

kitA

Filza Parmar

Tutor : Philippe Rahm

Master Program - Spring semester 2021
HEAD-Genève / Interior Architecture

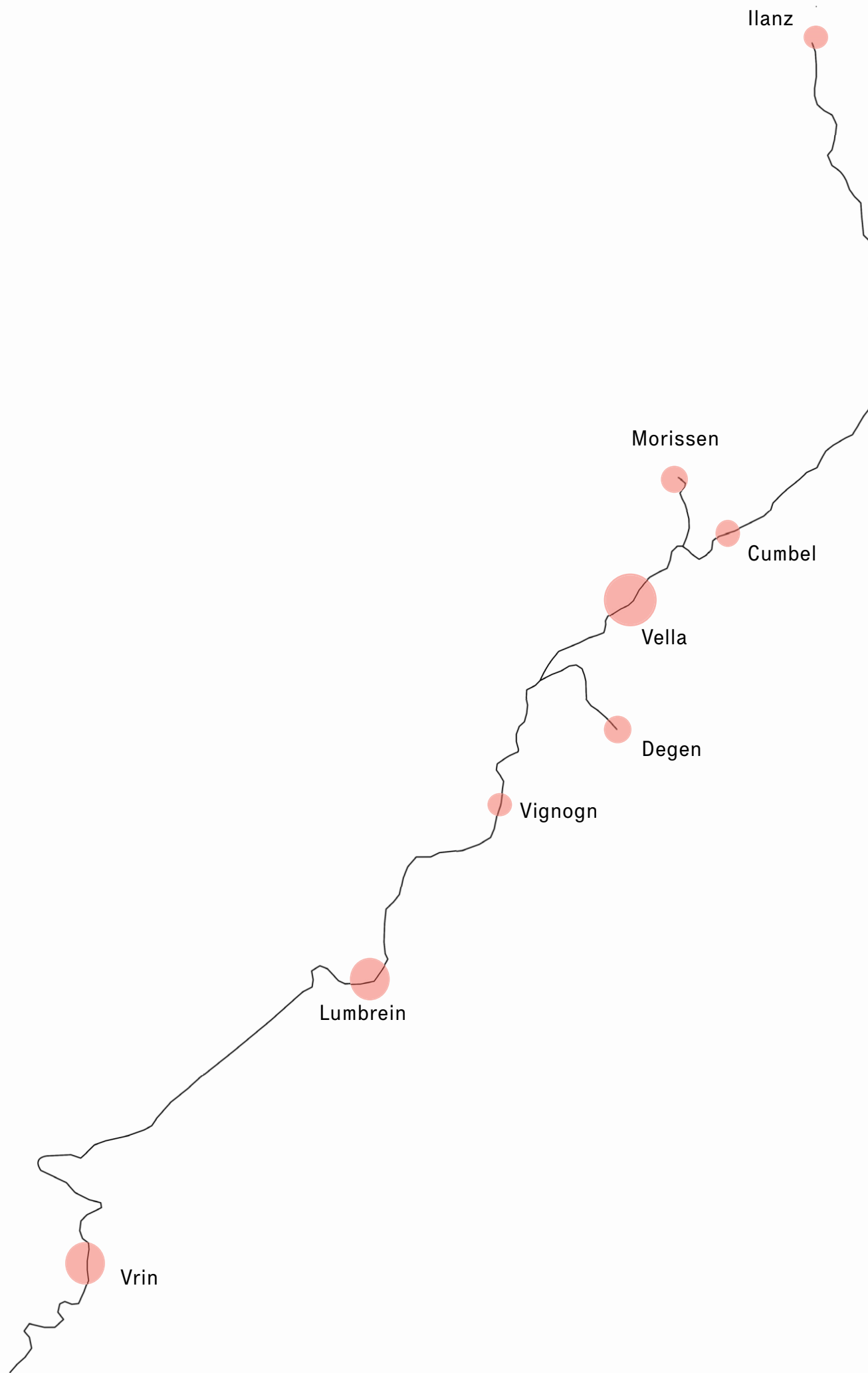


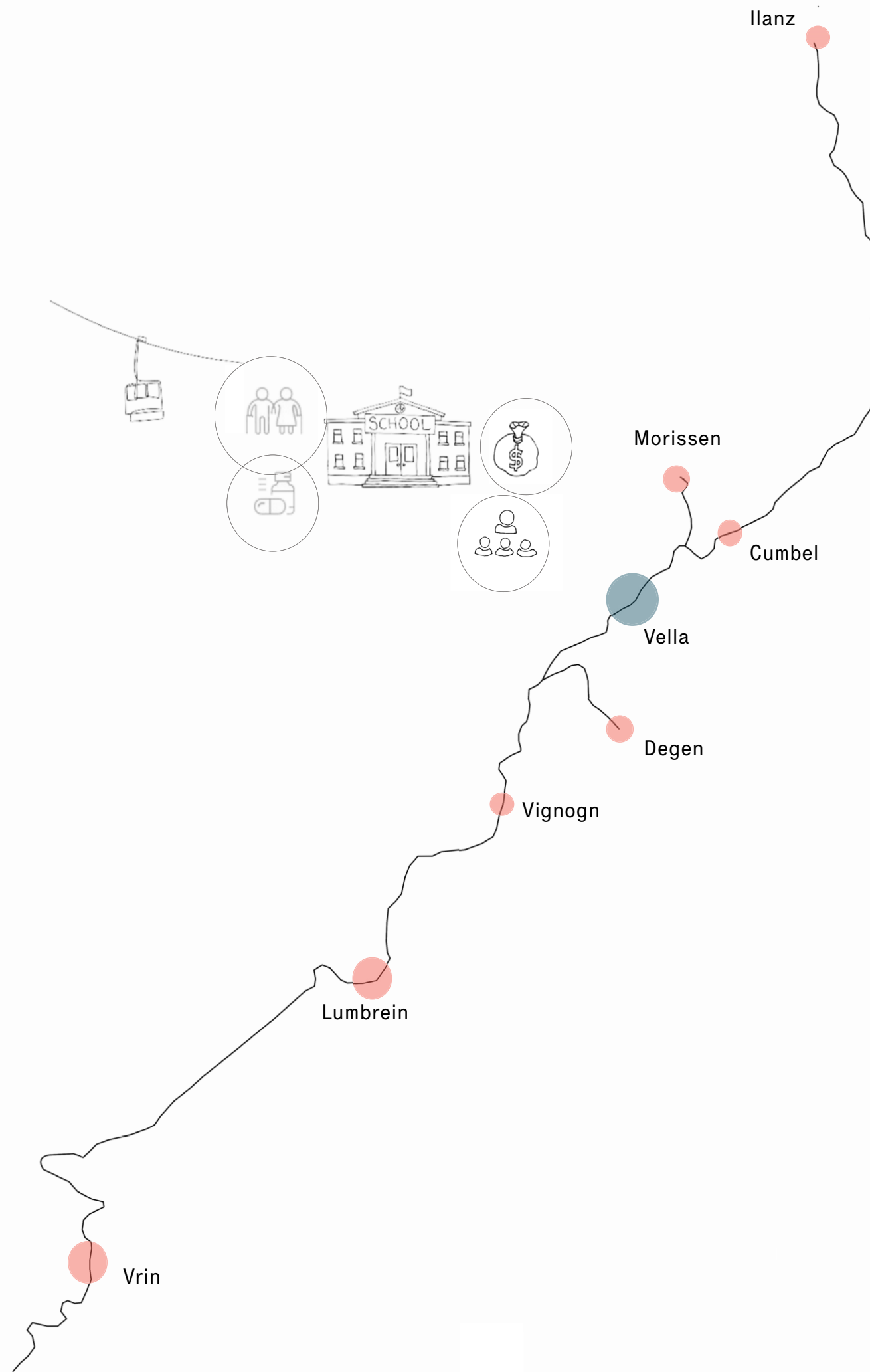
VALLEY

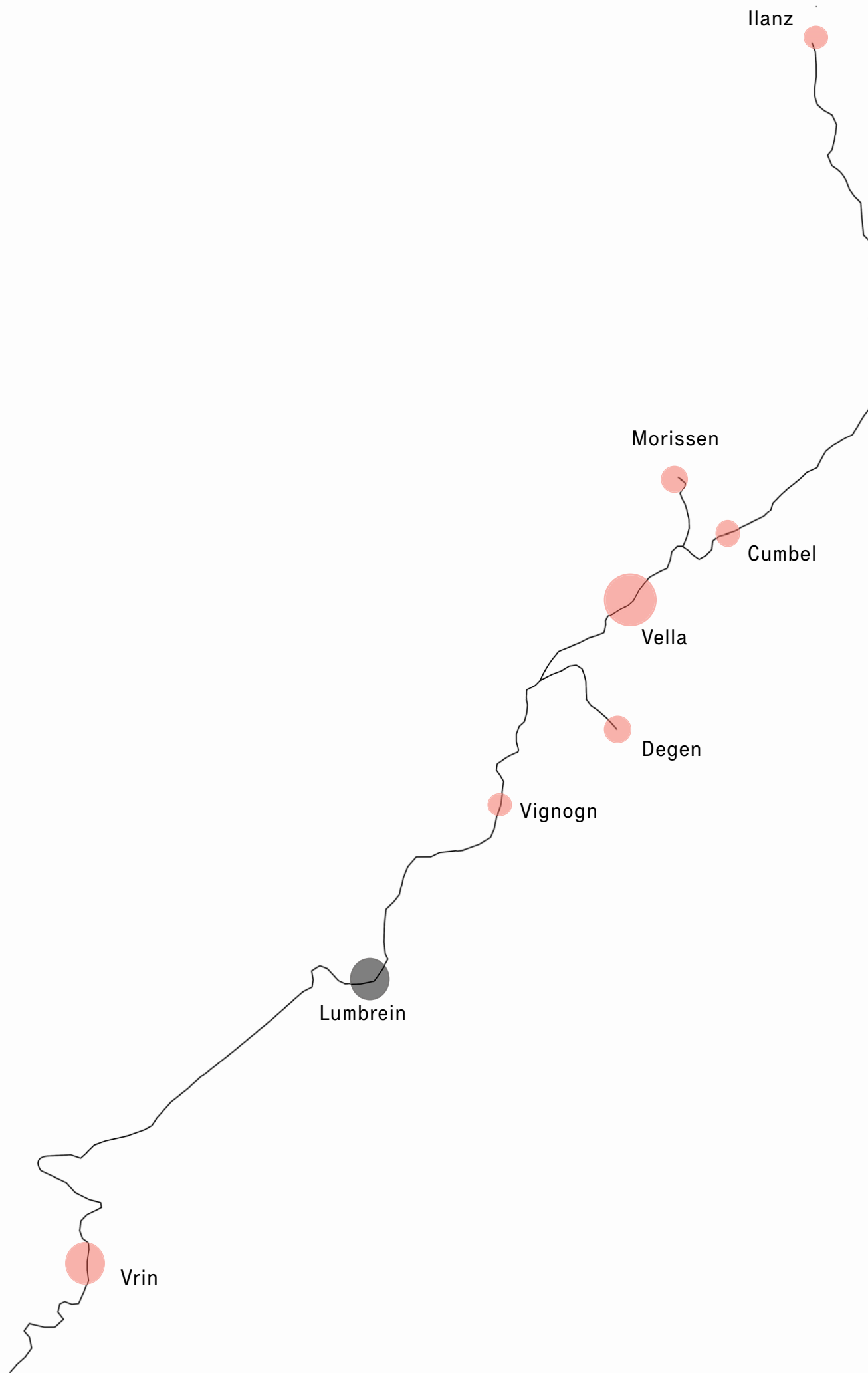
01 | CONTEXT



Lumnezia





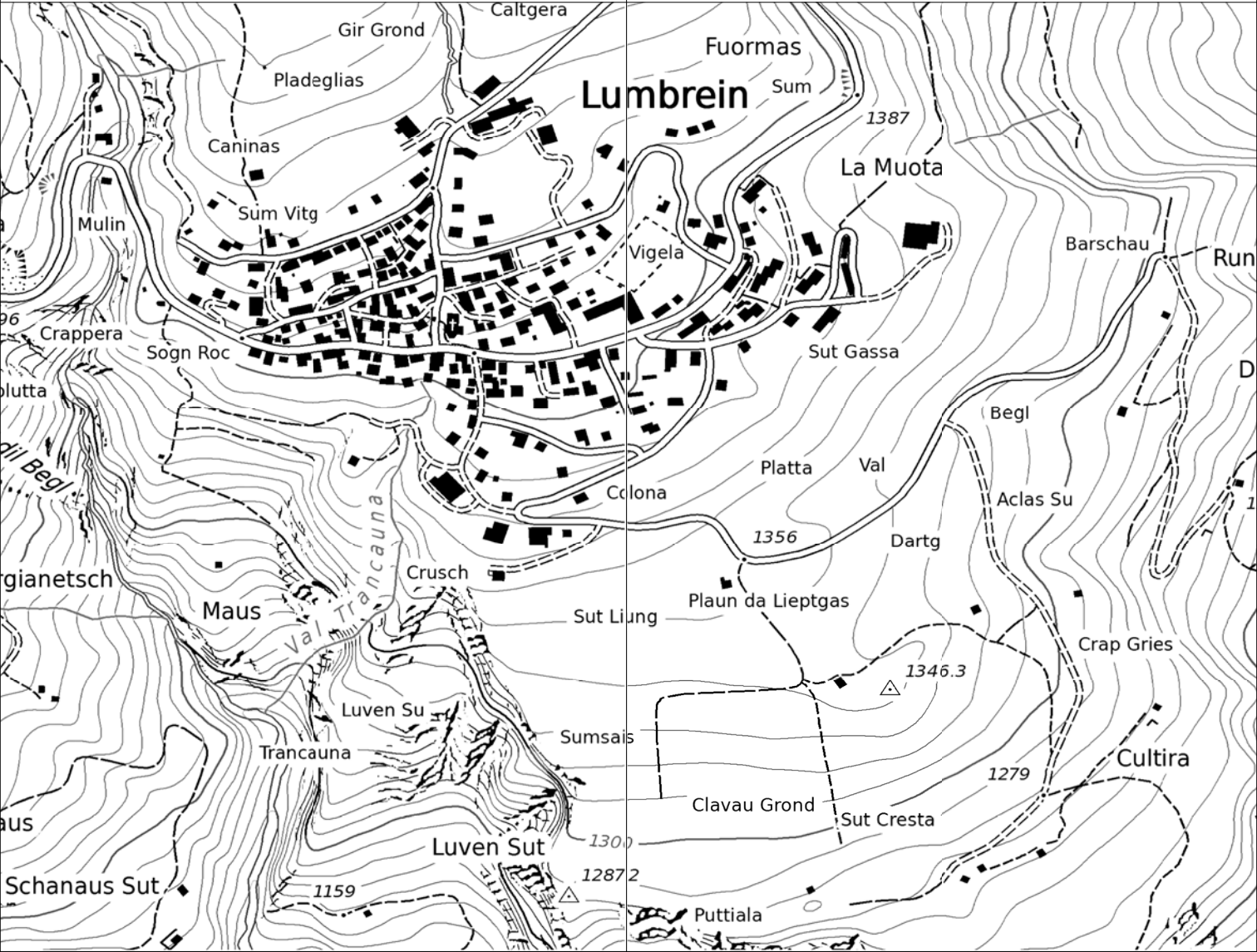


2729000

2730000

2731000

1172000



1171000



LUMBREIN

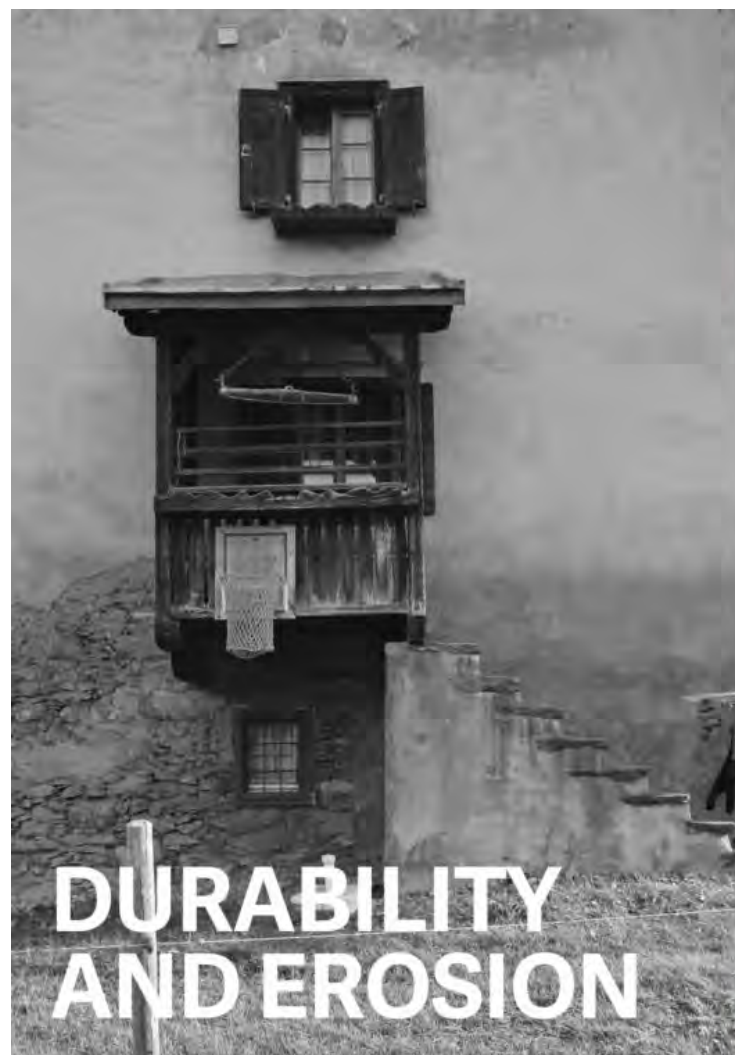


LUMBREIN



LUMBREIN

03 | CONSTRUCTION



cycle de conférences
projet, histoire, construction
 regards croisés sur le patrimoine récent

Tuesday, 31 March 2020
 17h30

Live streaming
<https://epfl.zoom.us/j/353979336>

Ramun Capaul, Gordian Blumenthal
 Capaul & Blumenthal architects, Ilanz

The underlying needs, requirements and external influences relating to the origin of the building are changing. Buildings lose their original purpose and become obsolete.

Simple structures such as barns scattered around the rural landscape are being taken back by nature as the years go by. The wind blows away the roof, the building is struck by lightning or the structure collapses under heavy snow. What happens to traditional semi-detached houses in a village that were conceived for an extended farming family that has not existed in this form for a long time? What about the old blacksmith in town when there are no more horses to be shod?

When will existing buildings be replaced by new ones, and when should they be maintained, preserved, integrated, upgraded, transformed or extended?

The cultural significance of existing buildings, the properties of material and construction, spatial qualities and presence in the rural or urban context lead to evaluations and approaches regarding the starting point and depth of the intervention, considerations on adding or subtracting layers, and the continuity, overlapping or redesign of constructional and spatial structures.

GORDIAN BLUMENTHAL (b. 1967) and RAMUN CAPAUL (b. 1969) are architects who graduated from ETH Zurich. They founded the firm Capaul & Blumenthal in Ilanz in 2000. Their landmark projects, which have won several awards, include the St. Piaz cinema in a former blacksmith's shop in Ilanz (2010) and the beautiful restoration of the Thörlaltheus (2010-2014) as part of the revitalisation project for the village of Vals. The initiative by Schweizer Heimatschutz. Their latest project, a timber-framed apartment building in Bonaduz, is published in the latest issue of the magazine *werk, bauen + wohnen* (3/2020). They are visiting professors at EPFL in 2019-2020.

TSAM Laboratoire des Techniques et de la Sauvegarde
 de l'Architecture Moderne - EPFL-ENAC
do.co.mo.mo_ch

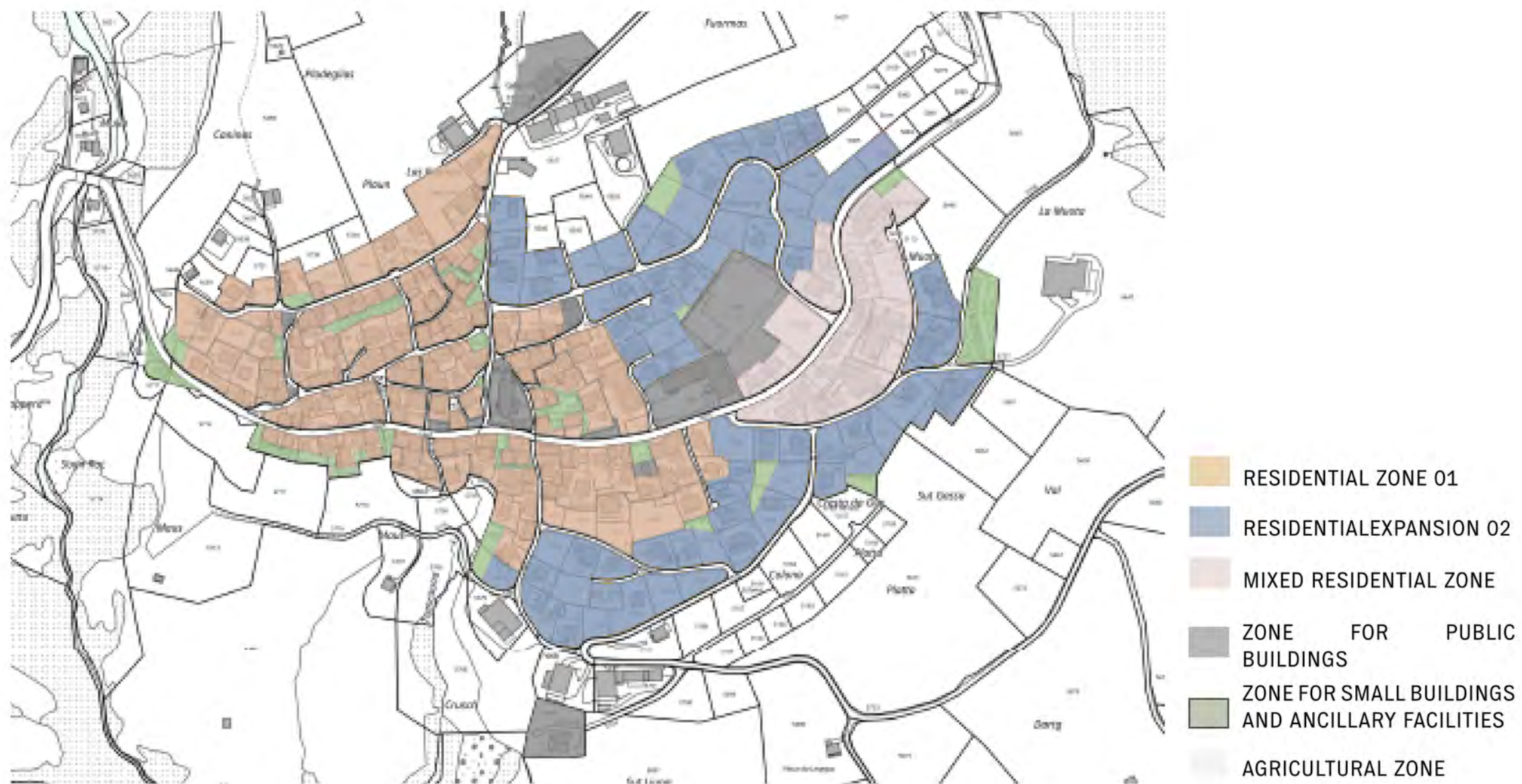
ARCHIZOOM
 - Project Room - - Rector de l'Institut STS
 Ecole Polytechnique Fédérale de Lausanne - Faculté ENAC
 1915 Lausanne - Suisse
<http://tsam.epfl.ch>

www.do.co.mo.mo.ch





12-03-21
Lymbrein wlg
5.45
J. H. H.





RESIDENTIAL ZONE 01



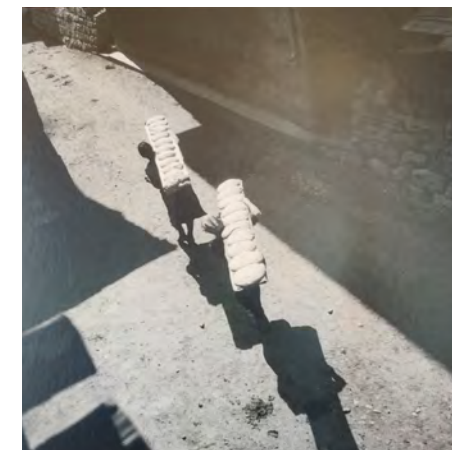
RESIDENTIAL ZONE 01



 RESIDENTIALEXPANSION 02



LUMNEZIA

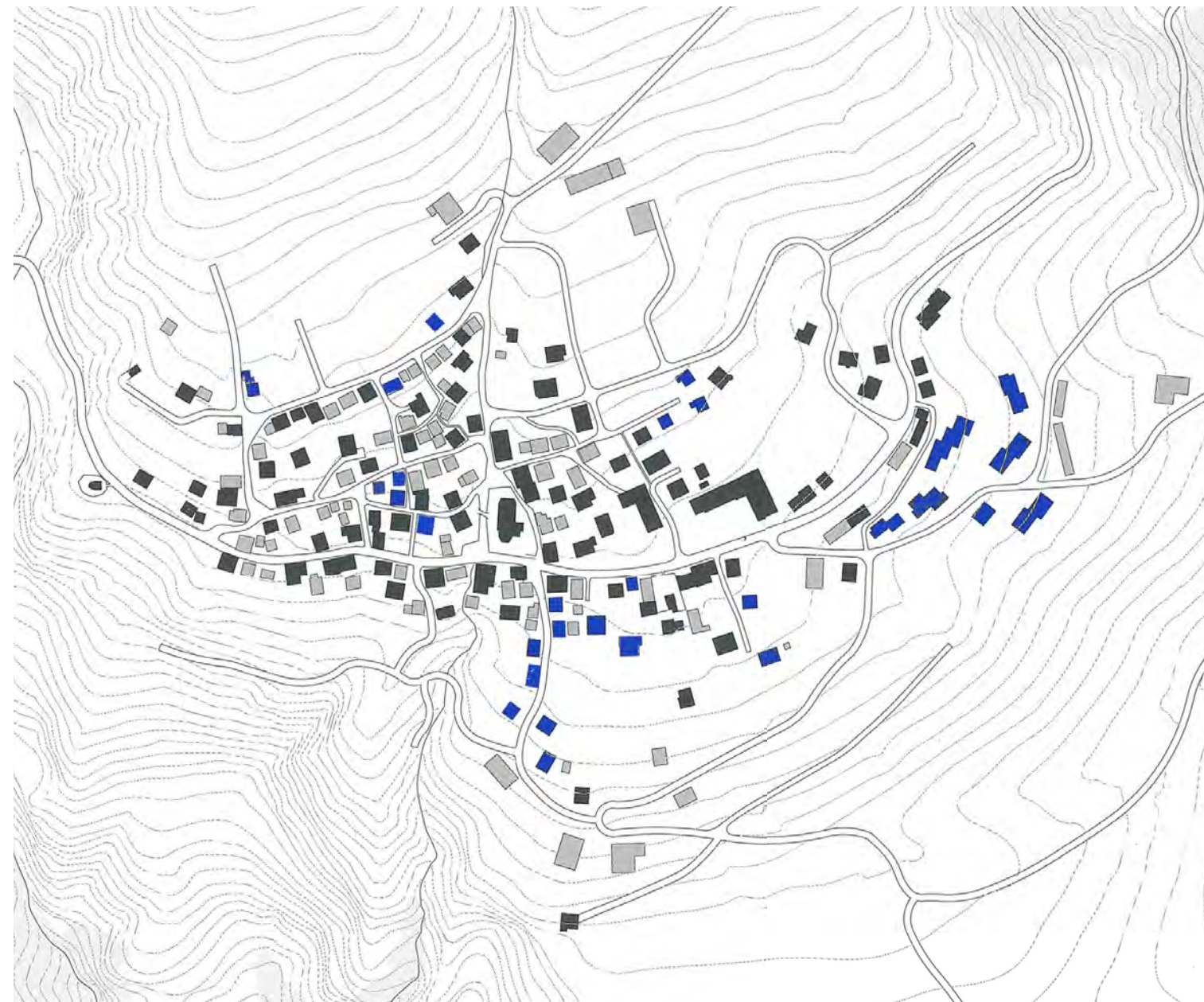




LOST ACTIVITIES



LUMBREIN

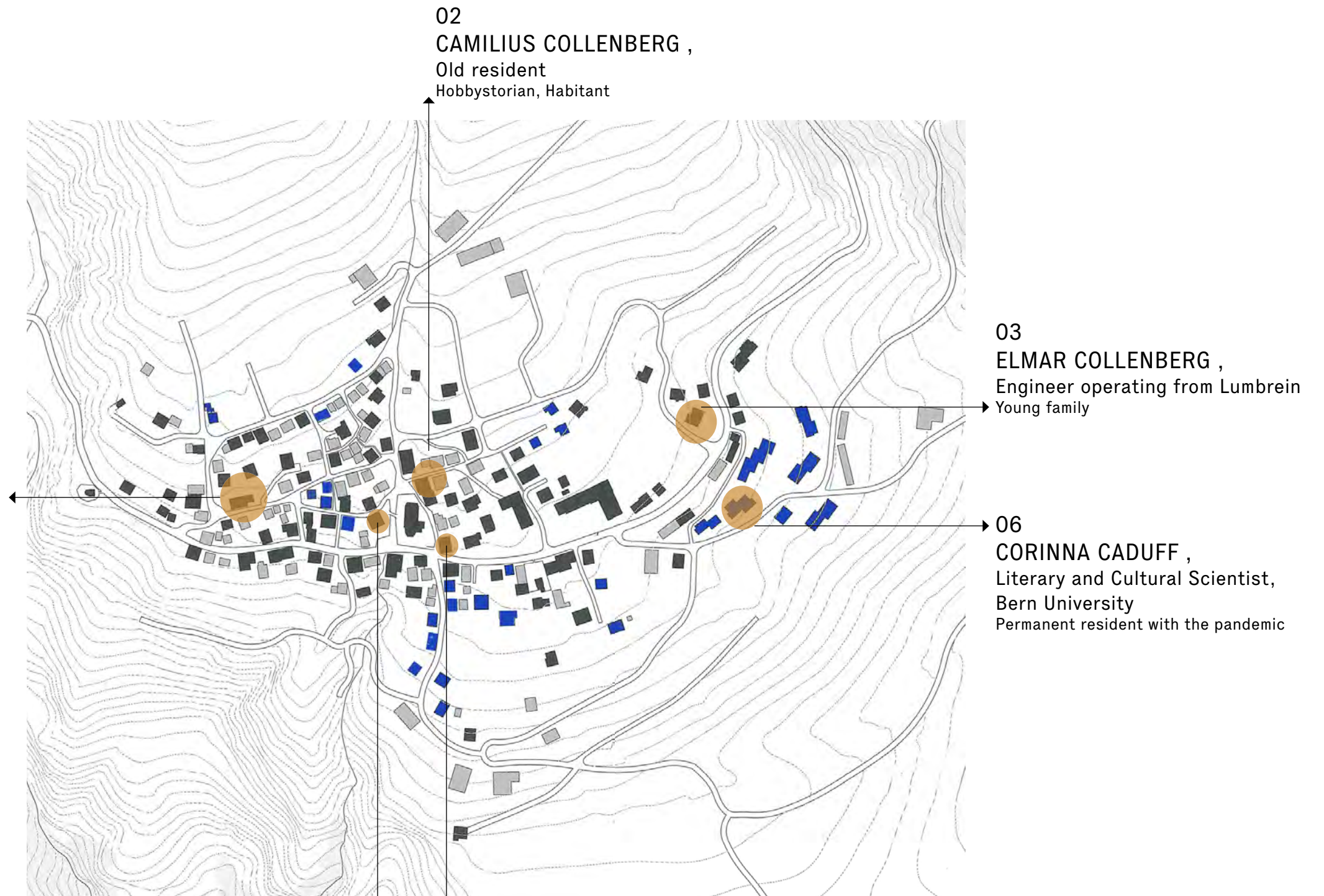
LOST/FADING ACTIVITIES



-  STABLES
-  SECONDARY HOMES



01
RAMUN CAPAUL
 Architect, Habitant
 Work -Ilanz



02
CAMILIUS COLLENBERG ,
 Old resident
 Hobbystorian, Habitant

03
ELMAR COLLENBERG ,
 Engineer operating from Lumbrein
 Young family

06
CORINNA CADUFF ,
 Literary and Cultural Scientist,
 Bern University
 Permanent resident with the pandemic

04
DIRK JASINKI
 Priest
 3 years in Lumbrein



05
ANNA LOUISA
 Director , Cultural Musuem Lumbrein

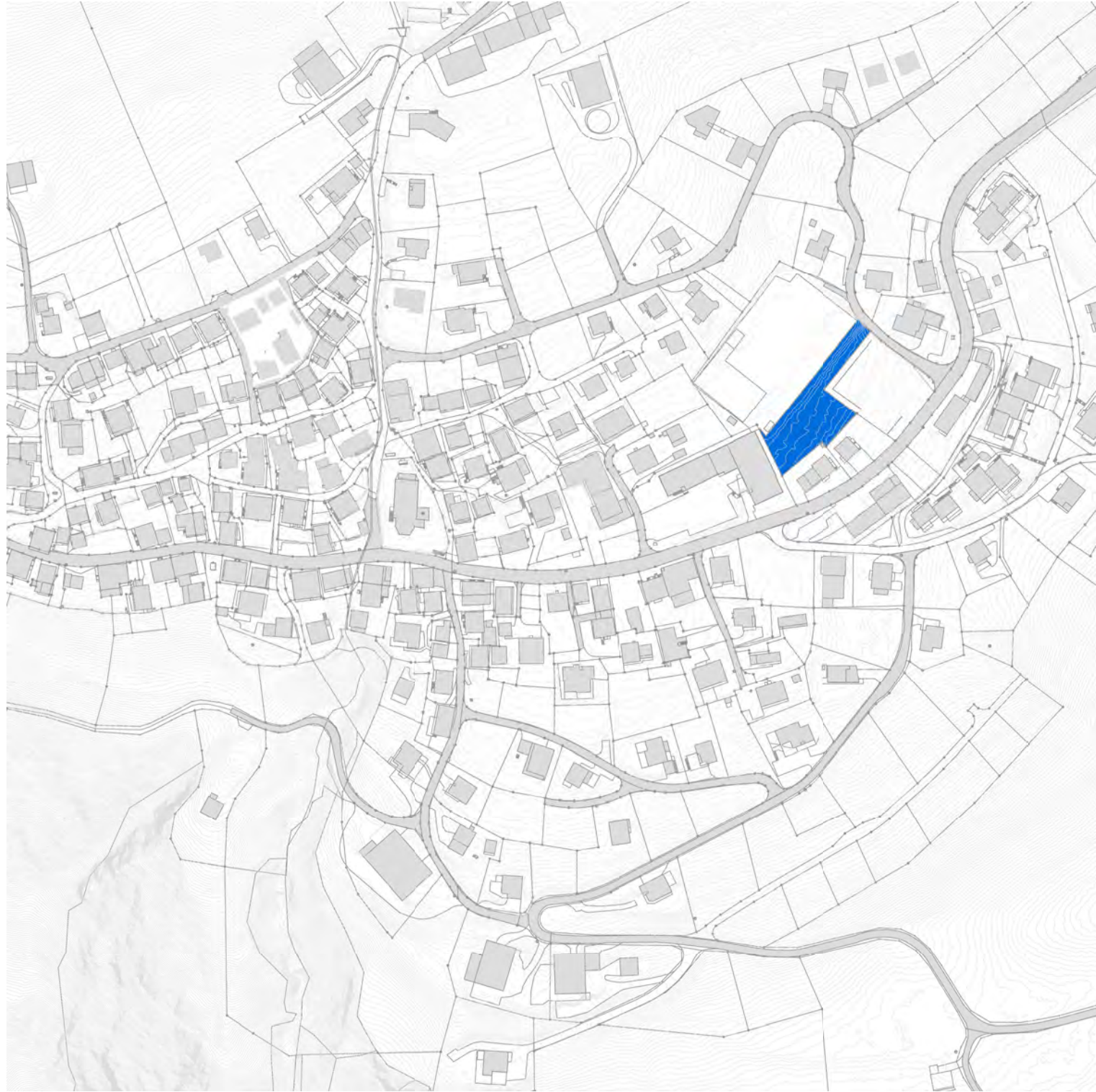
20 years ago from Netherlands, Habitant near
 Vignogn



When he is with the old objects, he feels younger «

02
CAMILIUS COLLENBERG
Museum of Objects,
Old stable





SITE



SITE



the number of children in the
village of Lumbrein = total

amount of children = **25** children
between the age off 0 and 15

15 years (2006) = 1 child

14 years (2007) = 1 child

13 years (2008) = 2 children

12 years (2009) = 1 child

11 years (2010) = 1 child

9 years (2012) = 3 children

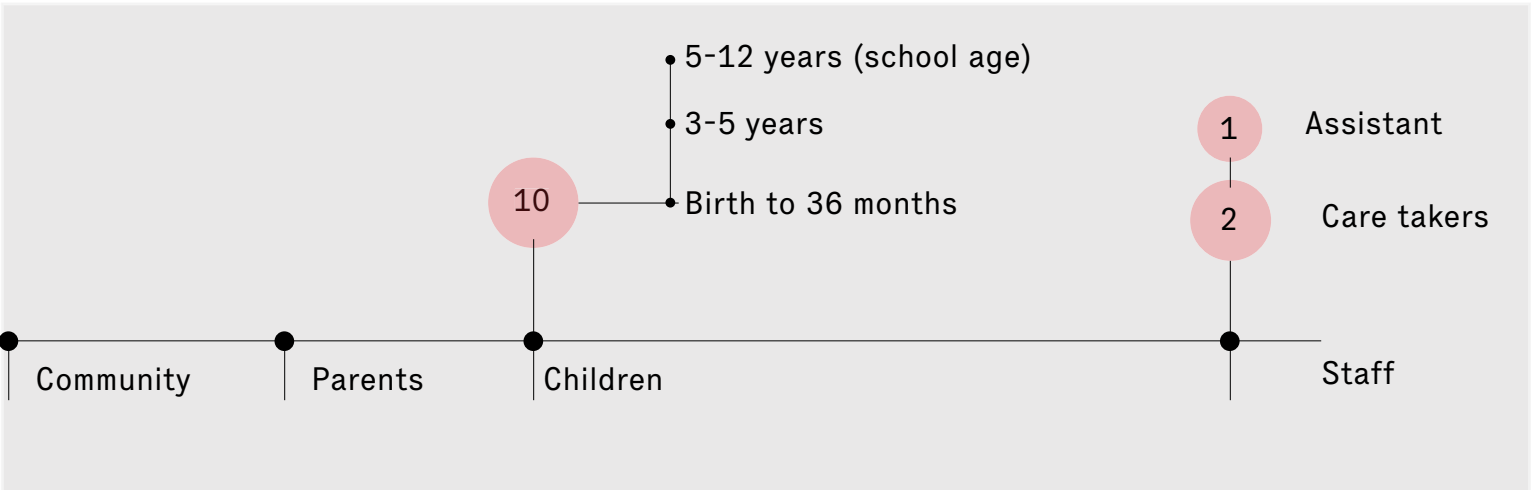
7 years (2014) = 5 children

6 years (2015) = 3 children

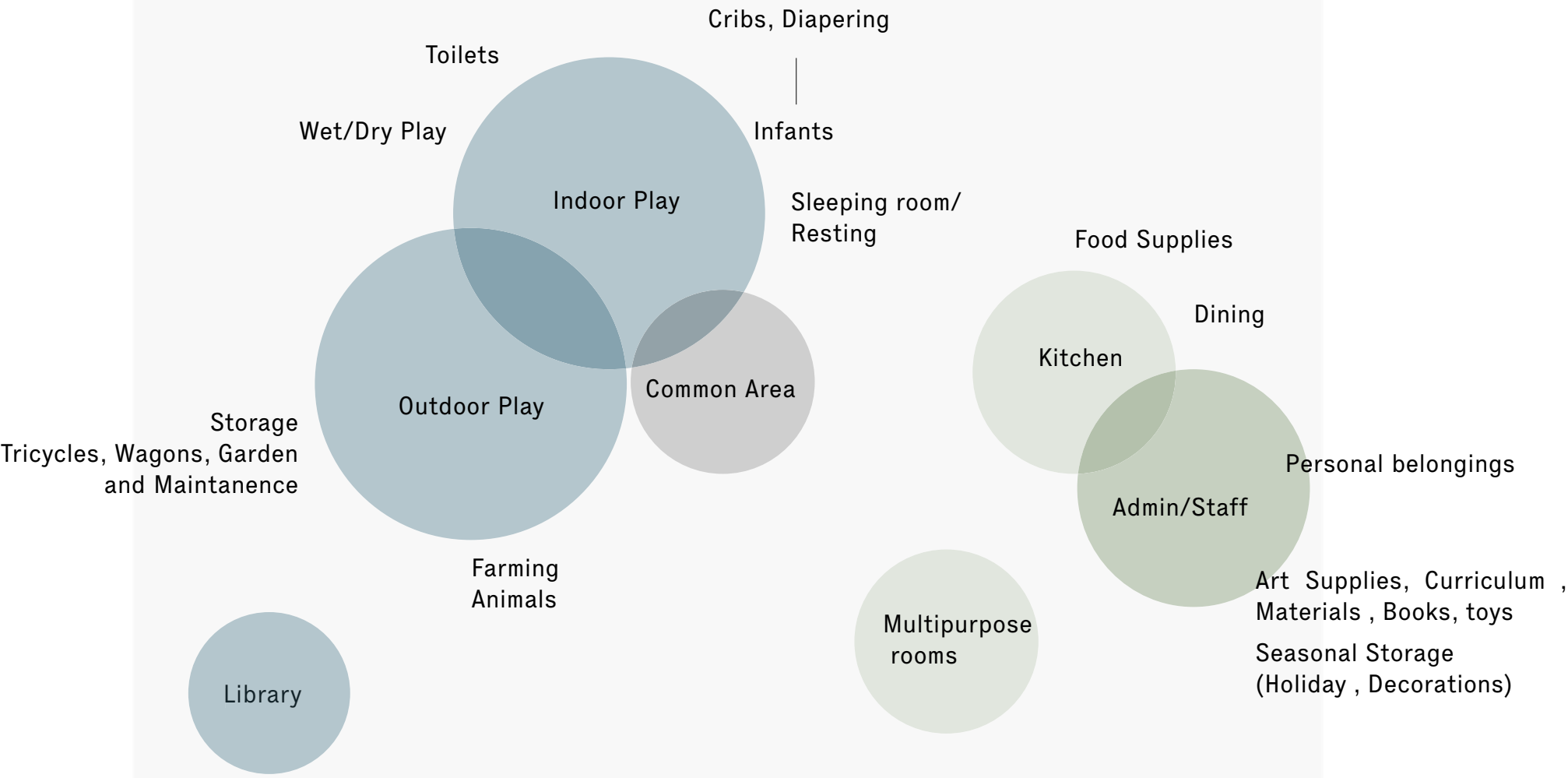
4 years (2017) = 4 children

3 years (2018) = 1 child

USERS



SPACES



CHILDREN DAY CARE
CENTER
1100 sq. m



STABLES OUTSIDE BUILDING ZONE





INVENTORY MATERIAL

OUTER SKIN

A - STONE

- A1 - DEBRIS
- A2 -
- A3 -
- A4 -
- A5 - FLATTER

B - WOODEN BEAMS

- B1 - (FULL PIECES) (APPROX. 6 ALL)

ELEVATION SIDE 01: (X8 pc.)
ELEVATION SIDE 02: (X8 pc.)
FRONT: (X1 pc.)
REAR: (X9 pc.)

- B2 -
ELEVATION SIDE 01: (X10 pc.) 2.3m
SIDE 02: (X2) 2.5m
FRONT: (X10) 2.4m
REAR: (X2) 2.6m
2.8m

- B3 - FRONT: (X2)

- C1 - $\phi 15-20$ cm.
SIDE ELEVATION 01 - (X12) $\phi 15-20$ cm.
ELEVATION 02 - (X12) $\phi 15-20$ cm.
FRONT - (X9)
REAR - (X1)

- C2 - $\phi 15-20$ cm.
REAR - (X20) $\phi 15-20$ cm.

- C3 - $\phi 15-20$ cm.
FRONT - (X2) 6m

PARTS (OPENINGS)

- D1 - WINDOW (DOORS)
25cm
80cm
SIDE ELEVATION 02

- D2 - FRONT ELEVATION
80cm
80cm

- D3 - REAR ELEVATION - DOOR 3
1.6m
1.6m

- D4 - HINGE (X4)
1.6m
1.6m

- D5 - HINGE (X4)
1.6m
1.6m

- D6 - HINGE (X4)
1.6m
1.6m

- D7 - HINGE (X4)
1.6m
1.6m

- D8 - HINGE (X4)
1.6m
1.6m

- D9 - HINGE (X4)
1.6m
1.6m

- D10 - HINGE (X4)
1.6m
1.6m

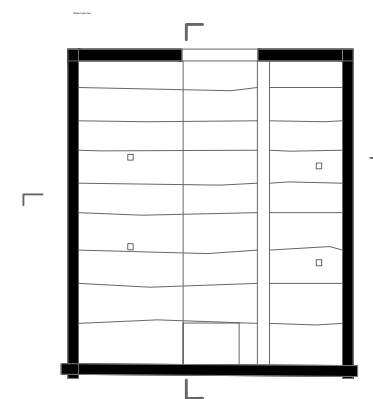
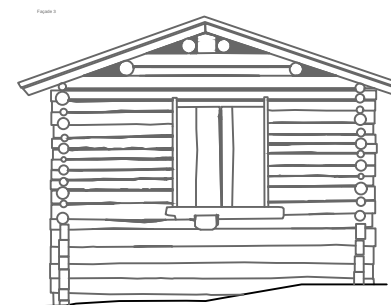
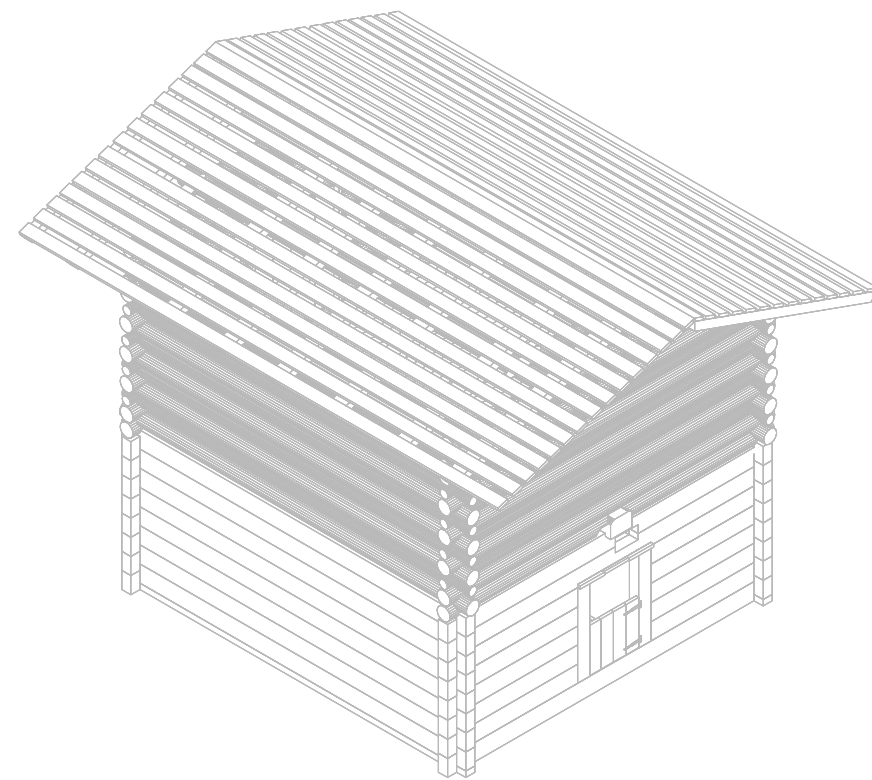
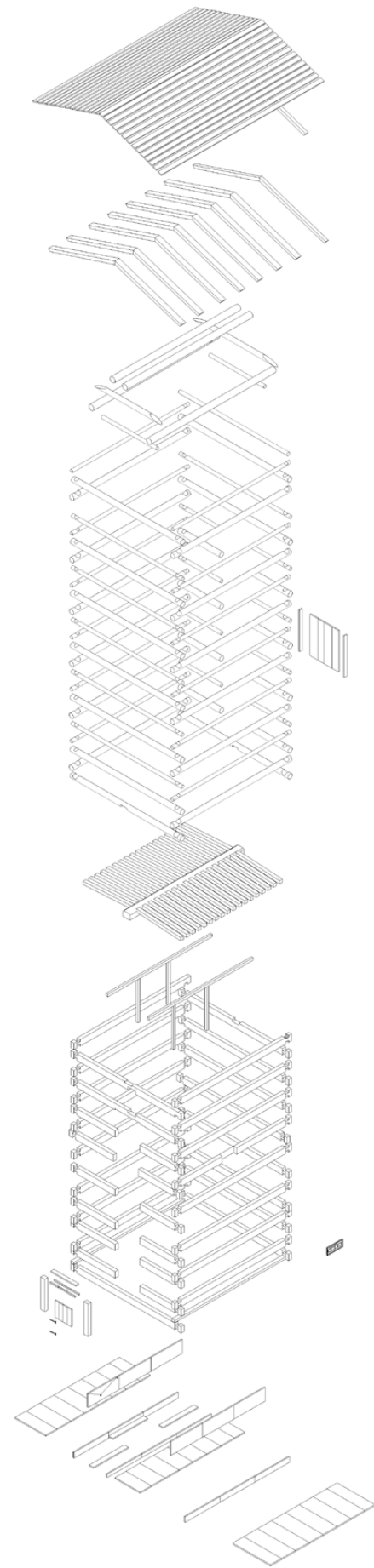
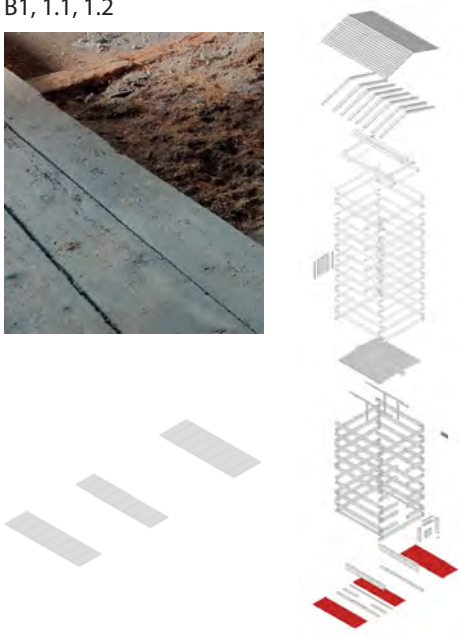
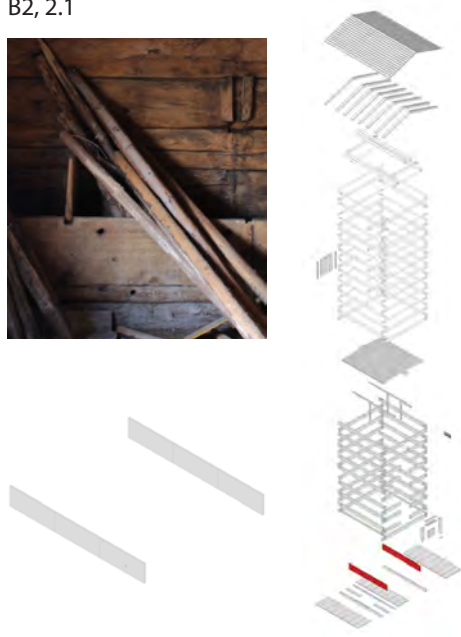
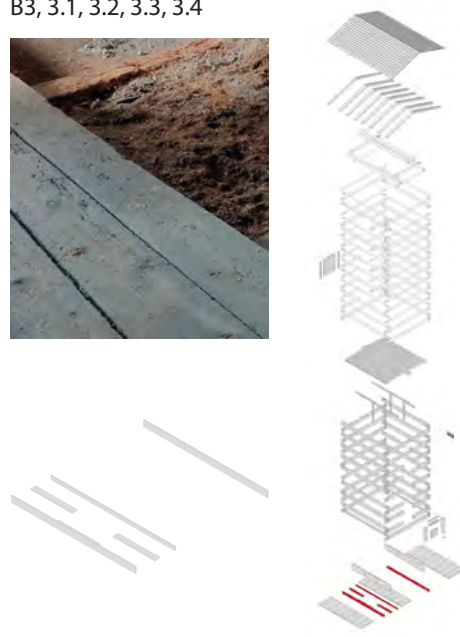


Figure 1



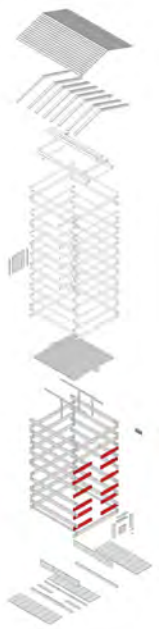
<p>B1, 1.1, 1.2</p>  <p>Name: Plank Category: Base Plinth Materiality: Wood Dimension: 2mx0.75m , 1.3m x 0.75m, 1.7m x 0.75m</p>	<p>B2, 2.1</p>  <p>Name: Partition Category: Base Plinth Materiality: Wood Dimension: 1.75m x 0.66m</p>	<p>B3, 3.1, 3.2, 3.3, 3.4</p>  <p>Name: Floor Level Plank Category: Base Plinth Materiality: Wood Dimension: 1.9m x 0.27m, 1.9m x 0.16m, 1.9m x 0.25m, 1.9m x 0.27m</p>
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CATEGORY B-BASE PLINTH

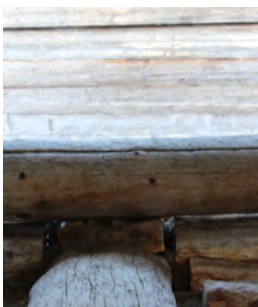
C3



Name: Squared Log
Category: Outer Skin
Materiality: Wood
Dimension: 2.45m x 0.31m x 0.17m



C4



Name: Squared Log
Category: Outer Skin
Materiality: Wood
Dimension: 6m x 0.31m x 0.17m



C5



Name: Squared Log
Category: Outer Skin
Materiality: Wood
Dimension: 6.45m x 0.31m x 0.17m



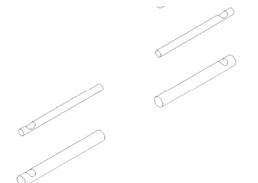
C6, 6.1, 6.2



Name: Round Log
Category: Outer Skin
Materiality: Wood
Dimension: 6-6.5m range length , 0.15m -0.25m Dia



C7, 7.1, 7.2





Name: Round Log
Category: Wood
Materiality: Wood
Dimension: 2.4m, 0.15m Dia, 0.25m Dia




CATEGORY C-OUTER SKIN

D1







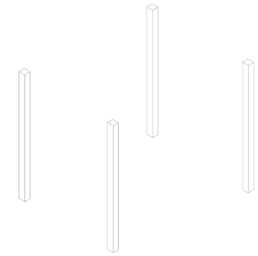


Name: Beam
Category: Internal Structure
Materiality: Wood
Dimension: 5.75m x 0.13m x 0.9m

D2




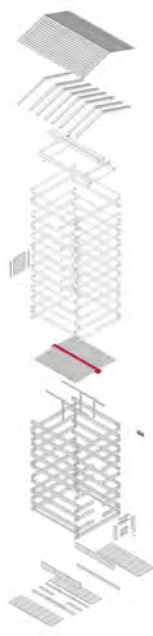





Name: Column
Category: Internal Structure
Materiality: Wood
Dimension: 2.1m x 0.11m x 0.1m

D3

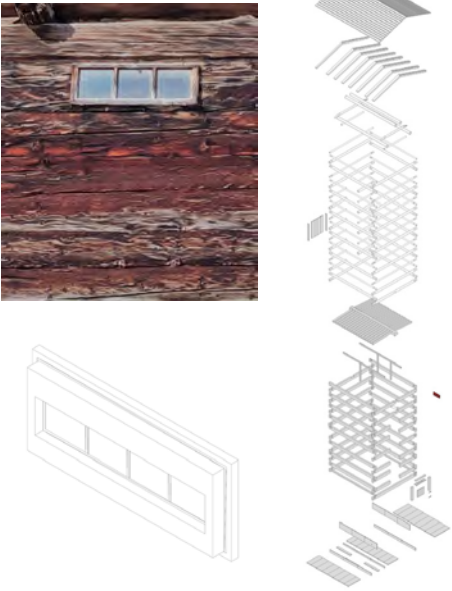

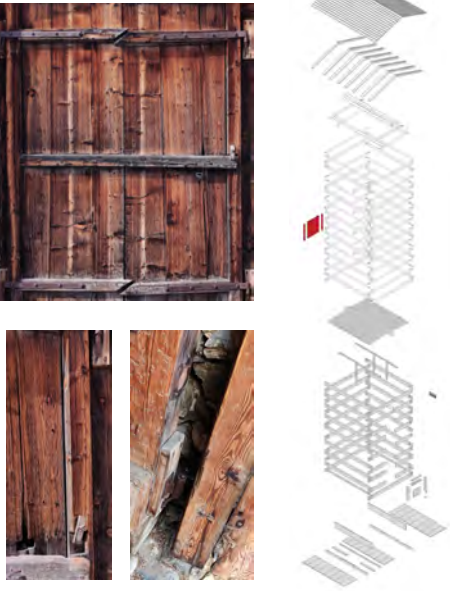






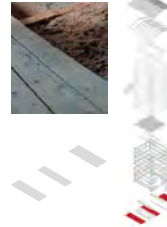
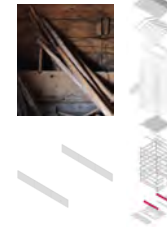















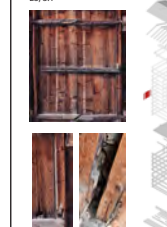


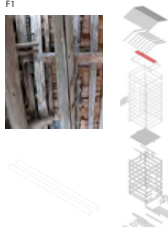









Name: Central Beam
Category: Internal Structure
Materiality: Wood
Dimension: 6.3m x 0.4m x 0.3m

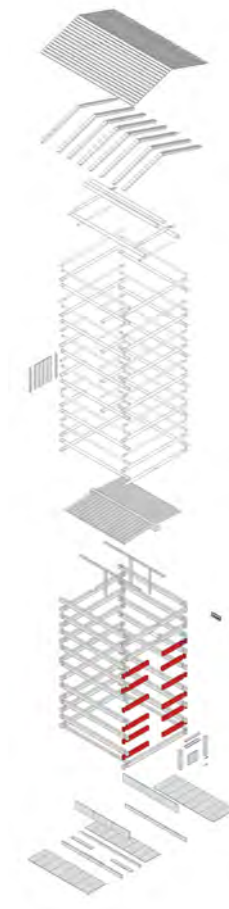
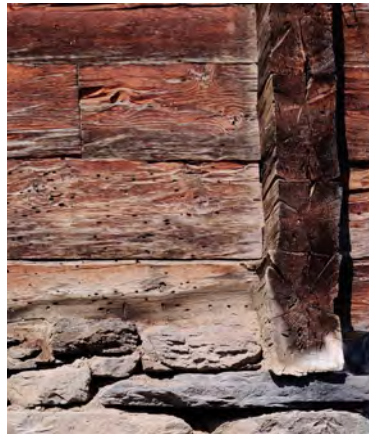
CATEGORY D-INTERNAL STRUCTURE

<p>E1</p>  <p>Name: Window Category: Openings Materiality: Wood Dimension: 0.86m x 0.4m</p>	<p>E2, 2.1, 2.2, 2.3, 2.4</p>  <p>Name: Door, 2.1-Jambs, 2.2-Plancks, 2.3-Top Rail, 2.4-Hinges Category: Openings Materiality: Wood Dimension: 1.55X0.23X0.17 m, 0.8x0.23x0.05m, 1.3x0.2x0.05m</p>	<p>E3, 3.1</p>  <p>Name: Door Category: Openings Materiality: Wood Dimension:</p>	<p>E3.2, 3.3, 3.4</p>  <p>Name: Door Category: Openings Materiality: Wood Dimension:</p>
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CATEGORY E-OPENINGS

<p>A1, 1.1, 1.2</p>  <p>Name: Base Stone Category: Base Plinth Materiality: Stone Dimension: Dado's, Medium/Large pieces</p>	<p>B1, 1.1, 1.2</p>  <p>Name: Plank Category: Base Plinth Materiality: Wood Dimension: 20x52,75m, 1,3m x 0,75m, 1,7m x 0,75m</p>	<p>B2, 2.1</p>  <p>Name: Partition Category: Base Plinth Materiality: Wood Dimension: 1,75m x 0,66m</p>	<p>B3, 3.1, 3.2, 3.3, 3.4</p>  <p>Name: Floor Level Plank Category: Base Plinth Materiality: Wood Dimension: 1,9m x 0,27m, 1,9m x 0,16m, 1,9m x 0,25m, 1,9m x 0,27m</p>	<p>B4</p>  <p>Name: Floor Level Plank Category: Base Plinth Materiality: Wood Dimension:</p>	<p>C1</p>  <p>Name: Squared Log Category: Outer Skin Materiality: Wood Dimension: 0,45m x 0,1m x 0,17m</p>	<p>C2</p>  <p>Name: Squared Log Category: Outer Skin Materiality: Wood Dimension: 0,45m x 0,1m x 0,17m</p>
<p>C3</p>  <p>Name: Squared Log Category: Outer Skin Materiality: Wood Dimension: 2,45m x 0,31m x 0,17m</p>	<p>C4</p>  <p>Name: Squared Log Category: Outer Skin Materiality: Wood Dimension: 8m x 0,31m x 0,17m</p>	<p>C5</p>  <p>Name: Squared Log Category: Outer Skin Materiality: Wood Dimension: 6,45m x 0,31m x 0,17m</p>	<p>C6, 6.1, 6.2</p>  <p>Name: Round Log Category: Outer Skin Materiality: Wood Dimension: 6,45m range length, 0,15m-0,25m Dia</p>	<p>C7, 7.1, 7.2</p>  <p>Name: Round Log Category: Outer Skin Materiality: Wood Dimension: 2,4m, 0,15m Dia, 0,25m Dia</p>	<p>D1</p>  <p>Name: Beam Category: Internal Structure Materiality: Wood Dimension: 3,75m x 0,35m x 0,5m</p>	<p>D2</p>  <p>Name: Column Category: Internal Structure Materiality: Wood Dimension: 2,1m x 0,31m x 0,1m</p>
<p>D3</p>  <p>Name: Central Beam Category: Internal Structure Materiality: Wood Dimension: 6,9m x 0,35m x 0,5m</p>	<p>D4</p>  <p>Name: Beam Category: Internal Structure Materiality: Wood Dimension: 2,7m x 0,35m x 0,5m</p>	<p>E1</p>  <p>Name: Window Category: Openings Materiality: Wood Dimension: 0,8m x 0,4m</p>	<p>E2, 2.1, 2.2, 2.3, 2.4</p>  <p>Name: Door 2.1-Jamb's, 2.2-Planks, 2.3-Top Rail, 2.4-Hinges Category: Openings Materiality: Wood Dimension: 1,53m, 2,05, 1,7 m, 0,8m, 2,3x0,55m, 1,5x2,3x0,55m</p>	<p>E3, 3.1</p>  <p>Name: Door Category: Openings Materiality: Wood Dimension:</p>	<p>E3, 2, 3.3, 3.4</p>  <p>Name: Door Category: Openings Materiality: Wood Dimension:</p>	<p>F1</p>  <p>Name: Round Log Category: Roof Structure Materiality: Wood Dimension: 0,9m x 0,28m diameter</p>
<p>F1</p>  <p>Name: Round Log Category: Roof Structure Materiality: Wood Dimension: 0,9m x 0,28m diameter</p>	<p>F2</p>  <p>Name: Round Log Category: Roof Structure Materiality: Wood Dimension: 0,3m x 0,28m dia.</p>	<p>F3</p>  <p>Name: Round Log Category: Roof Structure Materiality: Wood Dimension: 0,9m x 0,28m diameter</p>	<p>F4</p>  <p>Name: Round Log Category: Roof Structure Materiality: Wood Dimension: 3,6m length x 0,28m diameter</p>	<p>F5</p>  <p>Name: Block Category: Roof Structure Materiality: Wood Dimension: 0,37x0,32x0,17m</p>	<p>F6</p>  <p>Name: Beam Category: Roof Structure Materiality: Wood Dimension: 0,24x0,14x0,3m</p>	<p>F7</p>  <p>Name: Rafters Category: Roof Covering Materiality: Wood Dimension: 0,2x0,05x0,95m</p>
<p>F8</p>  <p>Name: Roof Tiles Category: Roof Materiality: Slate stone Dimension: range length 0,3-0,4m, range width 0,3-0,4m</p>						

C3



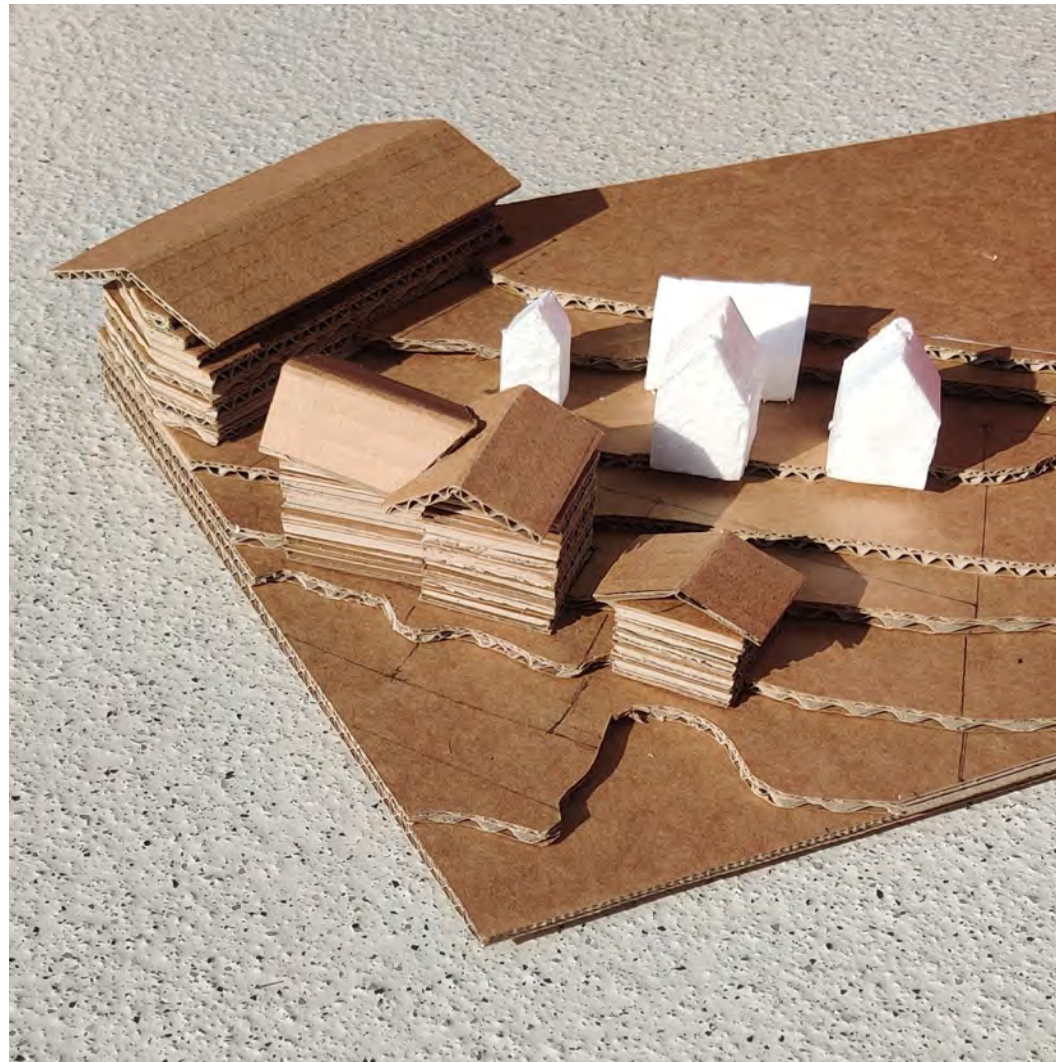
Name: Squared Log
Category: Outer Skin
Materiality: Wood
Dimension: 2.45m x 0.31m x 0.17m



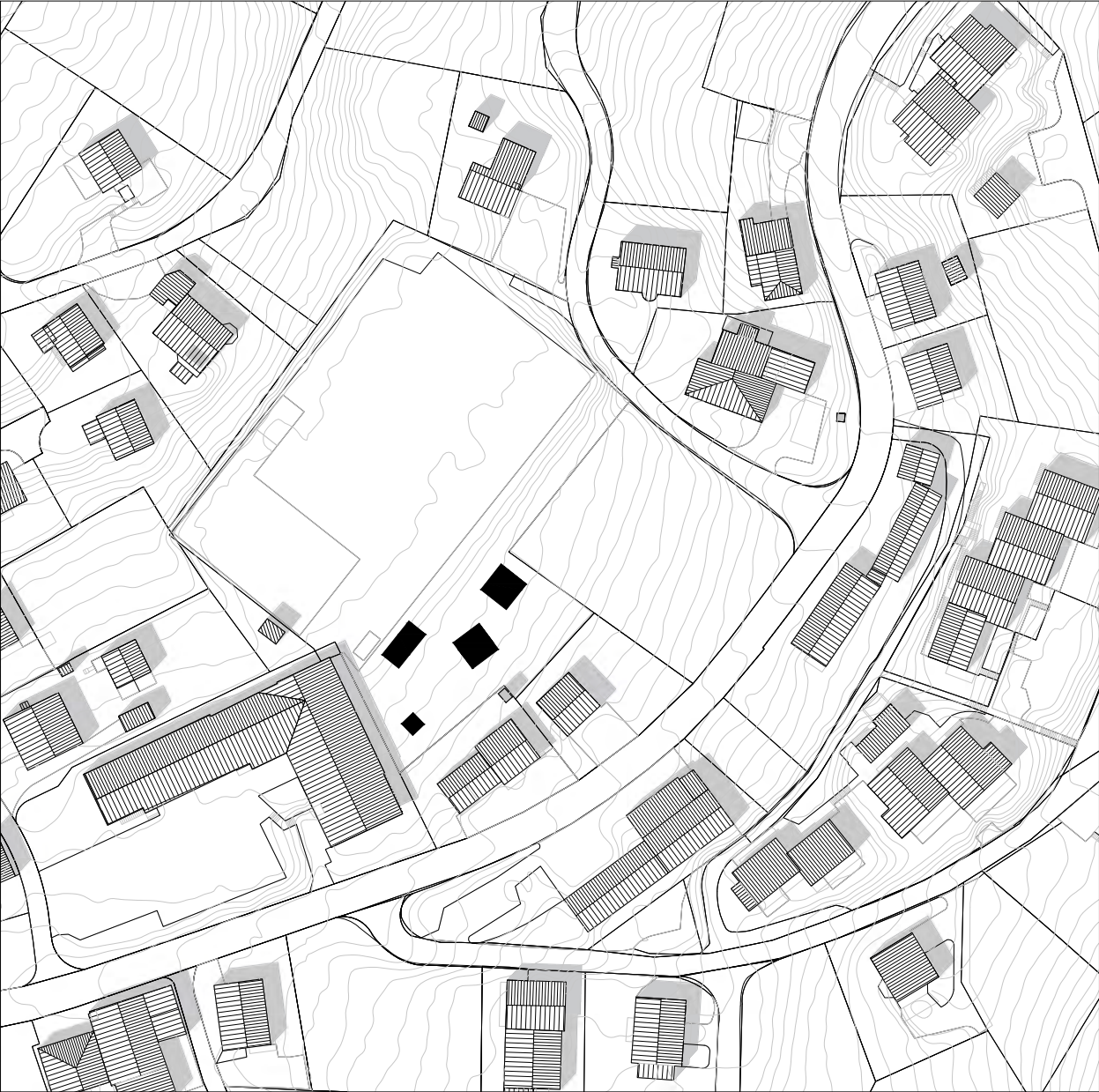
Concept



Model scale 1:200



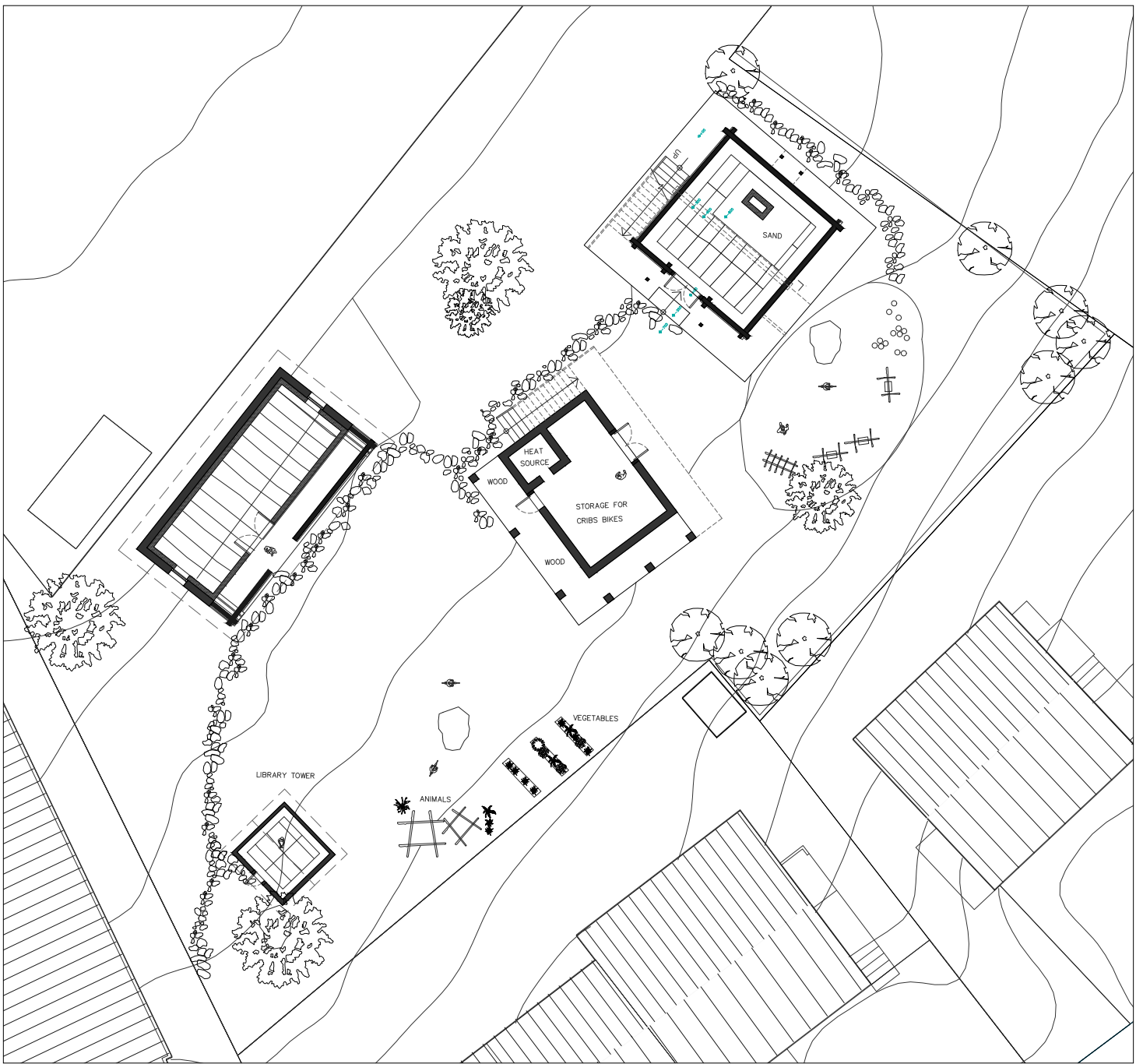
Model scale 1:200

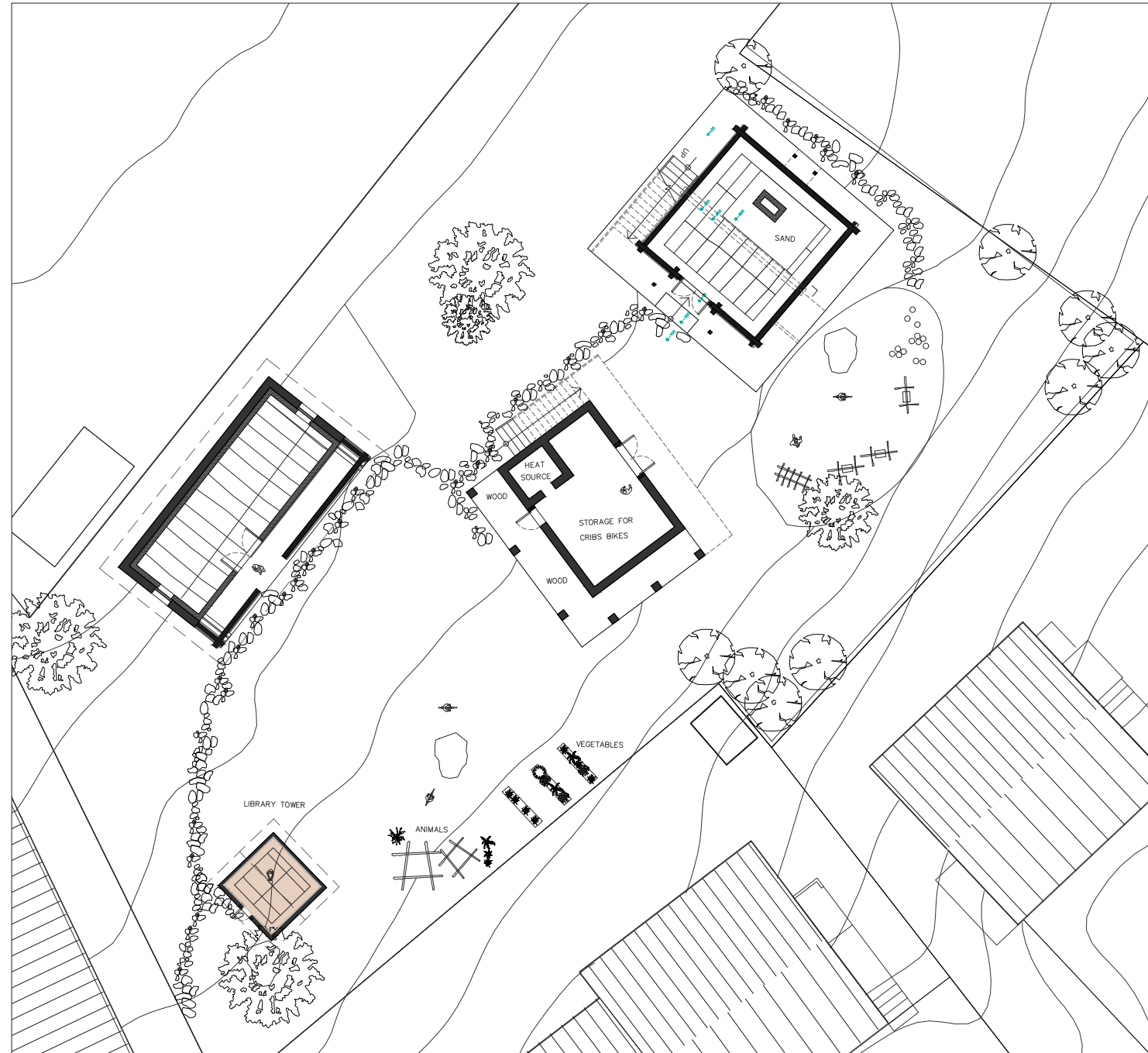


Site Plan

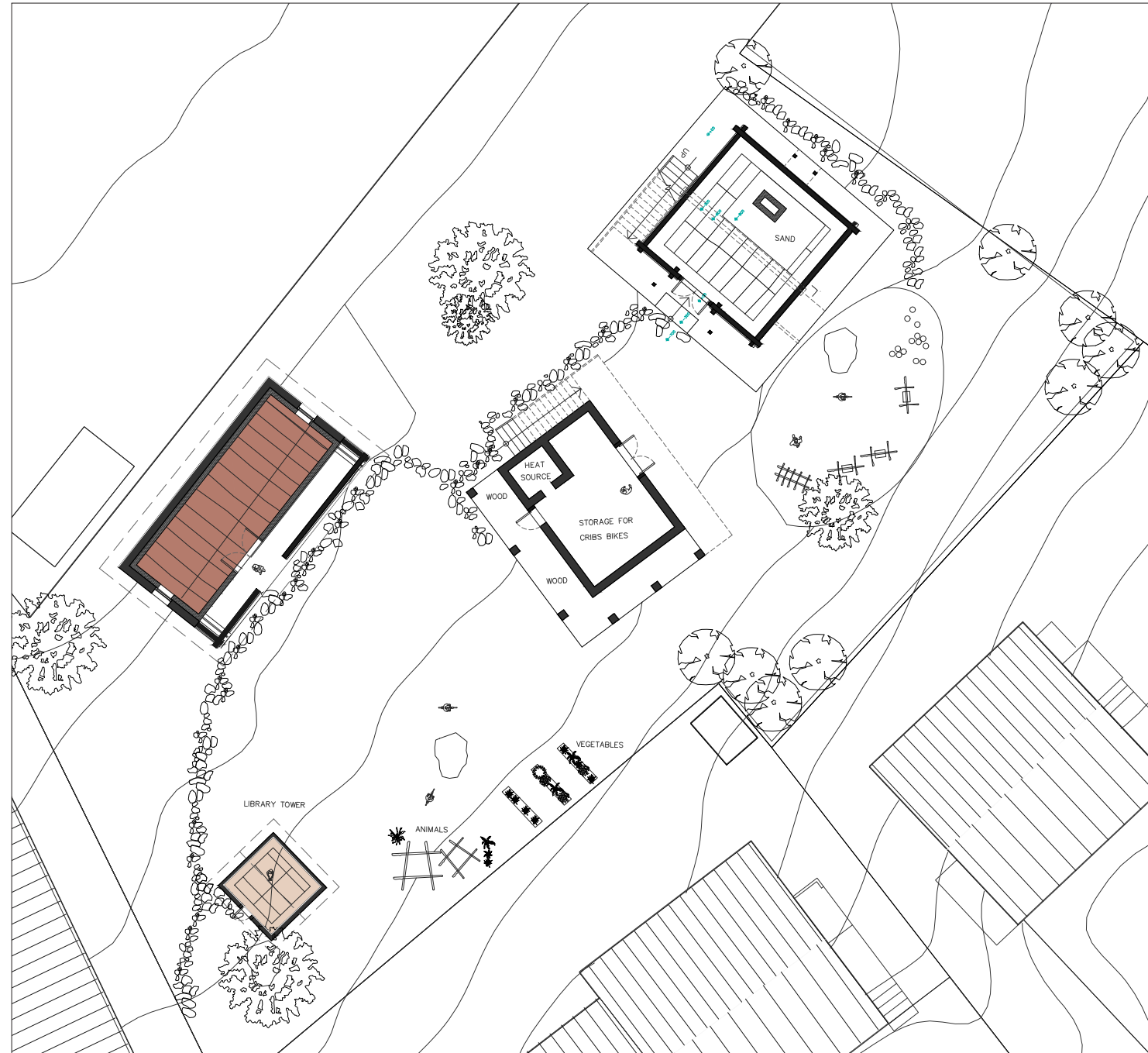


Site Model 1:500

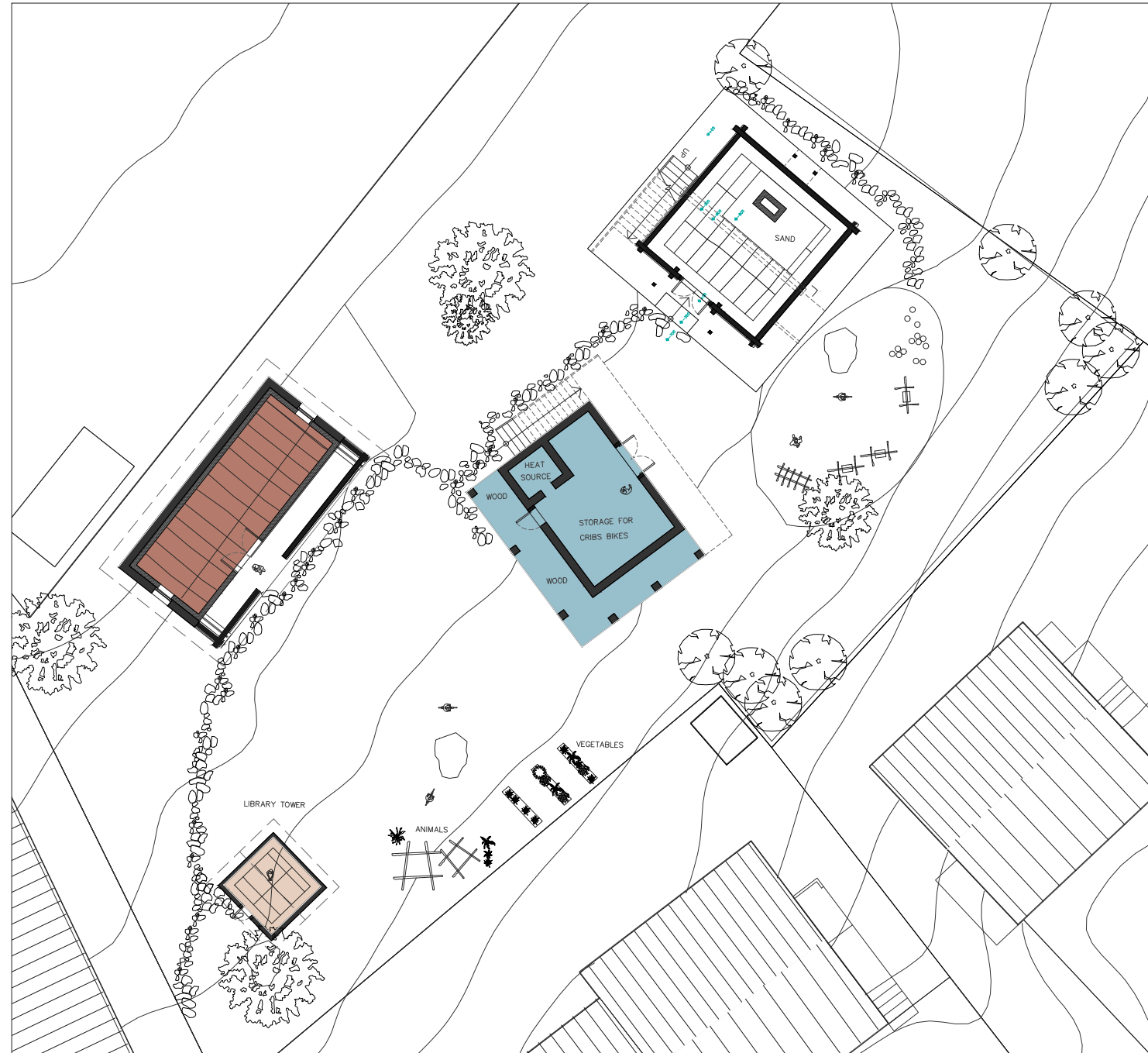




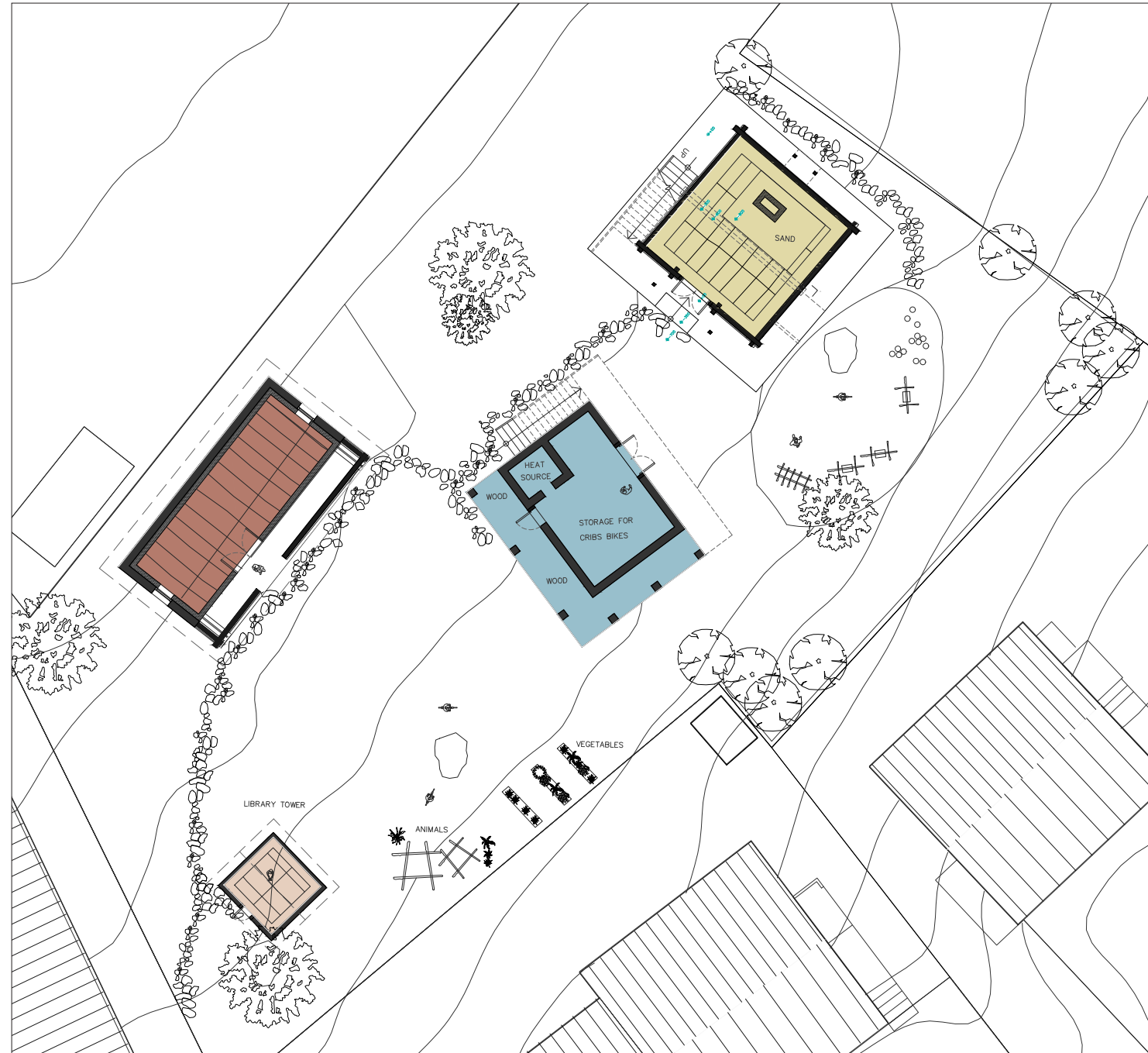
LIBRARY TOWER



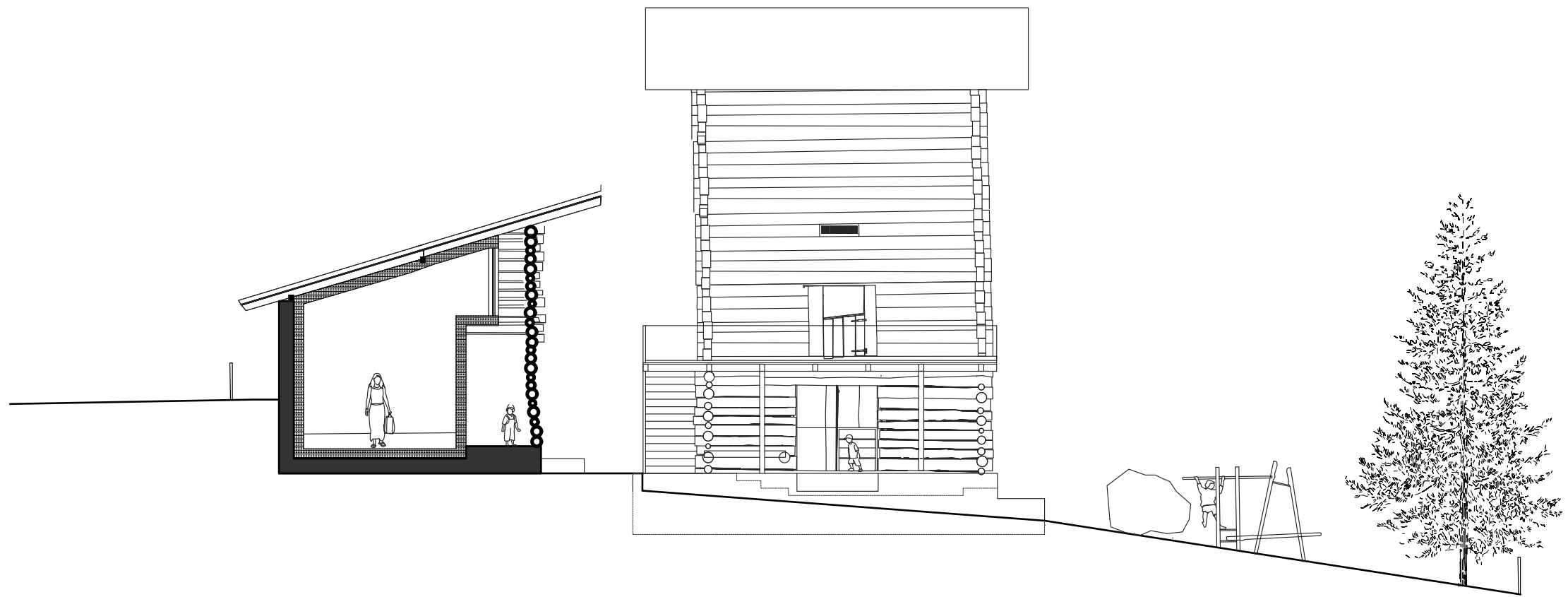
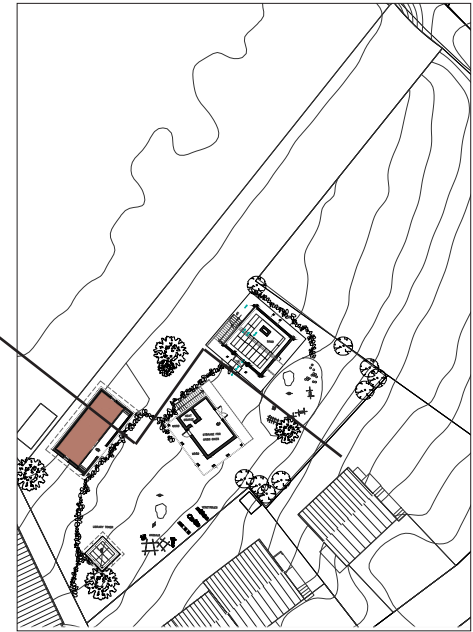
MULTIPURPOSE SPACE



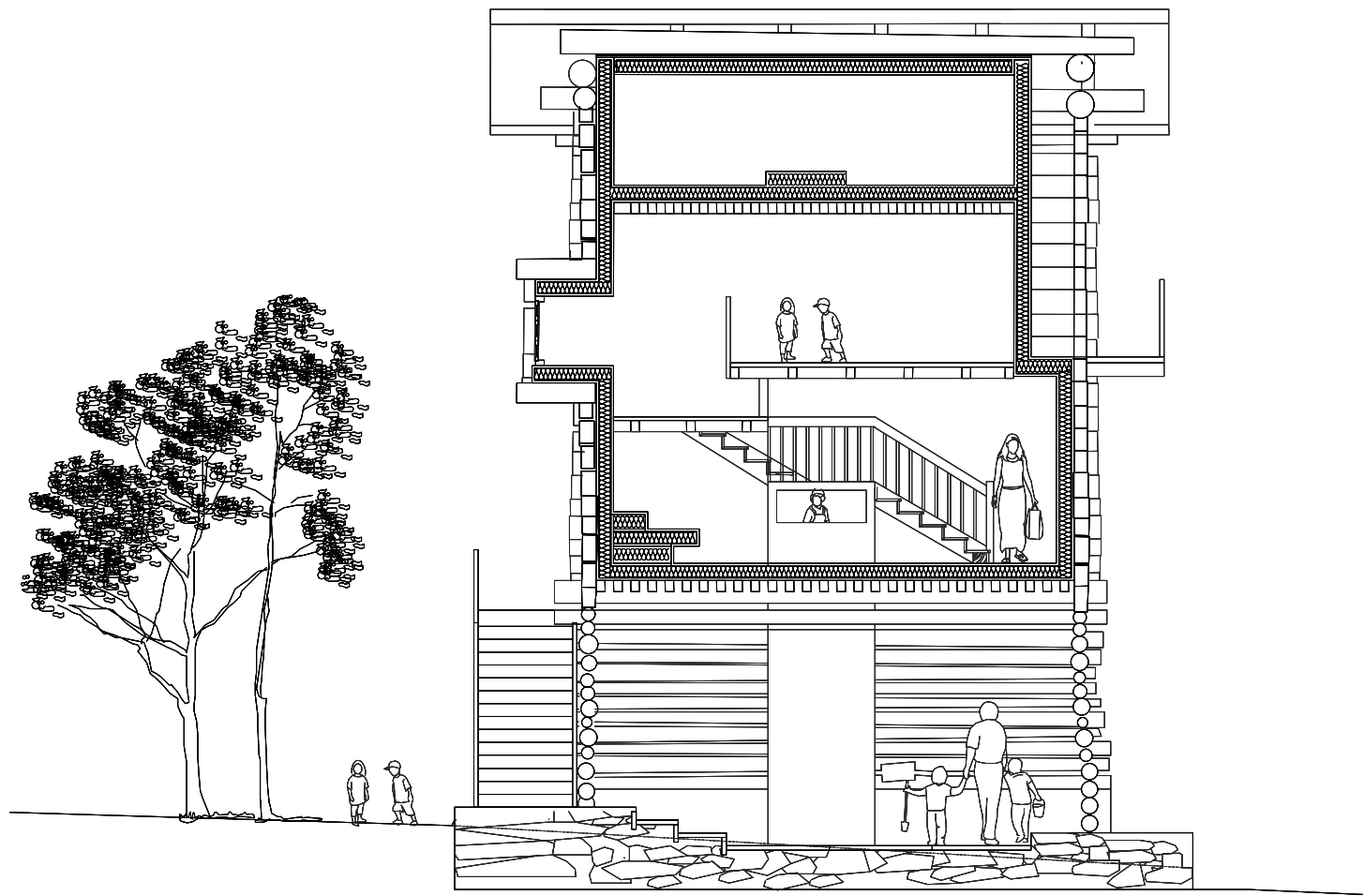
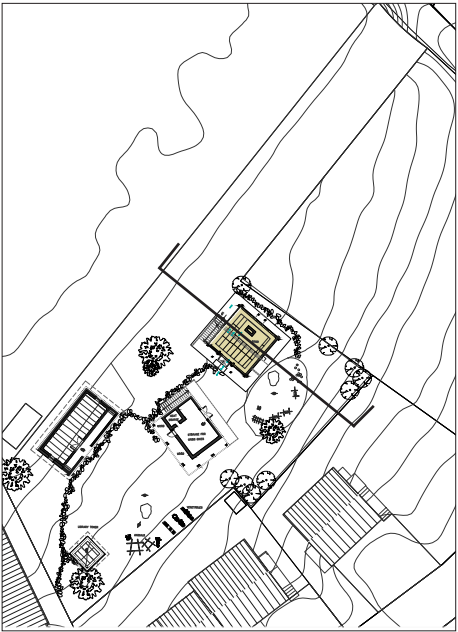
KITCHEN-ADMINISTRATION



CHILDRENS PLAY AREA

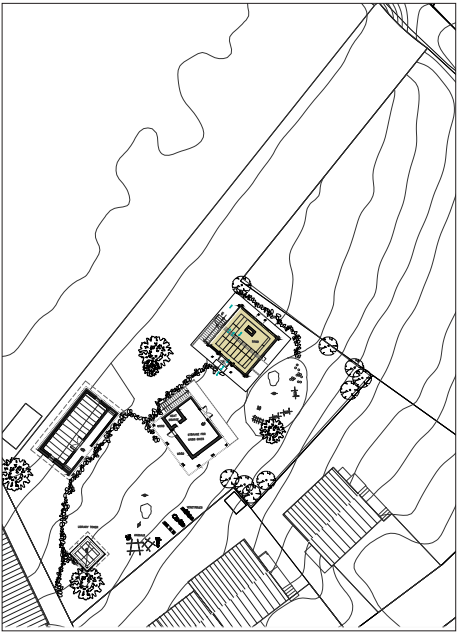
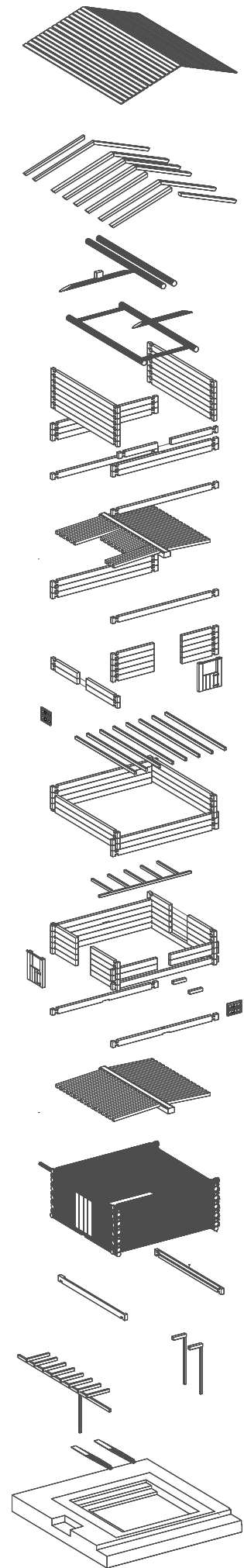


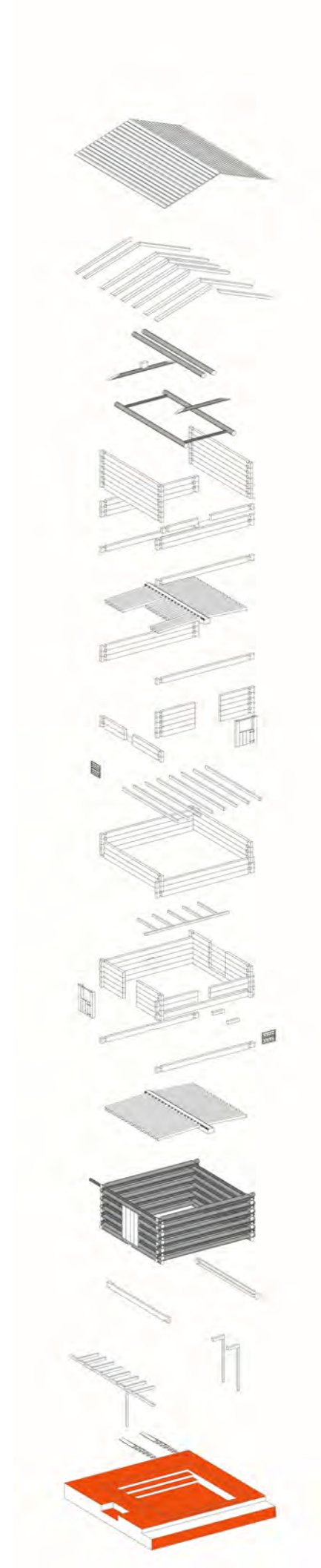
SECTION-MULTIPURPOSE SPACE



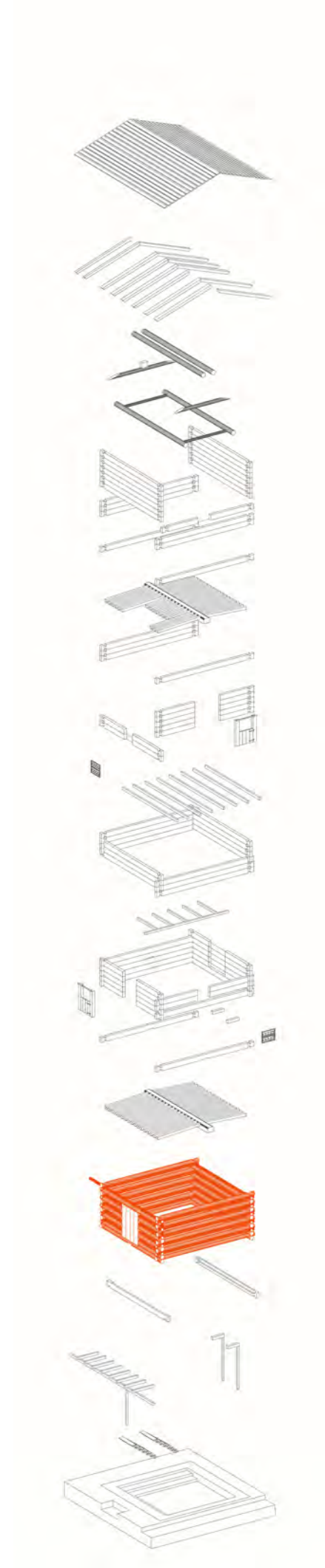
PLAY AREA



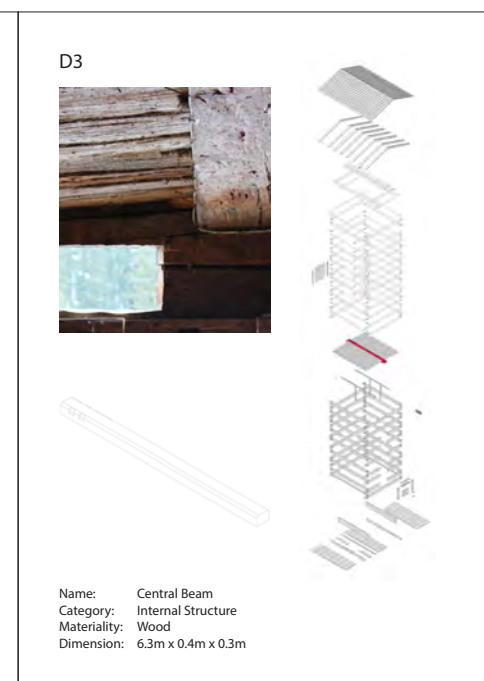
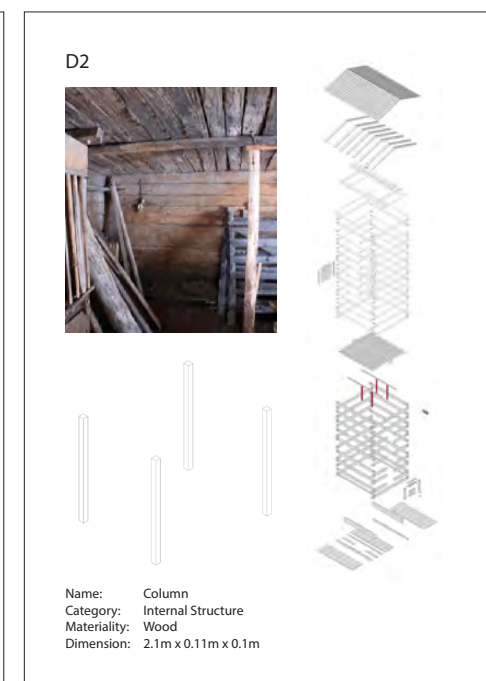
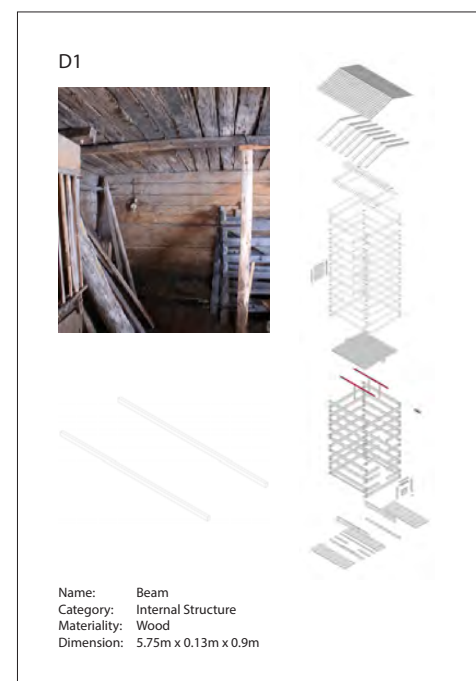
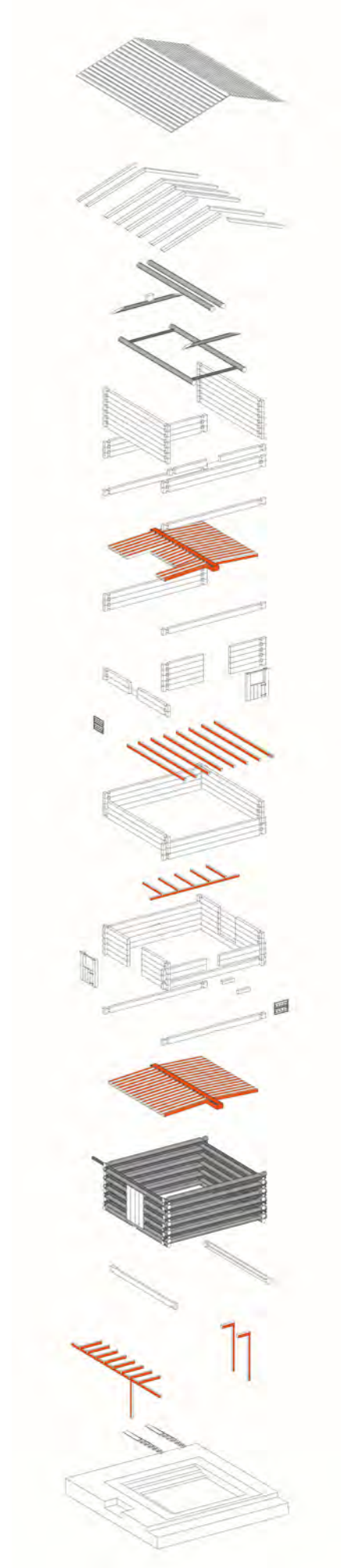




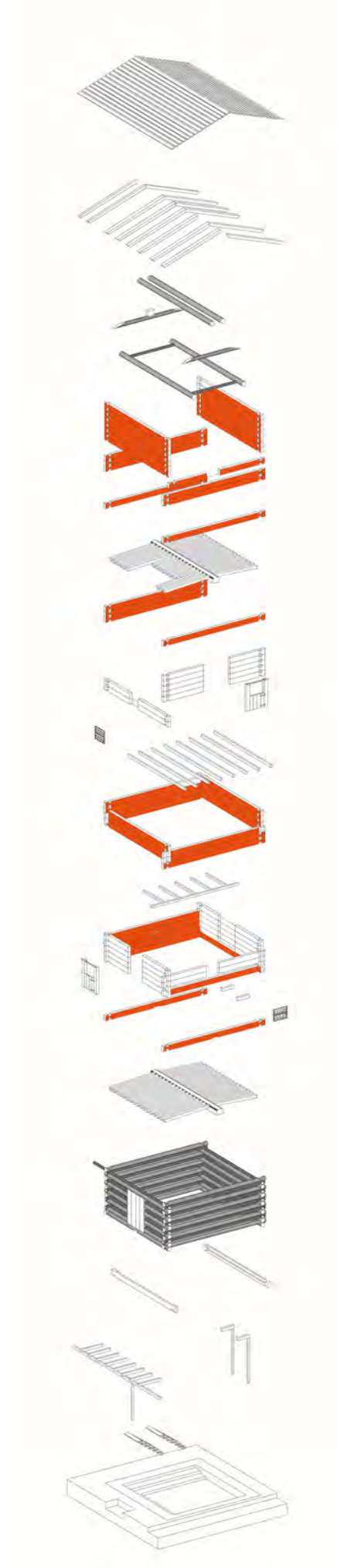
CATEGORY A- BASE STONE
USED TO CREATE NEW LEVELS



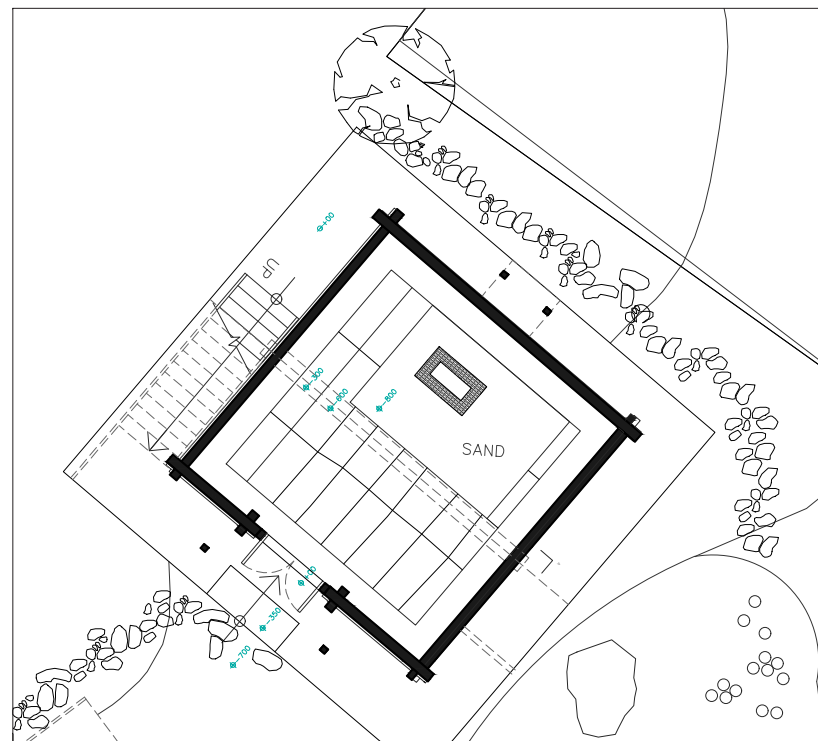
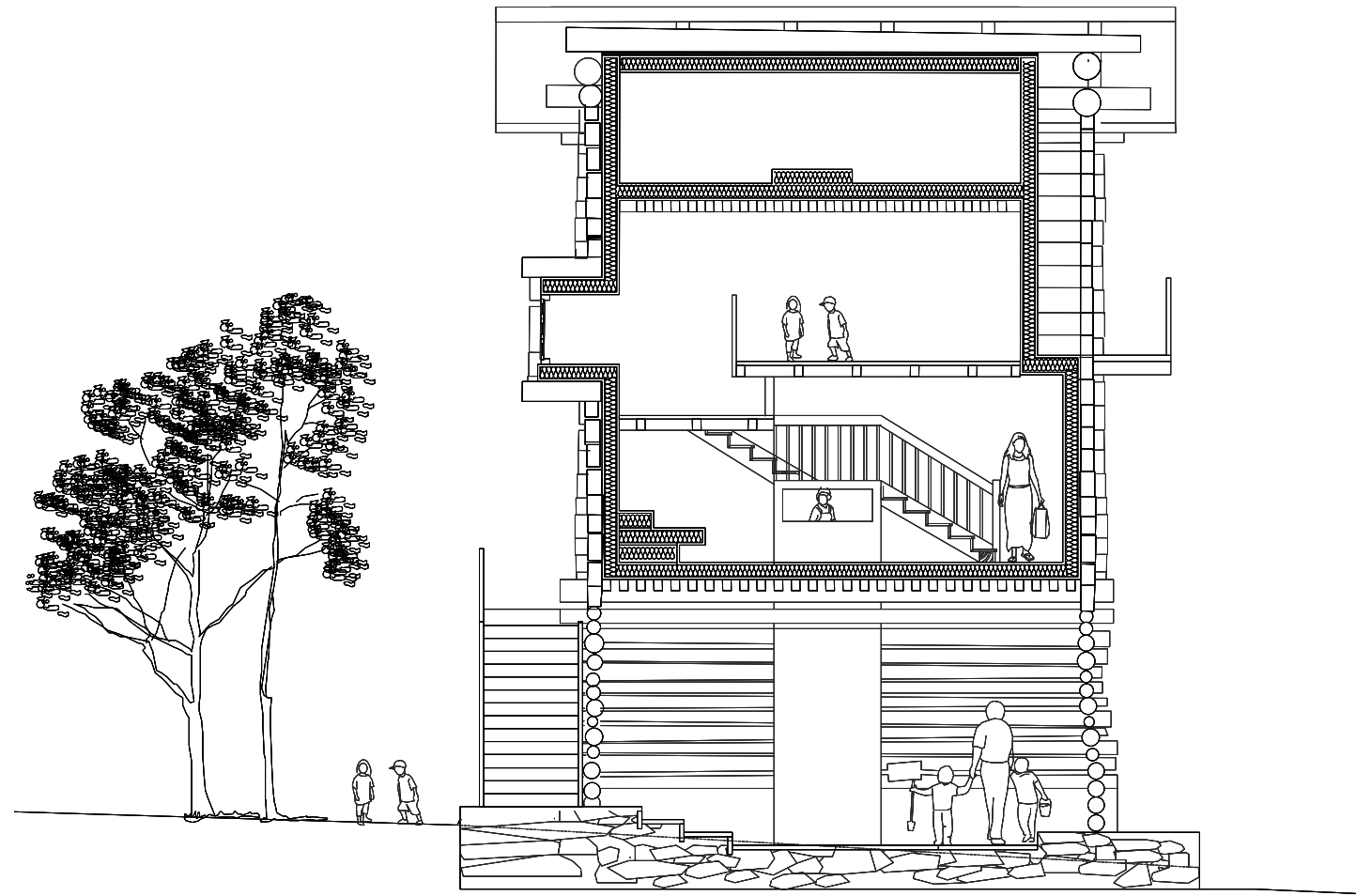
CATEGORY C-OUTER SKIN
USED AS IT IS BY CHANGING THE POSITION TO THE GROUND



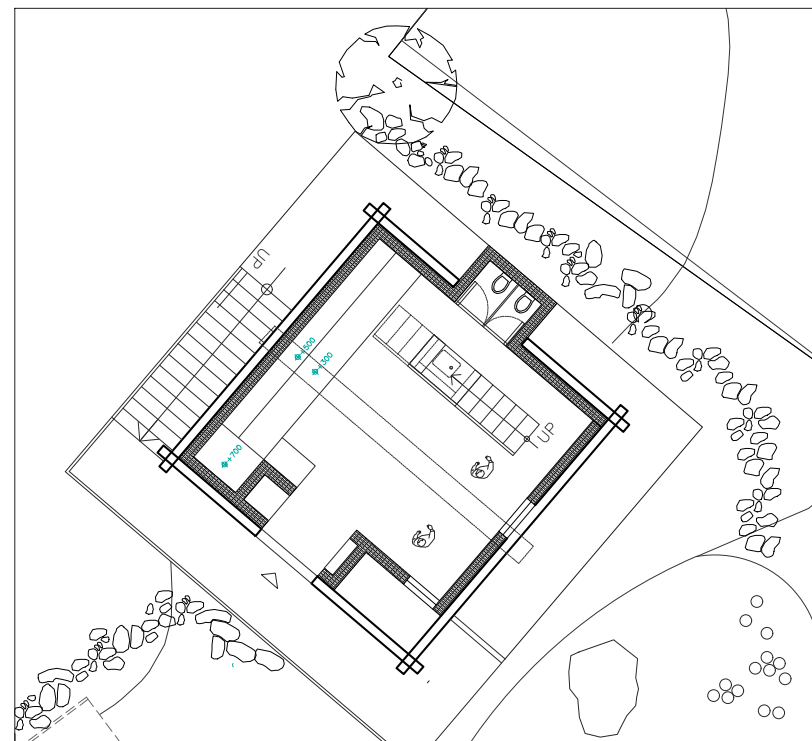
CATEGORY D-INTERNAL STRUCTURE
REPETITION 2 TIMES TO CREATE NEW FLOORS
AND VERTICAL SUPPORTS USED FOR SUPPORTING EXTERIOR
STAIRCASES
HORIZONTAL SUPPORTS USED FOR CREATING NEW INTERMEDIATE
FLOORS



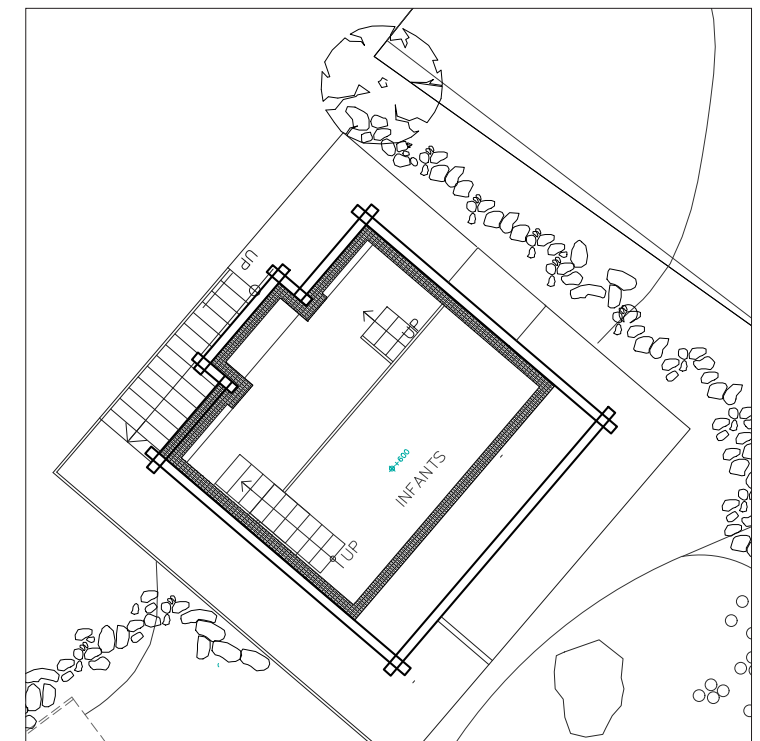
CATEGORY C-OUTER SKIN
REPETITION 2TIMES TO CREATE NEW ENVELOPE



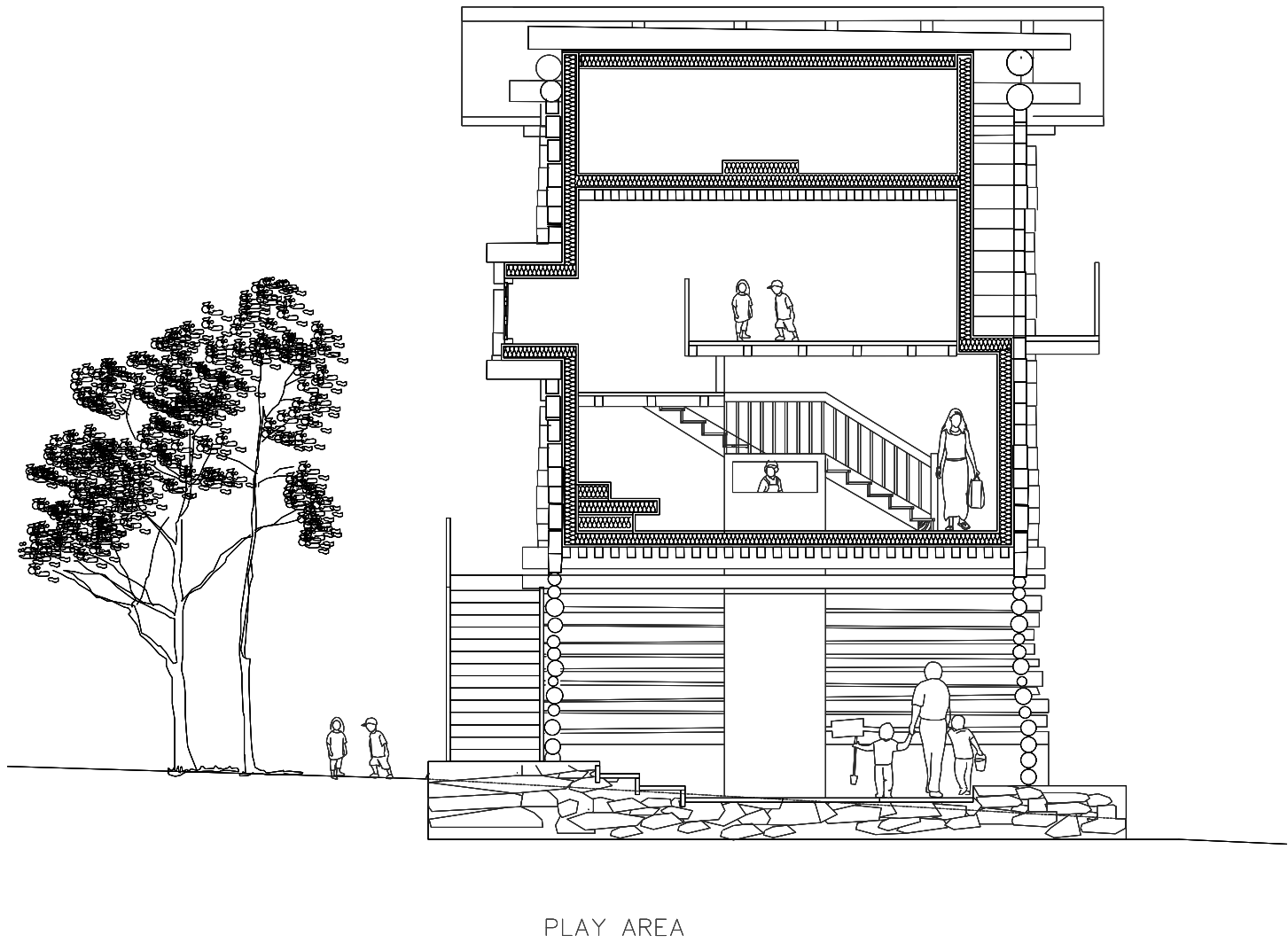
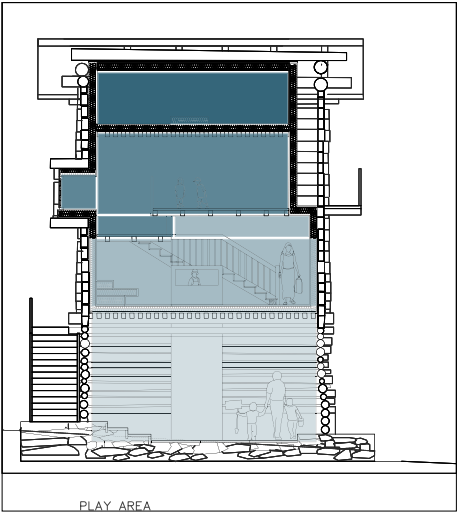
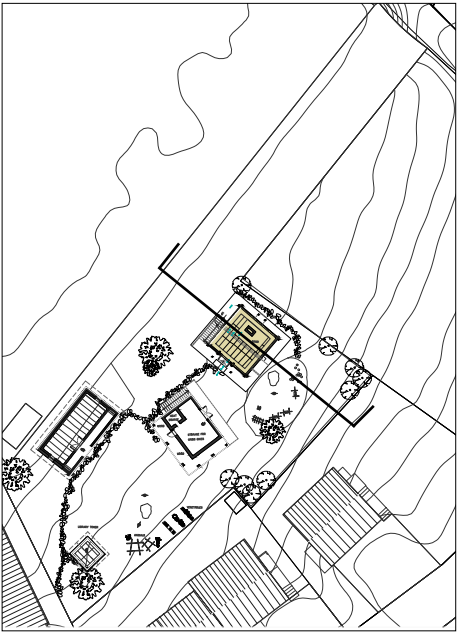
GROUND FLOOR PLAN
Wet /dirty Zone



First FLOOR PLAN
Children Play



Second floor plan
Infant s

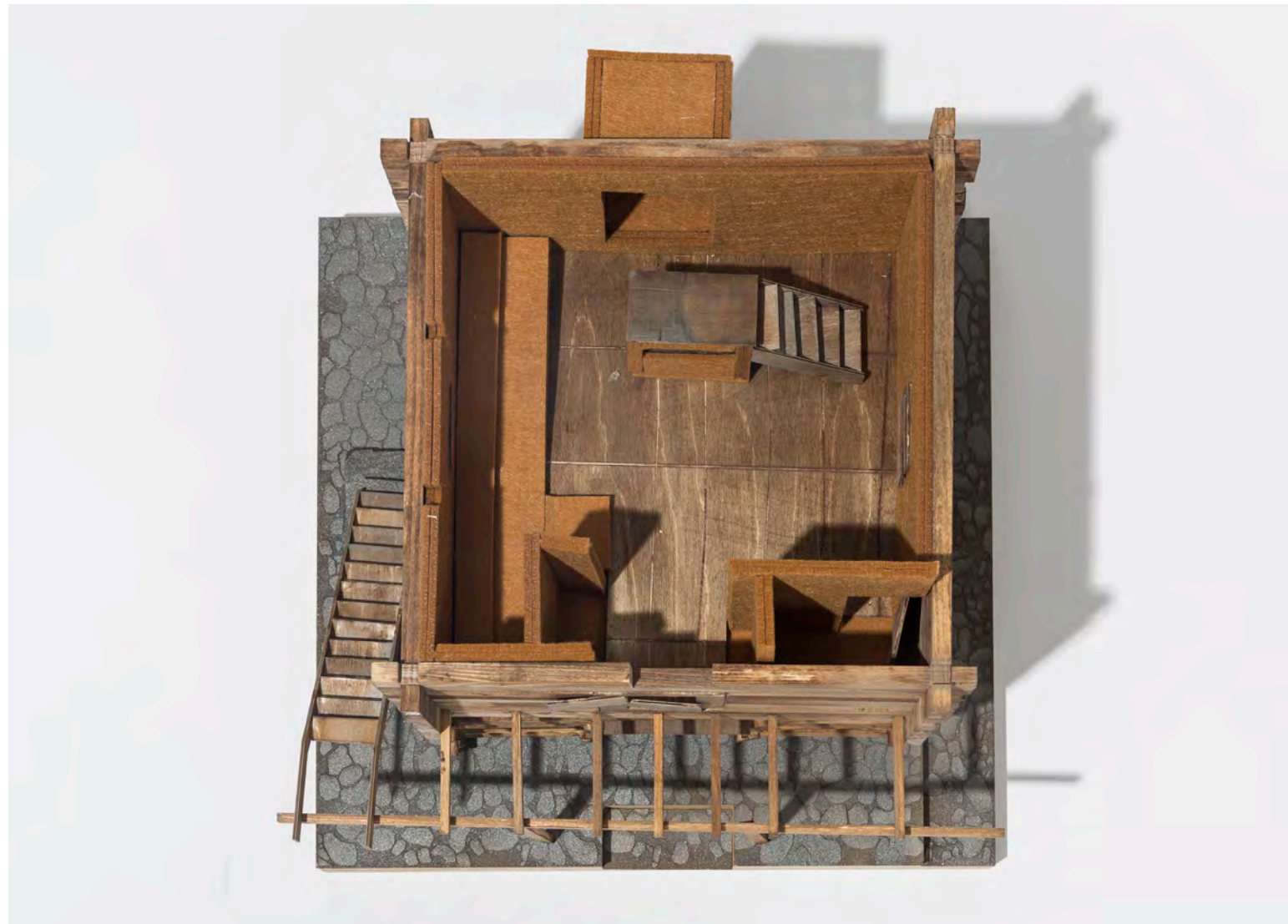




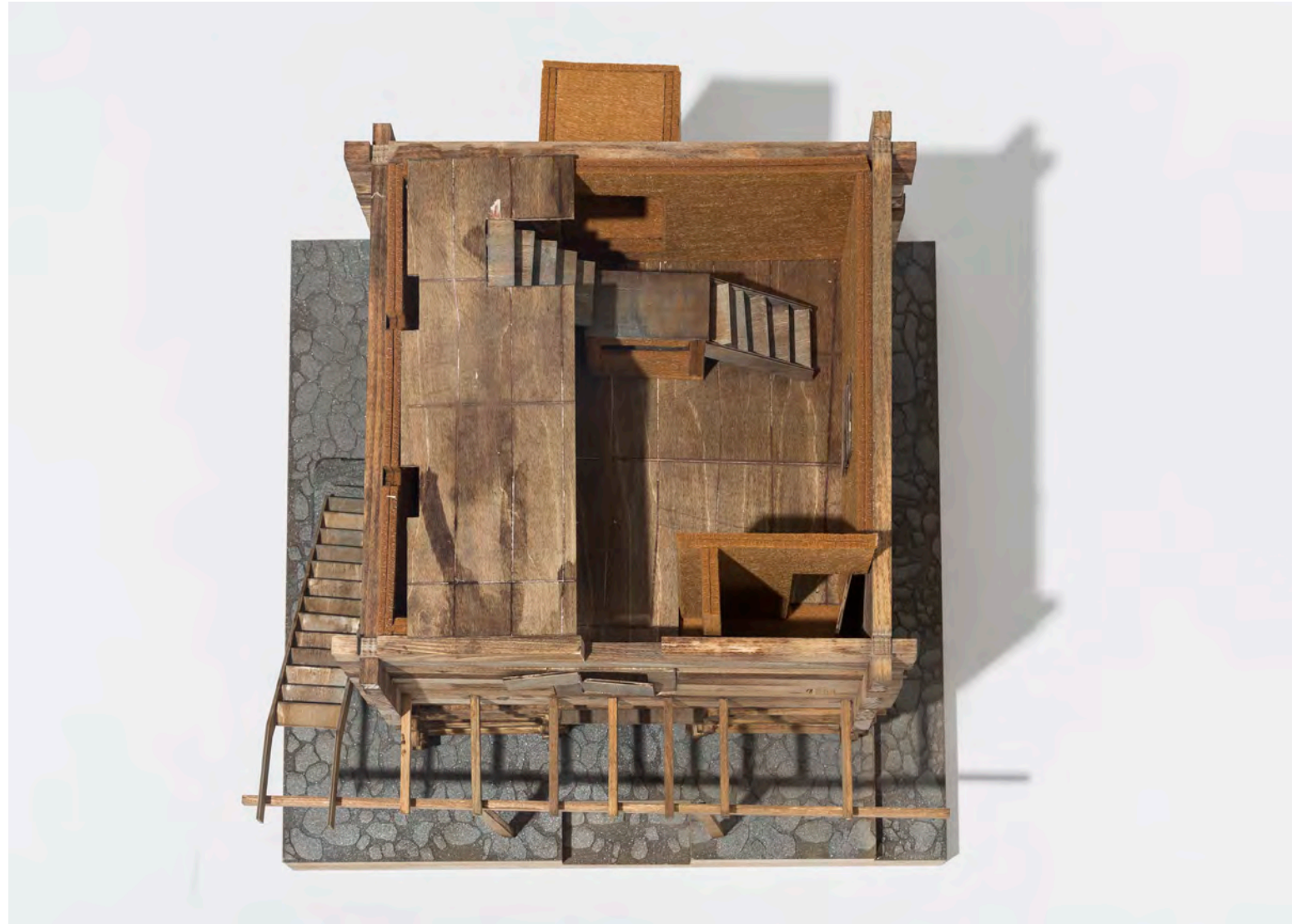
PLAY AREA
NORTH-EAST ELEVATION



Wet Play Area Ground Level



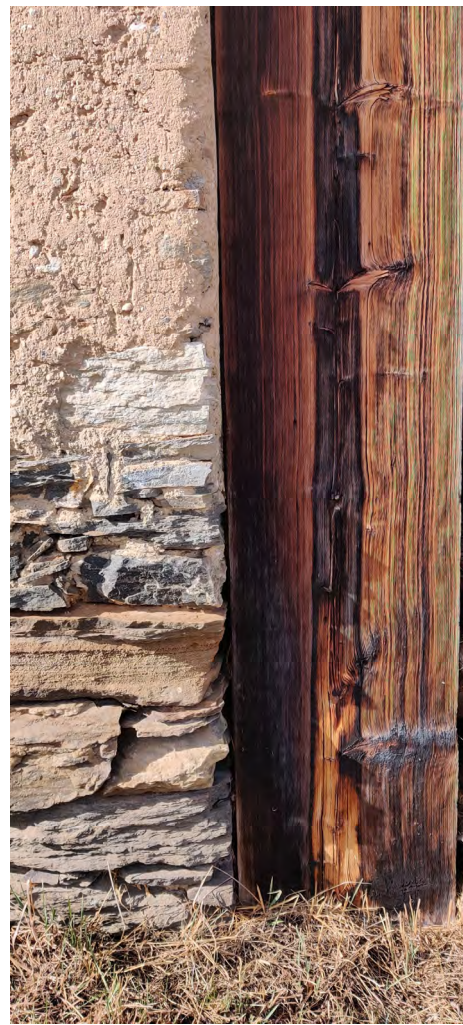
Dry Play Area First floor



Intermediate level first floor



Intermediate level first floor



Materials



BAukunst







Tests





Material Palette



Tests

