

**A home and landscape for
a sense of purpose in late
life**

Jongeren hebben het moeilijk in coronatijd: 'Ik lig heel de dag in bed'

Door corona gaat het bergafwaarts met de gemoedstoestand van veel jongeren. Het wegvallen van structuur, geen school, dagbesteding of sport: dat zorgt voor problemen bij hen. Paniek, angst en depressiviteit zijn het gevolg.

Nicole Roelands 28-02-21, 06:00 Laatste update: 28-02-21, 08:35

REPORTAGE EENZAAMHEID

'Ik ging vaak maar weer even op bed liggen'

Het aantal eenzame ouderen verdubbelde tijdens corona. Activiteiten werden afgelast en familie mocht niet langskomen.

STAY AT HOME

6 Bay Area counties order nearly 7 million people to shelter in place



MENSEN

Alle dagen lijken op elkaar voor deze tieners in lockdown

Is schoolsluiting de schade aan kinderen waard?

Coronabeleid De schadelijke lockdowneffecten voor kinderen en tieners blijven in de dagelijkse coronagrafieken onzichtbaar. Worden ze genoeg meegewogen? Bij de crisisdiensten in de jeugdpsychiatrie is het druk, kinderen zijn bang en negatiever en anorexia neemt toe. „Het hele steunsysteem, van sportclubjes en een lieve juf, is weggefallen.”



rijksuniversiteit
 groningen

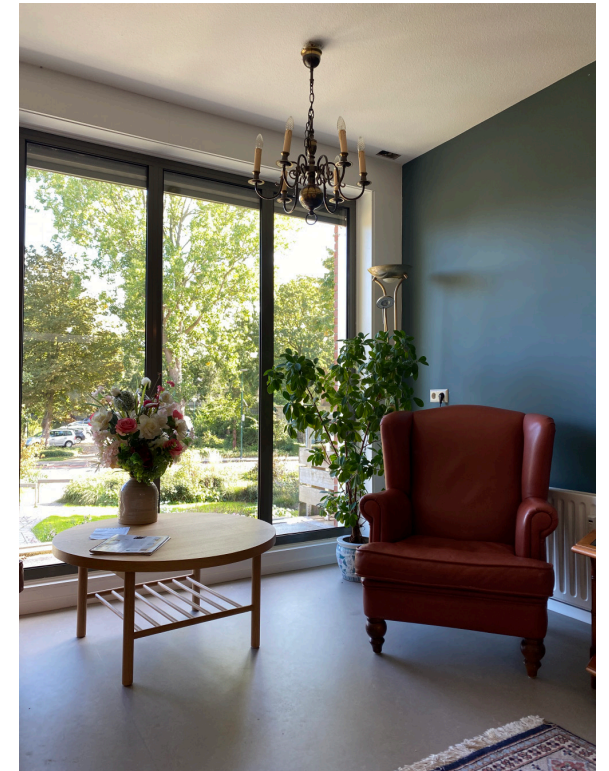
Mentale gezondheid daalt tot dieptepunt sinds begin coronacrisis

03 februari 2021

de Volkskrant

A stay at a care home

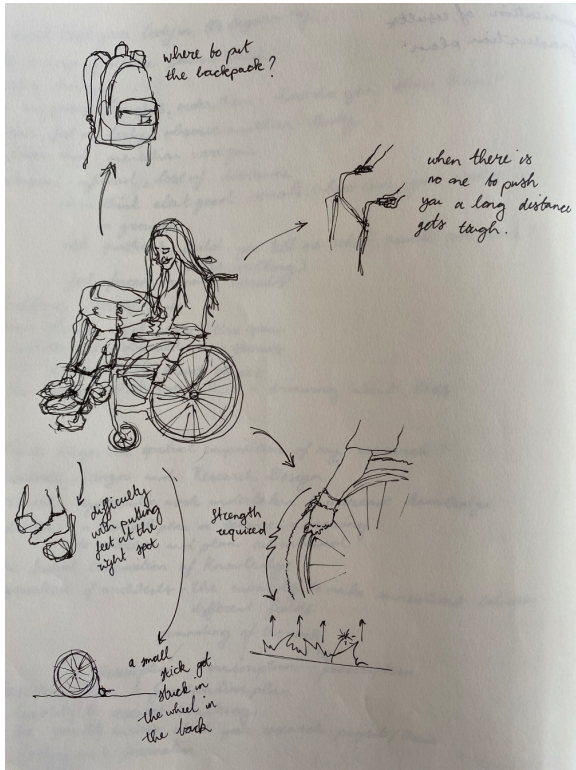
fieldwork



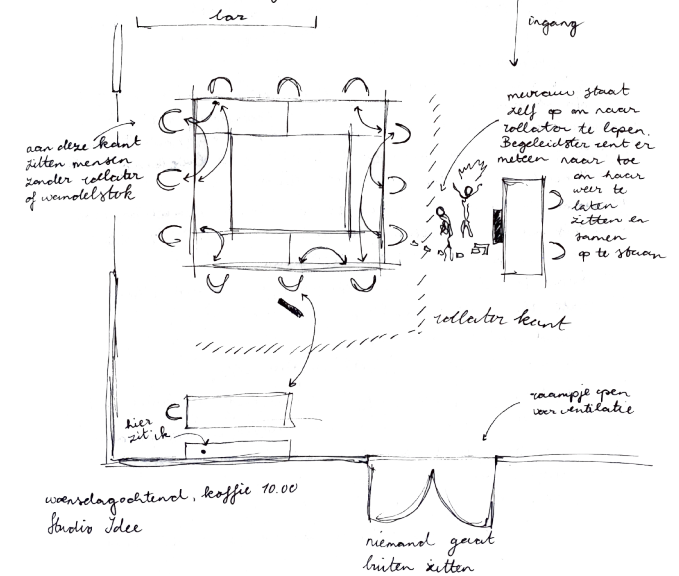
To experience an unfamiliar living environment

A stay at a care home

fieldwork

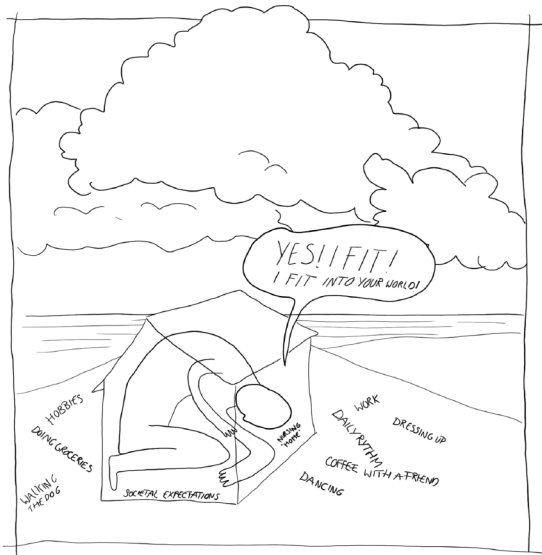


Studio Idee
 bestuur van 3, daarnaast vrijwilligers, mensen van buitenaf
 nodeshours, terras dag, spellen, happy ouwer avond, koffie ochtend
 te koken avondeten voor 50 een keer per week wat mensen erg
 lekker en gezellig vinden. Er kwamen iets van 10-15 mensen
 naar de koffieochtend. Begeleider was er ook.

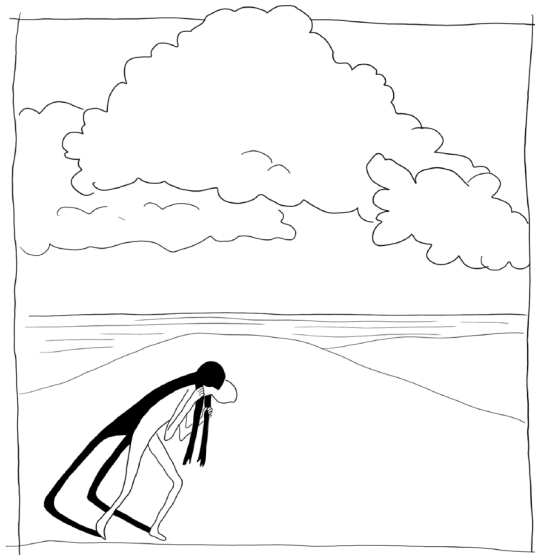


Sketches of observations made during the stay

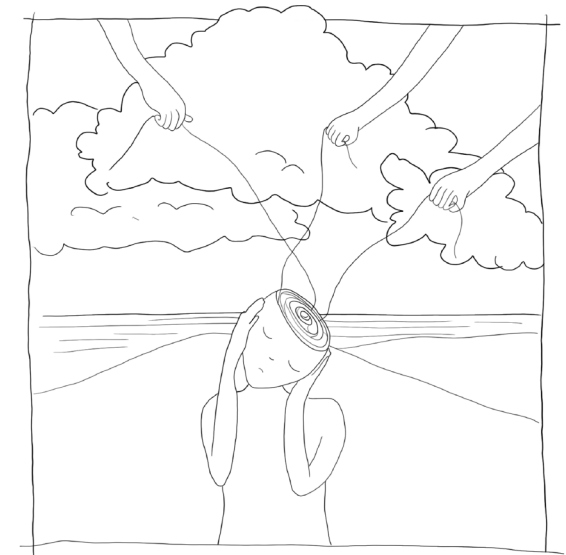
Fieldwork Conclusions



SETTLING FOR LESS



WAITING TO DIE



DISSAPPEARING PURPOSE IN LIFE

Oma



Ikigai

生き甲斐

The combination of 生き meaning 'life',
with 甲斐 meaning 'to be worthwhile'



Small moments and places of joy

Fieldwork observations



het tafelpunt om te wonen in de woonkamer

manou doet mee met de geleugentruing en schrijft alles zelf op de voorzet. Het papier ligt op haar schoot en de rollator voert haar voren en terug. Soms dat ze terug zit heen ze alles nog maal heen en doet ze met. Ze draagt dezelfde kleuren kleding als de stoel waar ze op zit, rood/bruin. loopt uiteindelijk naar voren om de voorzet te vertellen en loopt weer terug.

actief in het spel

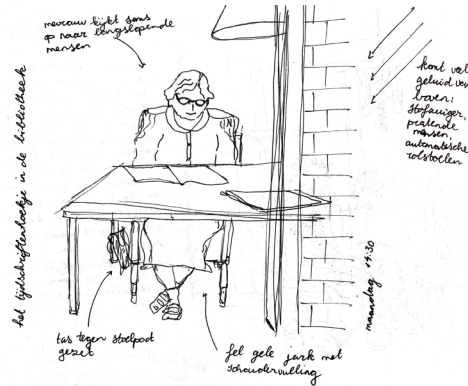
manou komt met veel voorzetten

geleugentruing spel



rollator aan tafel

gebruik en thee



het opschrijven van de activiteiten

manou kijkt naar op naar teruglopende mensen

hand val geluid van tv: Hofsinger, Pralende rozen, automatische rolstoelen

manouing 15:30

het tegen stoelvoet gezet

fel gele jack met schouderwelling



neemt soms linnende handing aan

witte muren

er zijn geen kinderen in de bibliotheek of mensen van buitenaf



deurloop links karretje's

manouing

luik

witte vloer

luiken

leestafel



and studeerdes spelletjes op het tafelpunt, voorleggen van de



littelballen

fitballen

rollator's moeten allemaal verschuiven worden om iemand anders te verplaatsen

rollator's op een zijde gezet

geen van buitenaf



rollator's moeten allemaal verschuiven worden om iemand anders te verplaatsen

om de fysio te spreken 15:30

rollator blijft voor en tussen de rollator's

"Ik betaal €700 voor dat halve wat ik heb. Ik kreeg geen koffie omdat ik teunster den, ik kan het ook nergens kopen"

Ze praten over dat ze er niet om te krijgen hoe duur het kan zijn. "Waarom is hier geen lift?"

Ze beginnen een gesprek met ons en vragen wat wij doen.

Ze wonen allemaal op de begane grond maar gaan naar de 4^{de} verdieping voor de woonkamer. Die misten ze.

Manou wilt meer liften en gelijksvloers wonen. Ze heeft het haar leven al in deze omgeving gewoond.

tips: manou carbo, aarjn, manou muller manou van getalende 13:00 dienstlag dienst van 11:00-12:00 ingrid de markt @ plom.nl 16:00

The goal



despite the circumstances, the koi fish will keep swimming against the current. The fish will not give up as its mission in life drives the fish to keep going

Research Question

*“What characterises a place that allows for a sense of purpose in life
at the intersection of architecture and landscape architecture
for people in late life?”*

Research Question

*“What characterises a place that allows for a **sense of purpose in life** at the intersection of architecture and landscape architecture for people in late life?”*

‘purpose in life’ entails the reason(s) why one wakes up and why one feels like their life has meaning

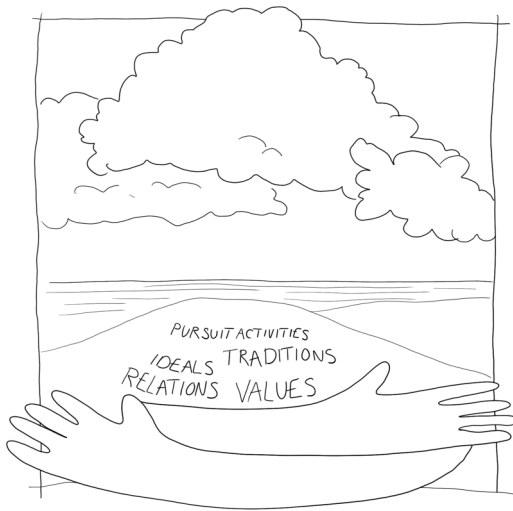
‘a sense of’ stresses the importance of feeling and being able to feel that one has a purpose in life

Strategies

for a sense of purpose in late life

01

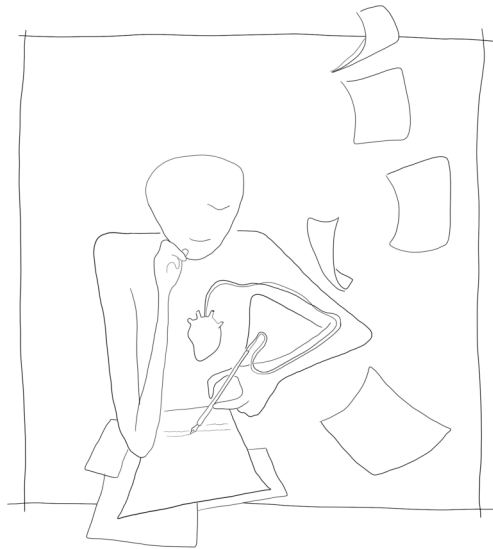
Commitment



One becomes truly alive only when one is committed to living in all its possibilities

02

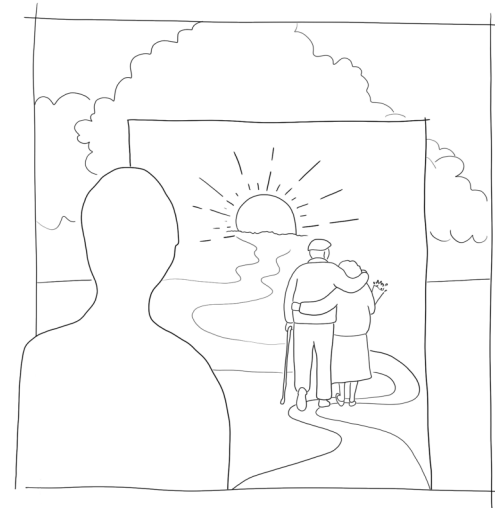
Reminiscence



The future lies in the past, a spring of inspiration and signposts

03

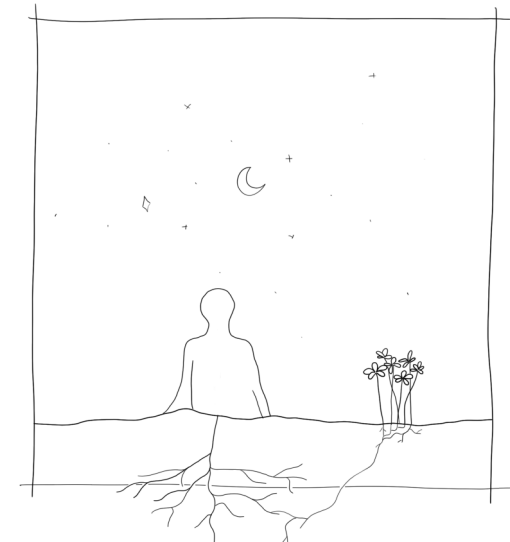
Personal Optimism



A future that holds dreams to be achieved, meanings to be realised & joy to be experienced

04

Spiritual well-being

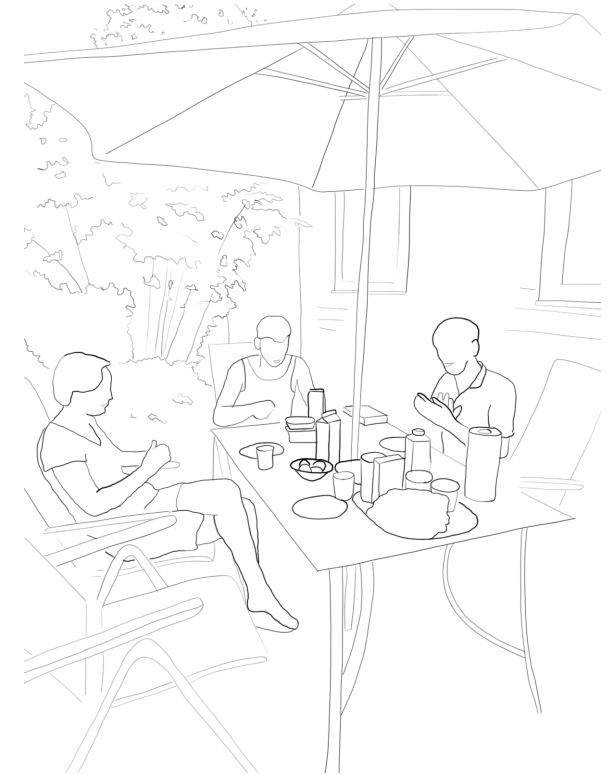
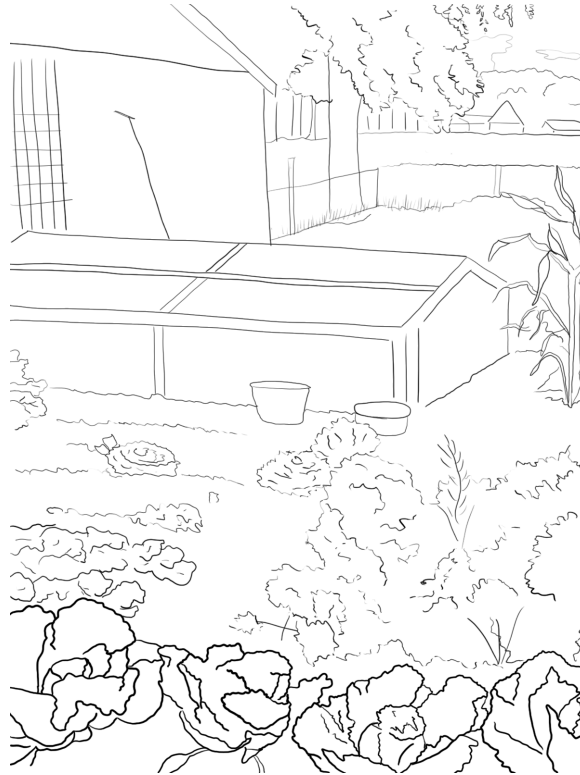
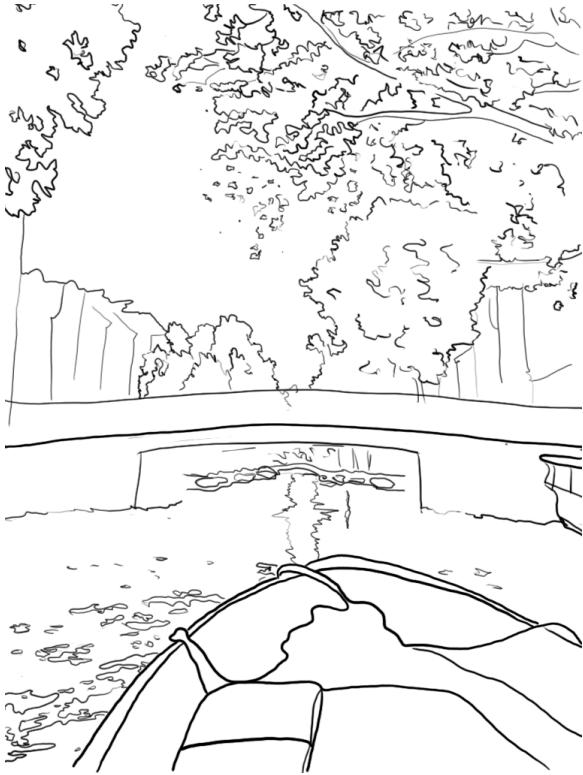


To nurture the idea that everything is connected and thus makes sense

Interviews

for a sense of purpose in all phases of life during lockdown

*‘Wat maakte jou blij en zorgde ervoor dat je uit bed kwam tijdens quarantaine?
Waar ervaarde je dit blije gevoel?’*



a tight relationship between a sense of purpose in life and being outdoors

Strategies

for a sense of purpose in late life

05

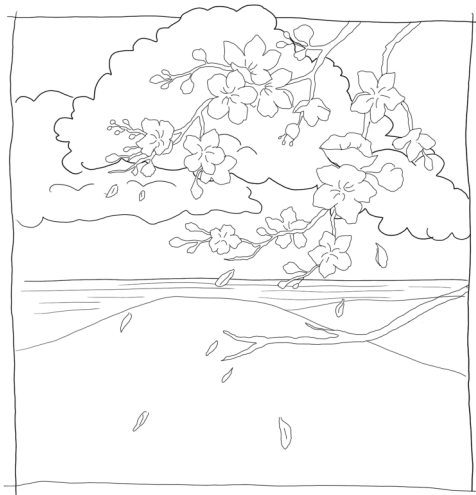
(Re) Connection with nature



Experiencing a nearness to nature and having a meaningful dialogue between the self, the garden and the surrounding nature

06

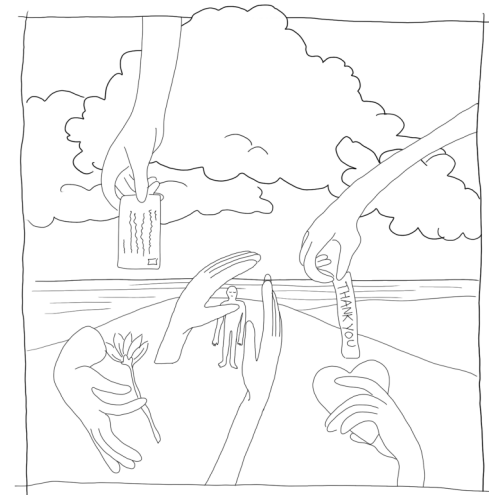
Addressing the temporality of life



To come to terms that life is fragile and not everlasting, and to see the beauty in the imperfect

07

Mutual recognition



Perceiving respect from others in one's surrounding, and respecting others in return



A sense of purpose in late life

Architectural guidelines

for a sense of purpose in late life

01

Commitment

guidelines



A good and visible connection between the home, collective and public spaces

02

Reminiscence

guidelines

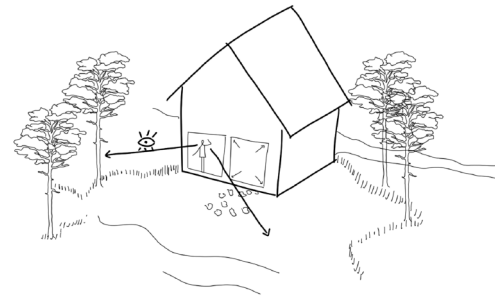


Create a place dedicated to displaying personal objects attached to memories from the past

03

Personal Optimism

guidelines

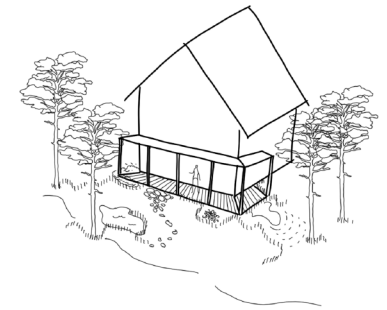


Create large windows in private spaces to allow wide views towards the garden

04

Spiritual well-being

guidelines



A close combination of classical elements and structural elements

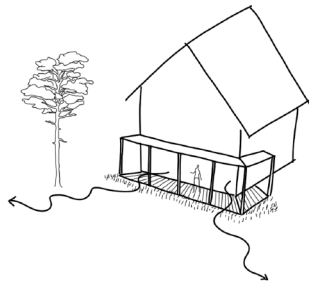
Architectural guidelines

for a sense of purpose in late life

05

(Re) Connection with nature

guidelines



The veranda as a safe and smooth transition and dialogue between the indoors and outdoors

06

Addressing the temporality of life

guidelines

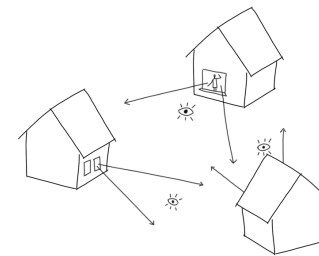


Use natural, honest and pure materials that show imperfection

07

Mutual recognition

guidelines

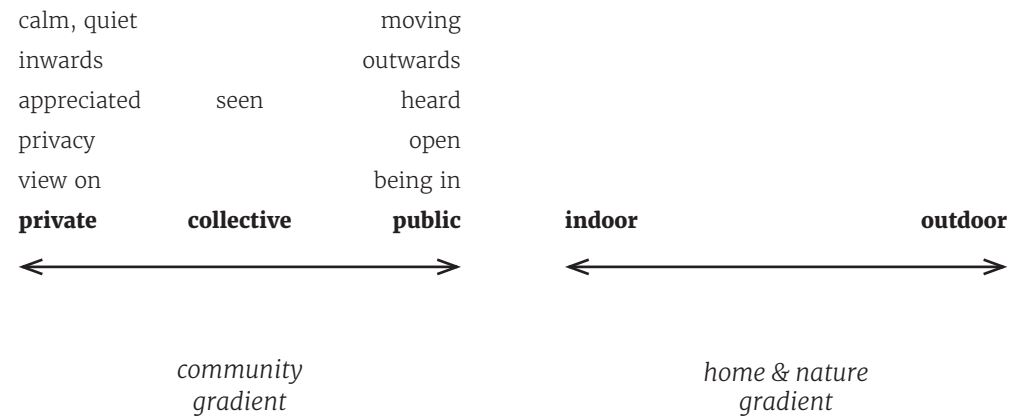


Create (to a certain extent) views from the home on the homes of the neighbours

The gradients

for a sense of purpose in late life

a sense of purpose = temporal -> transitions



The location

Driebergen-Rijsenburg



November 2020



October 2020



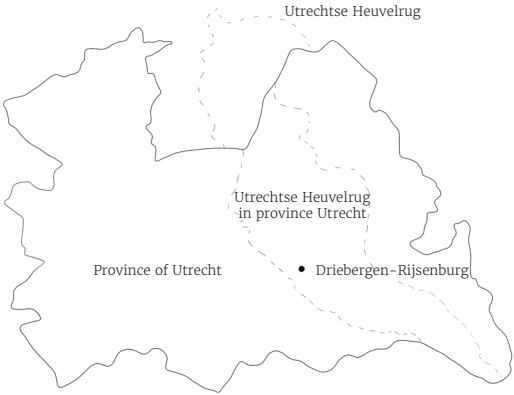
January 2020



February 2021

The location

Driebergen-Rijsenburg



The location

for a sense of purpose in late life



Core values of the site

Driebergen-Rijsenburg



1.

A landscape of rhythms
varying between
the high and low,
open and enclosed



2.

An escape from the fast paced
world



3.

Unique location between
village and forest

The final gradient

for a sense of purpose in late life



the calm and
quite
forest

the busy
village



*the forest & village
gradient*

The gradients

for a sense of purpose in late life

feelings of trust & safety

community gradient

private

collective

public

home & nature gradient

indoor

outdoor

the forest & village gradient

forest

home

village

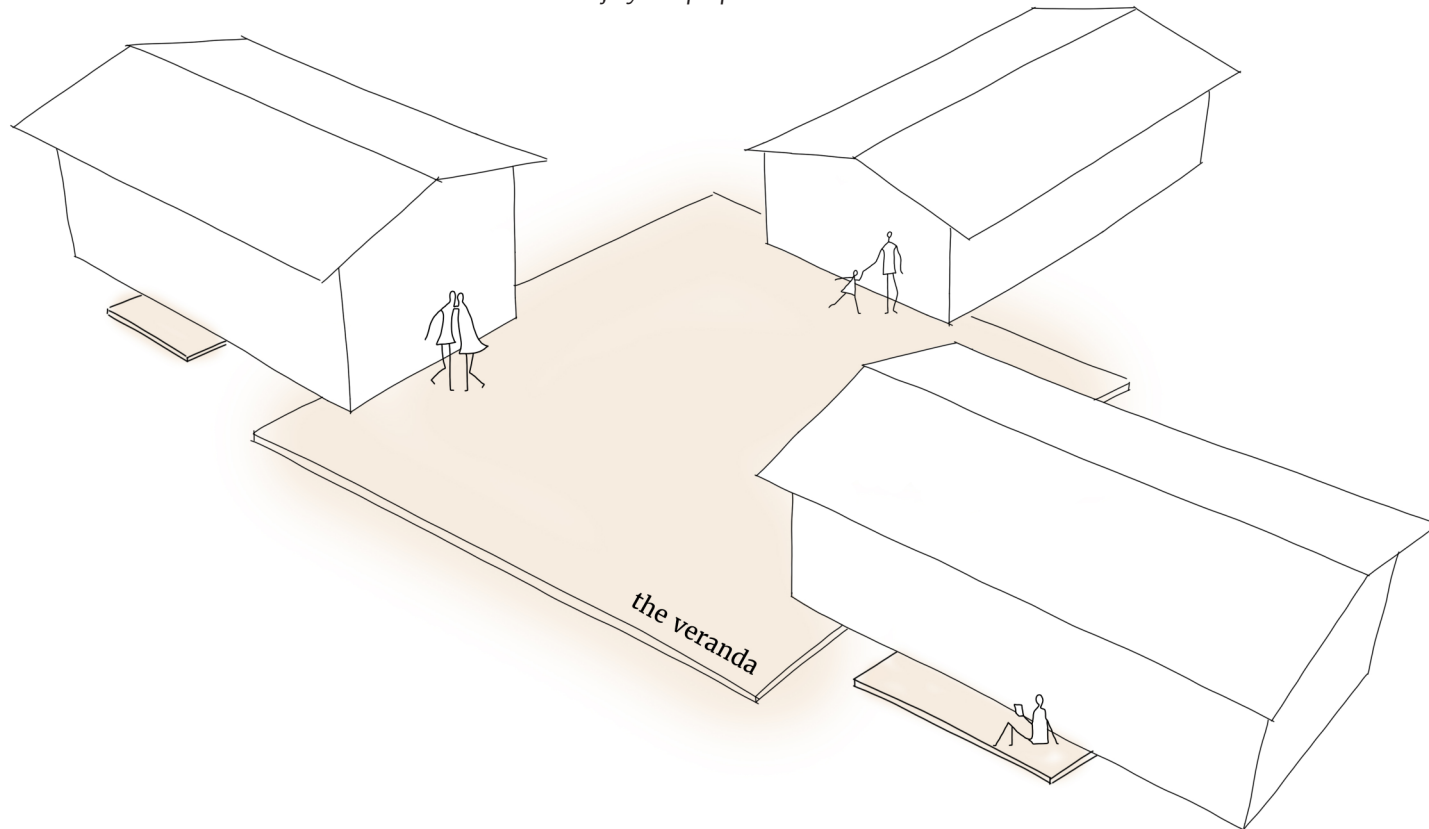


The design concept

for a sense of purpose in late life

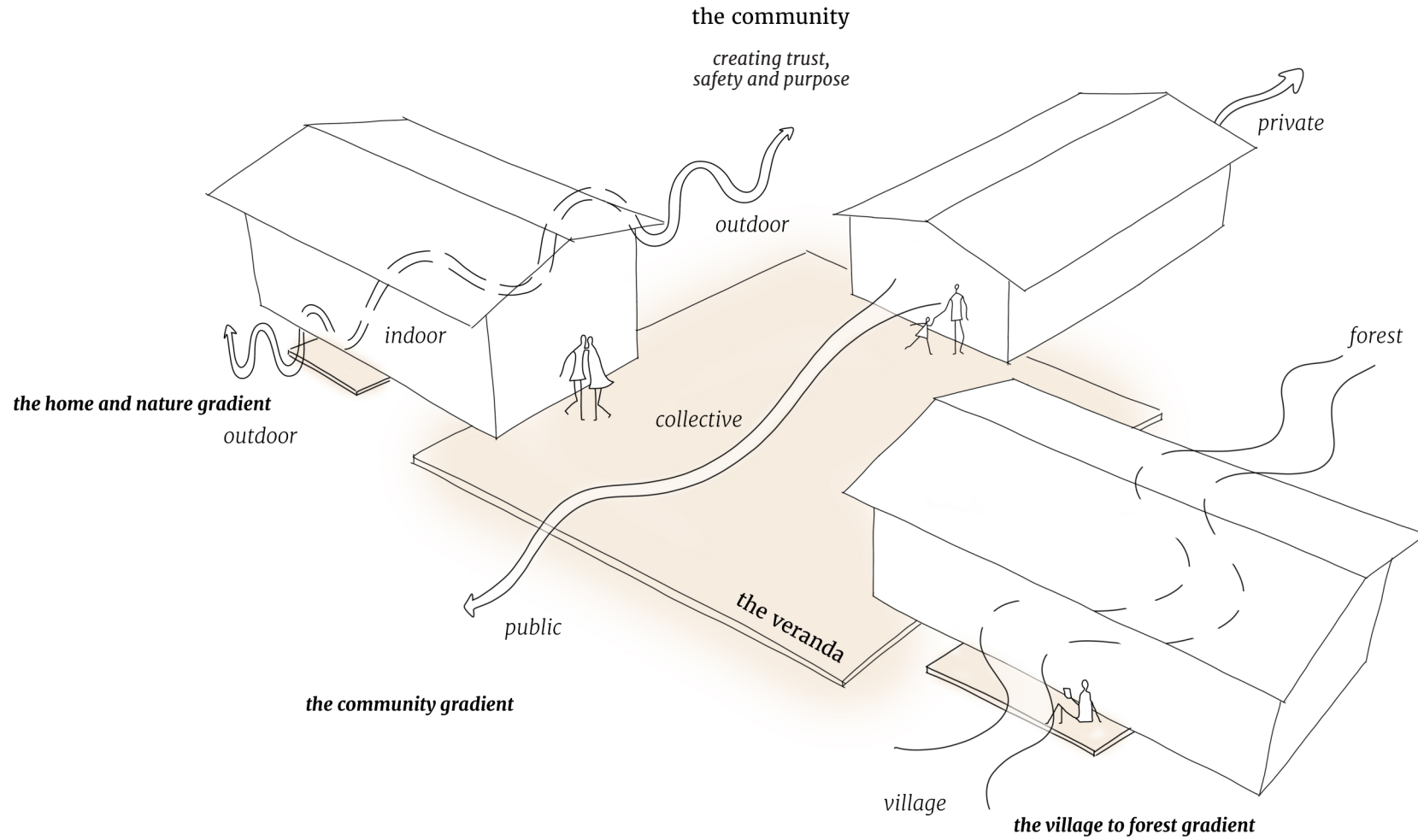
the community

*creating trust,
safety and purpose*



The design concept

for a sense of purpose in late life



The master plan

The village scale vision

for Driebergen-Rijsenburg



The lanes as the corridors of a nursing home

The master plan 1:1000



Care at home

needing care does not change the home



Ways of living

typologies



Characters of the public space

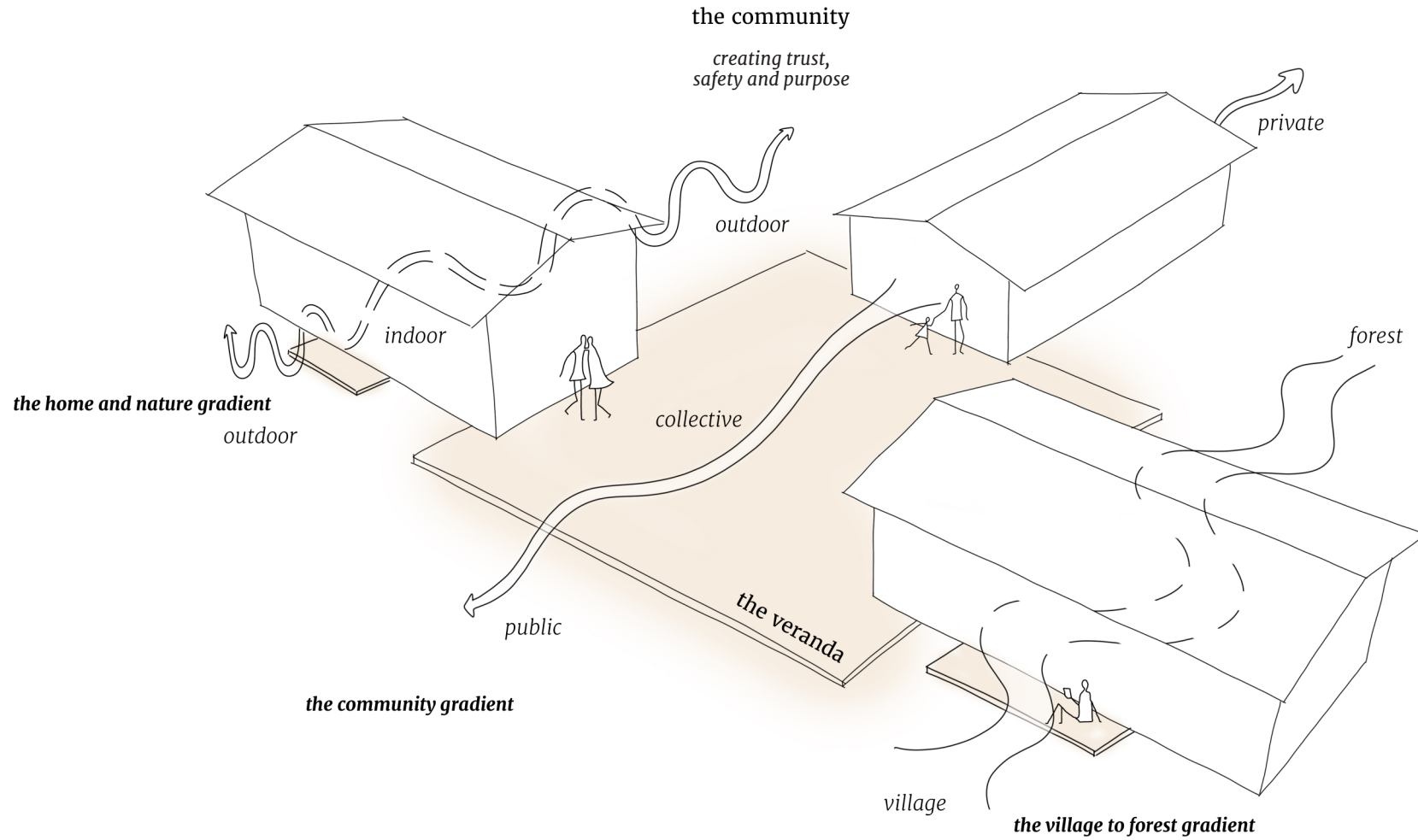
one shared garden



The design

The design concept

for a sense of purpose in late life



The location of design

The master plan 1:1000



The process of forming the communities

Configuraton according to the given site

The initial plan pavilion homes



Moving the homes around



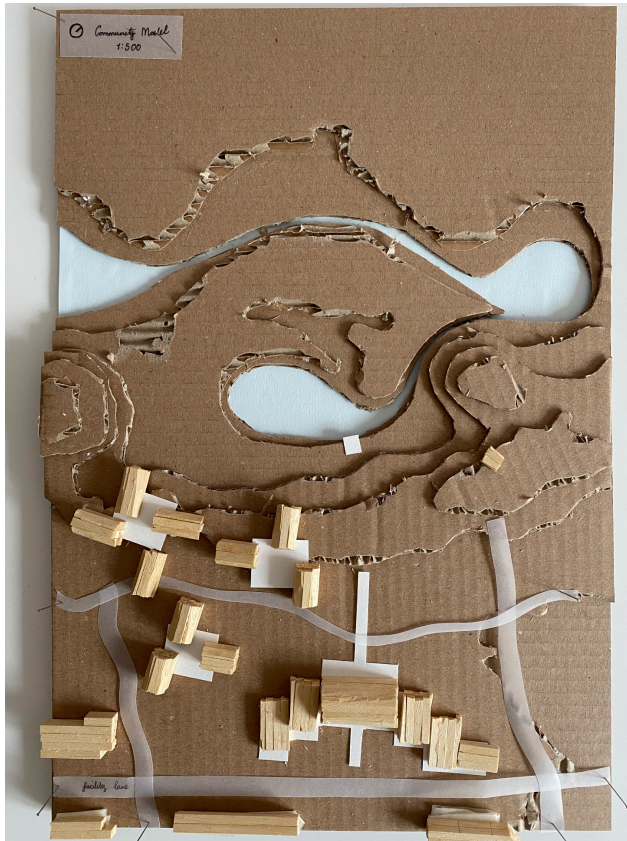
Seeking collective connections



The process of forming the communities

Configurarian according to the given site

The collective veranda



Connecting collective veranda's visually

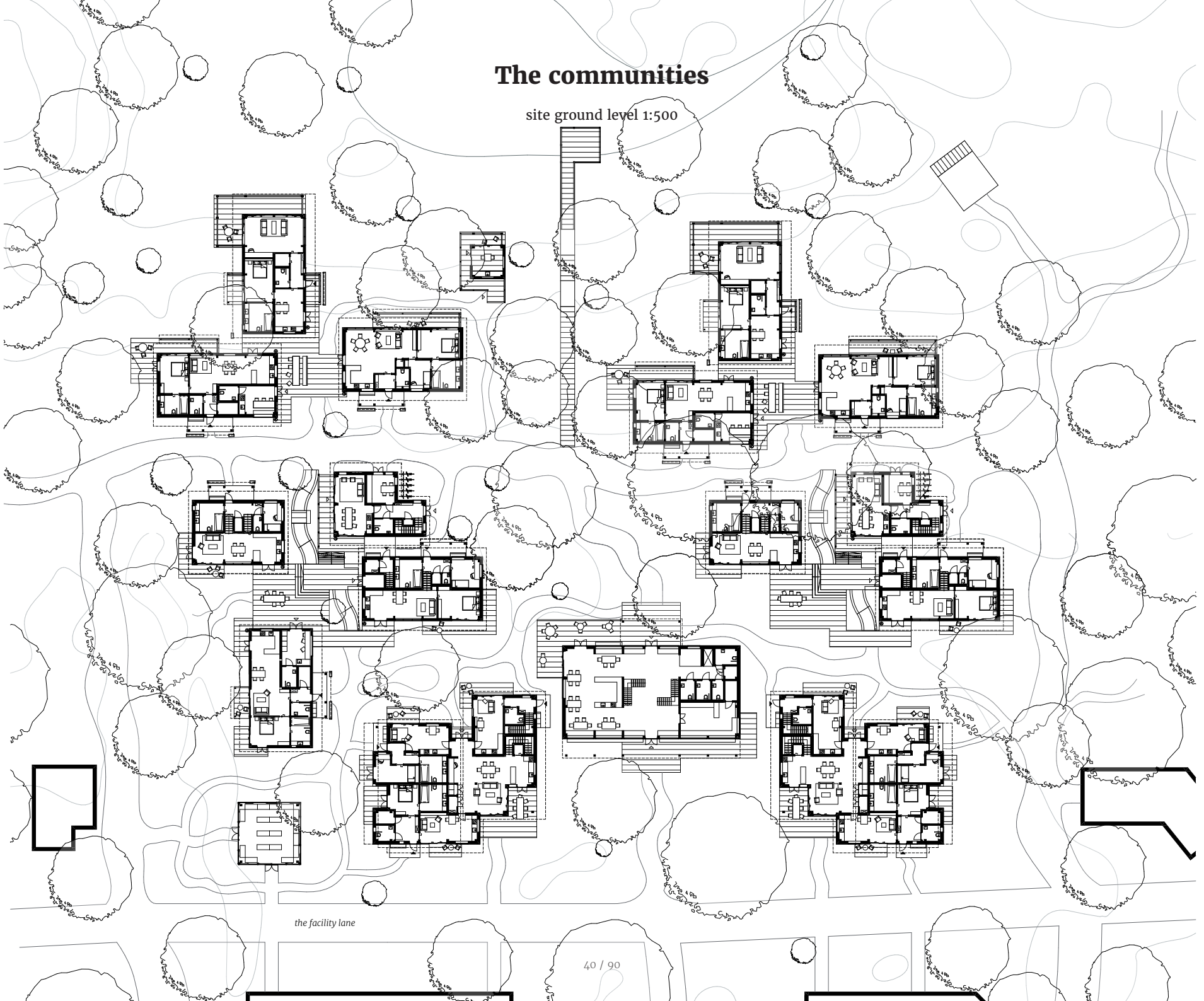


The pavilion homes scattered around the entire site



The communities

site ground level 1:500



the facility lane

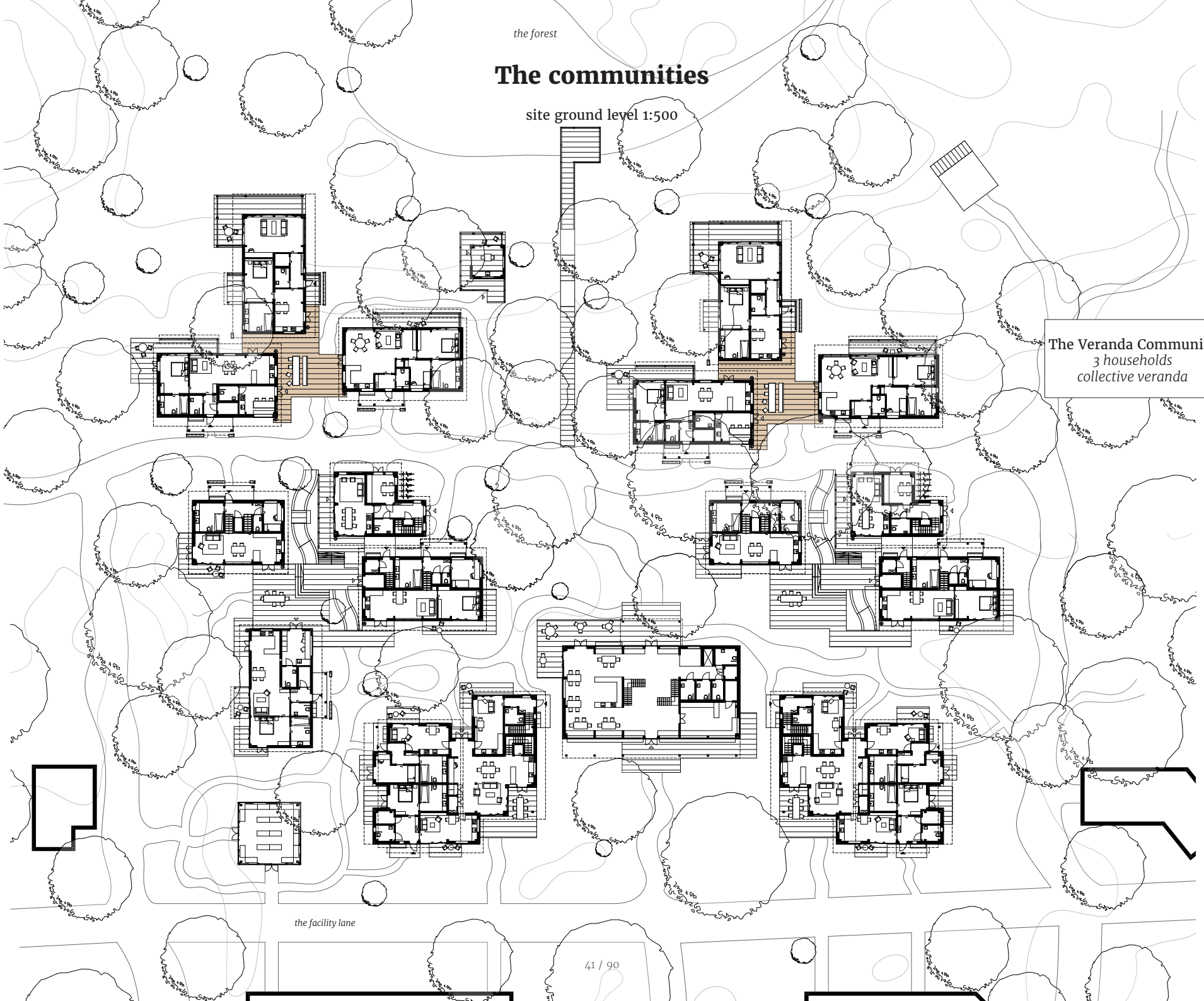
the forest

The communities

site ground level 1:500

The Veranda Community
3 households
collective veranda

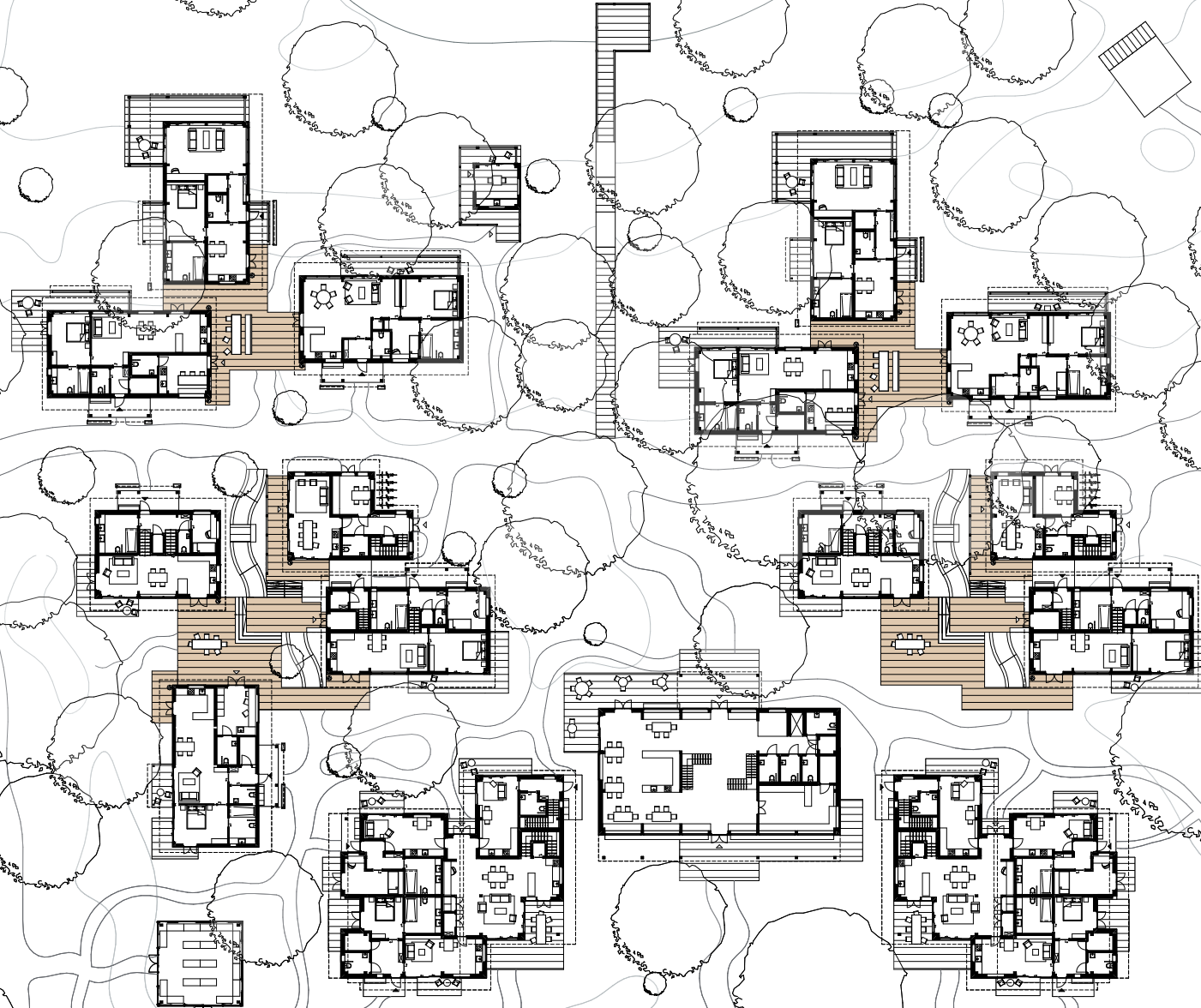
the facility lane



the forest

The communities

site ground level 1:500



The Veranda Community
3 households
collective veranda

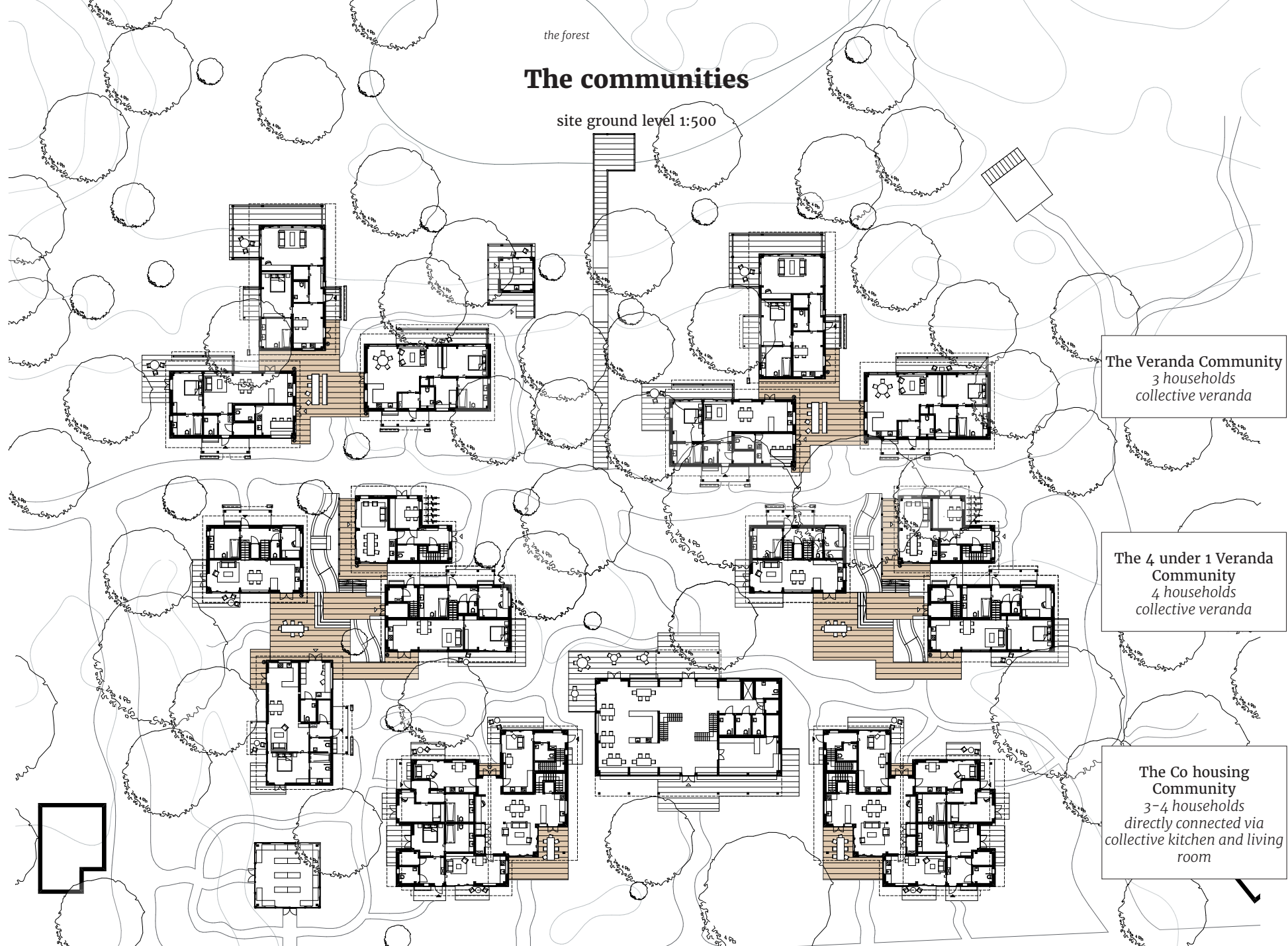
The 4 under 1 Veranda
Community
4 households
collective veranda

the facility lane

the forest

The communities

site ground level 1:500



The Veranda Community
3 households
collective veranda

The 4 under 1 Veranda Community
4 households
collective veranda

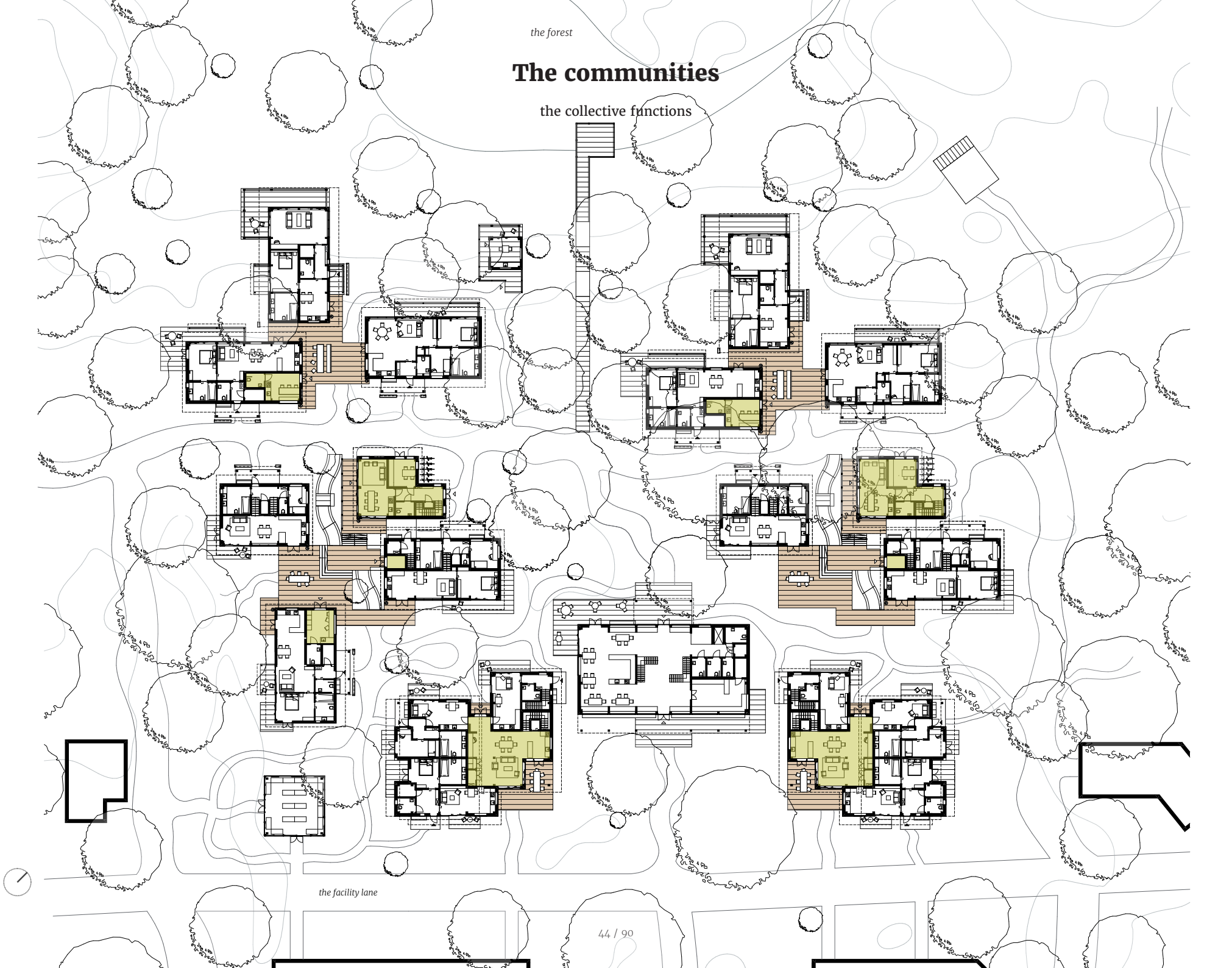
The Co housing Community
3-4 households
directly connected via
collective kitchen and living
room

the facility lane

the forest

The communities

the collective functions

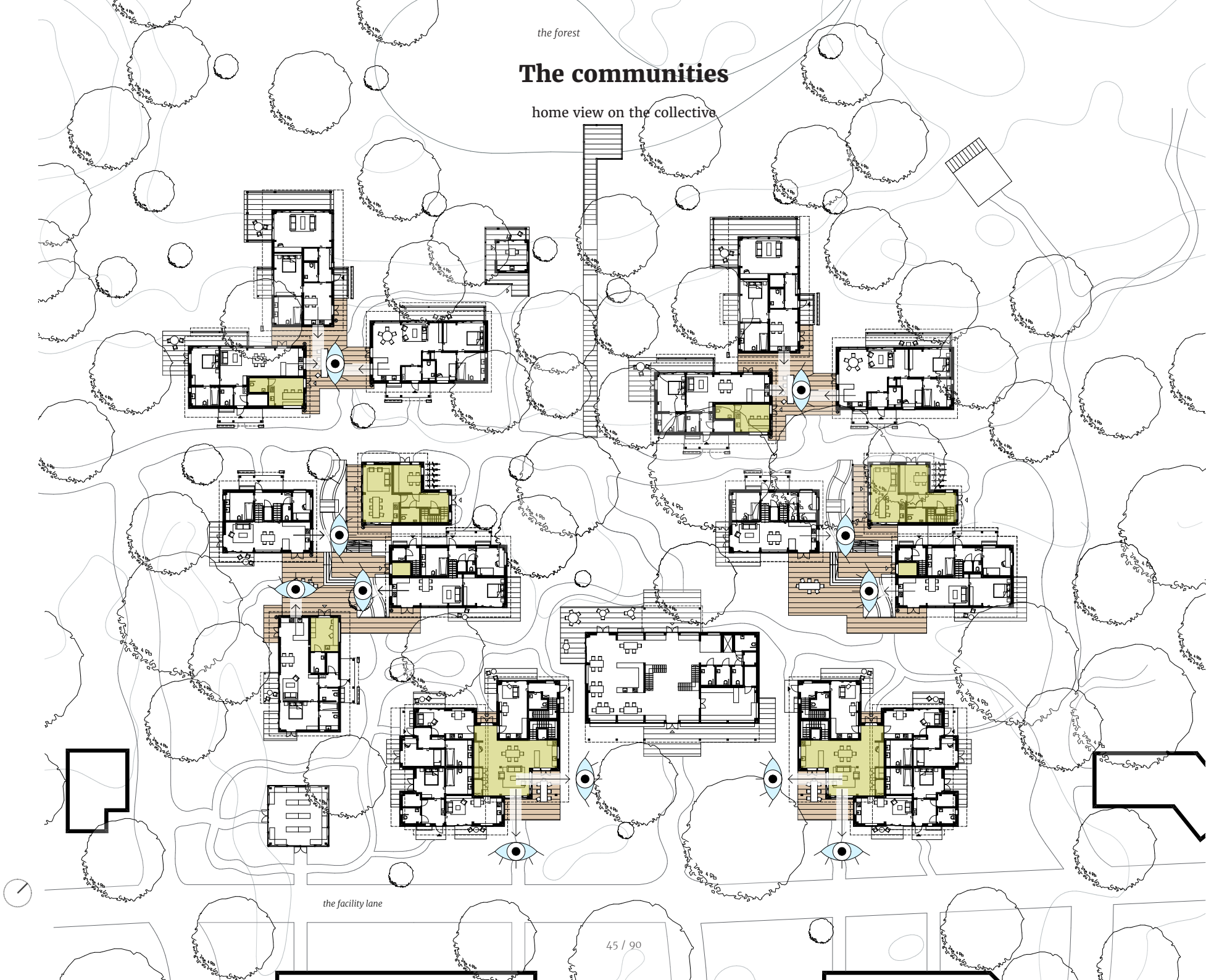


the facility lane

the forest

The communities

home view on the collective

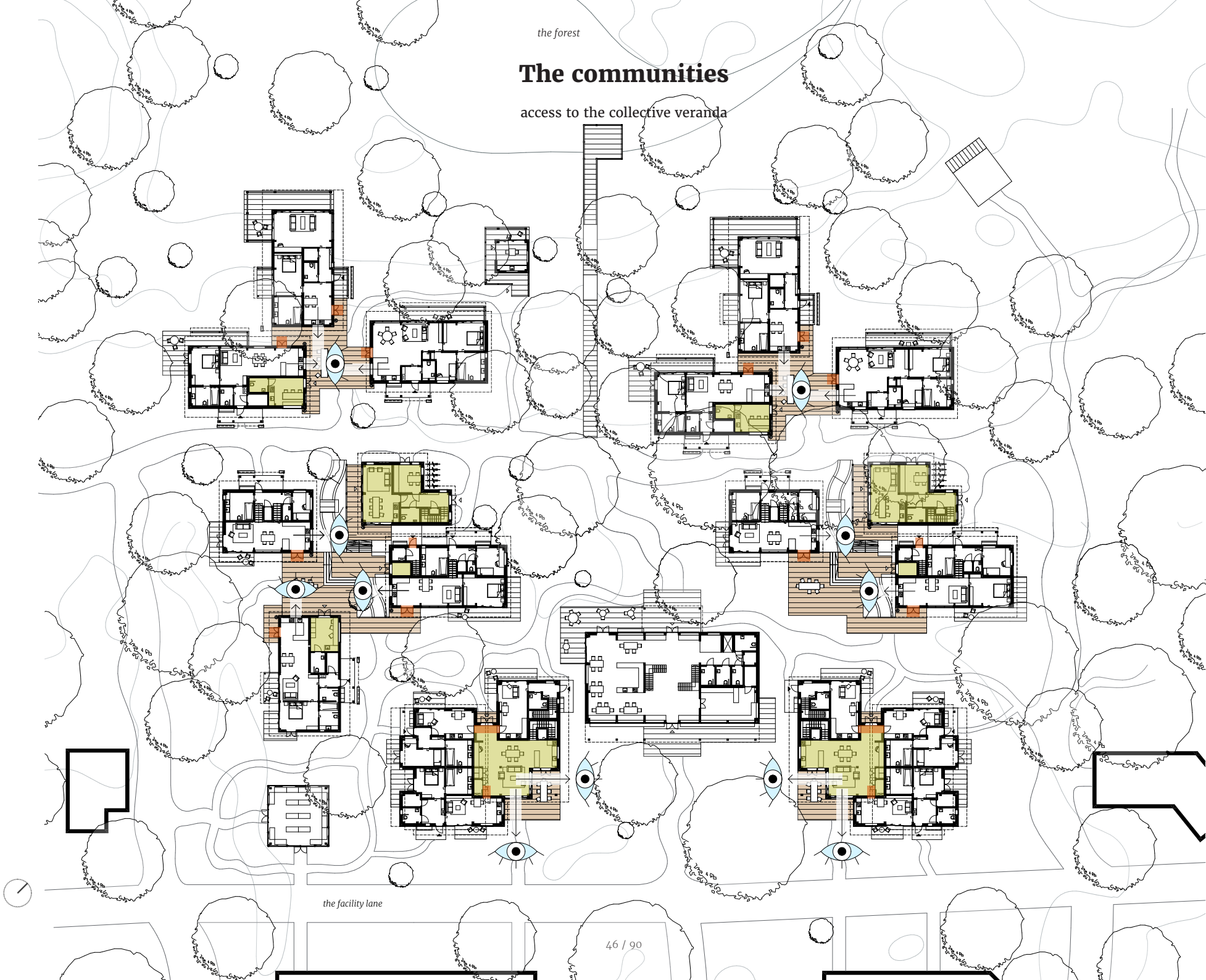


the facility lane

the forest

The communities

access to the collective veranda

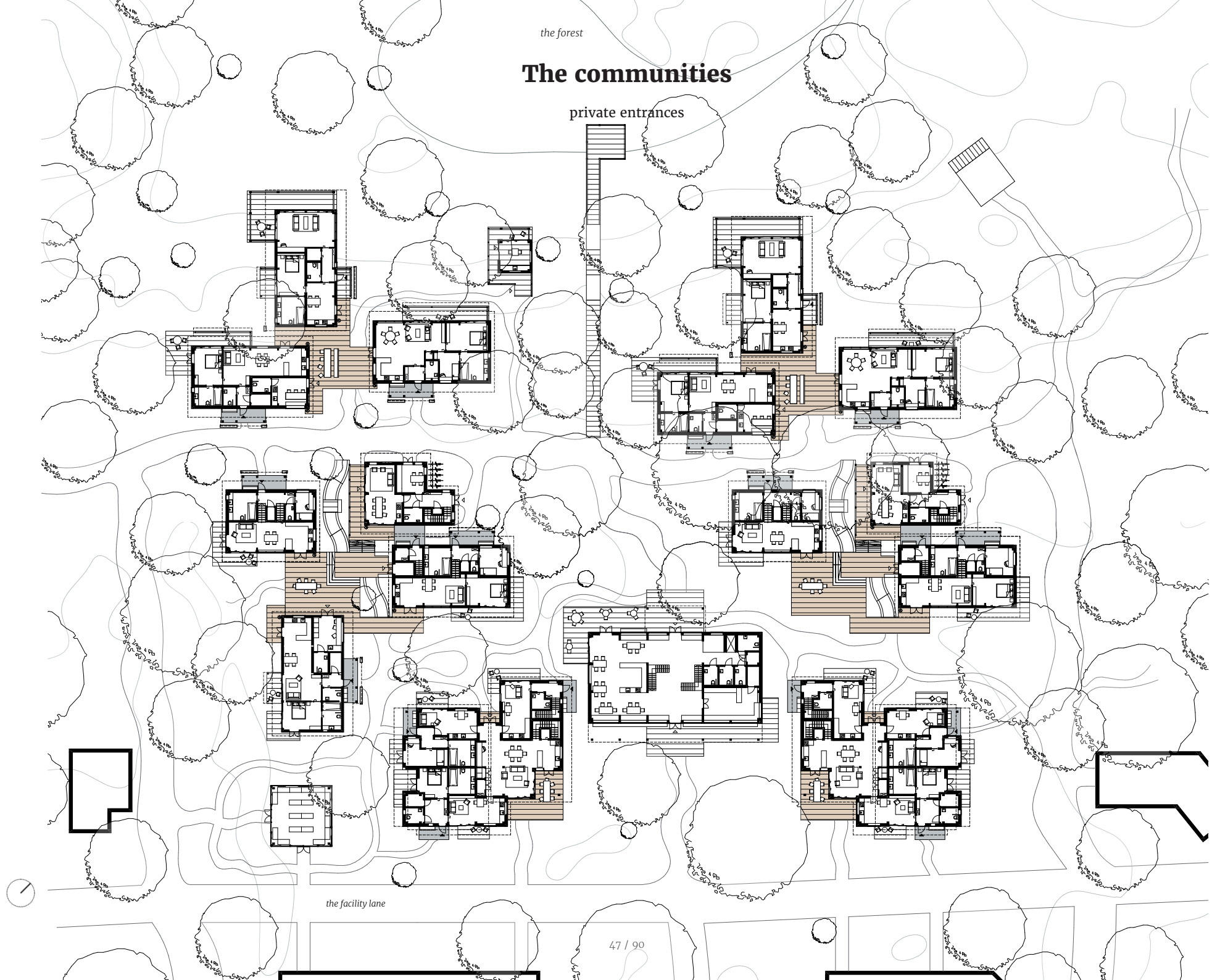


the facility lane

the forest

The communities

private entrances

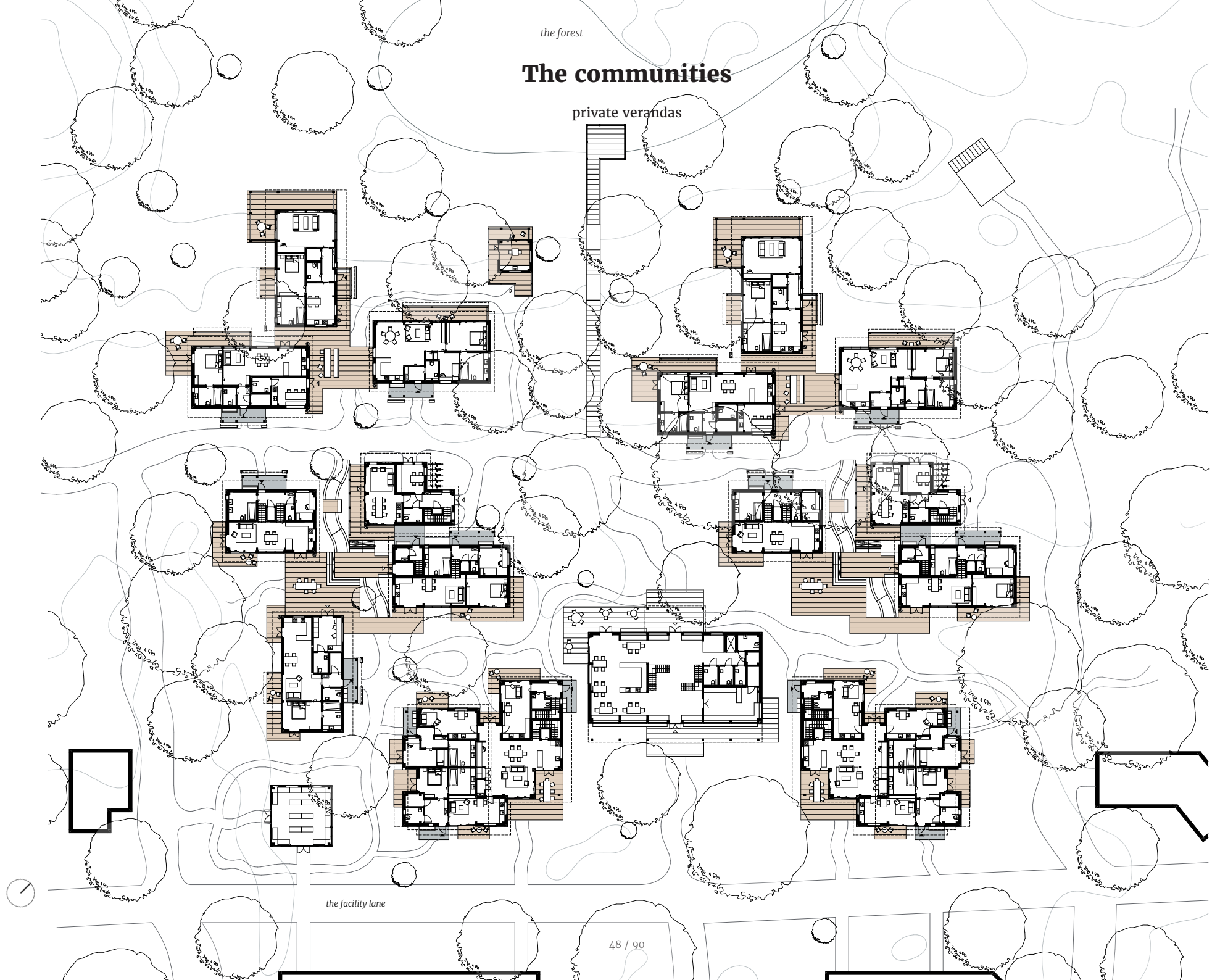


the facility lane

the forest

The communities

private verandas

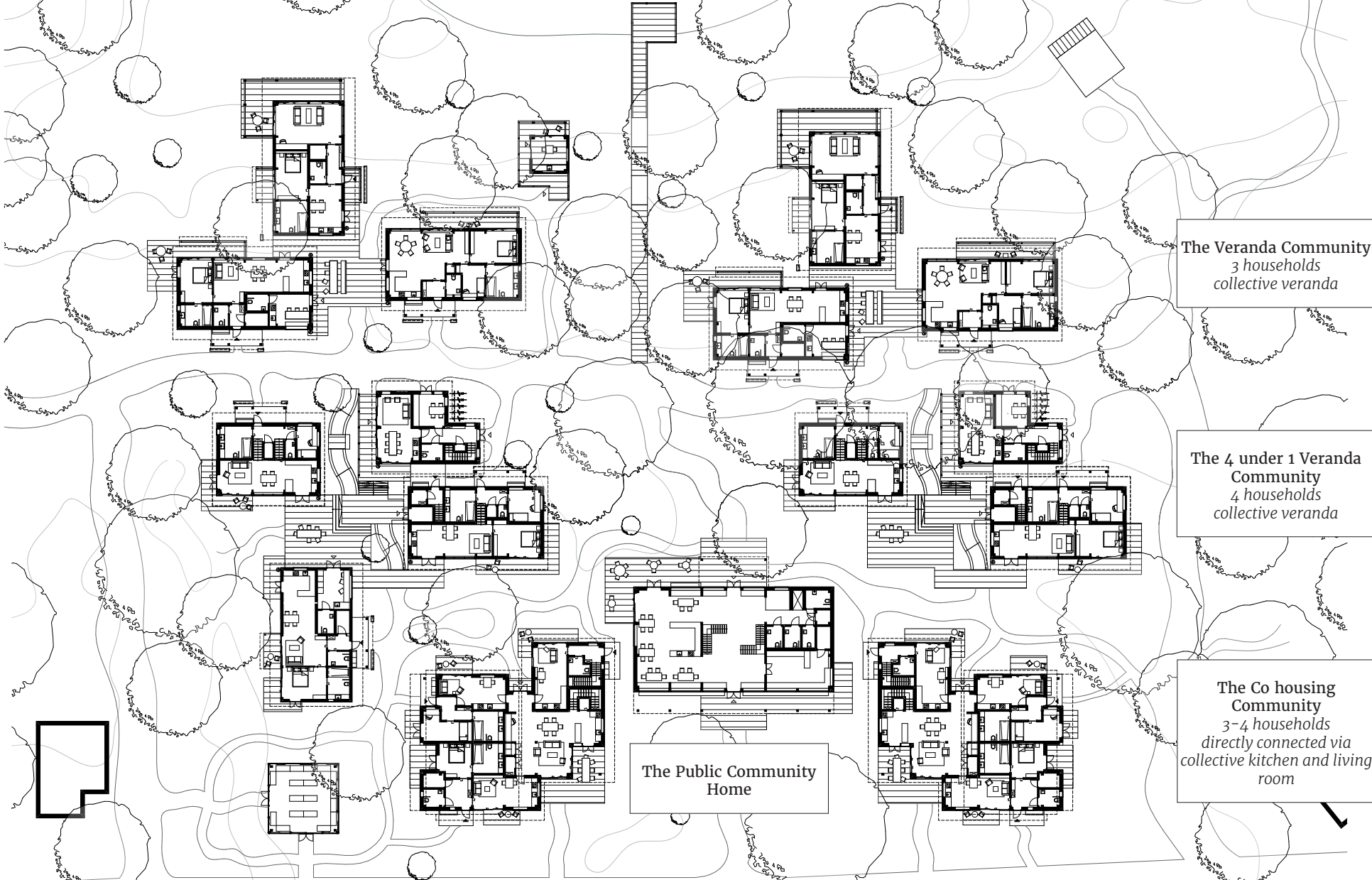


the facility lane

the forest

The communities

site ground level 1:500



The Veranda Community
3 households
collective veranda

The 4 under 1 Veranda Community
4 households
collective veranda

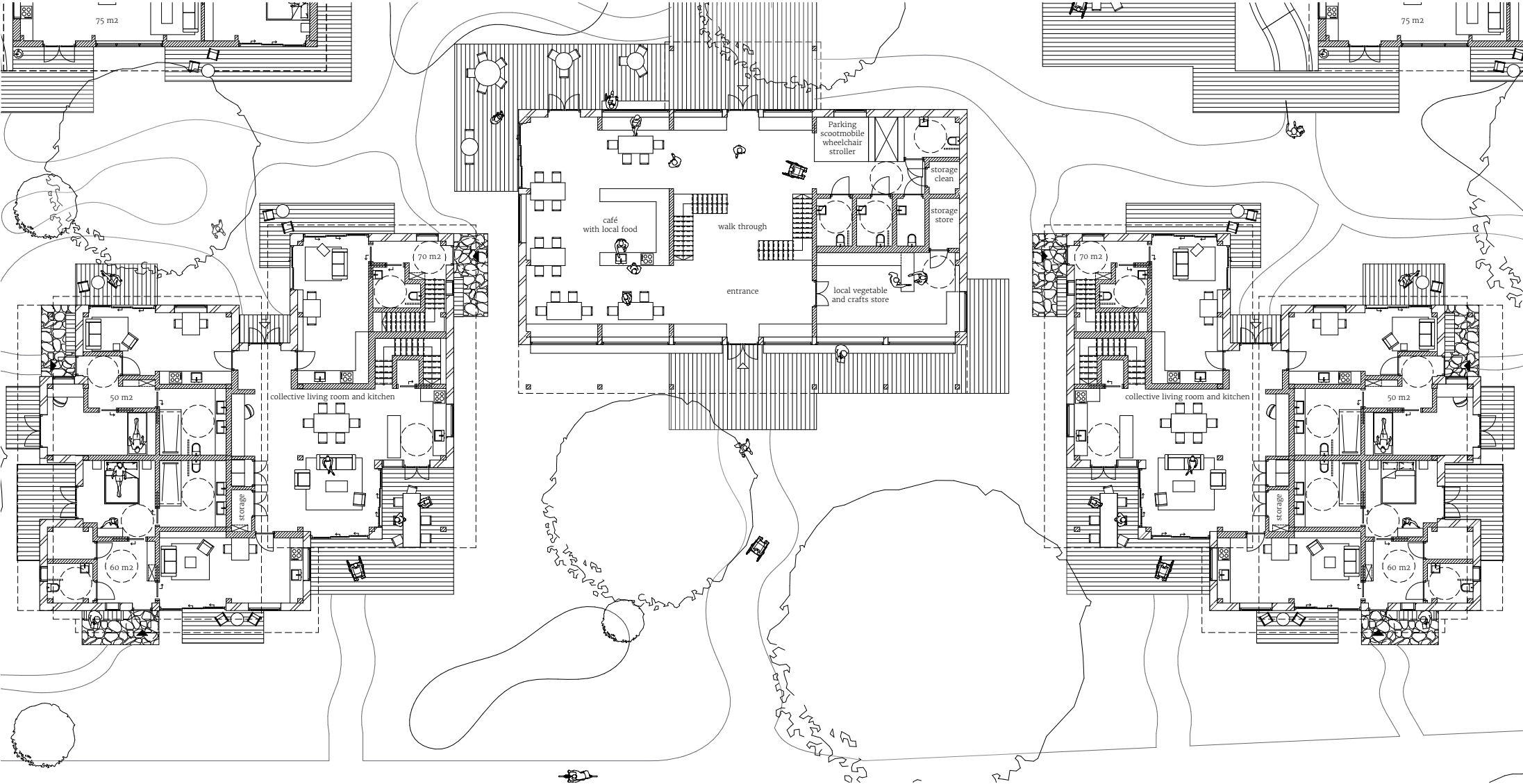
The Public Community Home

The Co housing Community
3-4 households
directly connected via
collective kitchen and living room

the facility lane

The public community home

ground floor 1:200



Co-housing embracing the Public Community Home

section 1:200



Greenhouse

The Co-housing community

The public community home

The Co-housing community

the forest

The Veranda Homes

as the home for a sense of purpose
in life

The Veranda Community
3 households
collective veranda

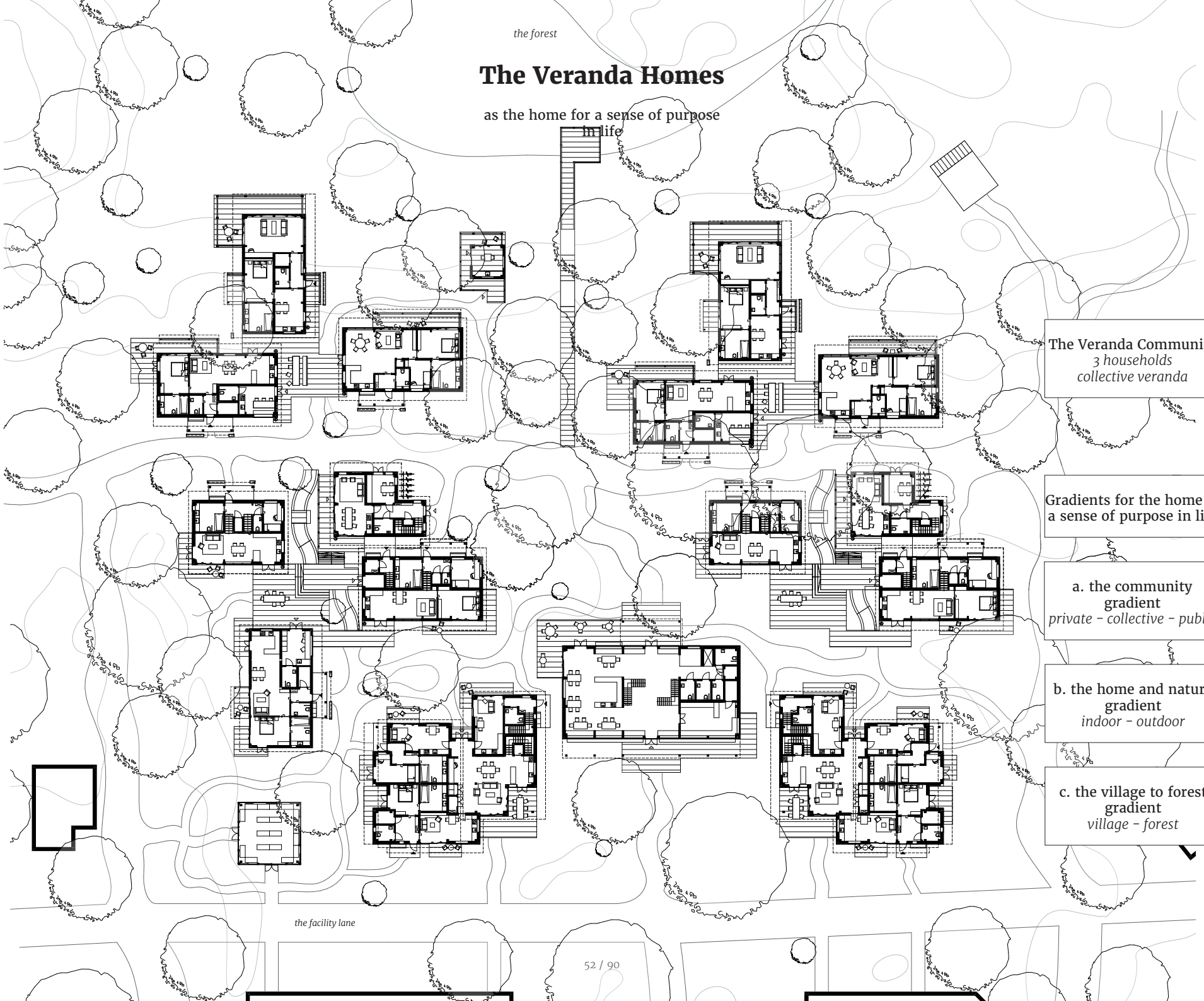
Gradients for the home of
a sense of purpose in life

a. the community
gradient
private - collective - public

b. the home and nature
gradient
indoor - outdoor

c. the village to forest
gradient
village - forest

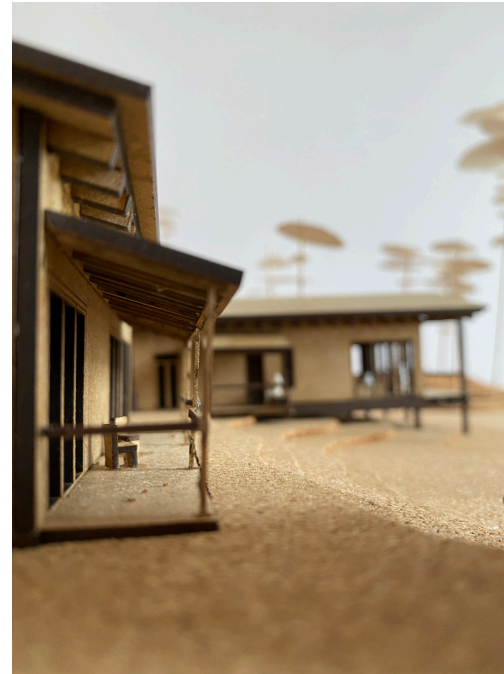
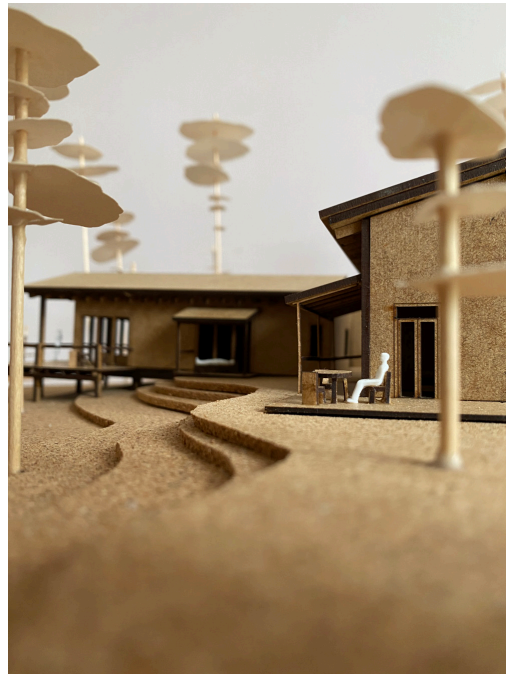
the facility lane



The gradients for the home of a sense of purpose in life

and the Veranda Homes

Gradients for the home of
a sense of purpose in life



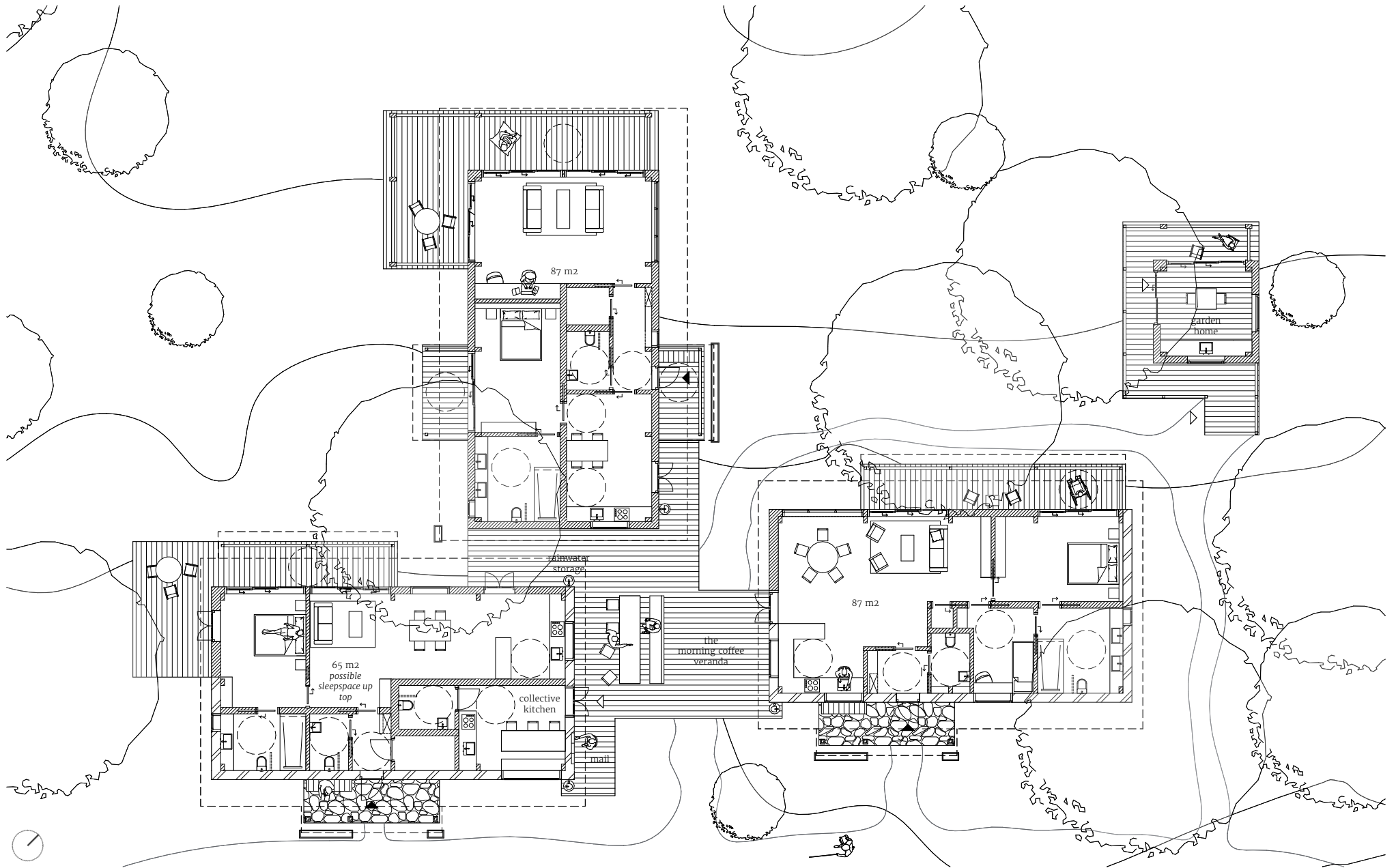
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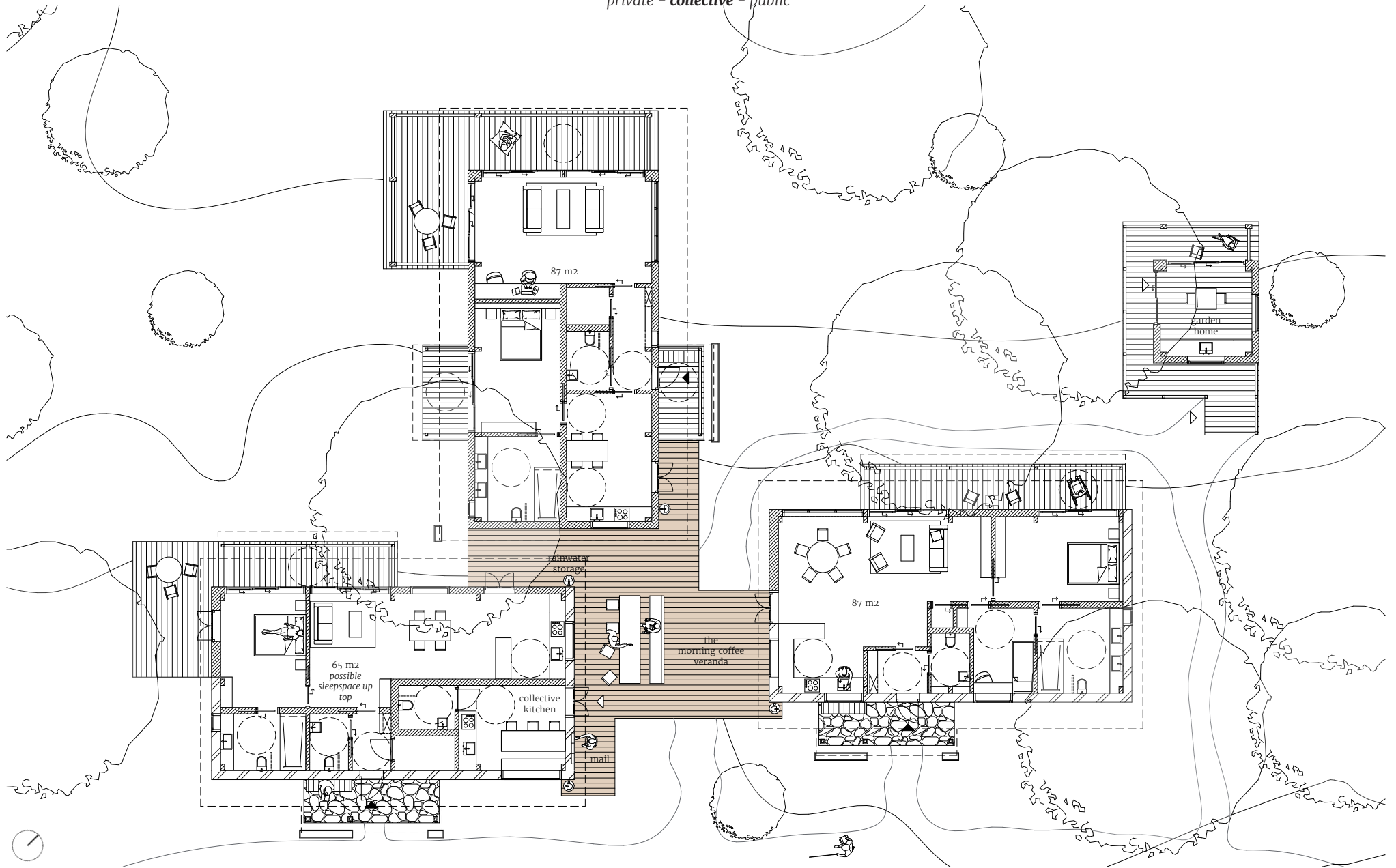
The Veranda Homes

ground floor 1:200



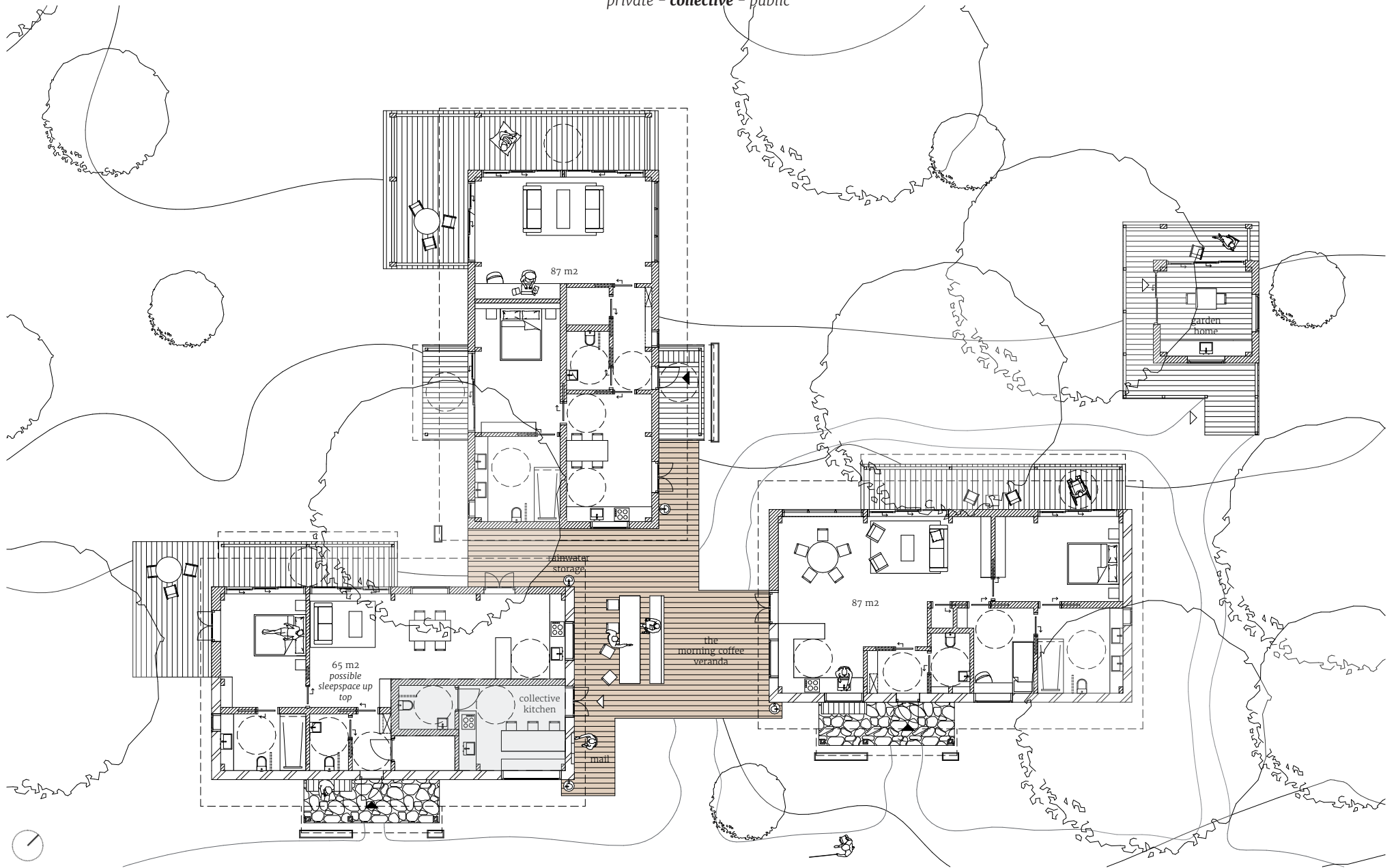
The Veranda Homes

the community gradient
private - collective - public



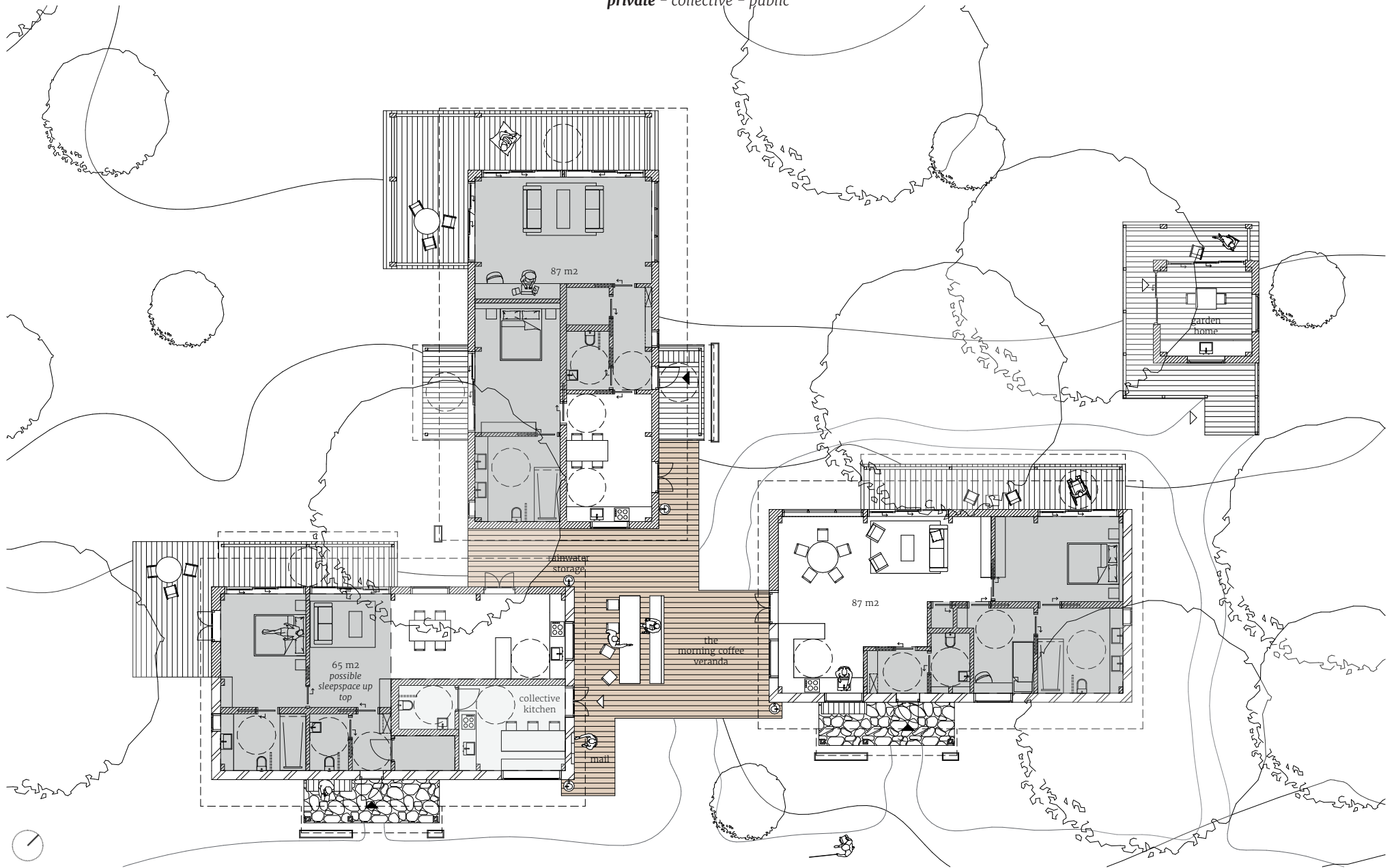
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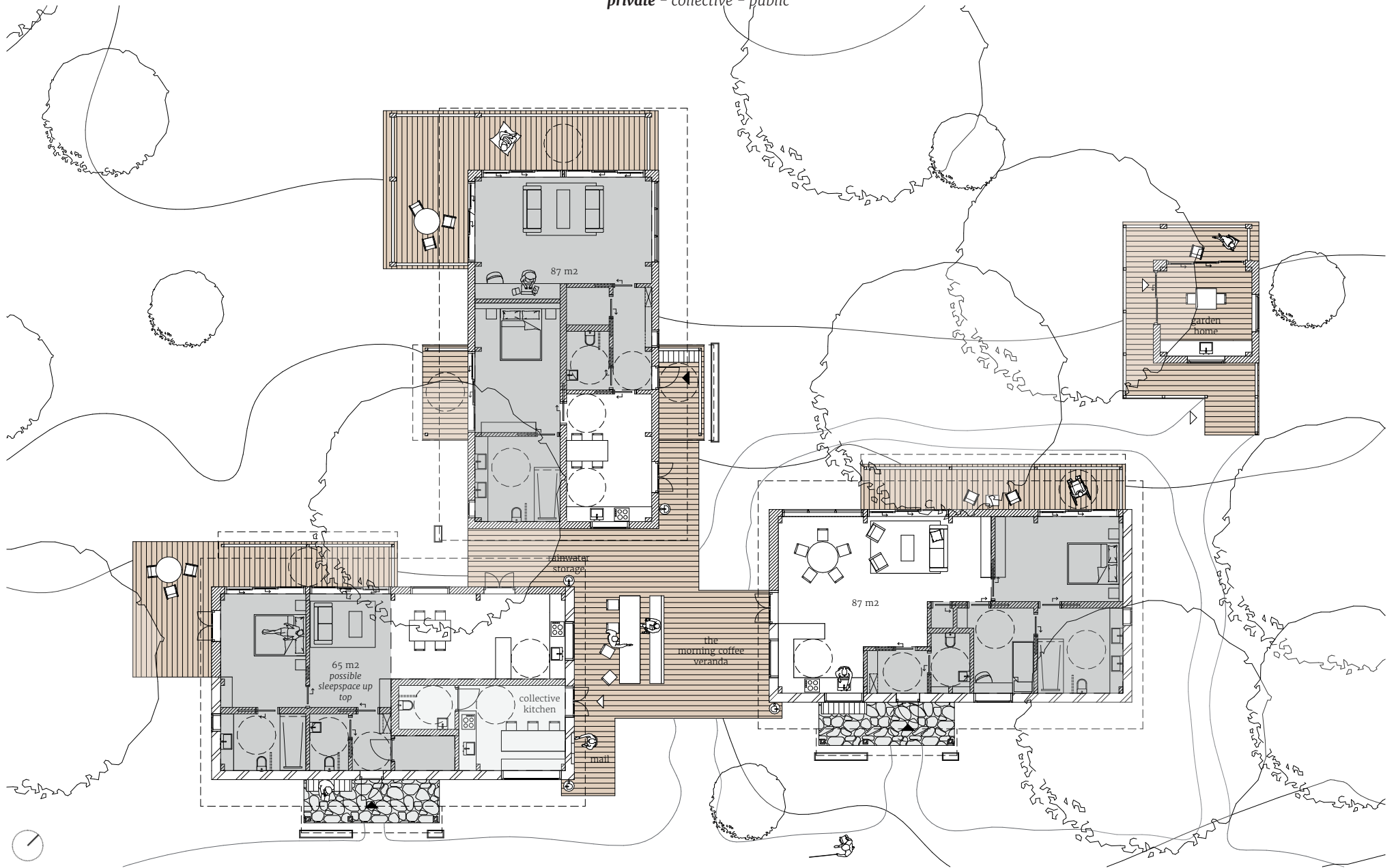
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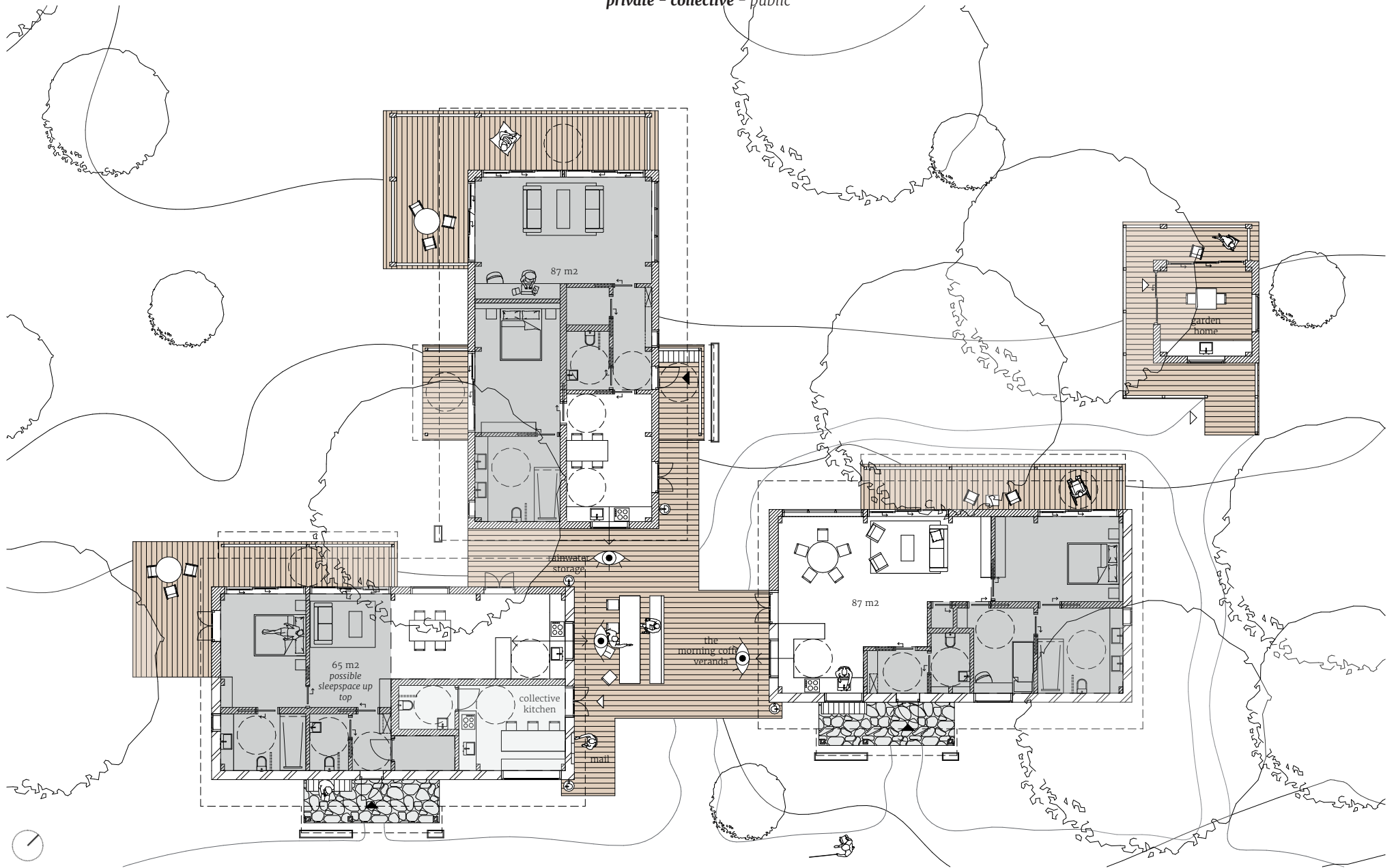
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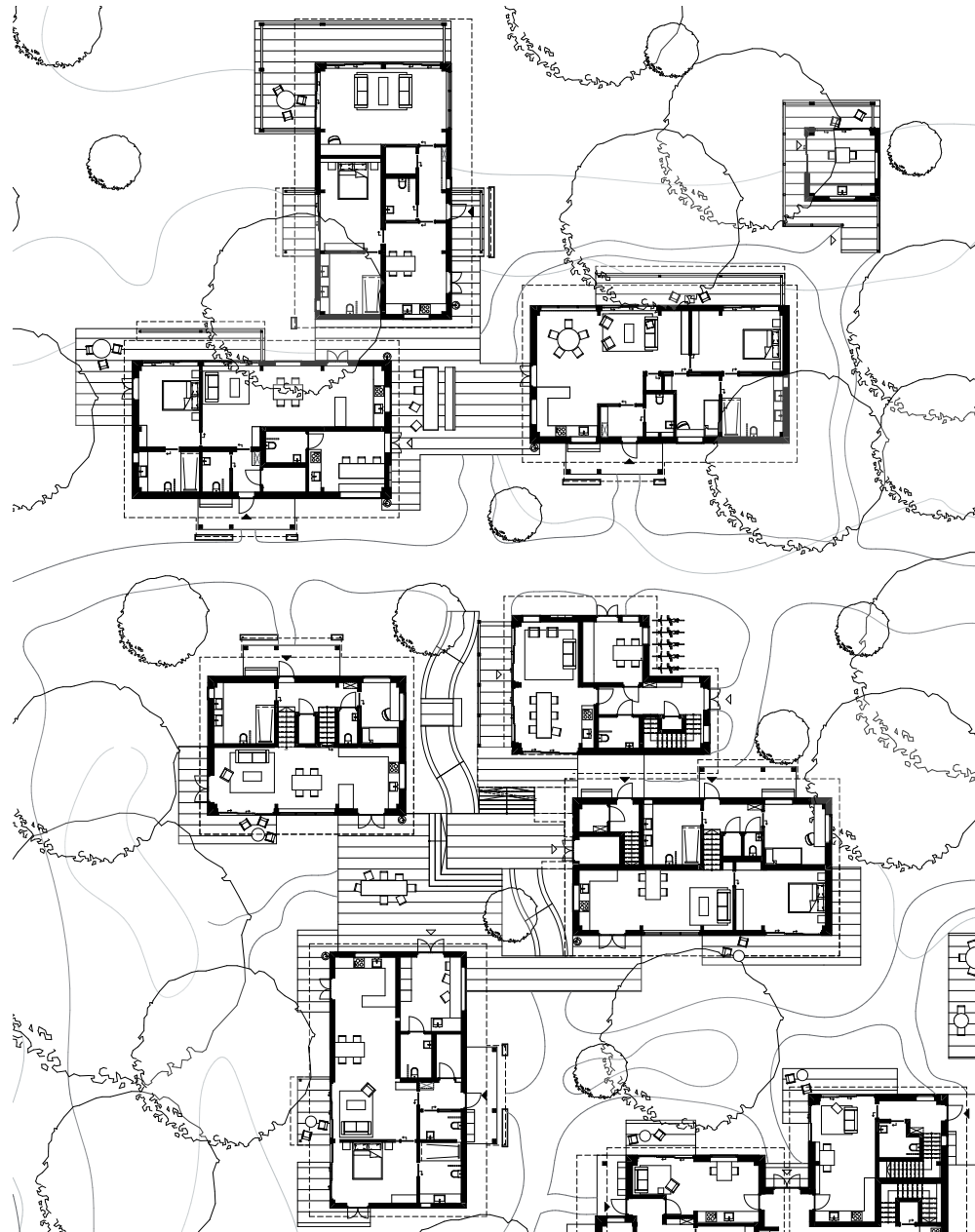
The Veranda Homes

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The Veranda and Community Homes: one community

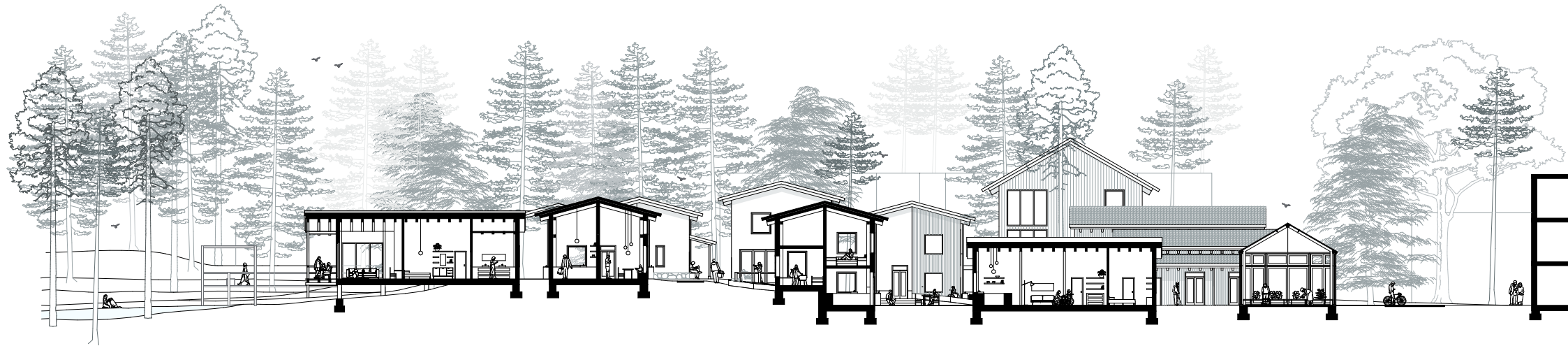
ground floor 1:200



From forest to community to neighbourhood

section 1:200

The public community home



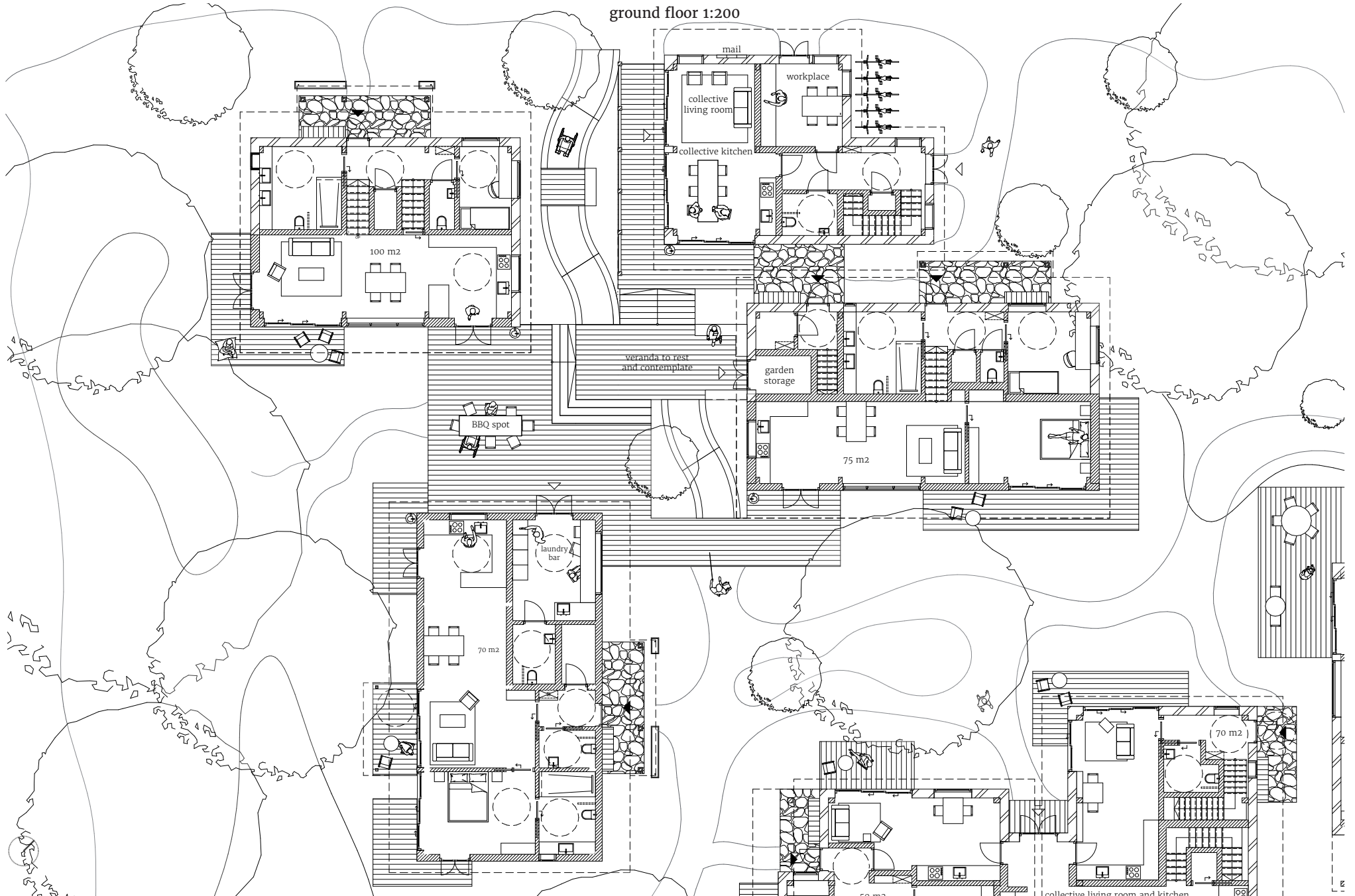
The Veranda community

The 4 under 1 roof communitiy

The Co-housing community

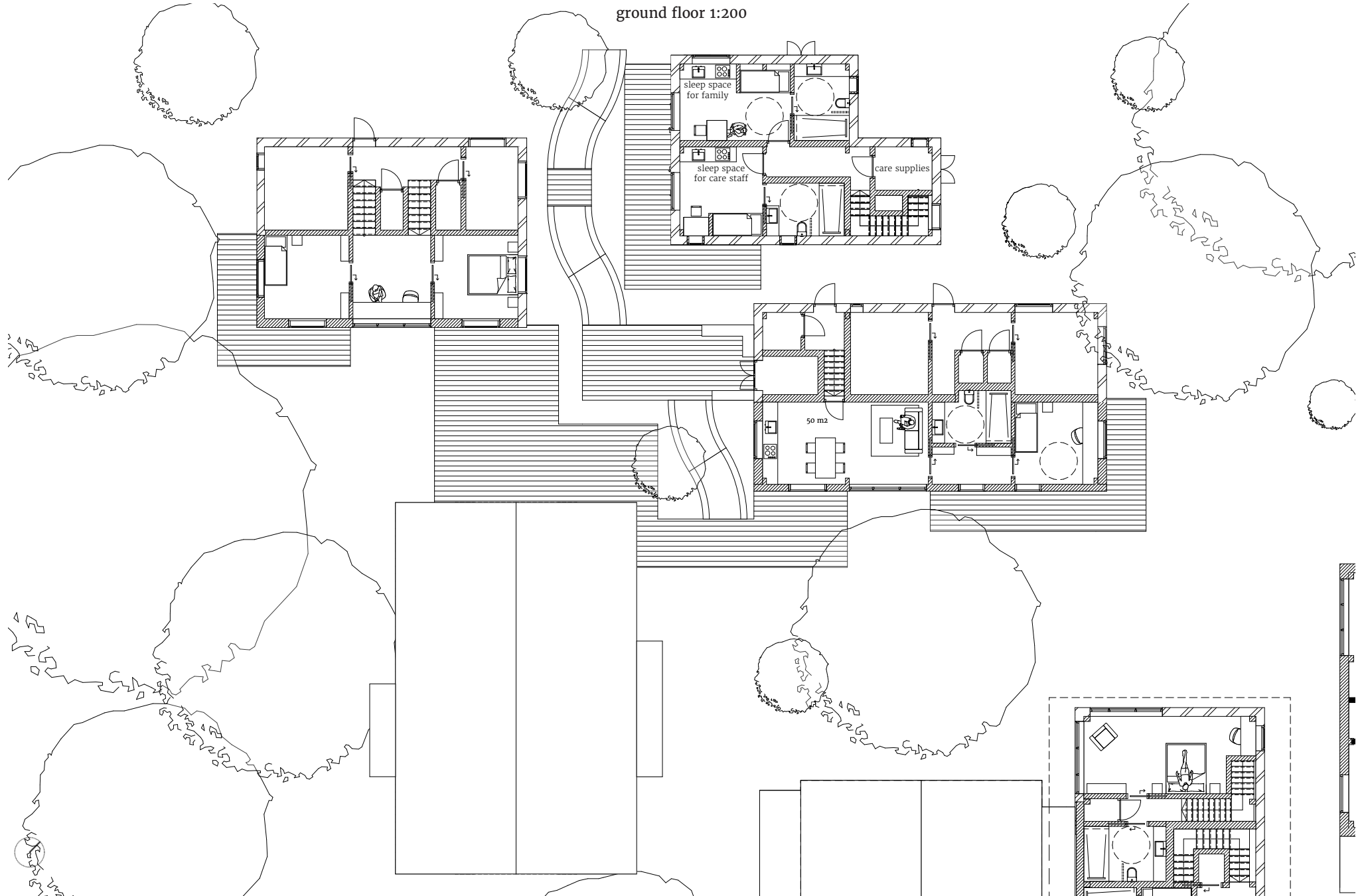
The 4 under 1 veranda community

ground floor 1:200



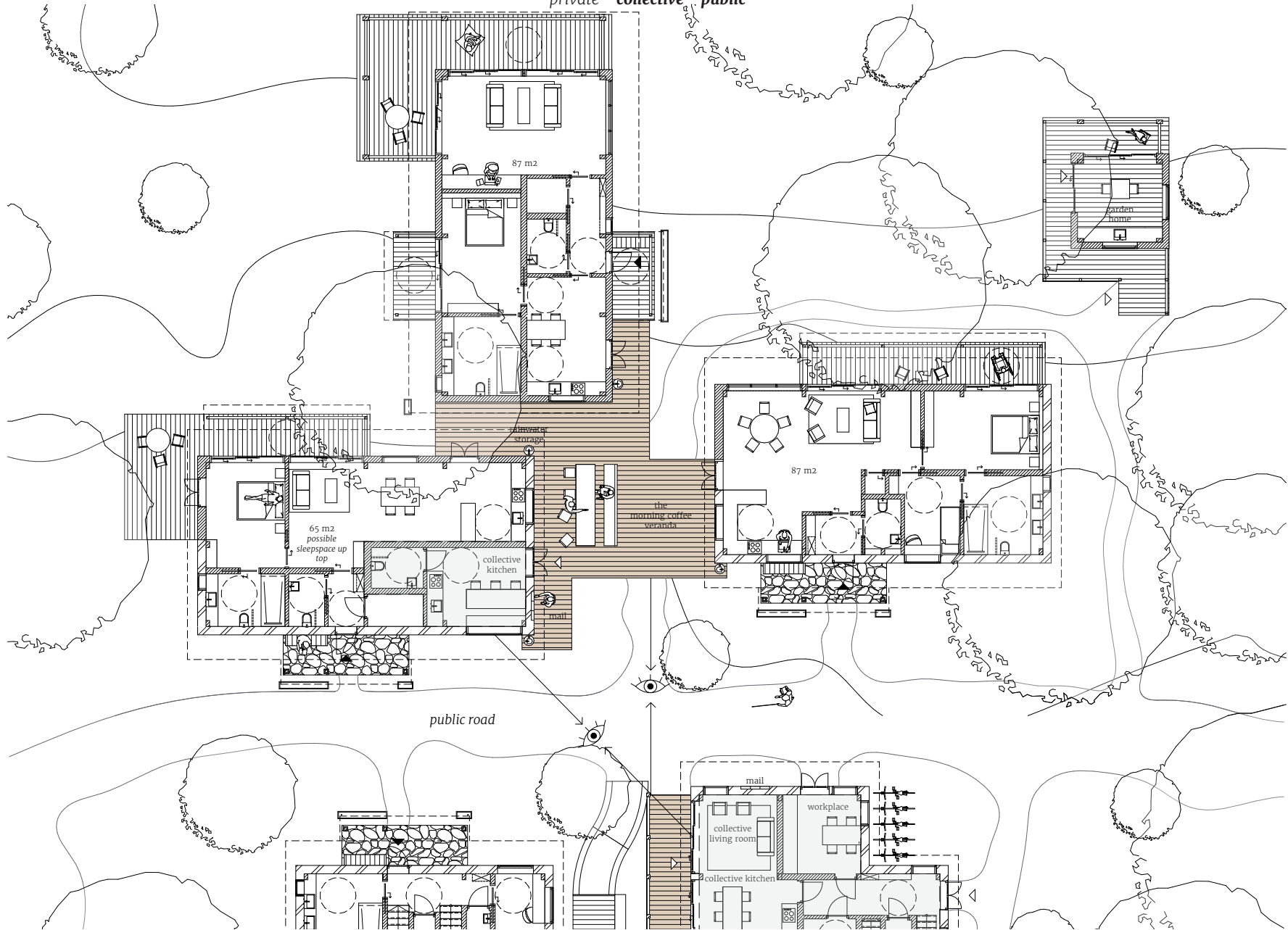
The 4 under 1 veranda community

ground floor 1:200



The Veranda Homes

the community gradient
private - collective - public



The gradients for the home of a sense of purpose in life

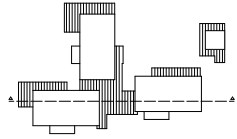
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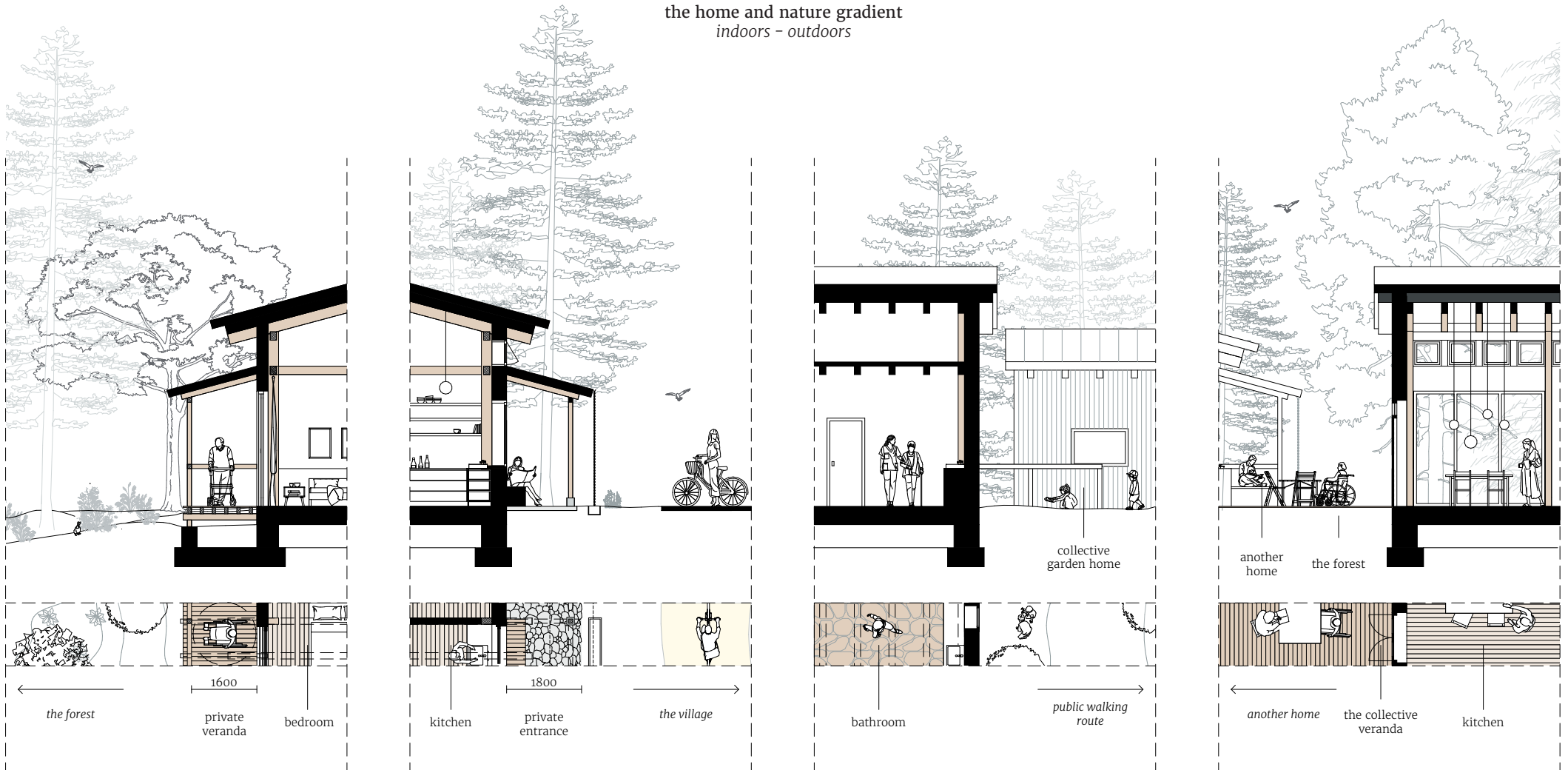
The Veranda Homes

the home and nature gradient
indoors - outdoors



The Veranda Homes

the home and nature gradient
indoors - outdoors



Facing the forest

Large glass openings, private spaces, wood

Facing the neighbouring community

Marked entrance with stone floor, fixed stone bench, kitchen view on the other community

Facing the public route

Closed facade with small opening, trees and collective function in between

Facing the community itself

French wide doors, window overlooking the collective

The gradients for the home of a sense of purpose in life

and the Veranda Homes

Gradients for the home of
a sense of purpose in life

a. the community
gradient
private - collective - public

b. the home and nature
gradient
indoor - outdoor

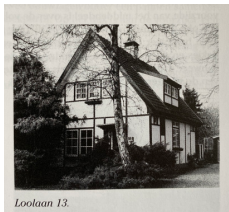
c. the village to forest
gradient
village - forest

The current architecture

of Driebergen-Rijsenburg



Langbroekerdijk 6, Voorlaan.



Loulaan 13.



Arnhemsebovenweg 16, Kattekroeg.



Arnhemsebovenweg 40.



Bornia 2.



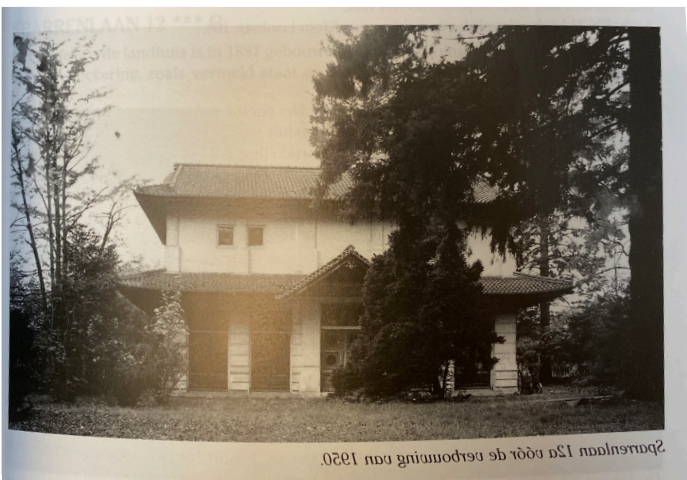
Bornia 3-4.



Langbroekerdijk 8.



Langweg 40.



Op de vesting van 1920



Rijsenburgelaan 2-3a, Paalshuis.

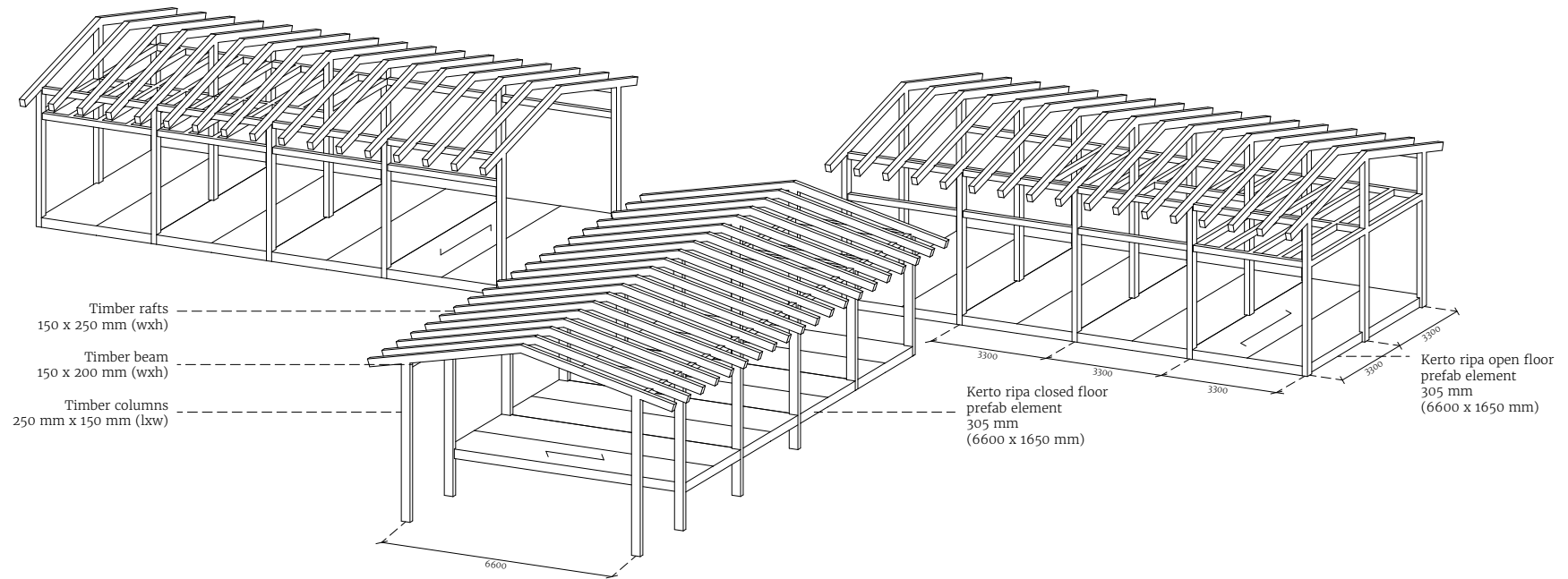
Rijsenburgelaan 4, De Poverhuus.



Burgemeesterlaan 24.

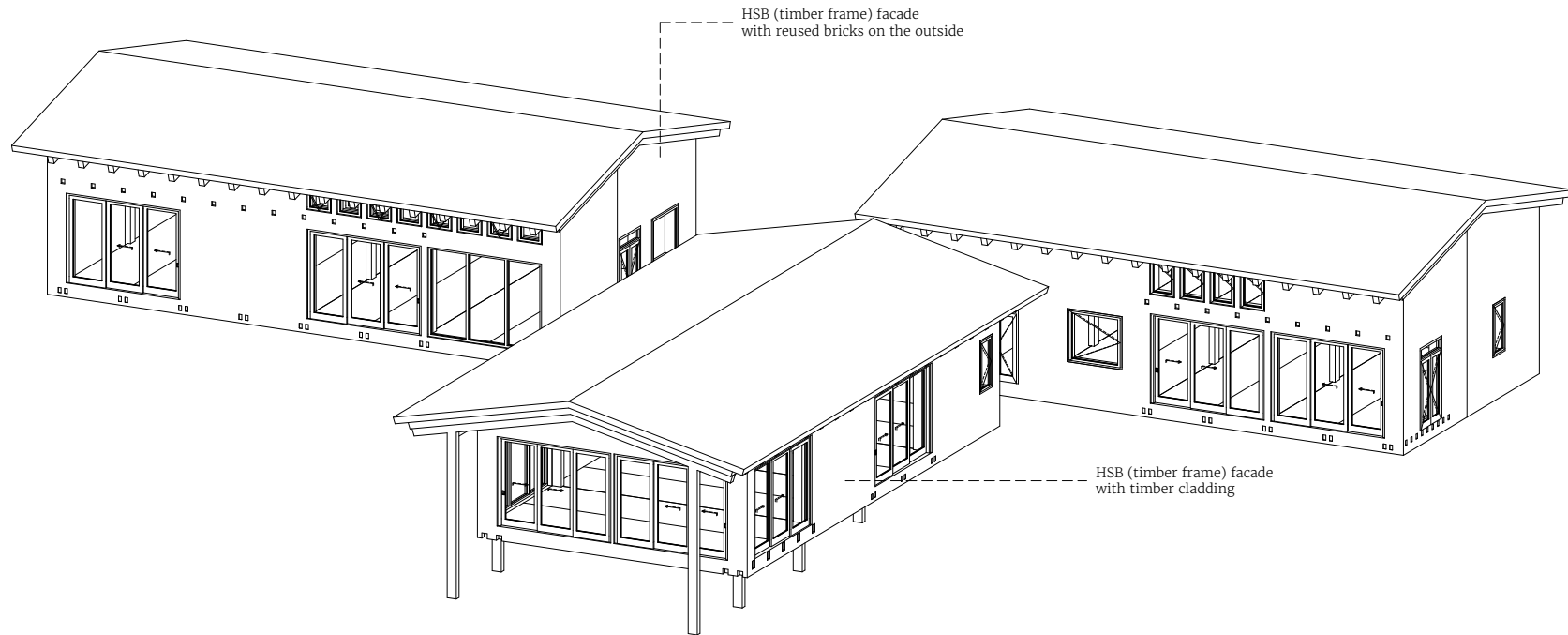
Construction

Axonometry



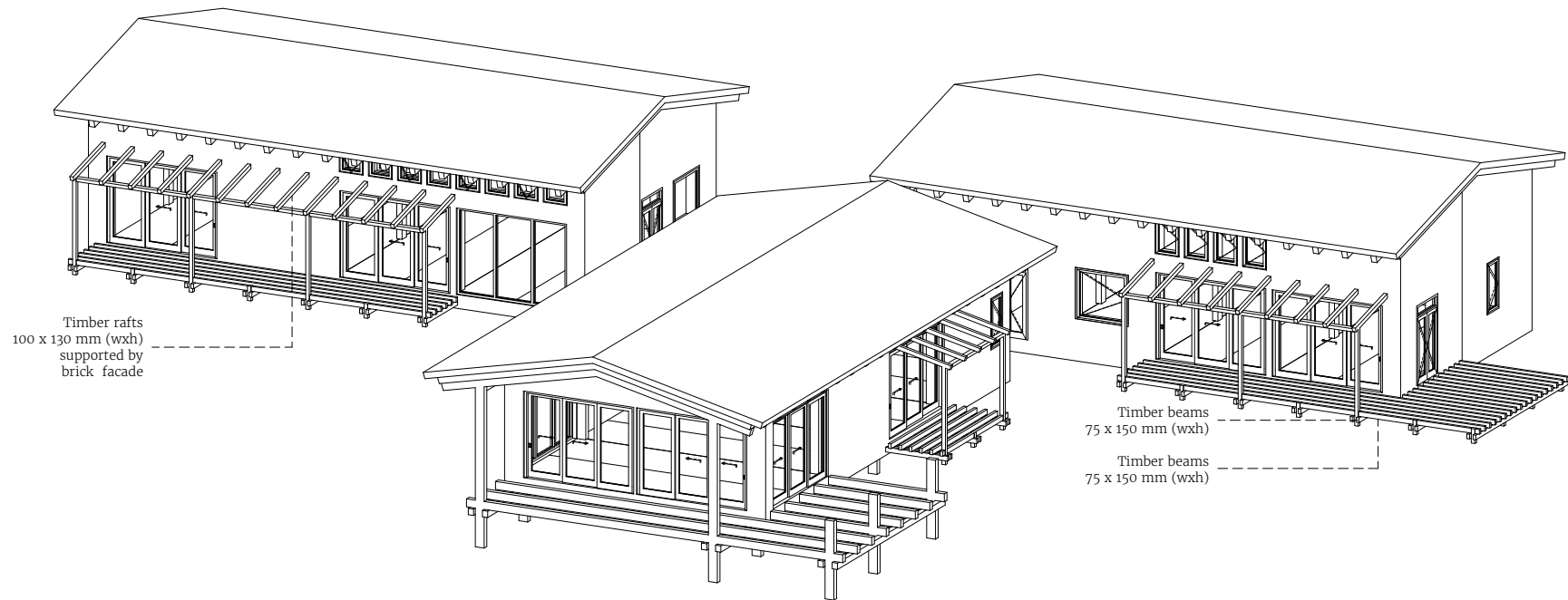
Construction

Axonomy



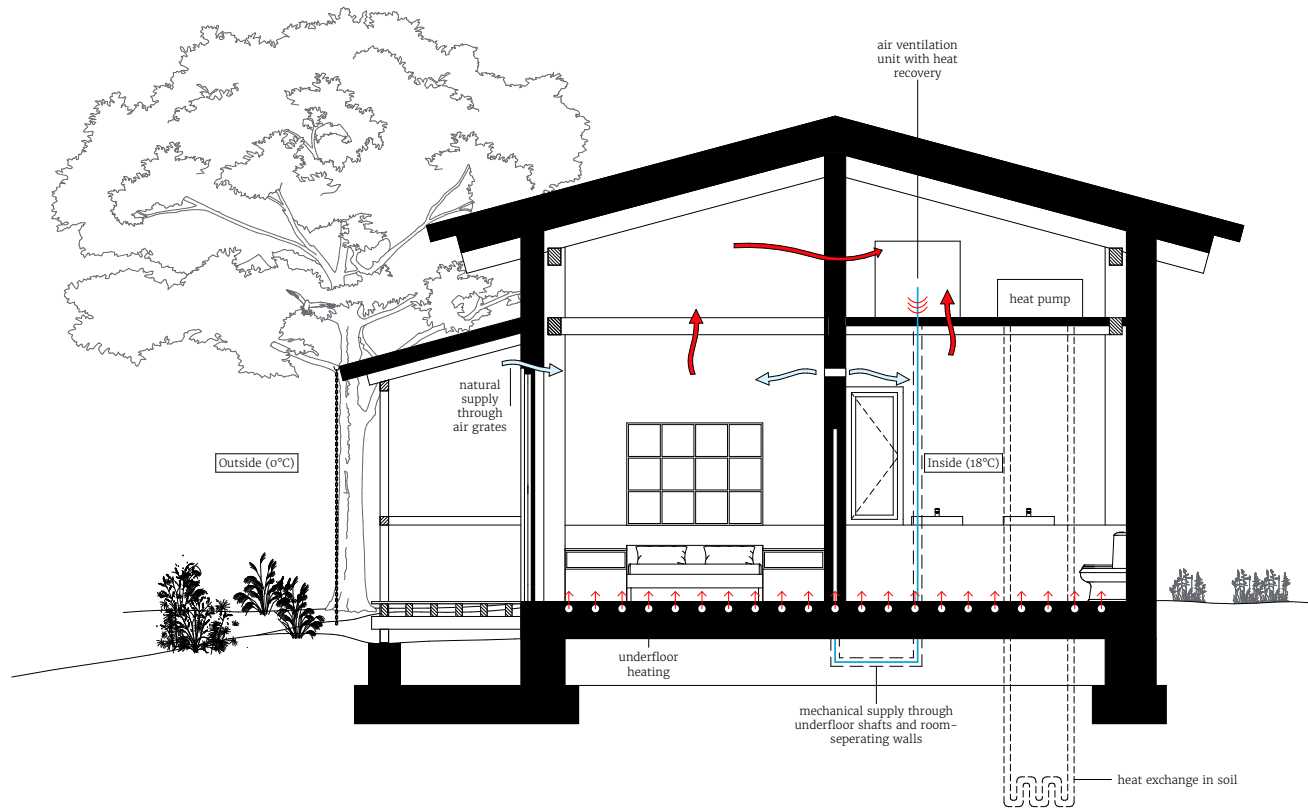
Construction

Axonomy



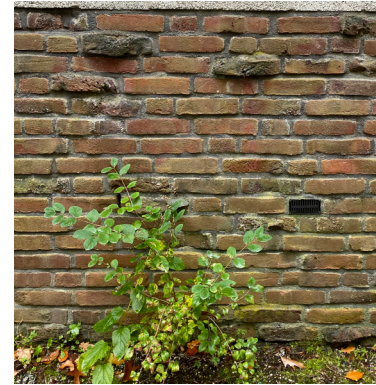
Climate

Winter



Materialisation

from the architectural guidelines
perspective



Use natural, honest and pure
materials that show imperfection

The existing architecture as a
source of inspiration

Materialisation

the village & forest gradient

The village side

Orange/pink
rooftiles

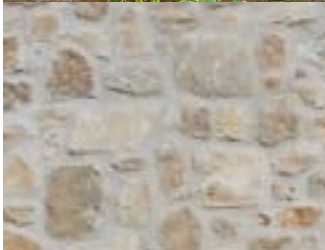


Oak framed
windows

Reused bricks from
the existing nursing
home



Stone work in light
cream colour

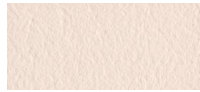
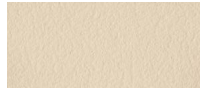


Water filtering
plants

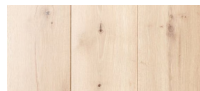


The interior

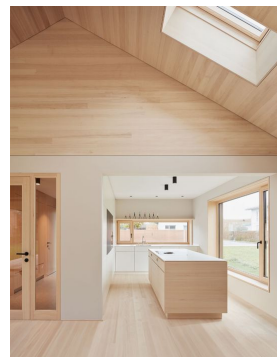
Loam plastered walls



Oak ceiling and floor



Pebbles

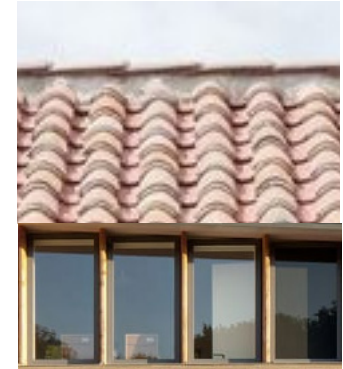


Existing trees



The forest side

Orange/pink
rooftiles



Oak framed
windows

Oak vertical timber
slats



Glass sliding doors
in timber frame

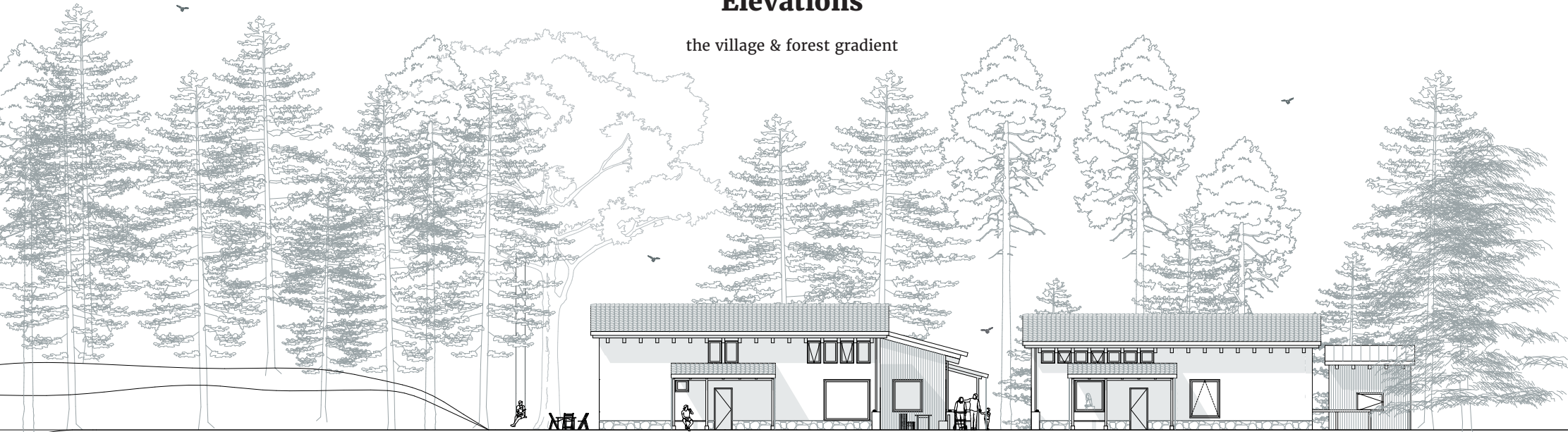


Wood veranda
planks

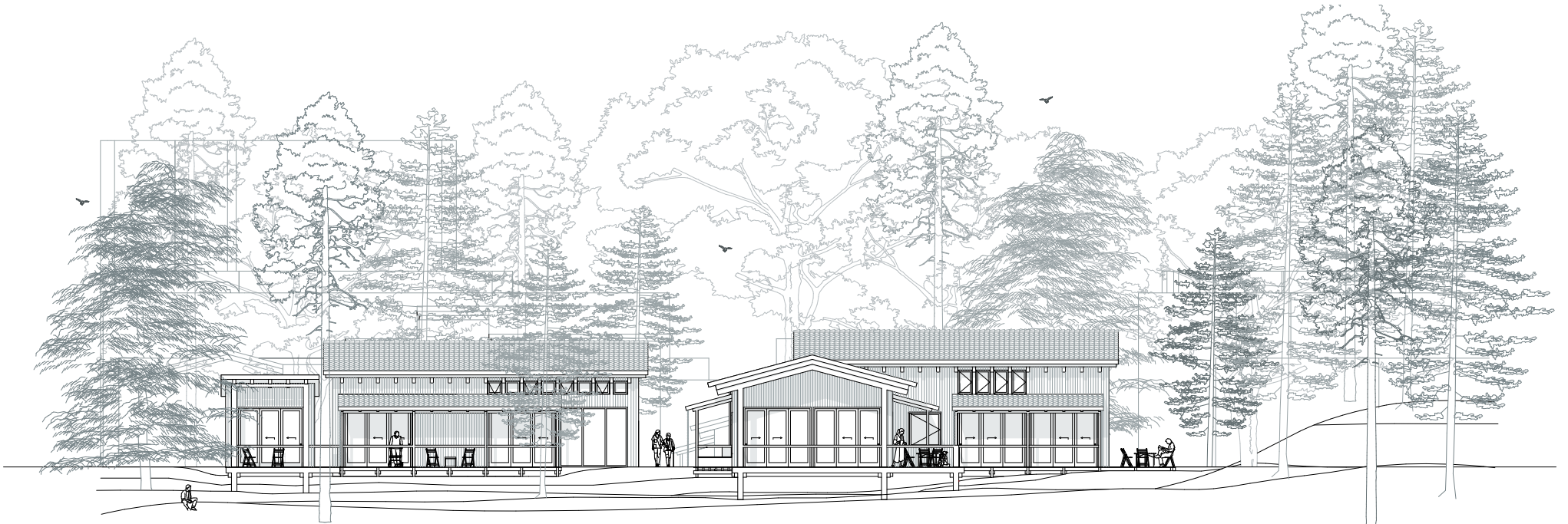


Elevations

the village & forest gradient



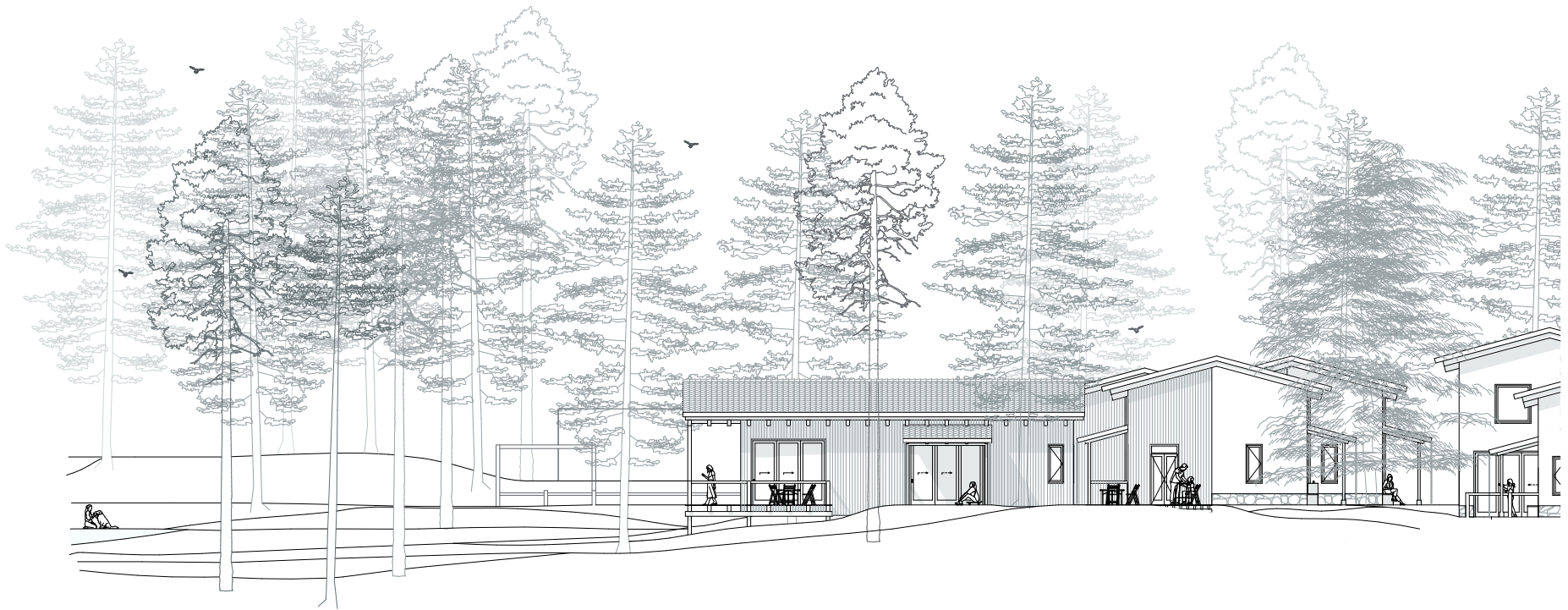
The village facade (south east)



The forest facade (north west)

Elevations

the village & forest gradient



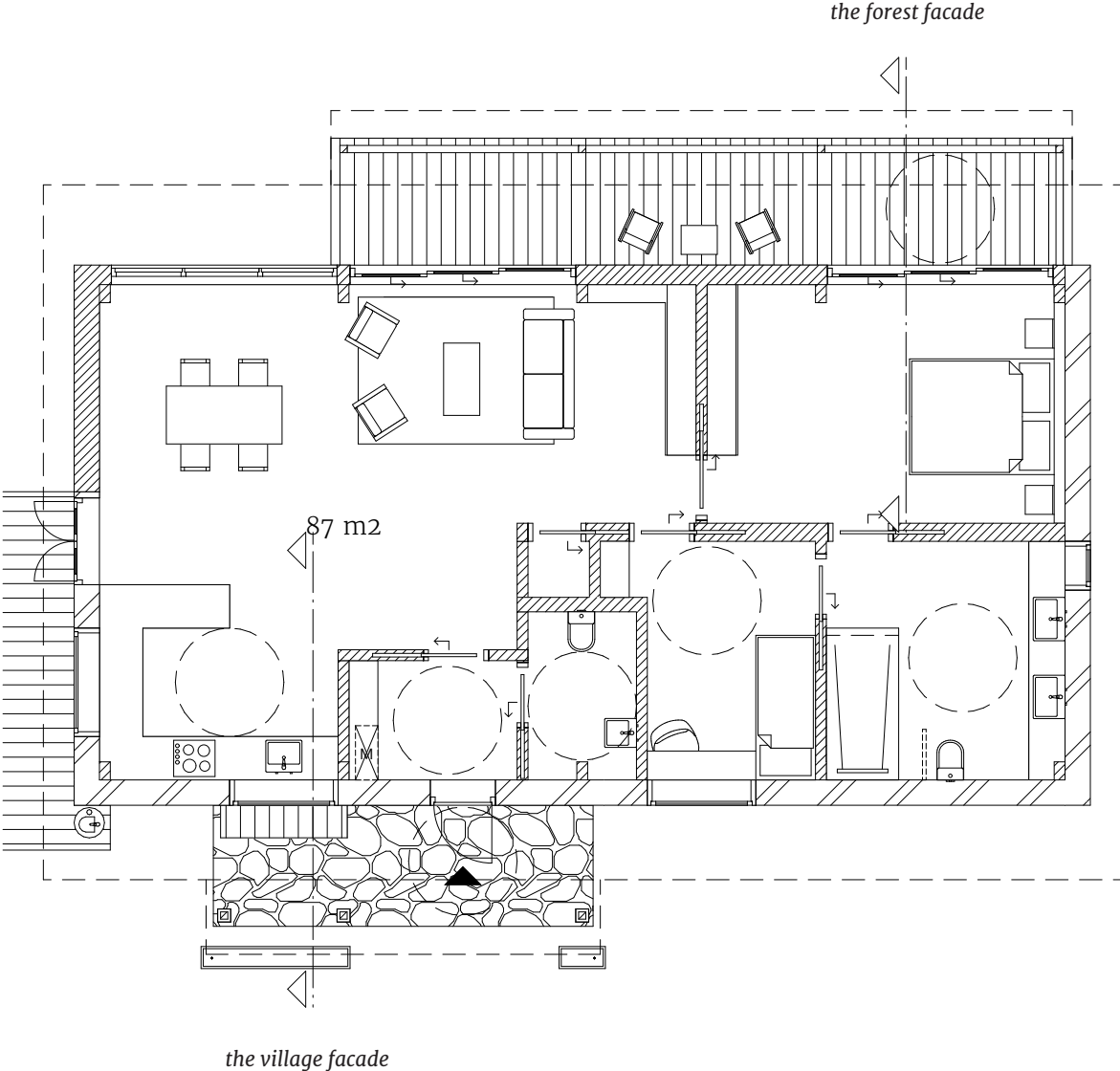
The forest

The south west facade

The village

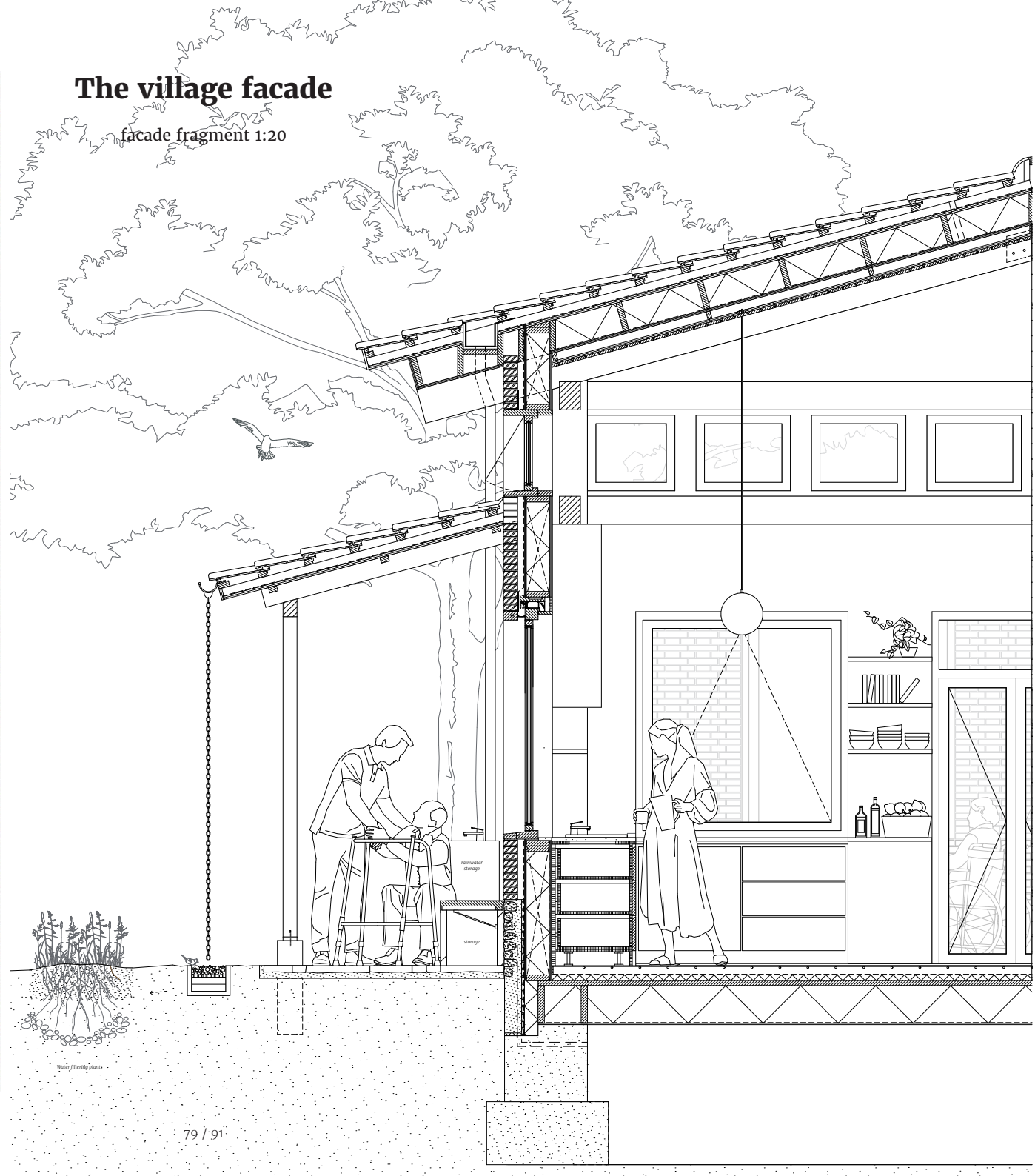
The detailing of both sides

the village & forest gradient



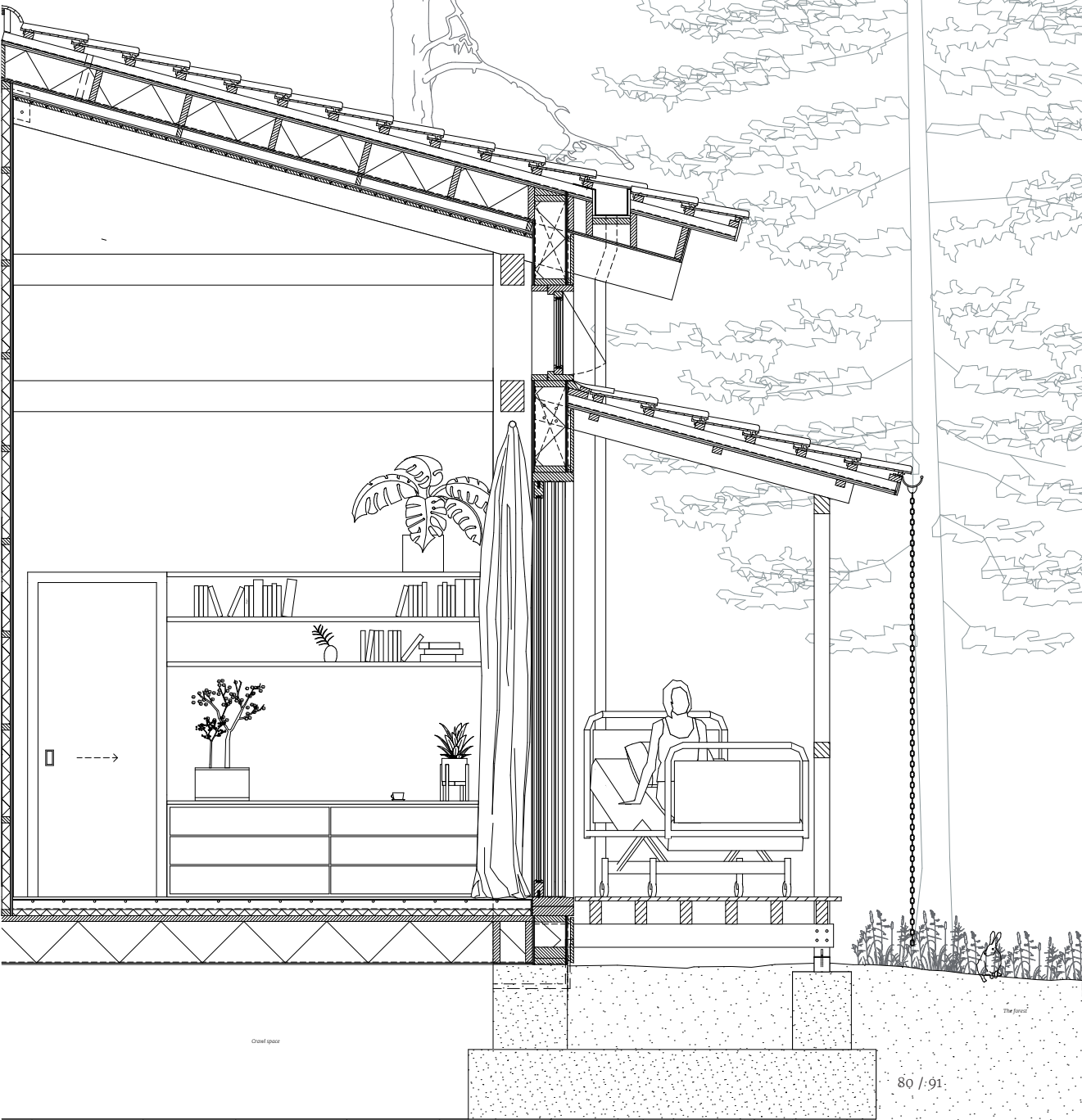
The village facade

facade fragment 1:20

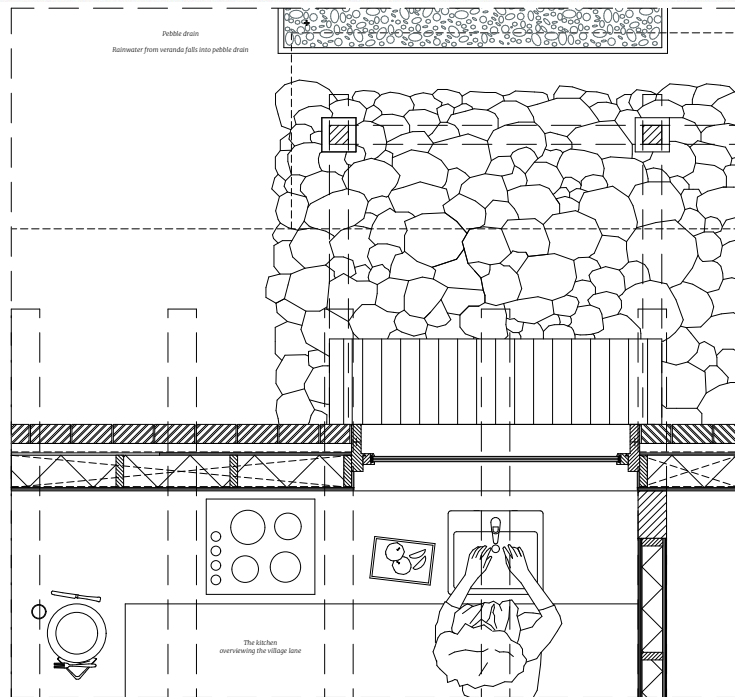


The forest facade

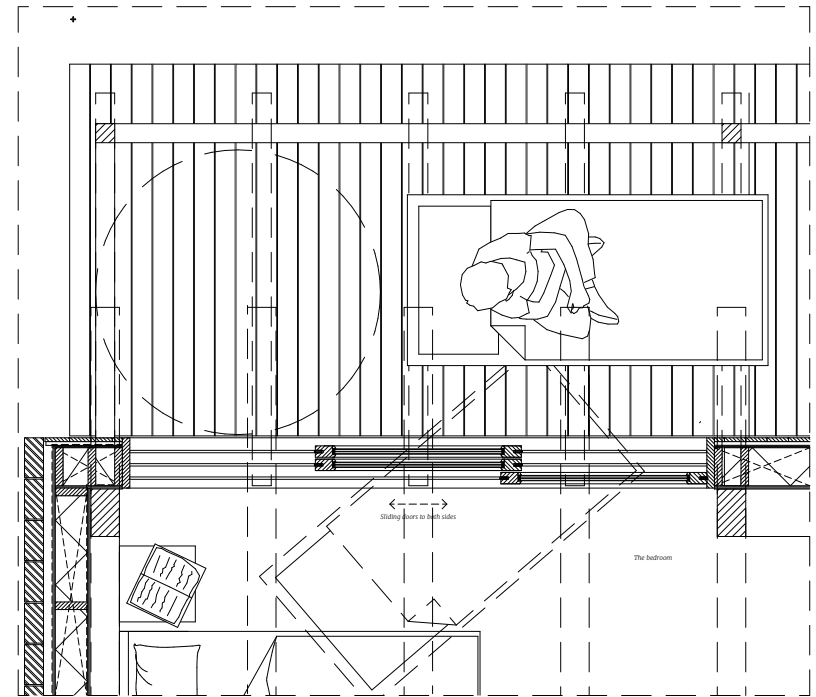
facade fragment 1:20



The village facade



The forest facade



Purpose through the phases of life

life in the Veranda Homes



Purpose through the phases of life

without mental and physical illness



daily life in the veranda homes: having coffee in the morning with neighbours on the collective veranda, emptying the rainwater tank, getting the mail, having friends and family over

Purpose through the phases of life

with physical limitations



Going to the laundry bar together , having coffee with their neighbours, rolling and strolling together through the verandas

Purpose through the phases of life

with mental limitations



Gardening peacefully by oneself, reading books and cooking with neighbours

Purpose through the phases of life

when suffering from dementia



“Going to work” in the collective work space on the other side of the street

Purpose through the phases of life

weeks before death



resting at the private veranda, enjoying the little things, saying goodbye to family and friends

Purpose through the phases of life

during death of partner



Being together

Purpose through the phases of life

after death of partner



lost purpose for a little while, lights candle and reminisce with community, finds purpose back with community

A miniature architectural model of a building complex, possibly a school or university campus, featuring a central building with a covered entrance, a smaller structure on the left, and a larger building on the right. The model is set on a tiered base with a pond in the foreground. Several tall, thin, stylized trees with flat, circular tops are scattered throughout the scene. The entire scene is reflected in the water of the pond.

Thank you

Marlous Heikamp - graduation 07 July 2021

The Veranda Homes

& the architectural guidelines

03 Personal Optimism
Create large windows in private spaces to allow wide views towards the garden
(wide views on nature from living room and bedroom)

05 (Re)Connection with Nature
The veranda as a safe and smooth transition and dialogue between the indoors and outdoors
(the private veranda)

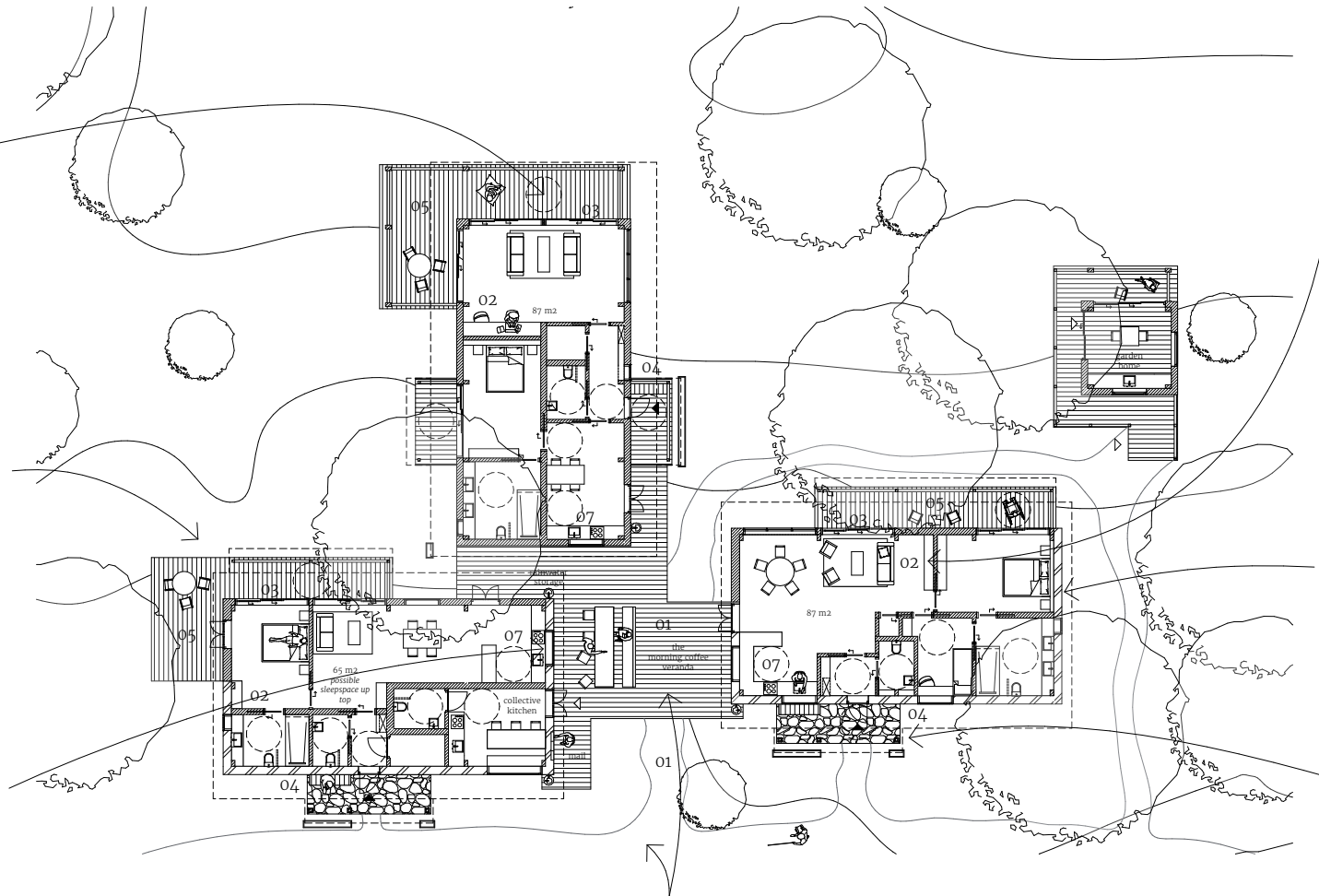
07 Mutual Recognition
Create views from the home on the homes of the neighbours
(direct view from kitchen on the collective)

01 Commitment
A good and visible connection between the home and collective/public spaces
(the wooden collective veranda and nobré cal path)

02 Reminiscence
Create a place dedicated to displaying personal objects attached to memories from the past
(little nook with wooden planks and cabinet)

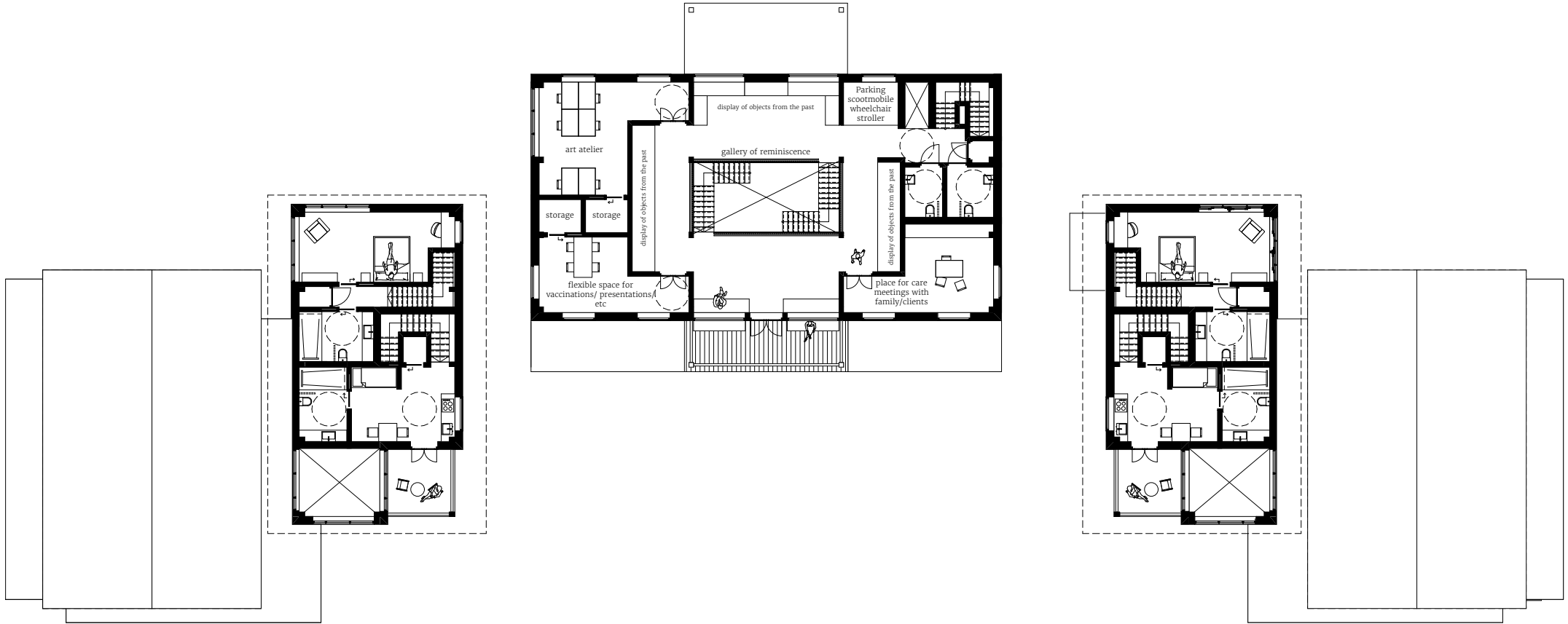
06 Temporality of life
Use natural, honest and pure materials that show imperfection
(reused brick from demolished nursing home)

04 Spiritual Well-being
Use a close combination of classical elements and structural elements
(outdoor columns land on landscape)



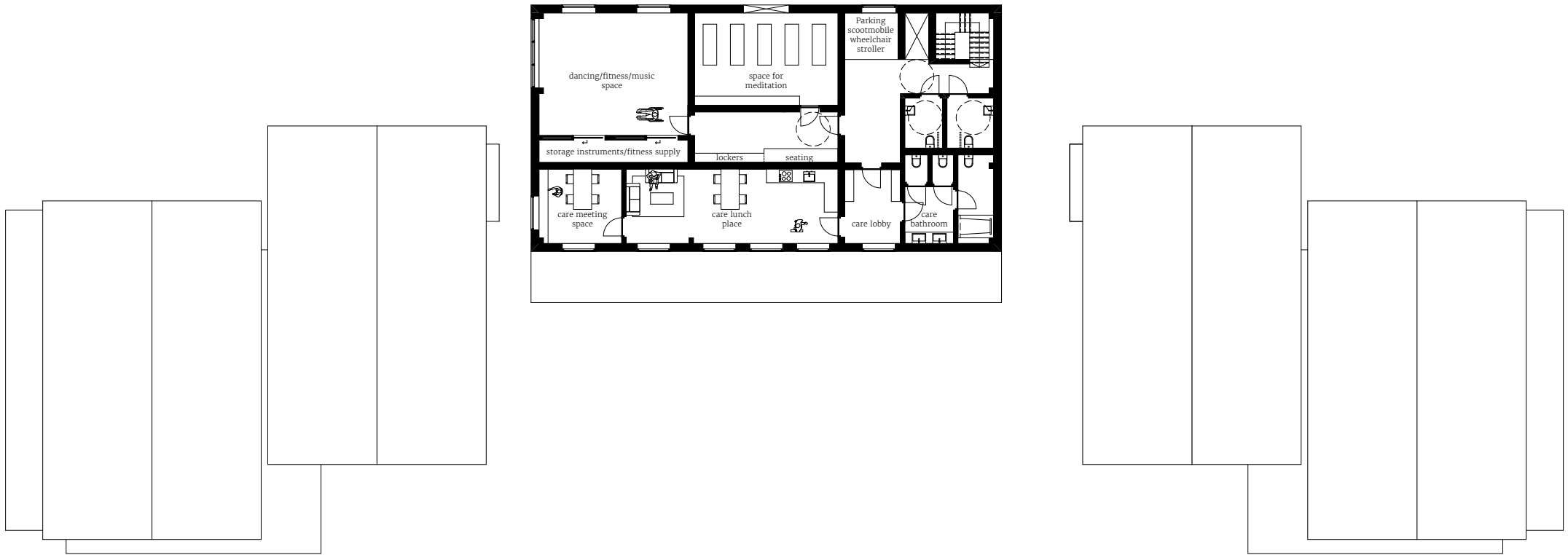
The Co housing community and Public community home

first floor 1:200



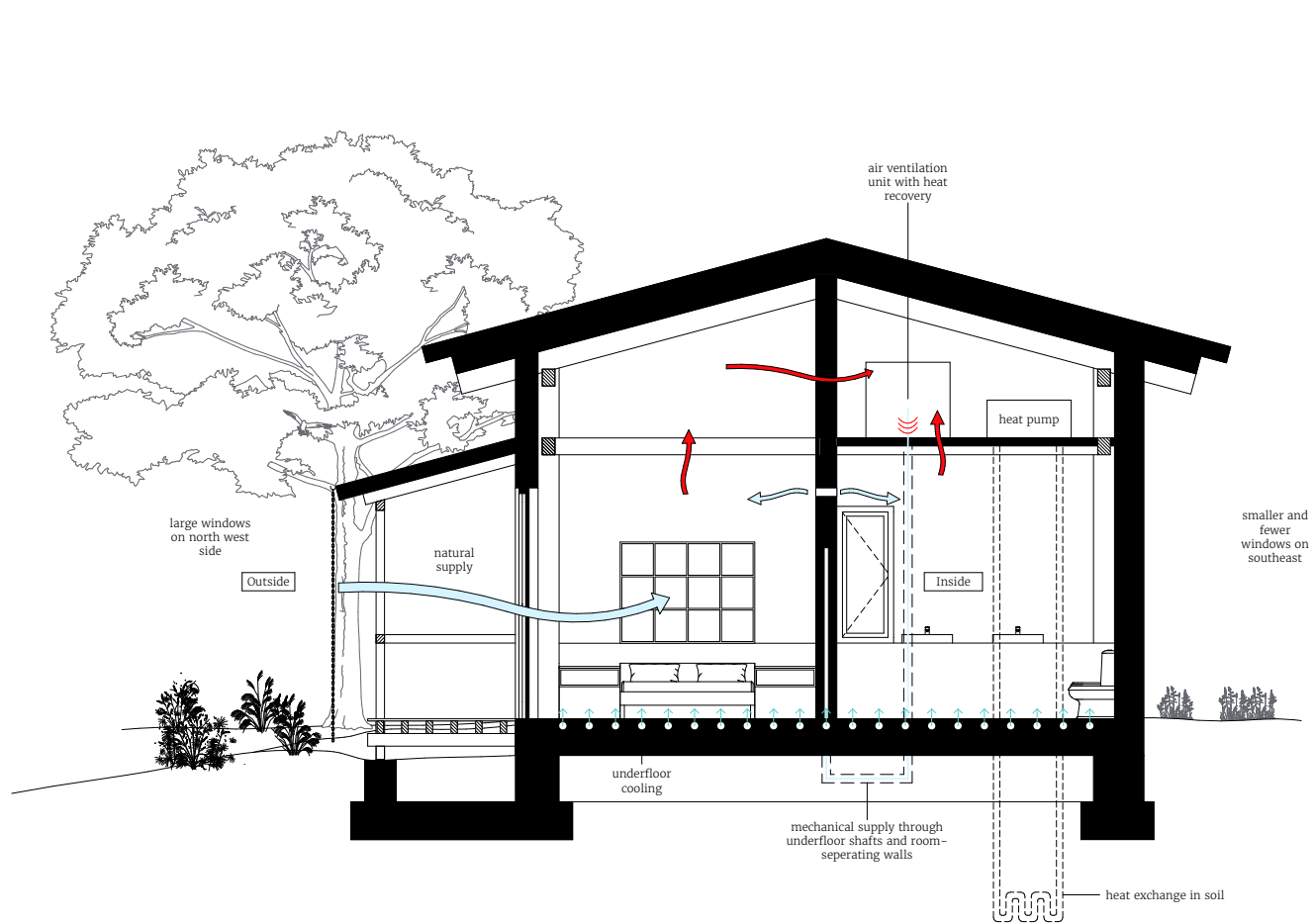
The Co housing community and Public community home

second floor 1:200



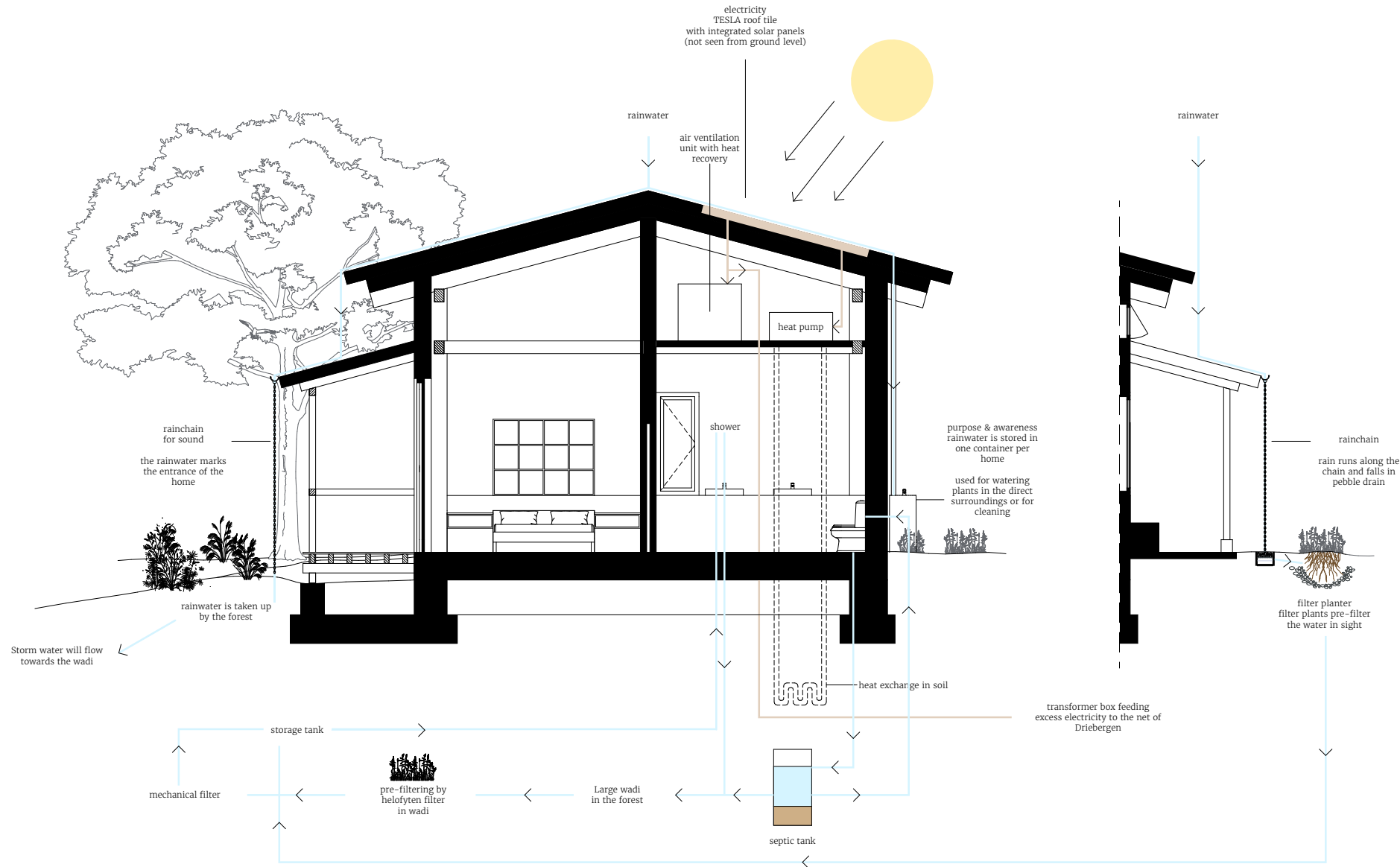
Climate

summer



Climate

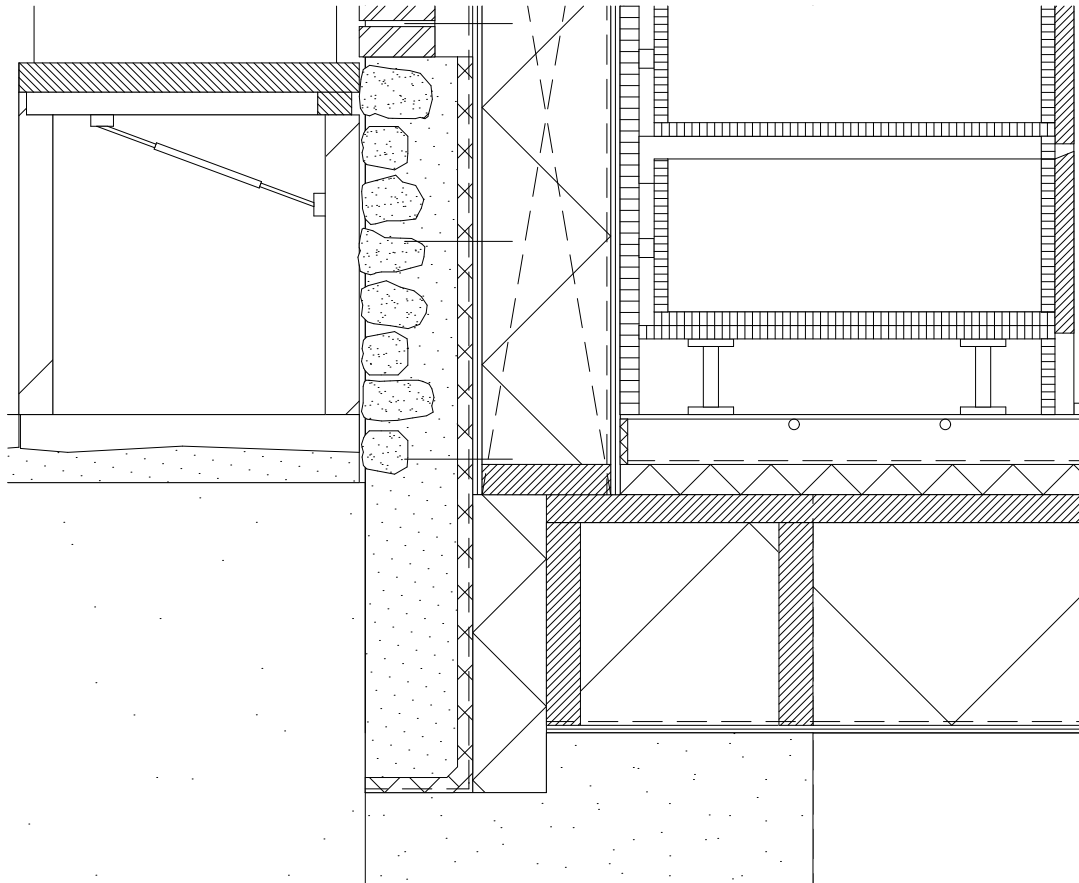
water & electricity



Detailing

Details 1:5

Stone facade to floor detailing 1:5



Stone facade

100 mm stone wall with mortar joints
20 mm drainage mat

Stone outdoor floor

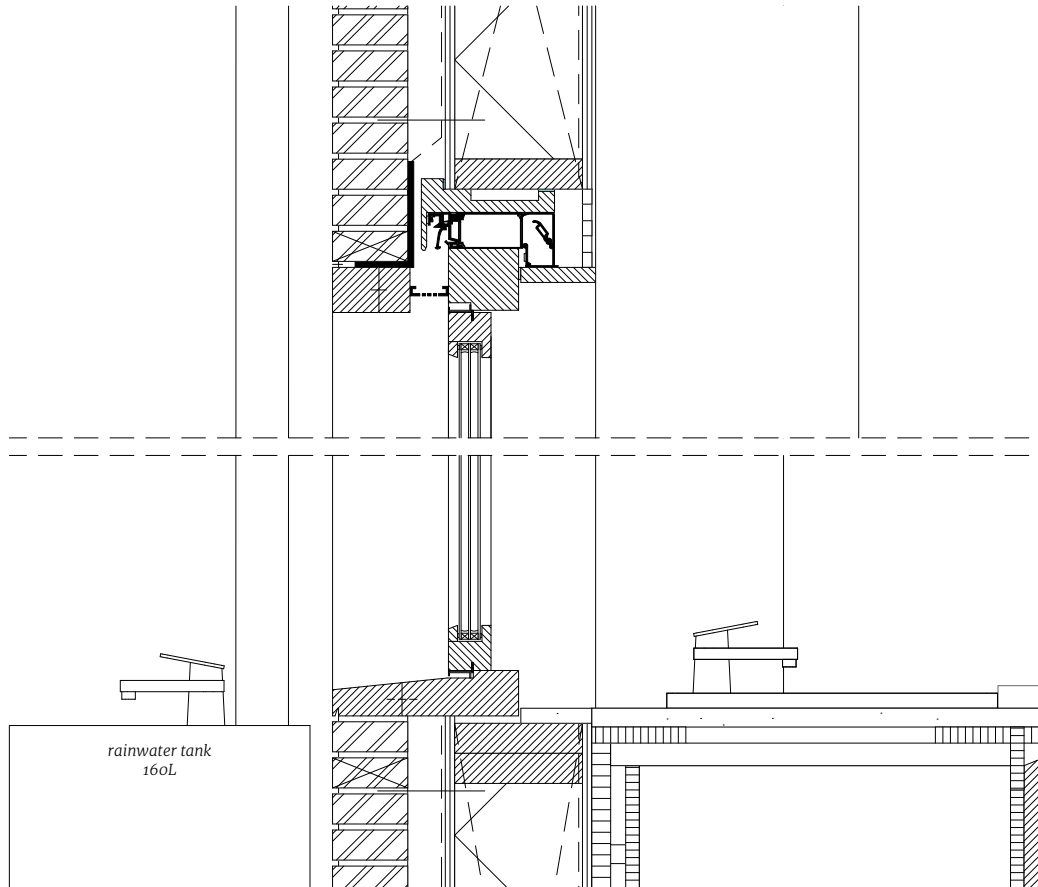
50 mm stone pavings
on 40 mm mortar bed

Floor

20 mm parquet flooring
Underlayment (rubber)
60 mm screed with underfloor heating and cooling
Foil
40 mm Sheep's wool sound insulation
Kerto Ripa prefab open floor element 305 mm
(l=6600 mm b = 1650)

Detailing

Details 1:5



Brick facade to window detailing 1:5

Brick facade

2 mm Loam plaster
5 mm Base loam
12.5 mm plasterboard
Pro Clima Intello® Foil (dampdichte folie)
170 mm Sheep's wool insulation (Rc= 4,8 m²K/W,
*taken from a sheep farmer in the neighbourhood who
would otherwise throw it away*)
between timber frame 60 x h.o.h
12.5 mm OSB
Water resistant membrane
50 mm Ventilated cavity
100 mm reused bricks (*taken from the demolished care
homes*)
(English cross bond 210x100x40)

Triple thermal glazing in wooden frame

Oak wooden frame with ventilation grate for natural
ventilation and to create an extra purpose

Rainwater storage

Used to create purpose and awareness

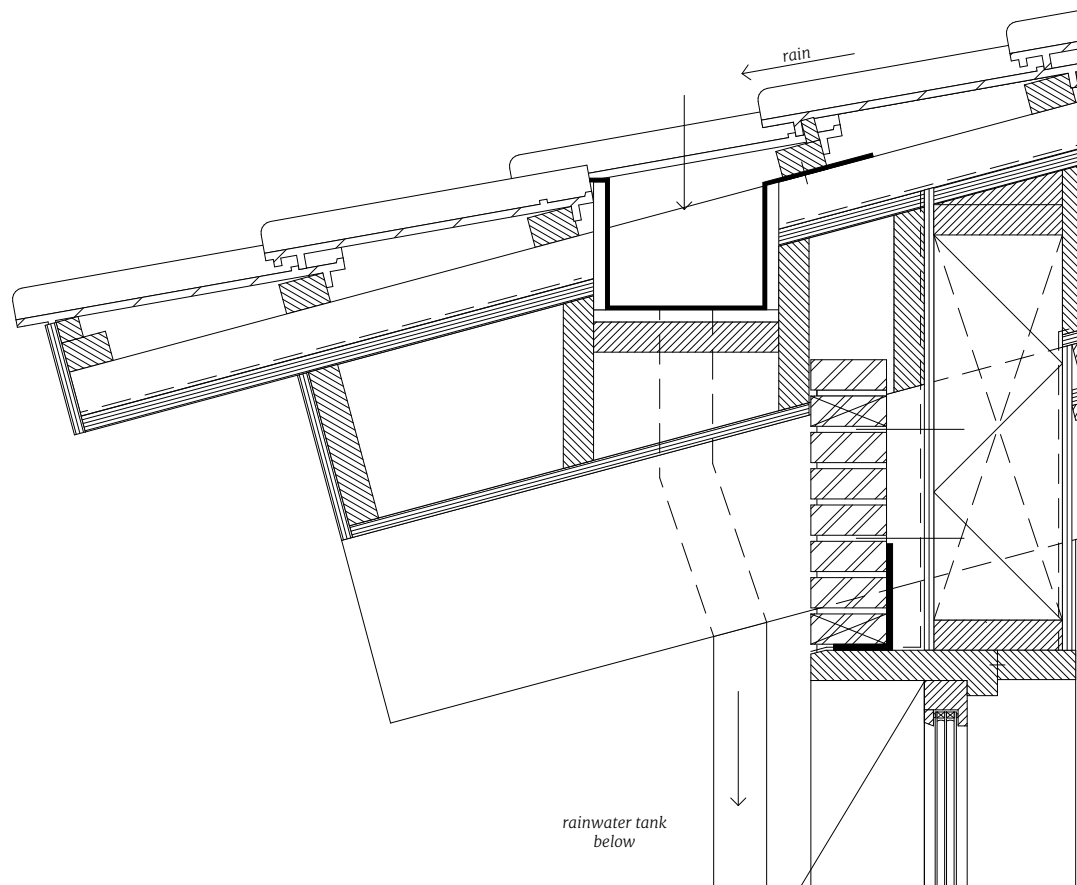
Rainwater is stored in one container per home and
can be used for watering plants in the direct
surroundings or for cleaning

Kitchen cabinet

22 mm oak veneered composite wood board

Detailing

Details 1:5



Brick facade to roof detailing 1:5

Roof

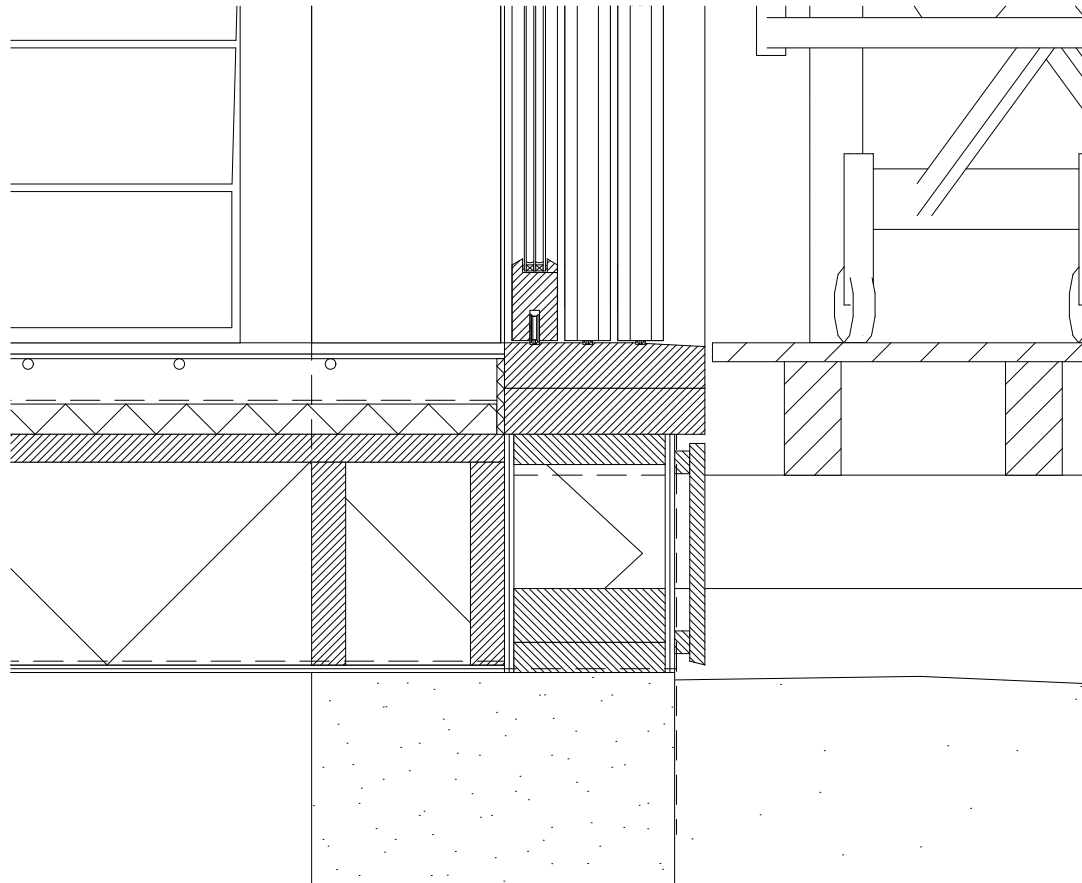
Orange/red low pitch system roof tiles
40 x 60 mm battens
60 x 80 mm counter-battens
Water resistant membrane
22 mm wood fibre board
210 mm Sheep's wool insulation (Rc= 6 m²K/W,
*taken from a sheep farmer in the neighbourhood who
would otherwise throw it away*)
Pro Klima Intello® Foil (dampdichte folie)
16 mm OSB
20 mm Oak boarding
200 mm rafters

Rainwater storage

Rainwater will run through downspout into
rainwater tank

Detailing

Details 1:5



Wood facade to floor detailing 1:5

Sliding doors

Triple thermal glazing in oak wooden frame

Veranda decking

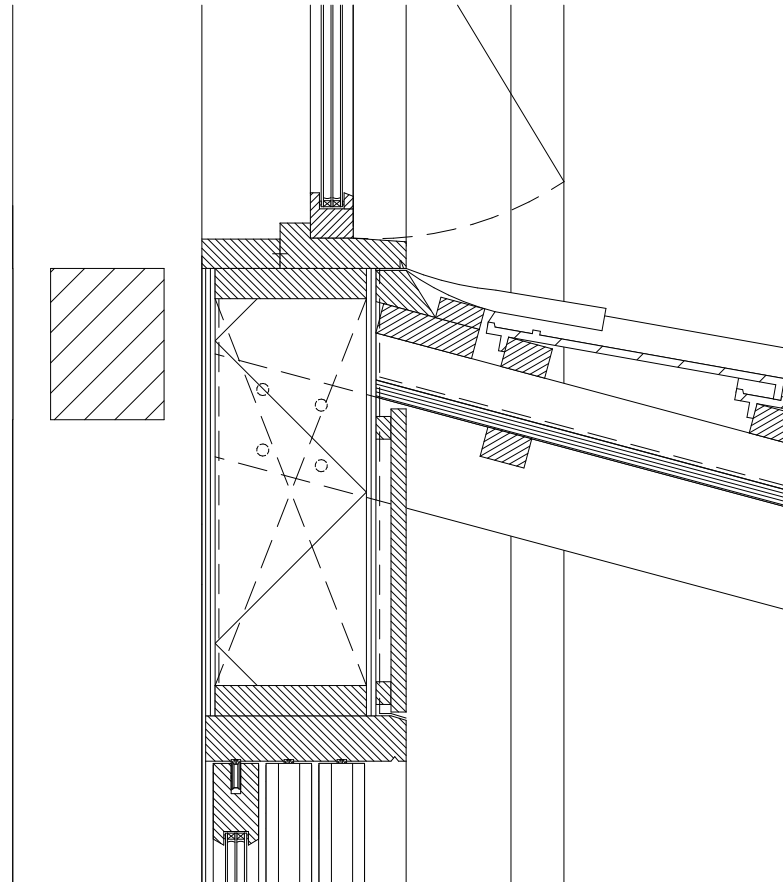
25 mm oak wood planks anti-slip
75 x 150 mm oak counter beams
75 x 150 mm oak beams

Floor

20 mm parquet flooring
Underlayment (rubber)
60 mm screed with underfloor heating and cooling
Foil
40 mm sound insulation
Kerto Ripa prefab open floor element 305 mm
(l=6600 mm b = 1650)

Detailing

Details 1:5



Wood facade to veranda roof detailing 1:5

Openable window

Triple thermal glazing in oak wooden frame

Veranda roof

Orange/red low pitch system roof tiles
40 x 60 mm battens
60 x 80 mm counter-battens
Waterkerende laag
22 mm wood fibre board
20 mm Oak boarding
130 mm rafters

Coloured lead slab at window frame (Waka flex)

Timber facade

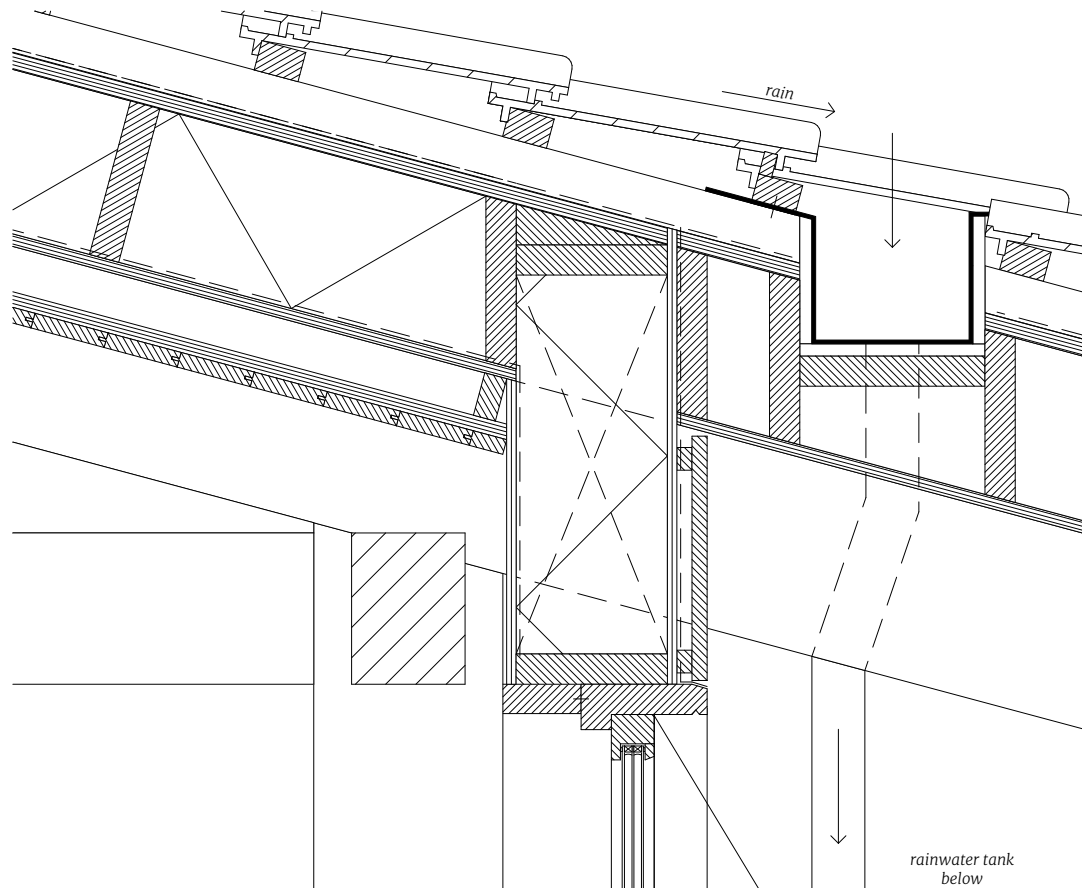
2 mm Loam plaster
5 mm Base loam
12.5 mm gypsum fiber board
Pro Klima Intello® Foil (dampdichte folie)
170 mm Sheep wool thermal insulation (Rc= 4,8
m²K/W, taken from a sheep farmer in the
neighbourhood who would otherwise throw it away)
between timber frame 60 x h.o.h
12.5 mm OSB
Water resistant membrane
20 mm Ventilated cavity with wooden battens
20 mm Vertical oak wood cladding

Sliding doors

Triple thermal glazing in oak wooden frame

Detailing

Details 1:5



Wood facade to roof detailing 1:5

Roof

Orange/red low pitch system roof tiles
40 x 60 mm battens
60 x 80 mm counter-battens
Waterkerende laag
22 mm wood fibre board
210 mm Sheep's wool insulation (Rc= 6 m2K/W,
*taken from a sheep farmer in the neighbourhood who
would otherwise throw it away*)
Pro Clima Intello® Foil (dampdichte folie)
16 mm OSB
20 mm Oak boarding
200 mm rafters

Construction

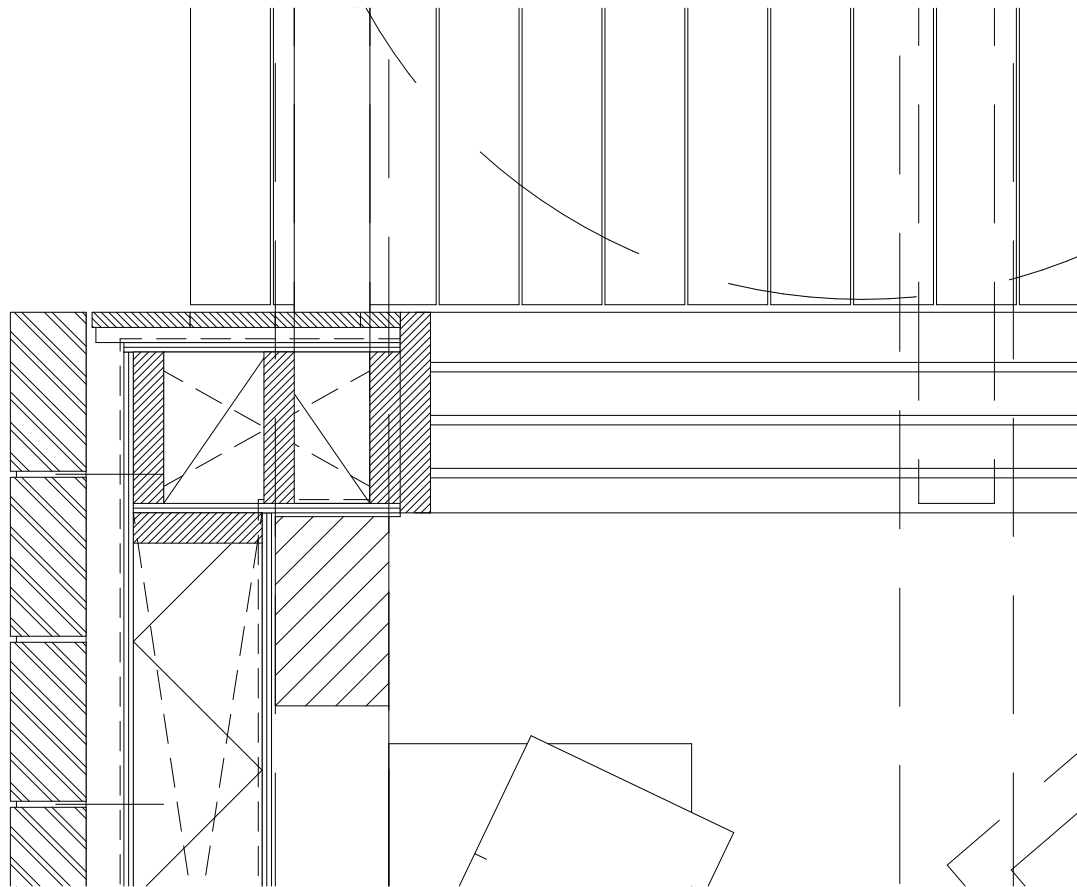
Timber columns 250 x 150 mm
Timber beams 200 x 150 mm
Timber rafters 150 x 200 mm

Rainwater storage

Rainwater will run through downspout into the
forest via stone pebbles drainage

Detailing

Details 1:5



Wood to brick facade horizontal detailing 1:5

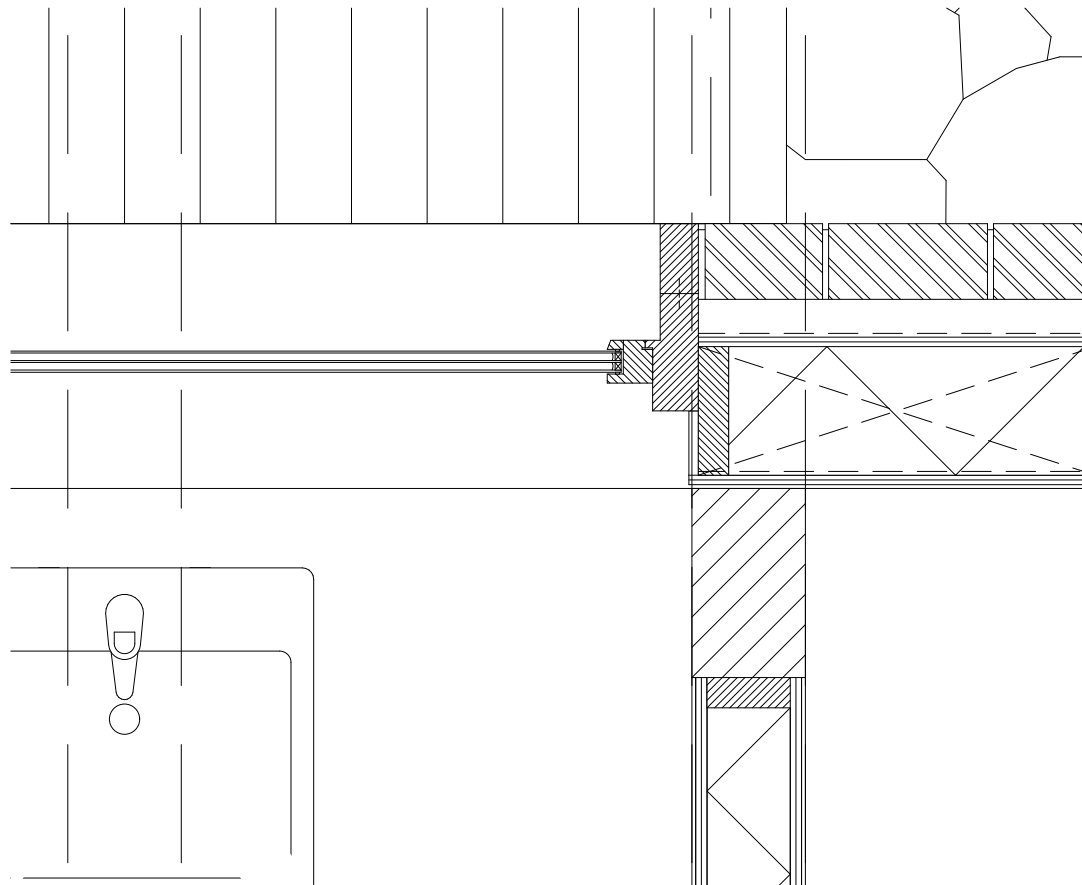
Veranda decking
25 mm oak wood planks anti-slip

Sliding doors
Triple thermal glazing in oak wooden frame

Construction
Oak column 250 x 150 mm

Detailing

Details 1:5



Brick facade to interior horizontal detailing 1:5

Stone outdoor floor
50 mm stone pavings
on 40 mm mortar bed

Seating
25 mm oak wood planks

Triple thermal glazing in wooden frame

Oak wooden frame

Construction

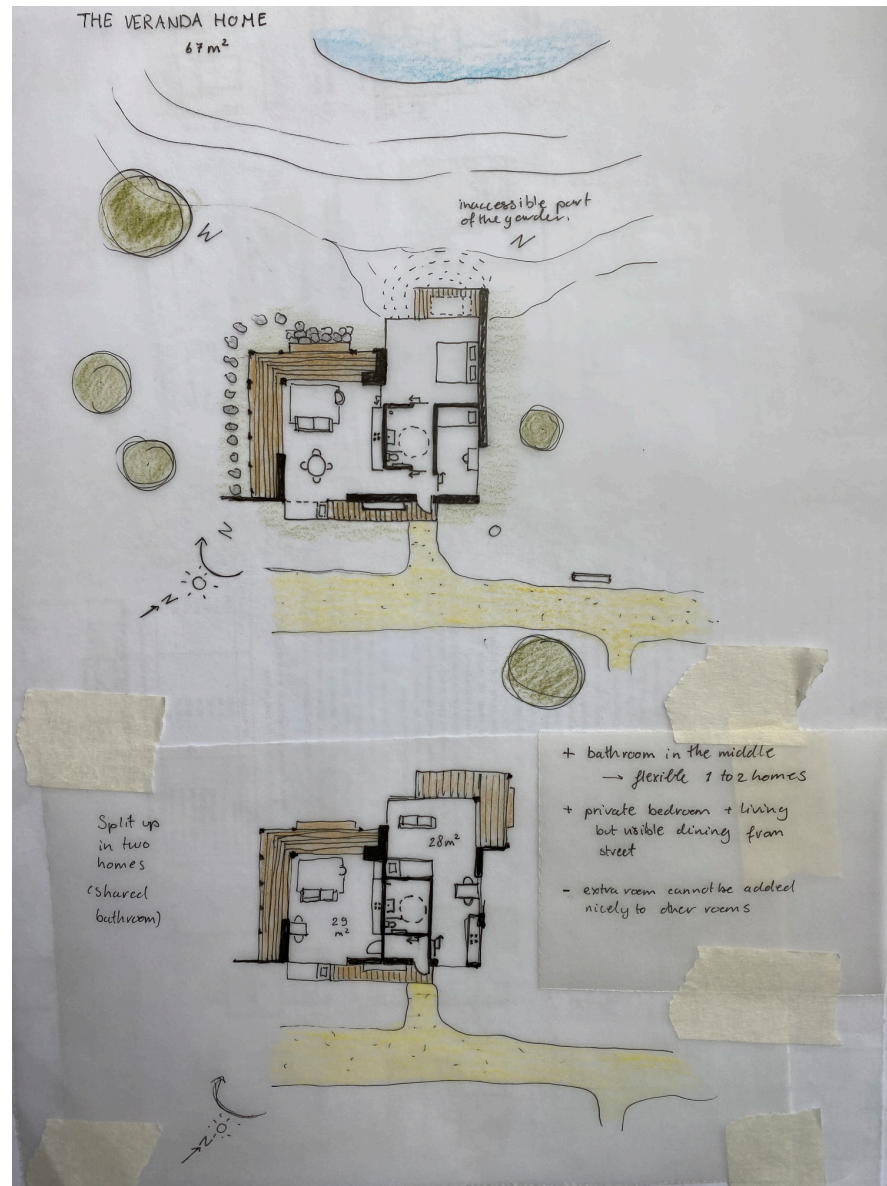
Oak column 250 x 150 mm (in sight)

Interior wall

2 mm Loam plaster
5 mm Base loam
15 mm Fermacell plate
110 mm Kerto LVL T-stud panel
15 mm Fermacell plate
5 mm Base loam
2 mm Loam plaster

The first plan of the veranda home

Community was missing...

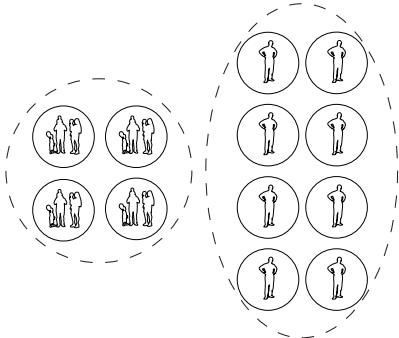


Community sizes

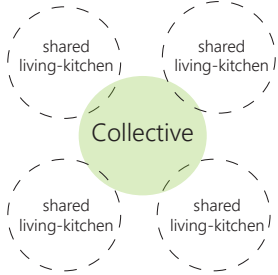
Argumentation

Landelijke Vereniging Centraal Wonen

Vereniging Gemeenschappelijk wonen (2020). Retrieved from: <http://www.gemeenschappelijkwonen.nl/?choice=160>



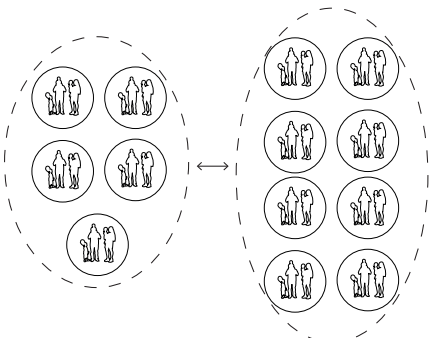
4 households = 1 cluster
 8 Persons = 1 cluster
 1 cluster = one extra shared living-kitchen



4 clusters = (16 households) => +/- 30 - 60 persons around collective space (courtyard, hobby room)

Steunpunt wonen

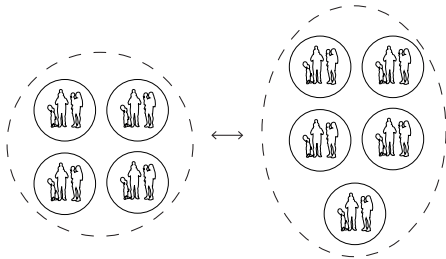
Houte, K. Ryckewaert, M. Delbeke, B & Oosterlynck, S. (2015). Gemeenschappelijk wonen. Steunpunt wonen



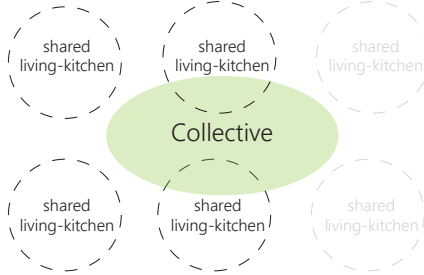
Between 5 and 8 households = 1 cluster
 1 cluster = one extra shared living kitchen

Gewoon Anders: Philip Krabbendam

Krabbendam, P. (2005) Centraal Wonen en de Gated communities. Landelijke Vereniging Centraal Wonen



Between 4 and 5 households = 1 cluster
 1 cluster = one extra shared living kitchen



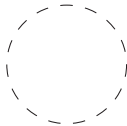
Collective space surrounded by residents < 100 persons



= One household
 1 or 2 Adults with/without children
 (All ages)



= One person
 1 Adult
 (All ages)

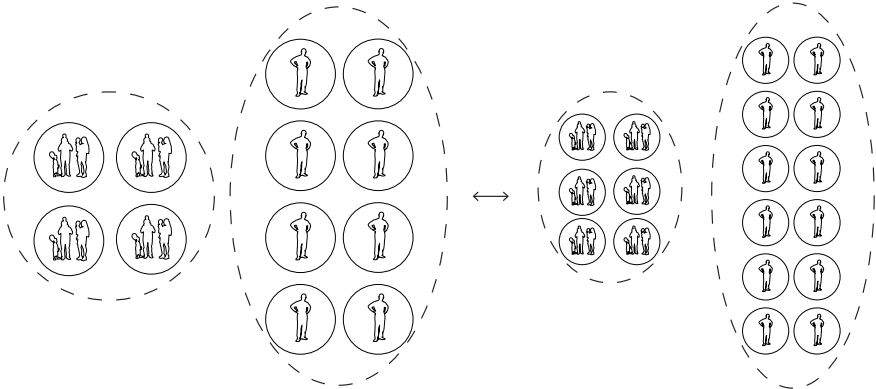


= One cluster
 (All ages)

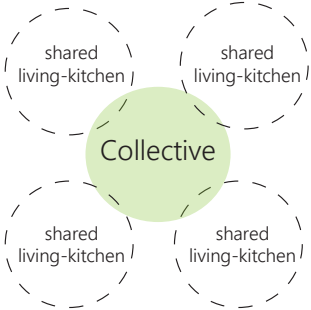
Community sizes

Argumentation

Social forest

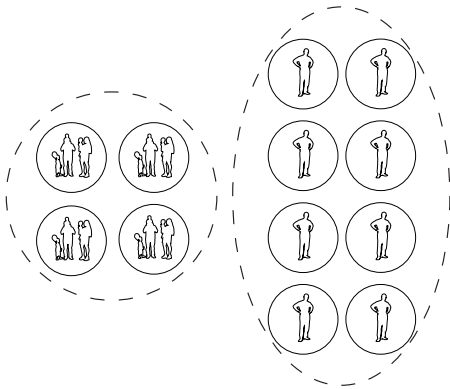


4 - 6 households = 1 cluster
 8 -12 Persons = 1 cluster
 1 cluster = one extra shared living-kitchen

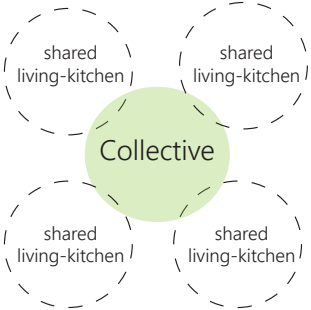


4 clusters = (16 households) => +/- 30 - 65
 persons around collective space
 (garden, courtyard, hobby room)

Sanctuary forest



max. 4 households = 1 cluster
 max. 8 Persons = 1 cluster
 1 cluster = one extra shared living-kitchen



max. 4 clusters = (16 households) => +/- 30
 persons around collective space
 (garden, courtyard, hobby room)

The Veranda Homes

the home and nature gradient
indoors - outdoors

Facing the forest

