

DESIGN BOOKLET

Designing for care in an Inclusive Environment
Ellen Kieft

Name: Ellen Kieft
Student-number: 4645308
Telephone-number: 0614565323
Email adress: ellen.kieft@hotmail.com

Graduation studio: AR3AD133 - Designing for care in an inclusive environment
Delft University of Technology

Mentor Architecture: Birgit Jurgenhake
Mentor Building Technology: Paddy Tomesen
Third mentor: Mo Sedighi
Exam commission: Ype Cuperus

First version: 7 July 2020

ORGANIZATION

PROJECT

This project can be sub-categorized into three phases; fieldwork, research and design.

This booklet contains the design with all the drawings.

The image below shows how the project is organized.

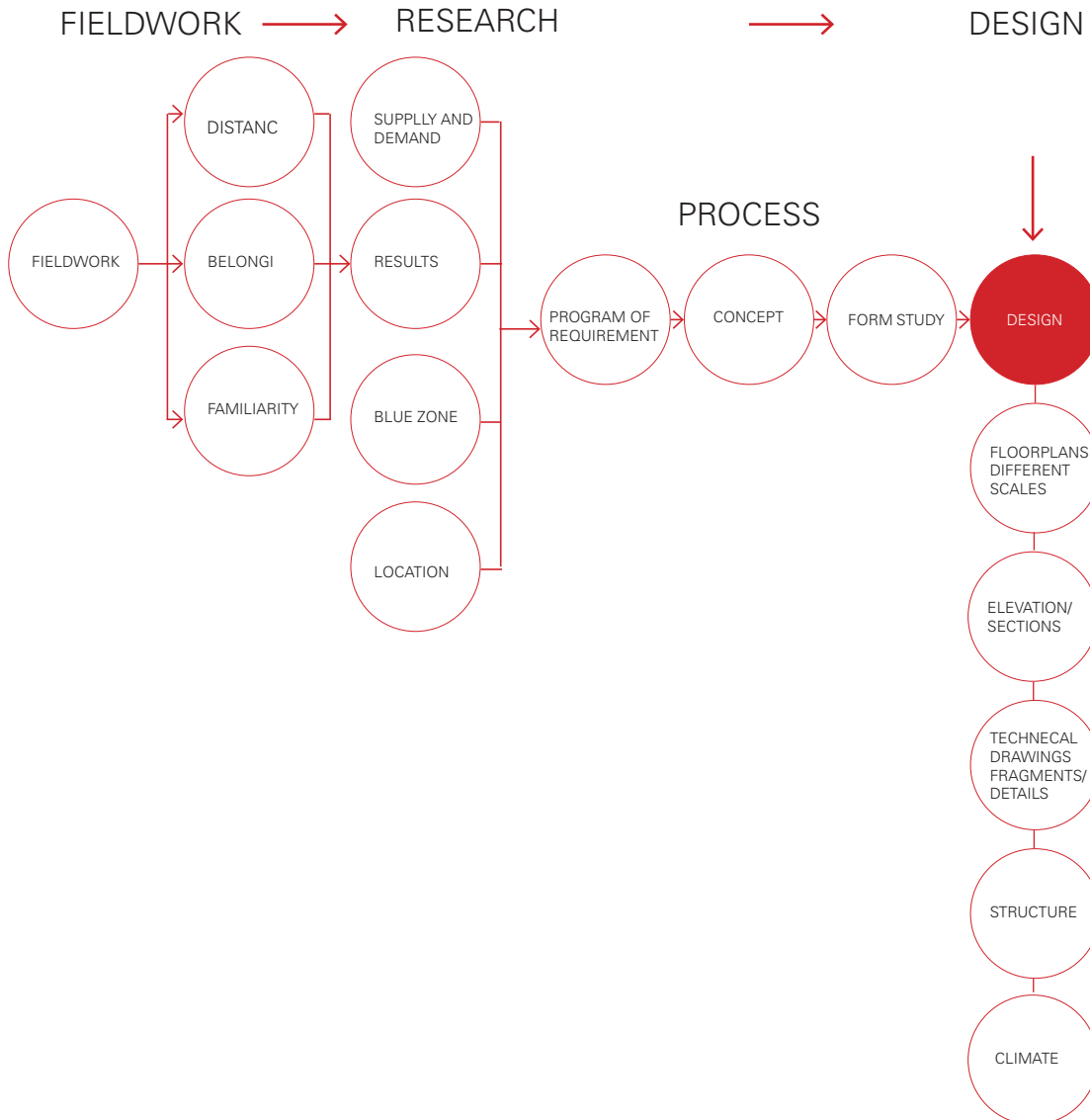


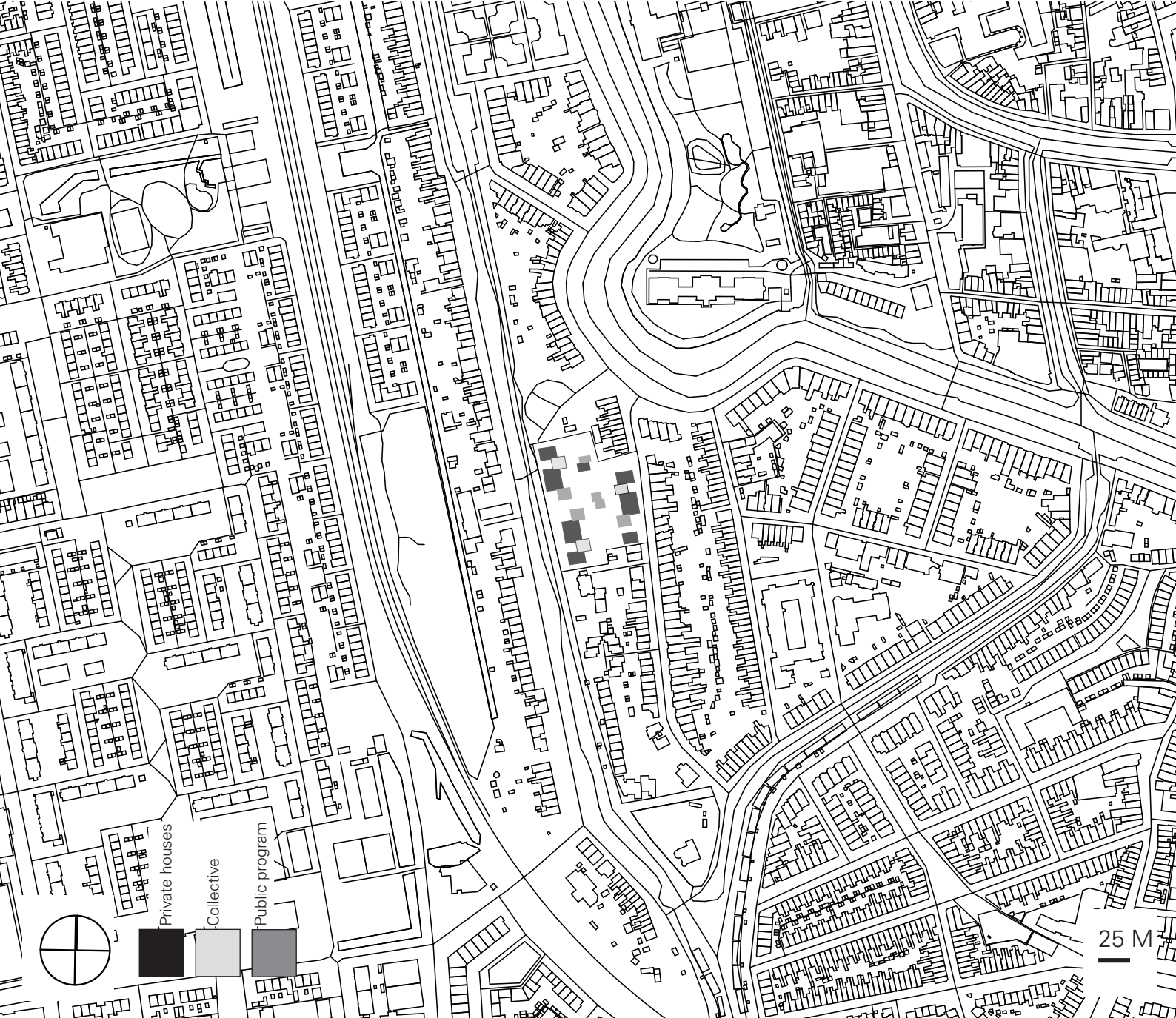
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NEIGHBOURHOOD

SITE

1:5000





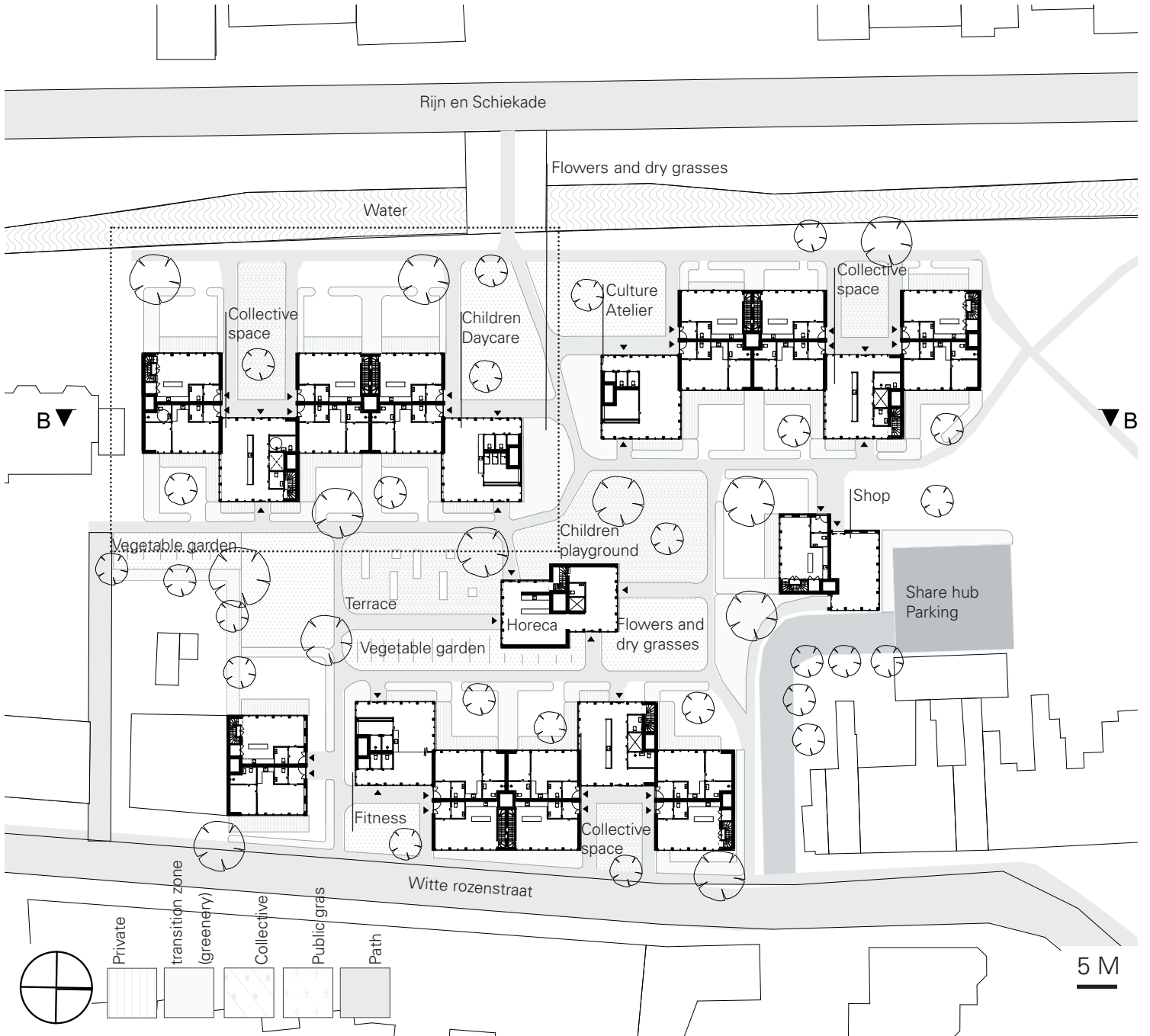
MASTERPLAN

1:500



MASTERPLAN

1:500





REDUCING DISTANCE BETWEEN NEIGHBOURHOODS

1:200





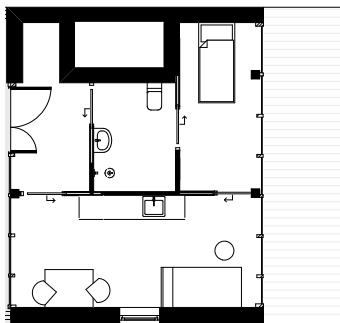


BUILDING

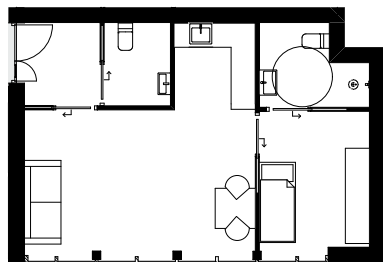
UNITS

1:100

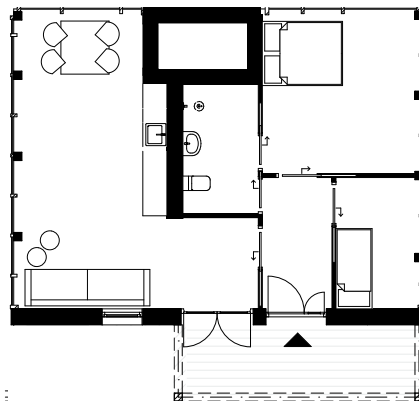
XS 36 M²



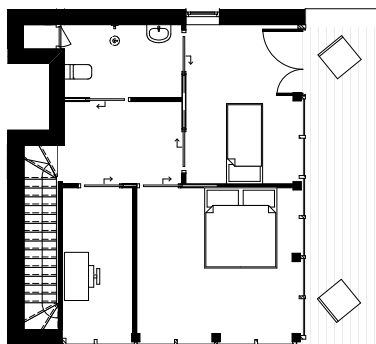
S 48 M²



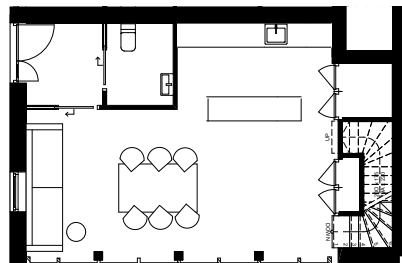
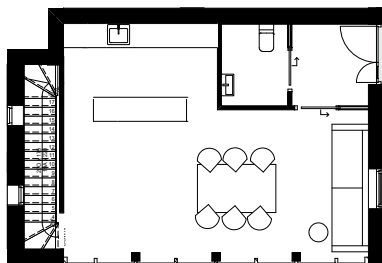
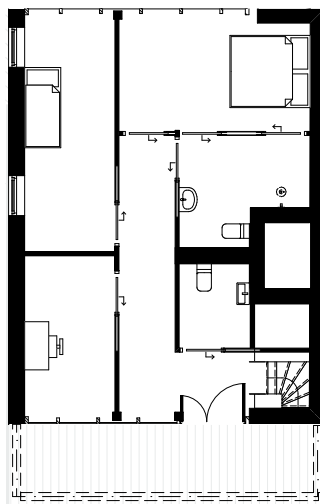
M 80 M²



L 96 M²



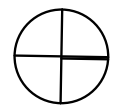
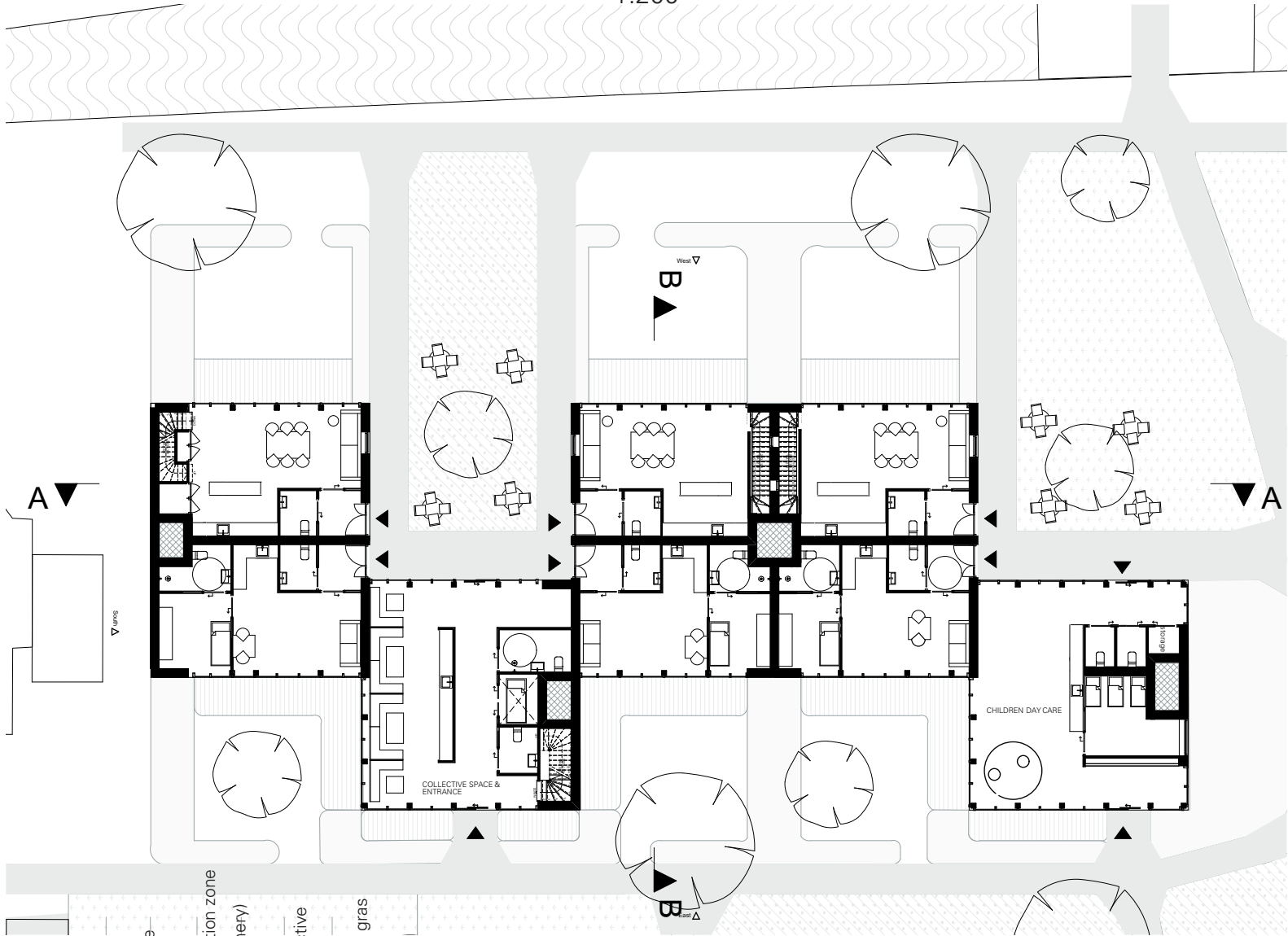
XL 128 M²



1 M

GROUND FLOOR

1:200



Private



transition zone
(greenery)



Collective



Public gras



Path

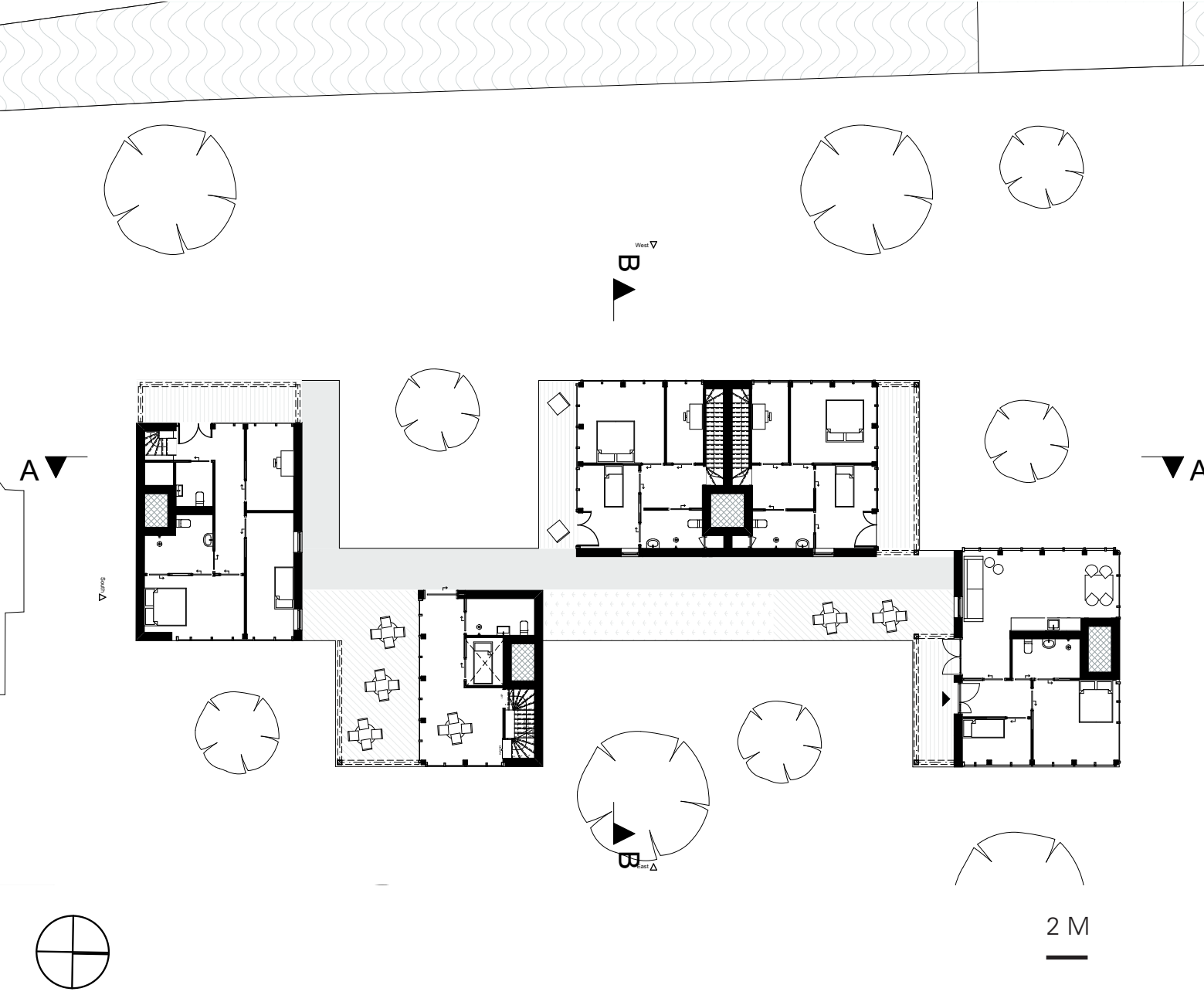




2 M

FIRST FLOOR

1:200

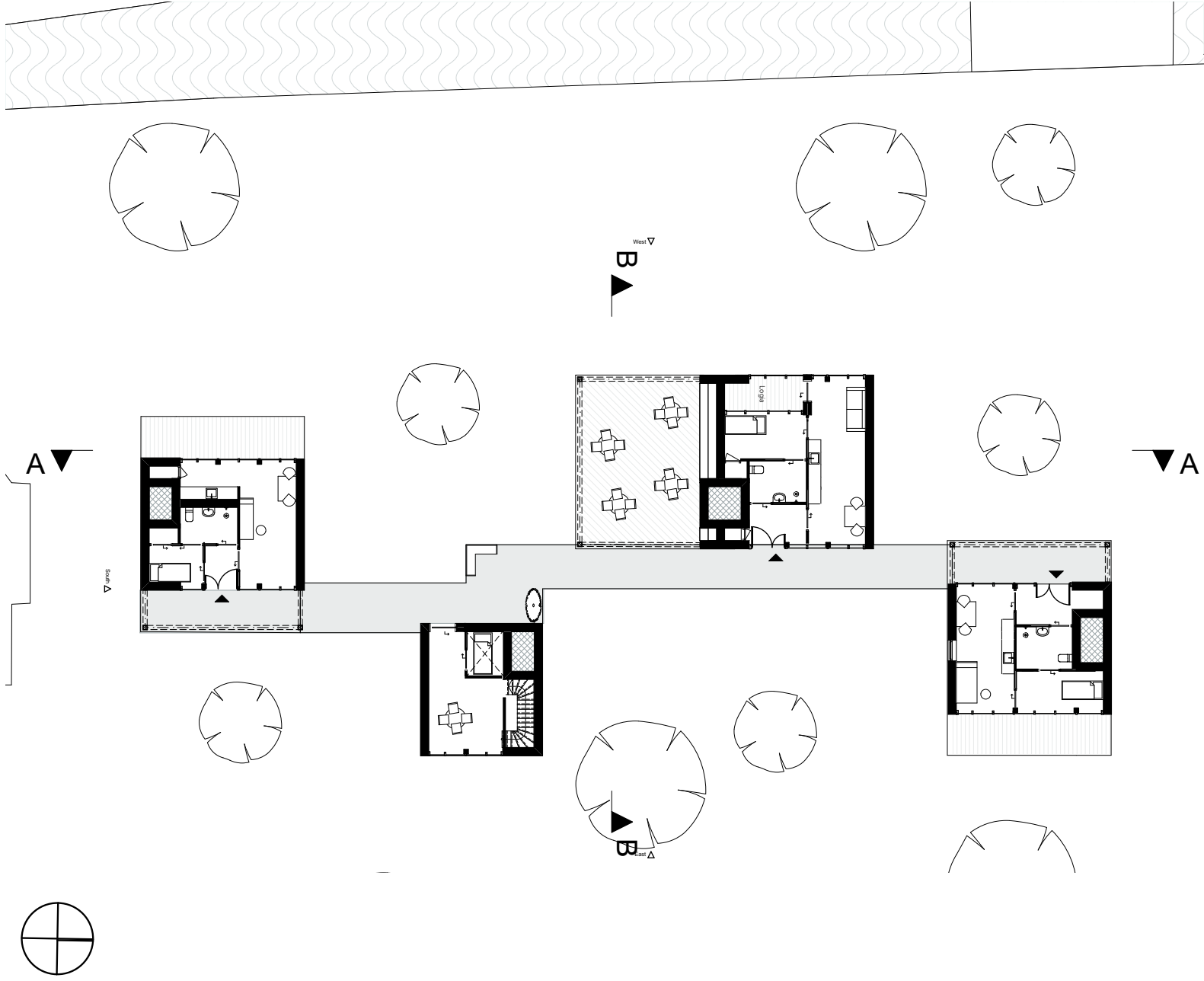


2 M



SECOND FLOOR

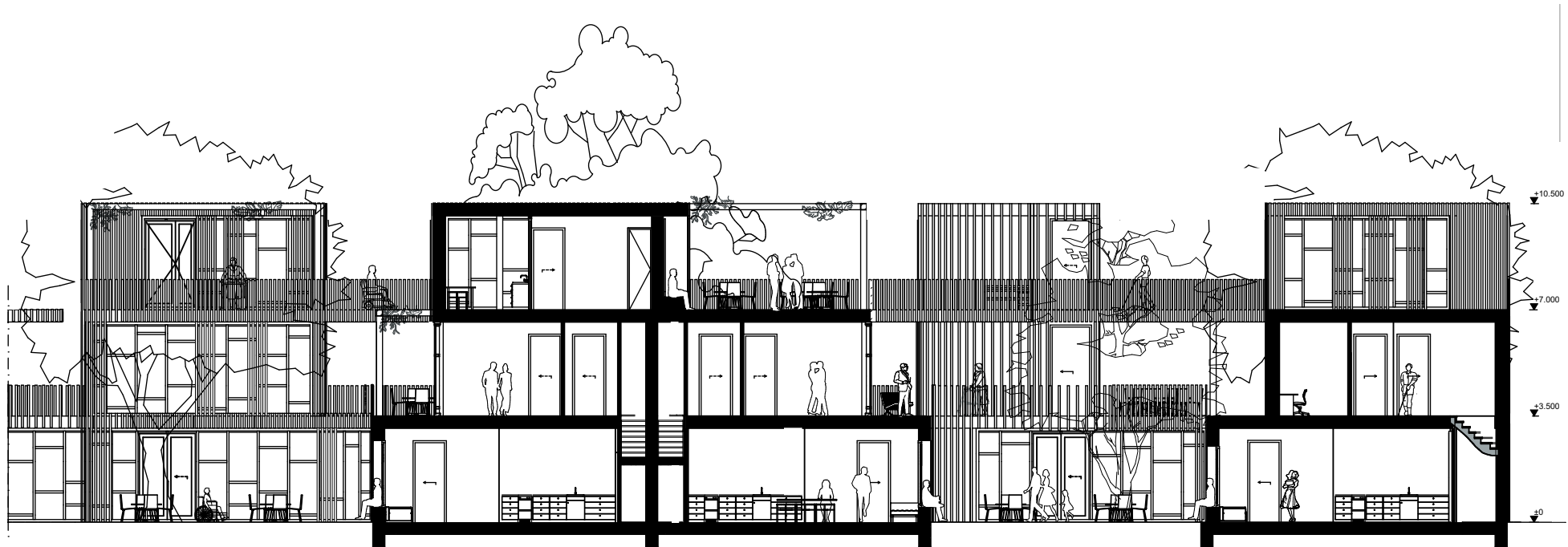
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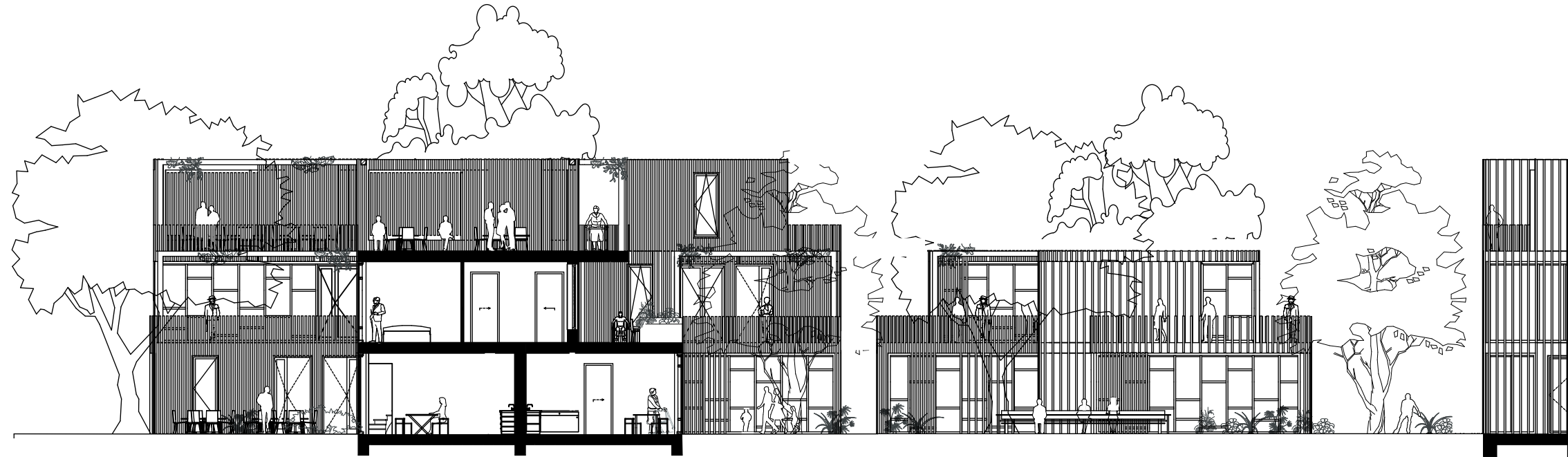
SECTION A

1:200



SECTION B

1:200



ELEVATION

1:200

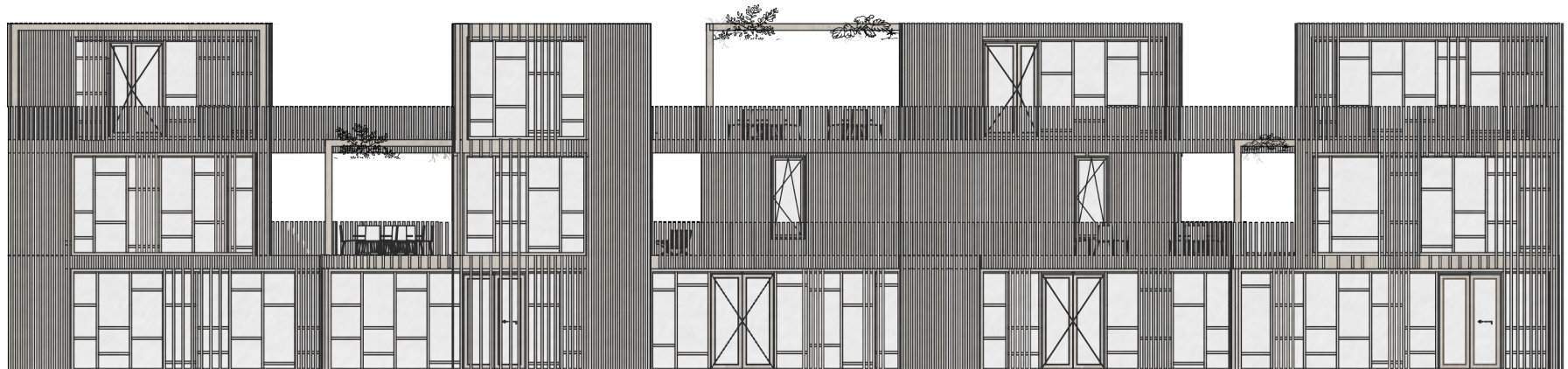
WEST



ELEVATION

1:200

EAST



ELEVATION

1:200

NORTH

SOUTH

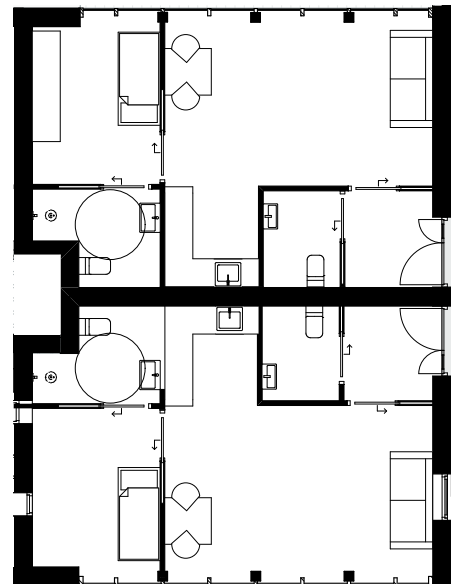
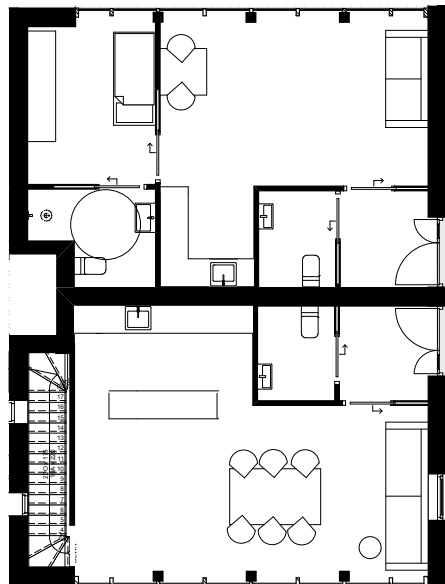
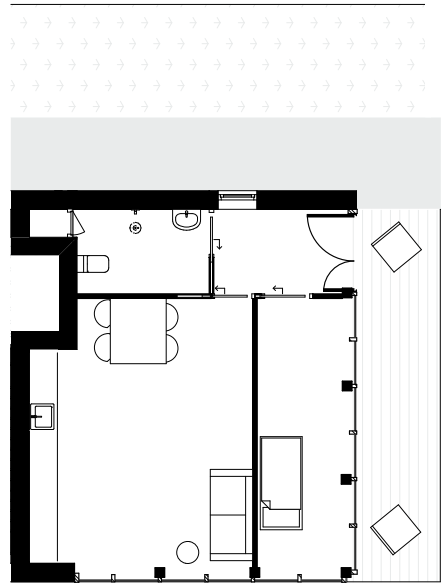
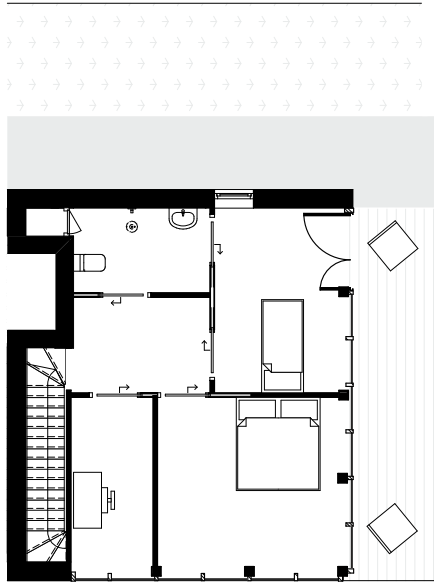


MATERIAL PORTRAIT



FLEXIBILITY IN THE FUTURE

1:100



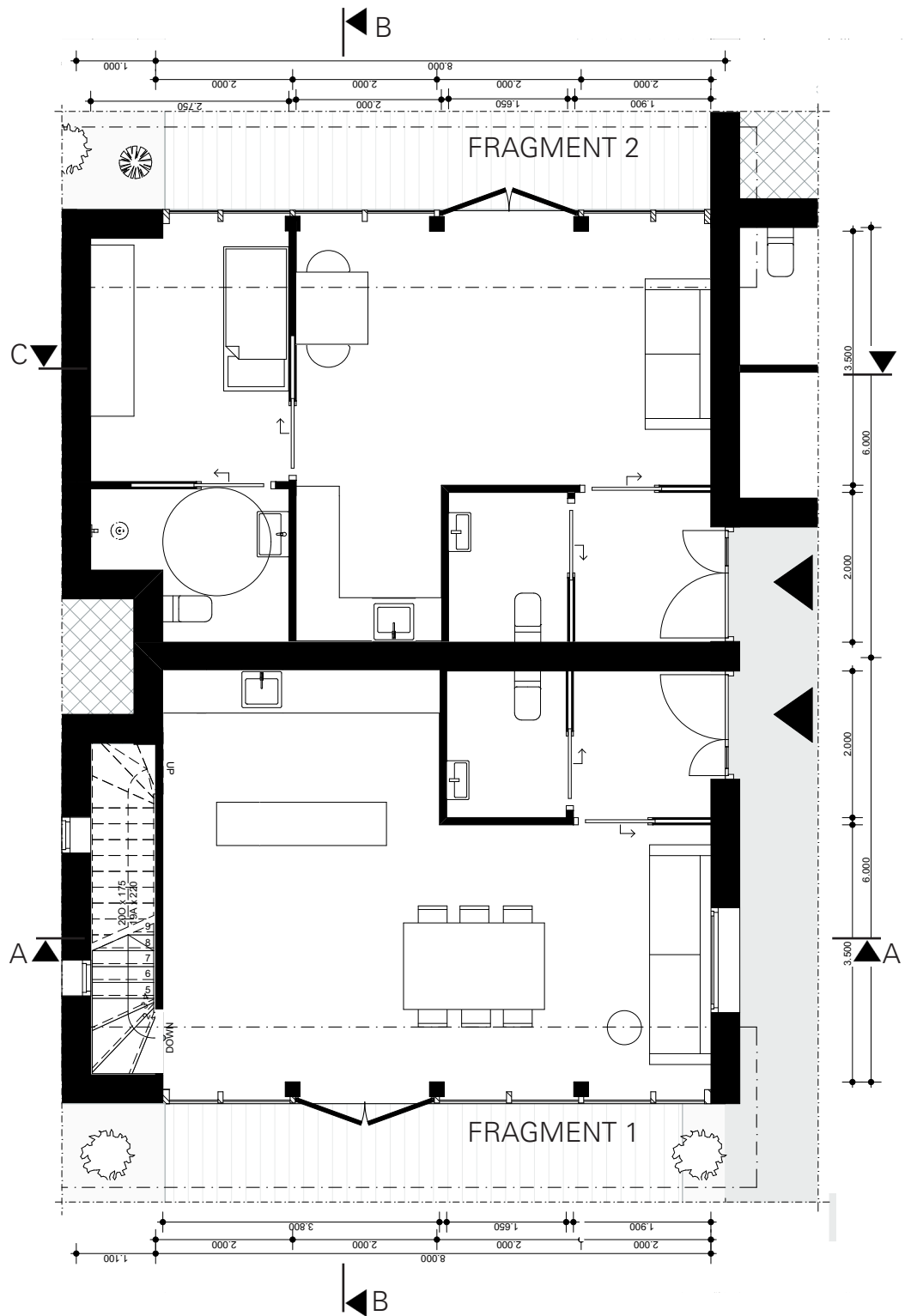
1 M



HOUSE

SECTION PLAN

1:50

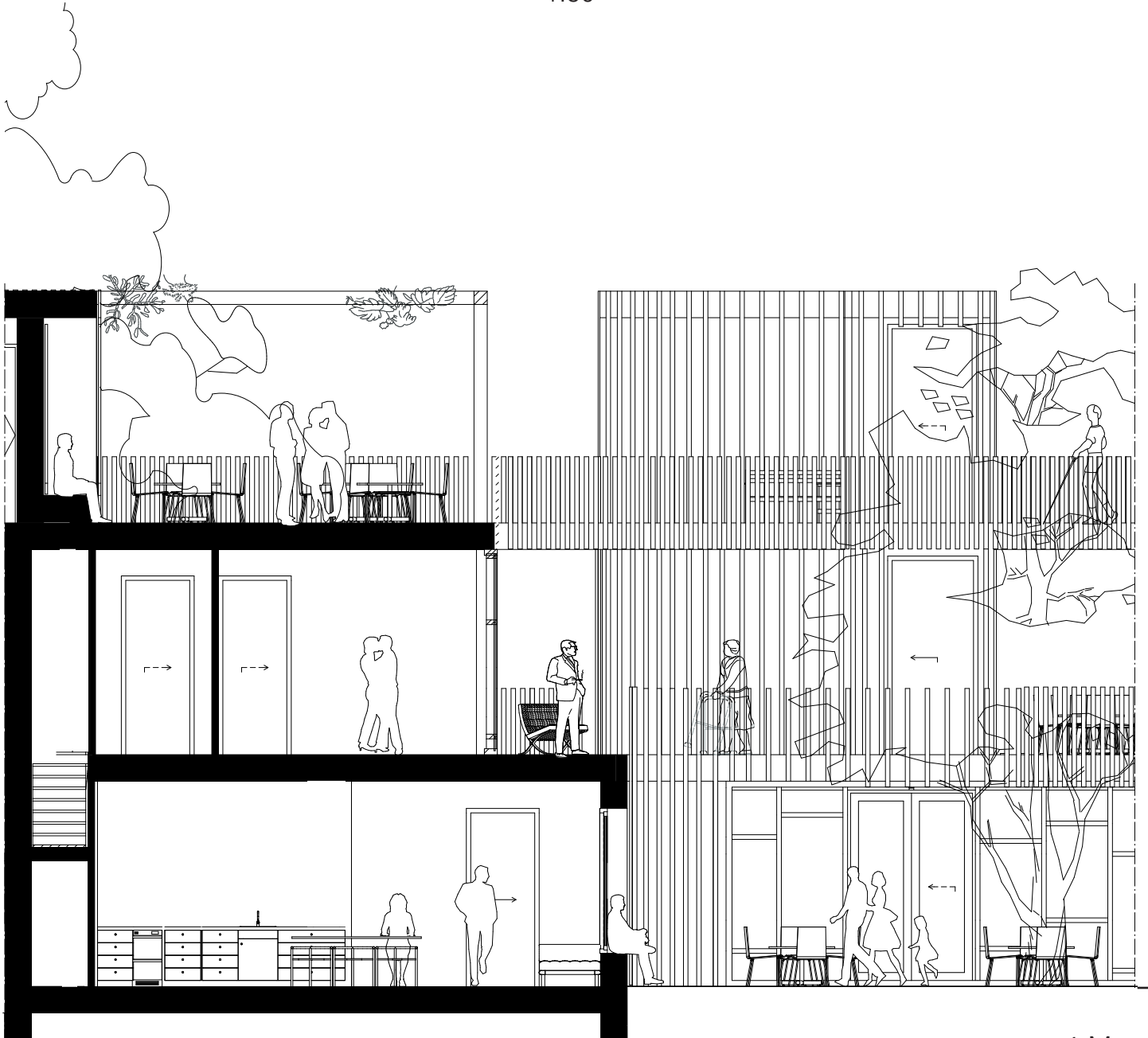






SECTION A

1:50



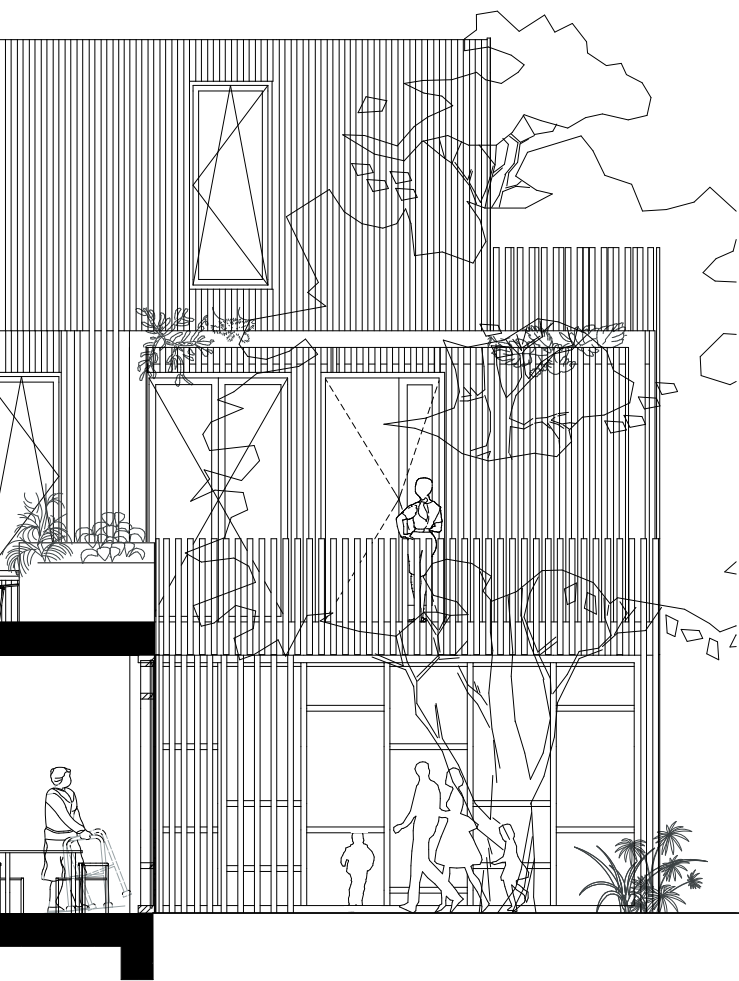
1 M



SECTION B

1:50





▼ + 10.500

▼ + 10.095

▼ + 7.000

▼ + 6.595

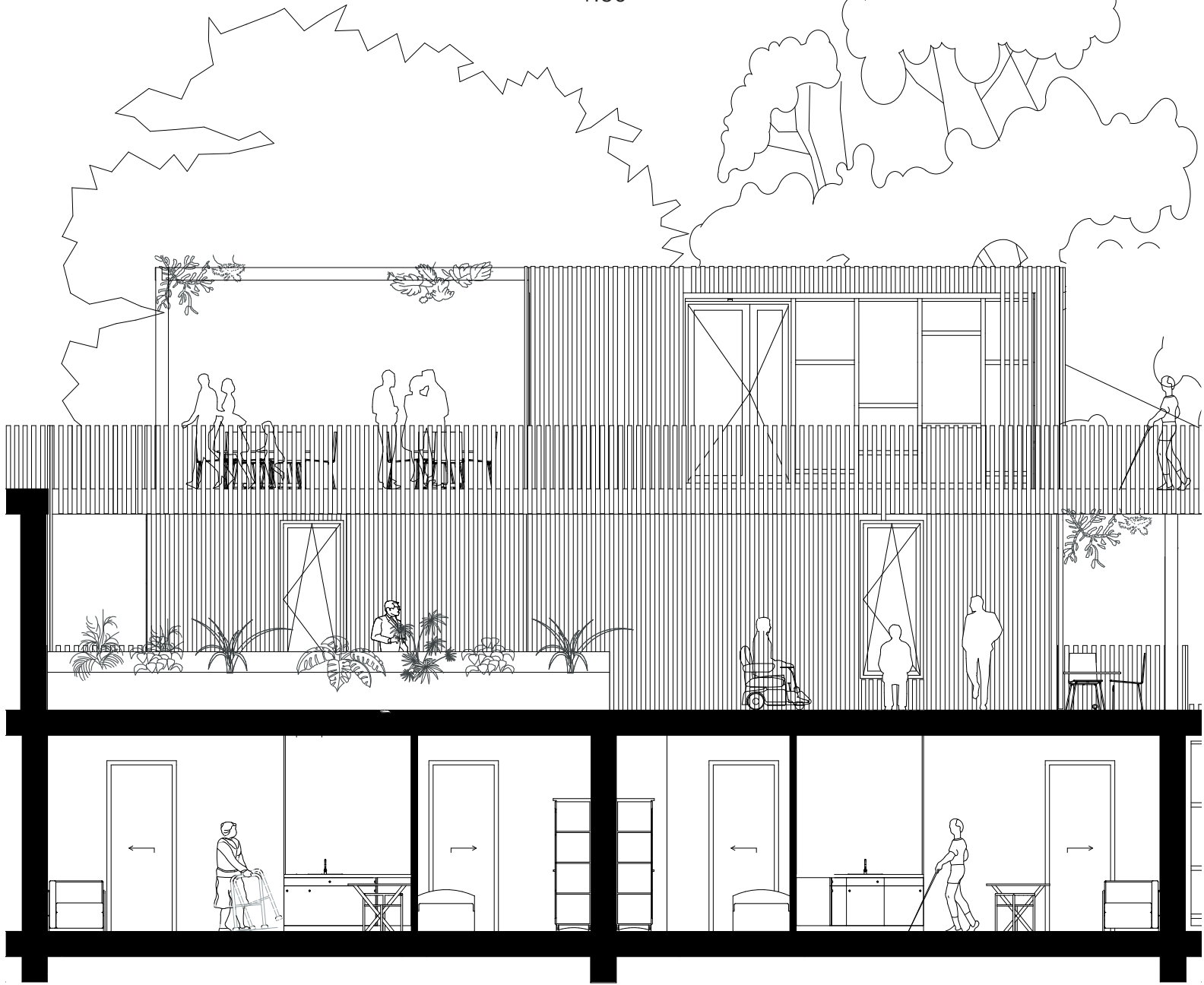
▼ + 3.500

▼ + 3.095

▼ Peil = 0

SECTION C

1:50

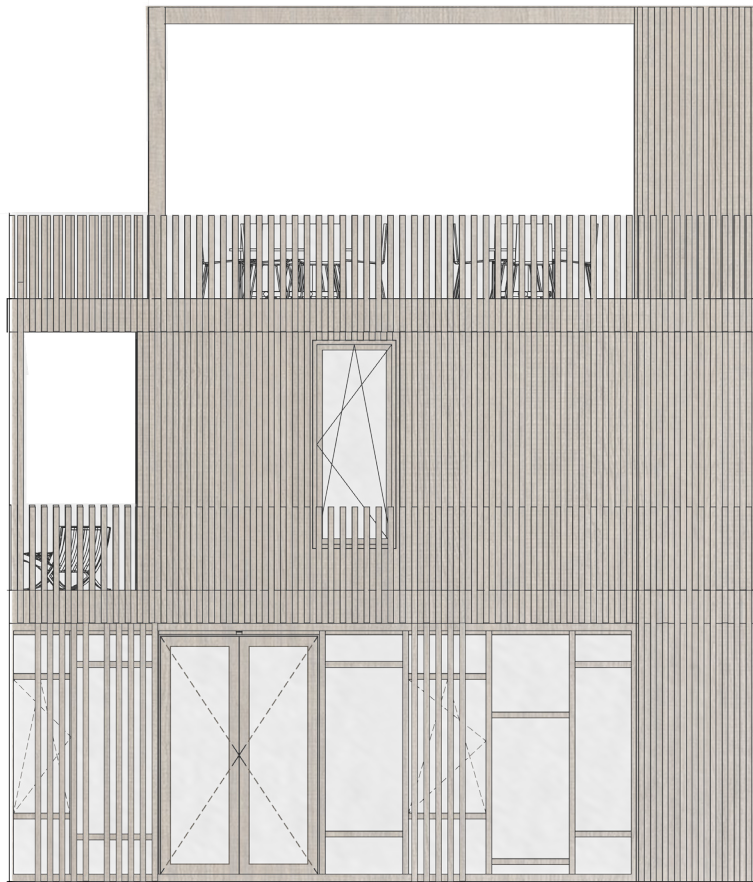


1 M



ELEVATION

1:50



FACADE SECTION EAST

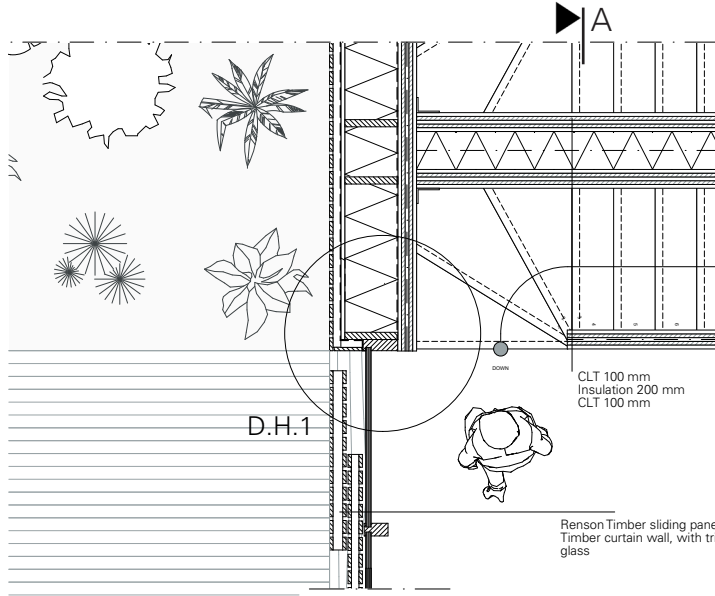


FACADE SECTION WEST

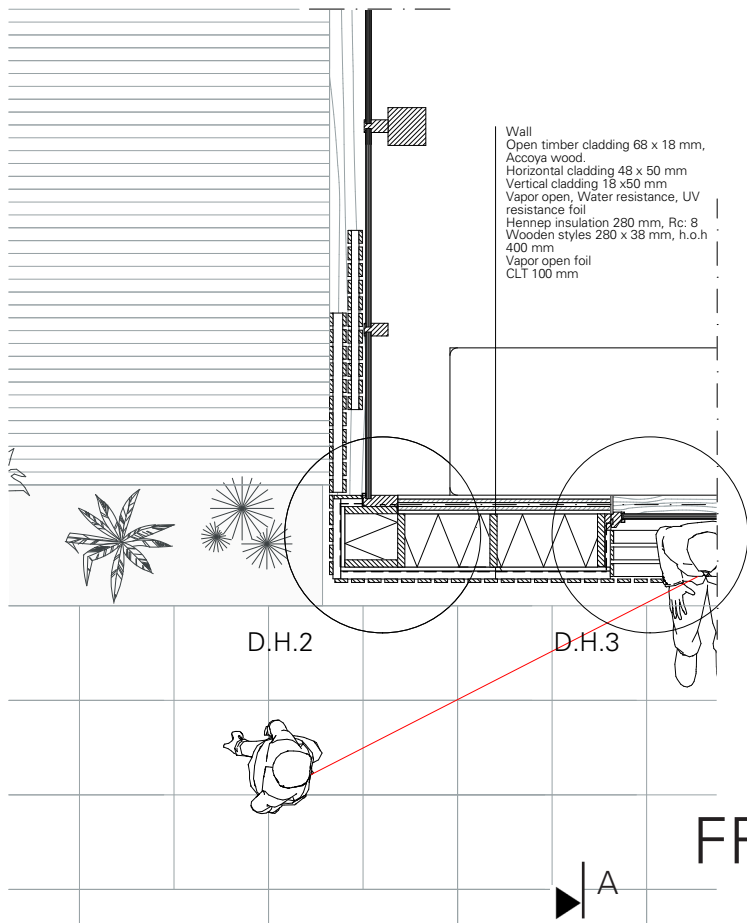
1 M



FRAGMENTS



B ▲

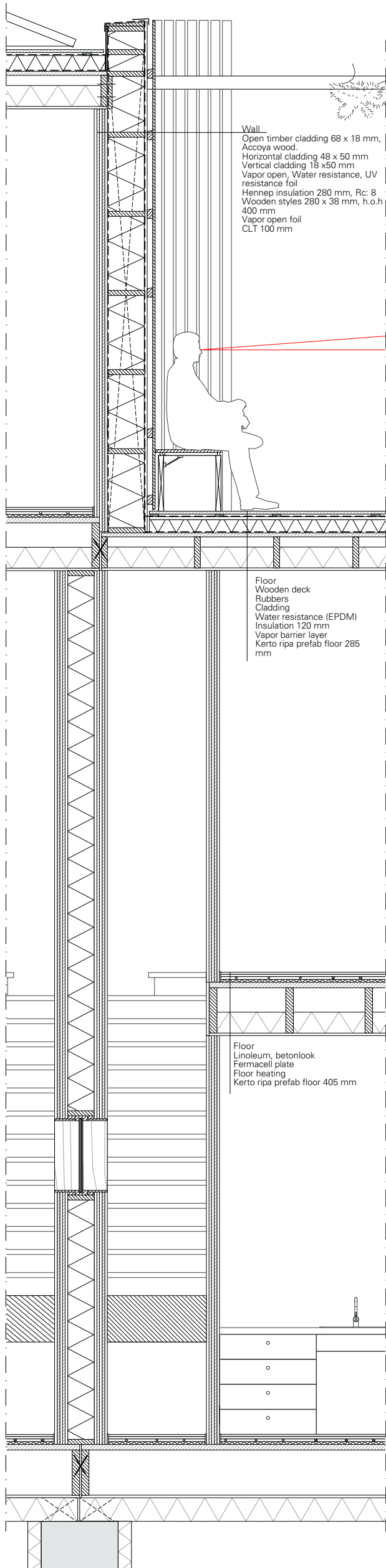


▲ B

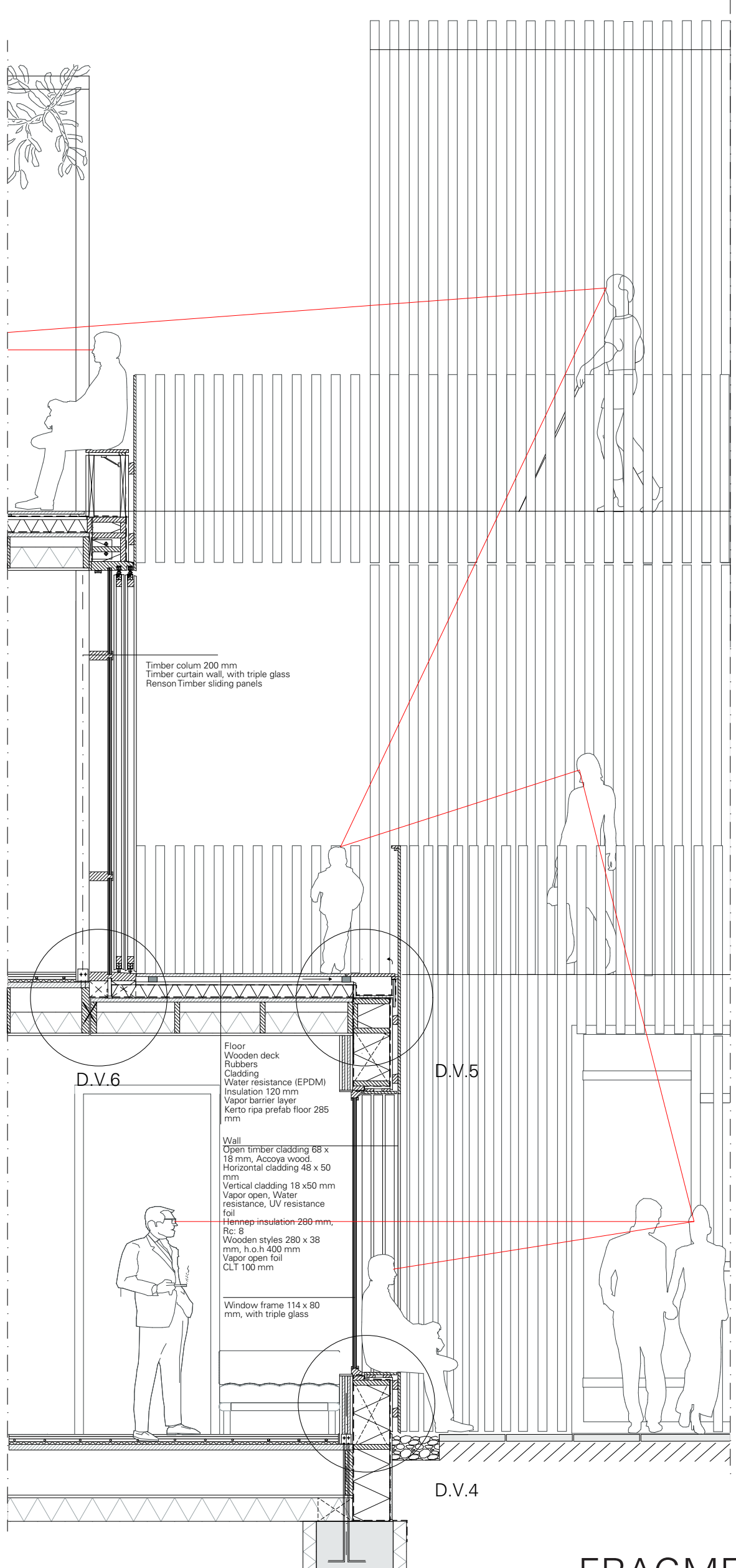
▶ A

FRAGMENT 1

1:20

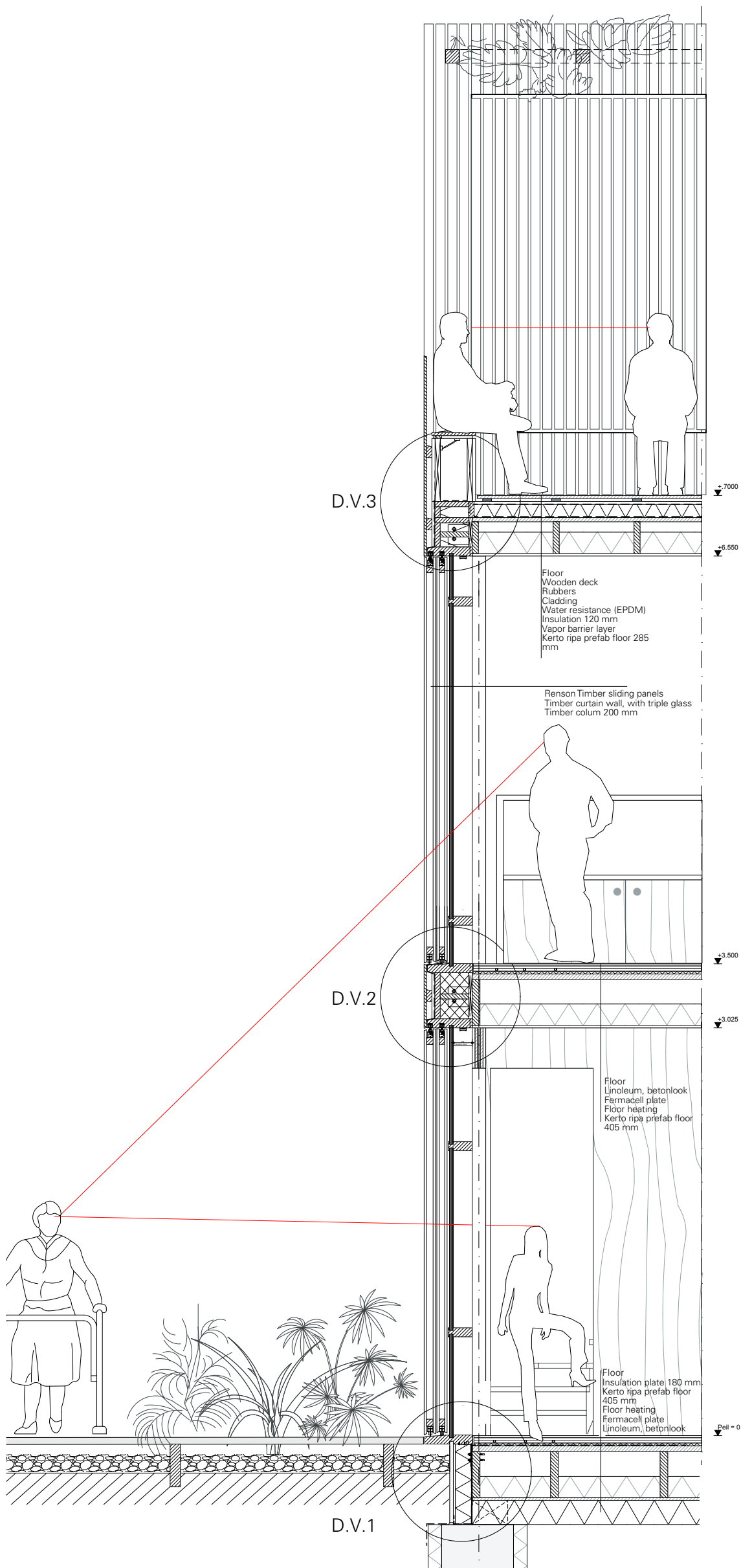


SECTION A FRAGMENT

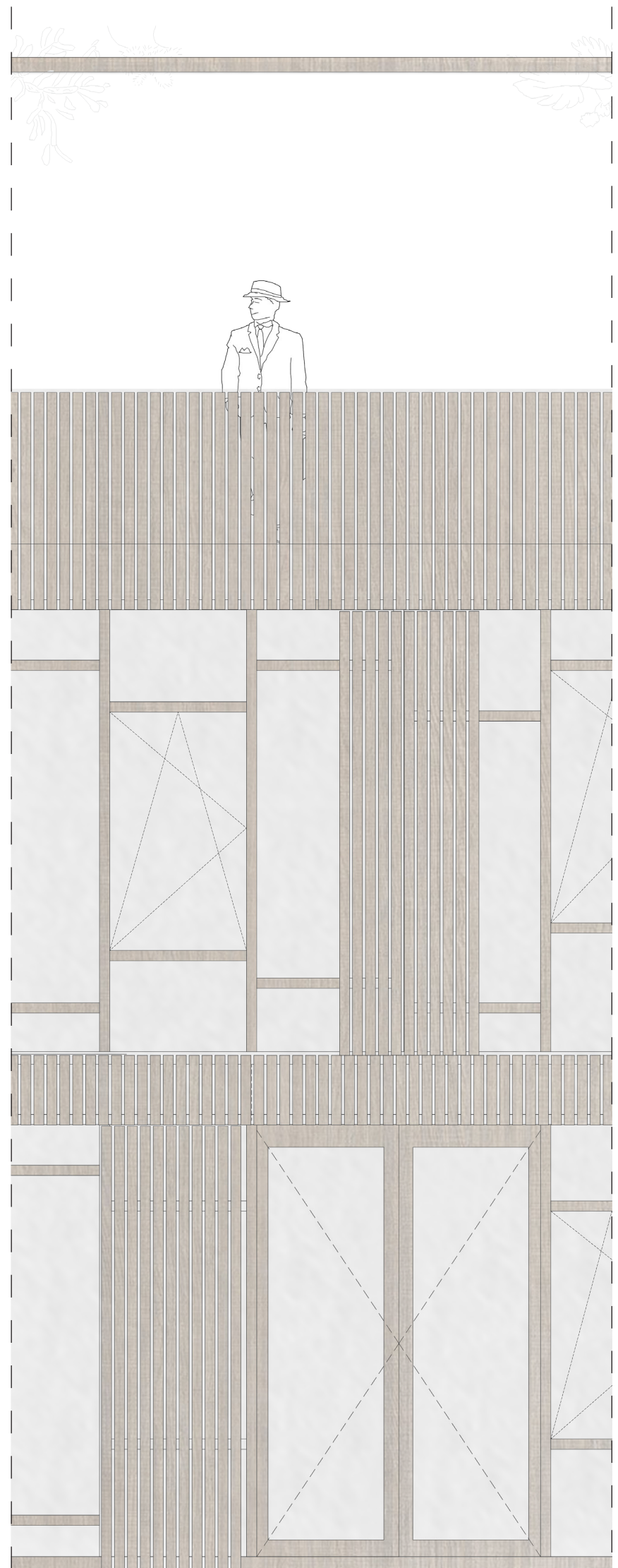


FRAGMENT 1

1:20



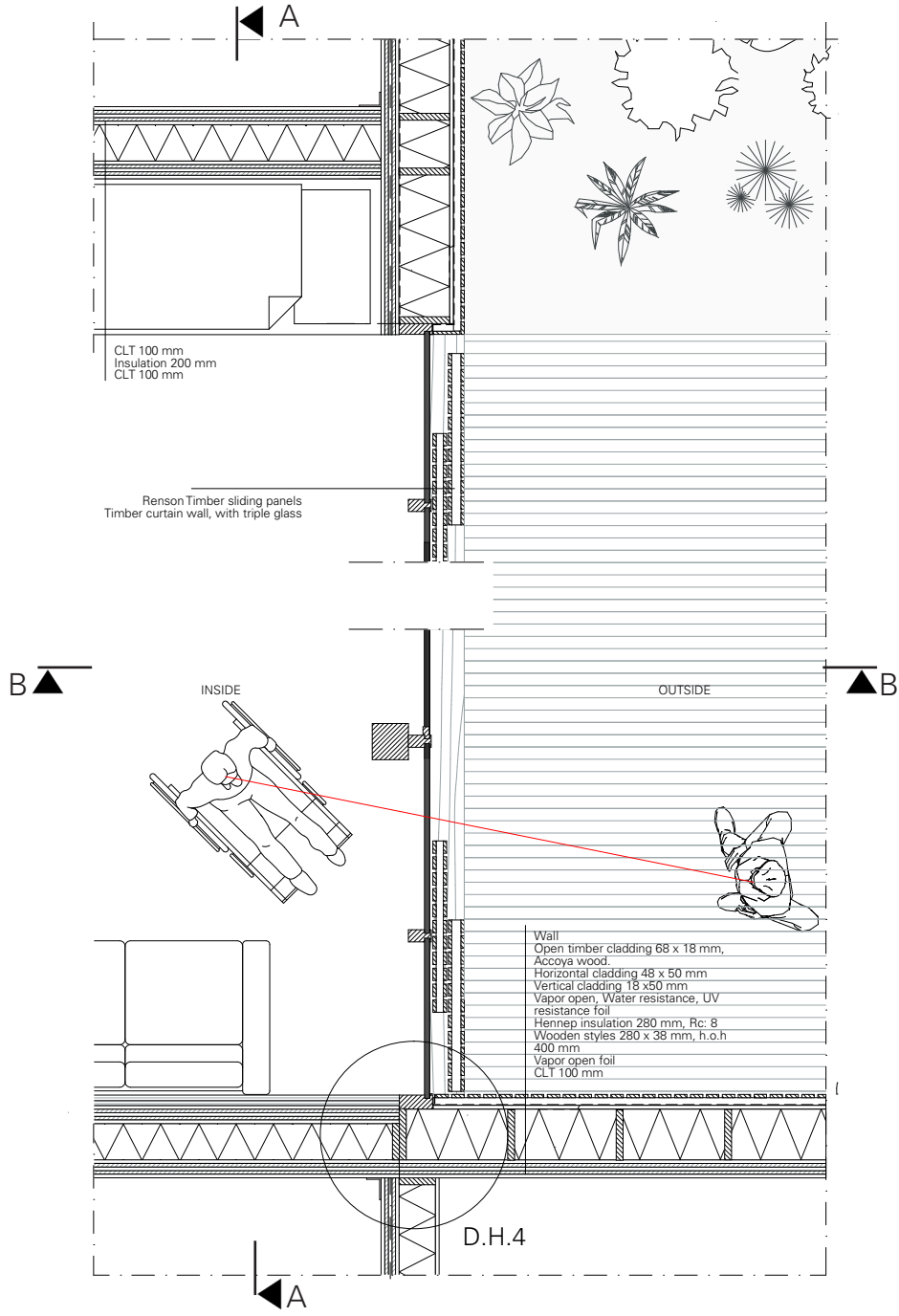
SECTION B FRAGMENT



ELEVATION FRAGMENT

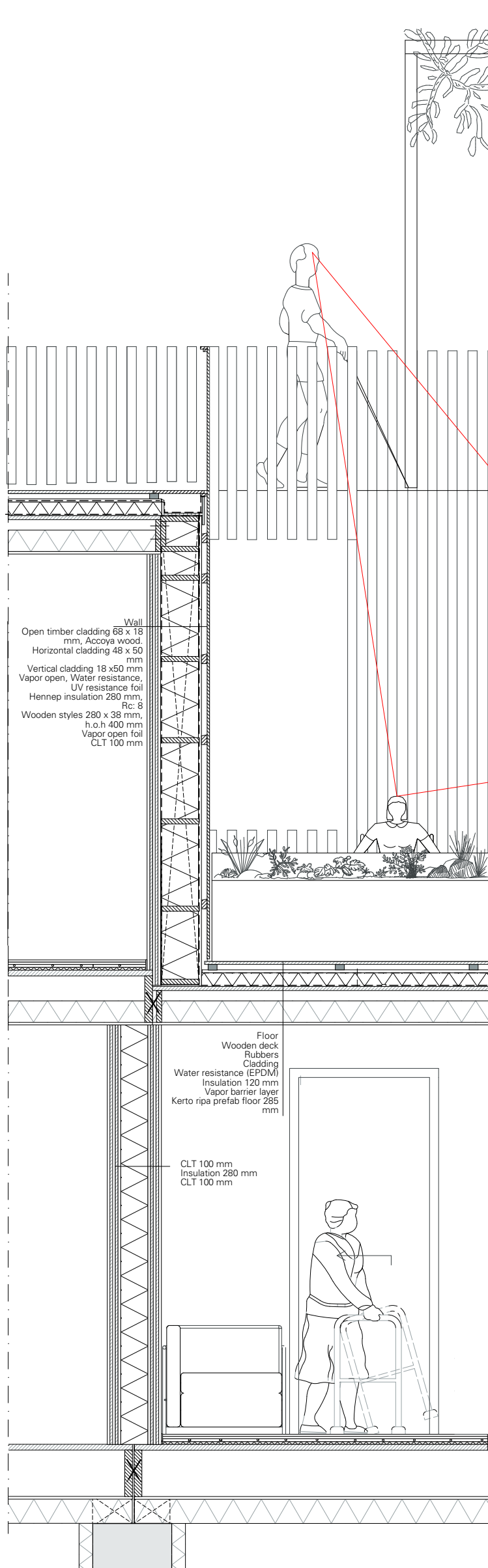
FRAGMENT 1
1:20



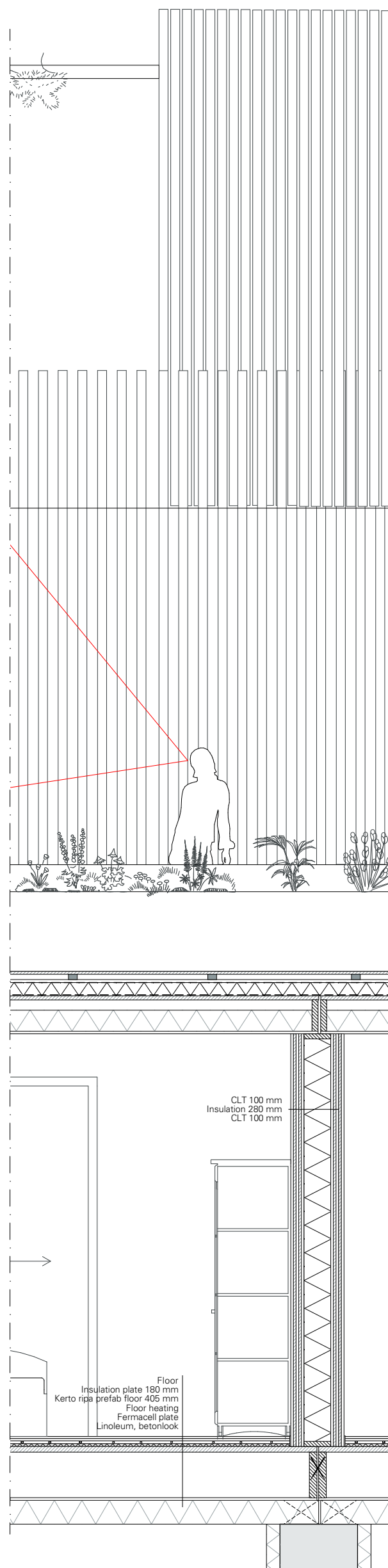


FRAGMENT 2

1:20



SECTION A FRAGMENT



FRAGMENT 2

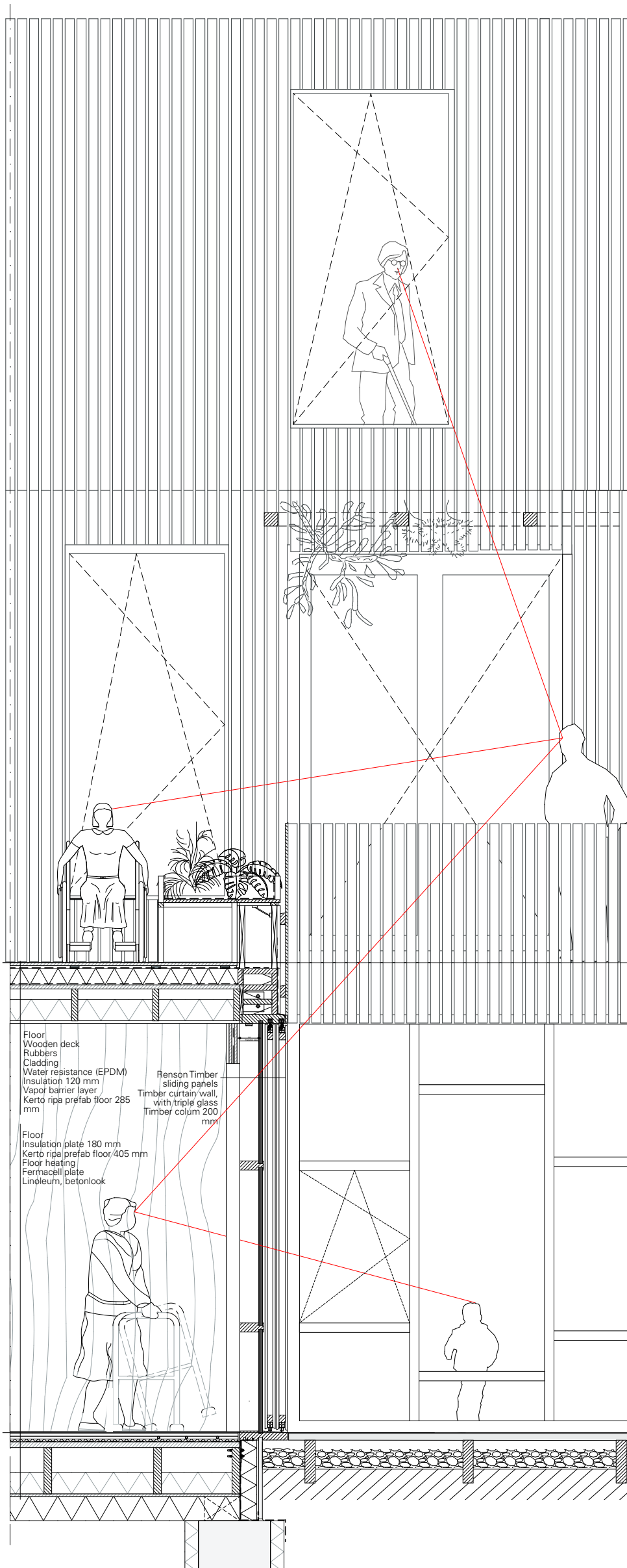
+ 7.000

+ 6.529

+ 3.500

+ 3.029

Fell = 0



SECTION B FRAGMENT

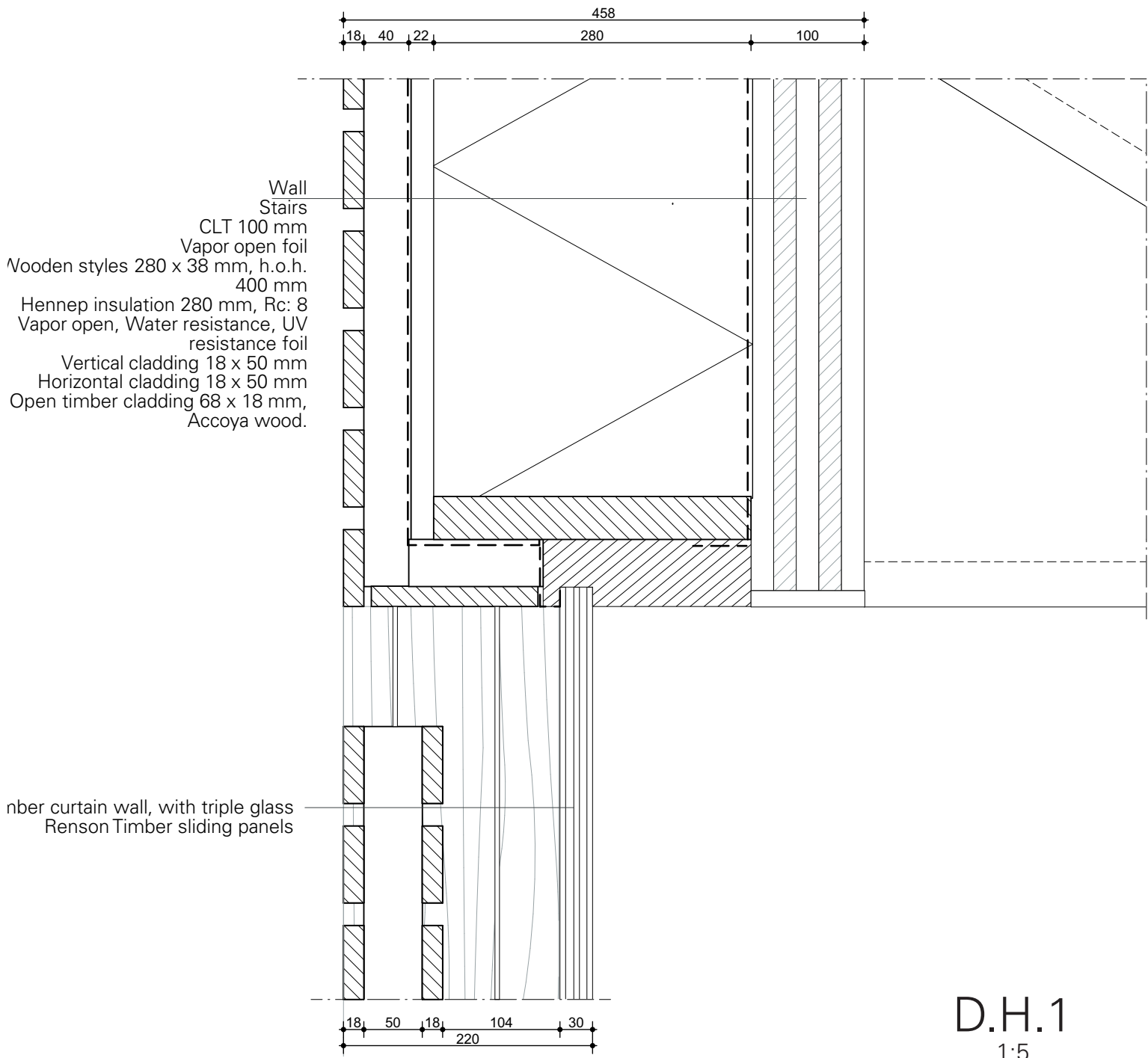


ELEVATION FRAGMENT

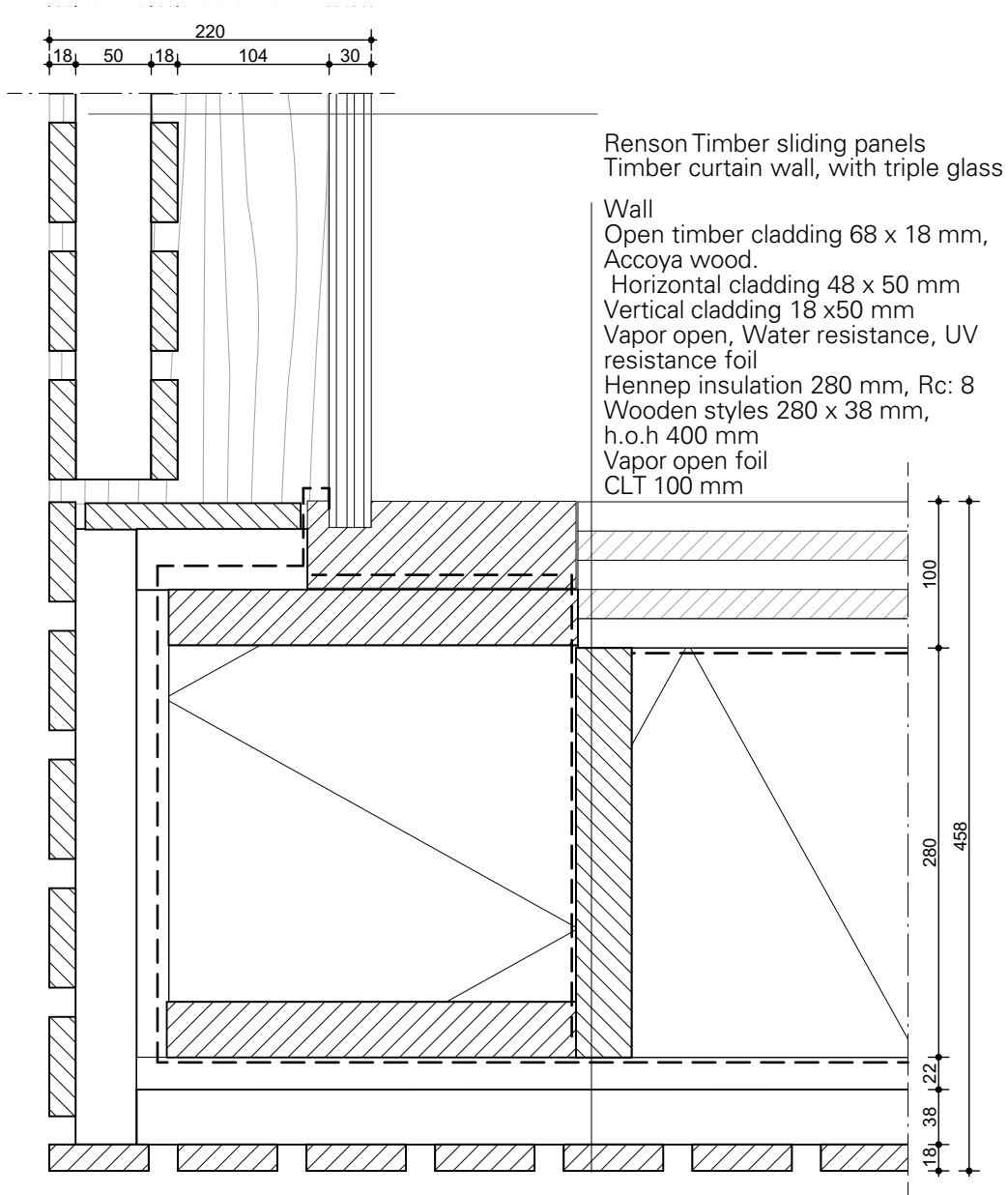
FRAGMENT 2

1:20

DETAILS



D.H.1
1:5

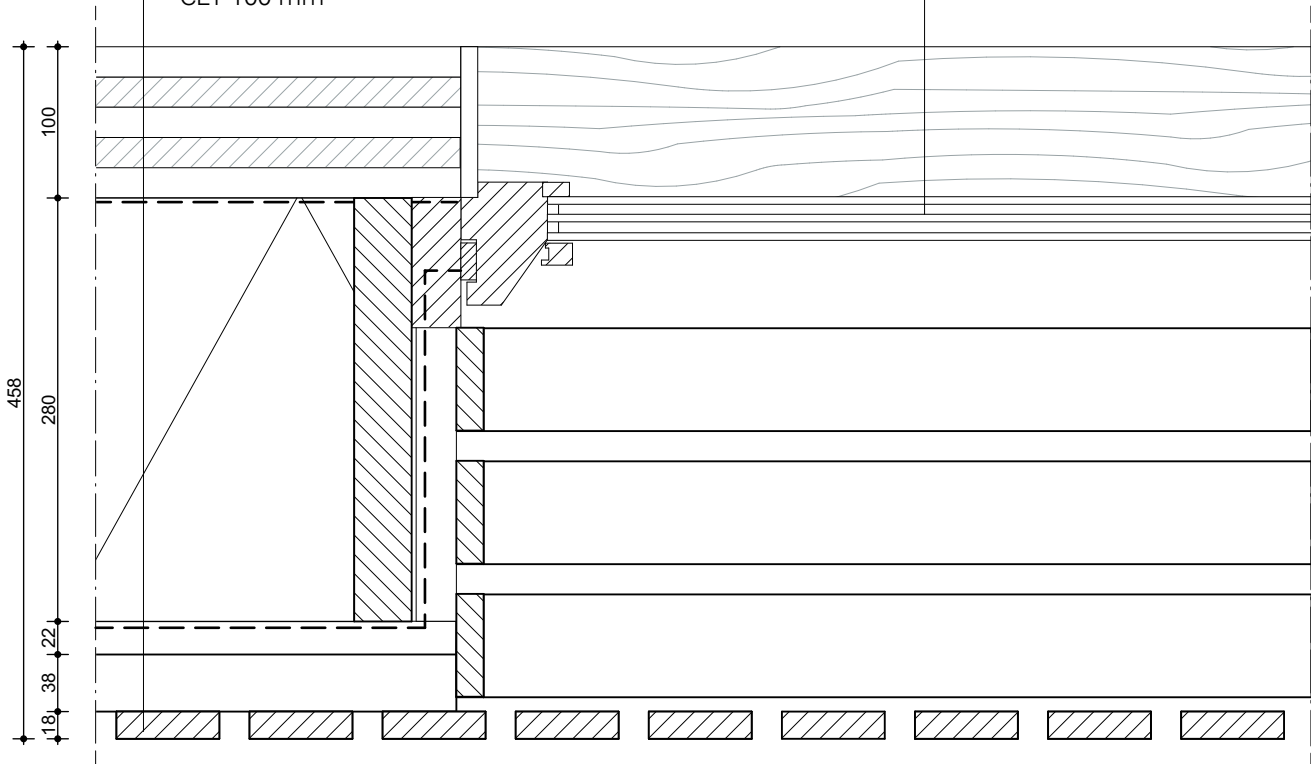


D.H.2

1:5

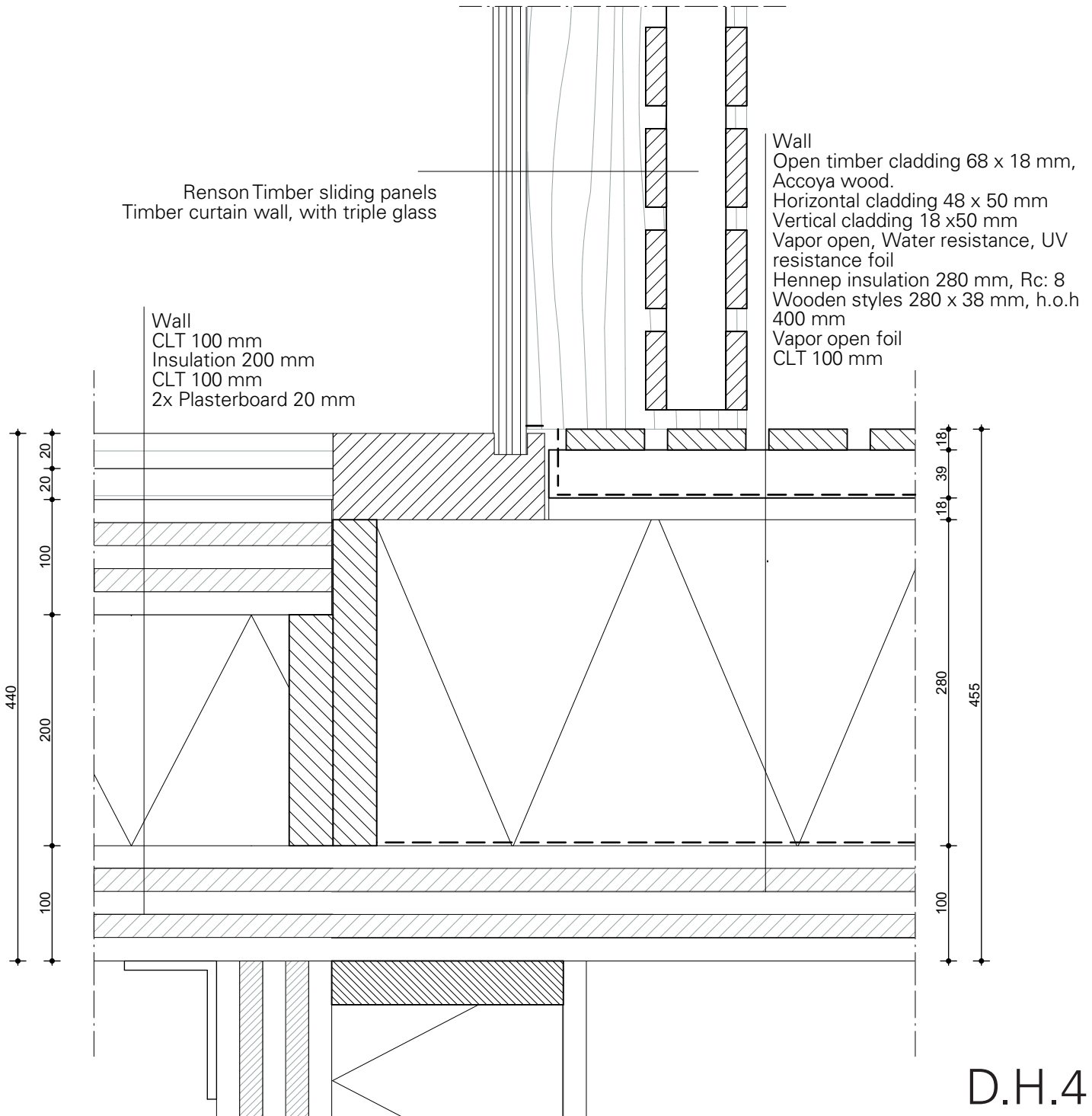
Wall
Open timber cladding 68 x 18 mm, Accoya wood.
Horizontal cladding 48 x 50 mm
Vertical cladding 18 x 50 mm
Vapor open, Water resistance, UV resistance foil
Hennep insulation 280 mm, Rc: 8
Wooden styles 280 x 38 mm, h.o.h 400 mm
Vapor open foil
CLT 100 mm

Window frame 114 x 80 mm,
with triple glass



D.H.3

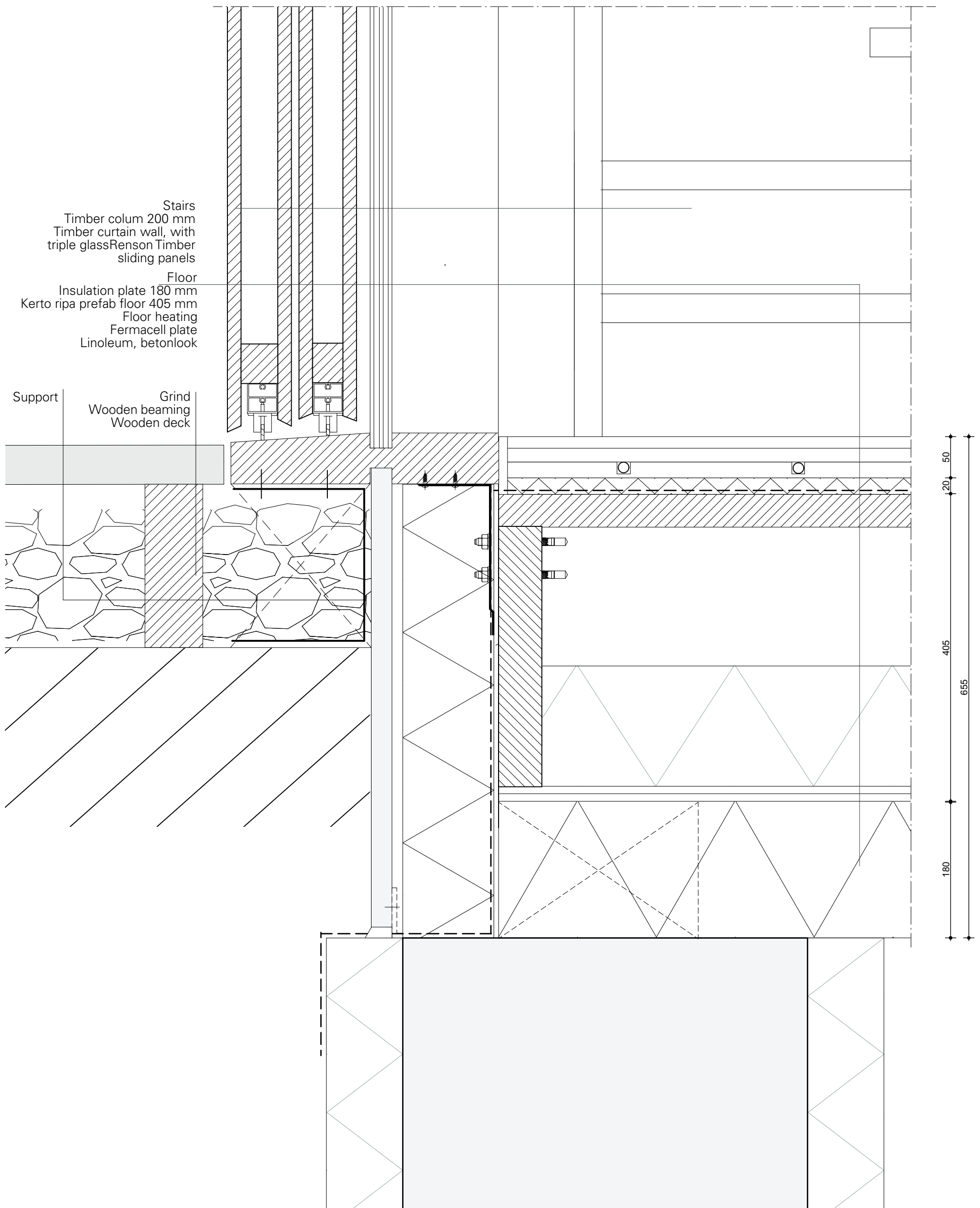
1:5



D.H.4

1:5

458
 18 48 18 18 40 18 18 30 140 100

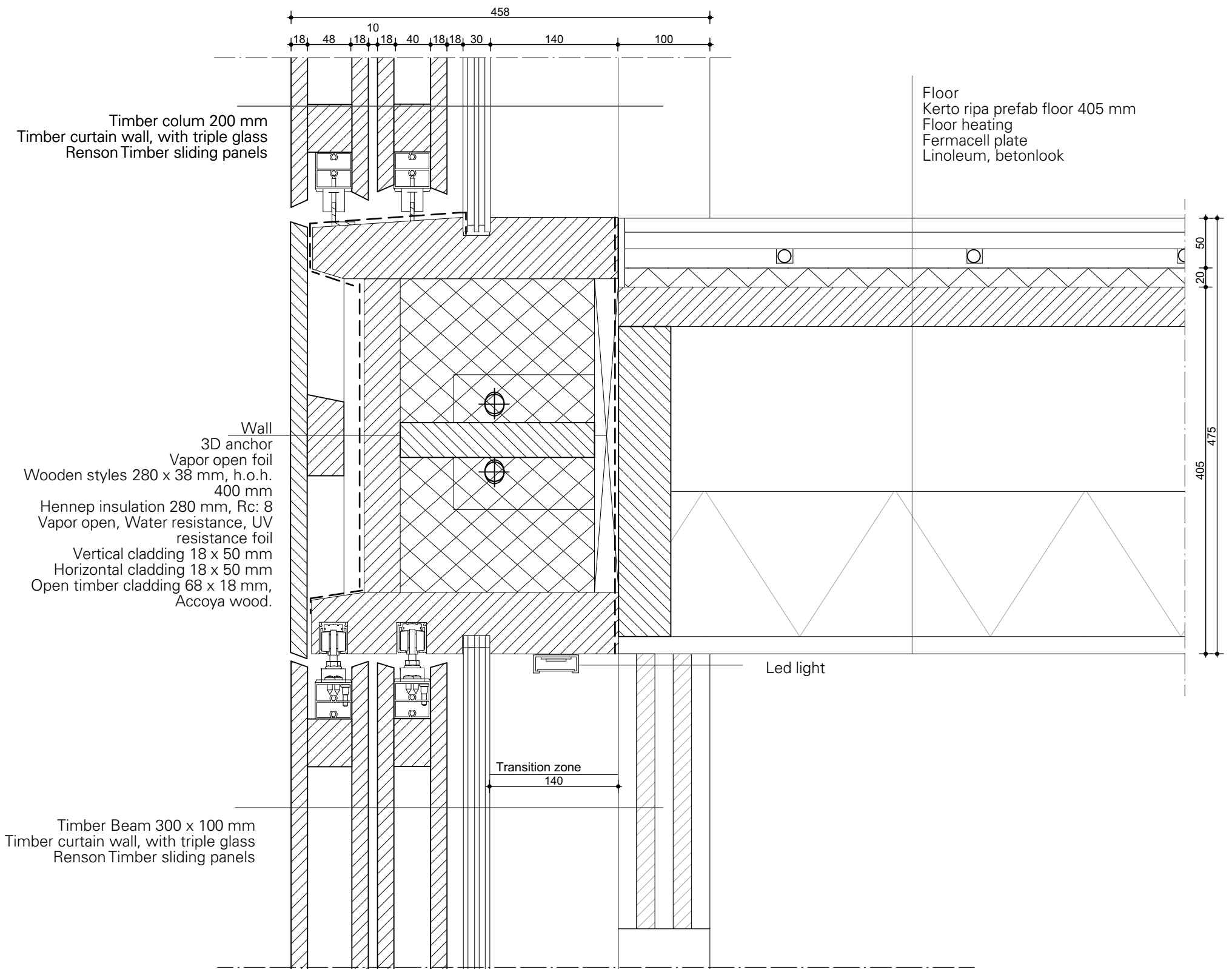


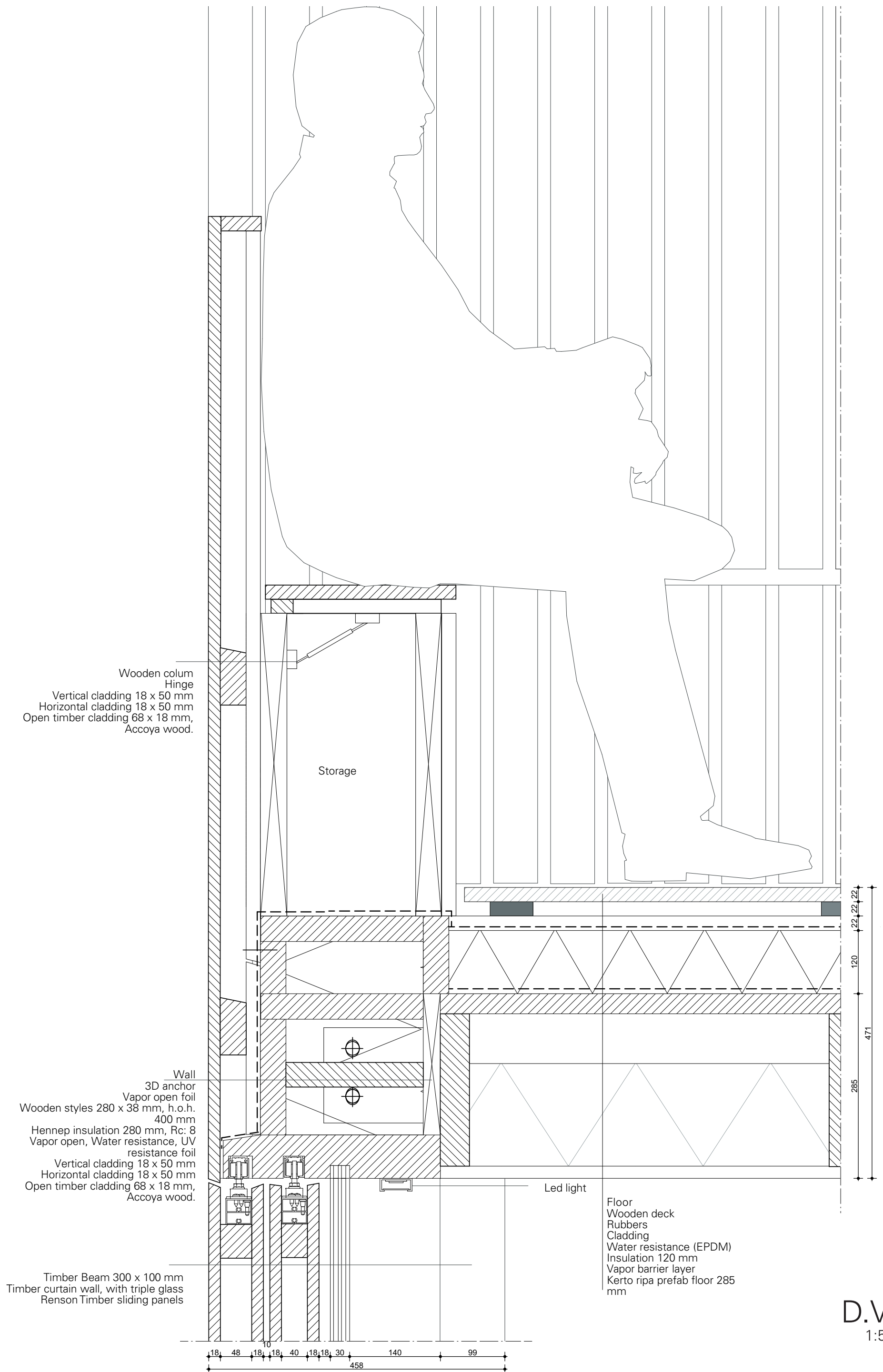
Stairs
 Timber colum 200 mm
 Timber curtain wall, with
 triple glass Renson Timber
 sliding panels

Floor
 Insulation plate 180 mm
 Kerto ripa prefab floor 405 mm
 Floor heating
 Fermacell plate
 Linoleum, betonlook

Support
 Grind
 Wooden beaming
 Wooden deck

50
 20
 405
 655
 180





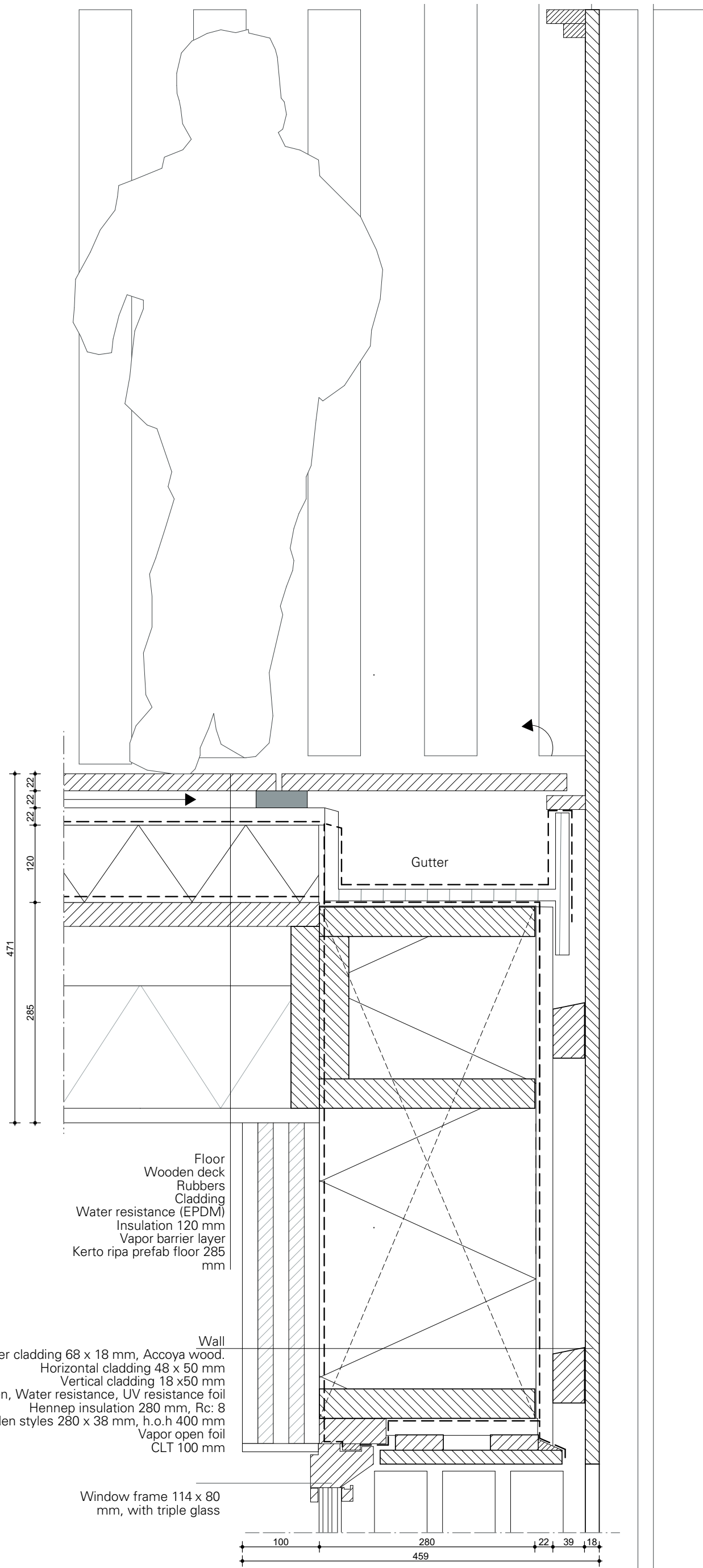


Window frame 114 x 80 mm, with triple glass

Wall
Open timber cladding 68 x 18 mm, Accoya wood.
Horizontal cladding 48 x 50 mm
Vertical cladding 18 x 50 mm
Vapor open, Water resistance, UV resistance foil
Hennep insulation 280 mm, Rc: 8
Wooden styles 280 x 38 mm, h.o.h 400 mm
Vapor open foil
CLT 100 mm

Floor
Insulation plate 180 mm
Kerto ripa prefab floor 405 mm
Floor heating
Fermacell plate
Linoleum, betonlook

655
180
405
20
50



471
285
120
22, 22, 22, 22

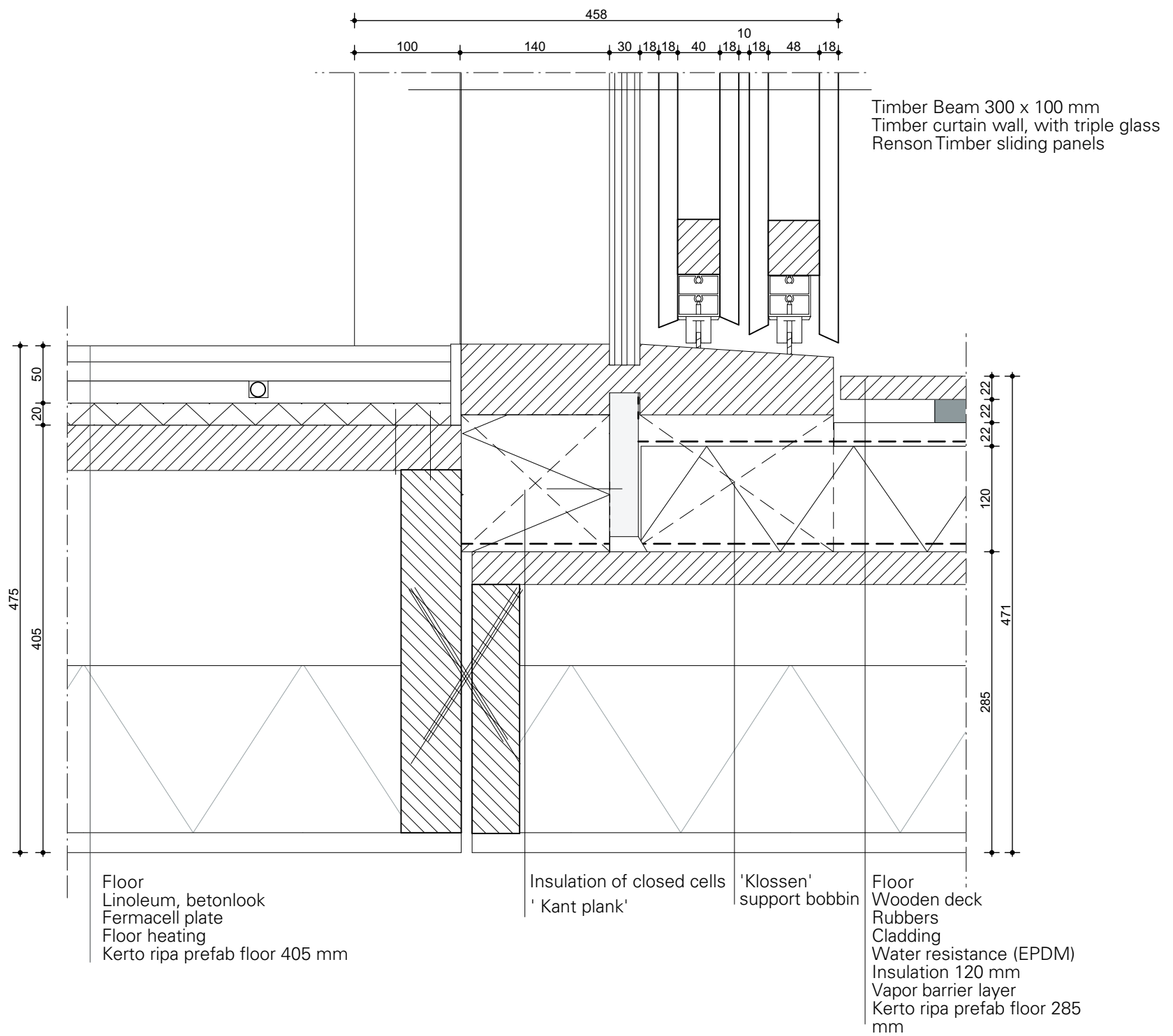
Gutter

Floor
Wooden deck
Rubbers
Cladding
Water resistance (EPDM)
Insulation 120 mm
Vapor barrier layer
Kerto ripa prefab floor 285 mm

Wall
Open timber cladding 68 x 18 mm, Accoya wood.
Horizontal cladding 48 x 50 mm
Vertical cladding 18 x 50 mm
Vapor open, Water resistance, UV resistance foil
Hennep insulation 280 mm, Rc: 8
Wooden styles 280 x 38 mm, h.o.h 400 mm
Vapor open foil
CLT 100 mm

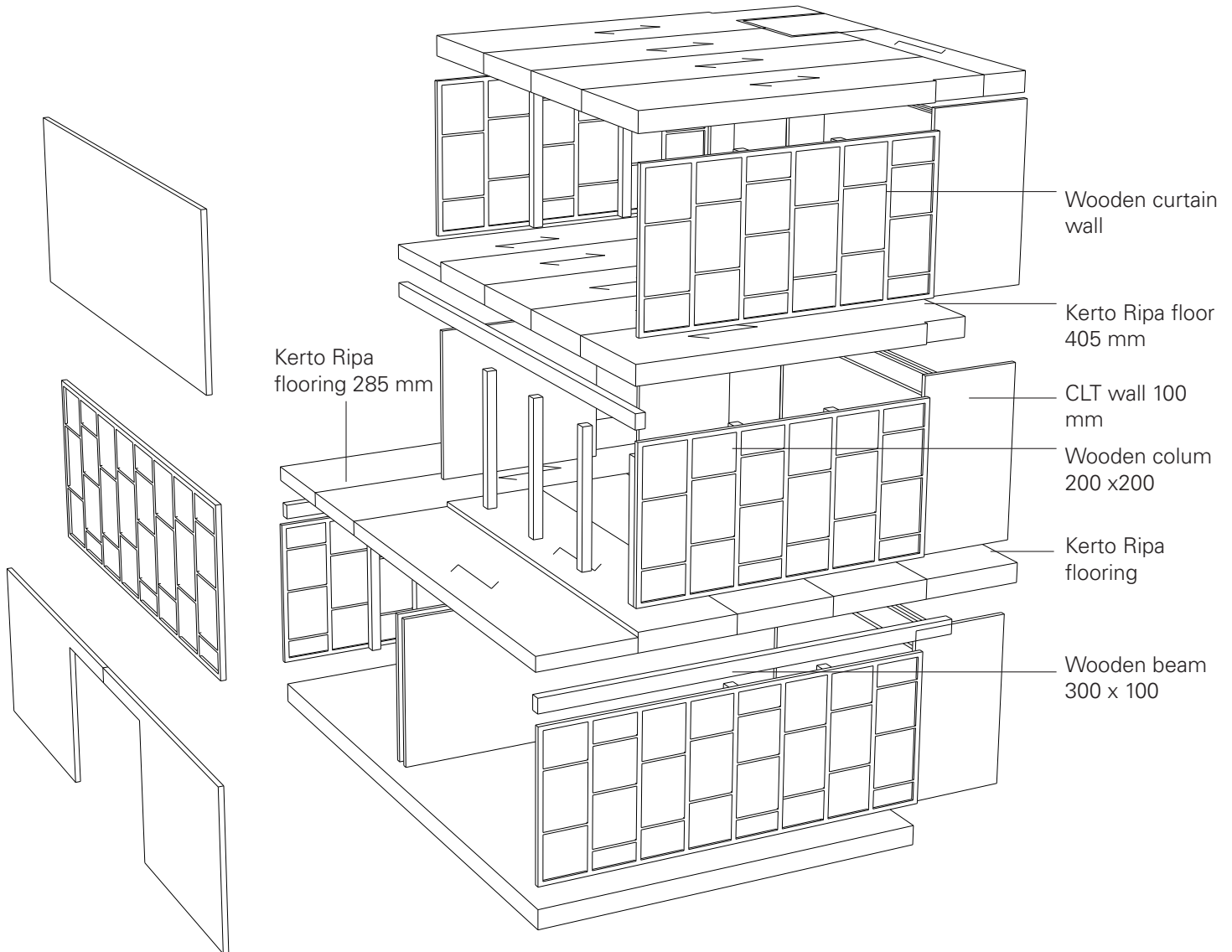
Window frame 114 x 80 mm, with triple glass

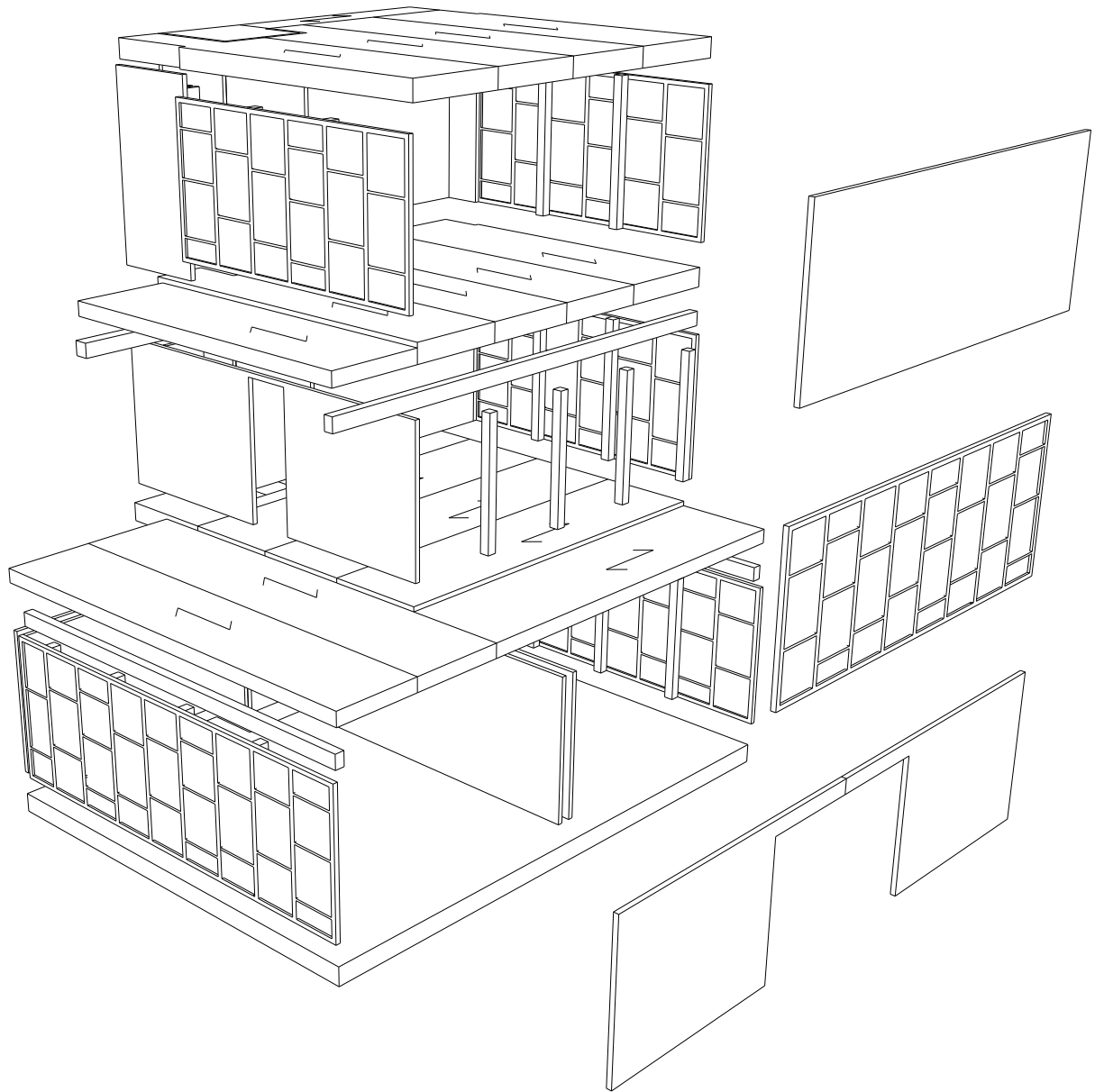
100 280 22 39 18
459



CONSTRUCTION

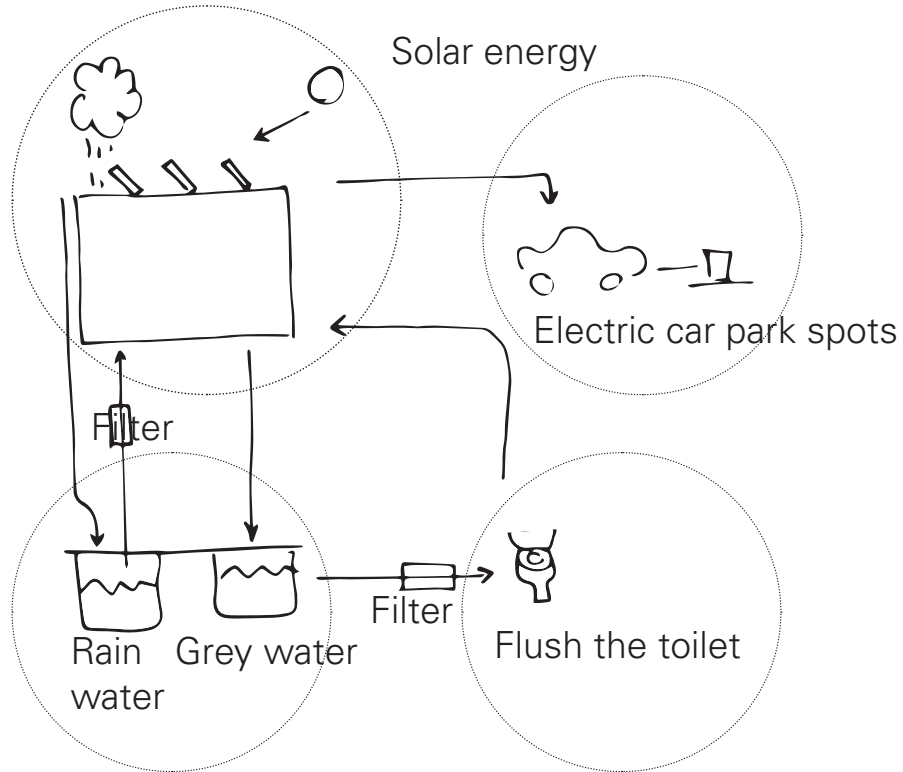
CONSTRUCTION





CLIMATE

CLIMATE CONCEPT



CLIMATE & INSTALLATION

