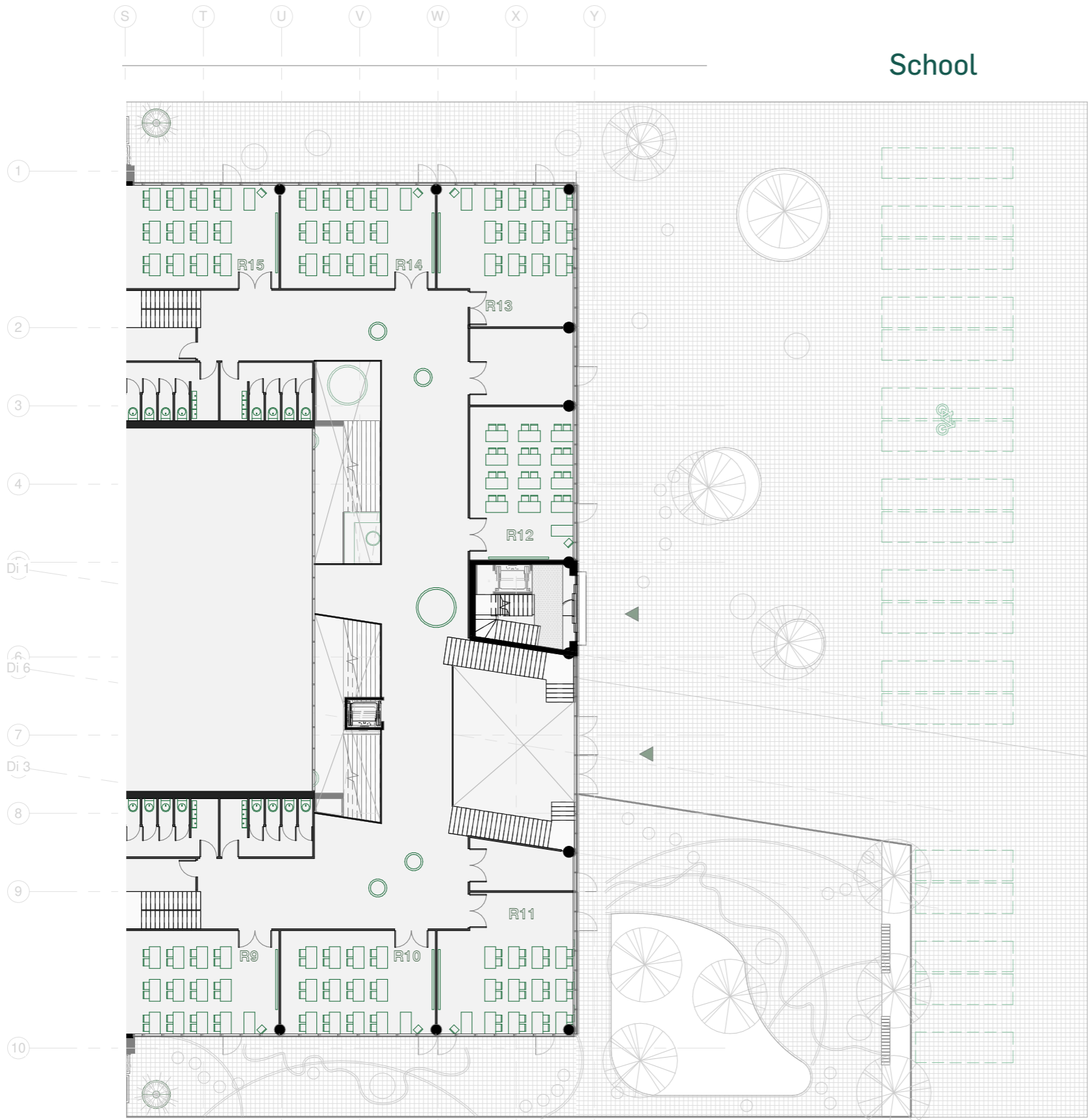
surface: 1151 m²

rooms on ground floor: 8

total amount of rooms: 15

groups: R1 - R3: group 1 and 2
 R4 - R6: group 3/4
 R7 - R8: group 5

School



School second floor



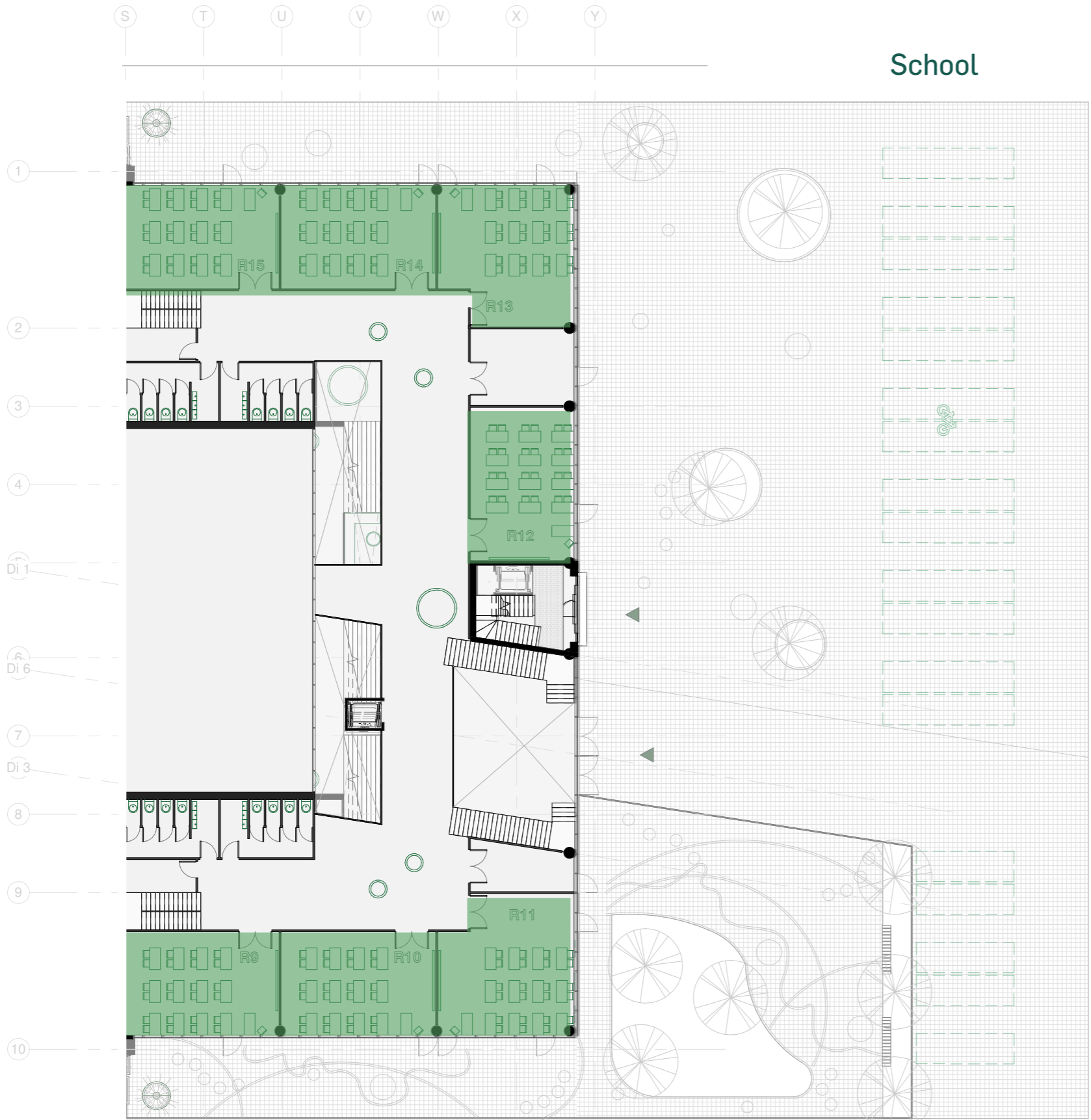
surface: 919 m2

amount of rooms on floor 1: 7

total amount of rooms: 15

- groups:
- R9 - R10: group 6
 - R11 - R12: group 7
 - R13- R14: group 8
 - R15: multifunctional room

School



School second floor



surface: 919 m2

amount of rooms on floor 1: 7

total amount of rooms: 15

groups: R9 - R10: group 6
 R11 - R12: group 7
 R13- R14: group 8
 R15: multifunctional room







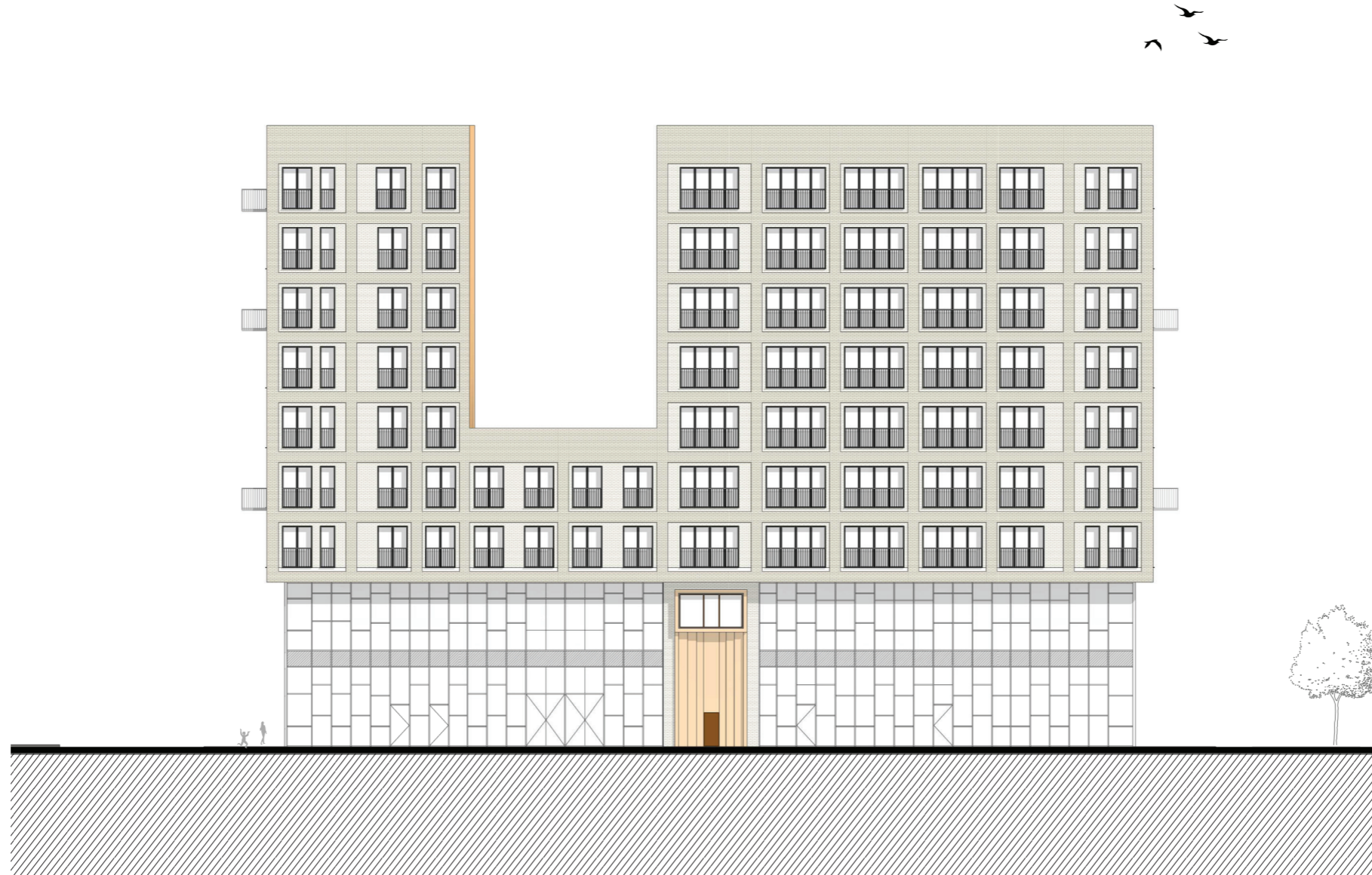


Facades

north west facade

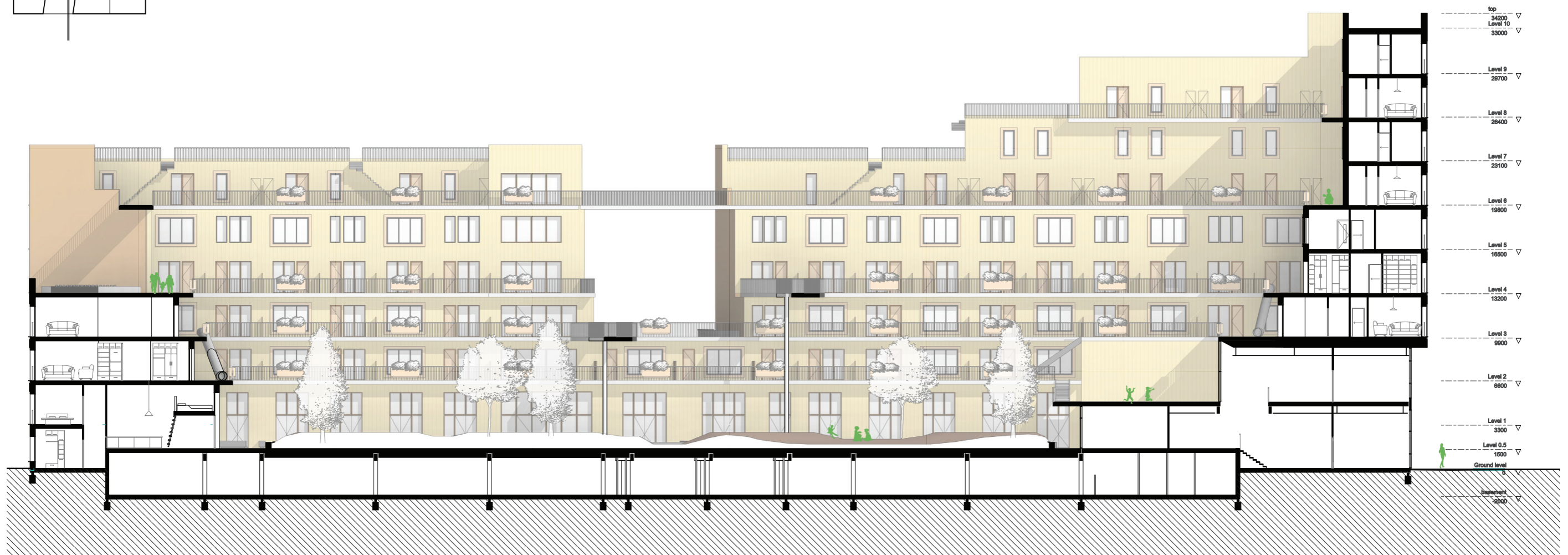
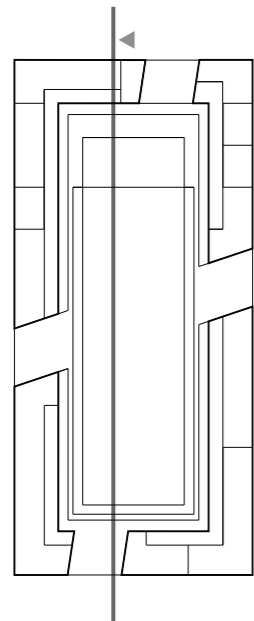


north-east facade



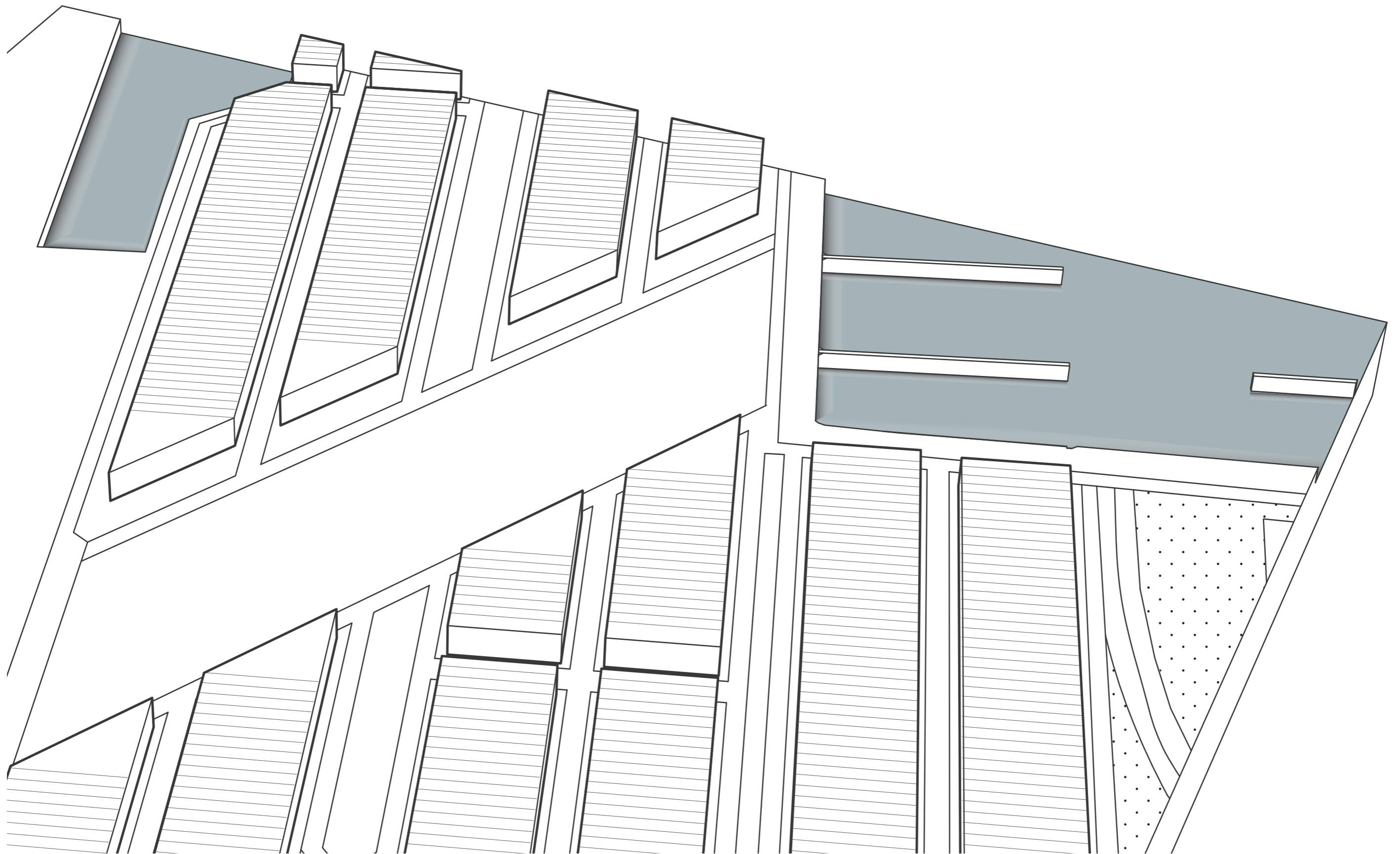
Internal facade



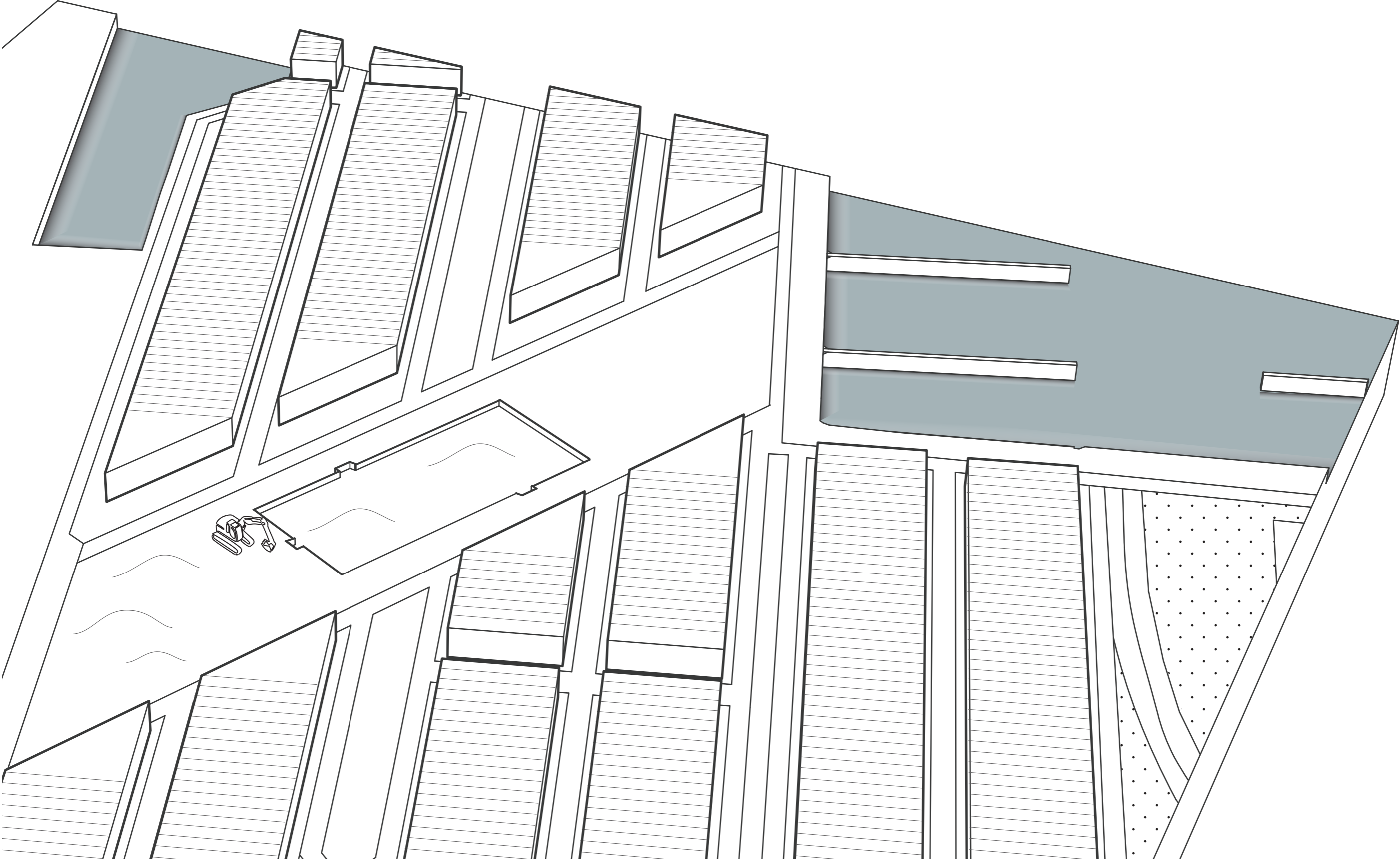


doorsnede lange zijde

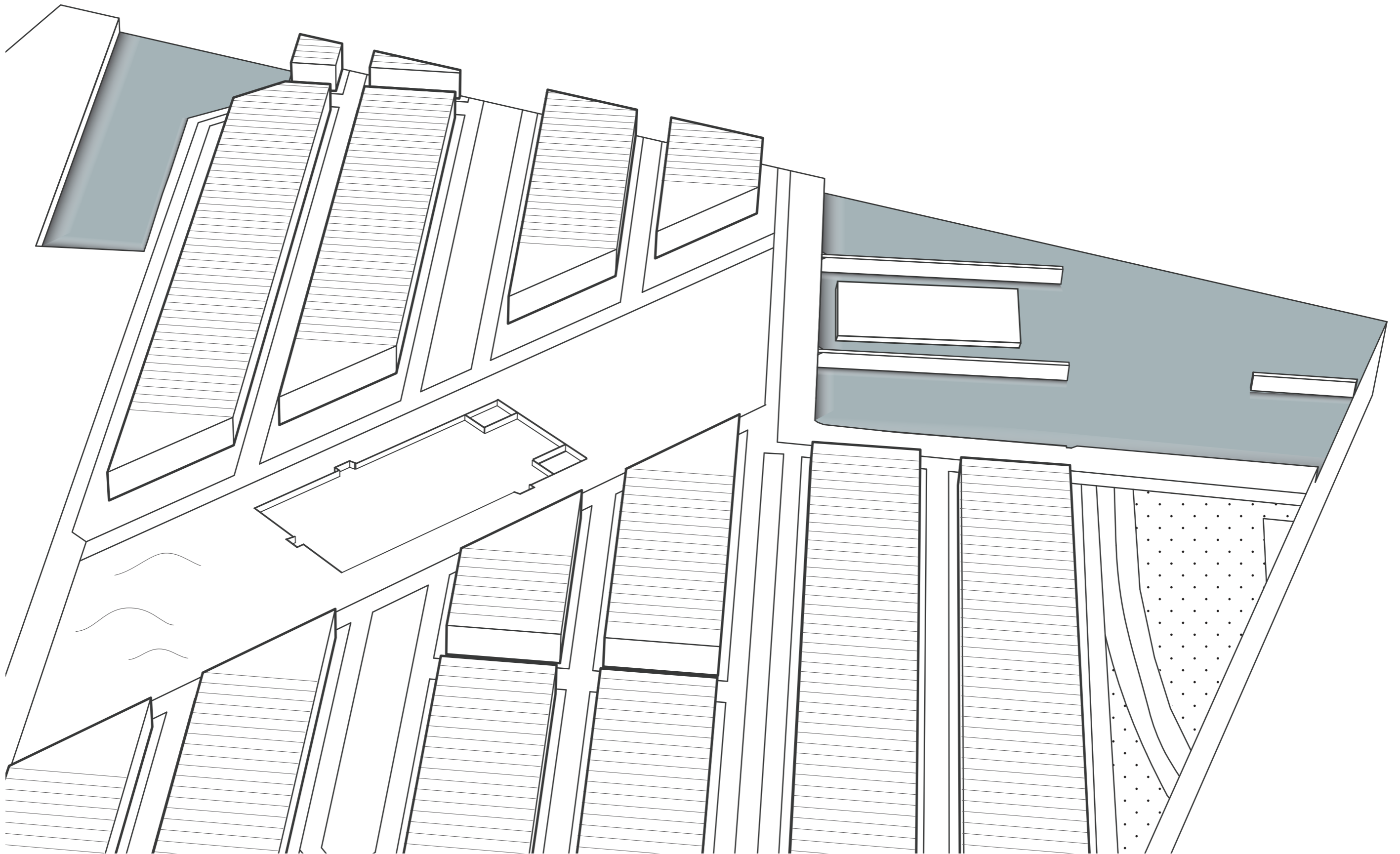
Construction



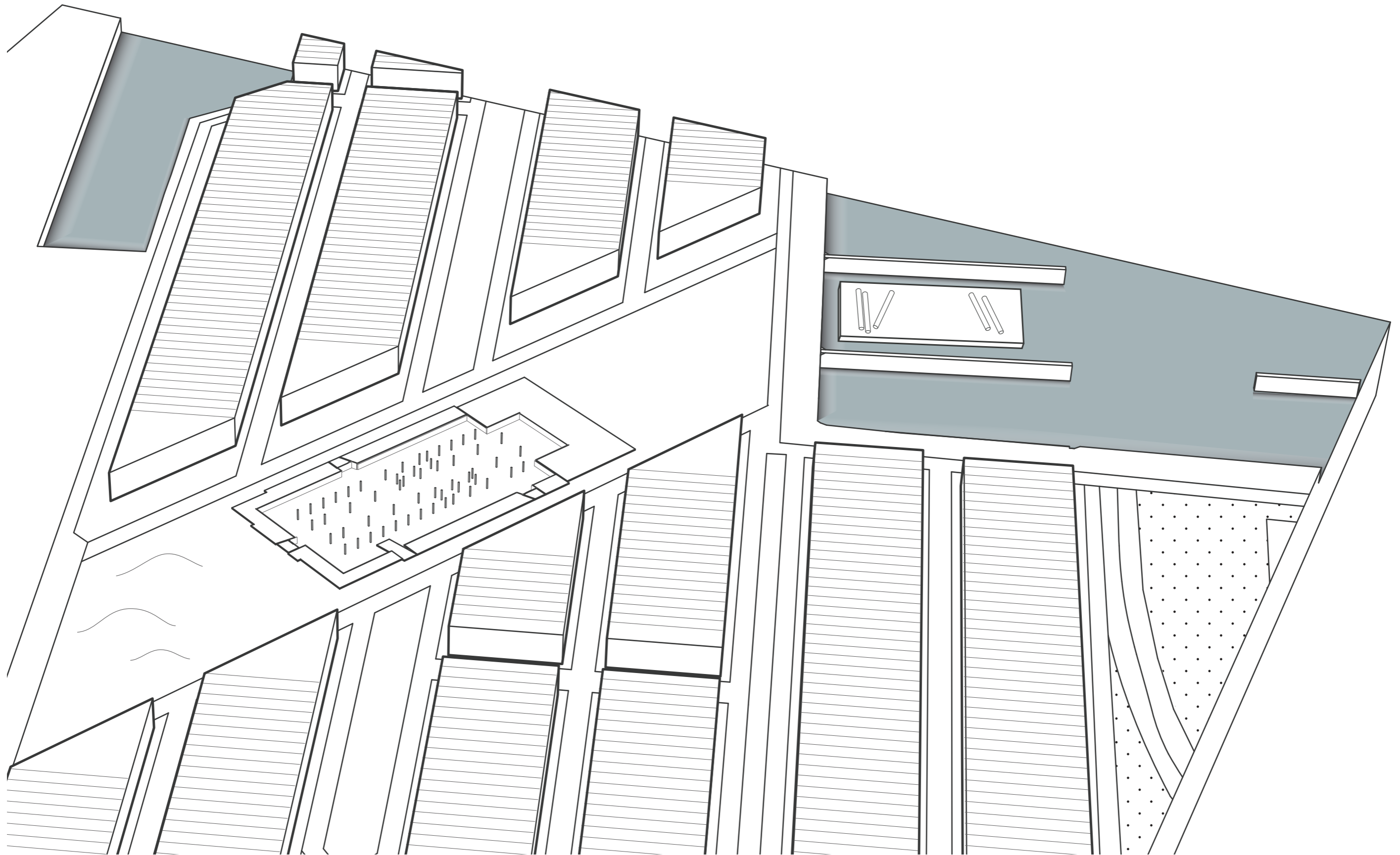
digging



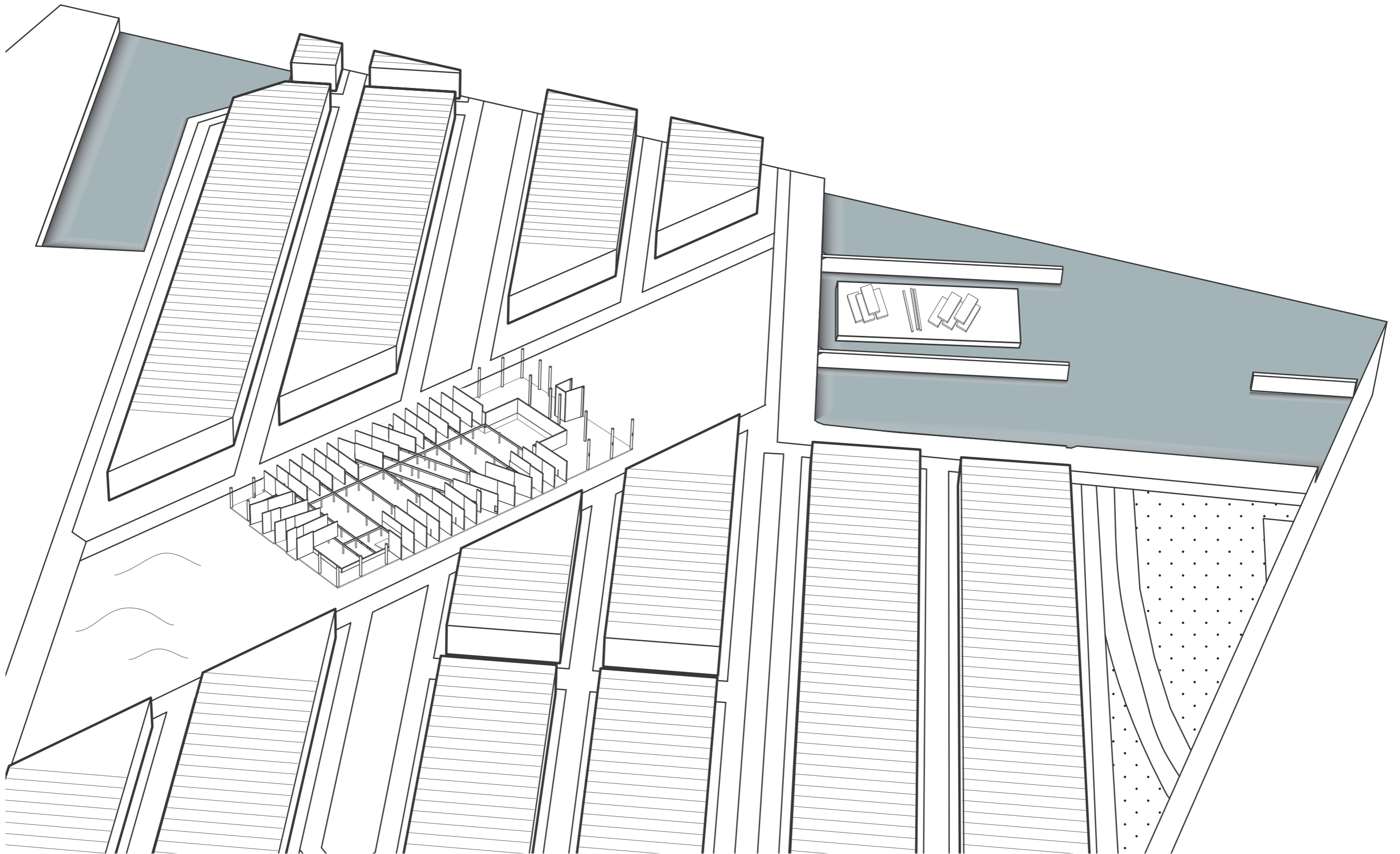
concrete foundation



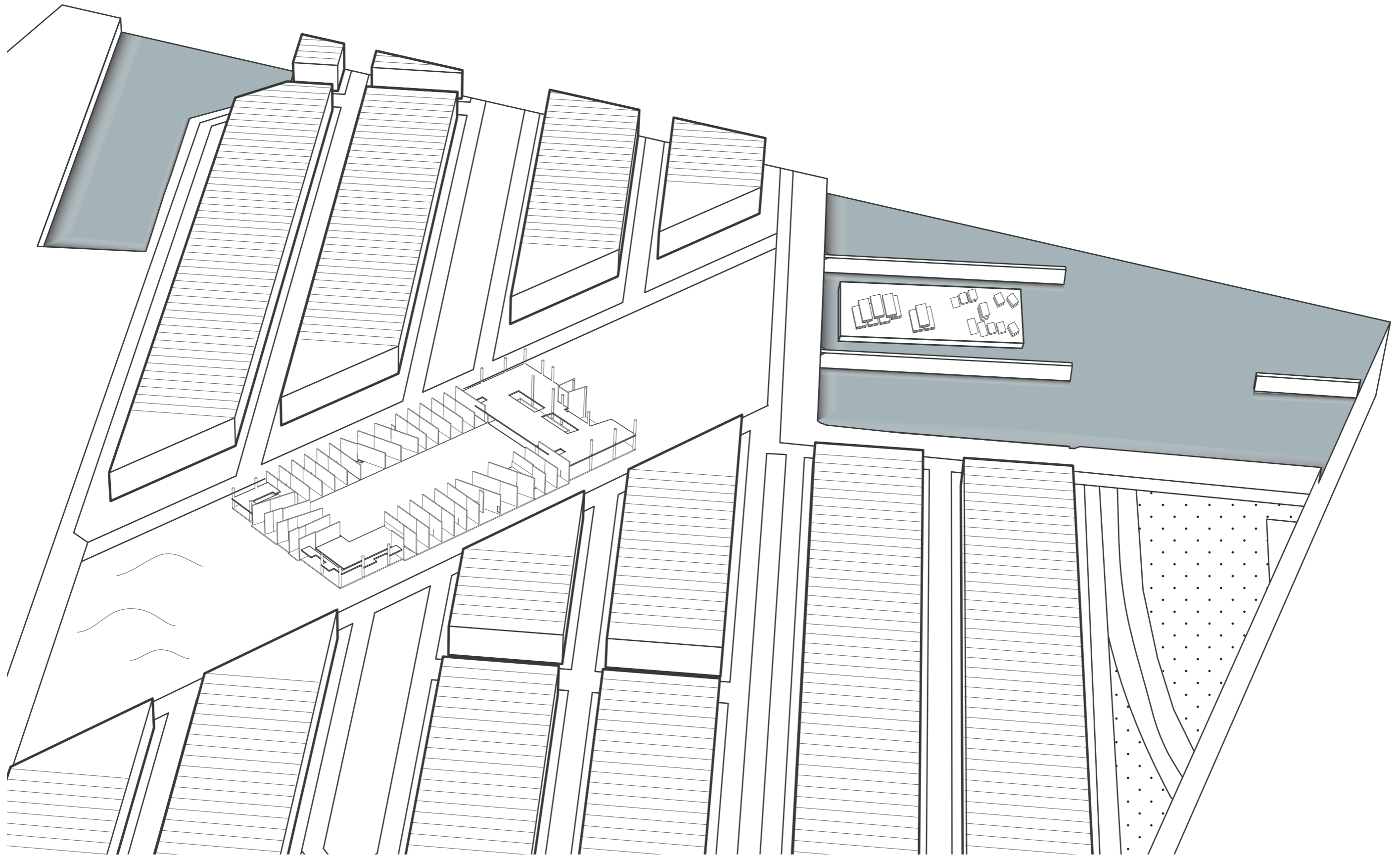
concrete floors



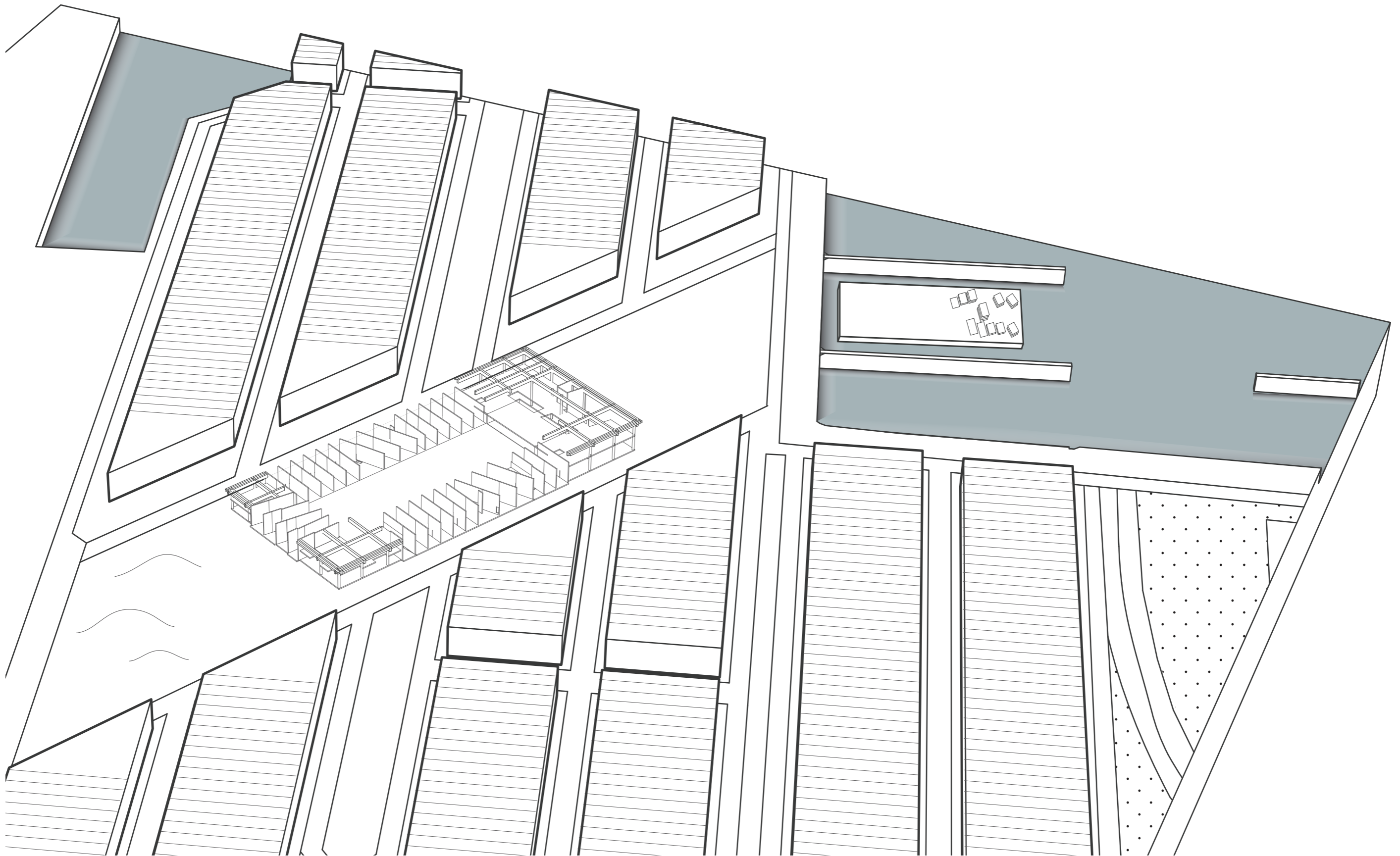
concrete walls



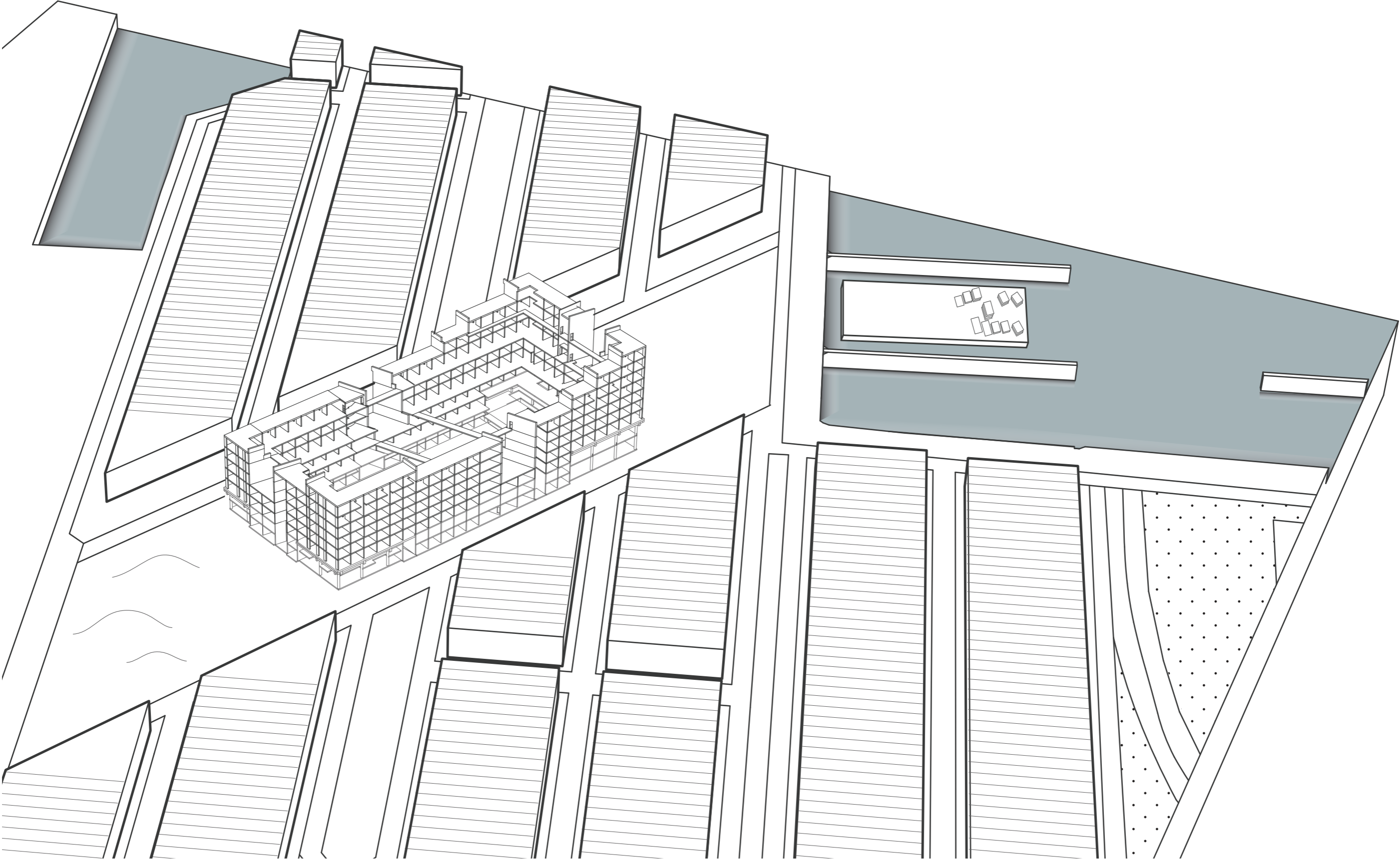
concrete floors



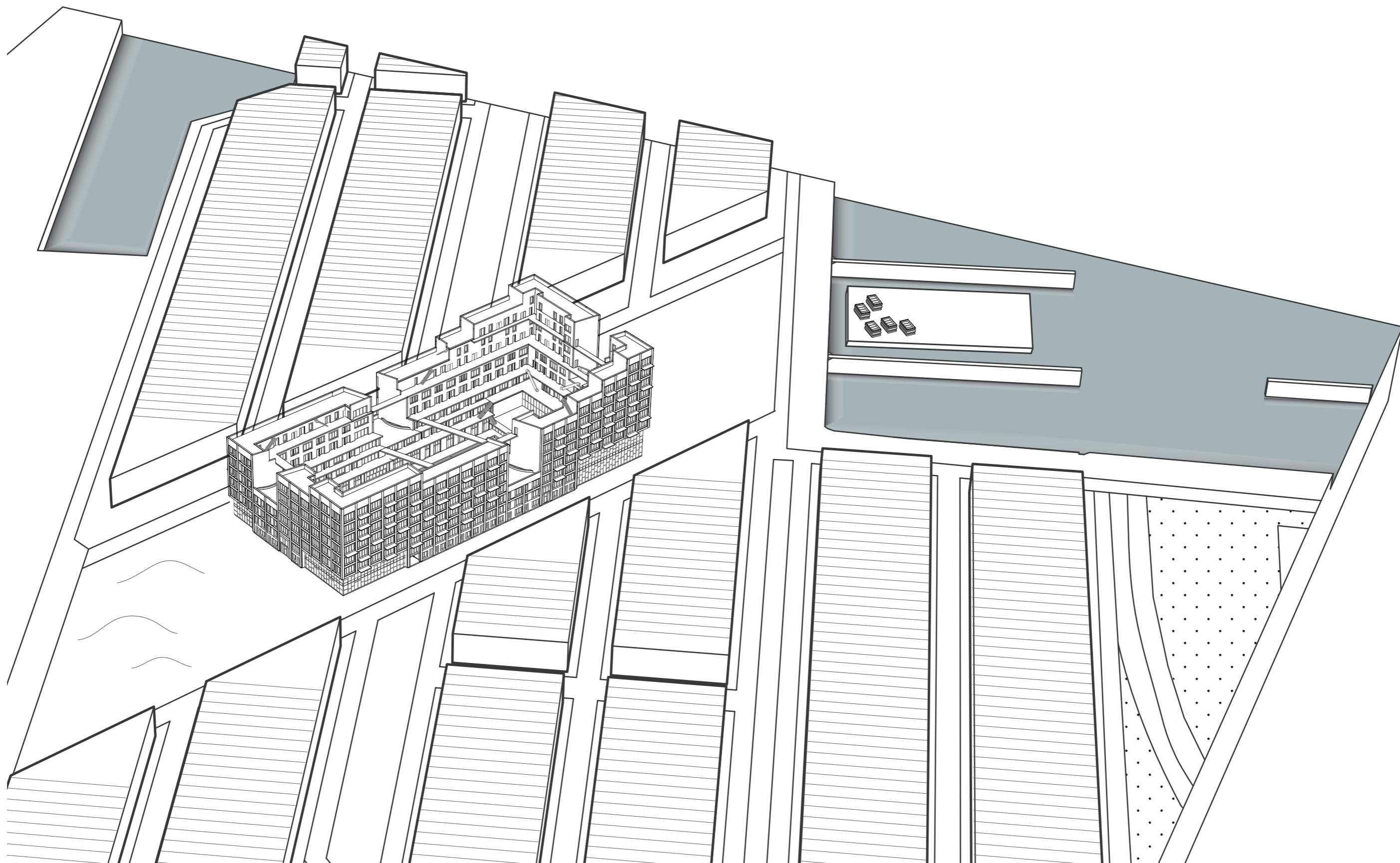
beams in public function



CLT construction

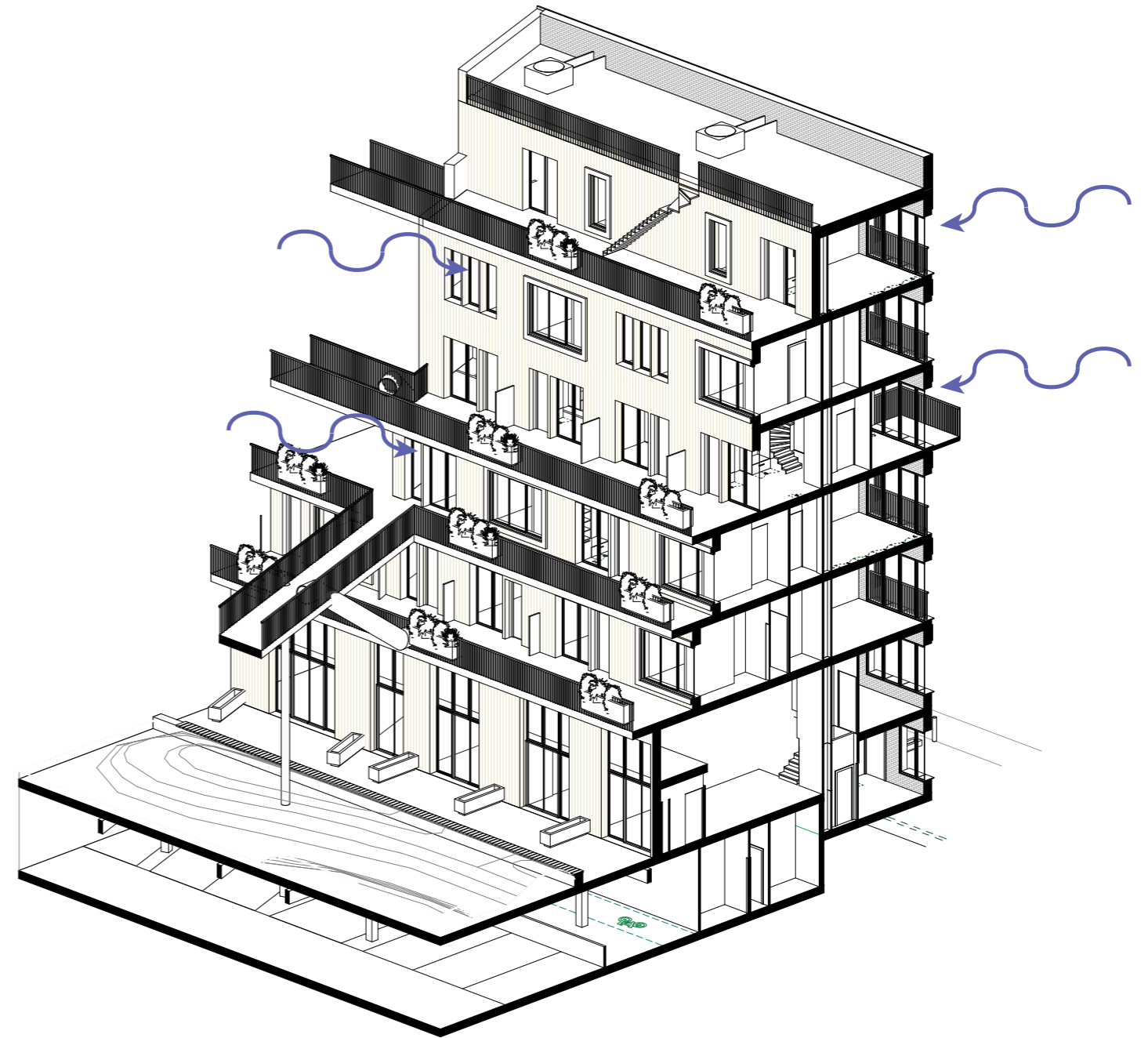
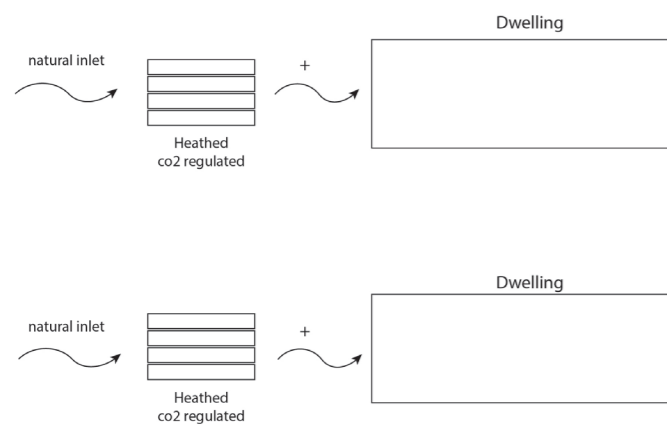


HSB facade elements

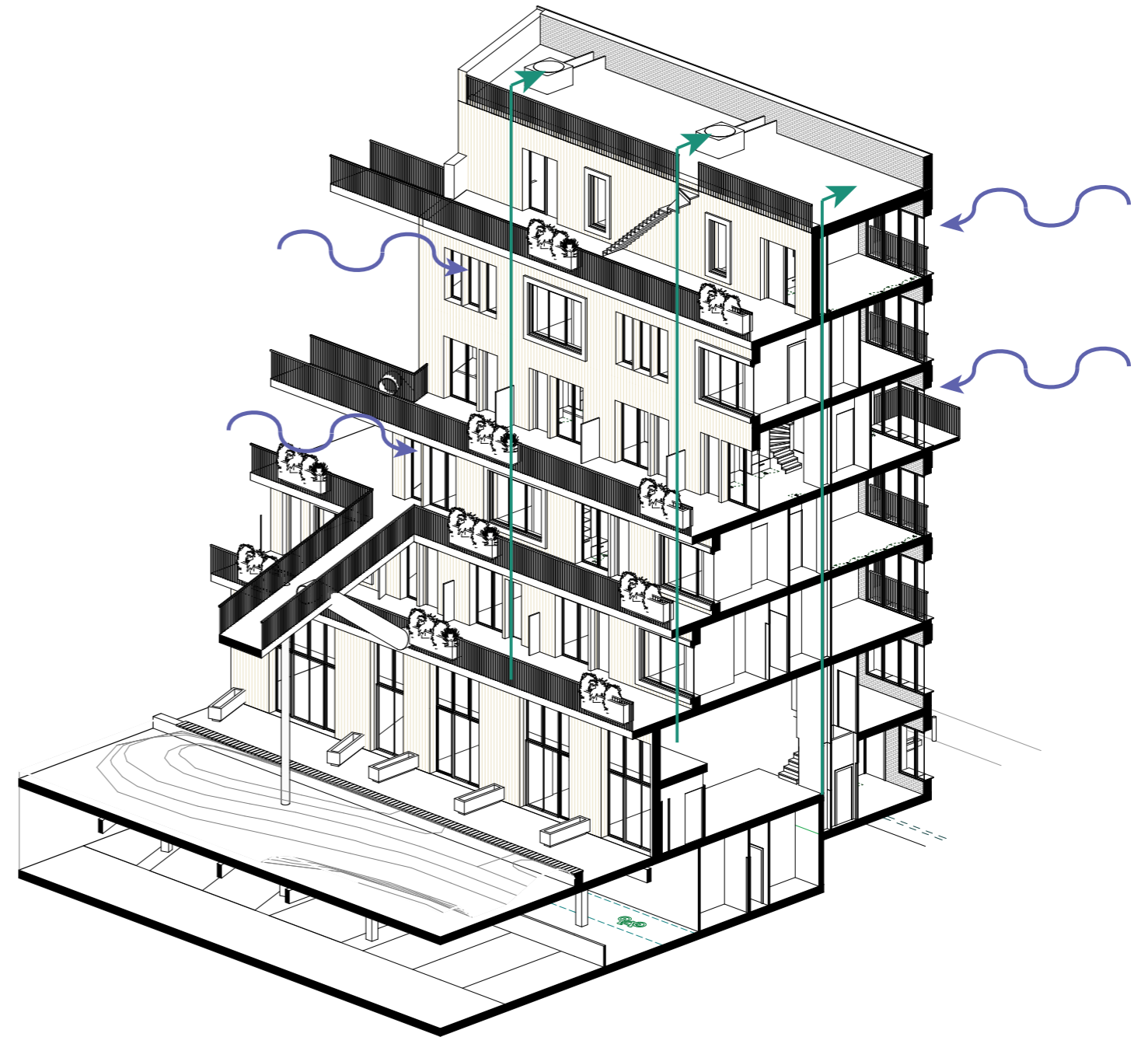
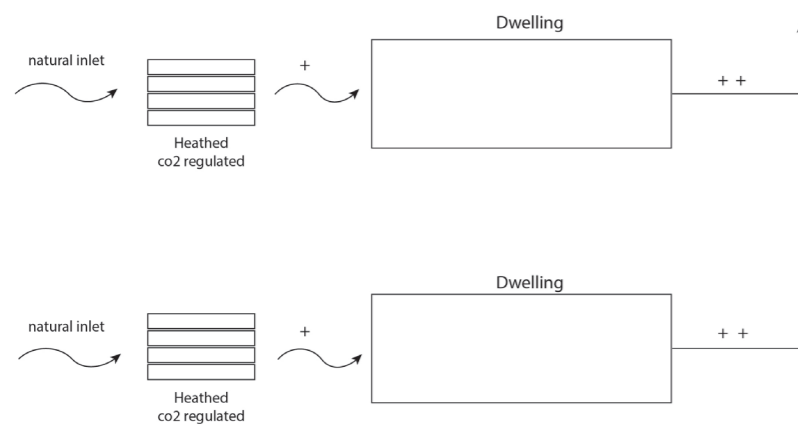


Building comfort

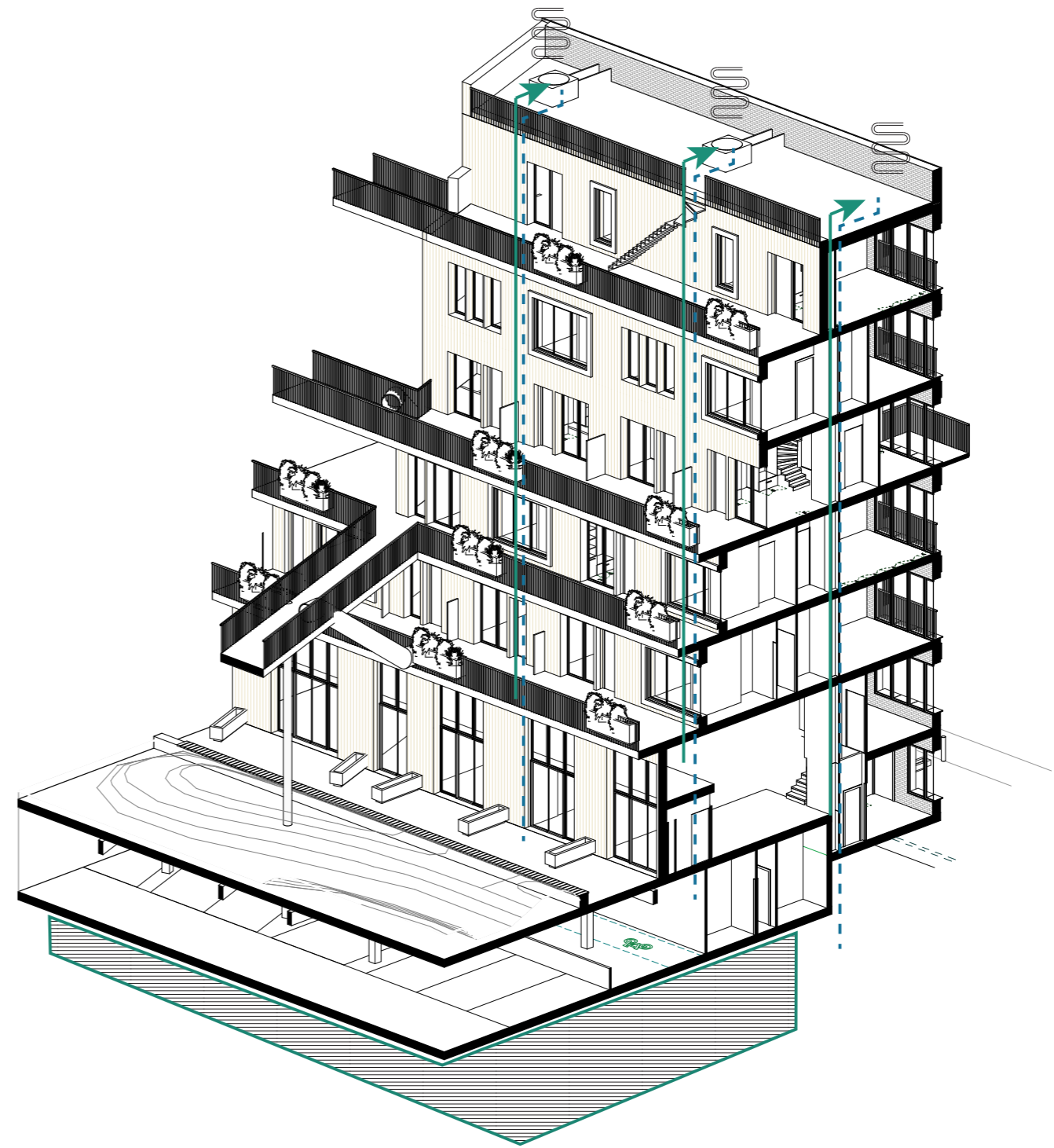
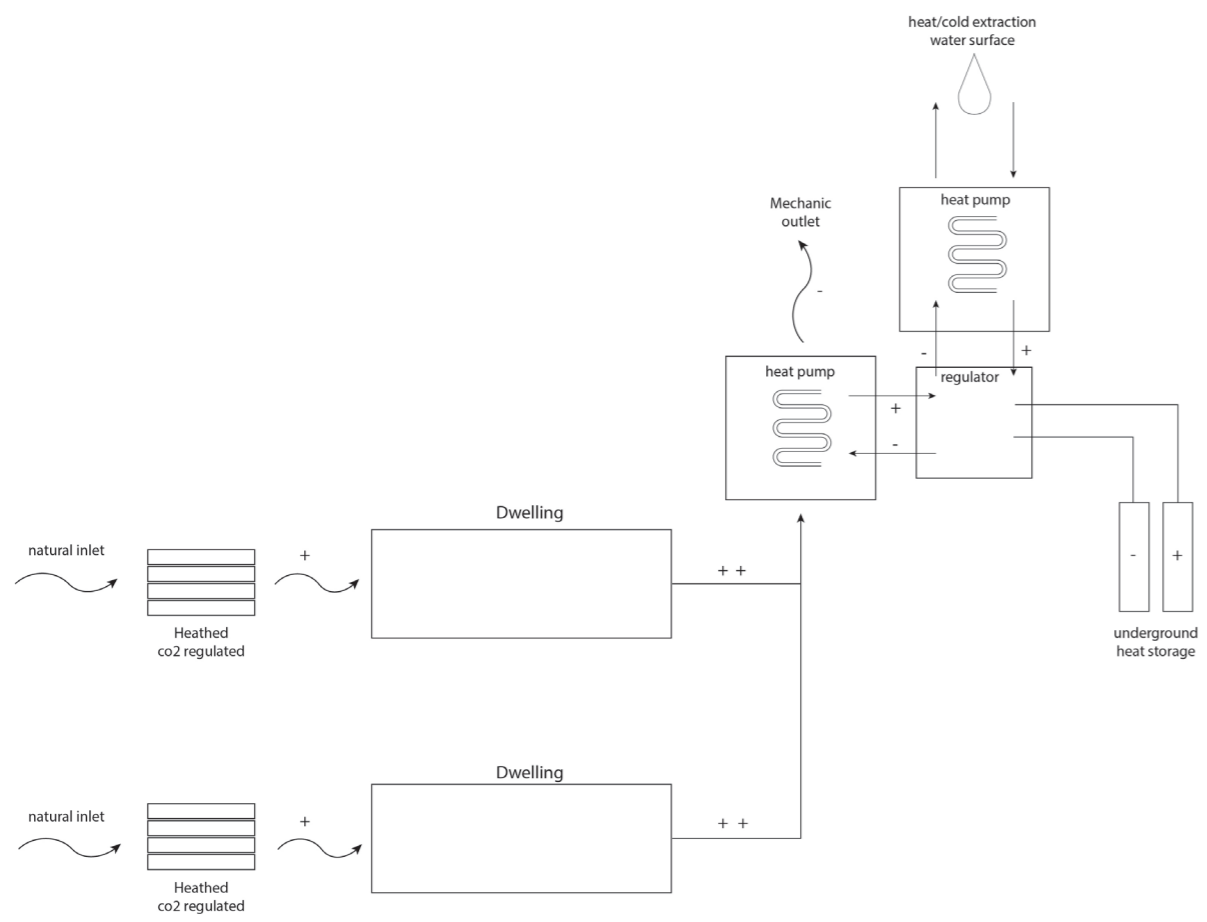
natural inlet



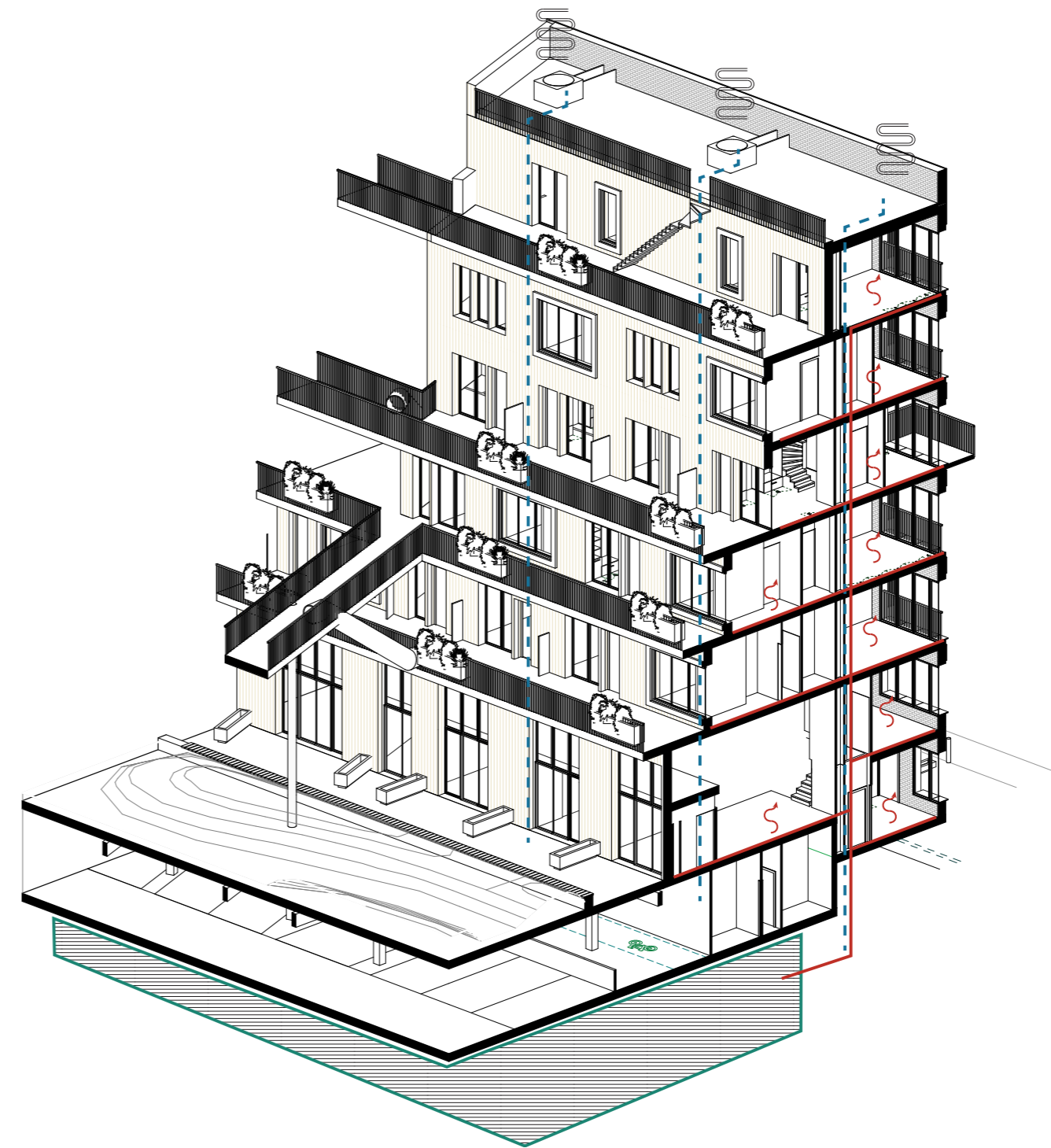
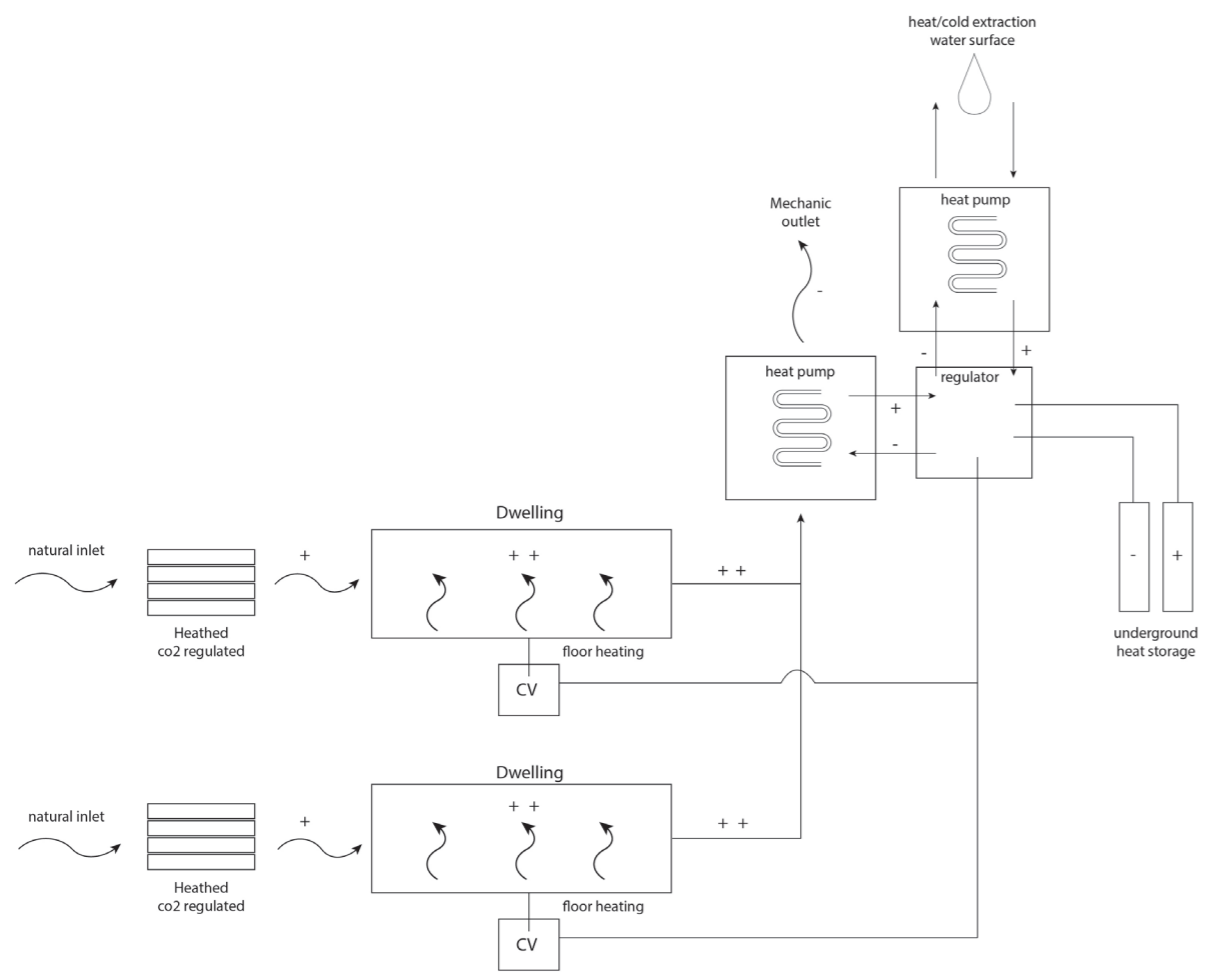
mechanic outlet



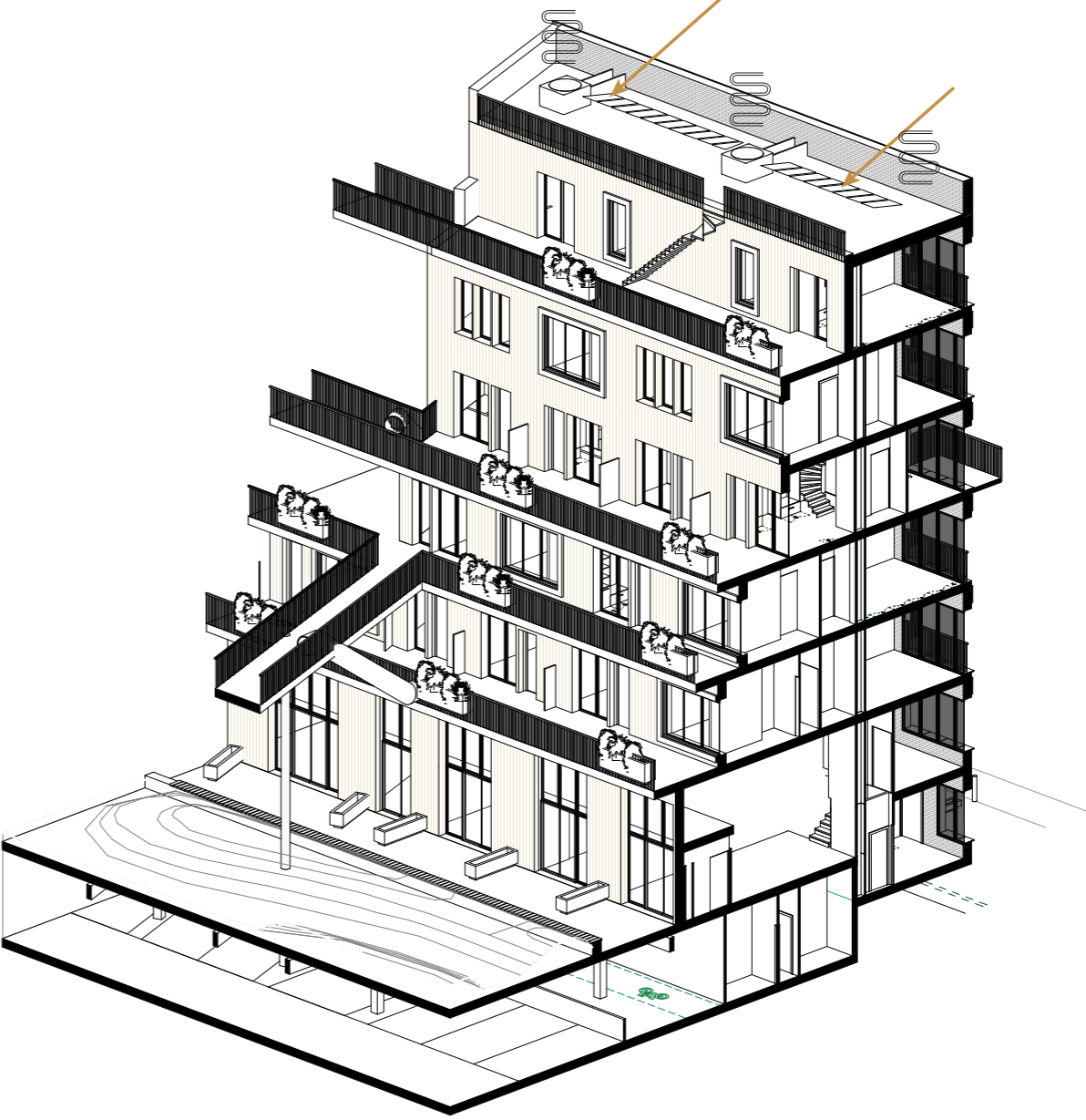
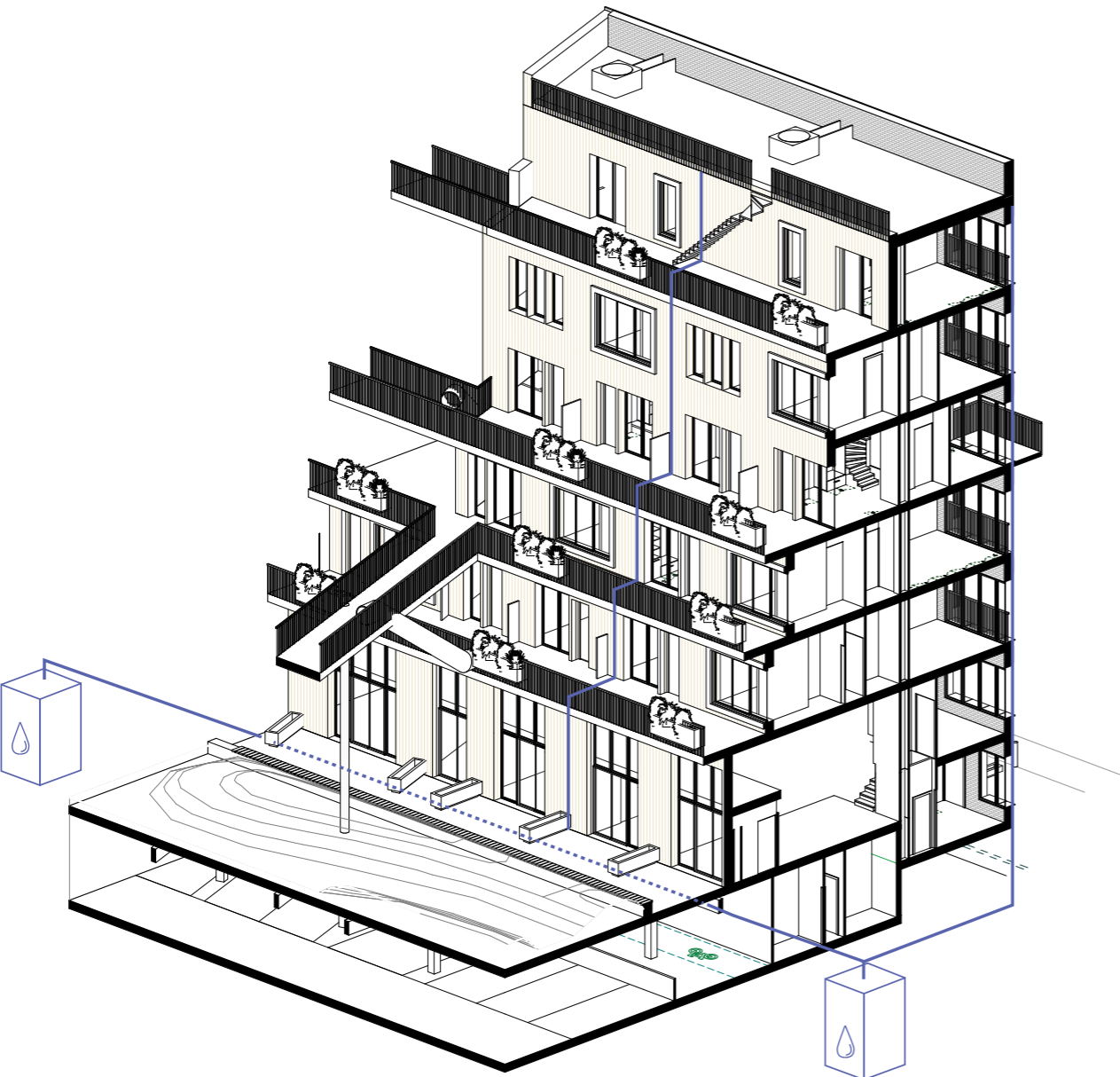
heat storage



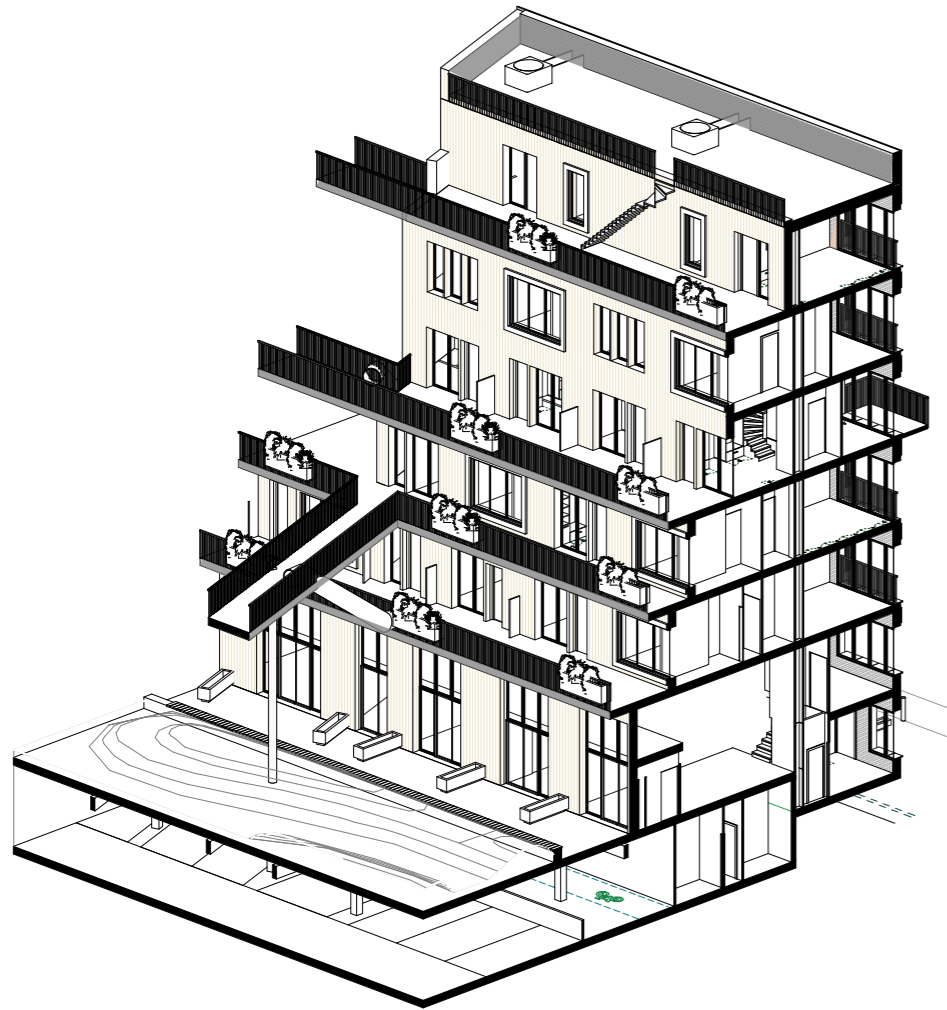
floor heating



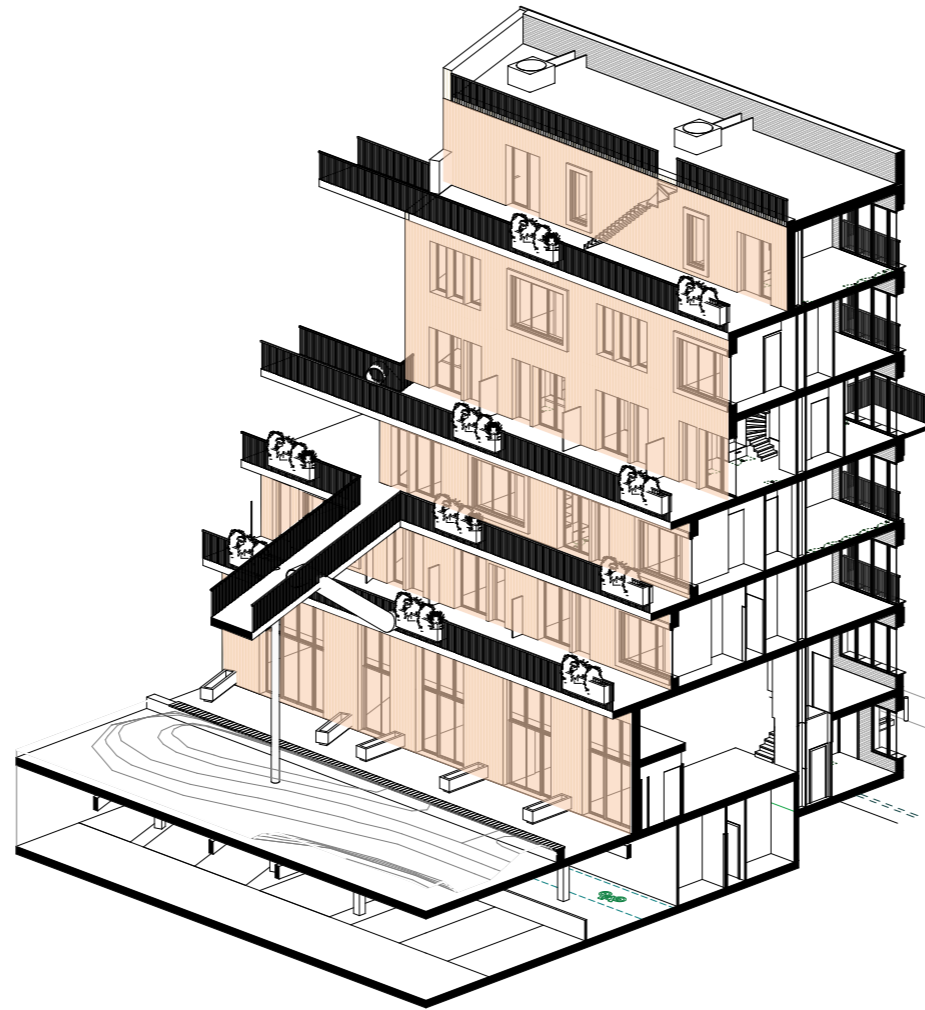
water reuse and sun blinds



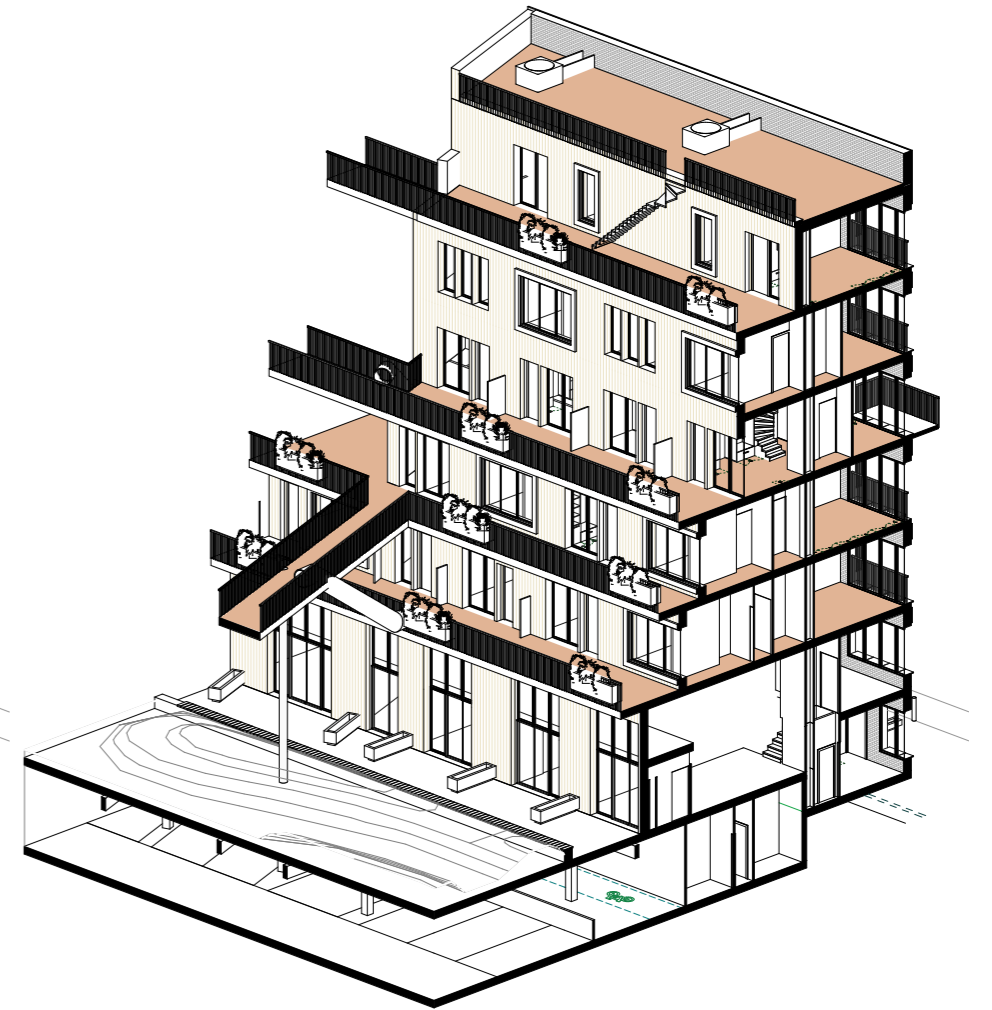
sustainable materials



Clickbrick



Red Cedar



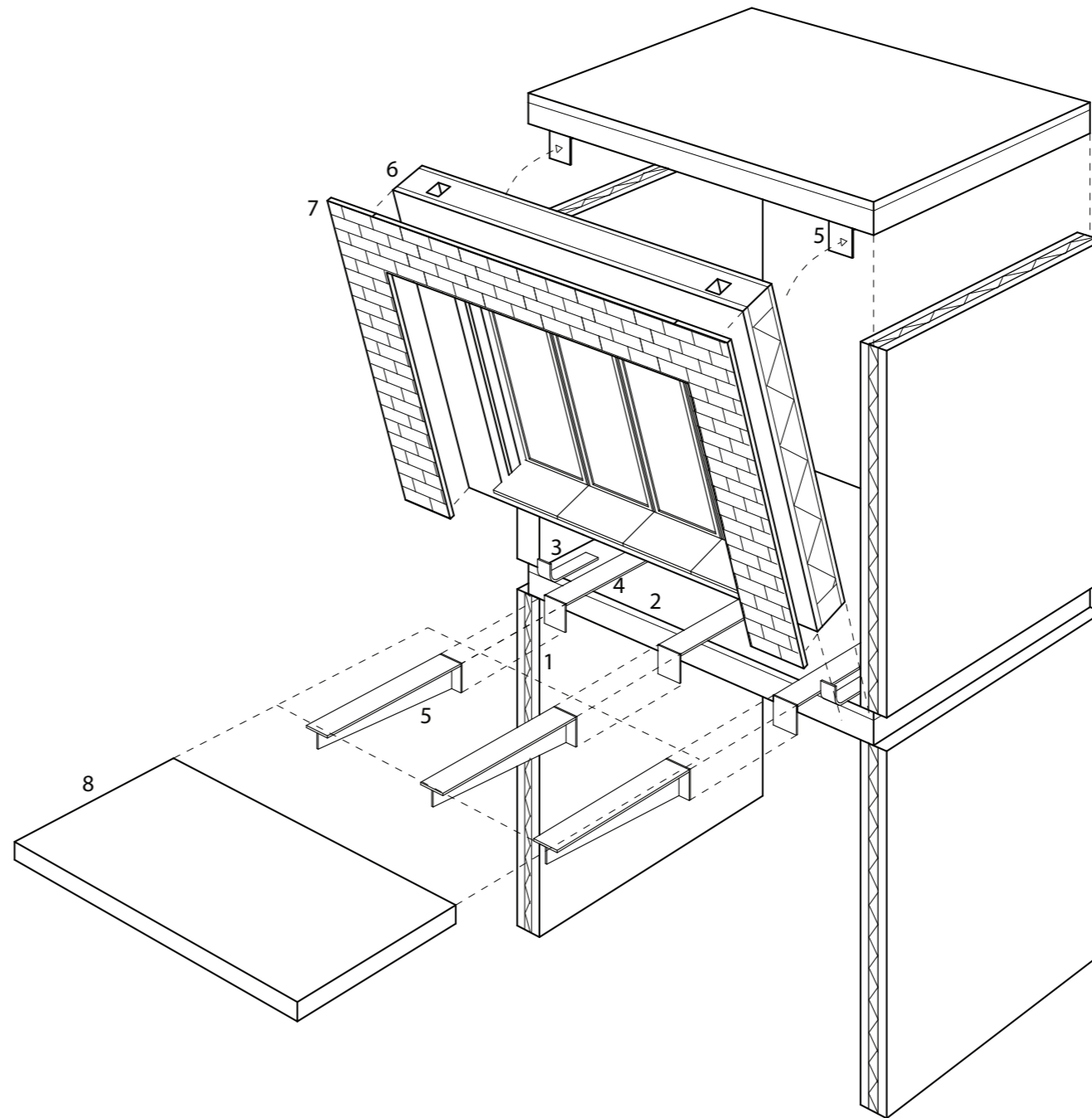
CLT

Details

facade assembly



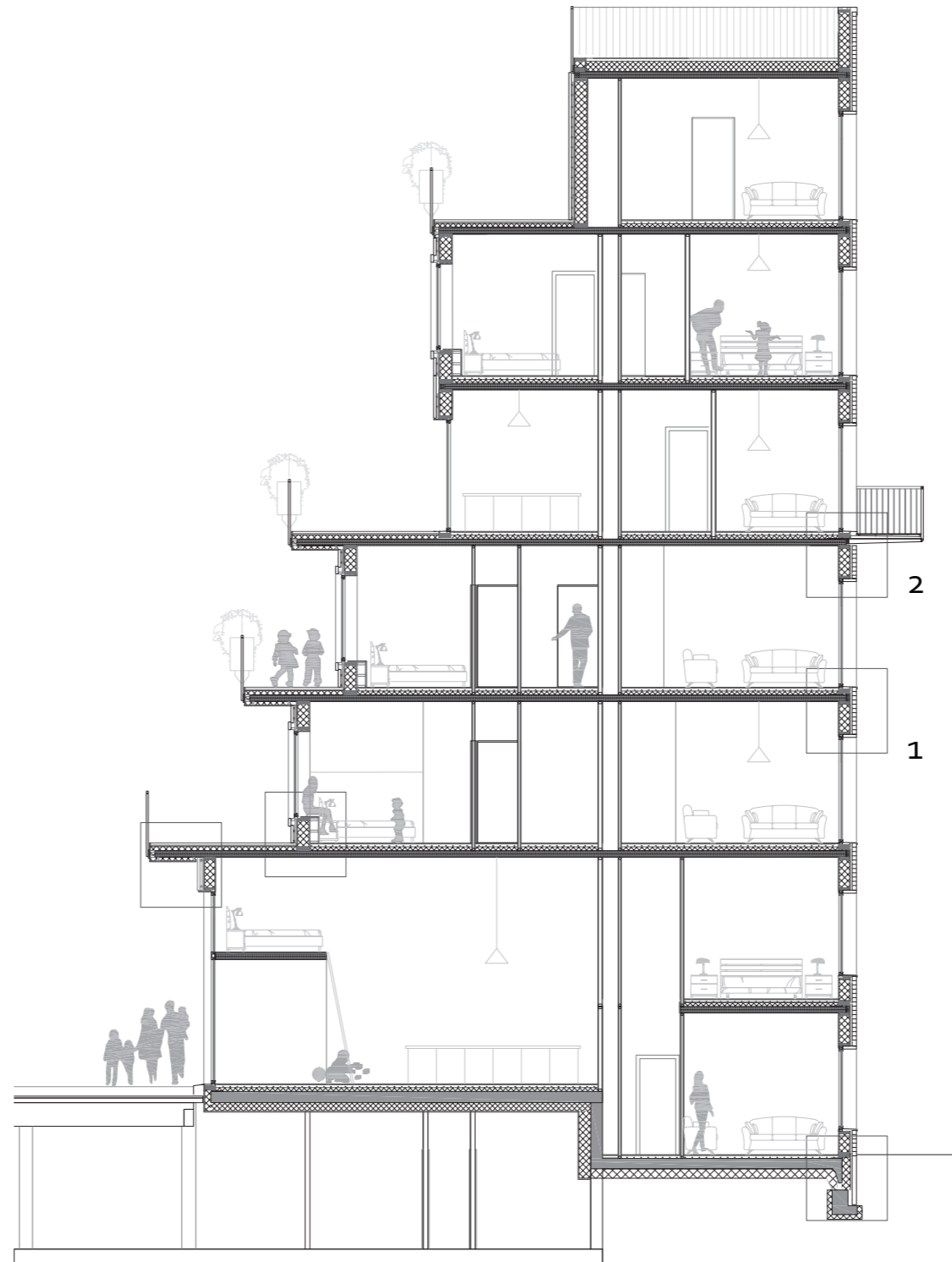
- 1: CLT wanden
- 2: CLT vloeren
- 3: HSB ankers
- 4: balkon ankers
- 5: balkon liggers
- 6: prefab HSB element
- 7: Clickbrick
- 8: balkon plaat



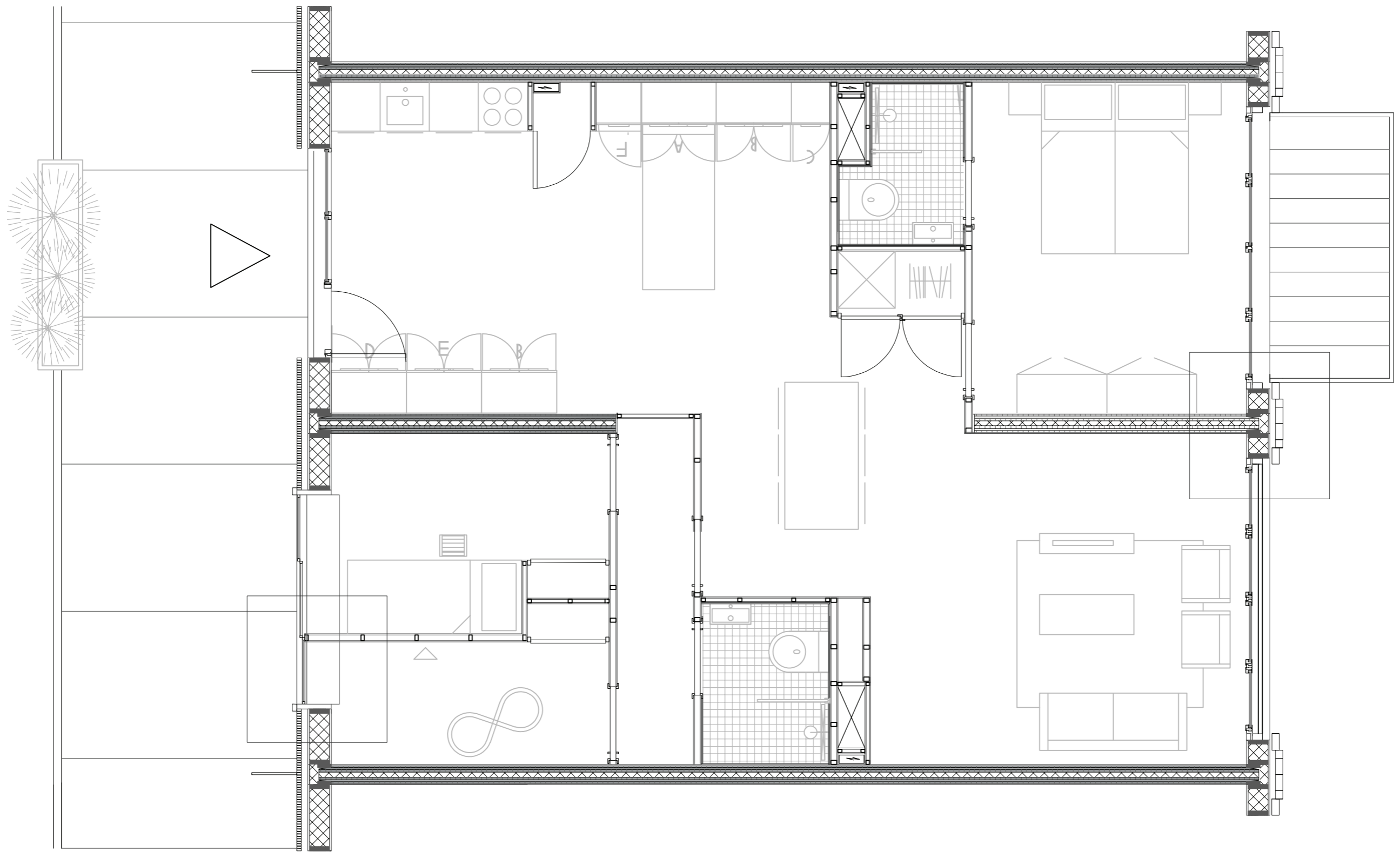
technical overview



internal facade

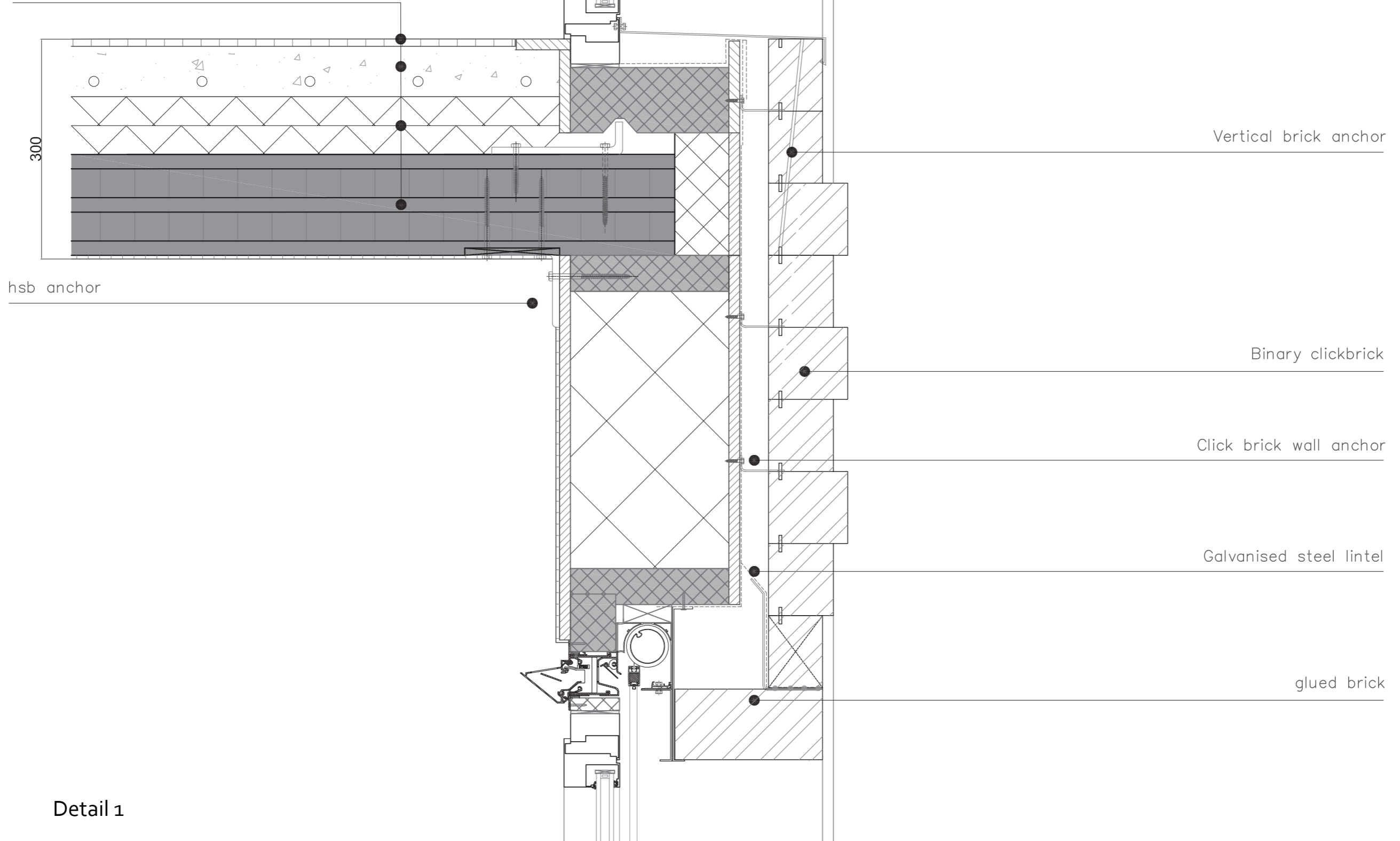


external facade

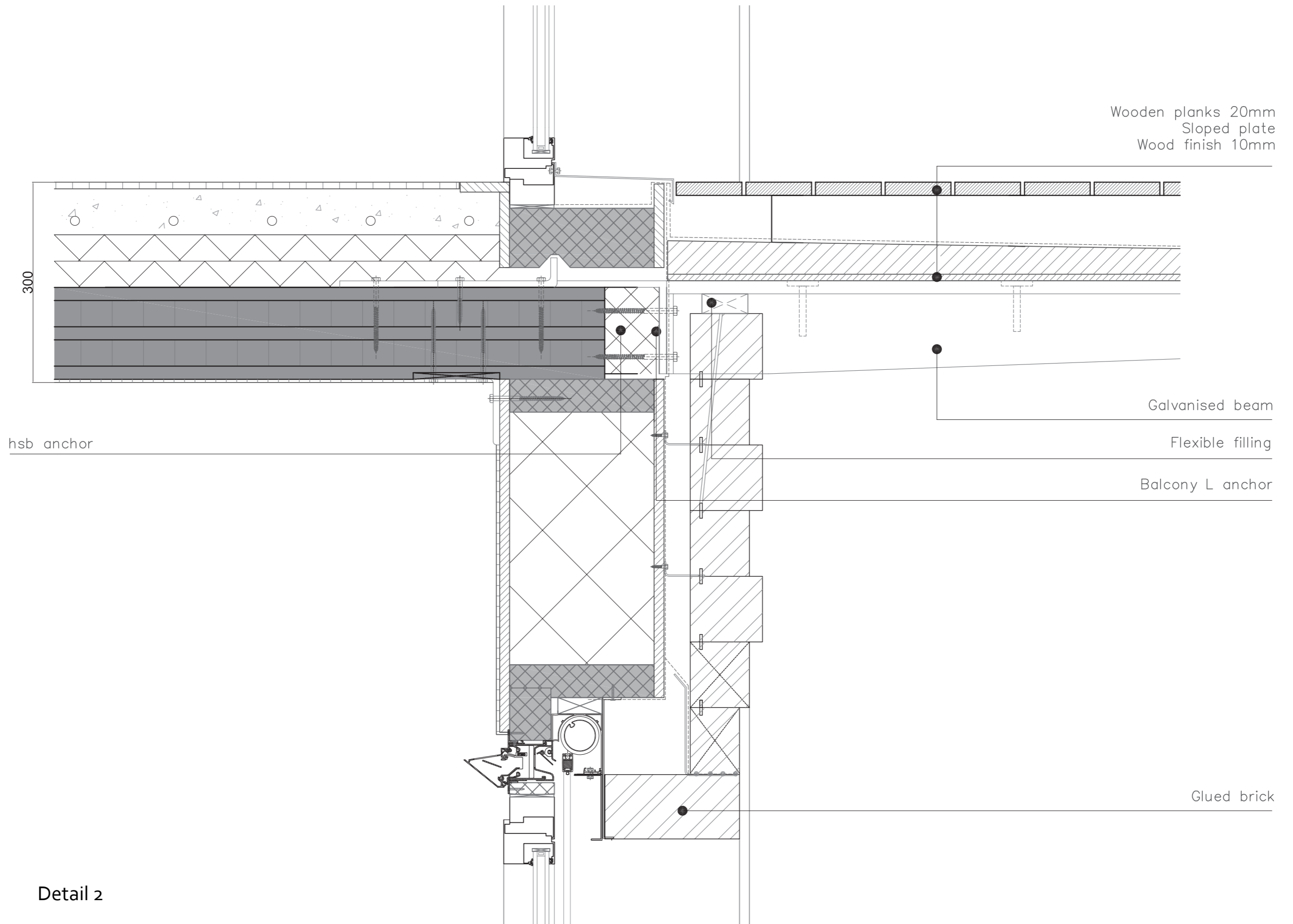


diagonal dwelling 1:50

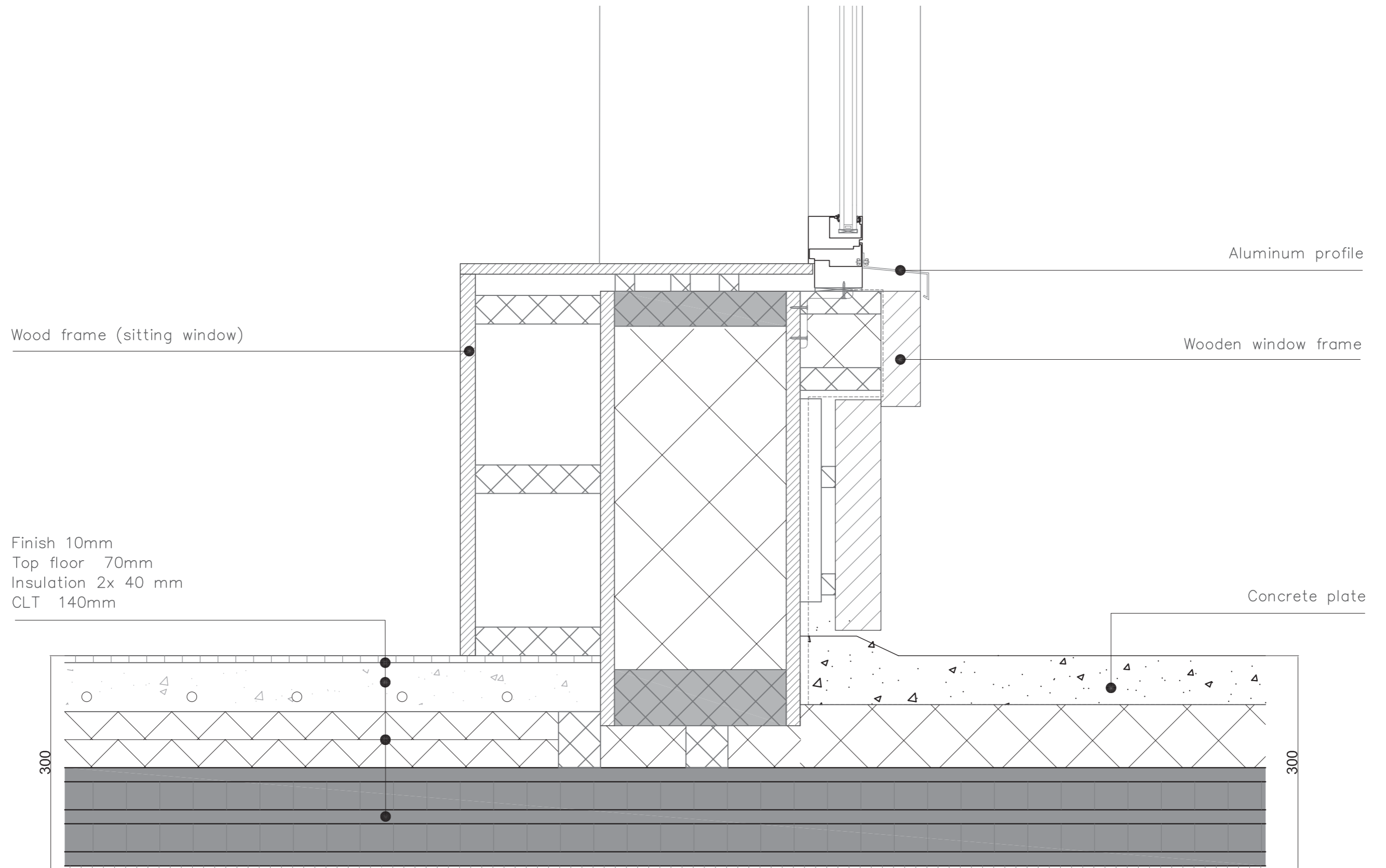
Finish 10mm
Top floor 70mm
Insulation 2x 40 mm
CLT 140mm



Detail 1

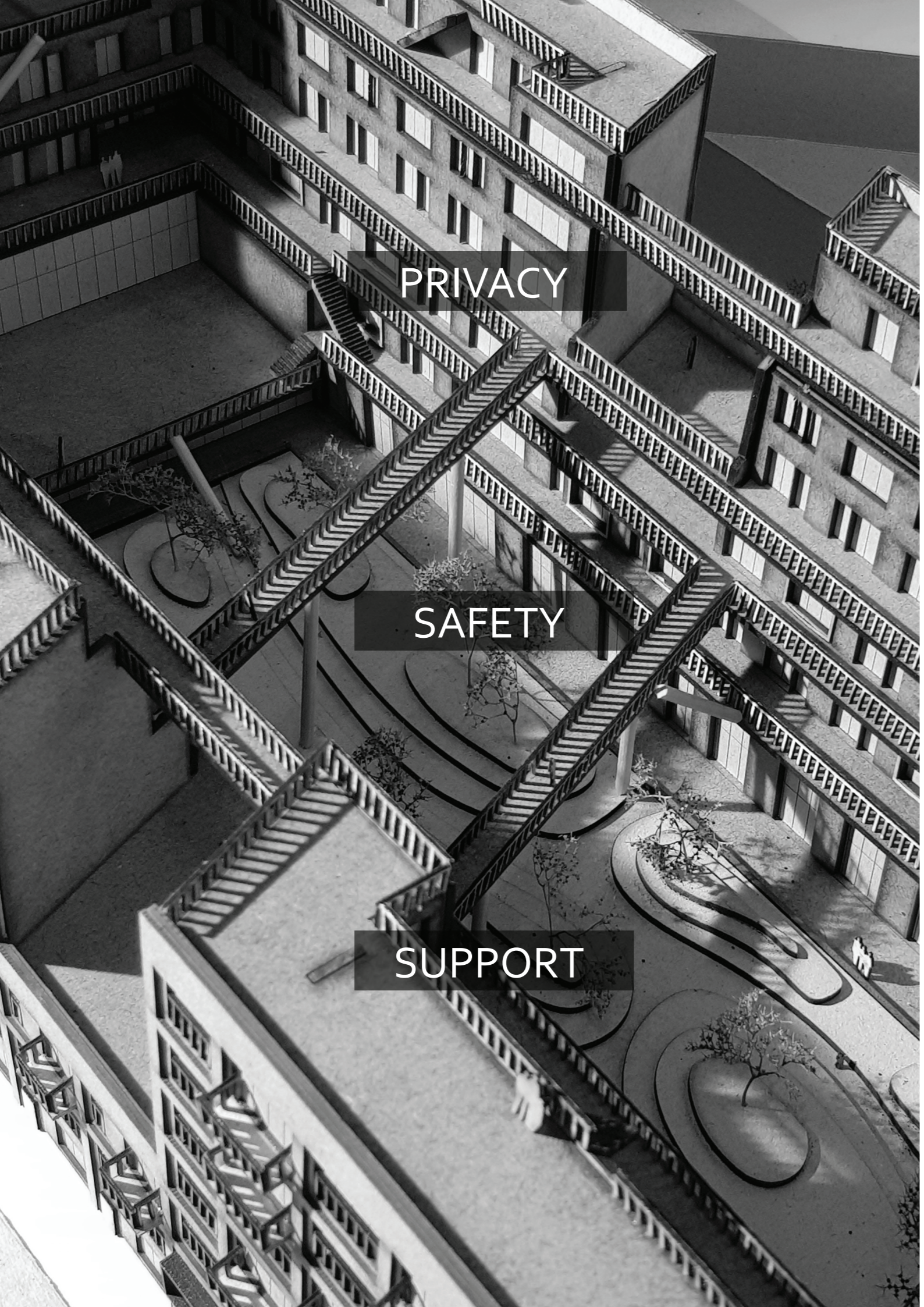


Detail 2



Detail 3

Conclusion



PRIVACY

SAFETY

SUPPORT



SPACE

FACILITIES

PRICE