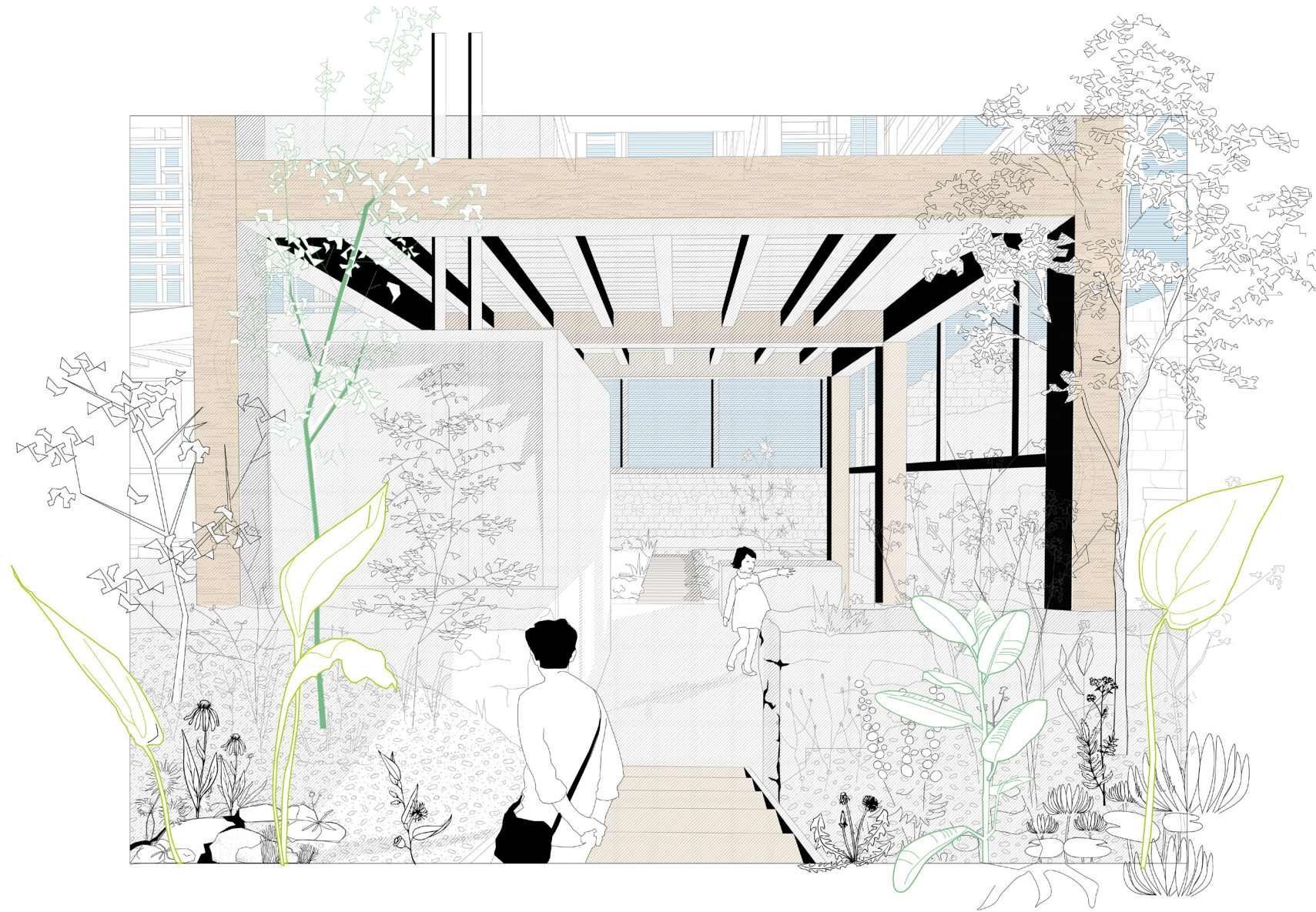


The Living Library



P5 Presentation
Sara Perera-Hammond

tutors
Armina Pilav
Ferry Adema

glossary

chapter 1 research
the context: place and theory

chapter 2 analysis
the site

chapter 3 design
zoning
transforming
programming
cycles

chapter 1 research

glossary

disturbance;

destructive action which becomes a catalyst
to alter the existing space to create new
habitats

decay;

natural process of material transformation
from one state to another

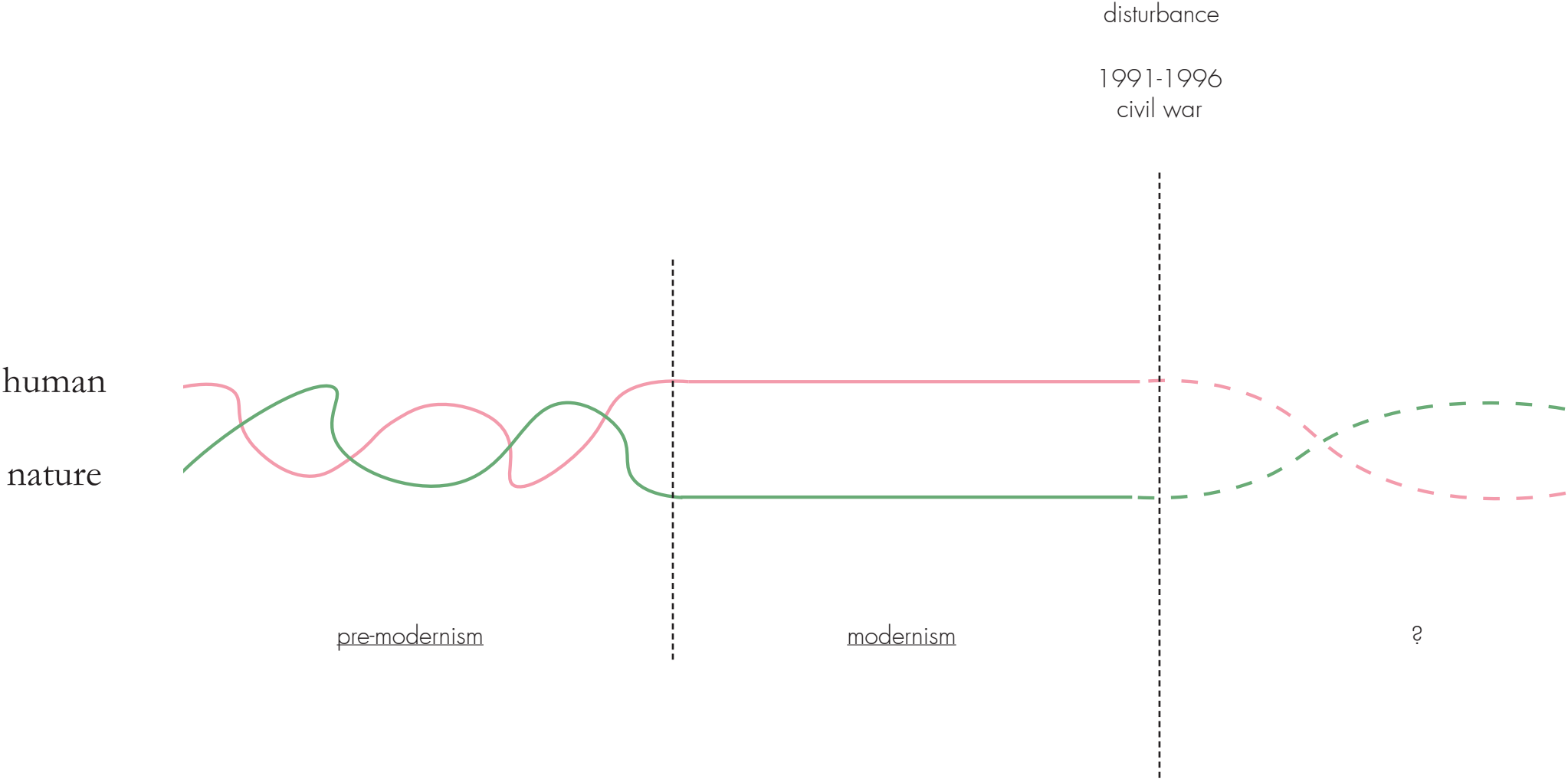
collaboration;

symbiotic relationships between human and
non-humans

co-cultivation;

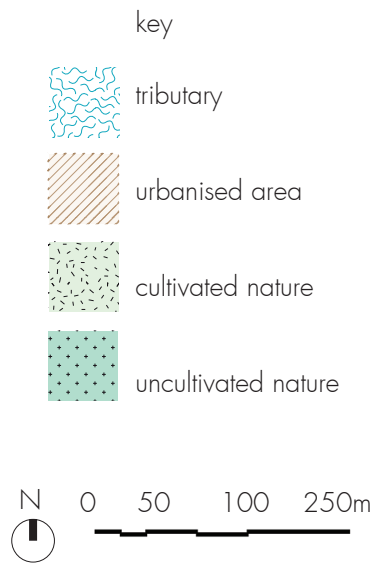
a shared inhabitation of the landscape be-
tween human and non-human

human - nature relations

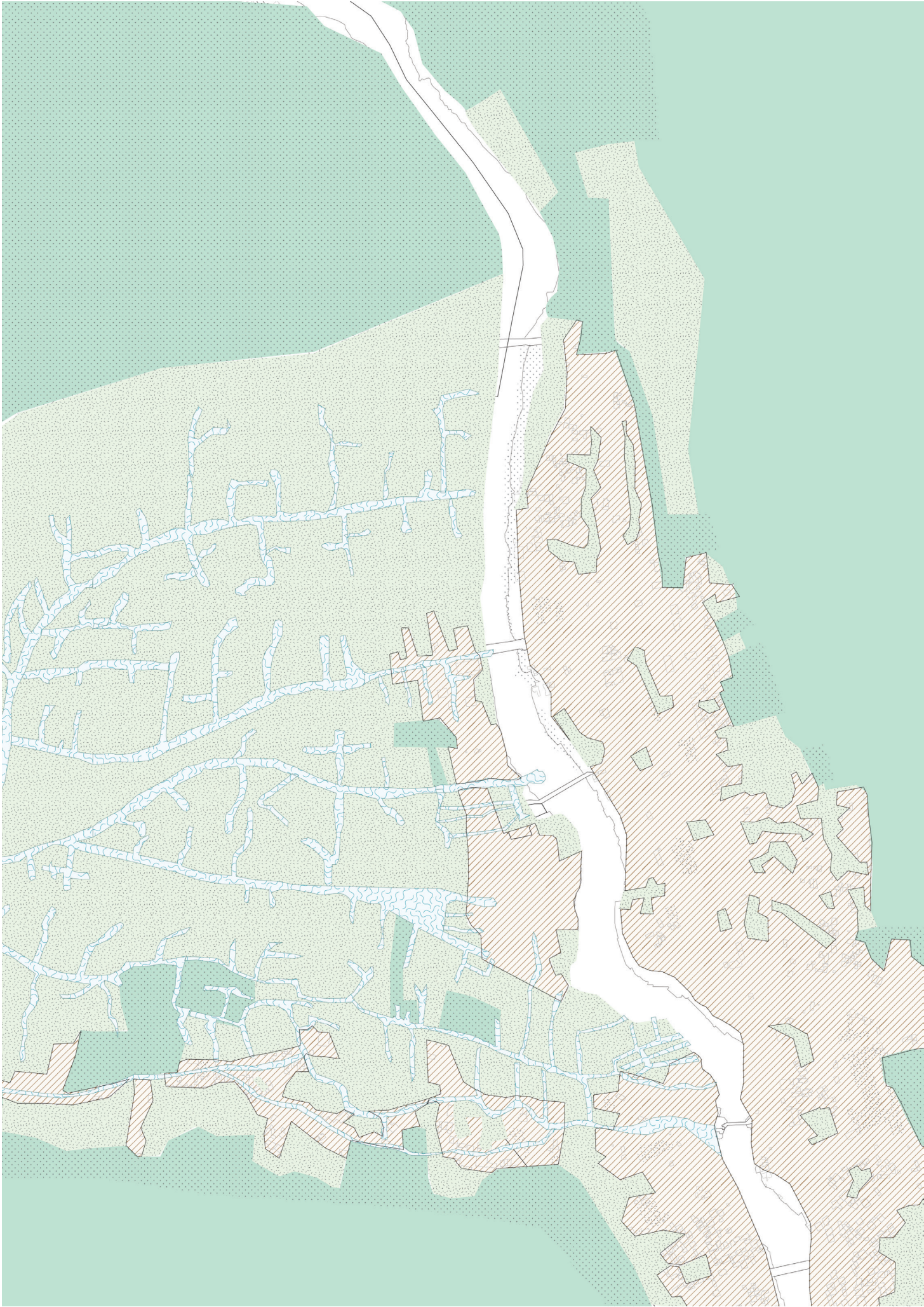


ottoman landscape

15th century Ottoman settlement
organic urban pattern

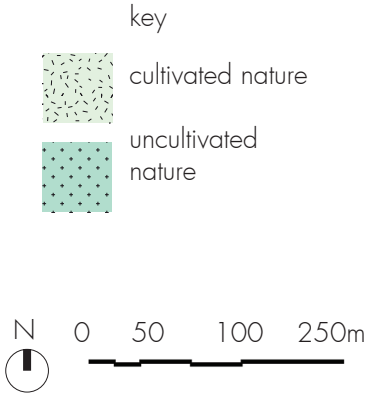


Mostar, 1881



austro-hungarian city

1878 Austro-hungarian rule
urban planning concepts- gridded urban pattern

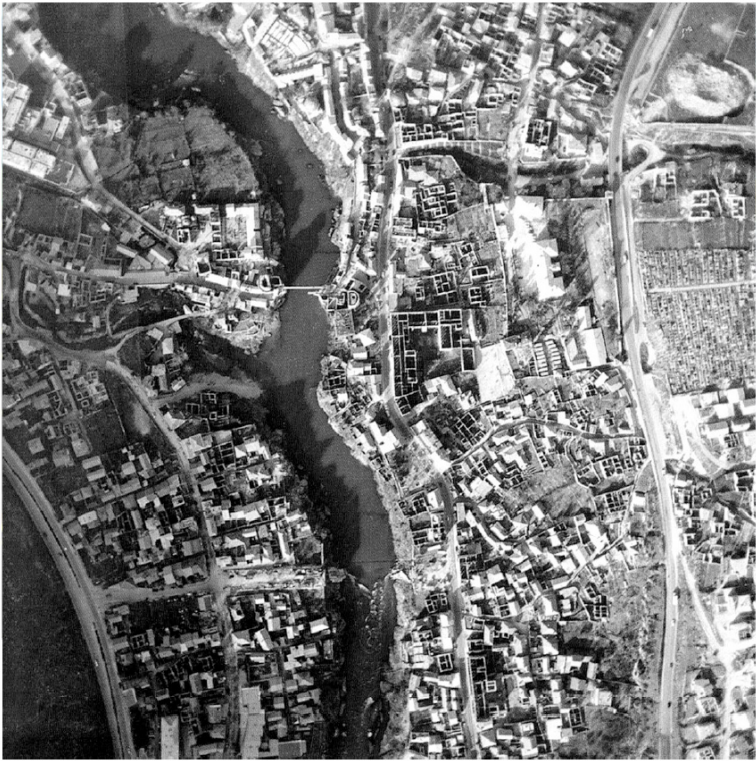


pre-war Mostar, 1980



fragmented warscape

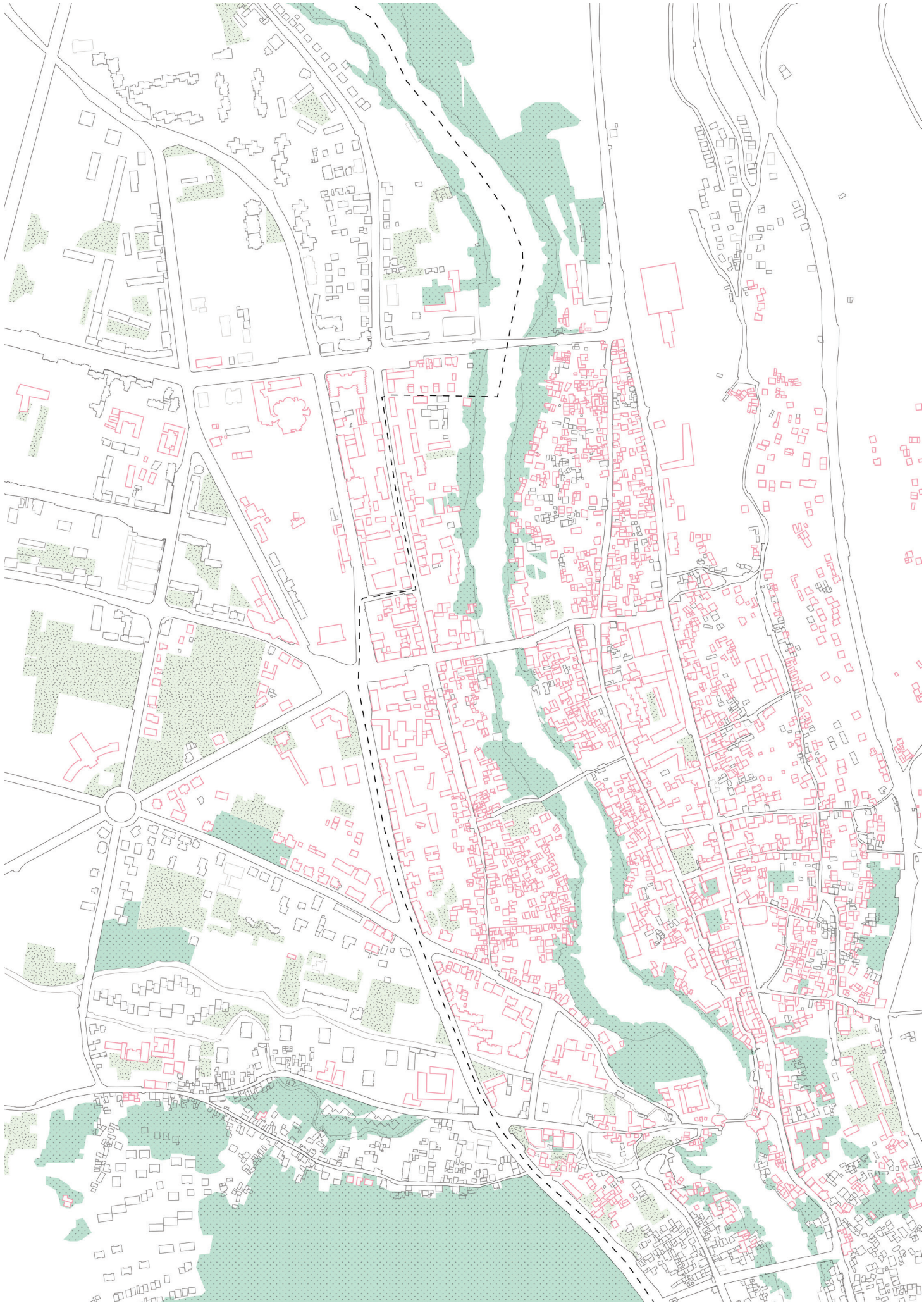
1991-1996 civil war



cidom.org



post-war Mostar, 1995

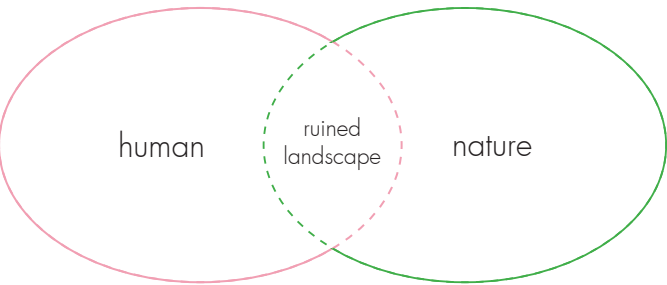


ruderal ecology

Ruderal

LATIN *rudus*- ‘rubble’

Ruderal is a term used to describe plants species growing in disturbed landscapes on waste land or among rubbish often a consequence of human activity.



current Mostar, 2018



spaces for other species

“Humans shape multispecies worlds when
our living arrangements make room for other
species”

Pg.22 Tsing, A. Mushroom at the End of the World

spaces for other species



spaces for other species



spaces for other species



spaces for other species

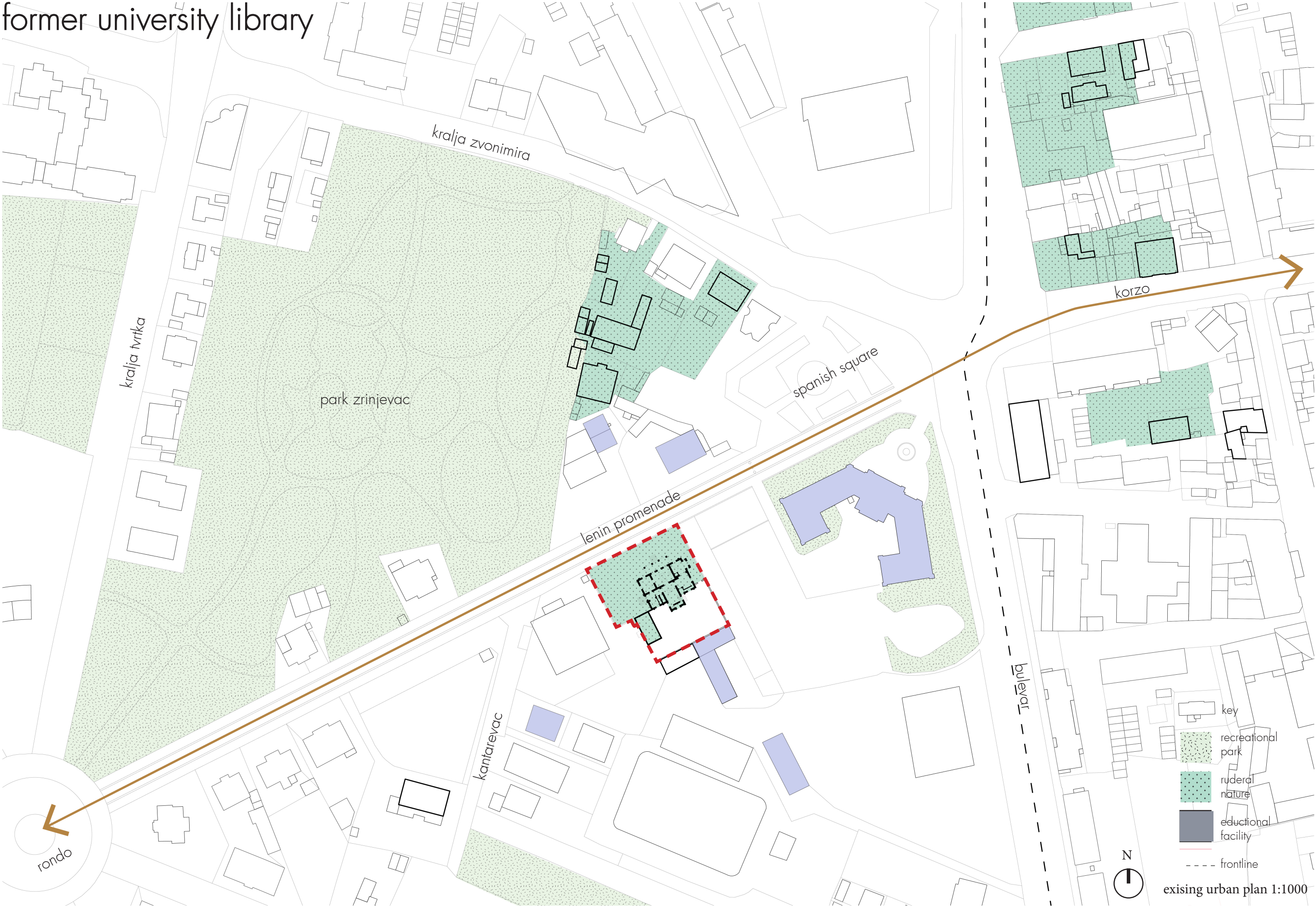


Their seeds had found their way into Berlin via diverse transport routes. Some of them had crossed the city on the boots of soldiers or refugees during the war, via packaging material from imported goods, or hay transported on wagons by the Russian army for horses.

Ruderal Ecologies: Rethinking Nature, Migration, and
the Urban Landscape in Berlin
Stoetzer, B

chapter 2 analysis

former university library



past and present

pre-war



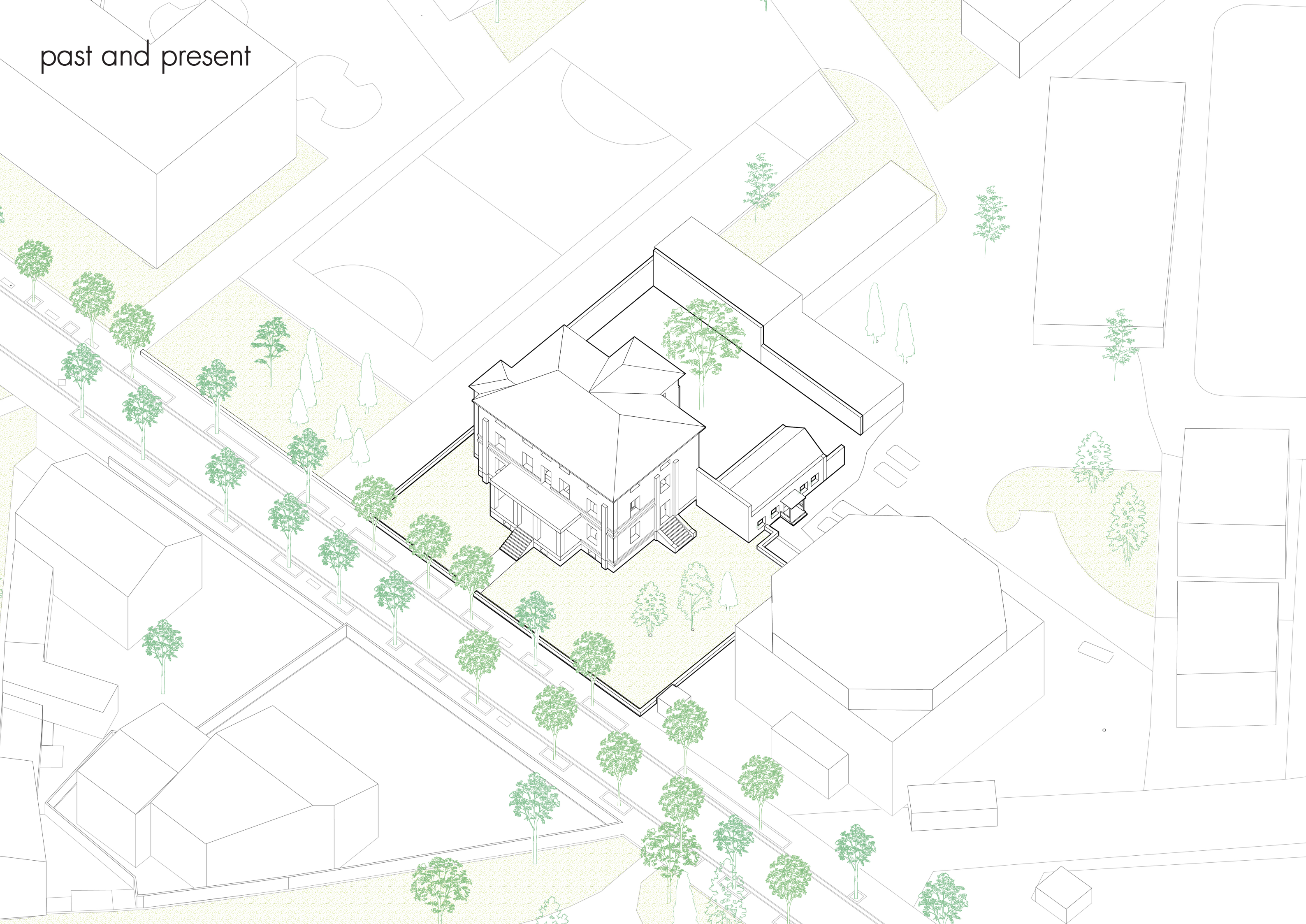
<https://mapio.net/pic/p-76841821/>

post-war

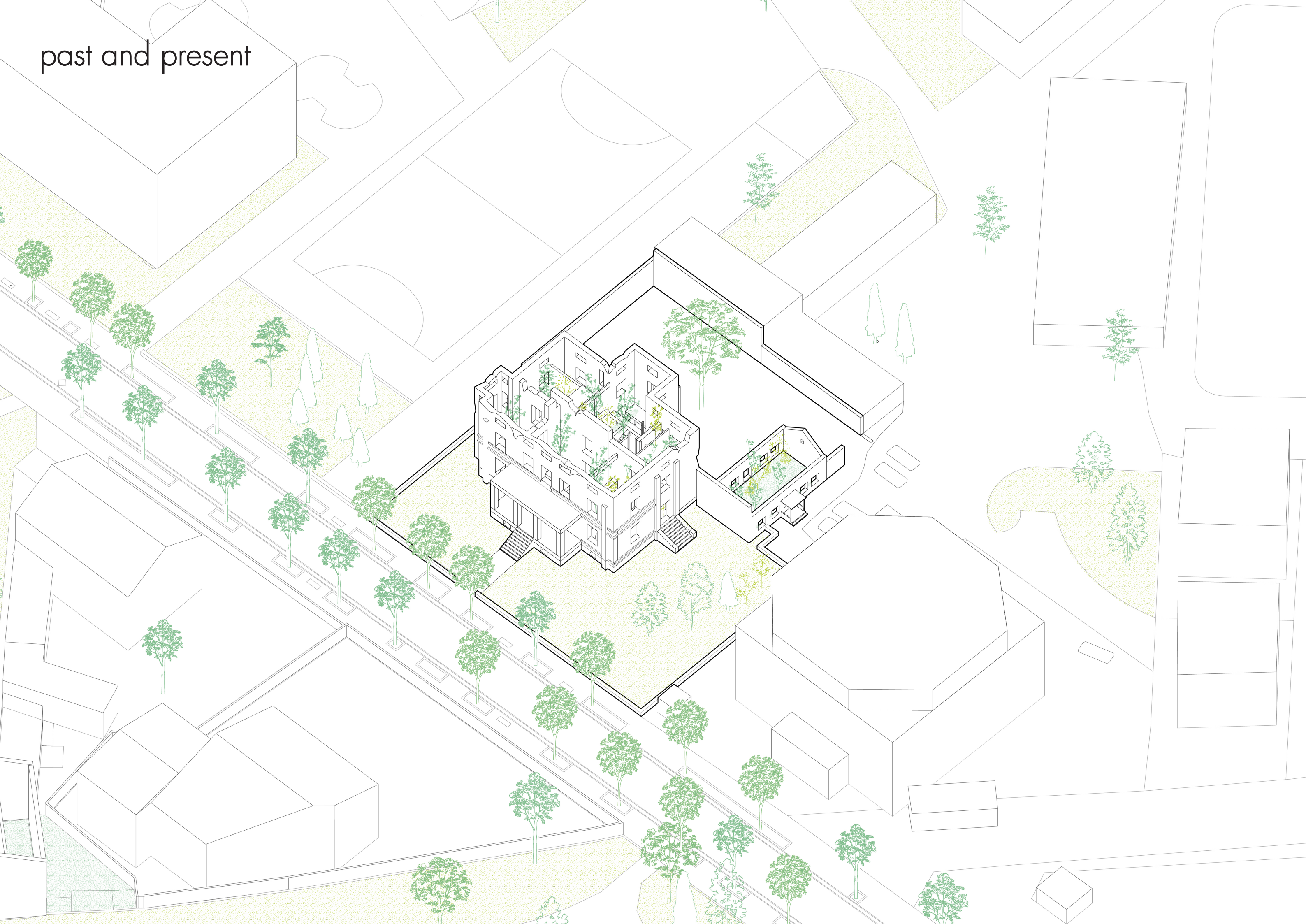


<https://mapio.net/pic/p-76841821/>

past and present

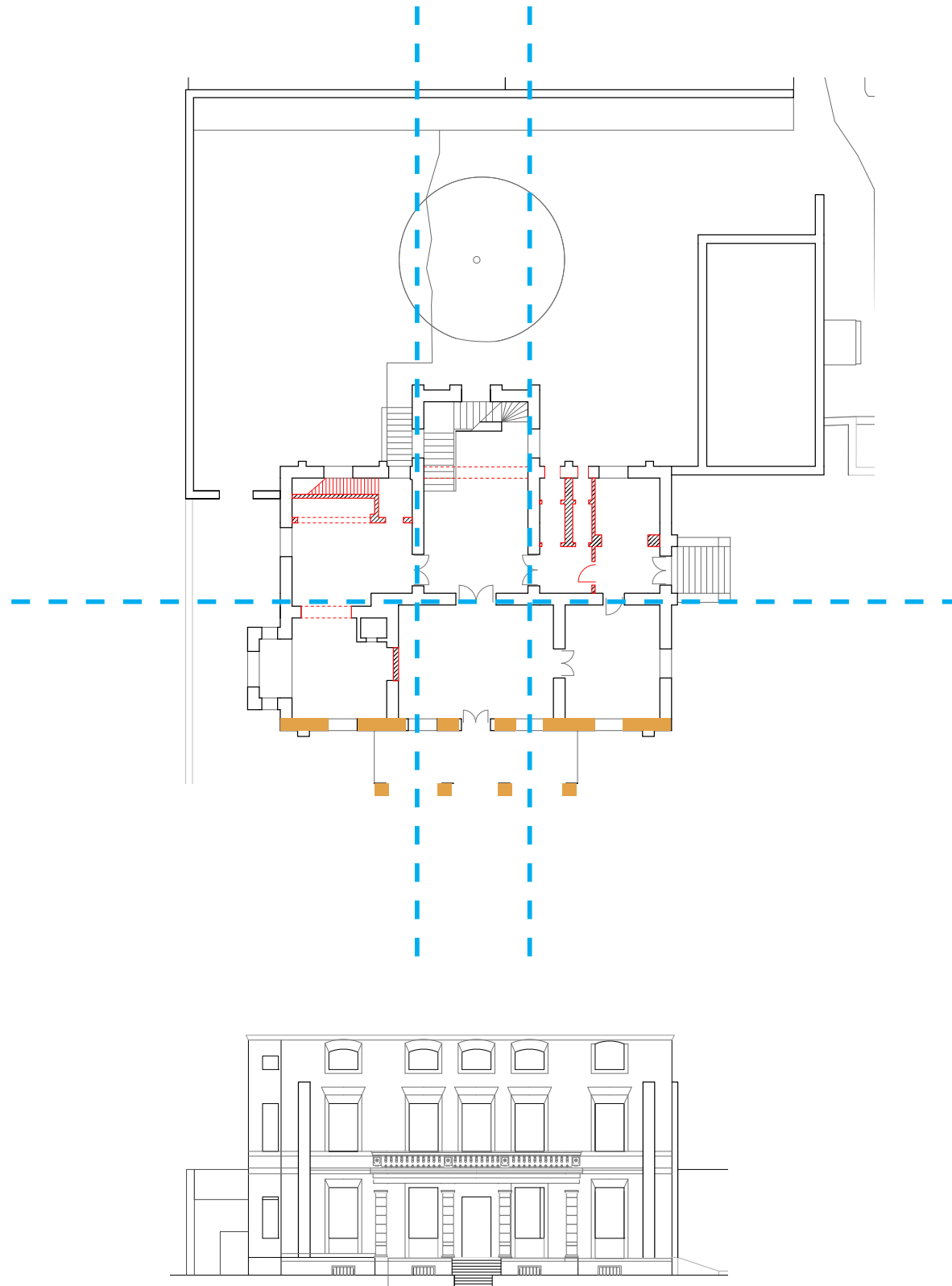


past and present



building structure

assessing the original structure



existing situation



existing situation



existing situation



existing situation



human and non-human material



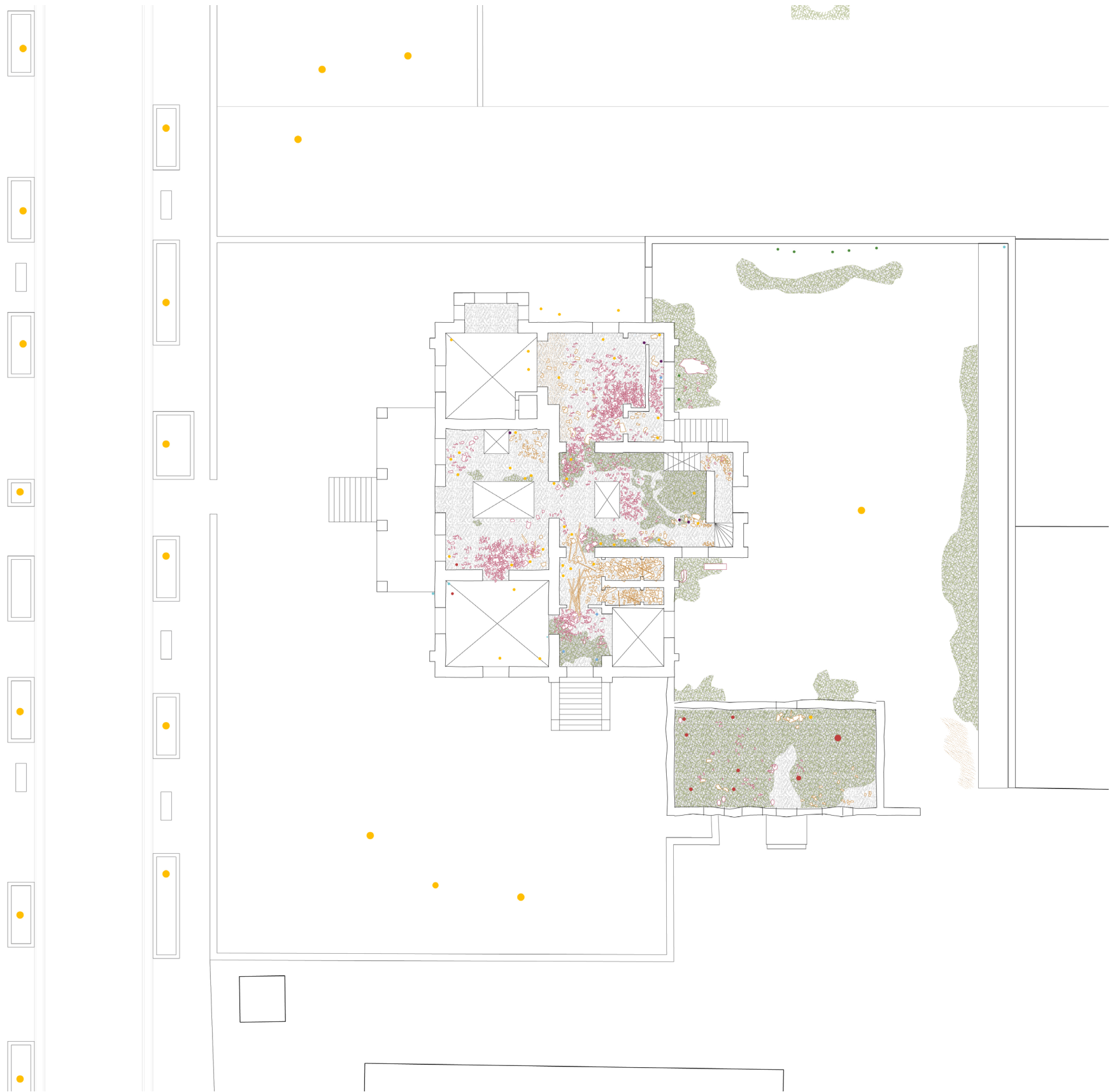
artifical waste



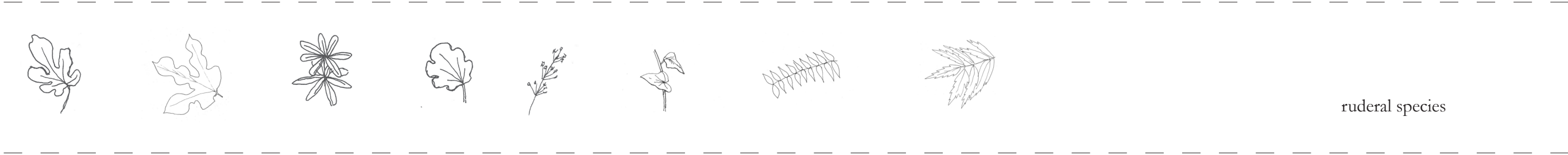
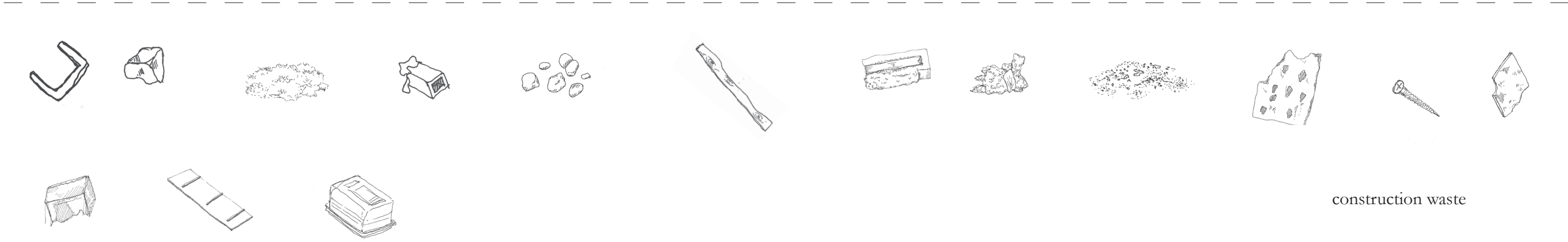
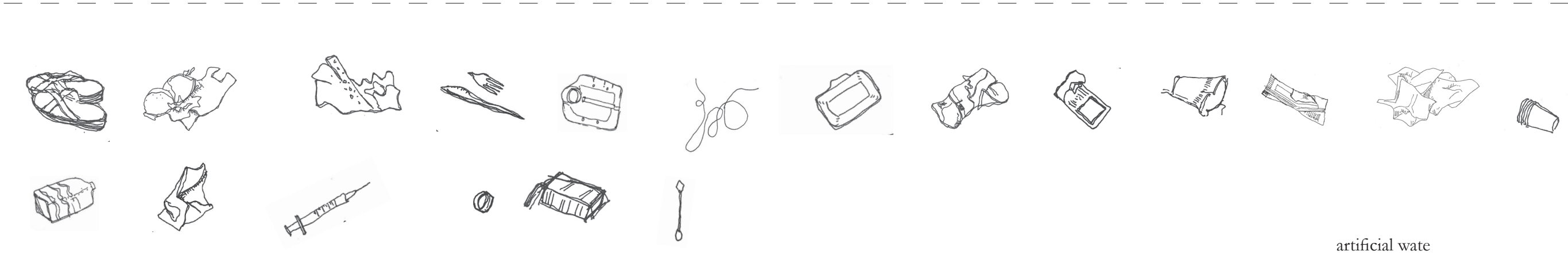
rubble



plant debris



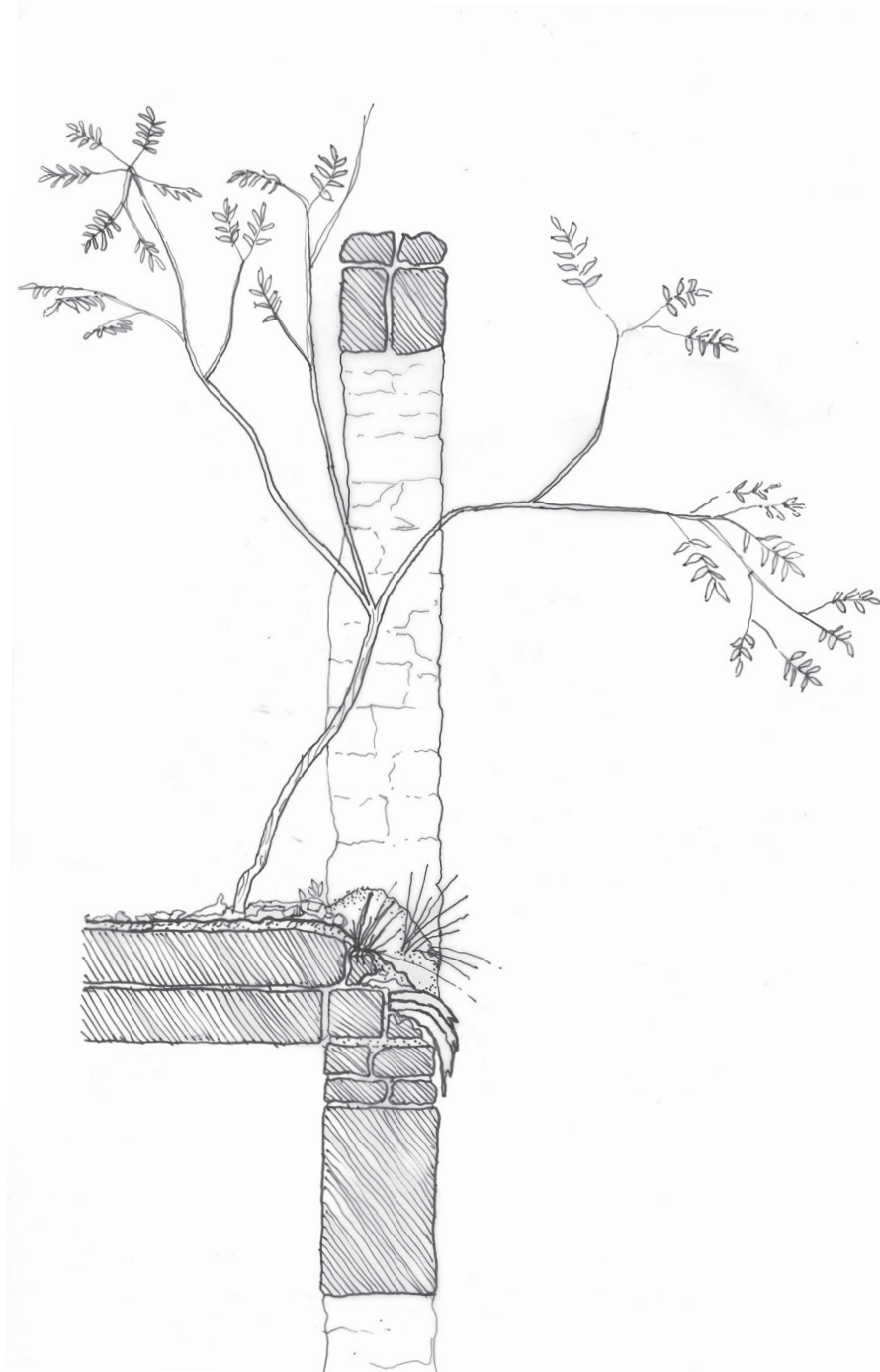
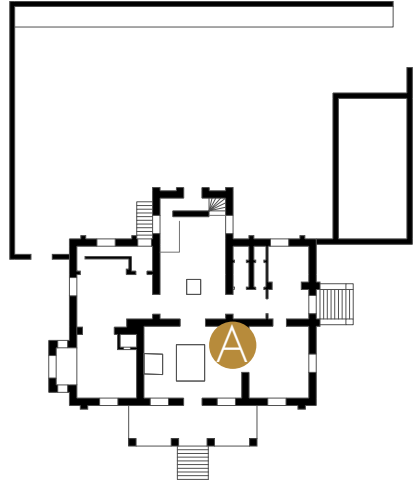
material collections



decay process



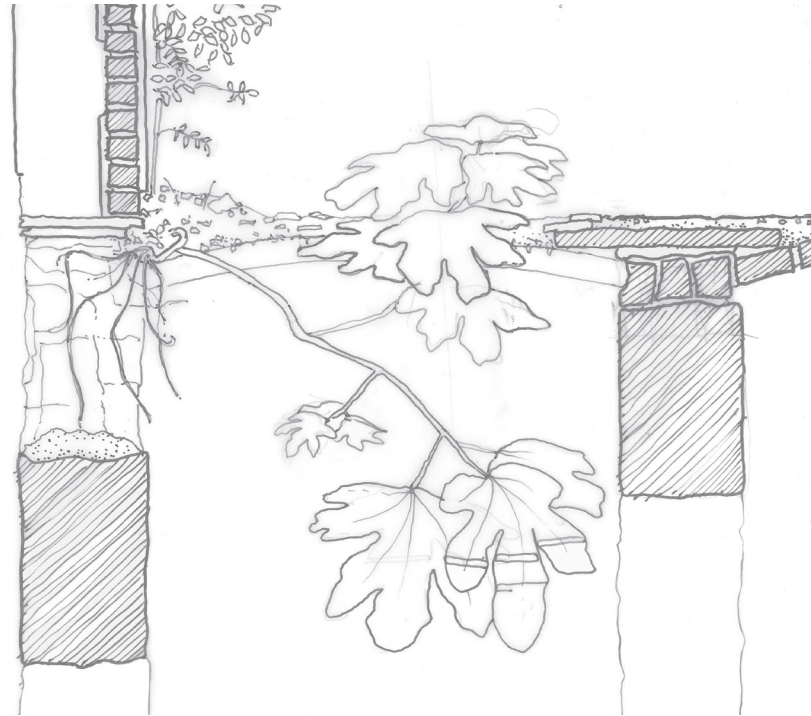
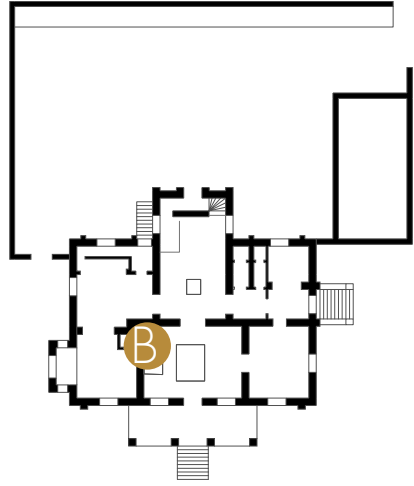
decay process



A

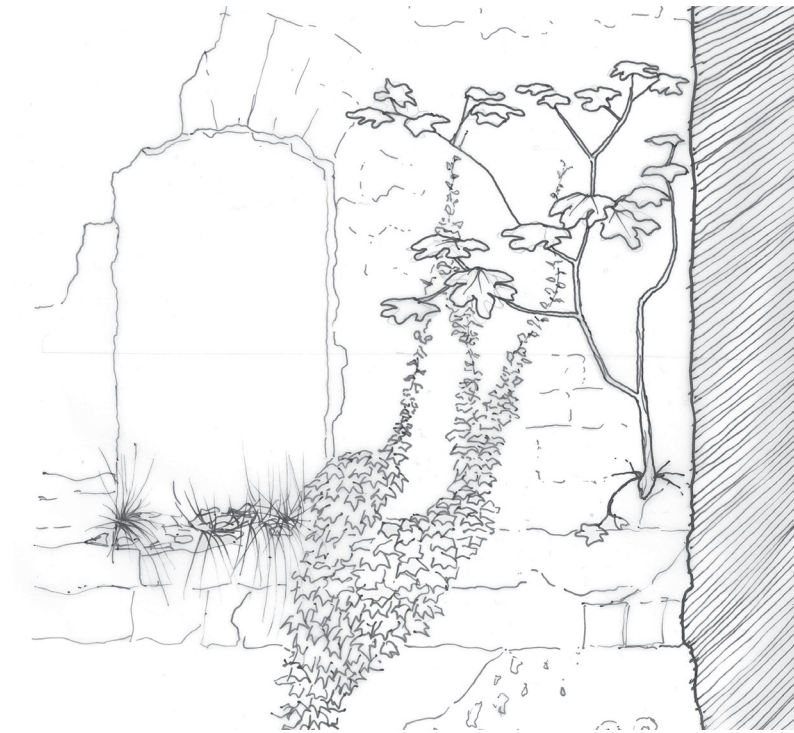
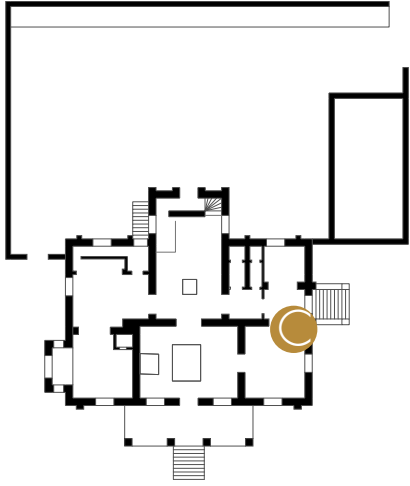
ailanthus altissima

decay process



 *figus carica*

decay process



figus carica

decay process



human material
war rubble



natural material
soil

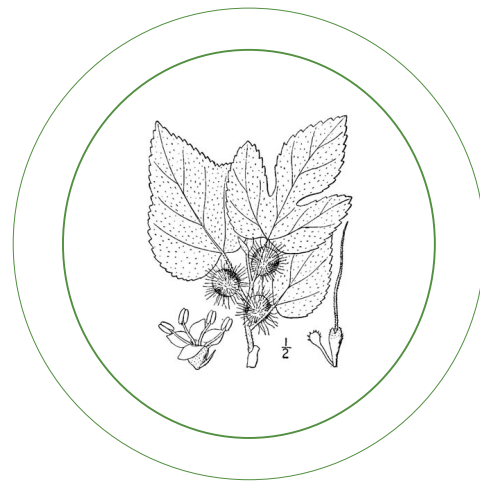
material transformers



ailanthus altissima
tree of heaven
deciduous



figs carica
fig tree
deciduous



broussonetia papyrifera
paper mulberry
deciduous

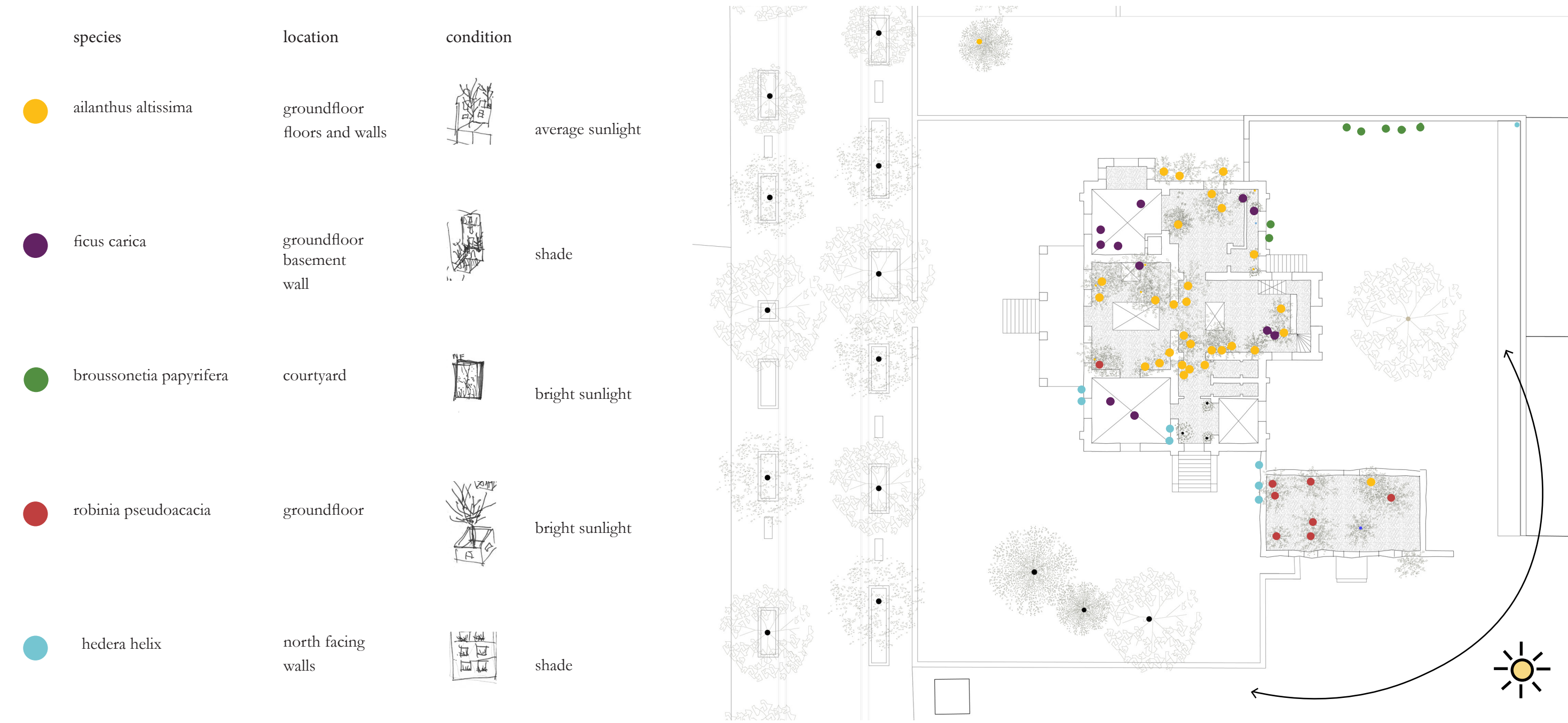


robinia pseudoacacia
black locust
deciduous



hedera helix
ivy
evergreen

growing conditions



space for multiple actors



site users

- tree species
- micro-organisms
- soil
- insects
- birds
- bee's
- cats
- dogs
- humans

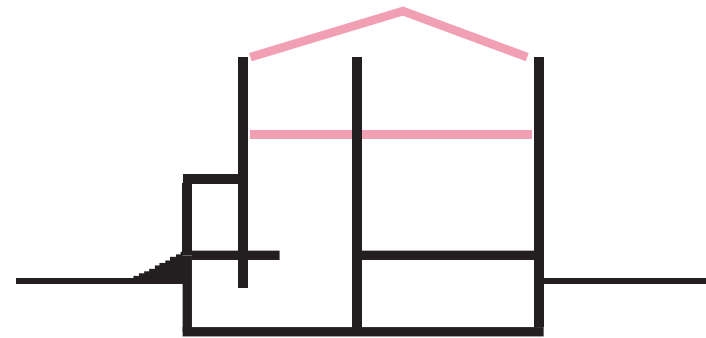
chapter 3 design

project intent

learn and work with this material relationships of decay
enhance the existing ecosystems that are not just for human
aim bring man and nature closer

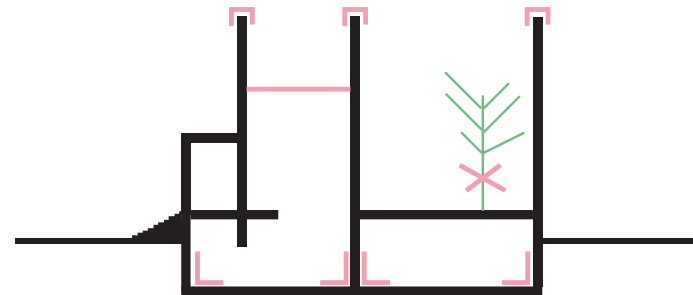
balancing the human- non-human value

1 restoration



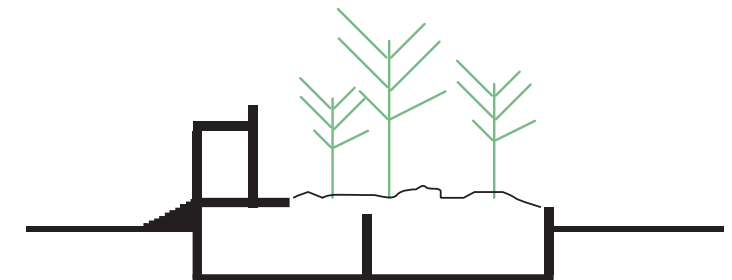
- remove all nature
- add climate protection
e.g roof

2 preservation



- remove all nature/growth
from walls
- protect and support structure-
weatherproofing and capping

3 decay *ruderal ecology

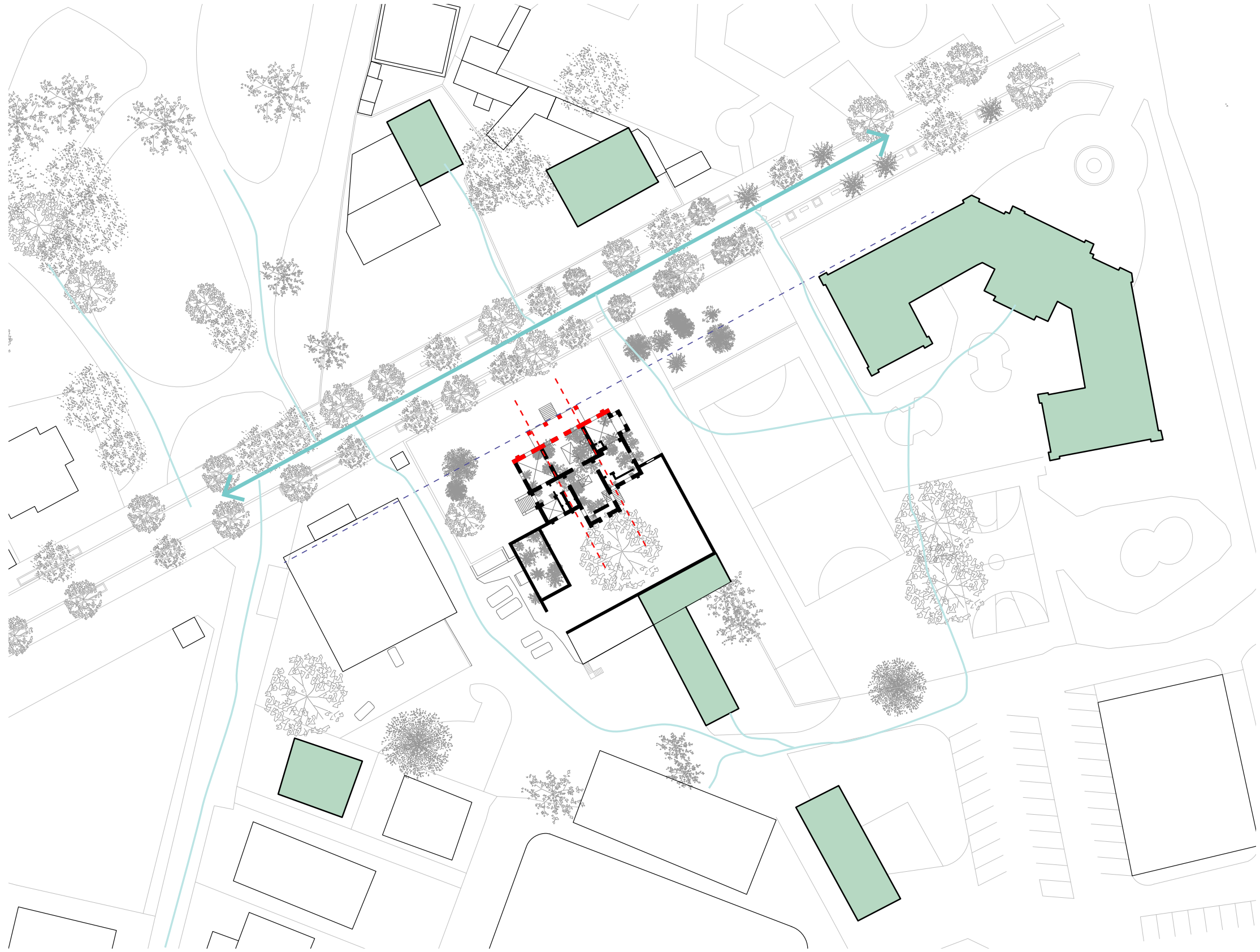


- do nothing
- nature flourishes
- heritage building
disappears

developing a programme

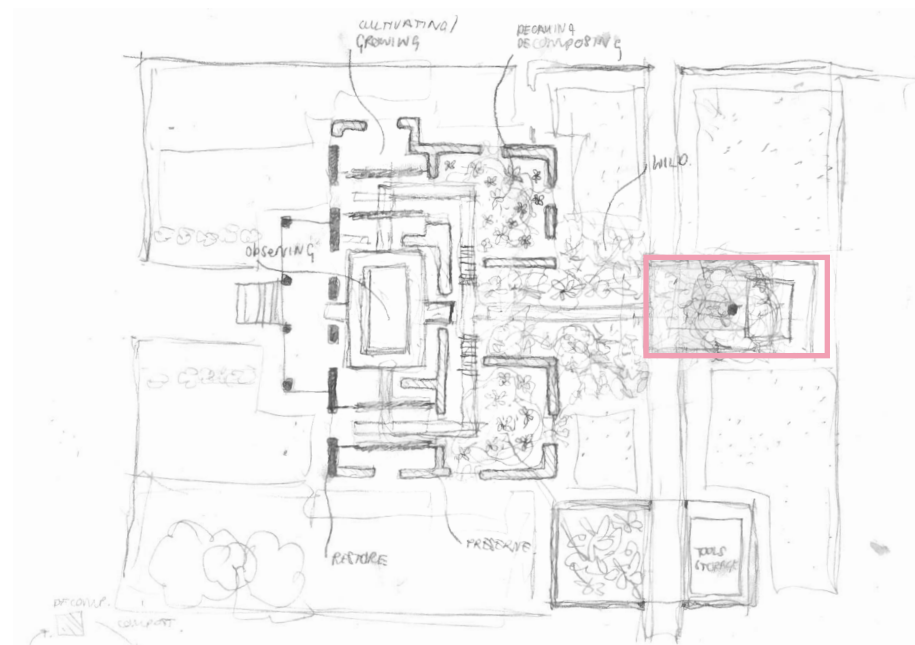


urban strategy



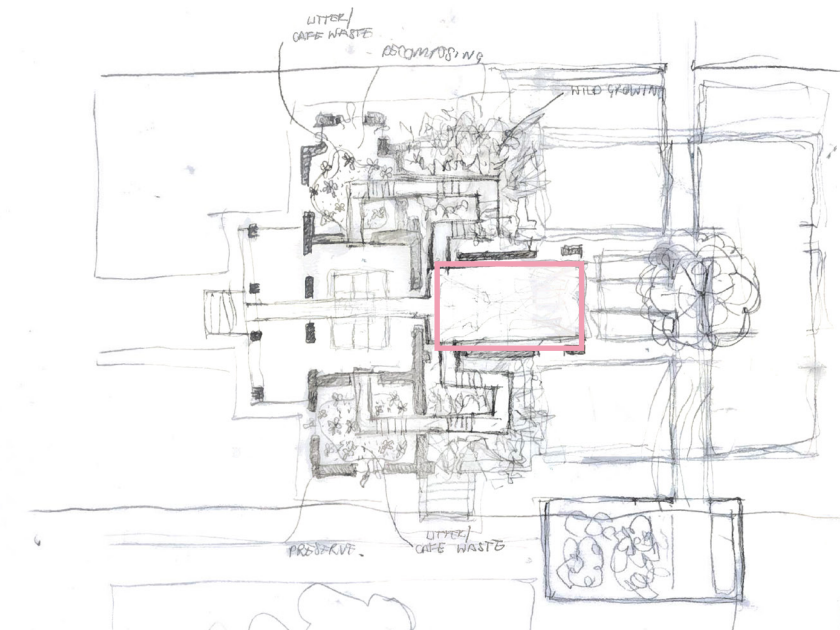
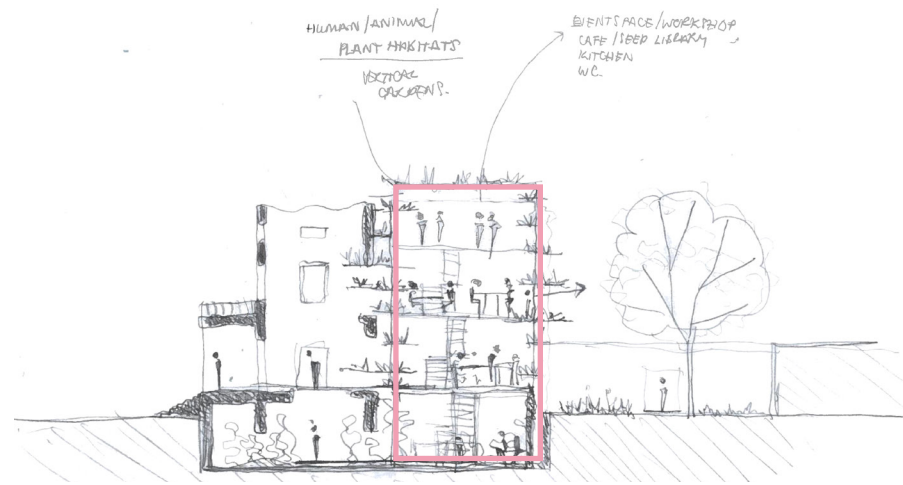
massing study exploration

linear



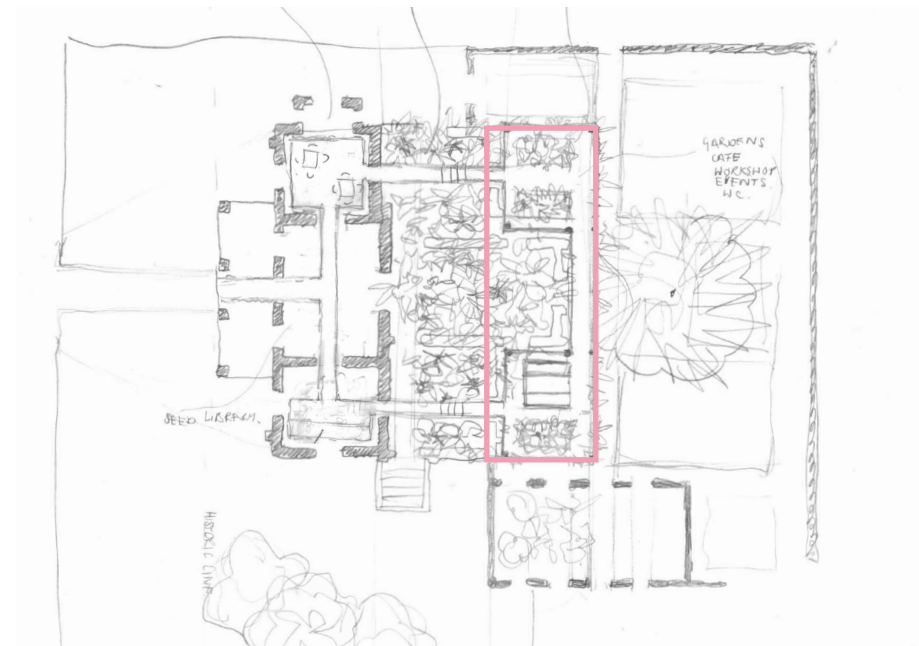
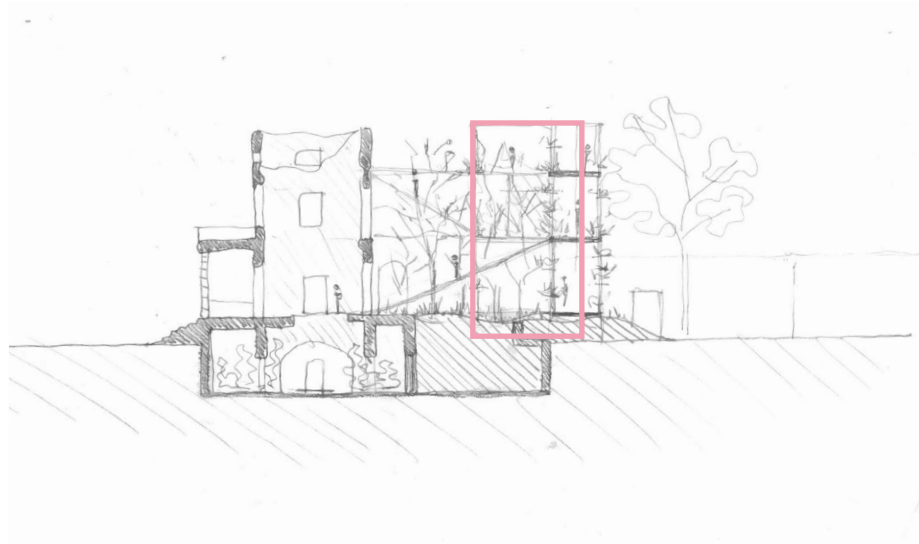
massing study exploration

loop



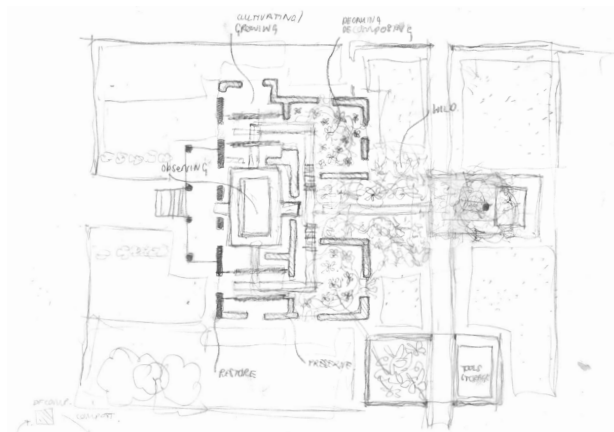
massing study exploration

exchange

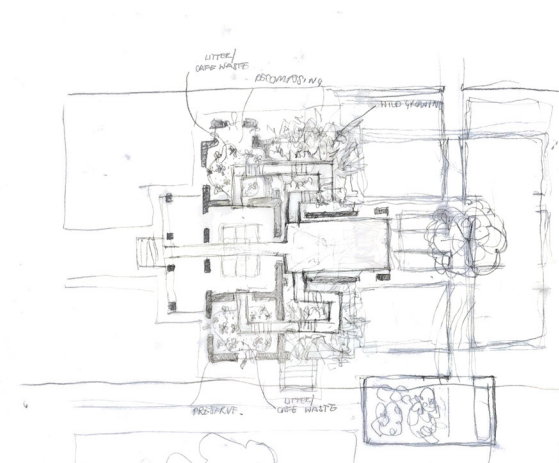
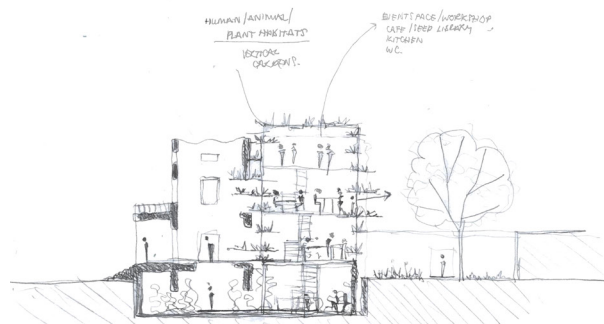


massing study exploration

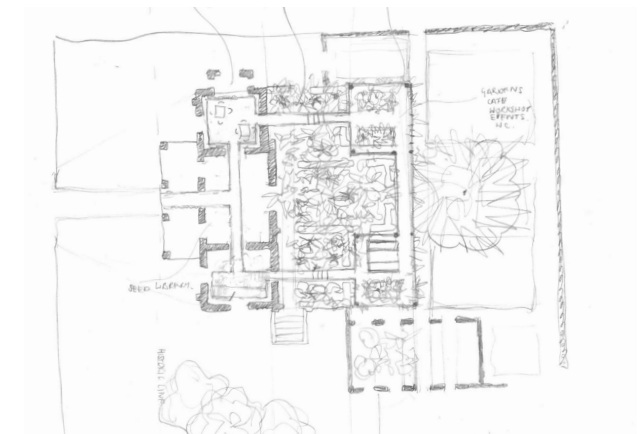
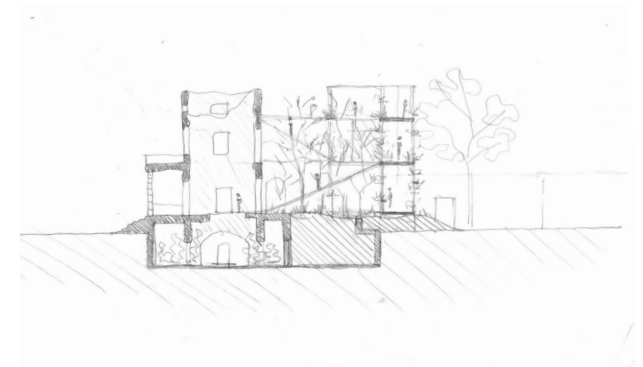
linear



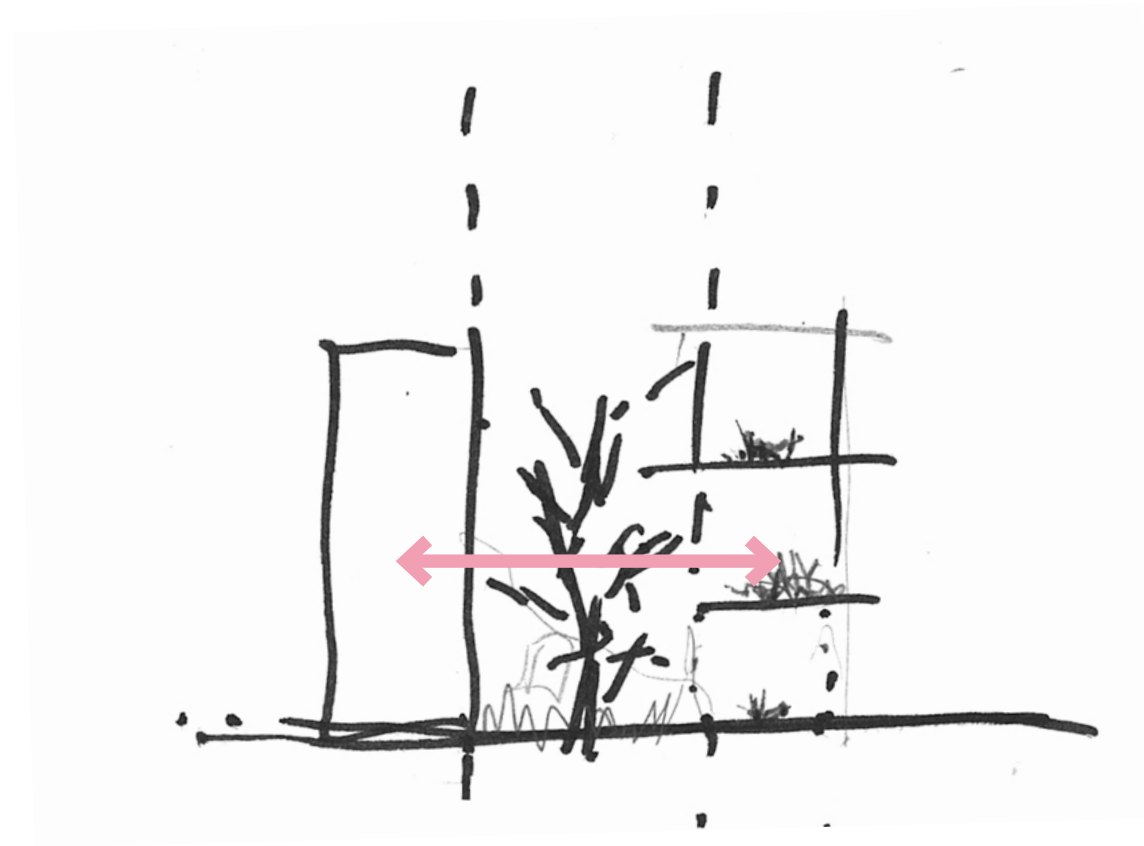
loop



exchange



the living library



old

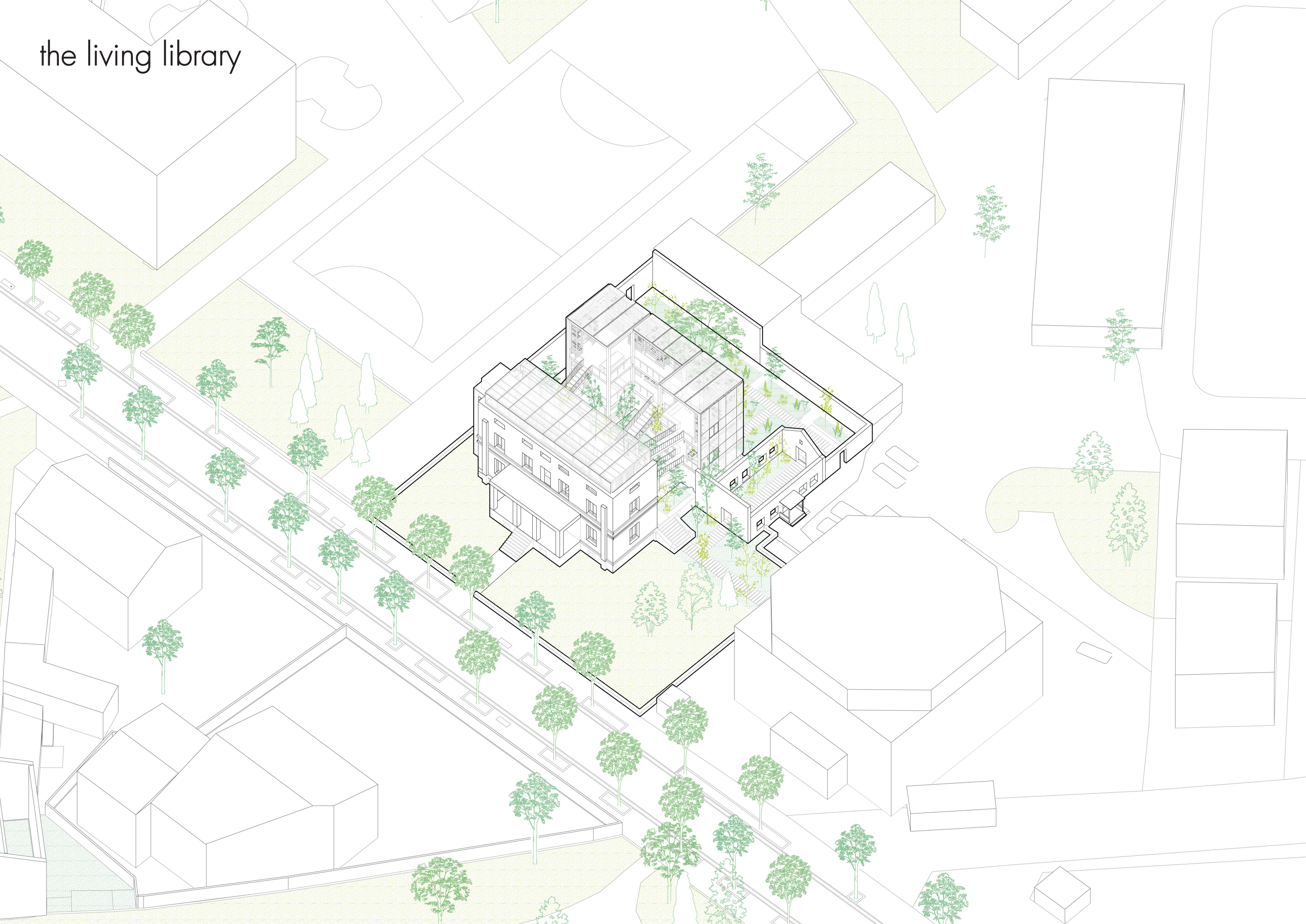
transitioning

new

decay is a process of transition from man
made to soil which benefits growing of
plants

the process or a period of changing from
one state or condition to another

the living library



transformation stages

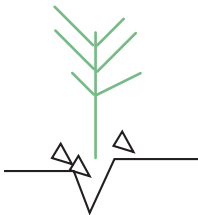
co- cultivation of the landscape

monitoring

planting existing
species



create disturbance-
testing ruderal plants on existing
building waste material



transforming

replenishing

transformation stages

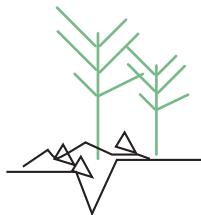
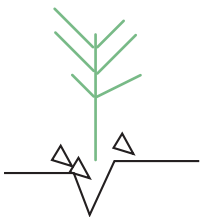
co- cultivation of the landscape

monitoring

planting existing
species



create disturbance-
testing ruderal plants on existing
building waste material



create soil

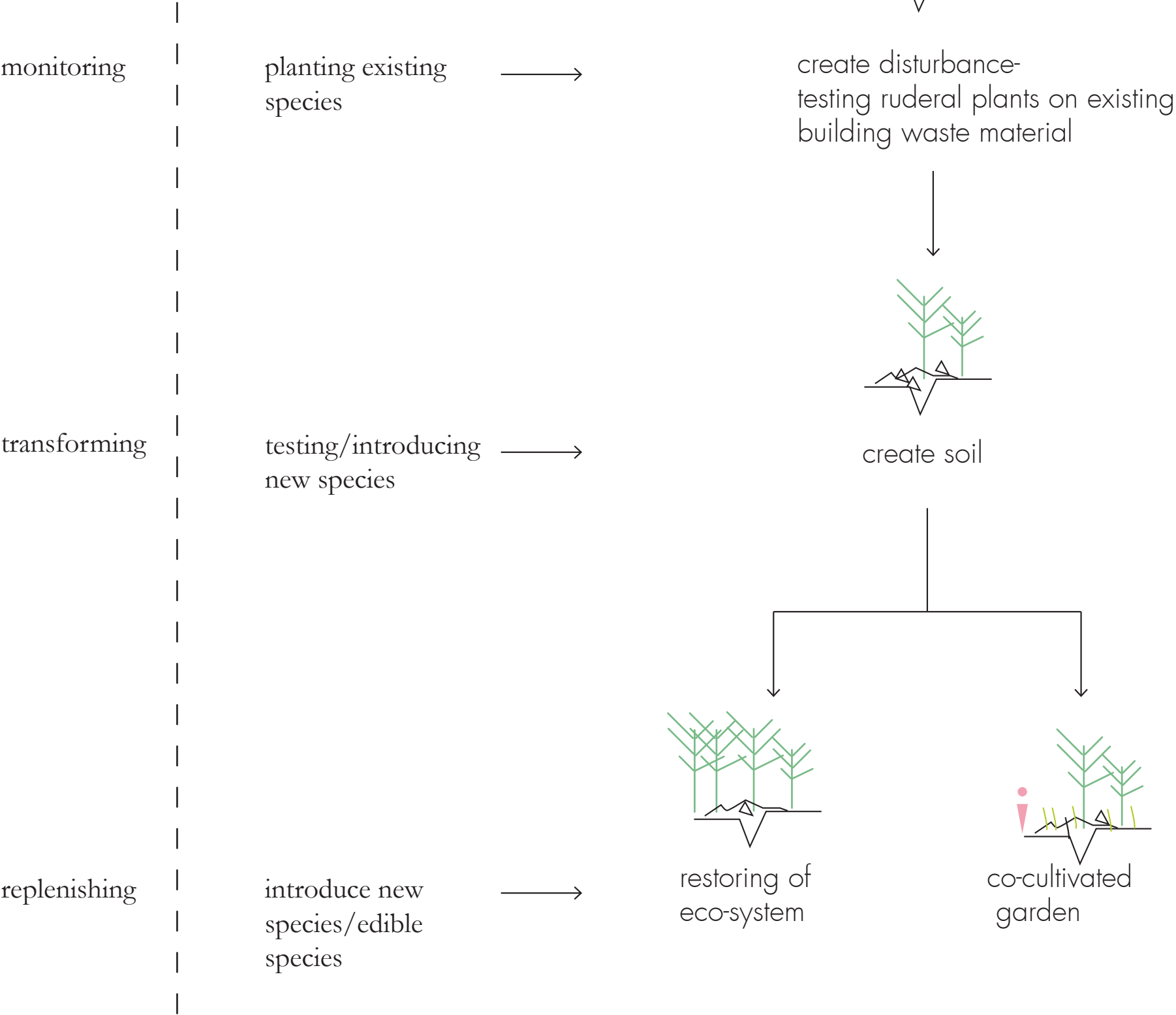
transforming

testing/introducing
new species



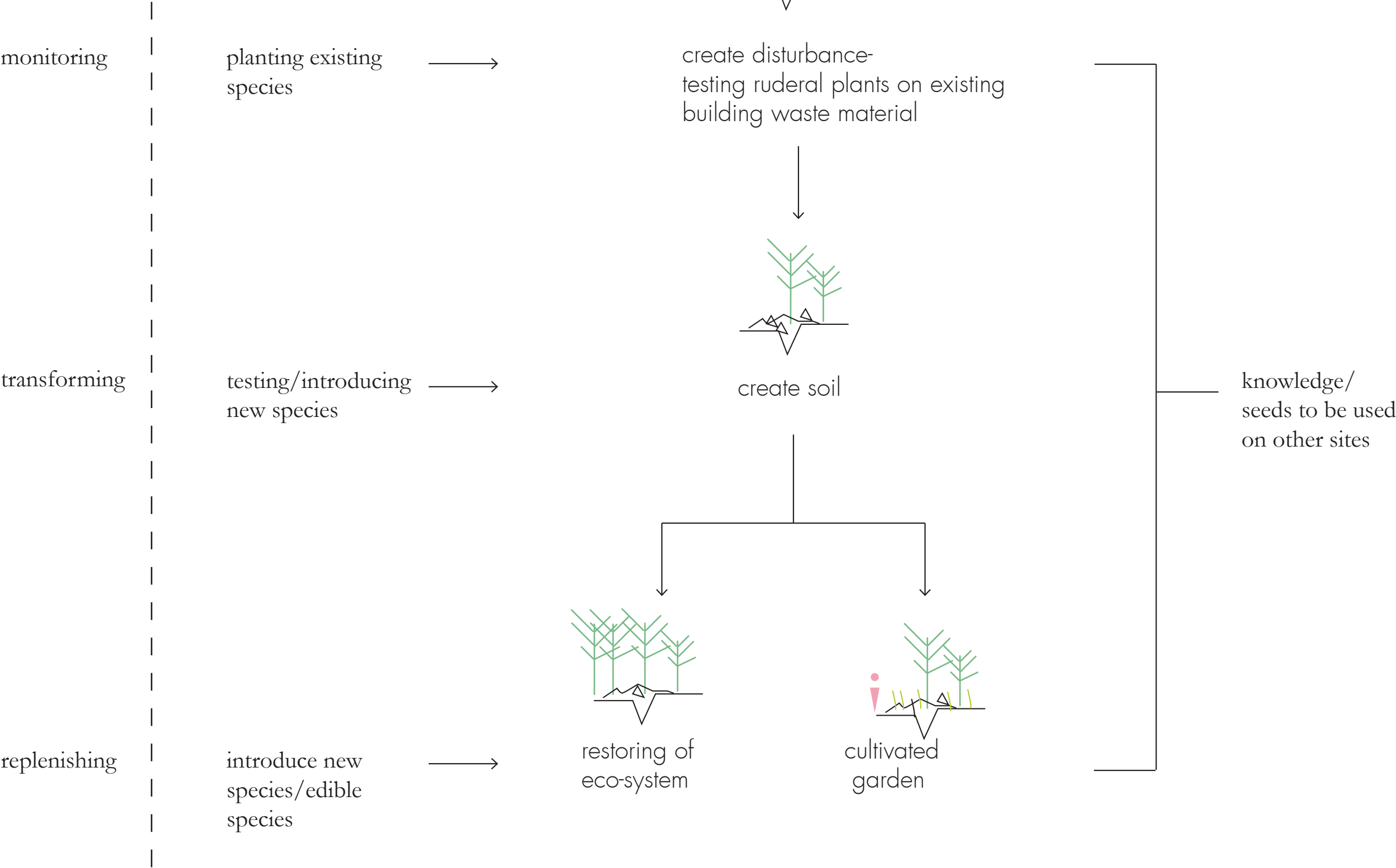
transformation stages

co- cultivation of the landscape



transformation stages

co- cultivation of the landscape

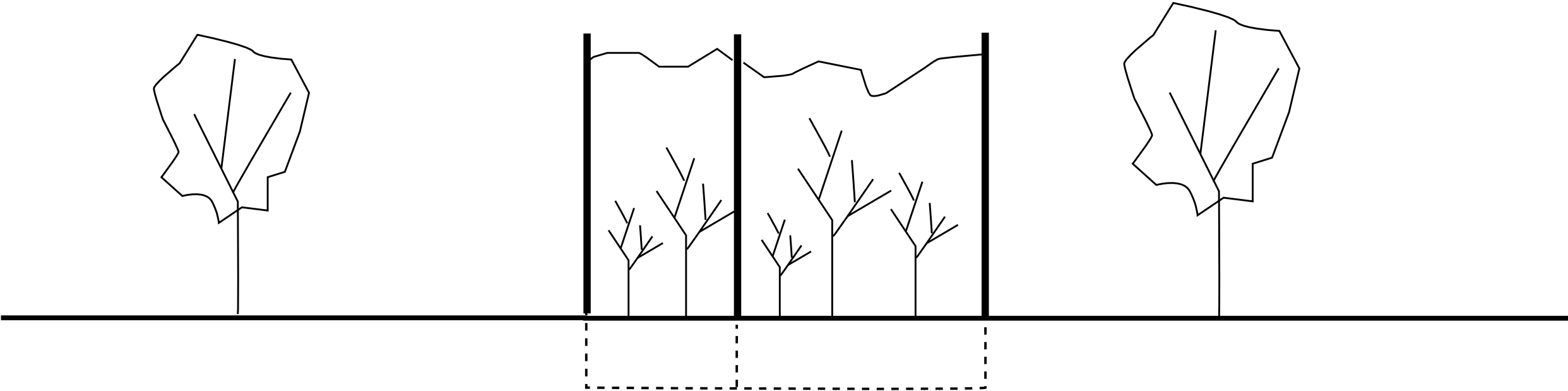


transformation stages

co- cultivation of the landscape

stage 00
existing ruin

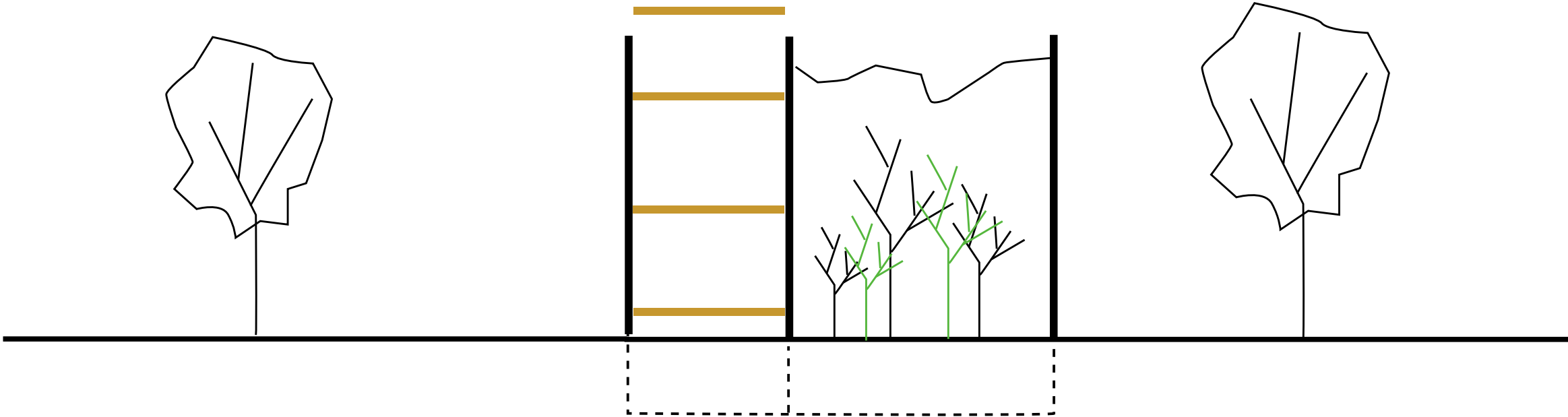
time frame:
10-15 years



transformation stages

co- cultivation of the landscape

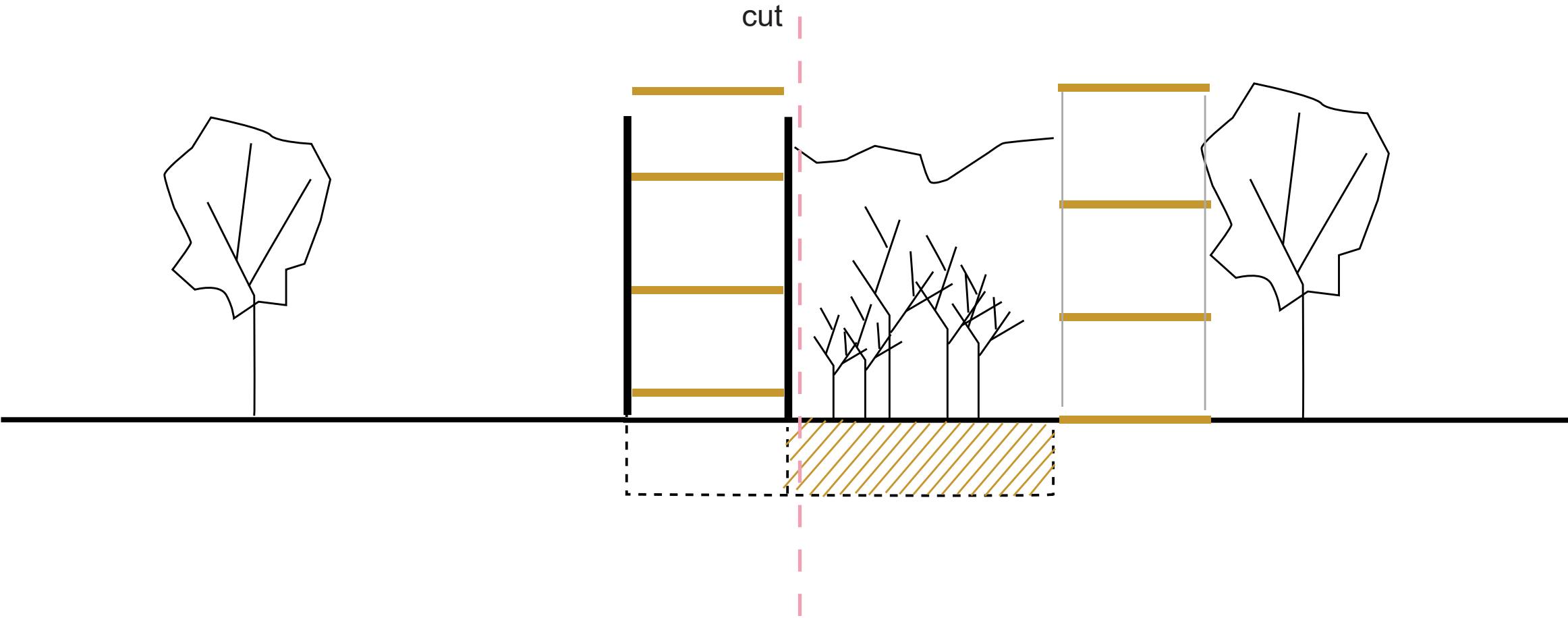
stage 01
transplanting and restoring



transformation stages

co- cultivation of the landscape

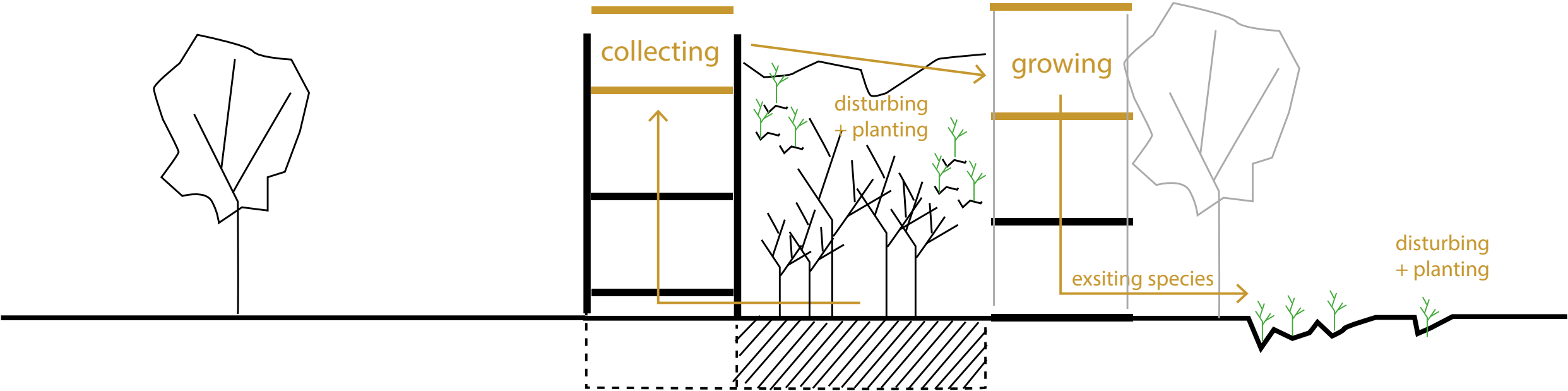
stage o2
demolishing and building



transformation stages

co- cultivation of the landscape

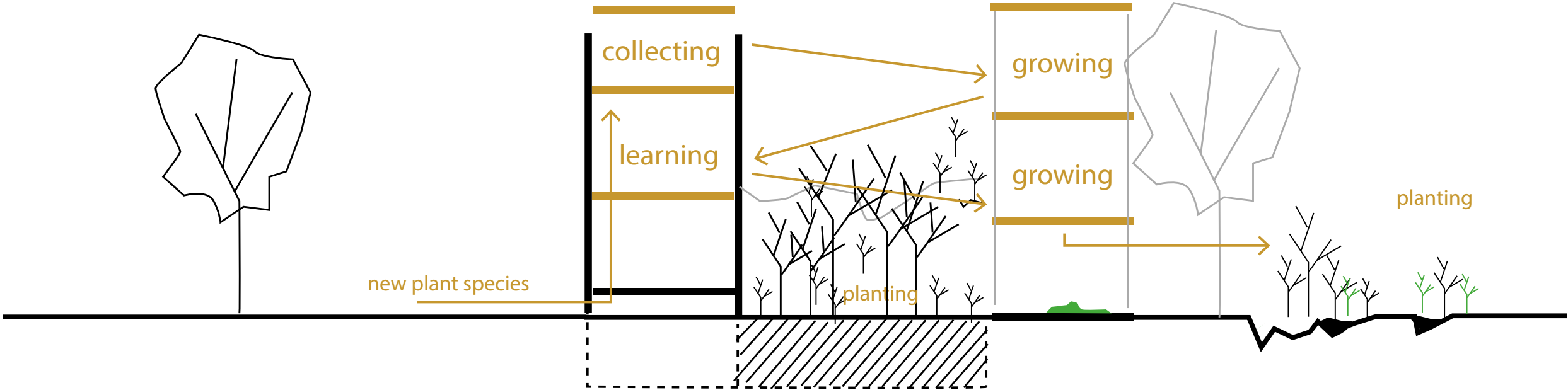
stage o3
collecting and growing



transformation stages

co- cultivation of the landscape

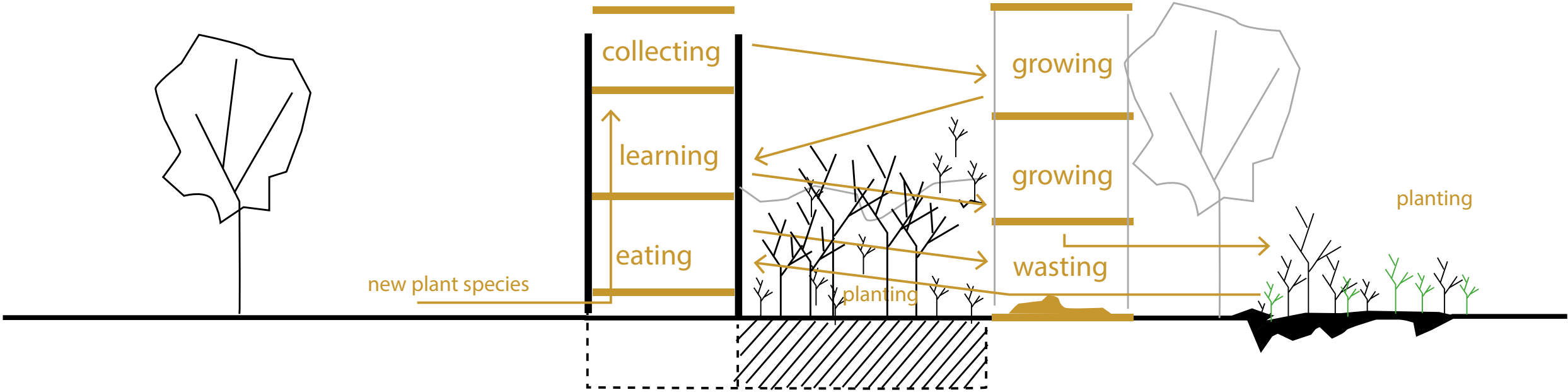
stage o4
learning and growing



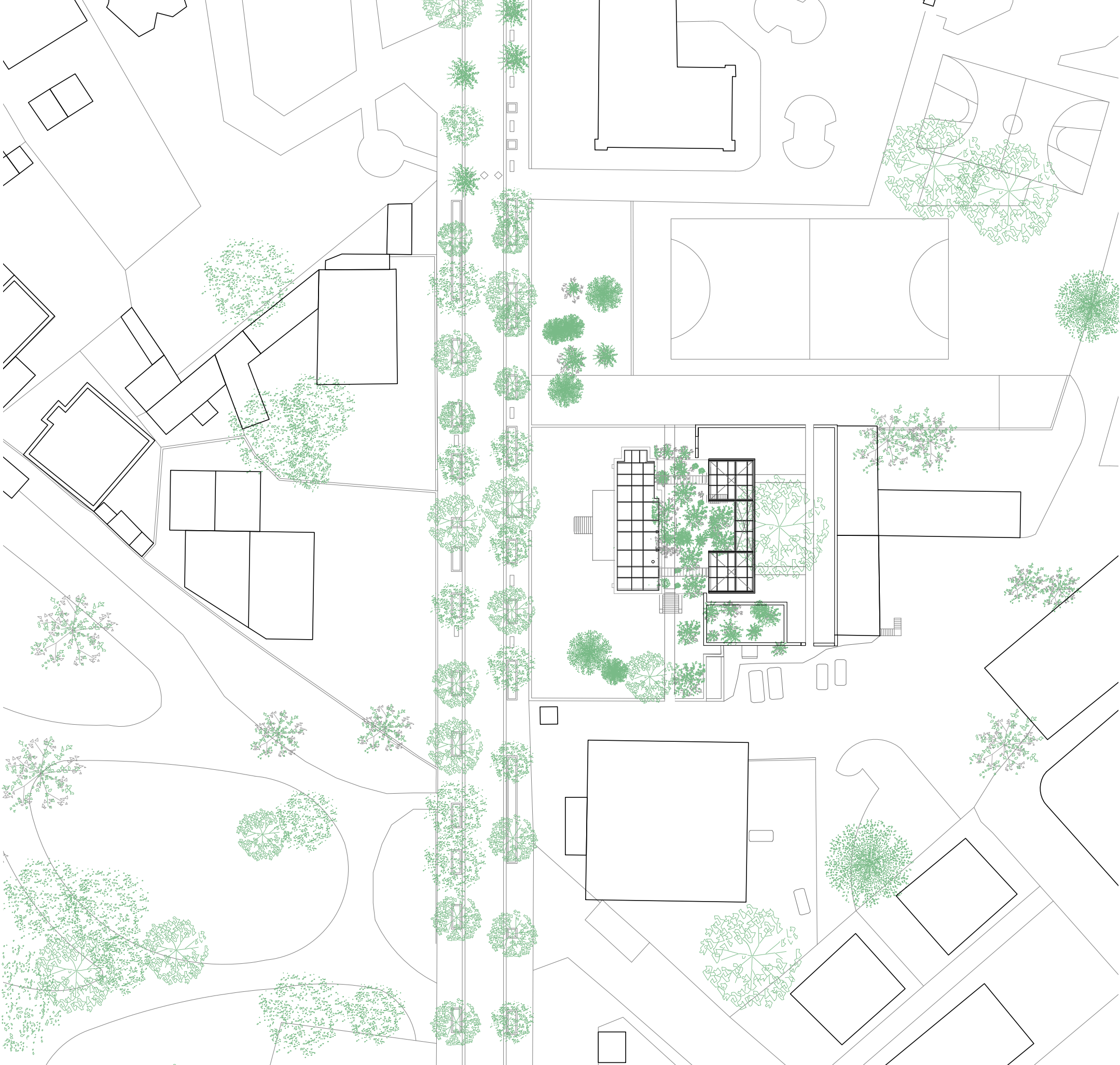
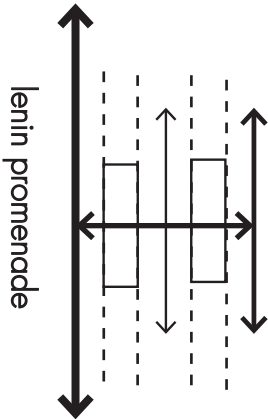
transformation stages

co- cultivation of the landscape

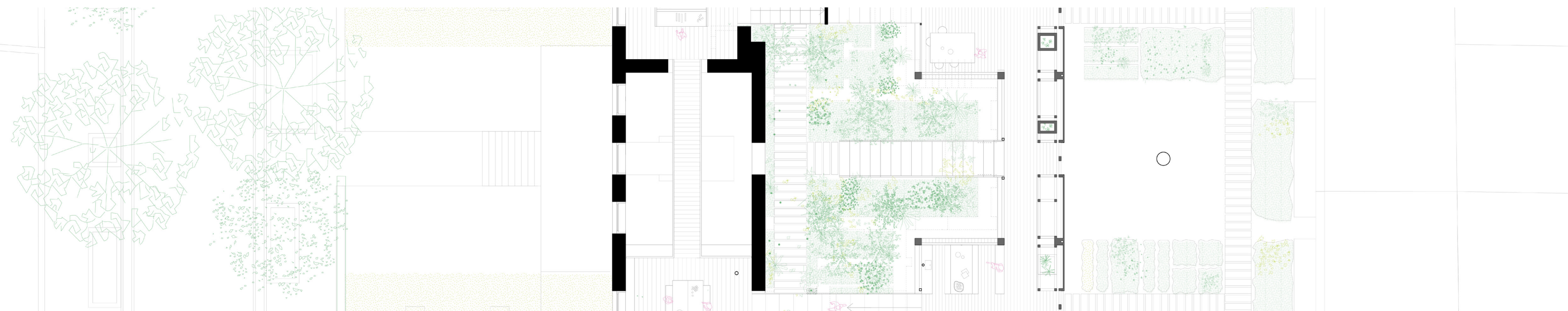
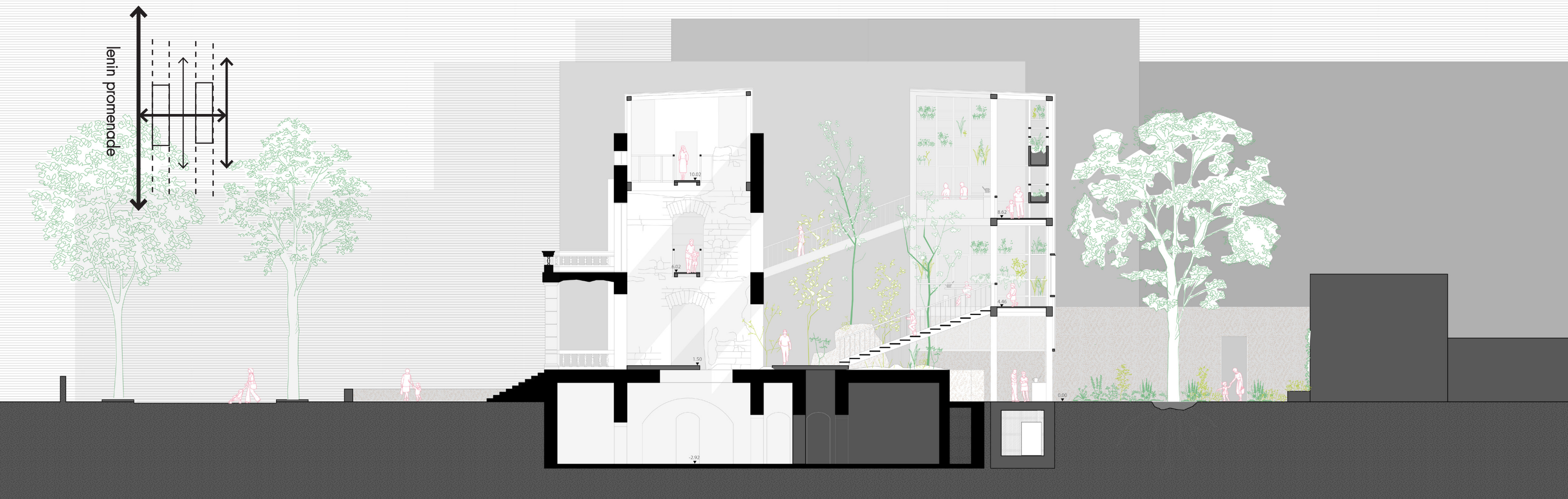
stage o5
eating and replenishing



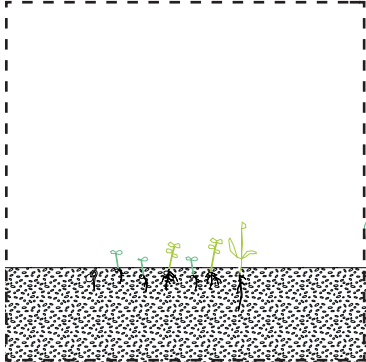
zoning



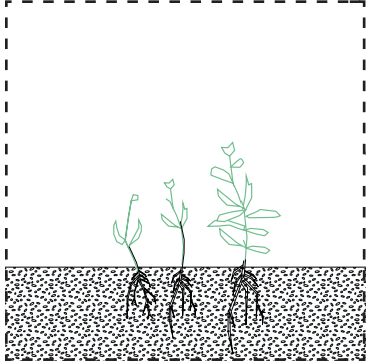
zoning



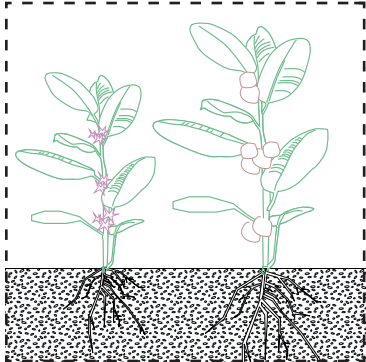
garden stages
programme sequence



seeds contains required nutrients and germinate to produce first pair of leaves

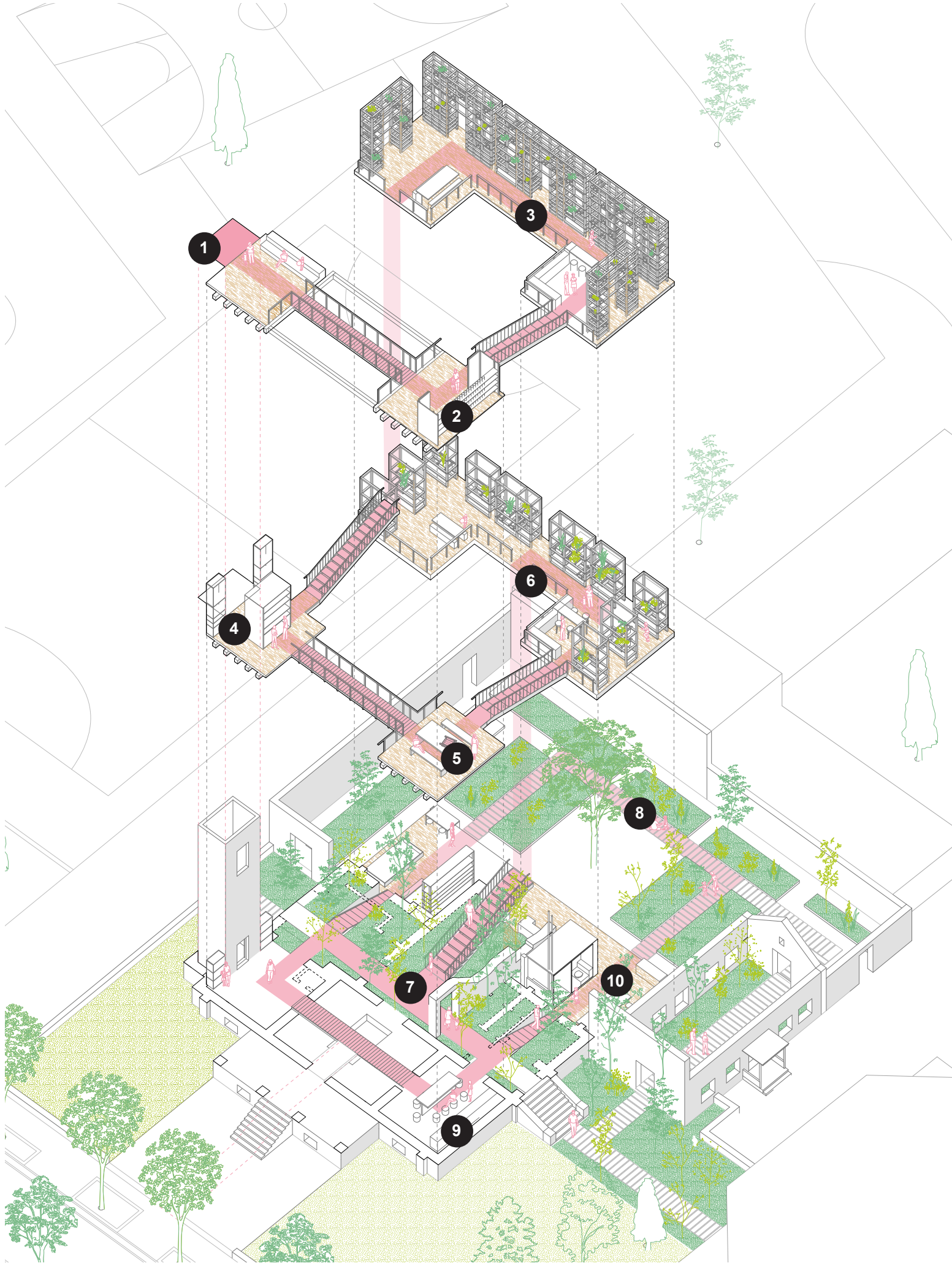


nitrogen and extra phoshorus needed to transition to blooming stage



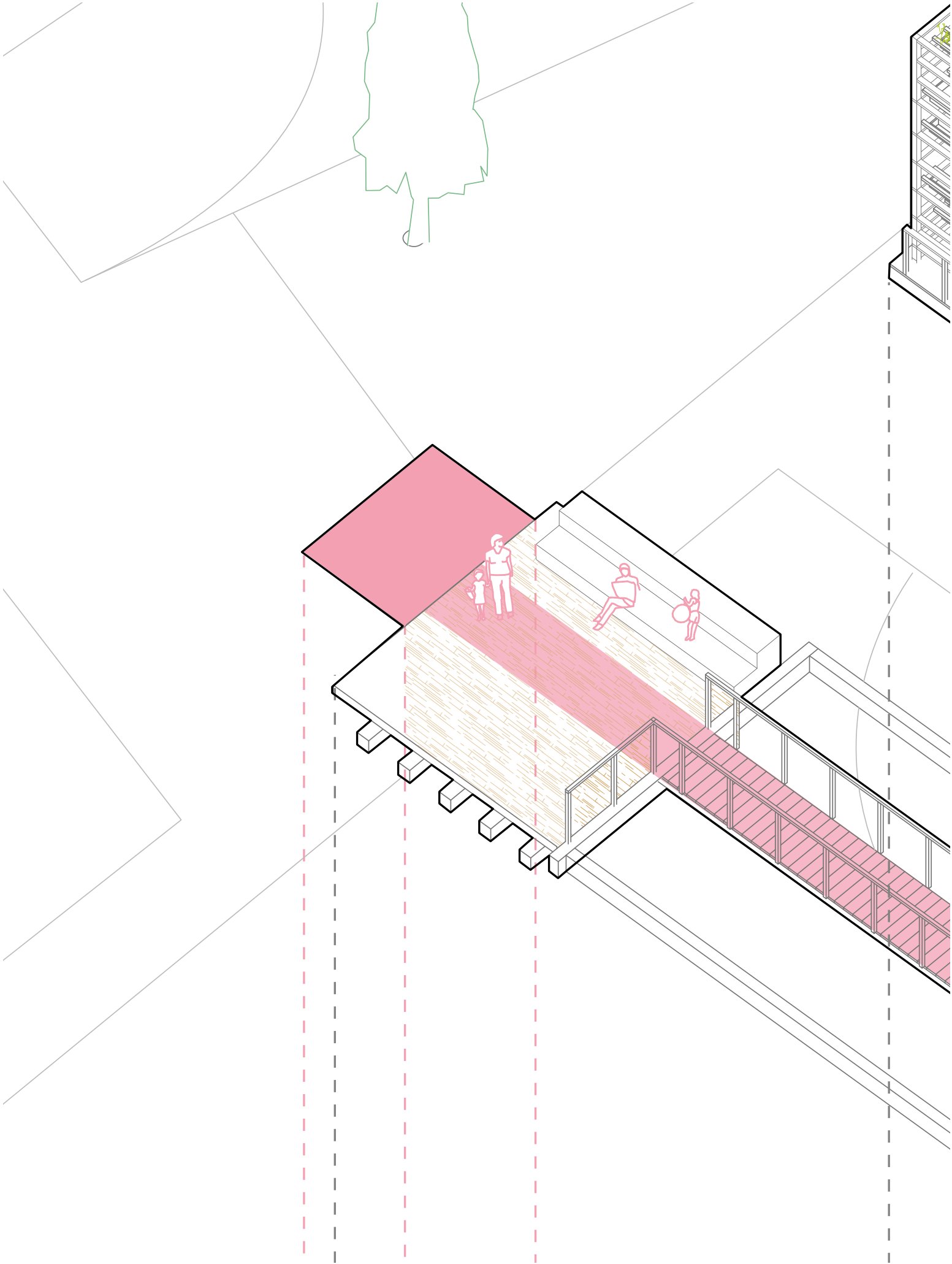
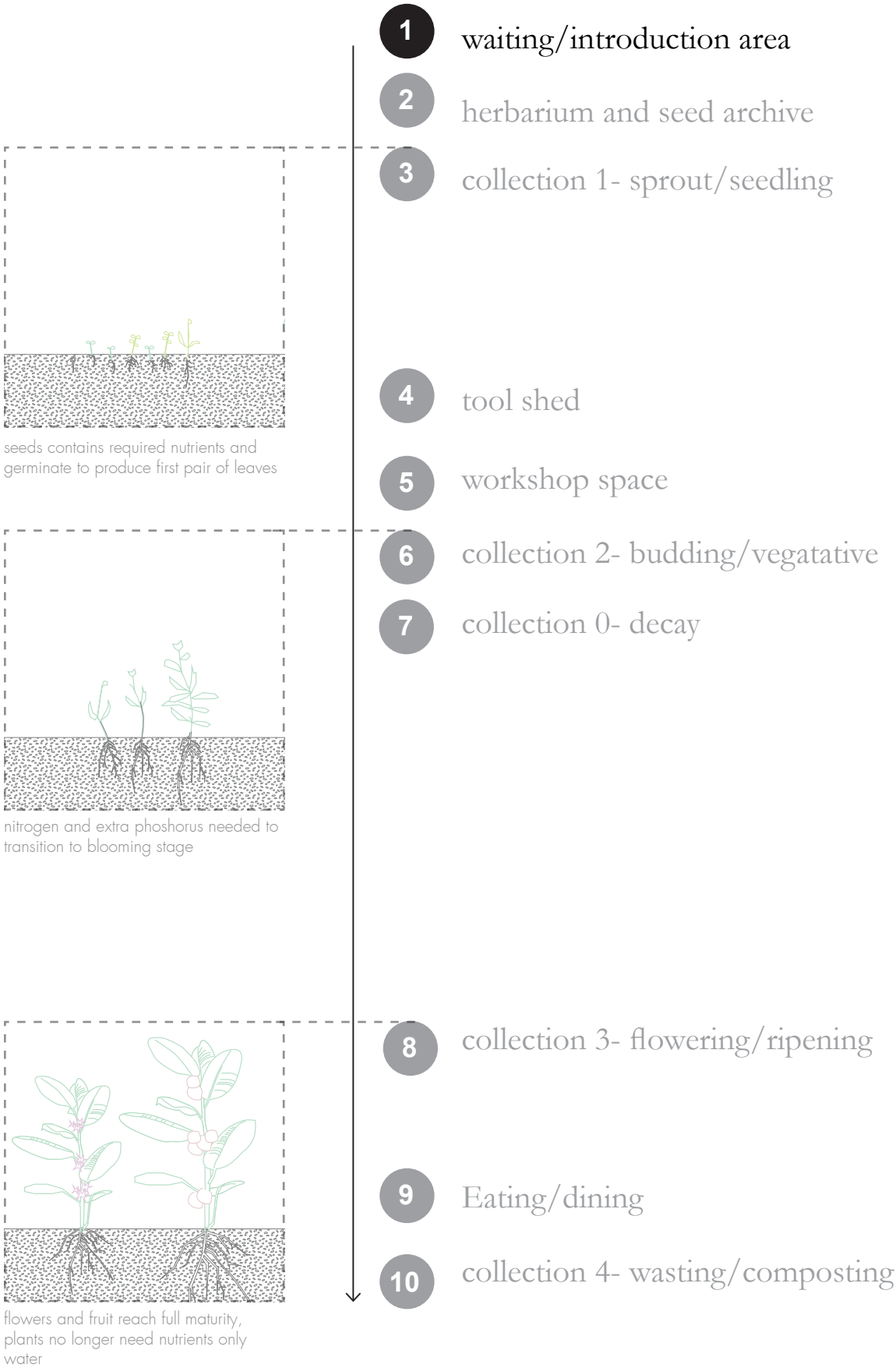
flowers and fruit reach full maturity, plants no longer need nutrients only water

- 1 waiting/introduction area
- 2 herbarium and seed archive
- 3 collection 1- sprout/seedling
- 4 tool shed
- 5 workshop space
- 6 collection 2- budding/vegatative
- 7 collection 0- decay
- 8 collection 3- flowering/ripening
- 9 Eating/dining
- 10 collection 4- wasting/composting



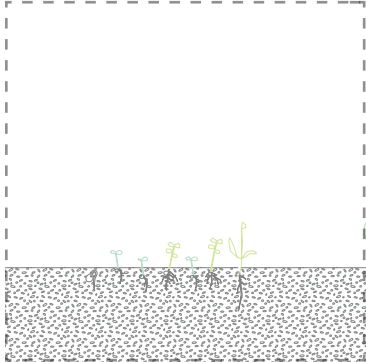
engaging with the process

programme sequence

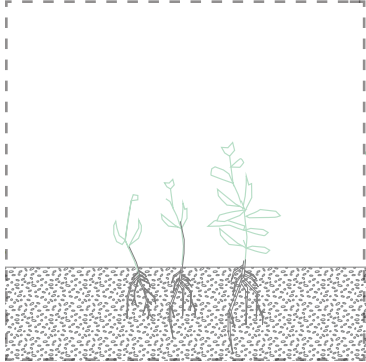


engaging with the process

programme sequence



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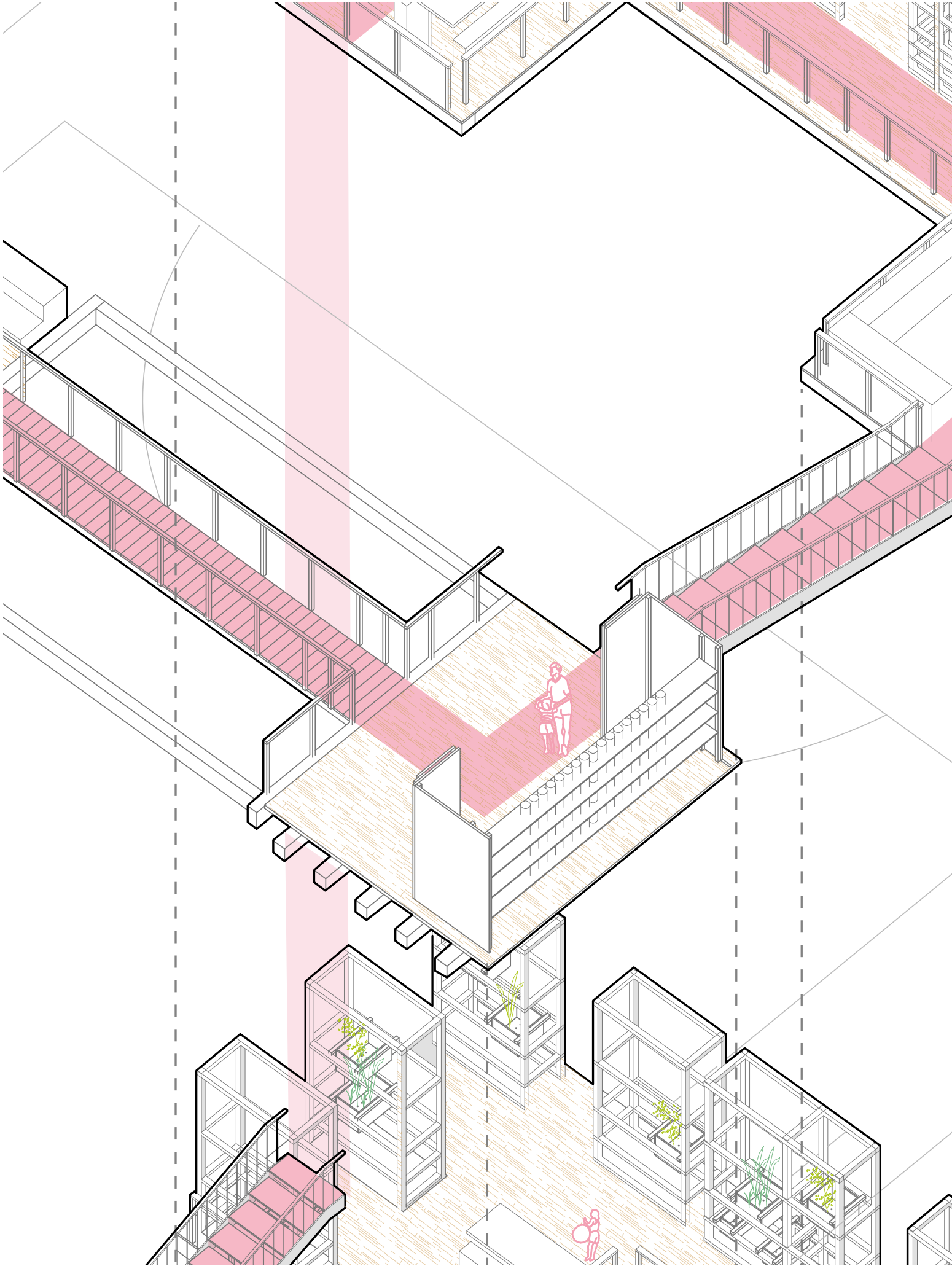


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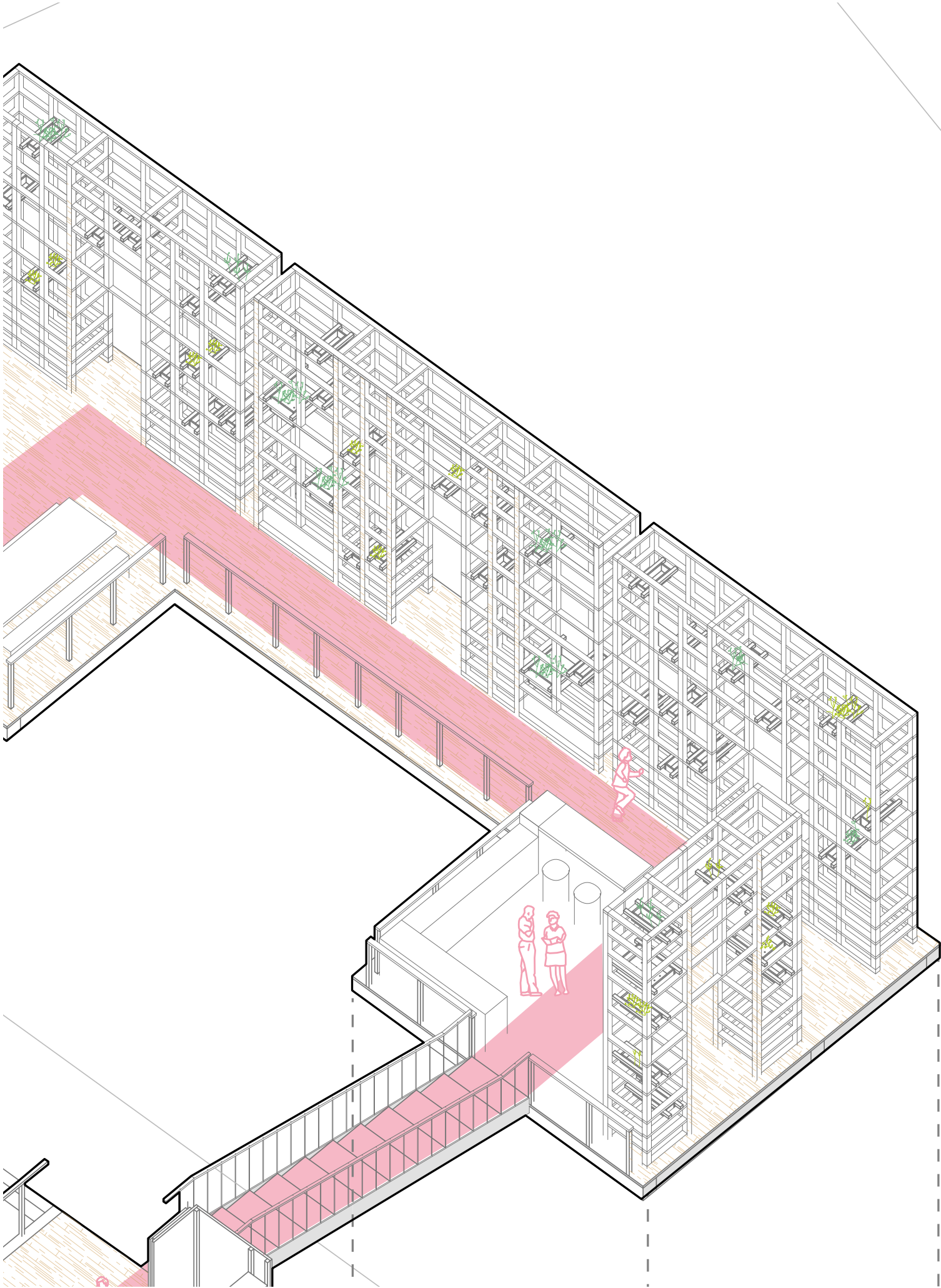
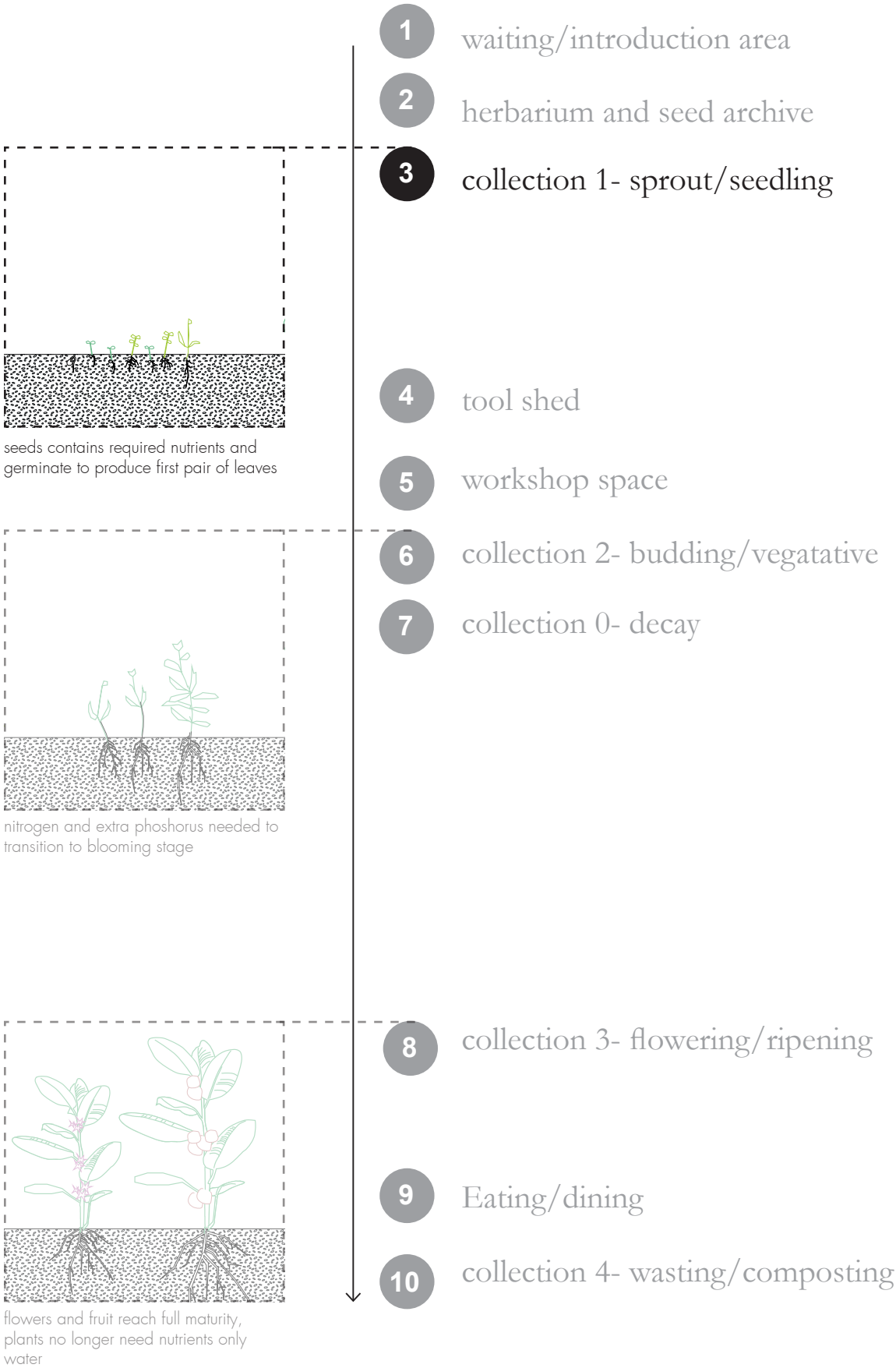
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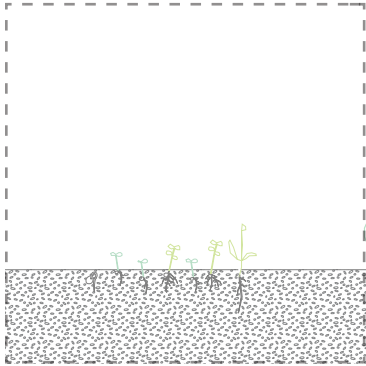
engaging with the process

programme sequence

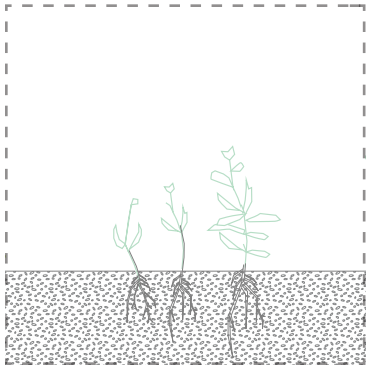


engaging with the process

programme sequence



seeds contains required nutrients and germinate to produce first pair of leaves

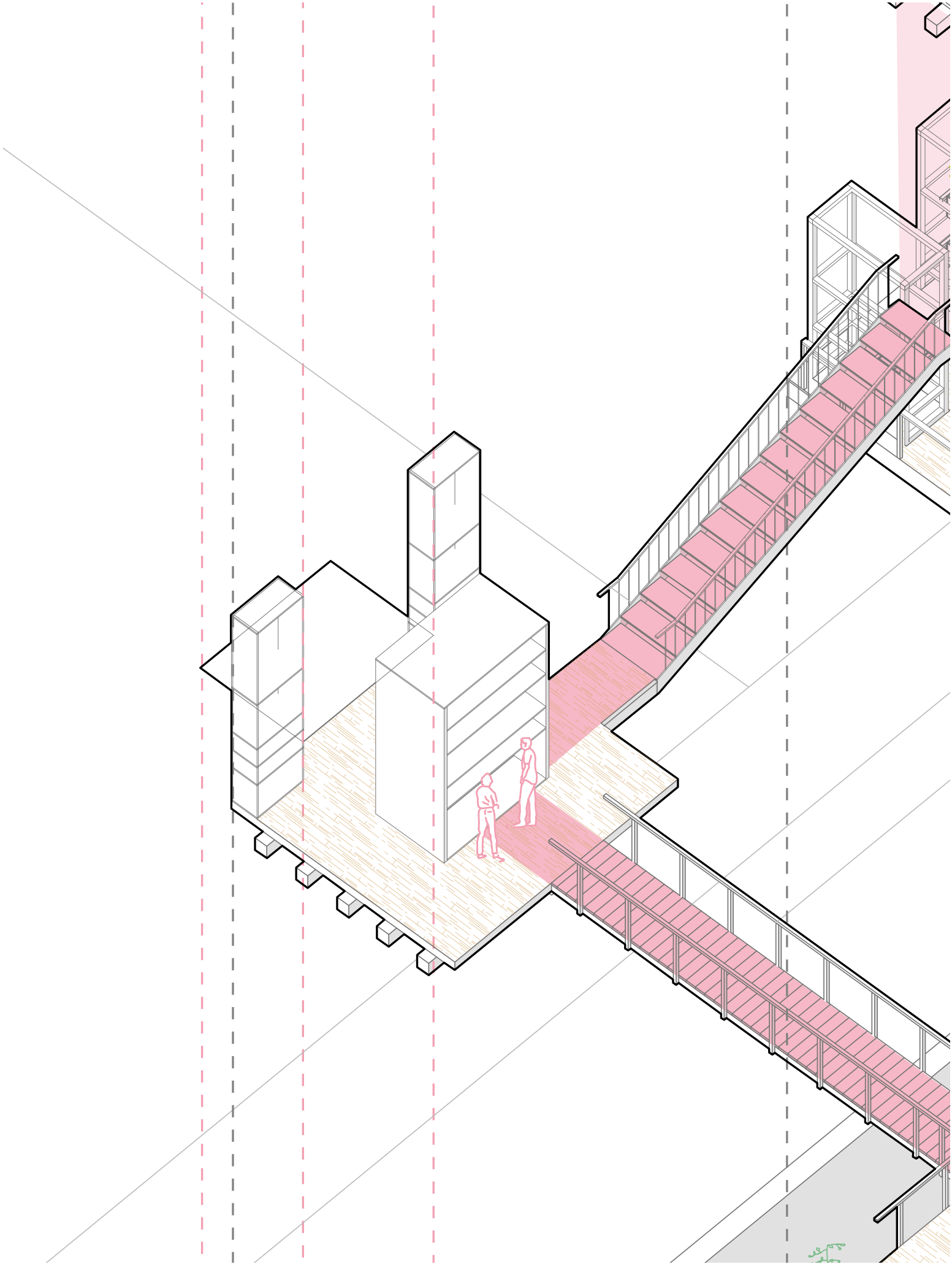


nitrogen and extra phoshorus needed to transition to blooming stage



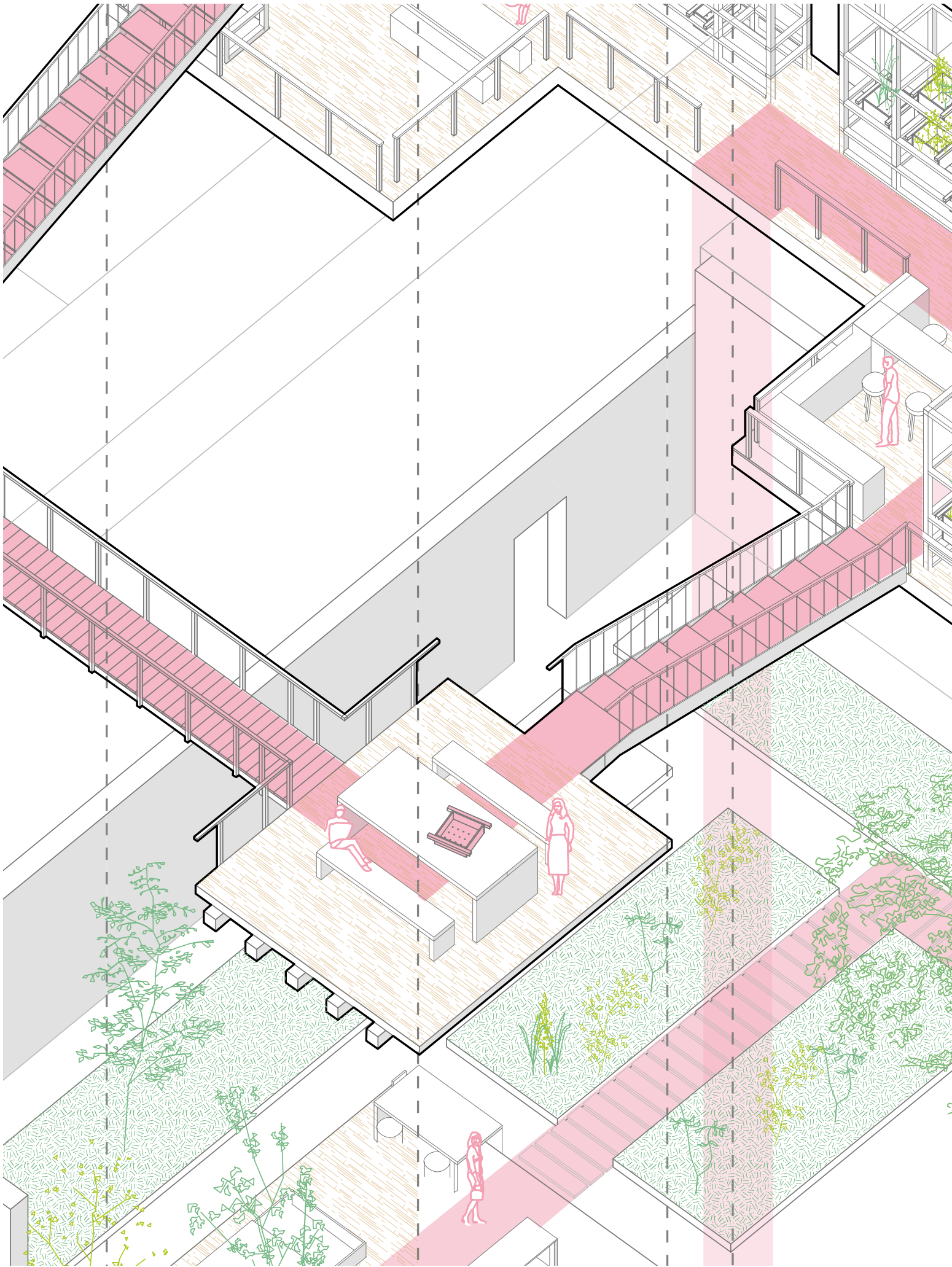
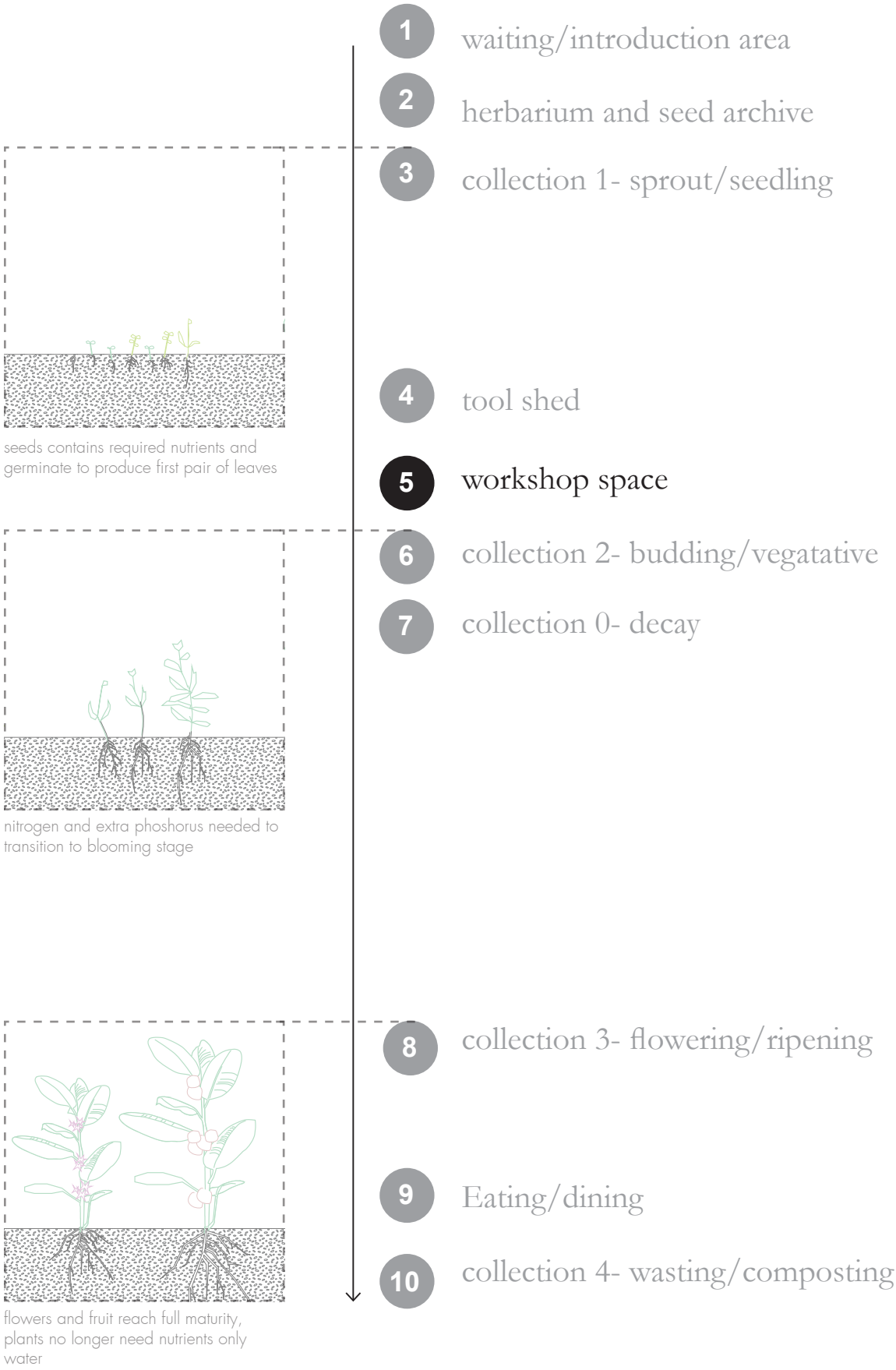
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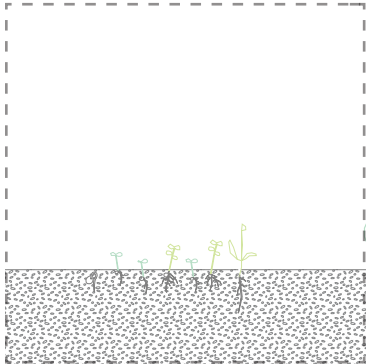
engaging with the process

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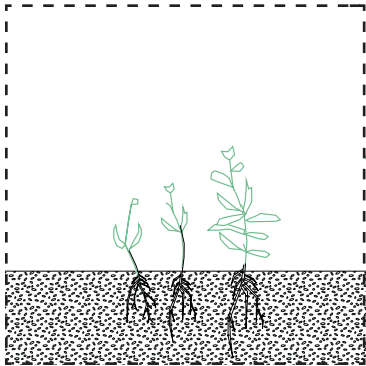


engaging with the process

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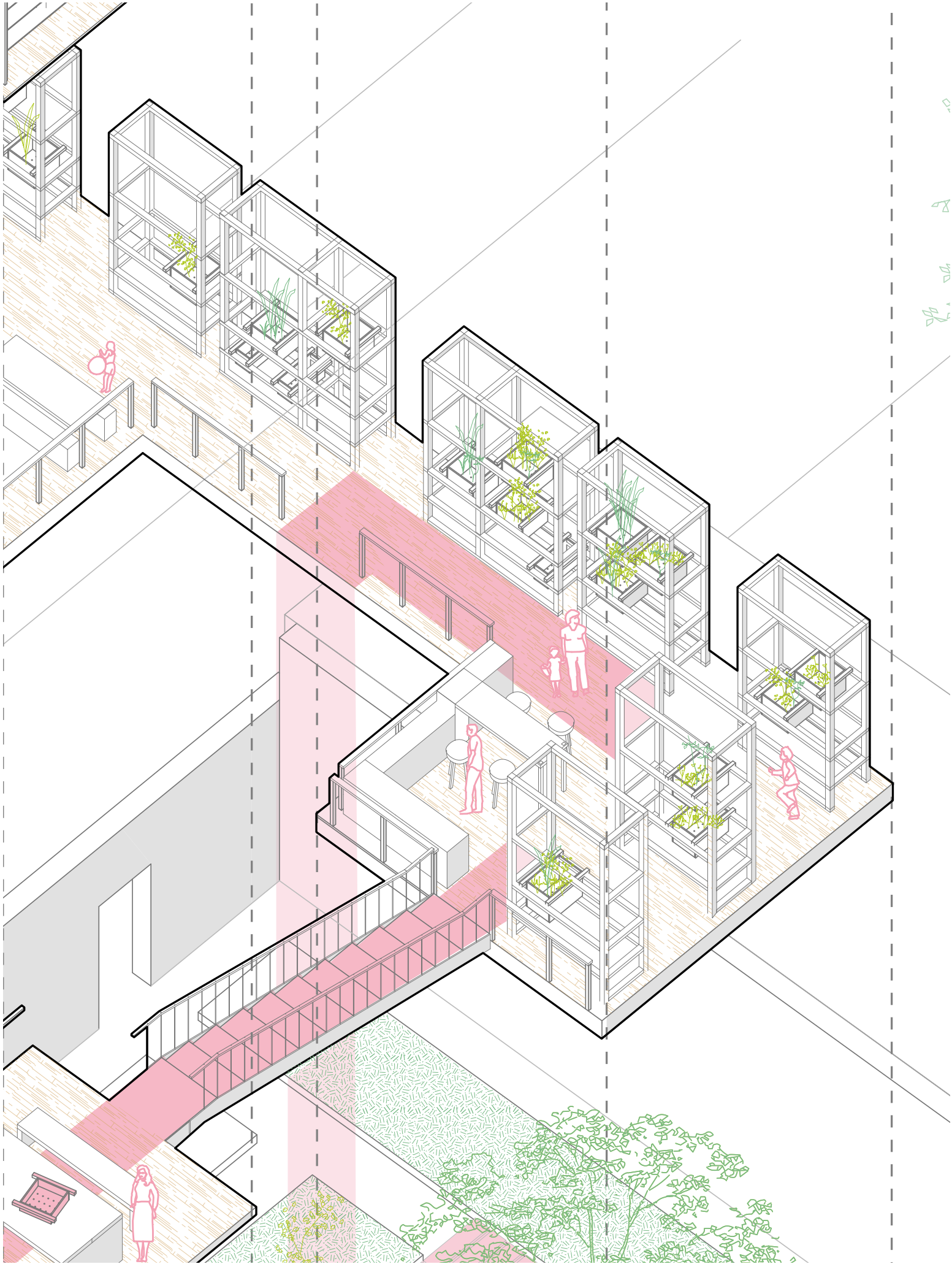


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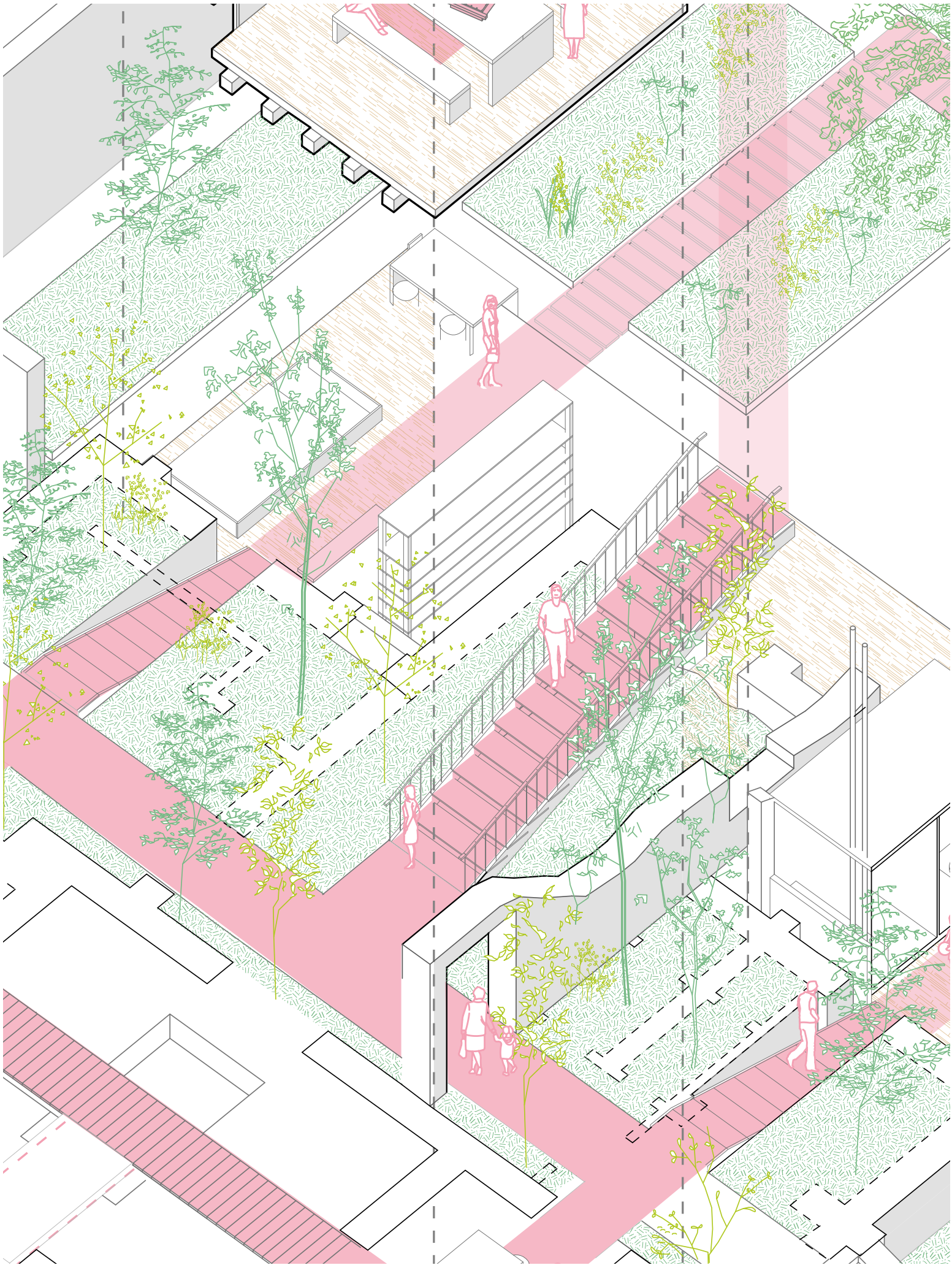
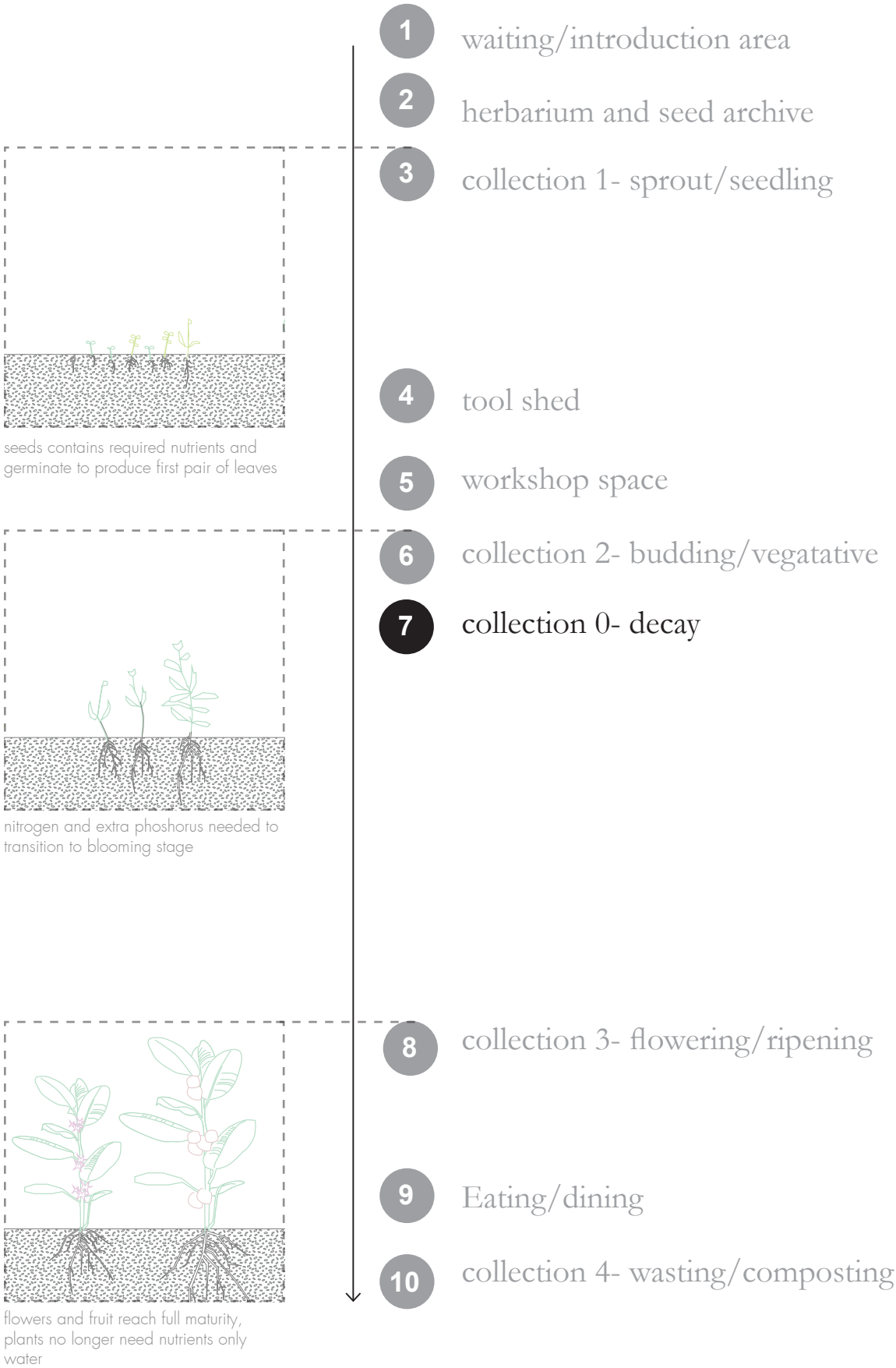
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- 7 collection 0- decay
- 8 collection 3- flowering/ripening
- 9 Eating/dining
- 10 collection 4- wasting/composting



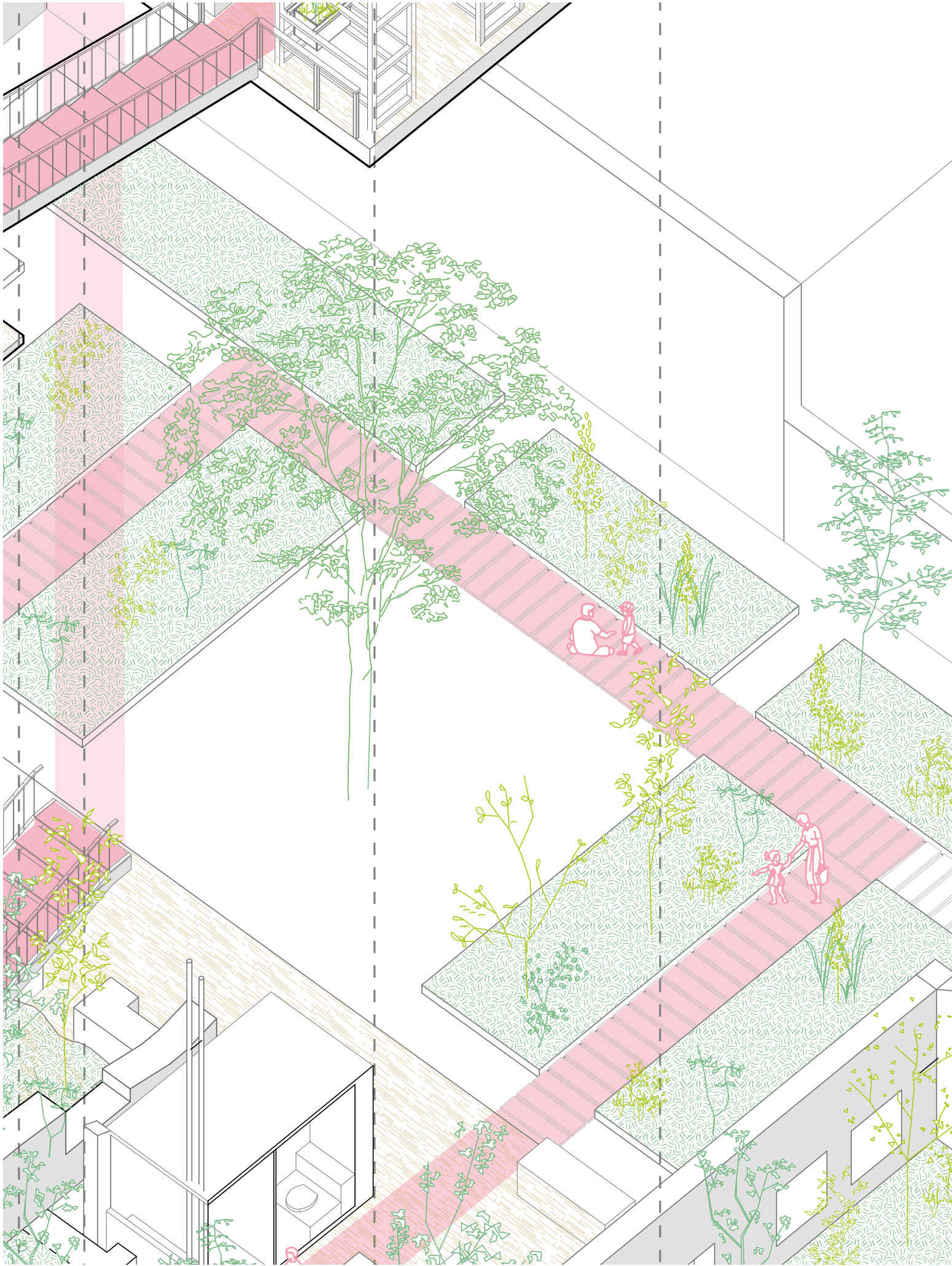
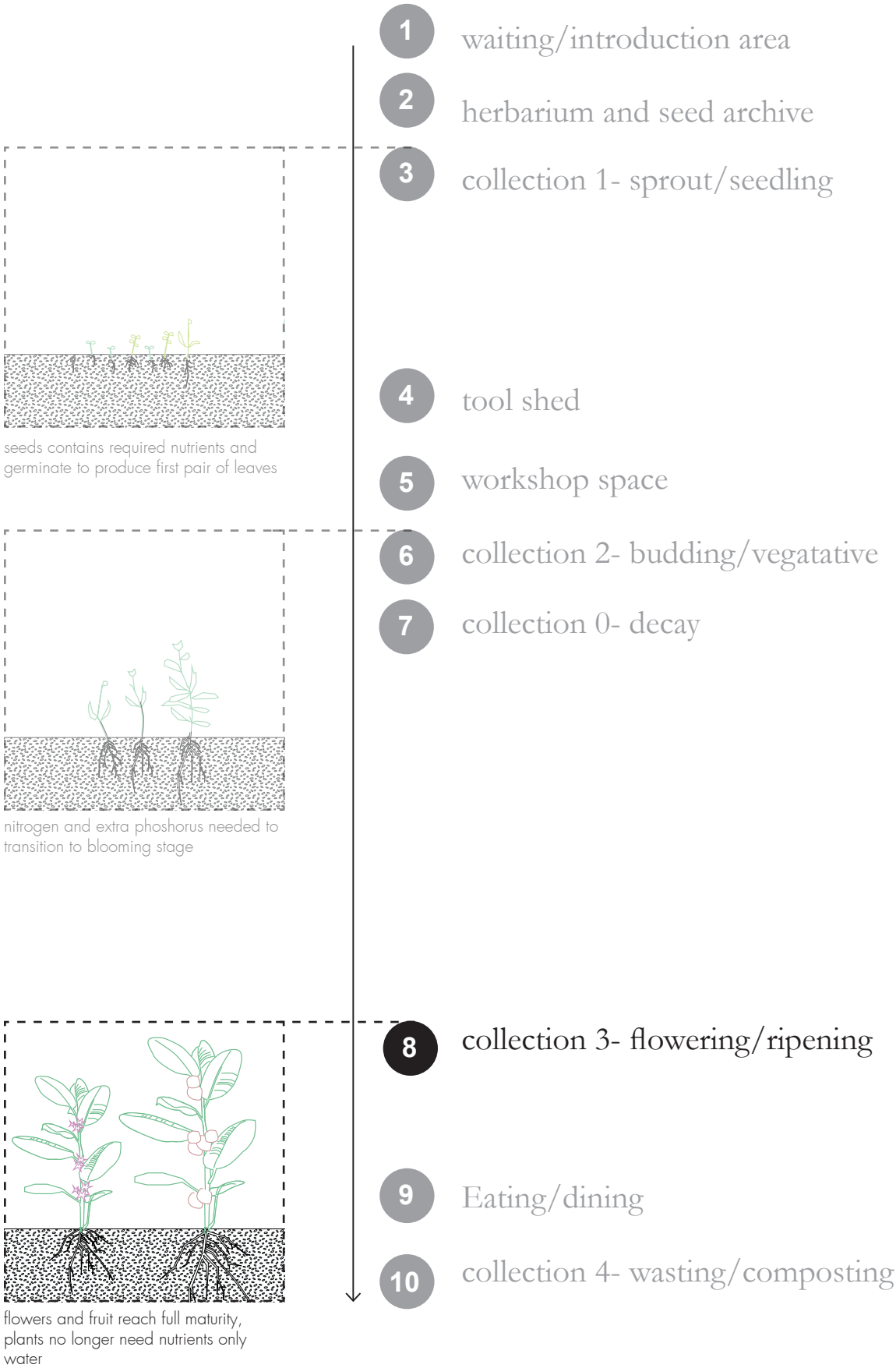
engaging with the process

programme sequence



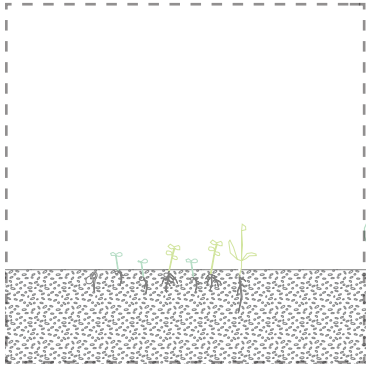
engaging with the process

programme sequence

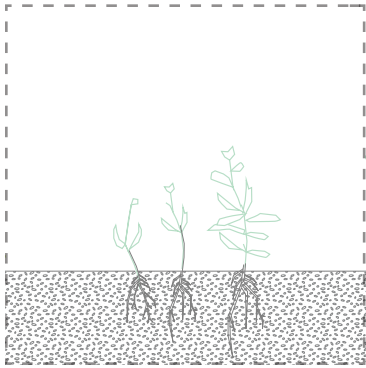


engaging with the process

programme sequence



seeds contains required nutrients and germinate to produce first pair of leaves

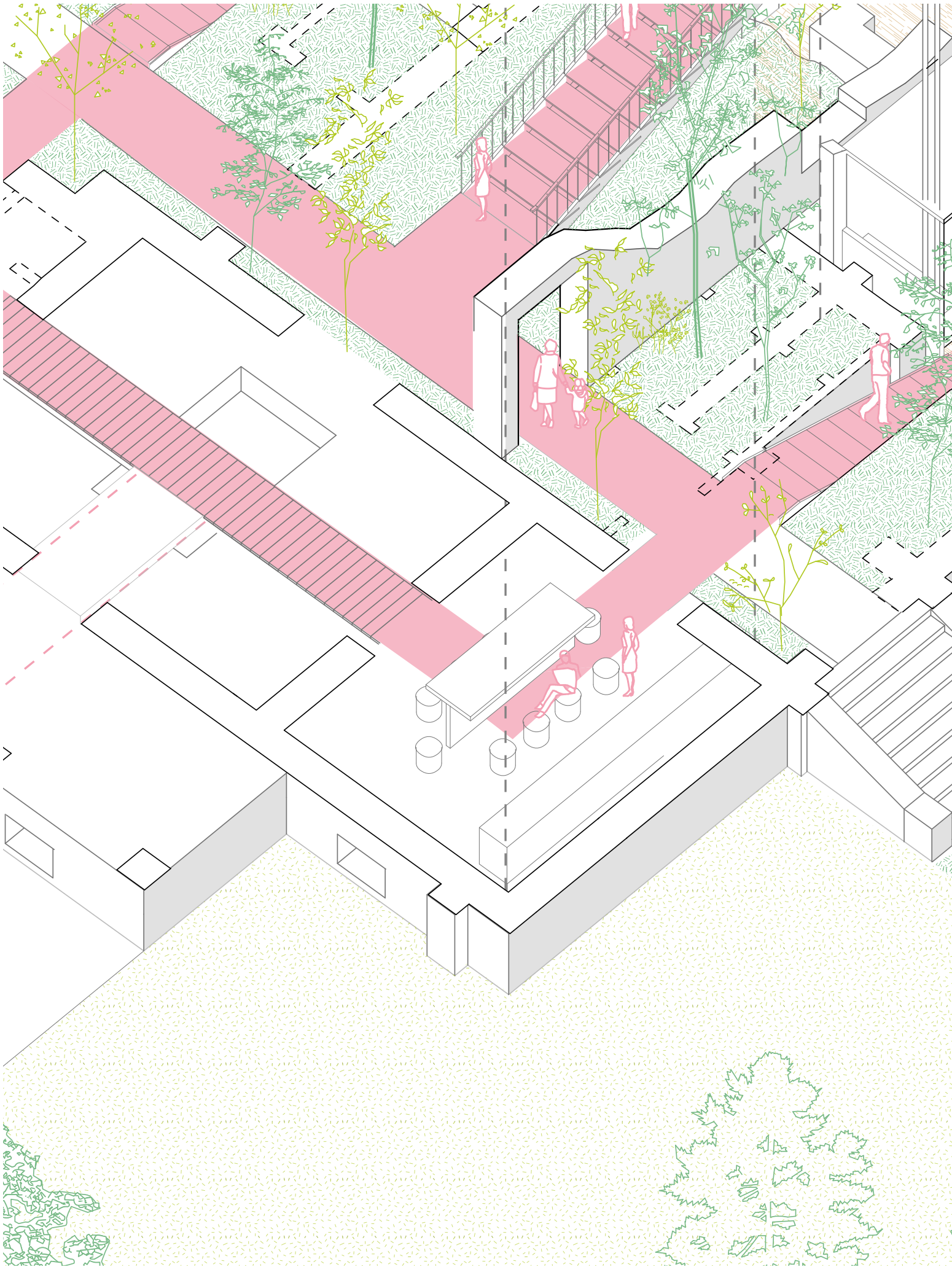


nitrogen and extra phoshorus needed to transition to blooming stage



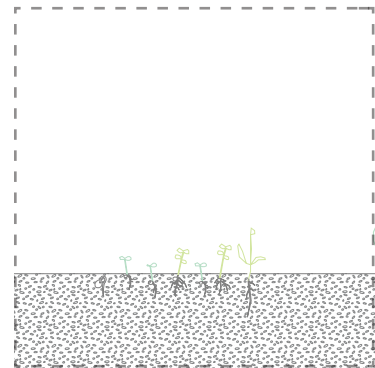
flowers and fruit reach full maturity, plants no longer need nutrients only water

- 1 waiting/introduction area
- 2 herbarium and seed archive
- 3 collection 1- sprout/seedling
- 4 tool shed
- 5 workshop space
- 6 collection 2- budding/vegatative
- 7 collection 0- decay
- 8 collection 3- flowering/ripening
- 9 Eating/dining
- 10 collection 4- wasting/composting

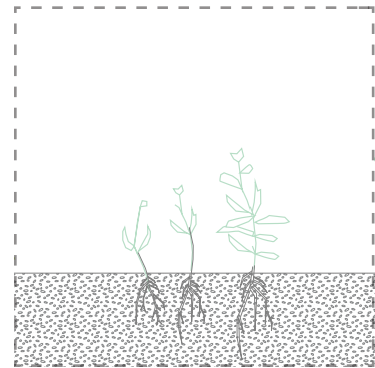


engaging with the process

programme sequence



seeds contains required nutrients and germinate to produce first pair of leaves

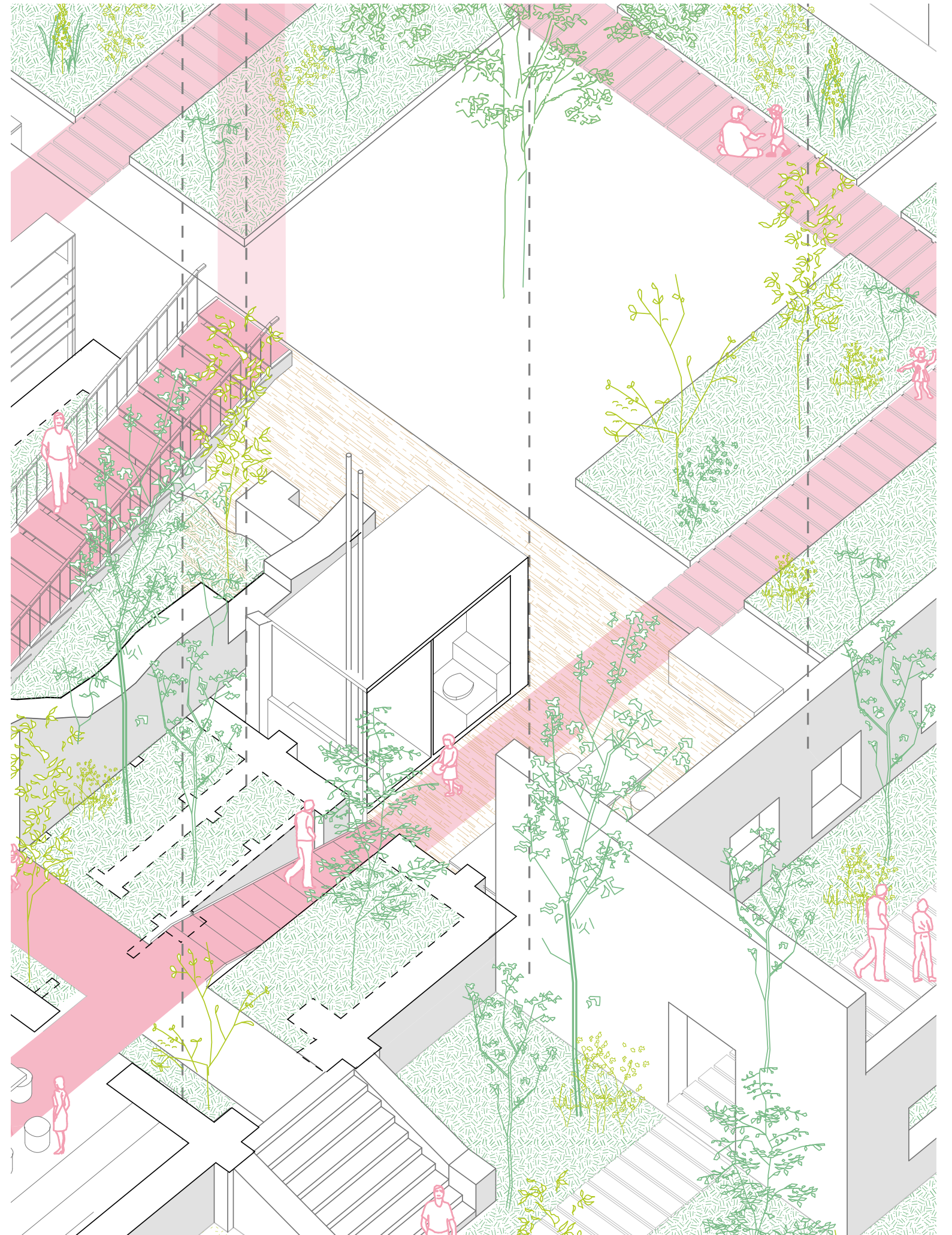


nitrogen and extra phosphorus needed to transition to blooming stage



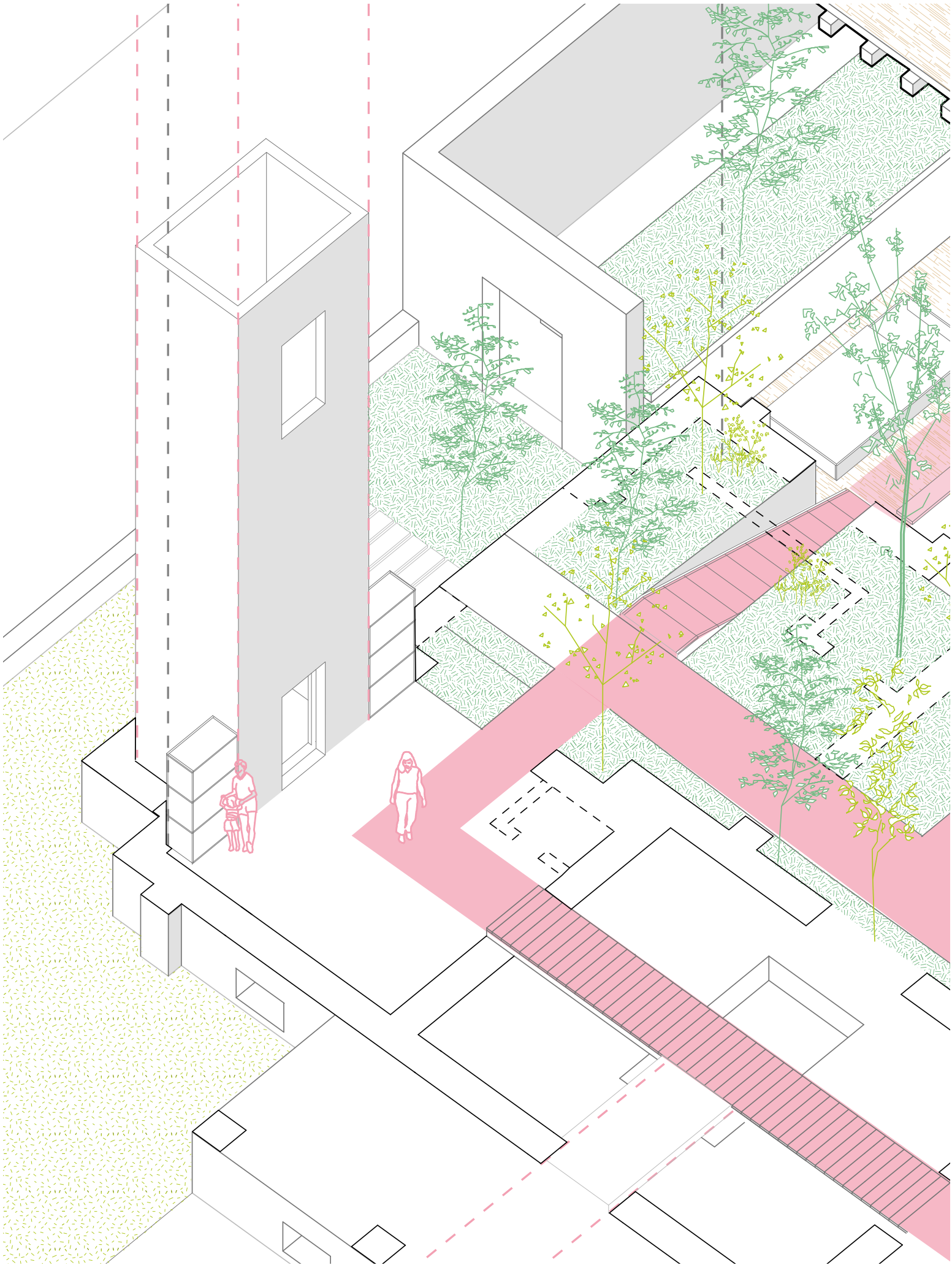
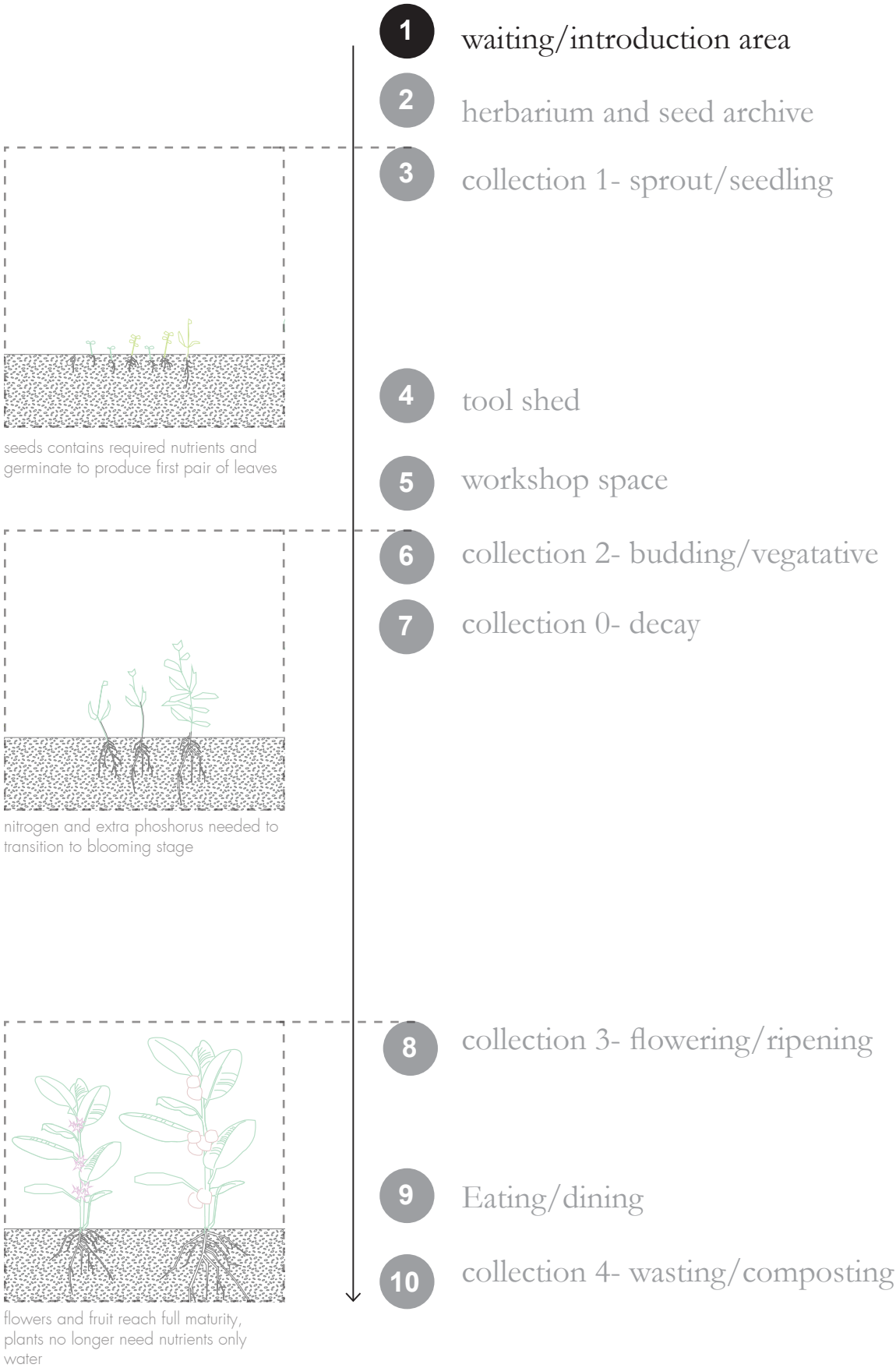
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engaging with the process

programme sequence

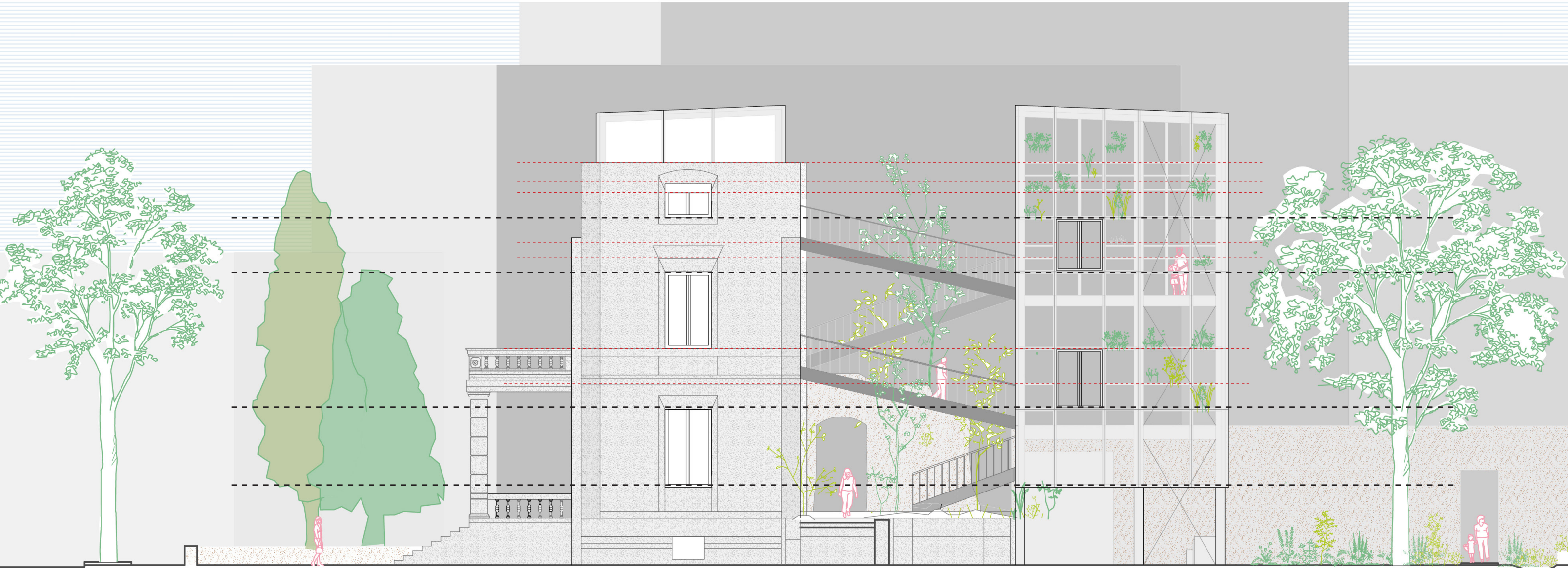


communication between the process

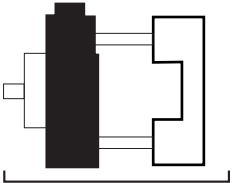


programme section bb 1:100

relation to the existing



west elevation 1.200



west elevation

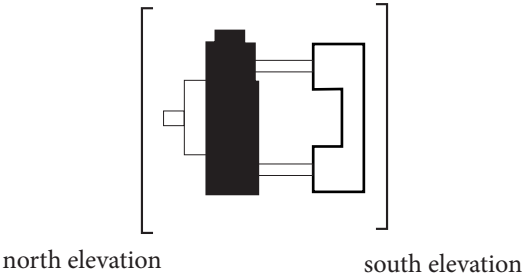
open read of the growth process



north elevation 1.200



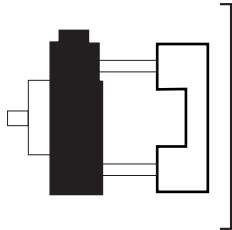
south elevation 1.200



open read of the growth process

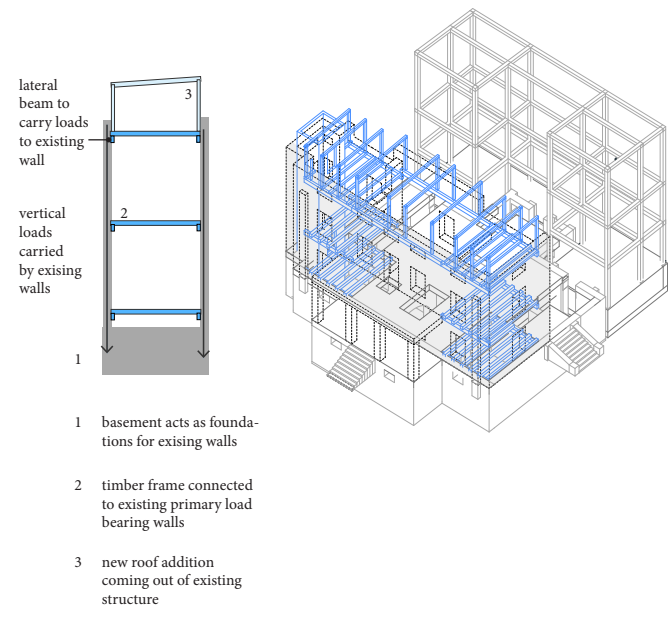


south elevation 1.200

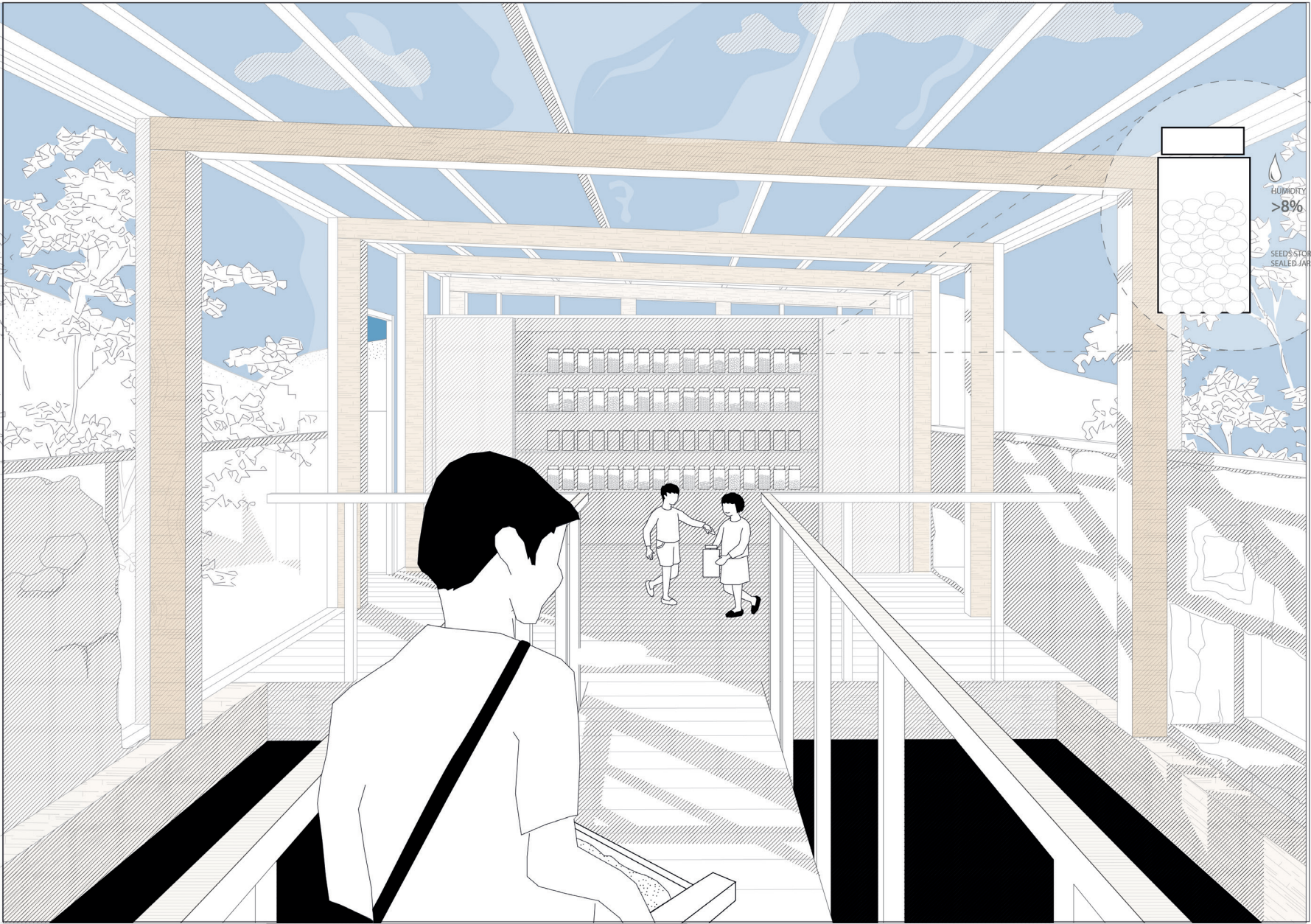


south elevation

spaces in the ruin



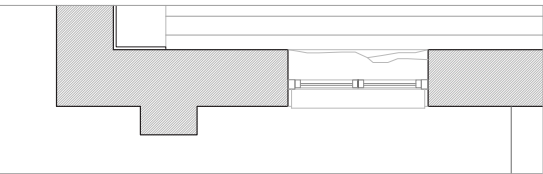
spaces in the ruin



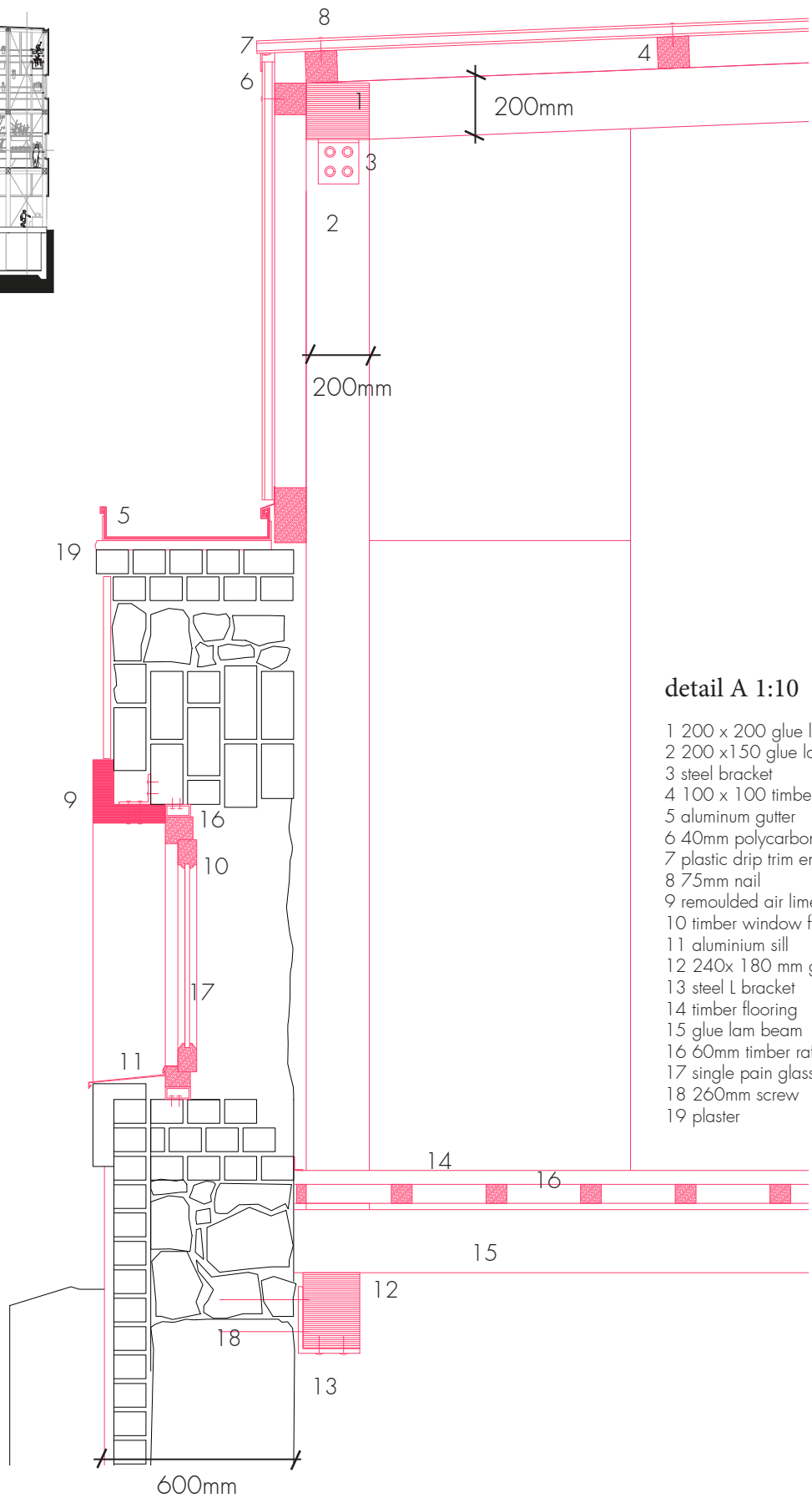
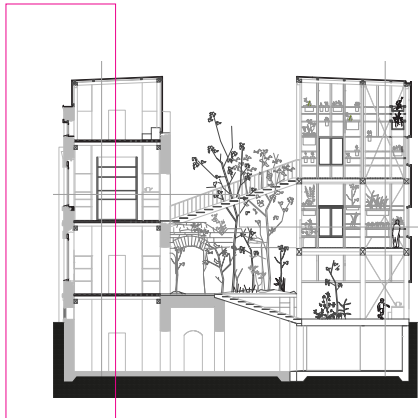
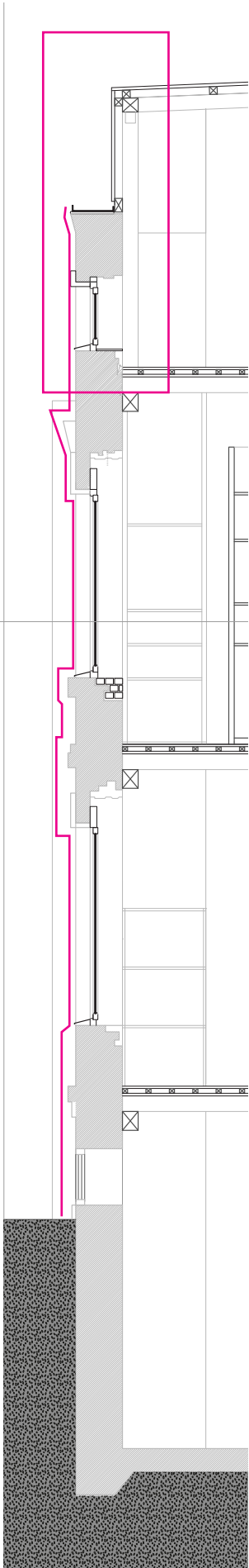
restoring the facade



external elevation existing building



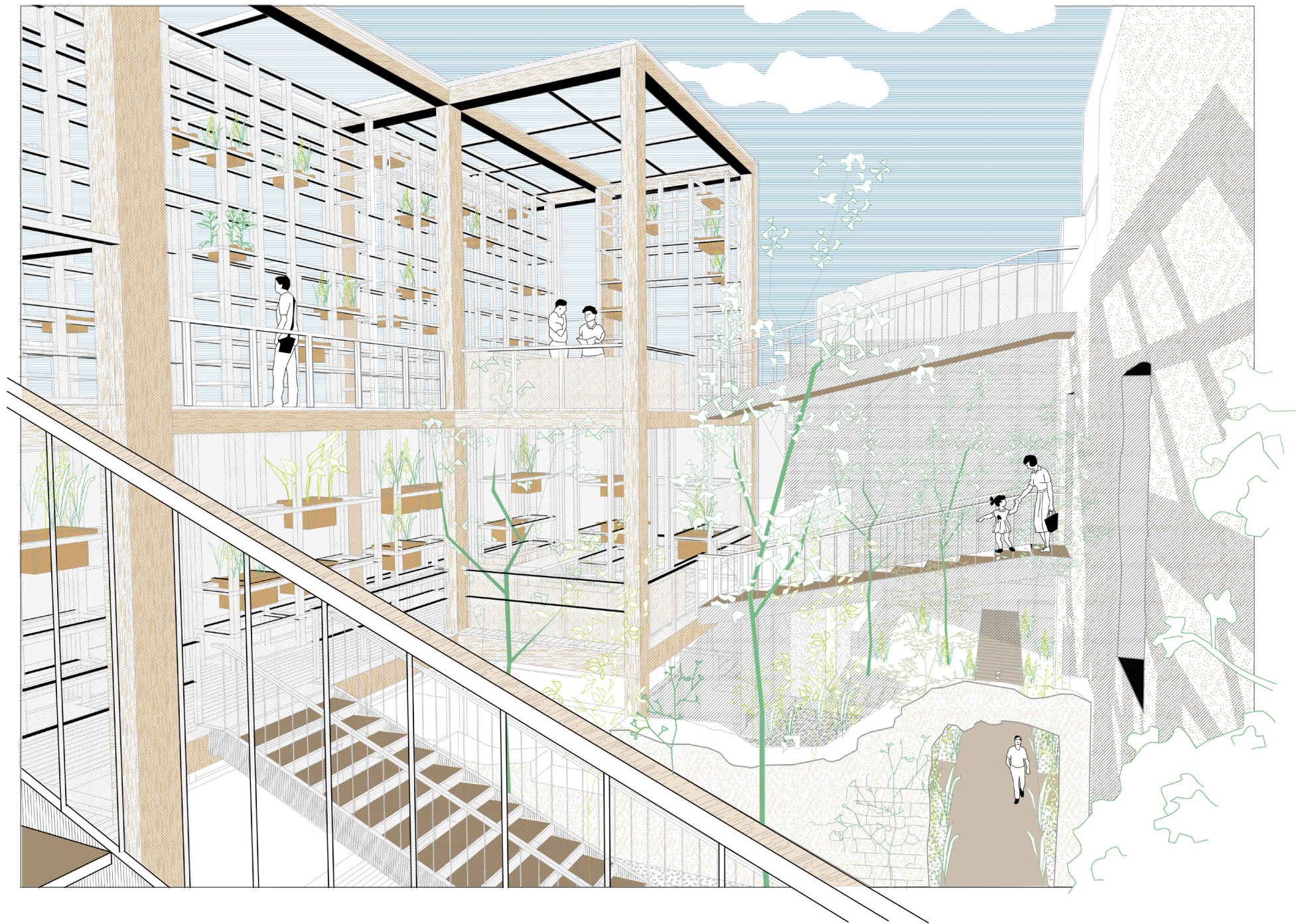
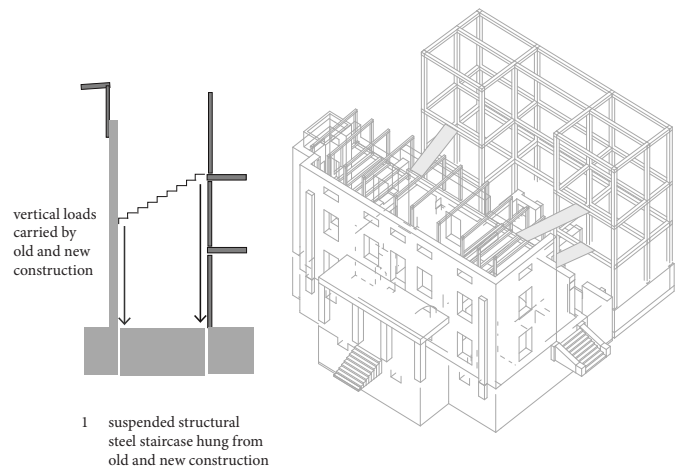
plan fragment A existing building



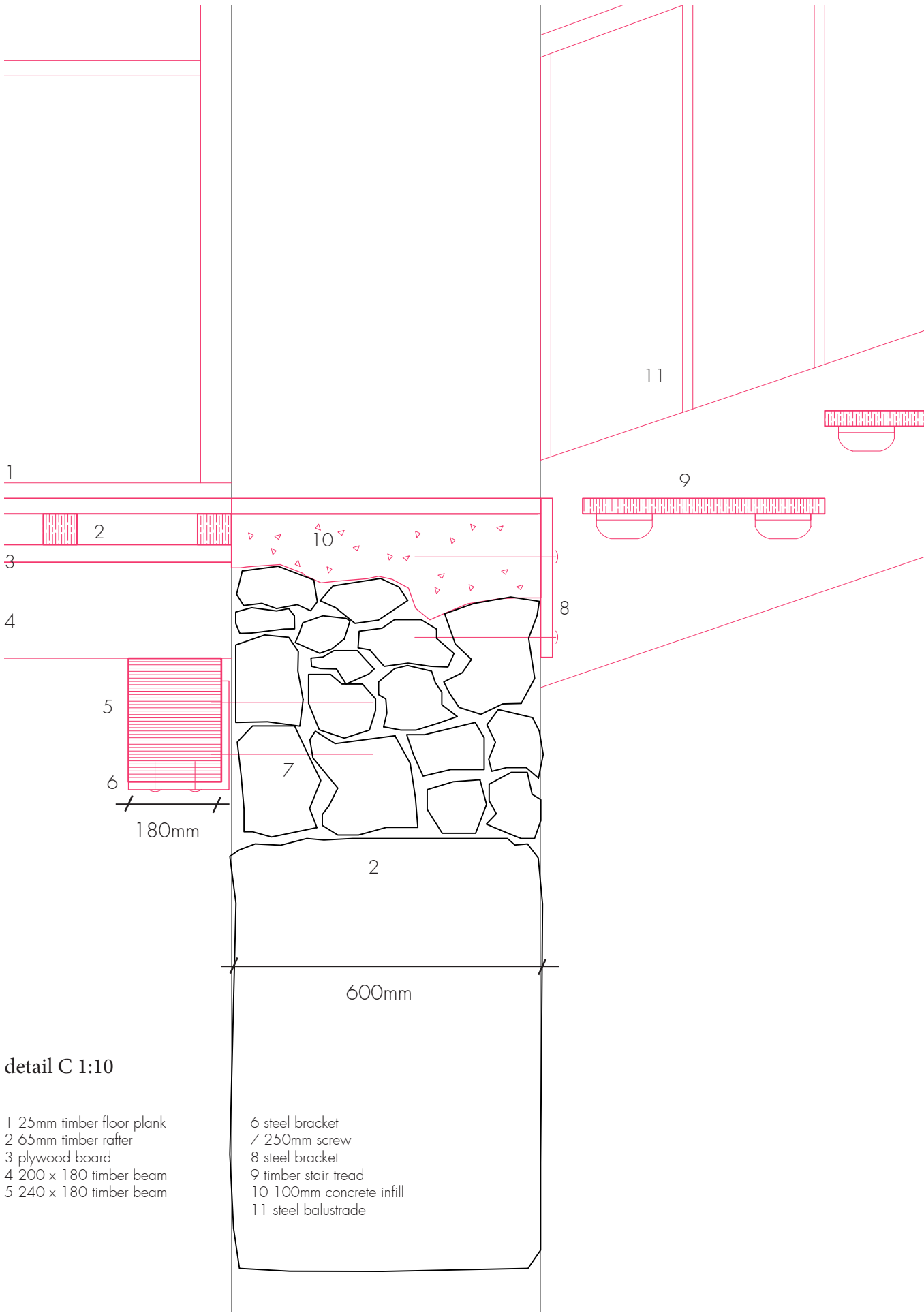
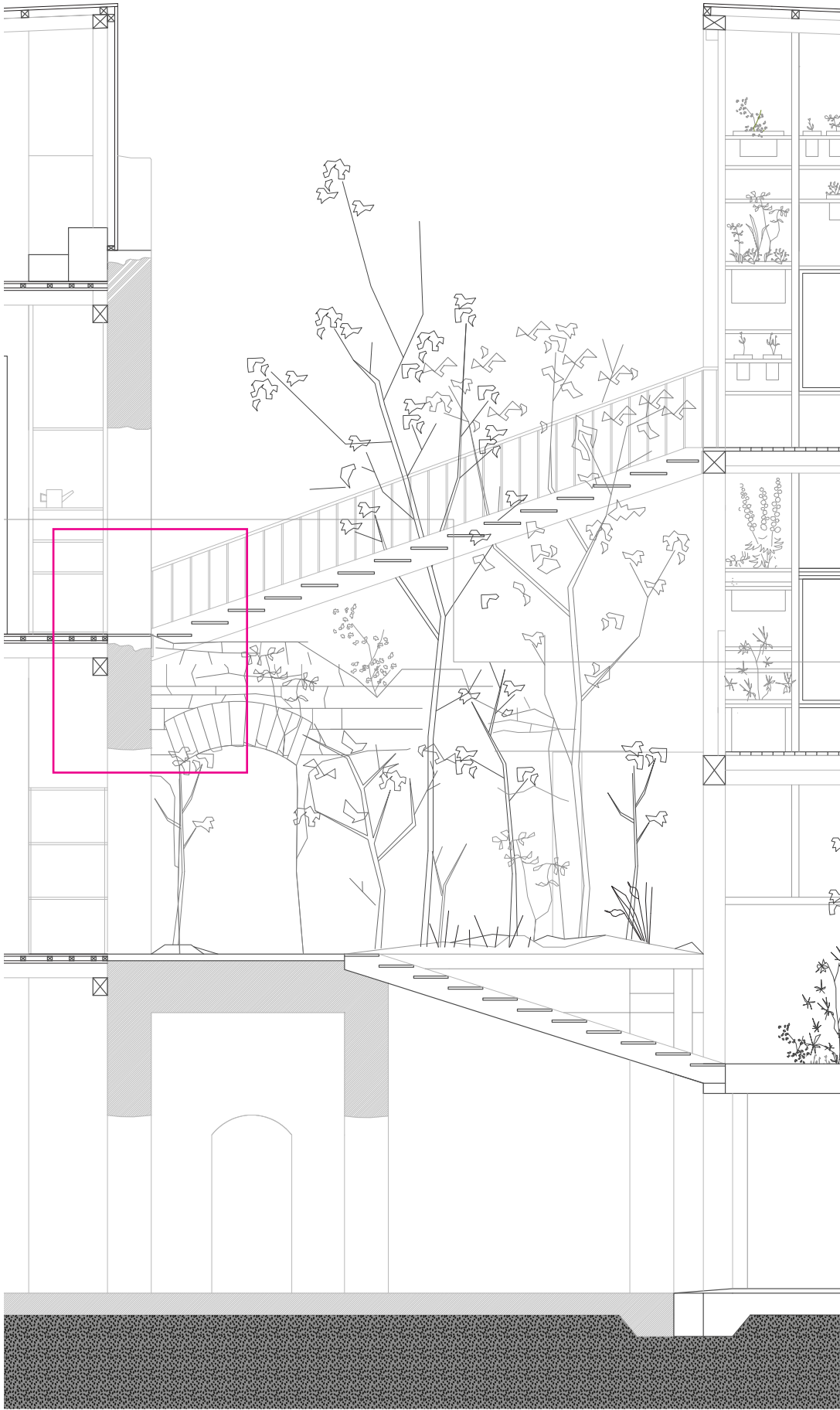
detail A 1:10

- 1 200 x 200 glue lam beam
- 2 200 x 150 glue lam column
- 3 steel bracket
- 4 100 x 100 timber rafter
- 5 aluminum gutter
- 6 40mm polycarbonate sheet
- 7 plastic drip trim end closure
- 8 75mm nail
- 9 remoulded air lime lintel
- 10 timber window frame
- 11 aluminium sill
- 12 240x 180 mm glue lam beam
- 13 steel L bracket
- 14 timber flooring
- 15 glue lam beam
- 16 60mm timber rafter
- 17 single pain glass
- 18 260mm screw
- 19 plaster

spaces in the transition zone



connecting staircase

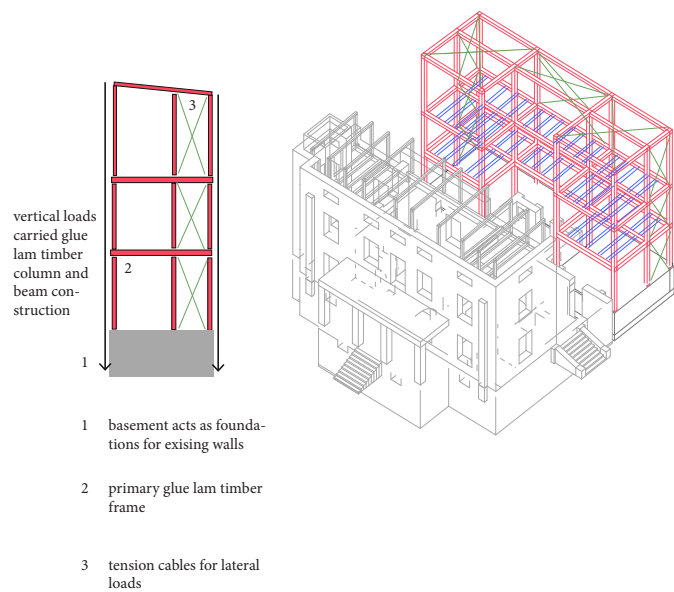


detail C 1:10

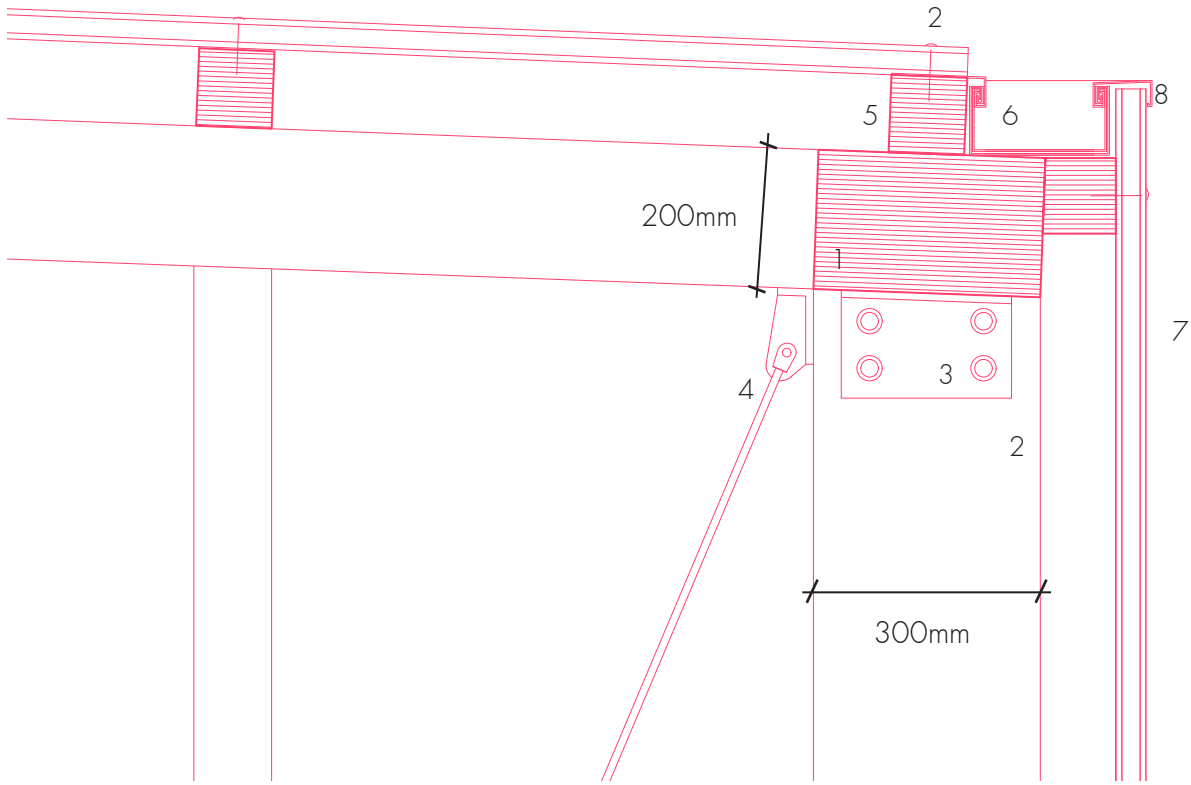
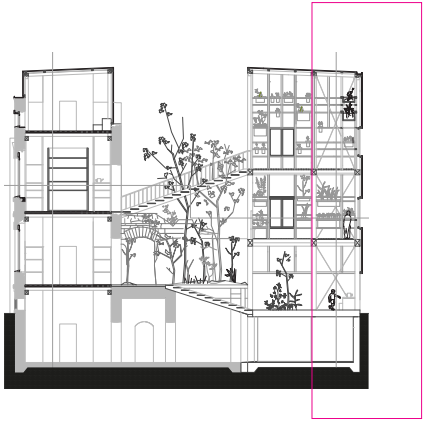
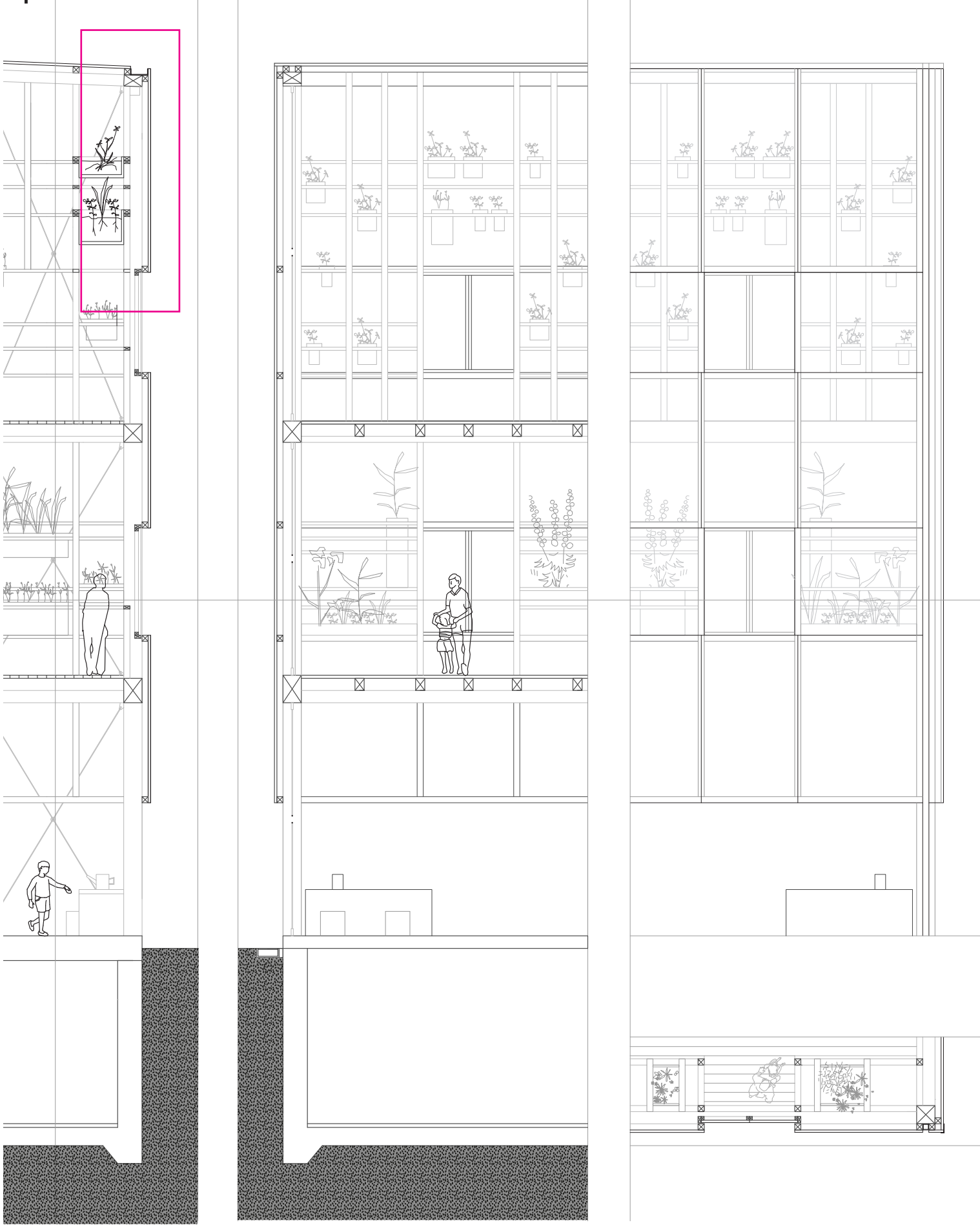
- 1 25mm timber floor plank
- 2 65mm timber rafter
- 3 plywood board
- 4 200 x 180 timber beam
- 5 240 x 180 timber beam

- 6 steel bracket
- 7 250mm screw
- 8 steel bracket
- 9 timber stair tread
- 10 100mm concrete infill
- 11 steel balustrade

spaces in the new structure



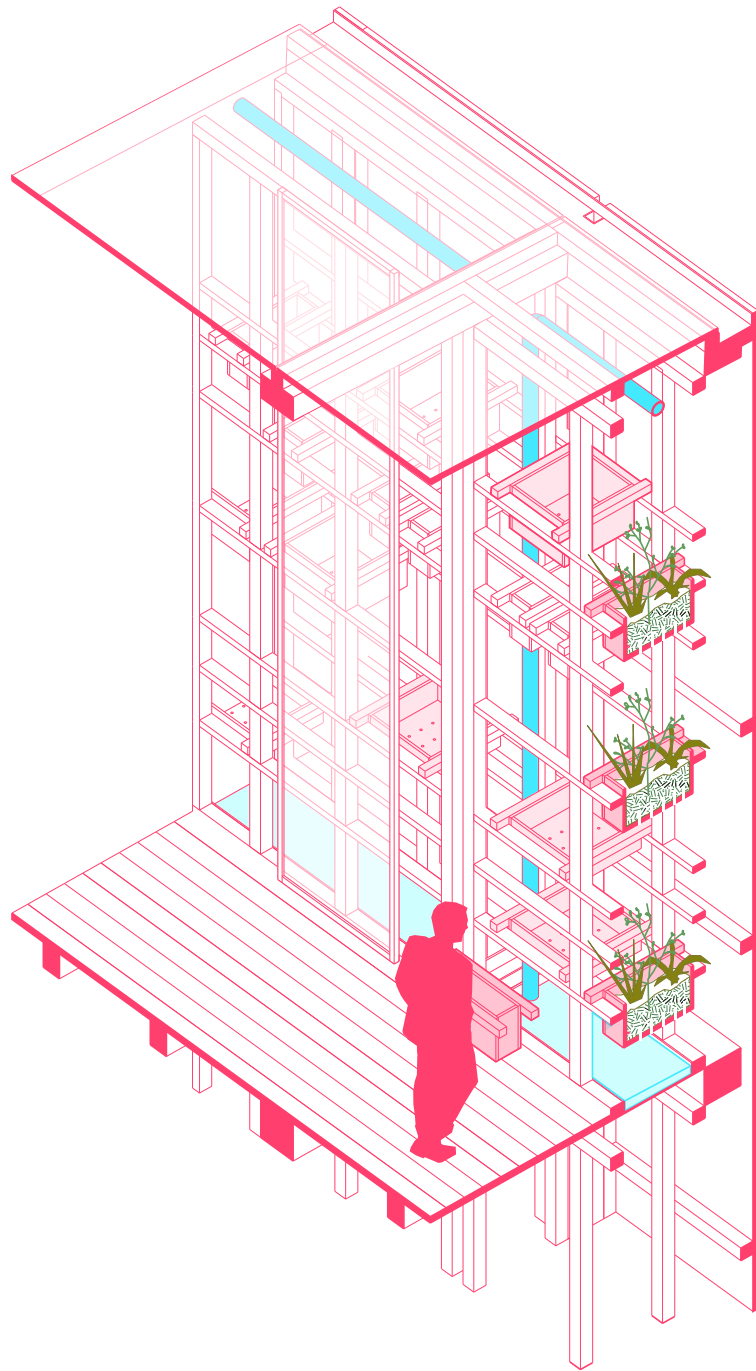
spaces in the new structure



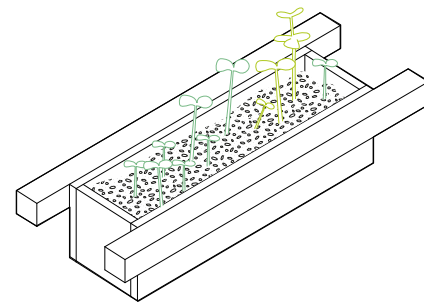
detail B 1:10

- 1 300 x 200 glue lam beam
- 2 300x 300 glue lam column
- 3 steel bracket
- 4 tension cable
- 5 100 x 100 timber rafter
- 6 aluminum gutter
- 7 40mm polycarbonate sheet
- 8 plastic drip trim end closure
- 9 75mm nail

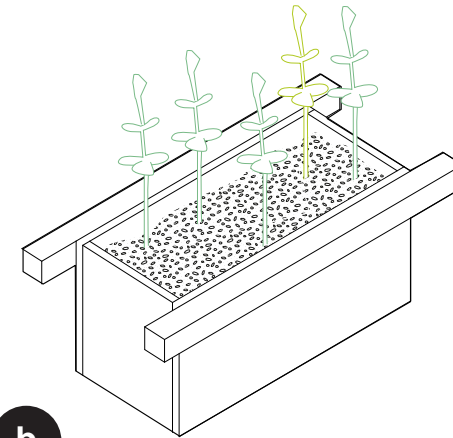
movement of plants



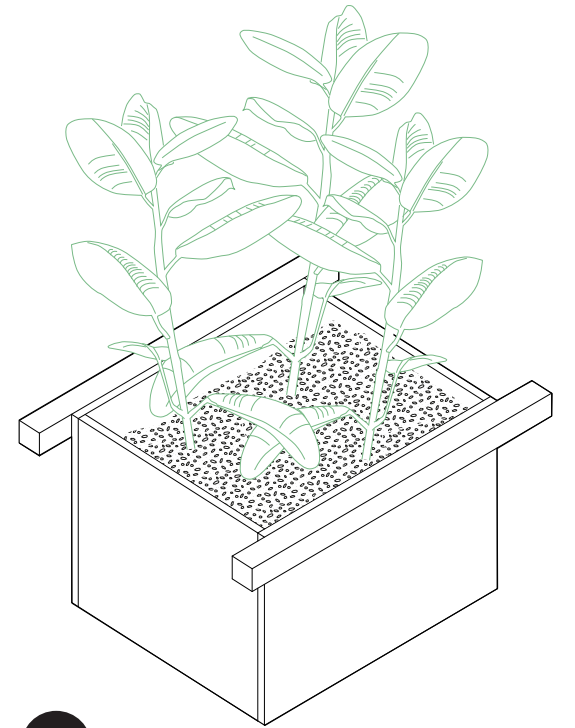
a



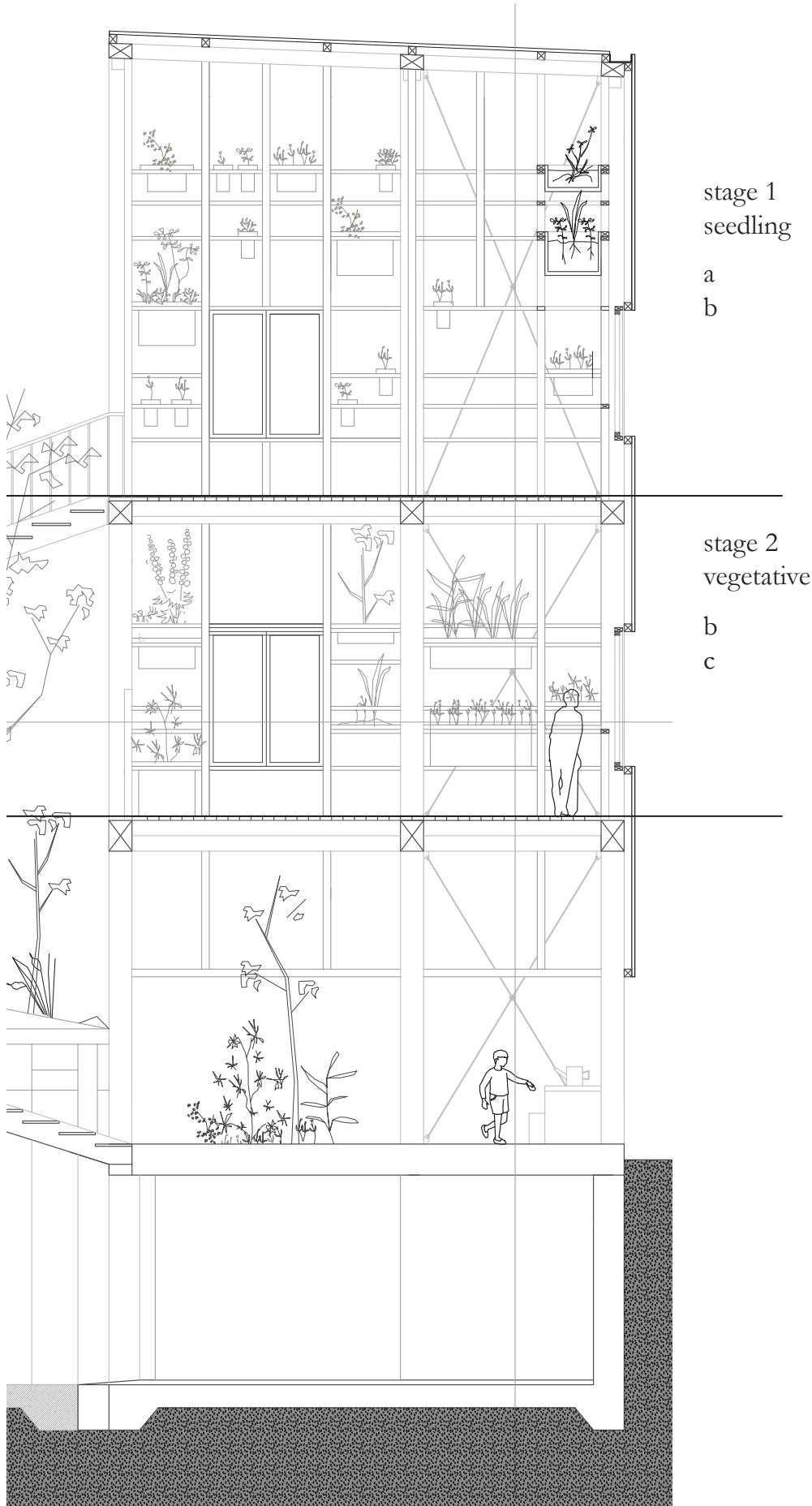
b



c



movement of plants



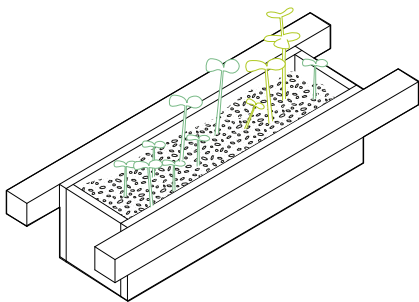
stage 1
seedling

a
b

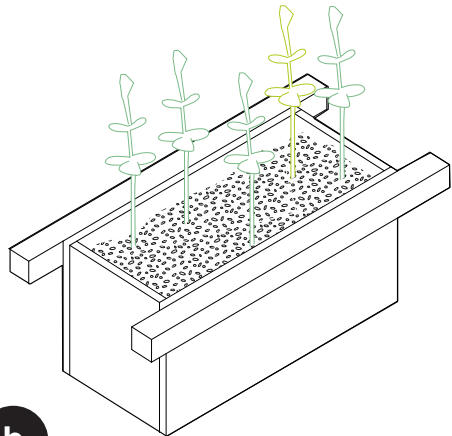
stage 2
vegetative

b
c

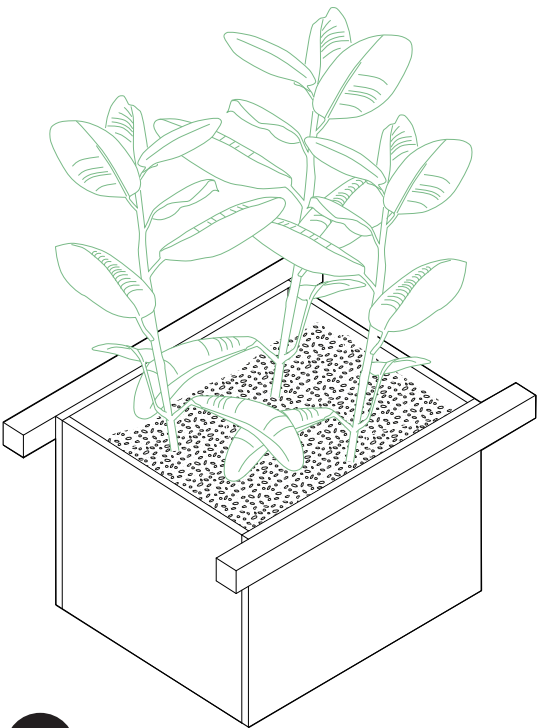
a



b



c



growth height
box depth

165

190

540

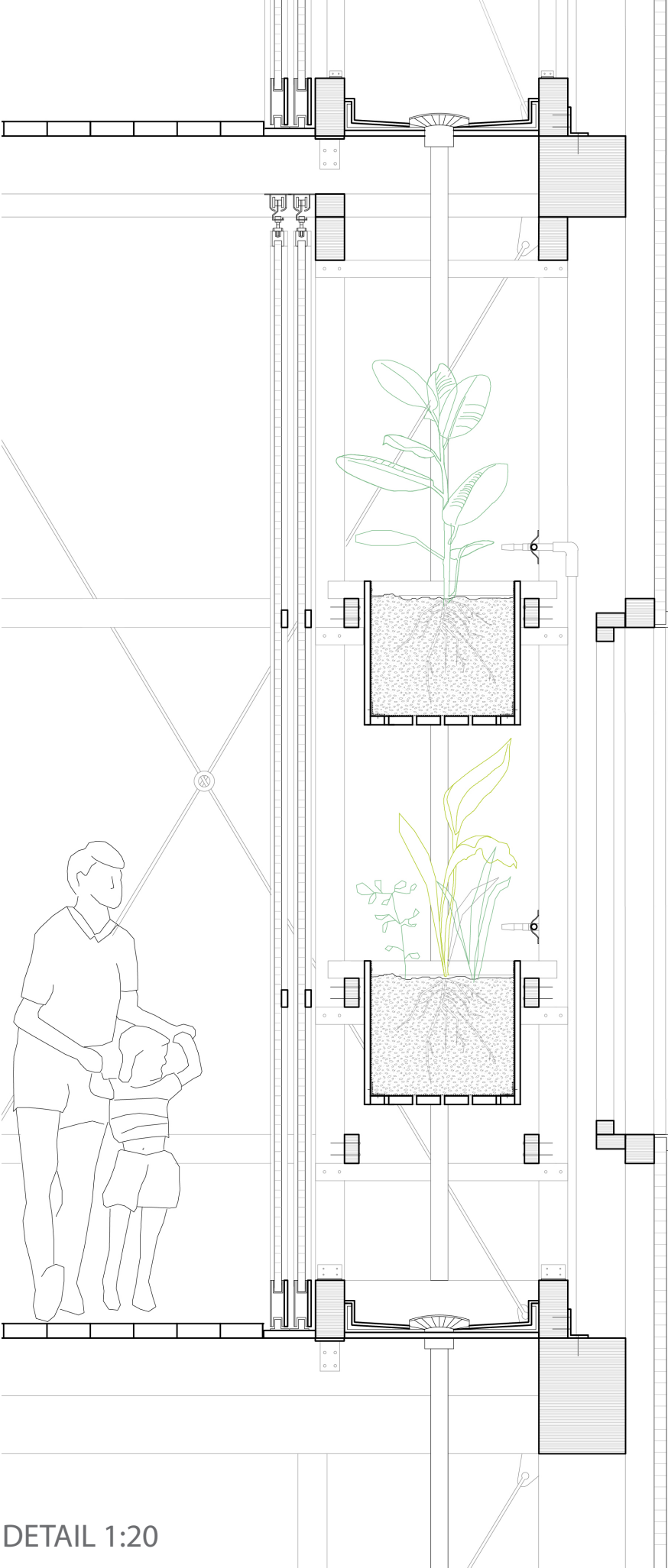
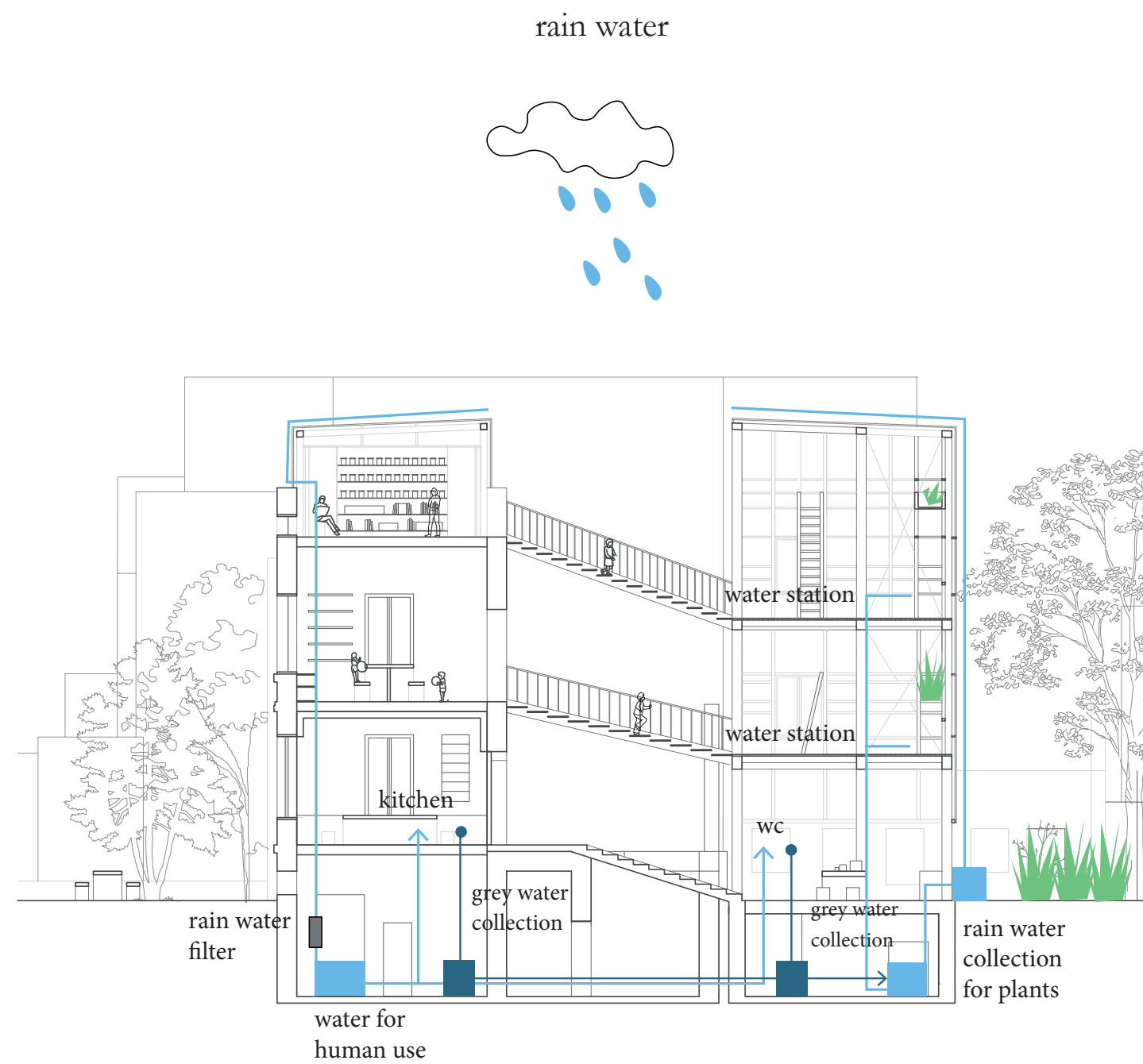
570

340

720

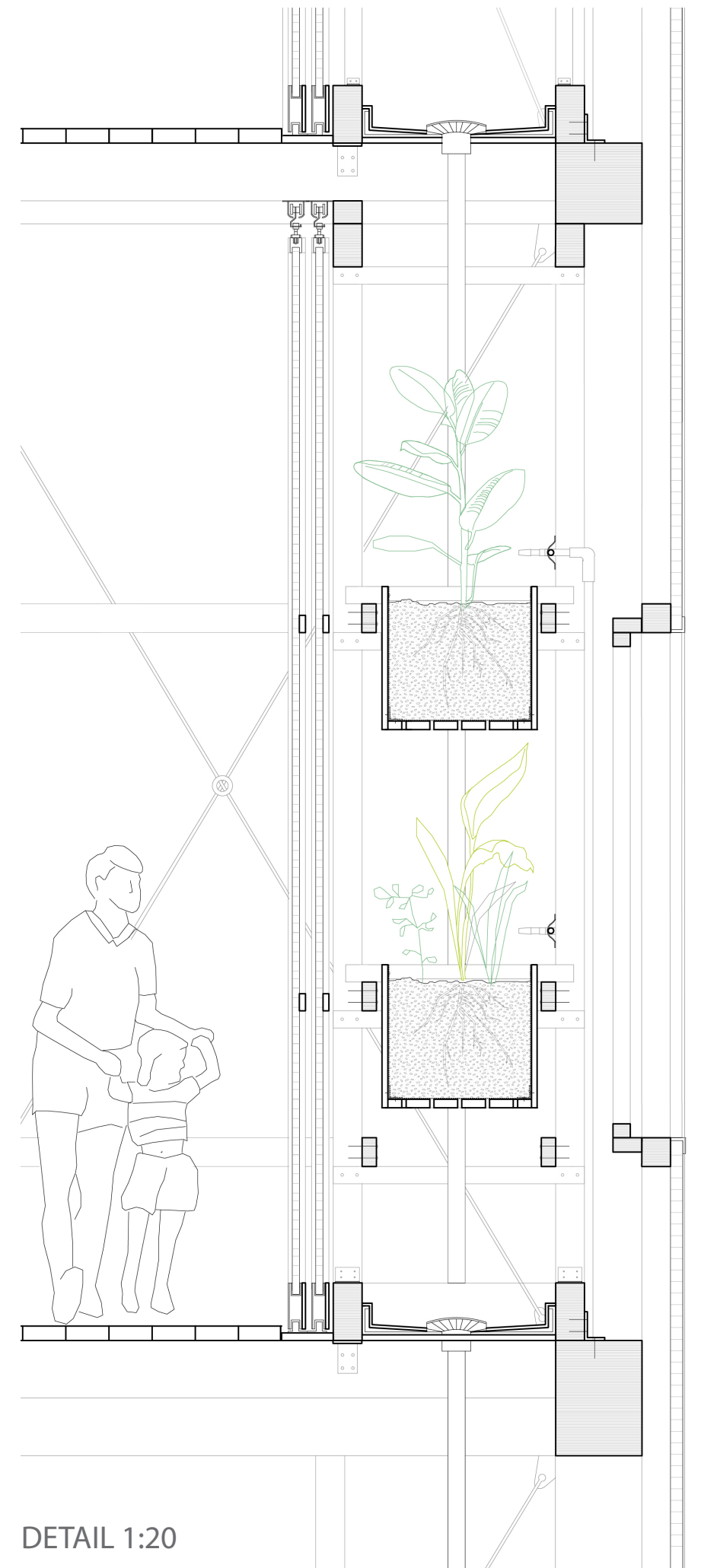
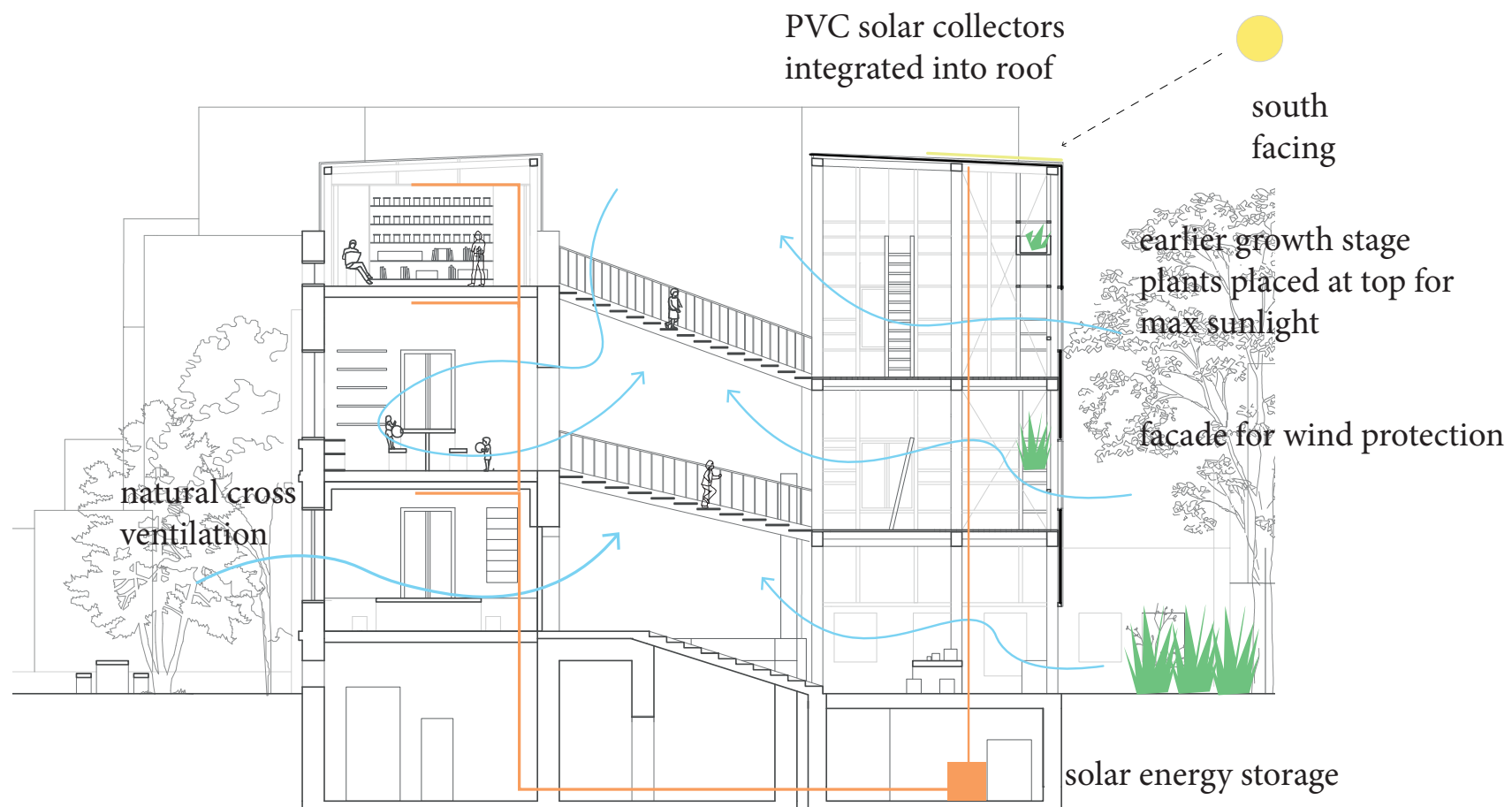
500

process cycles



process cycles

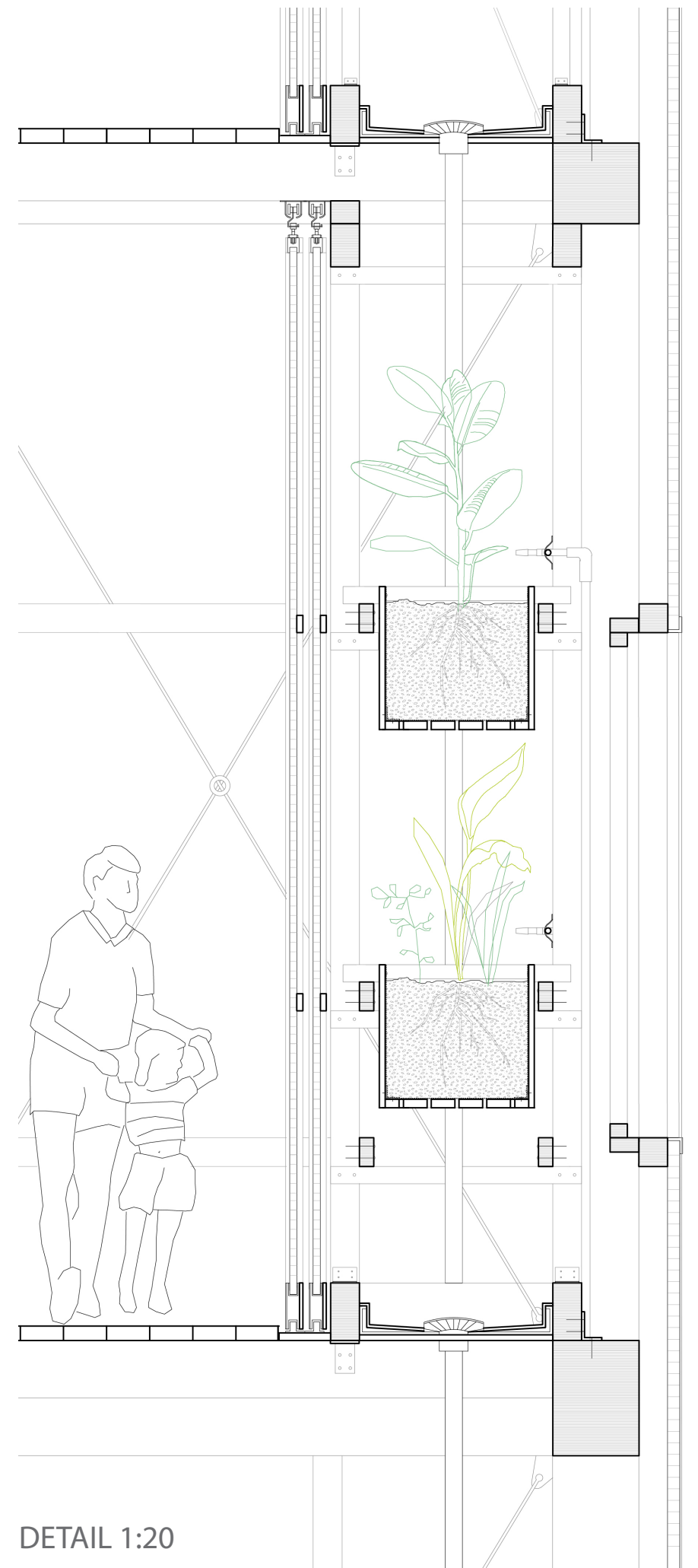
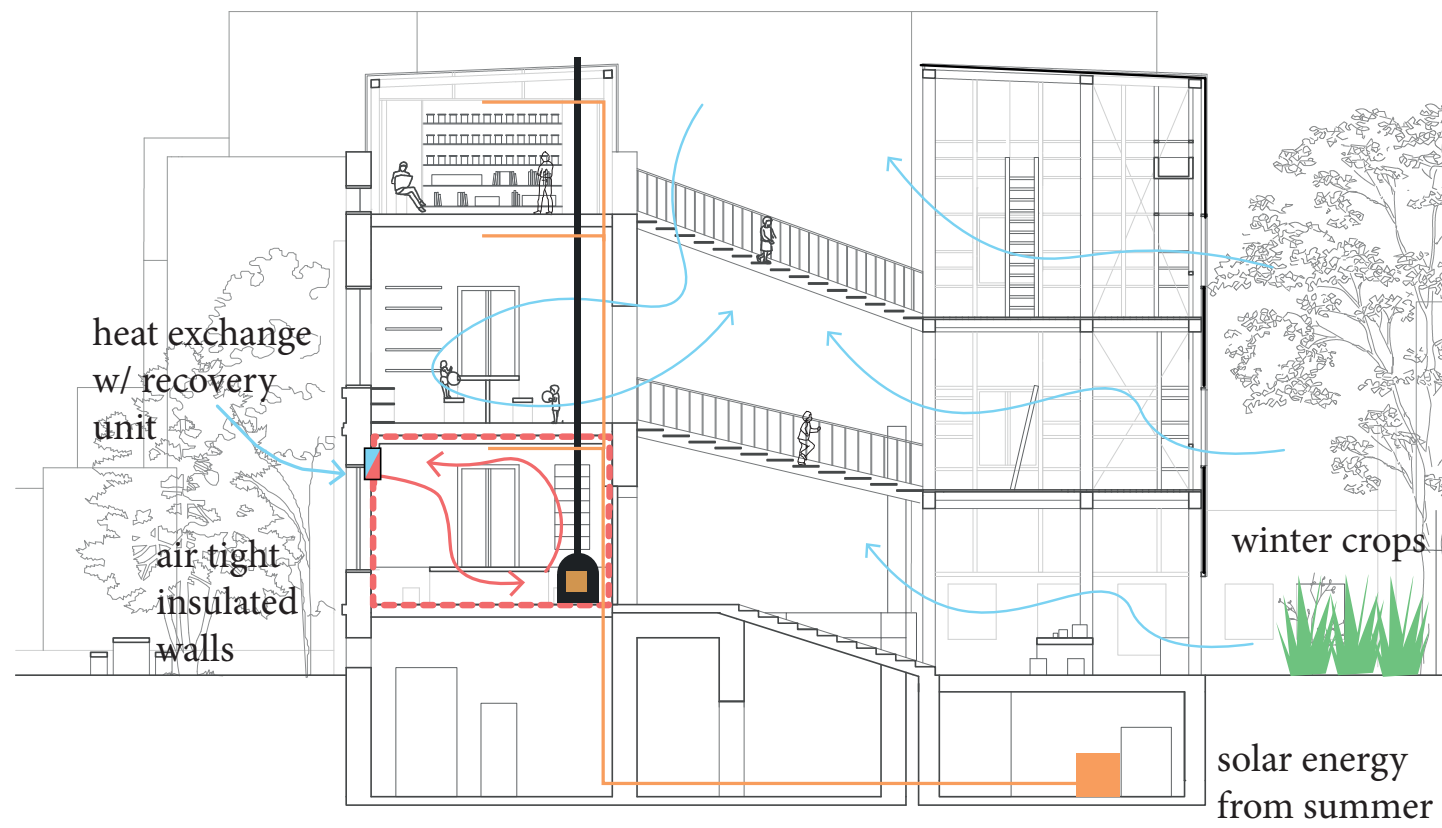
summer



process cycles

winter

winter





thank you