Reimagining Kopli

a multifaceted strategy to urban revitalization in Tallinn

Ana Carolina de Souza Mello

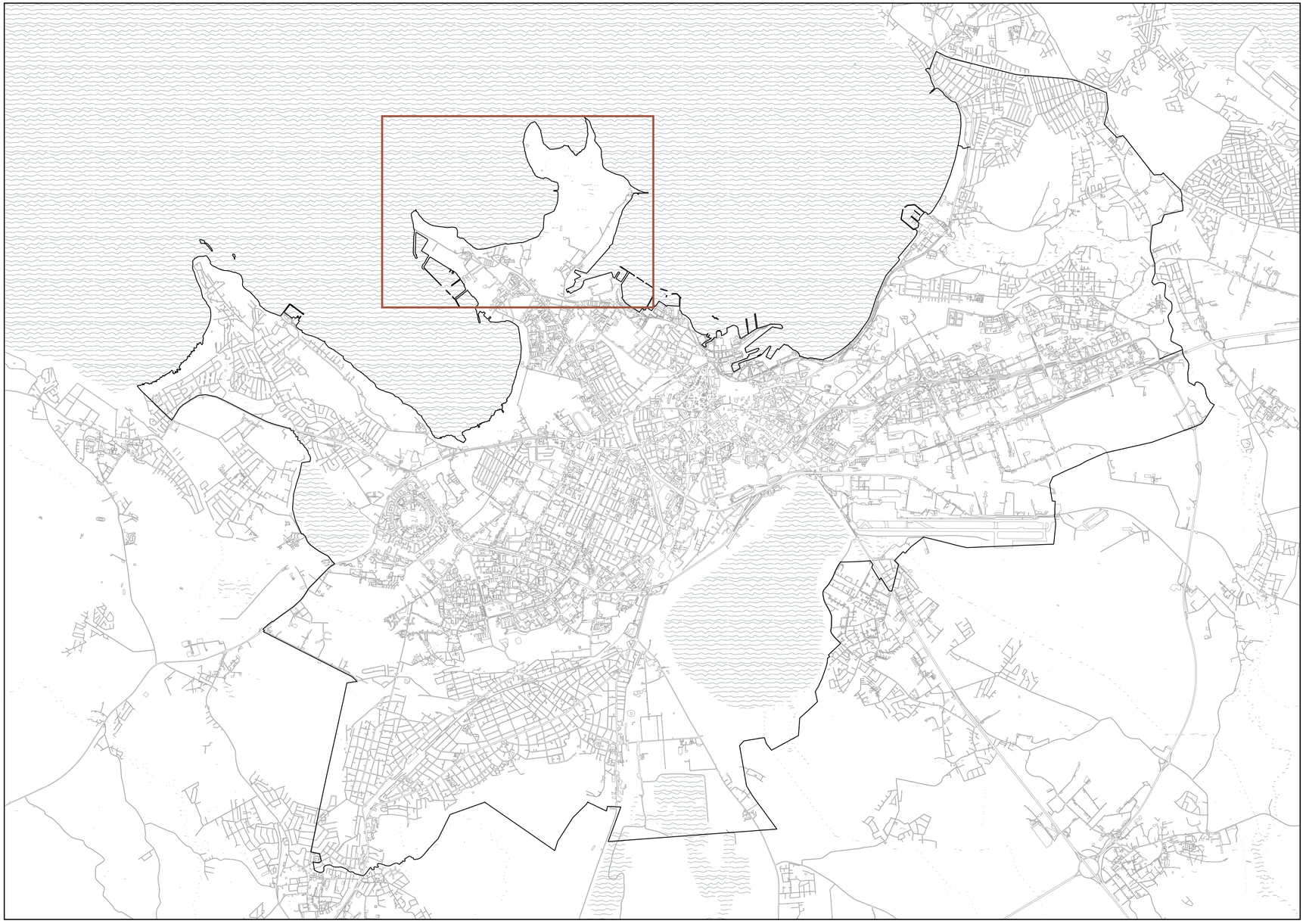
Methods of Analysis and Imagination
A Matter of Scale

Tallinn

location map

0 1 2 3 4km

Tallinn



location map

0 1 2 3 4km

Kopli peninsula

situation map

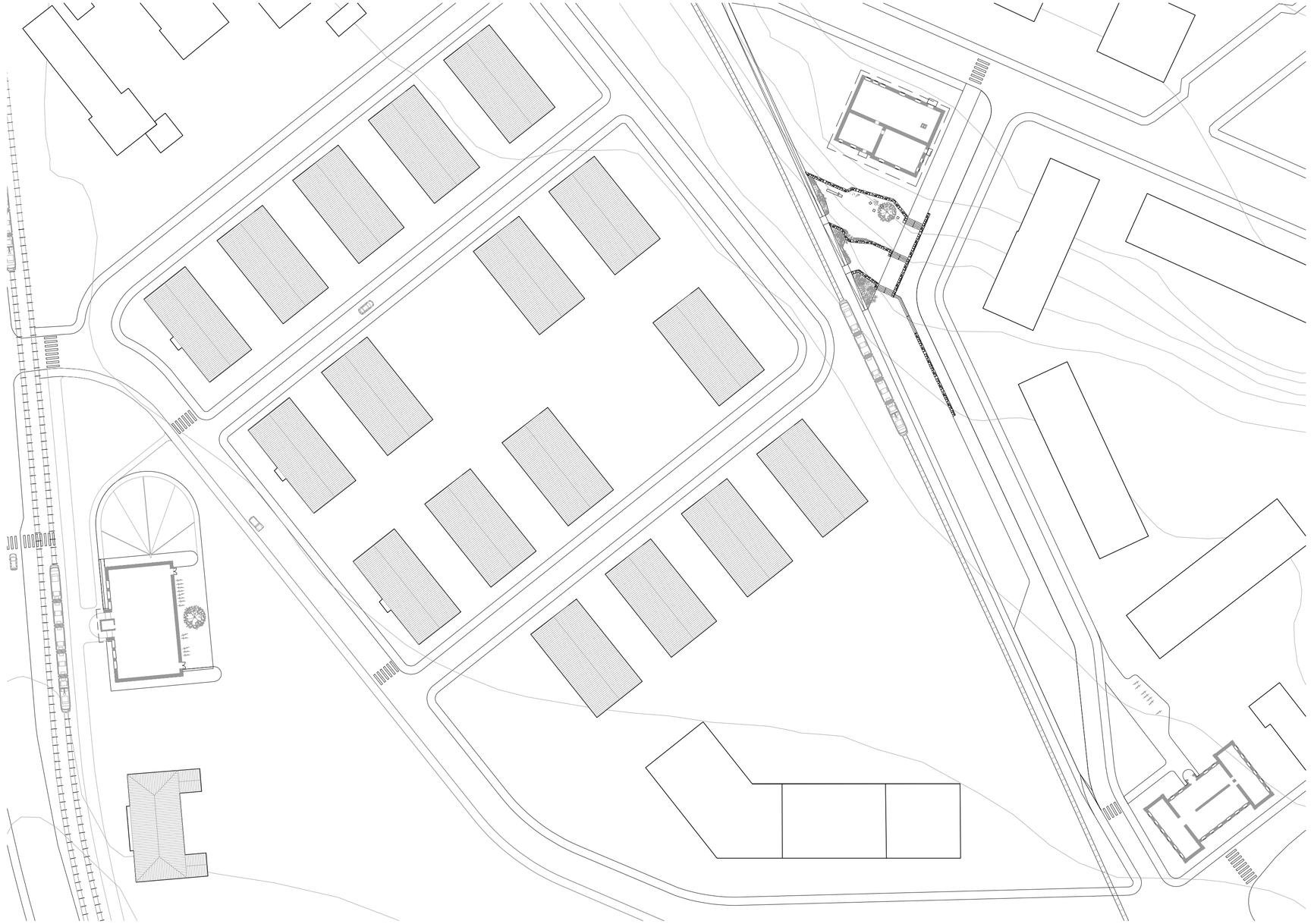
0 0.5 1km

Kopli peninsula

situation map

0 0.5 1km

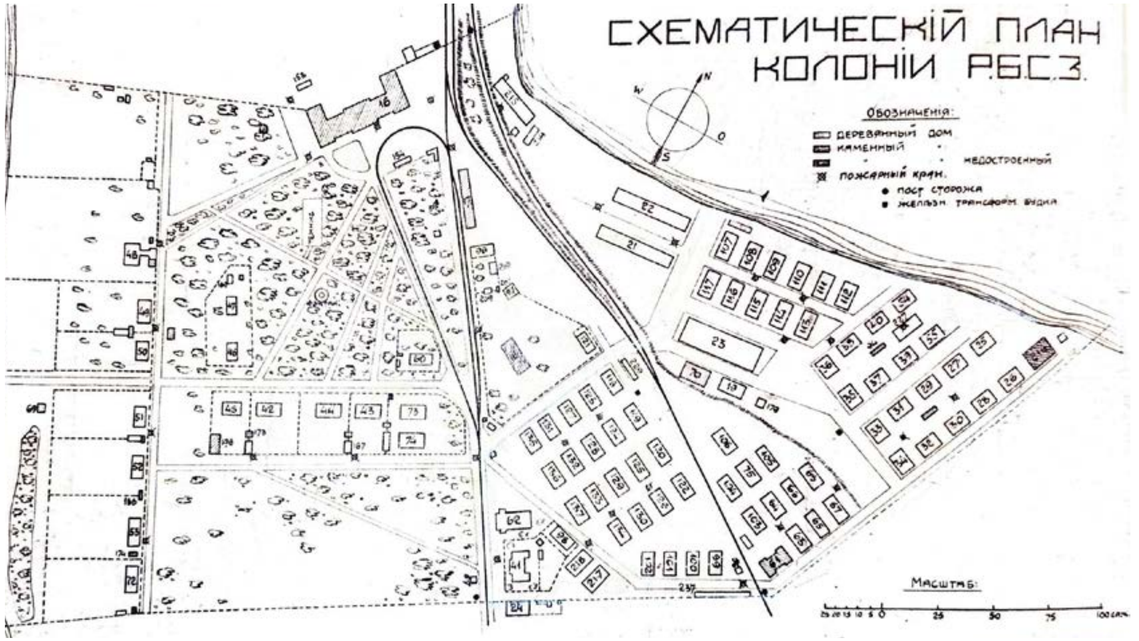
site



implantation

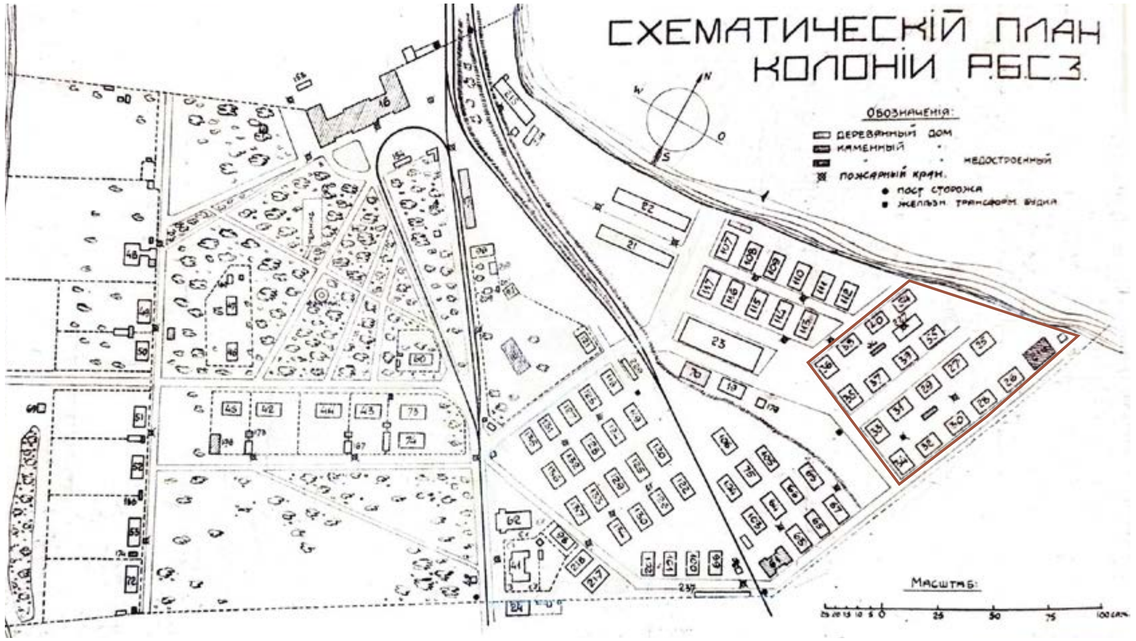
0 10 20 30m

historical context



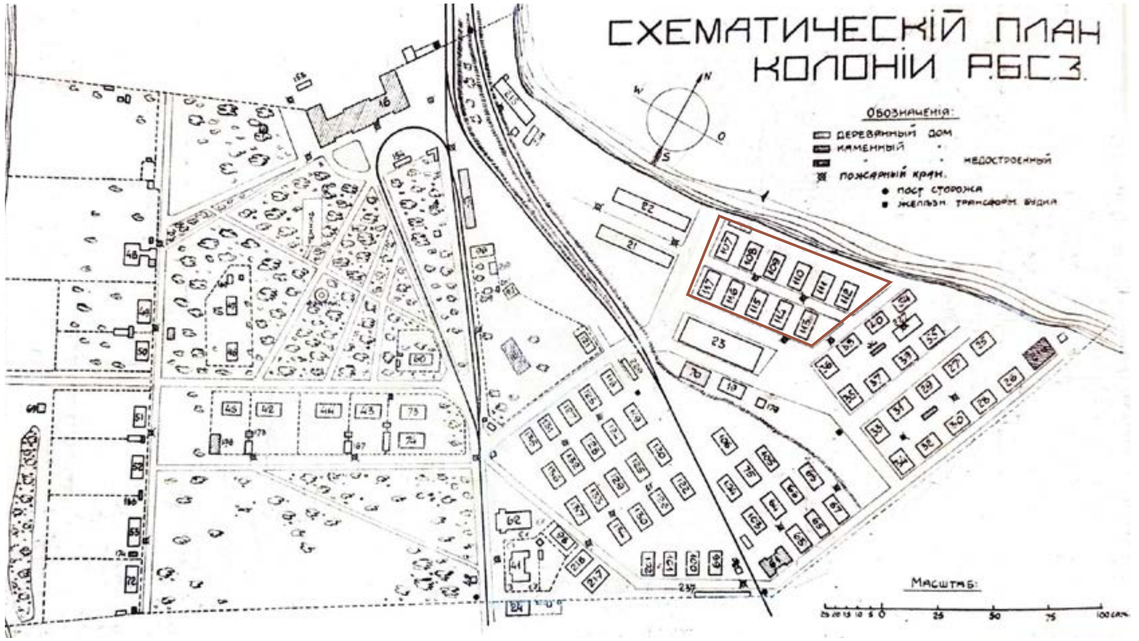
Aerial view of the Russo-Baltic factory (1920)

historical context



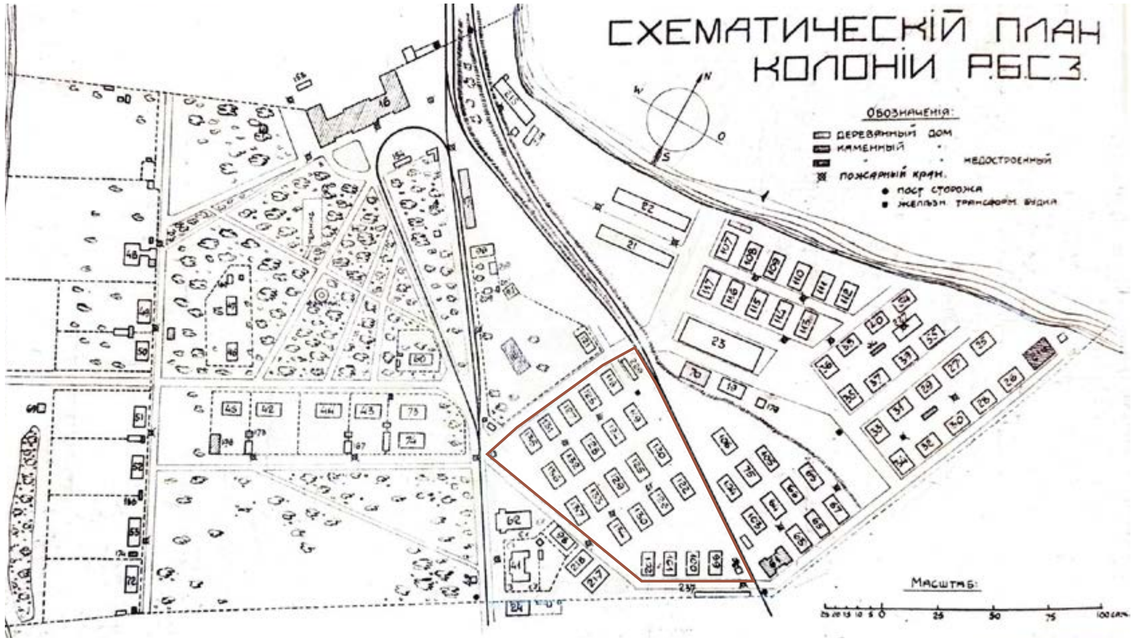
Workers dwellings (1913)

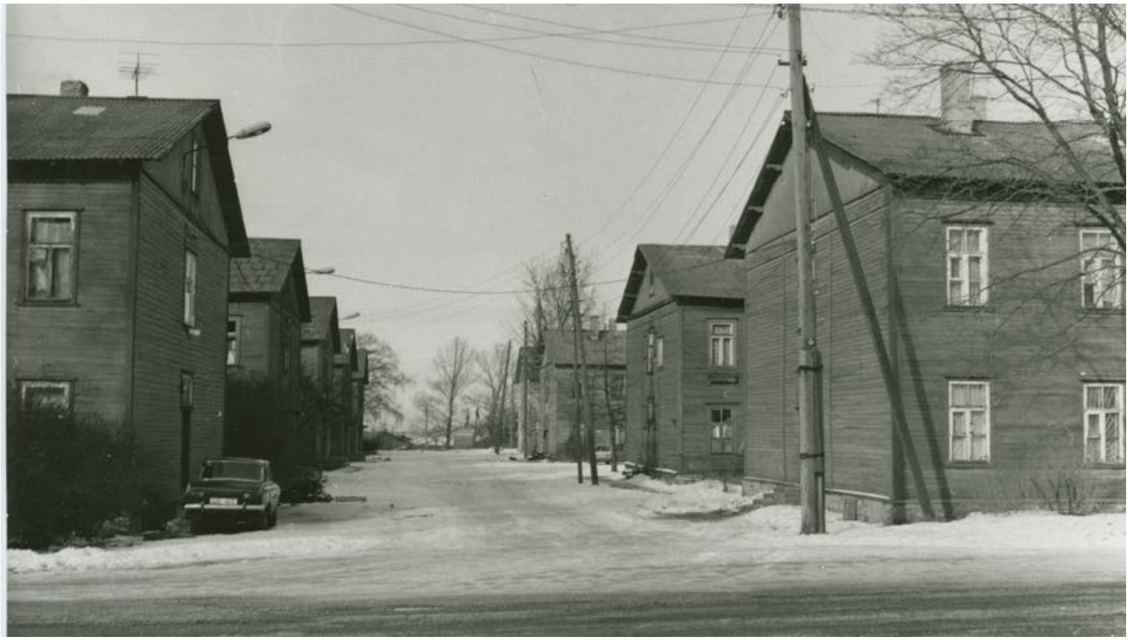
historical context



Workers dwellings

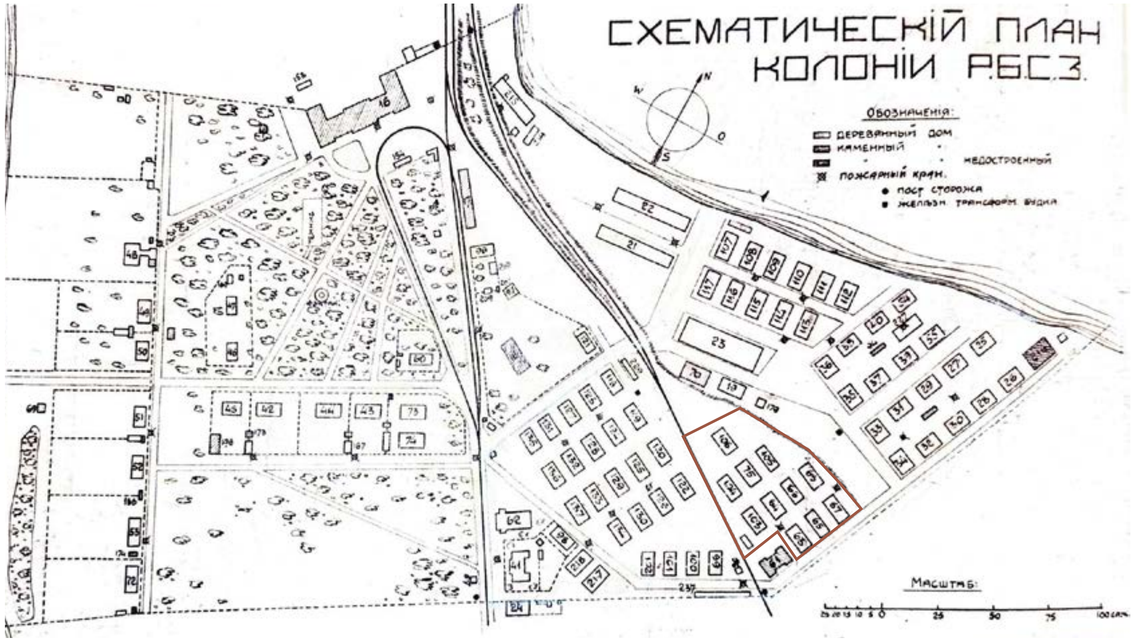
historical context





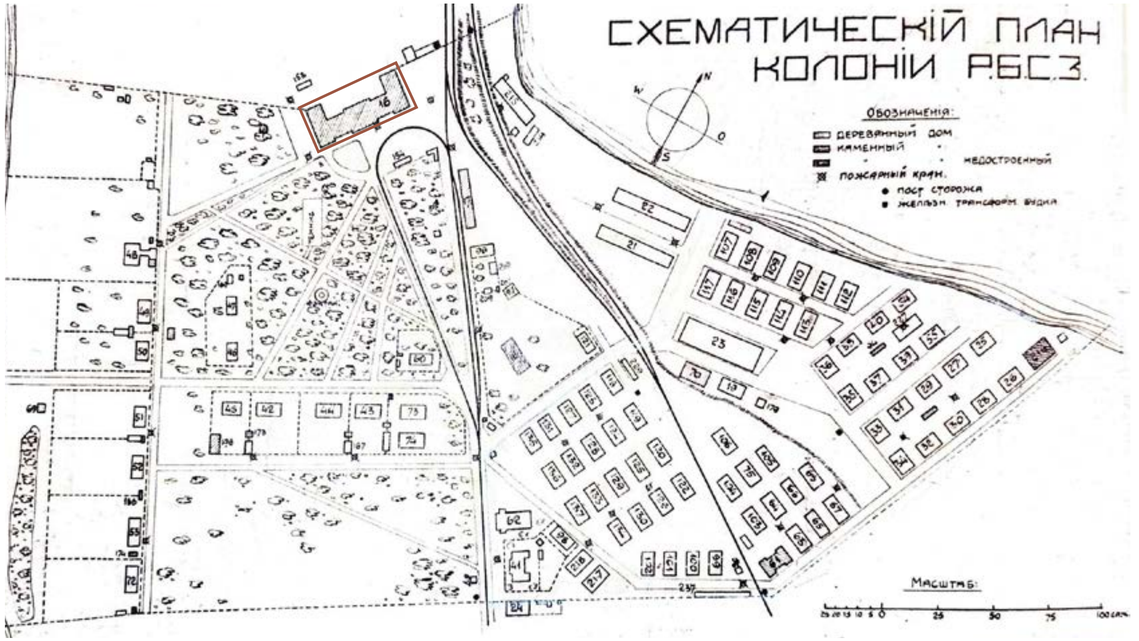
Workers dwellings

historical context



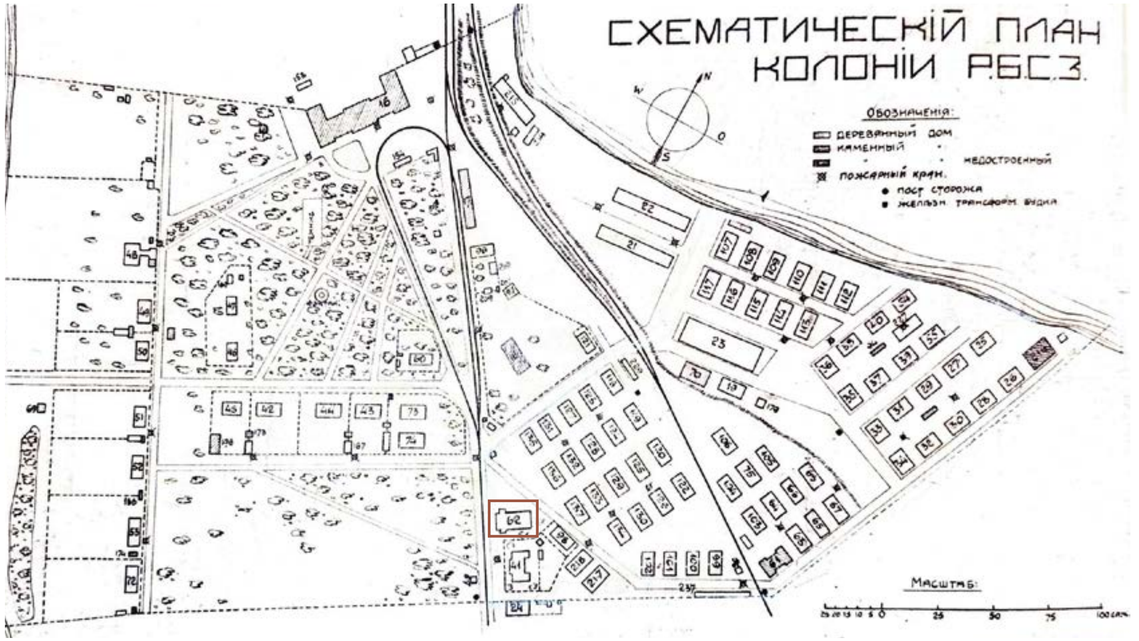
Workers dwellings

historical context



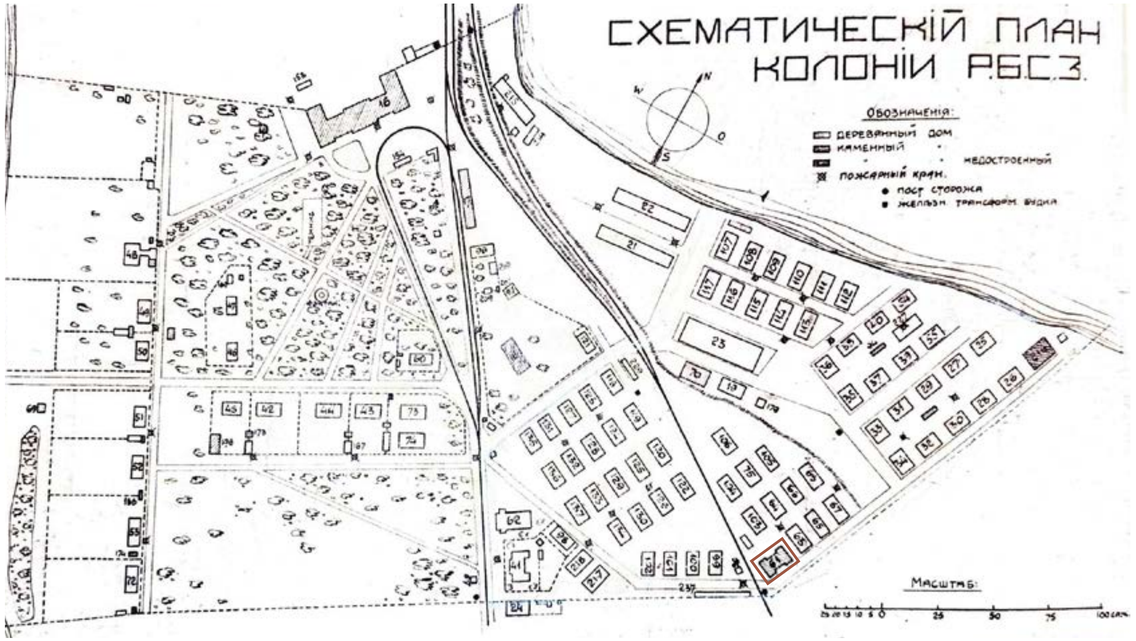
Russo-Beltic factory's main building (1916)

historical context



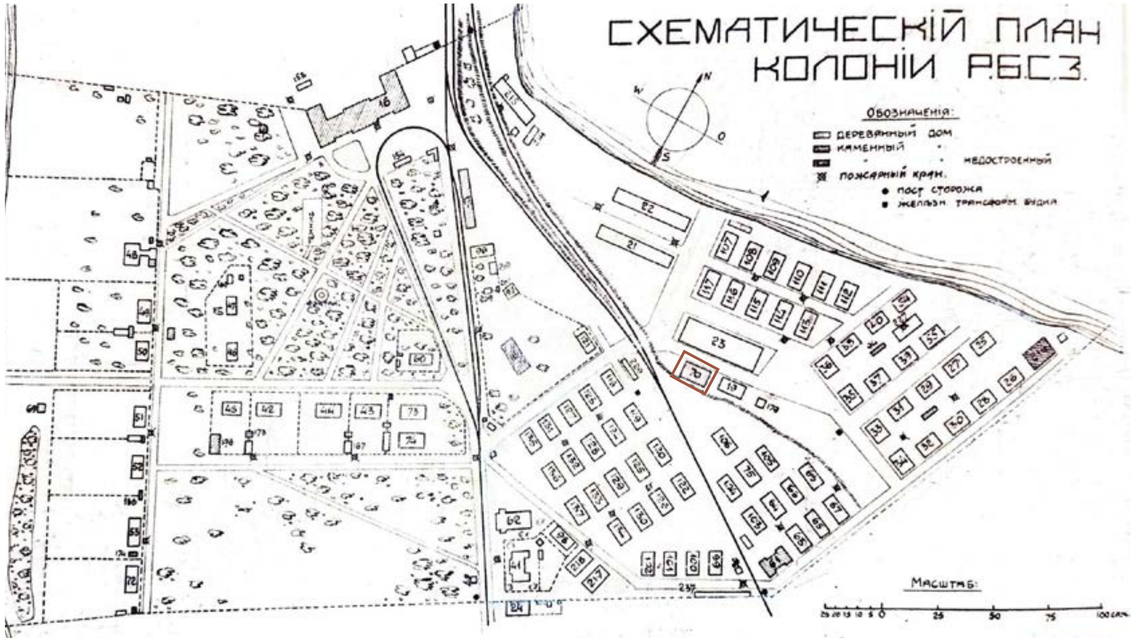
Movie theatre (1915)

historical context



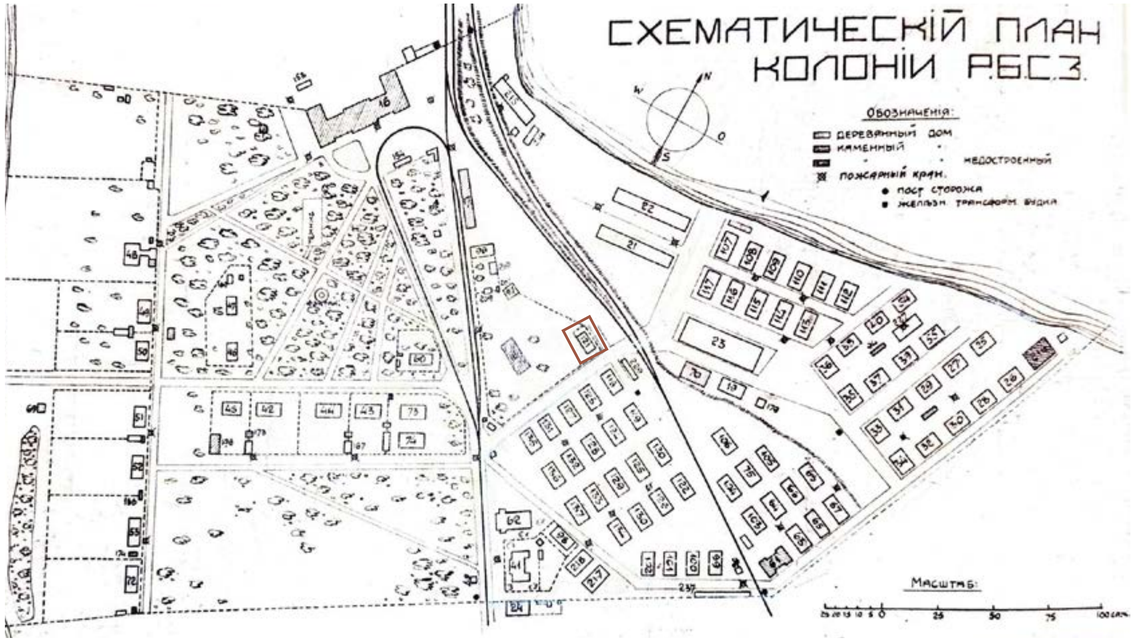
Sauna (1912 - 1916)

historical context



Bakery

historical context



Nikolai church (1936 - 1940)

historical context

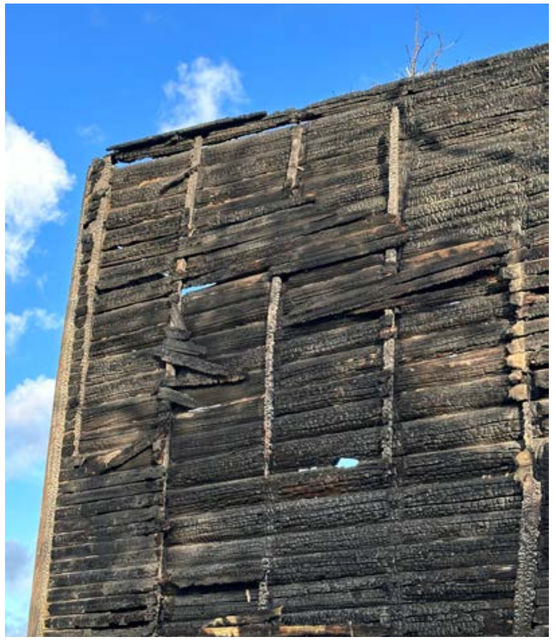
historical context

Decay in the area started in the 1990s and early 2000s

redevelopment

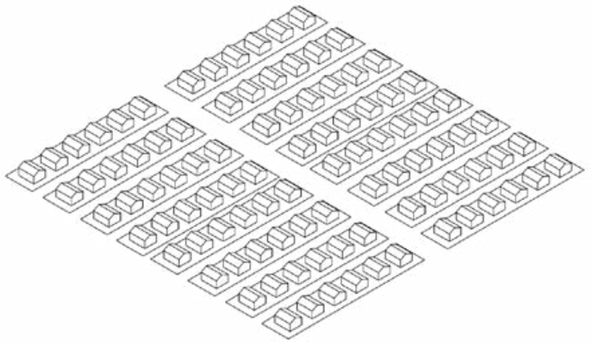
current situation

current situation



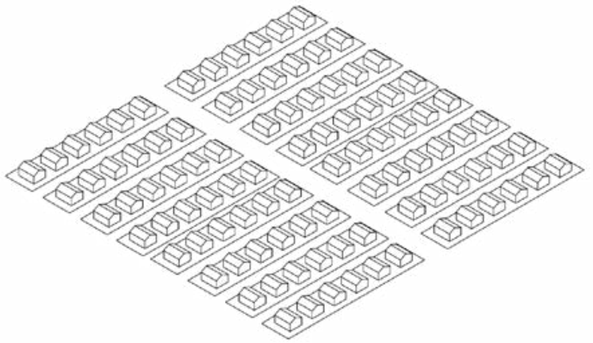
current situation

problem statement

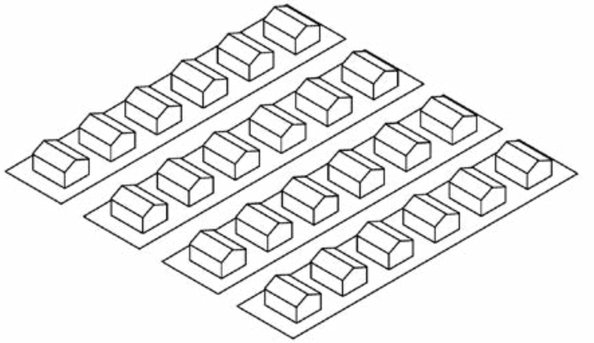


large scale plan

problem statement

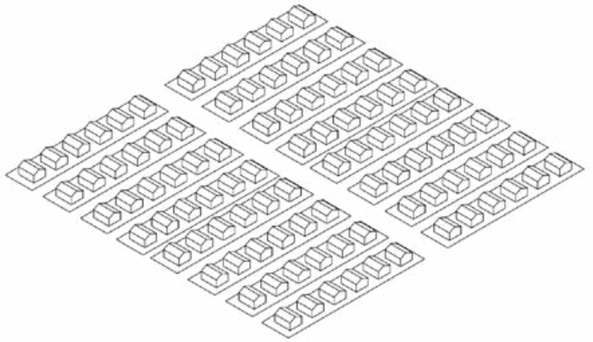


large scale plan

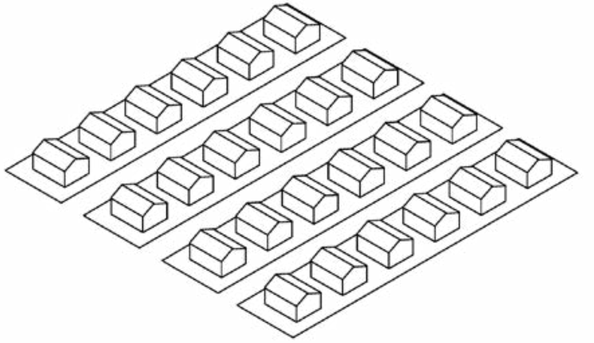


monofunctional

problem statement



large scale plan



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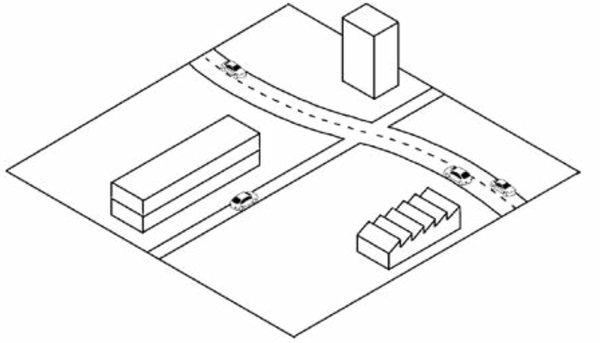
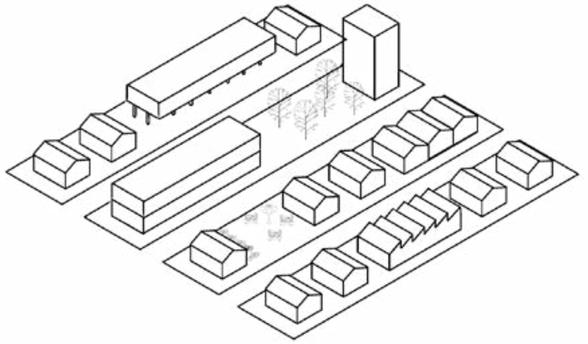
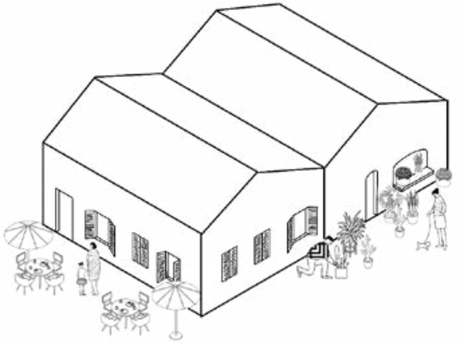


spread out and drivable

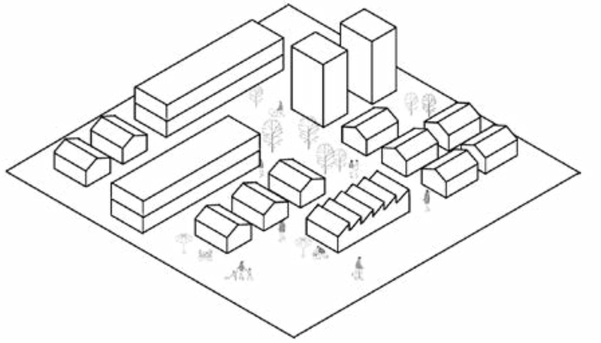
problem statement



multifunctional

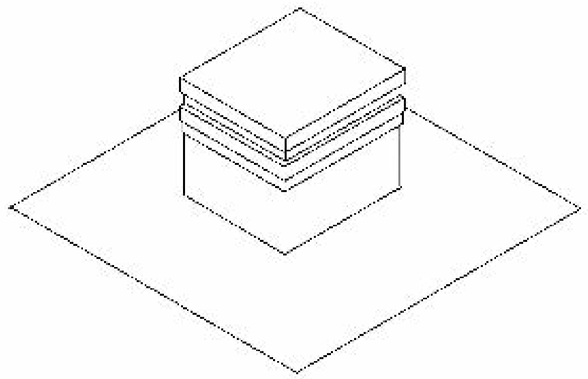


small scale plan

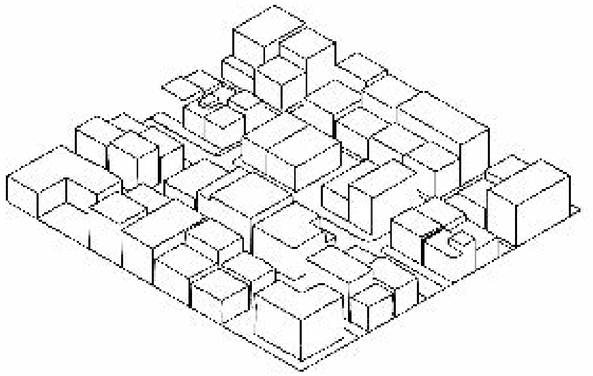


concentrated and walkable

problem statement

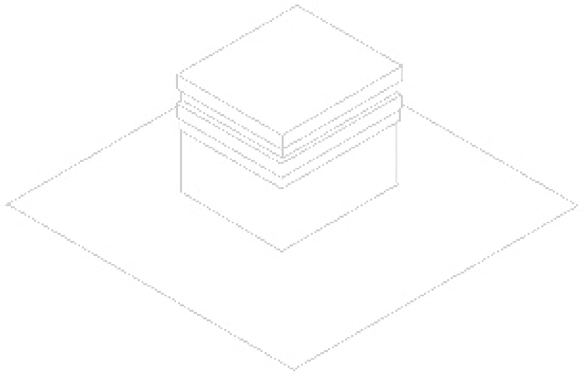


“solo” building

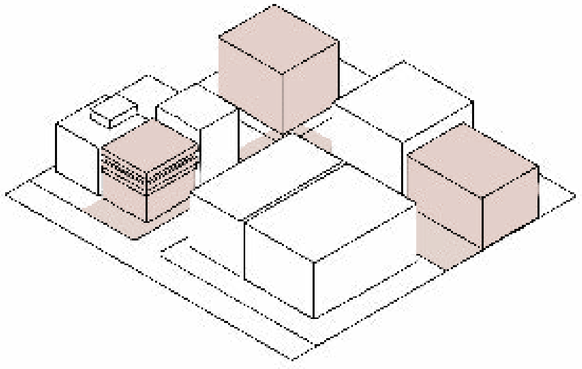


masterplan

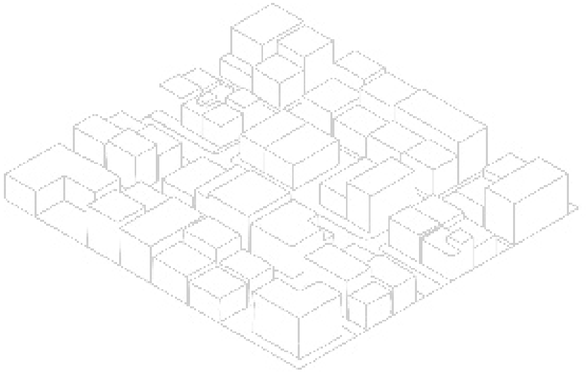
problem statement



“solo” building



interconnected interventions



masterplan

"**Project acupuncture** is less concerned with the small, the minute or the delicate than with the **strategic**, the **systemic** and the **interdependent**. Actions performed on the ear, the Chinese experts say, will have beneficial effects on the lung or the knee. Acupuncture is above all about a much higher appreciation of the epidermis as a rich, complex and enormously influential membrane."

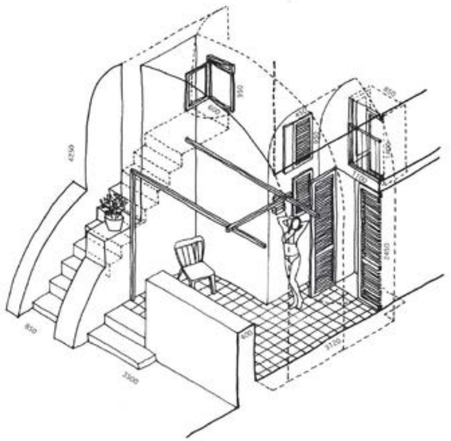
Manuel de Solà-Morales
A Matter of Things

theoretical framework

"The general idea which fulfils this requirement is the concept of the Cluster. **Cluster** is a **close knit**, complicated, often moving aggregation, but aggregation with a distinct structure."

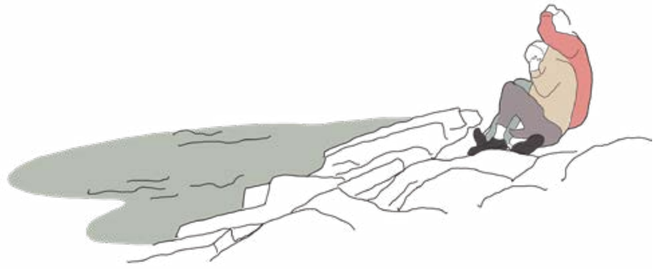
" It is traditionally the architect's job to **create the signs or images** which **represent the functions and beliefs of the community**, and to create them in such a way that they add up to a comprehensible whole. The **Cluster concept** provides us with a way of creating new images of the city"

Alison and Peter Smithson
Ordinariness and Light

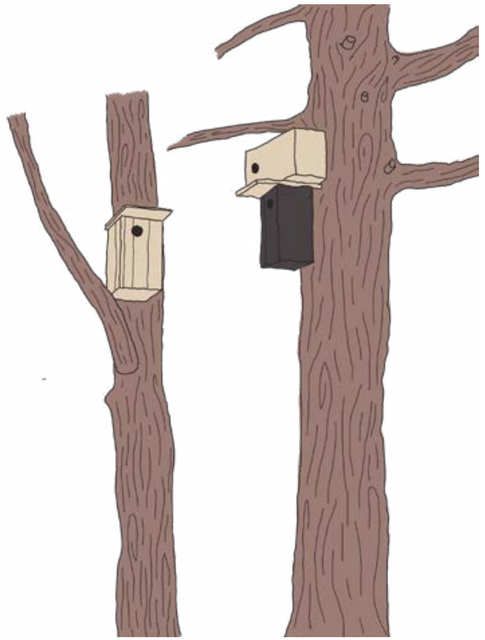


1. Modernology, Wajiro kon
2. Windowscape, Atelier Bow-Wow
3. MASP, Lina Bo bardi

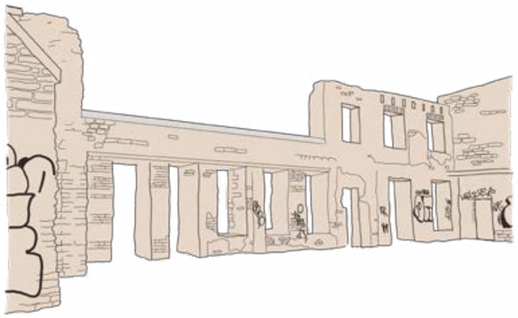
theoretical framework

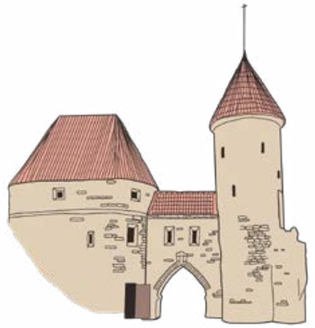


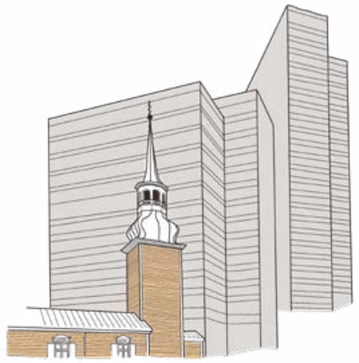
theoretical framework

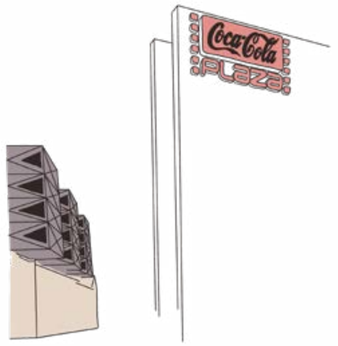


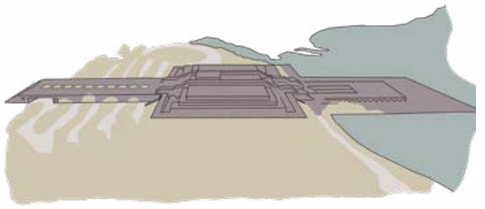
theoretical framework

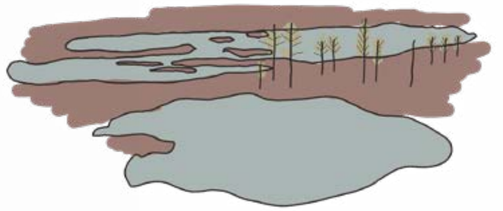


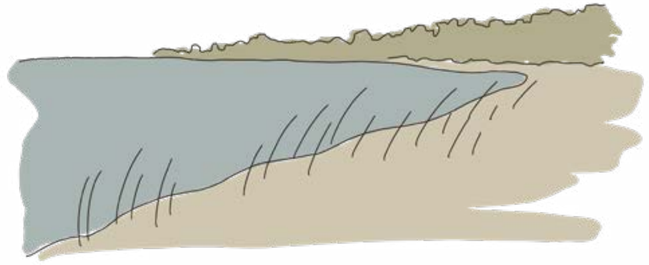


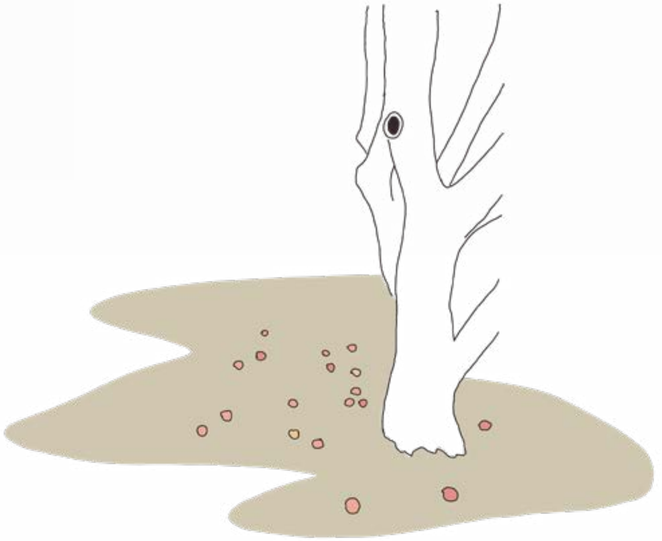












proposed design

proposed design

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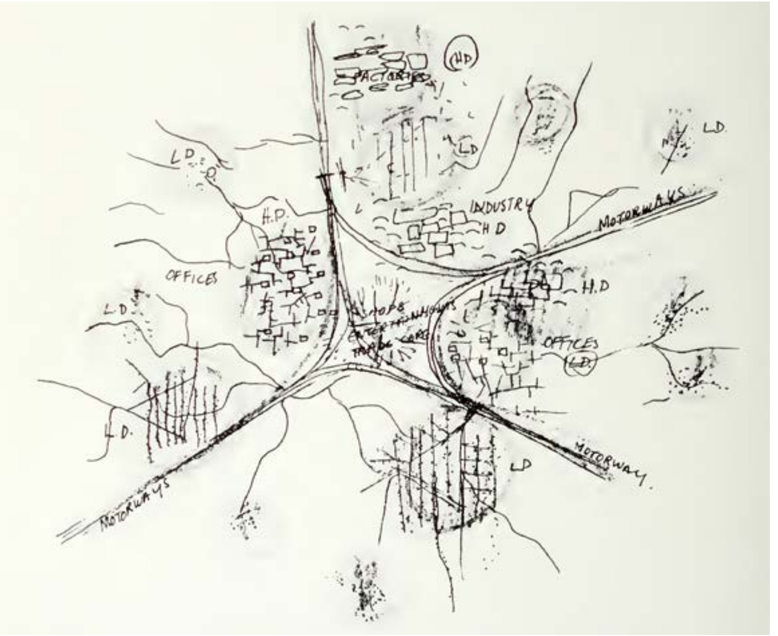

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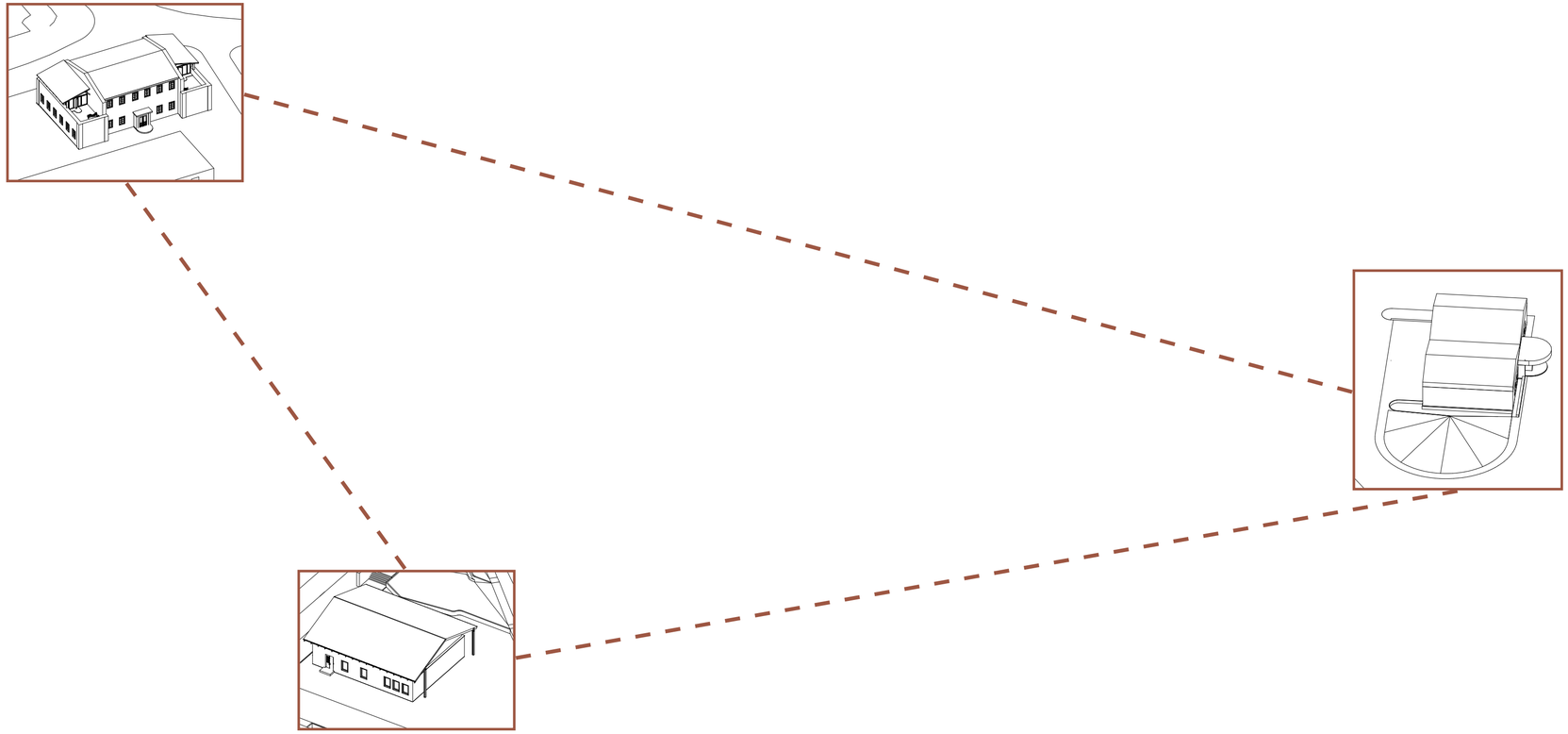

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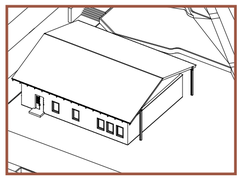

proposed design

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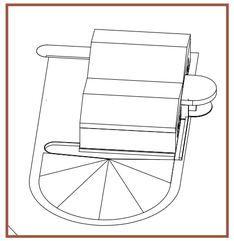

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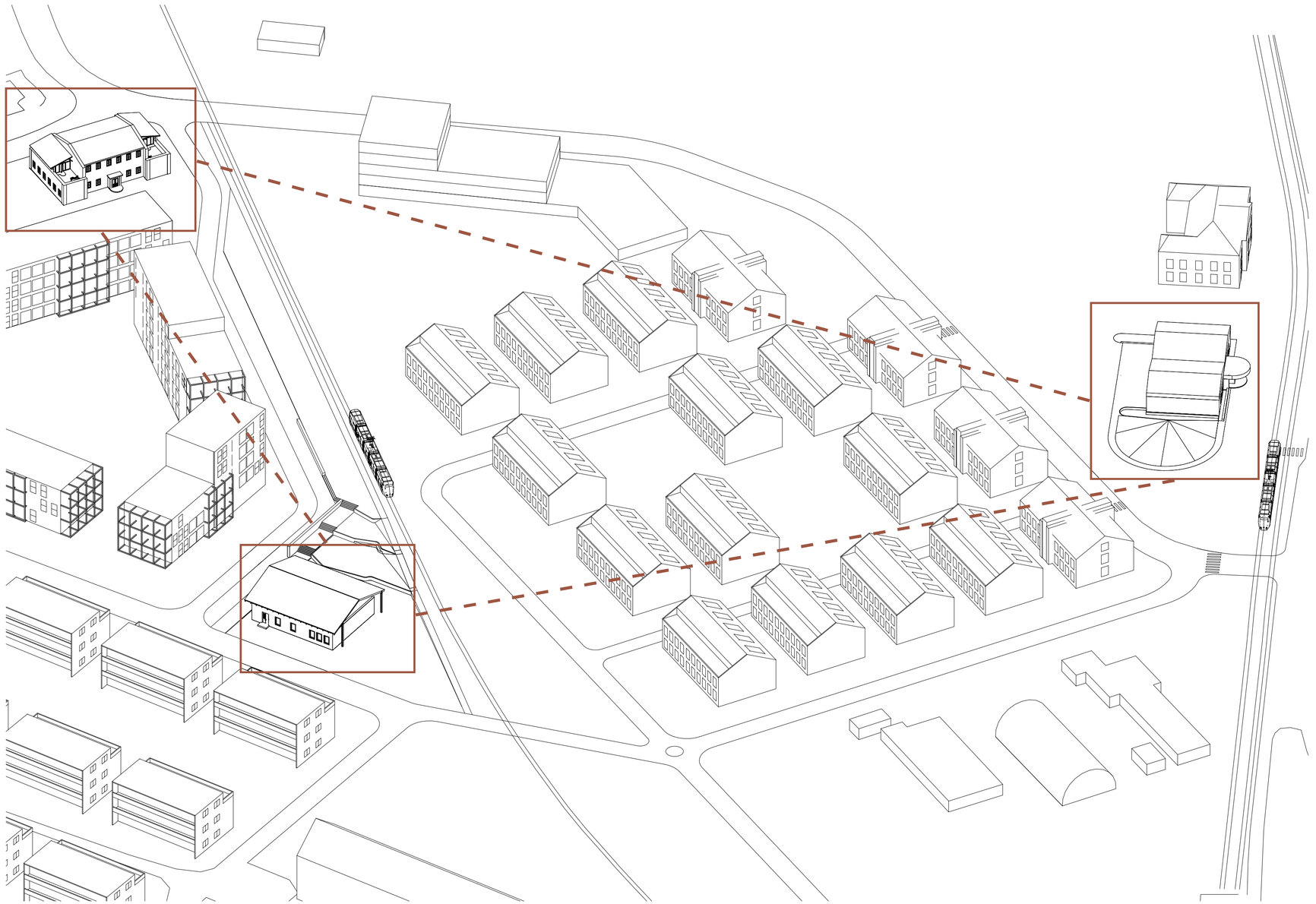

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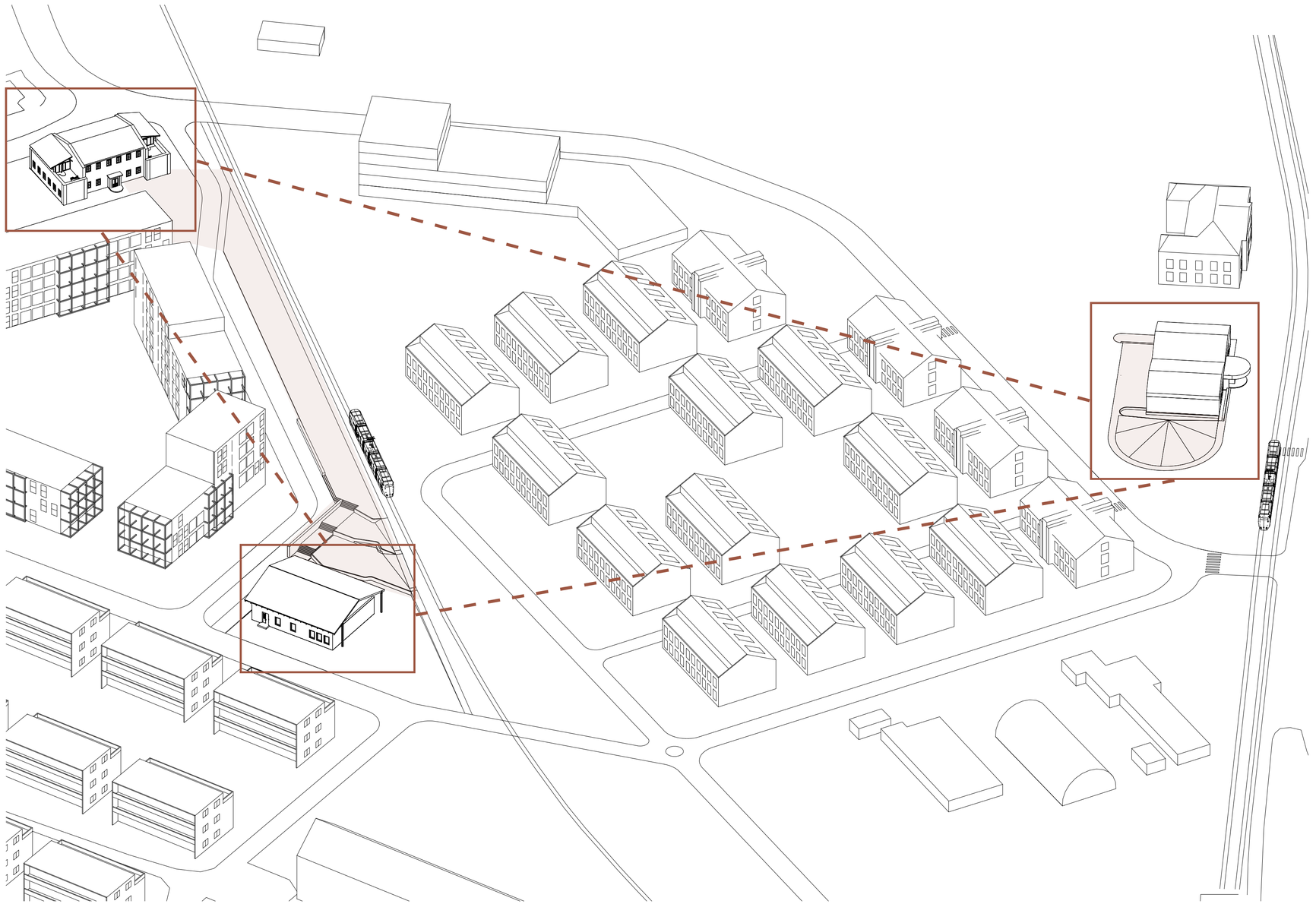

bakery

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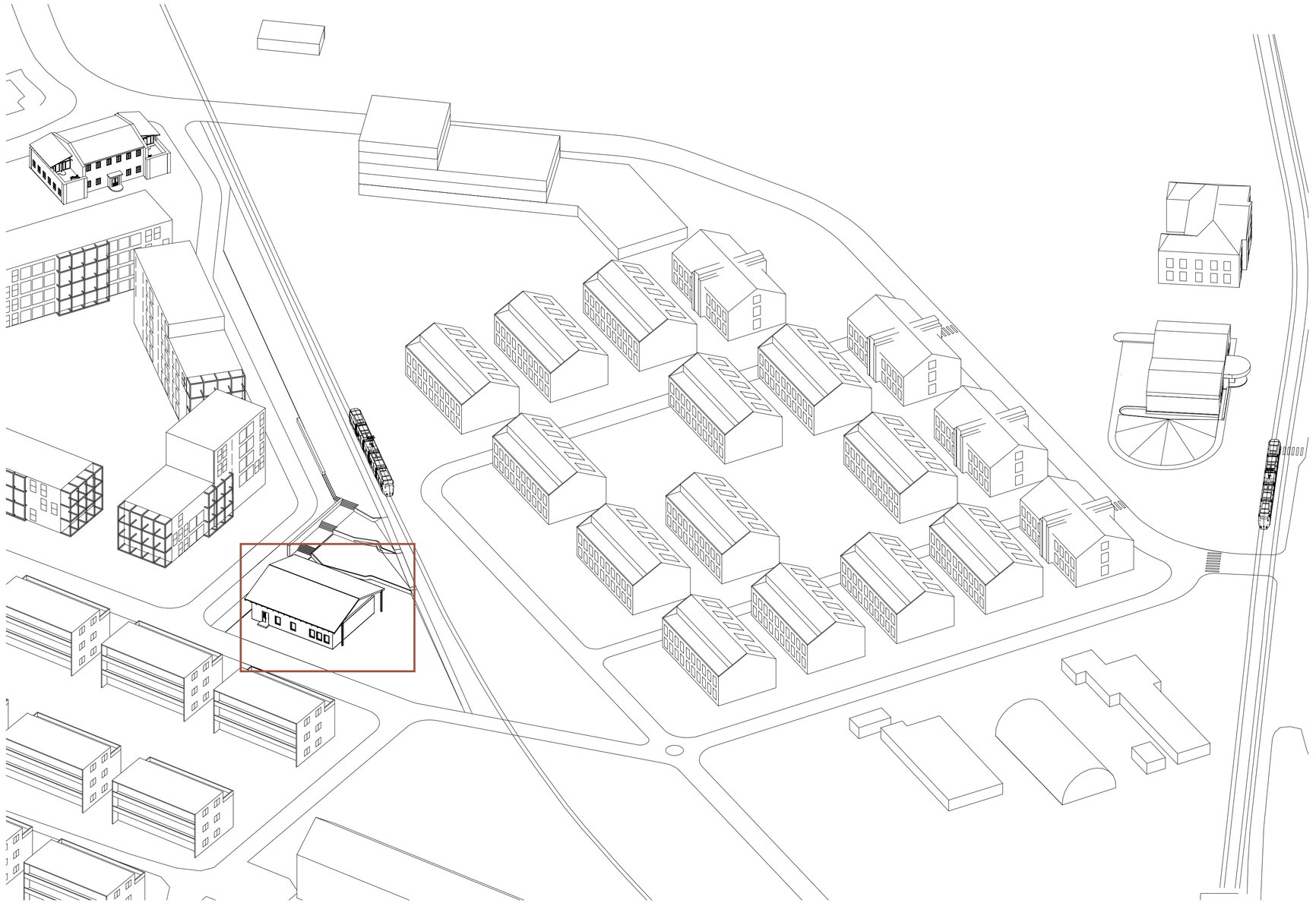

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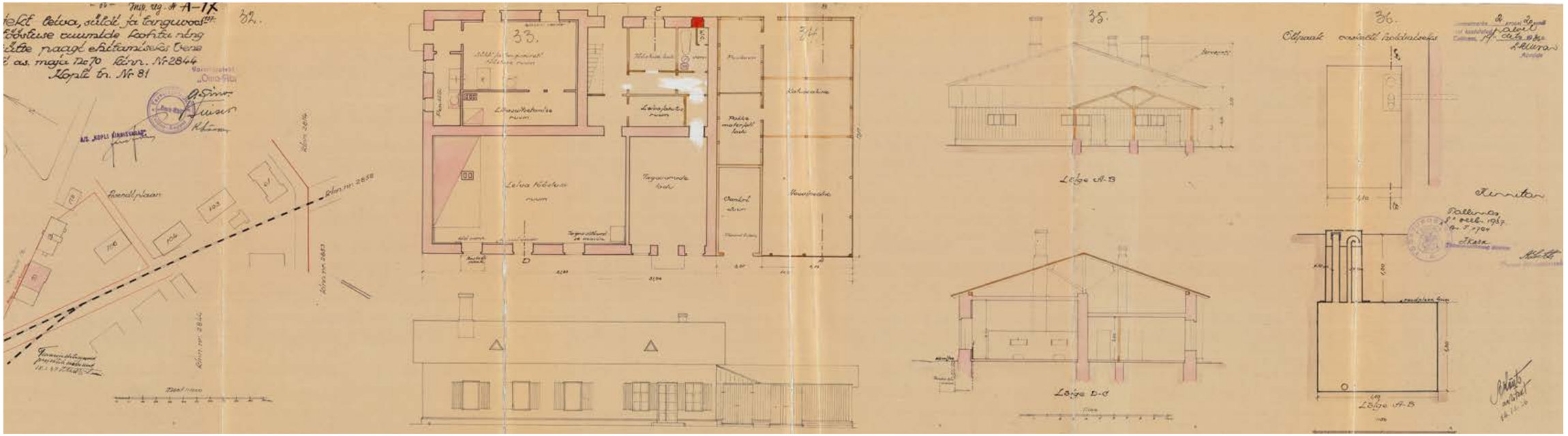

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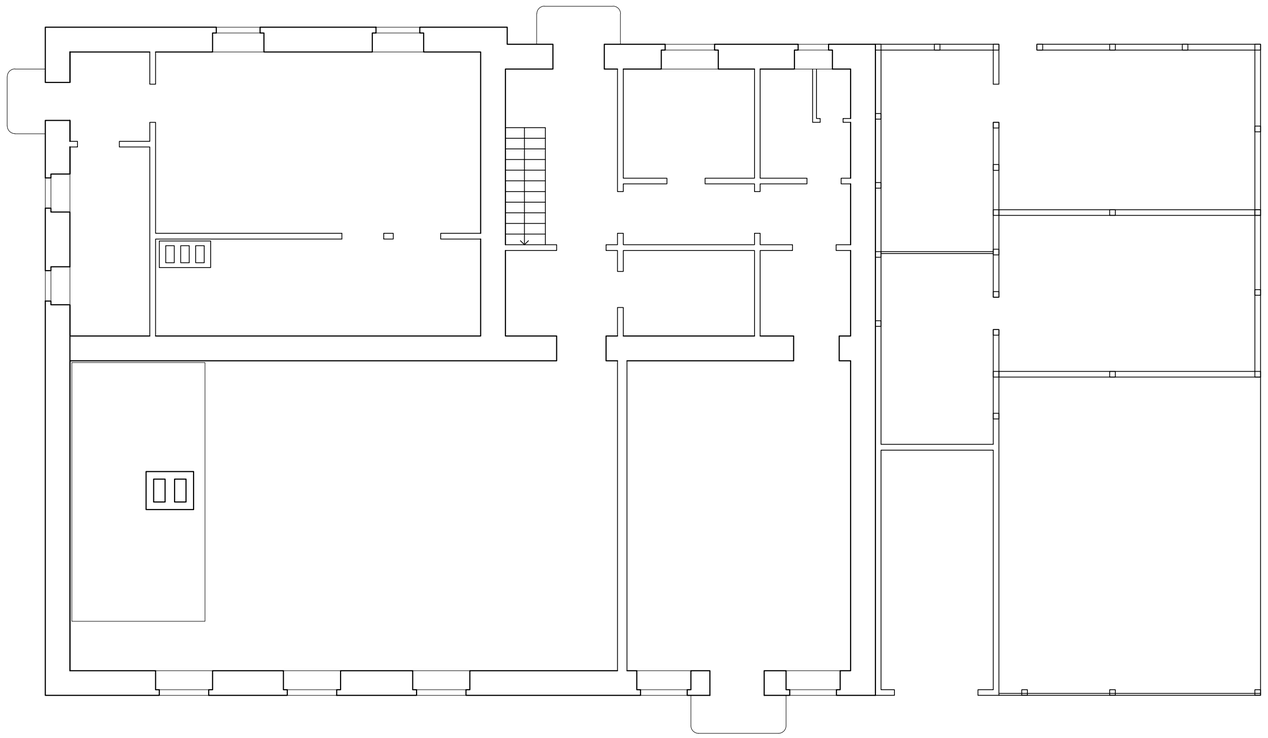
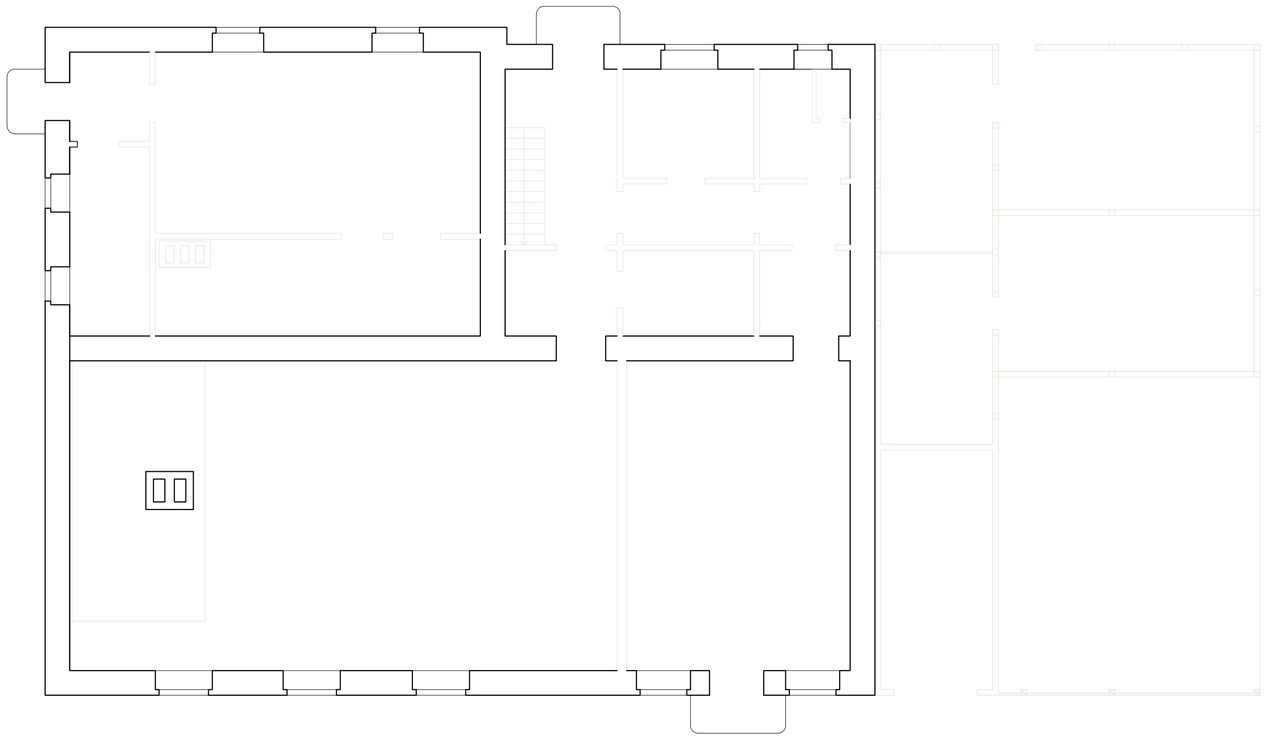


original floor plan

0 1 2 3m

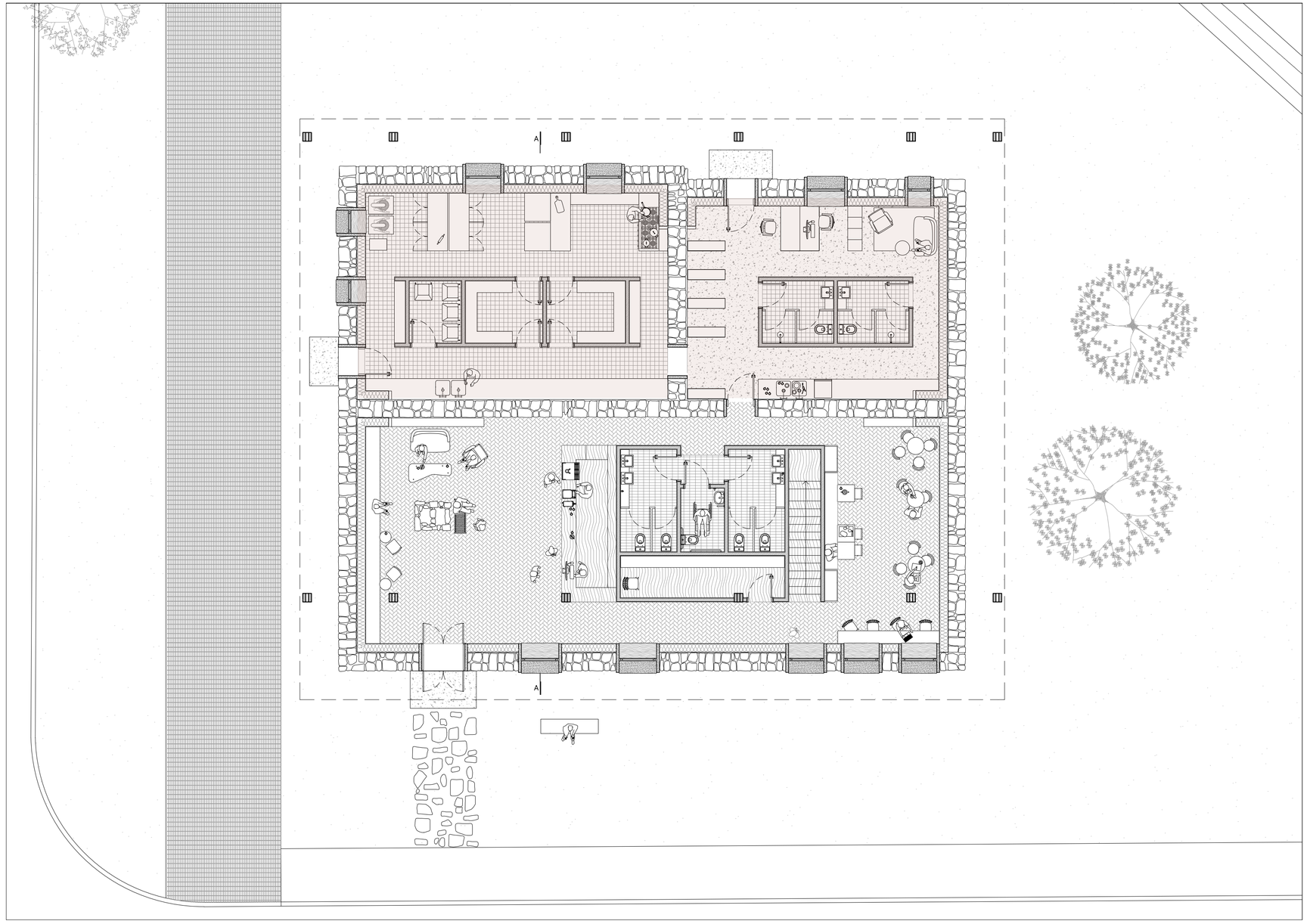
bakery



floor plan | transformation

0 1 2 3m

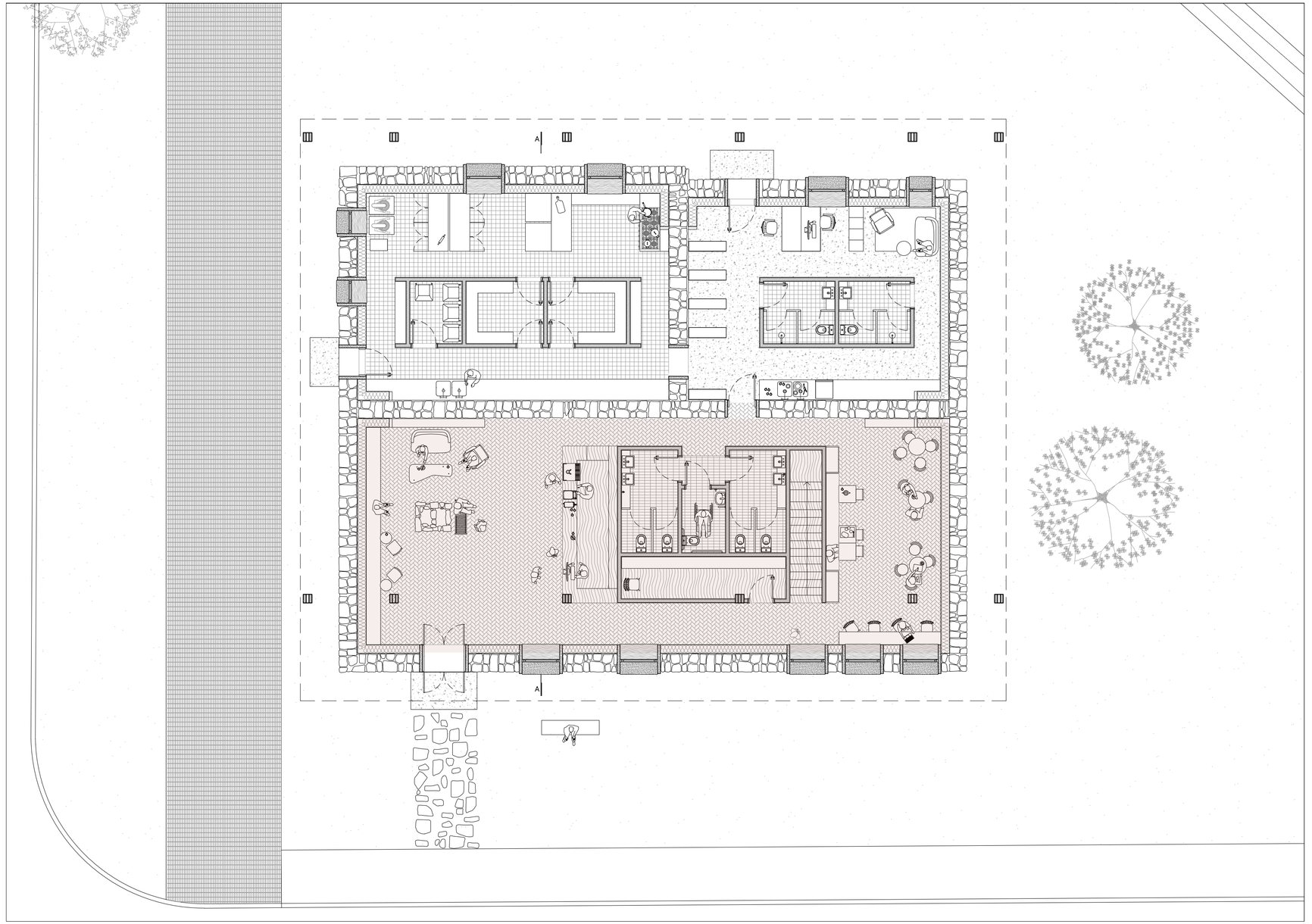
bakery



floor plan

0 1 2 3m

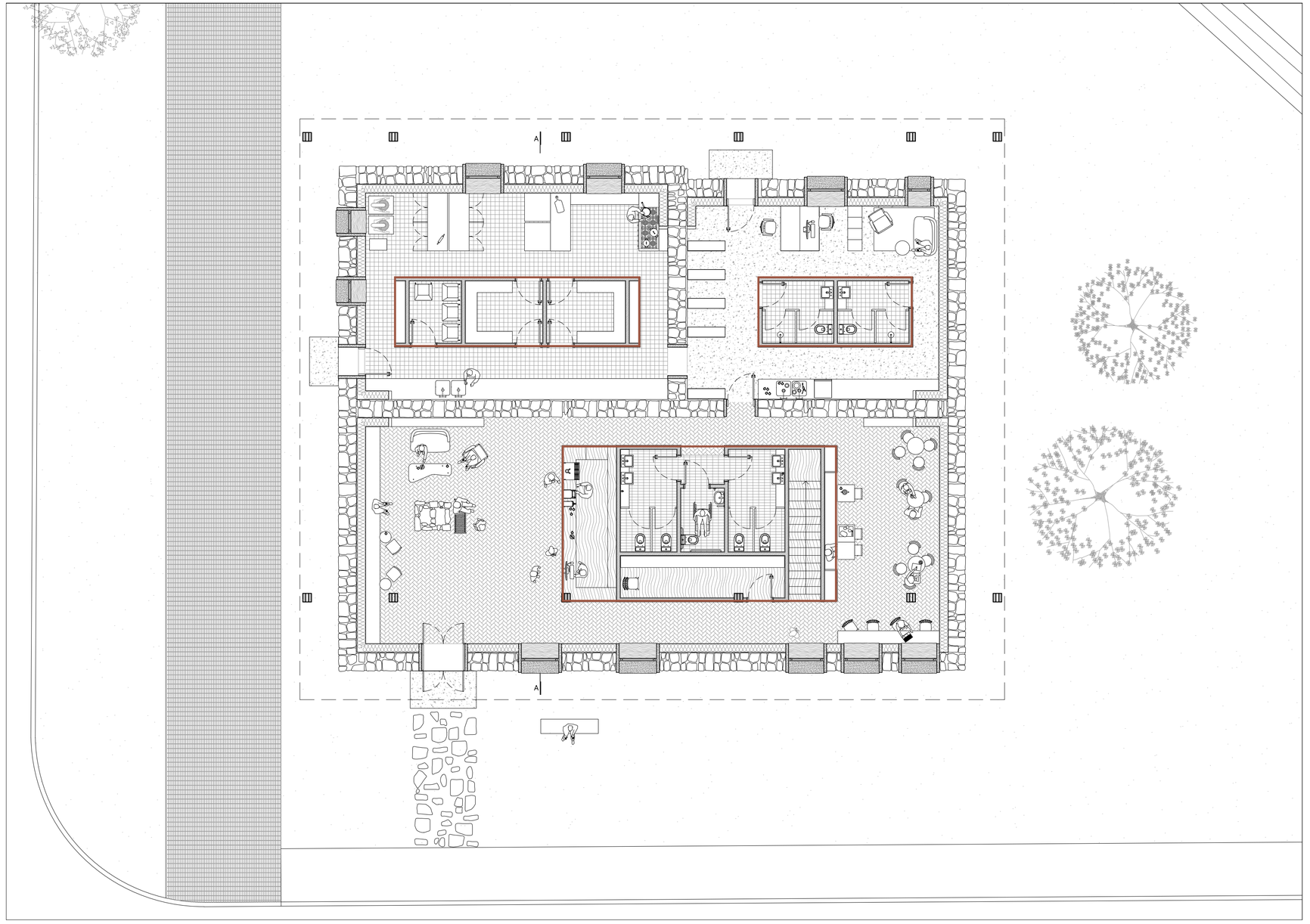
bakery



floor plan

0 1 2 3m

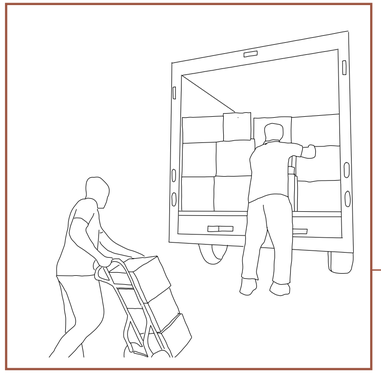
bakery

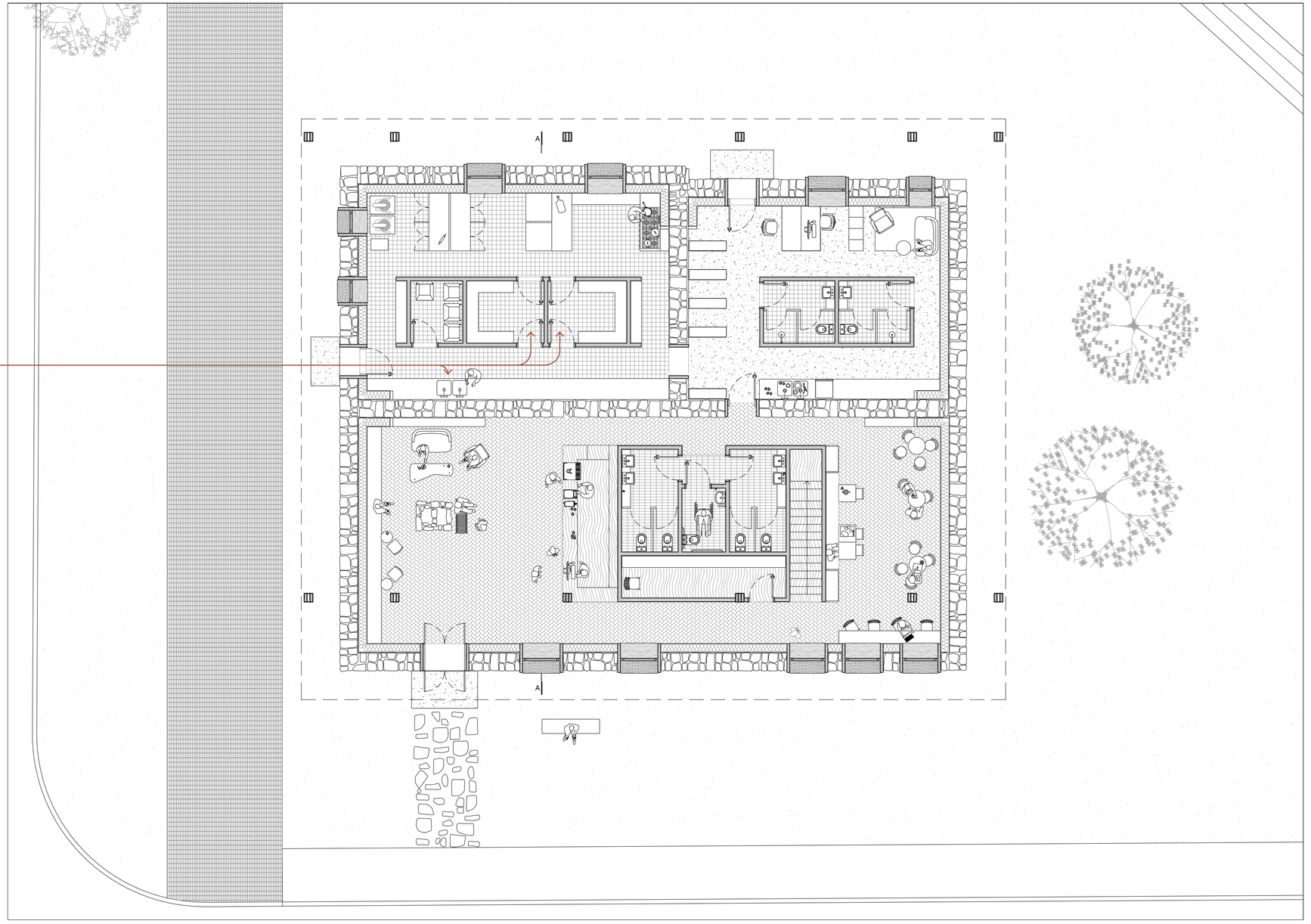


floor plan

0 1 2 3m

bakery

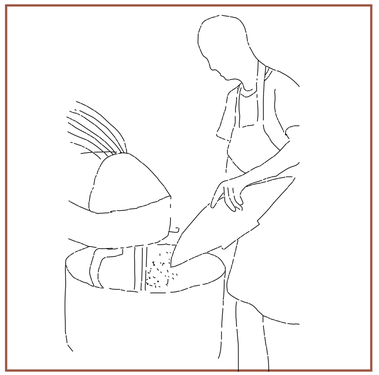


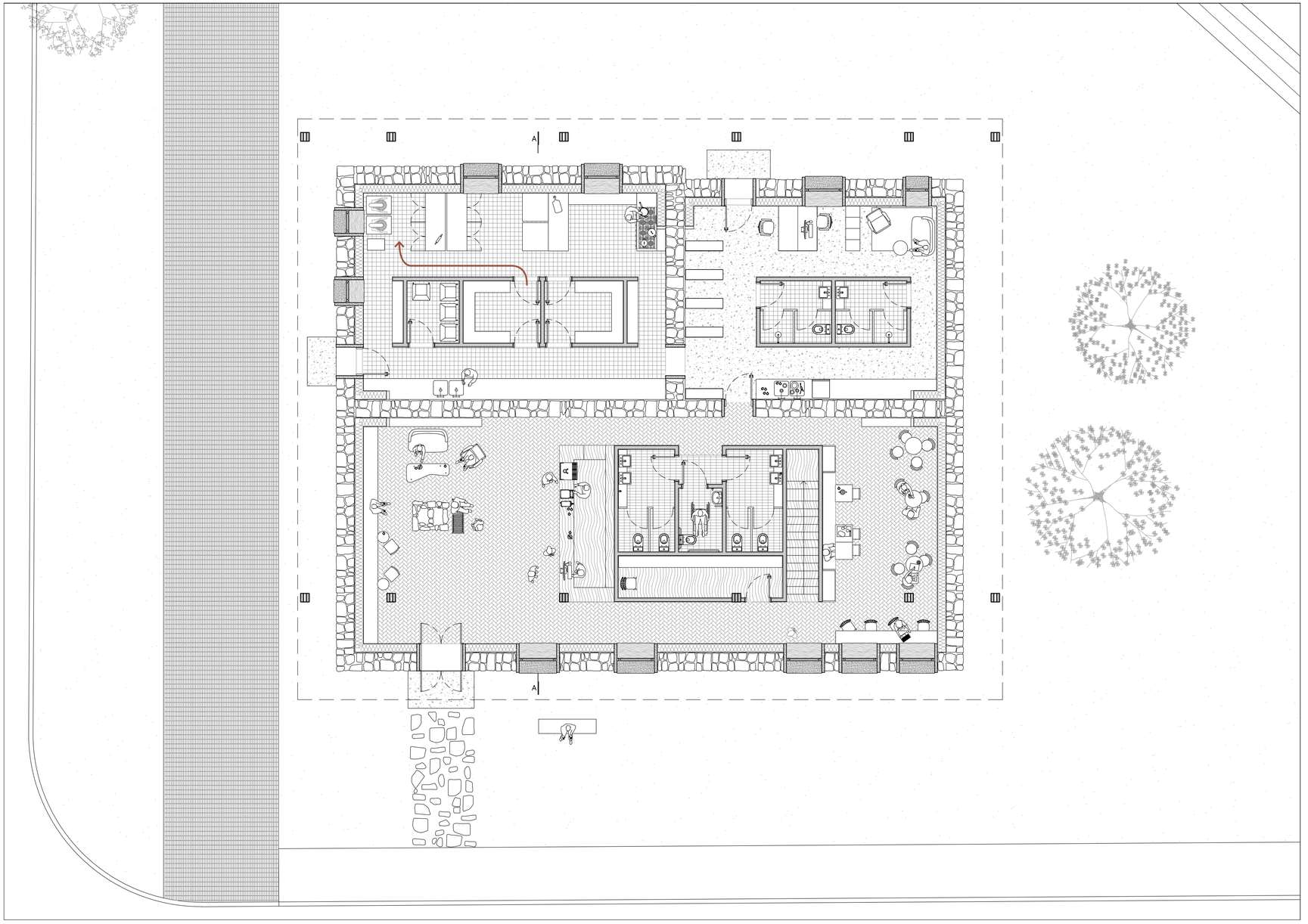


floor plan

0 1 2 3m

bakery

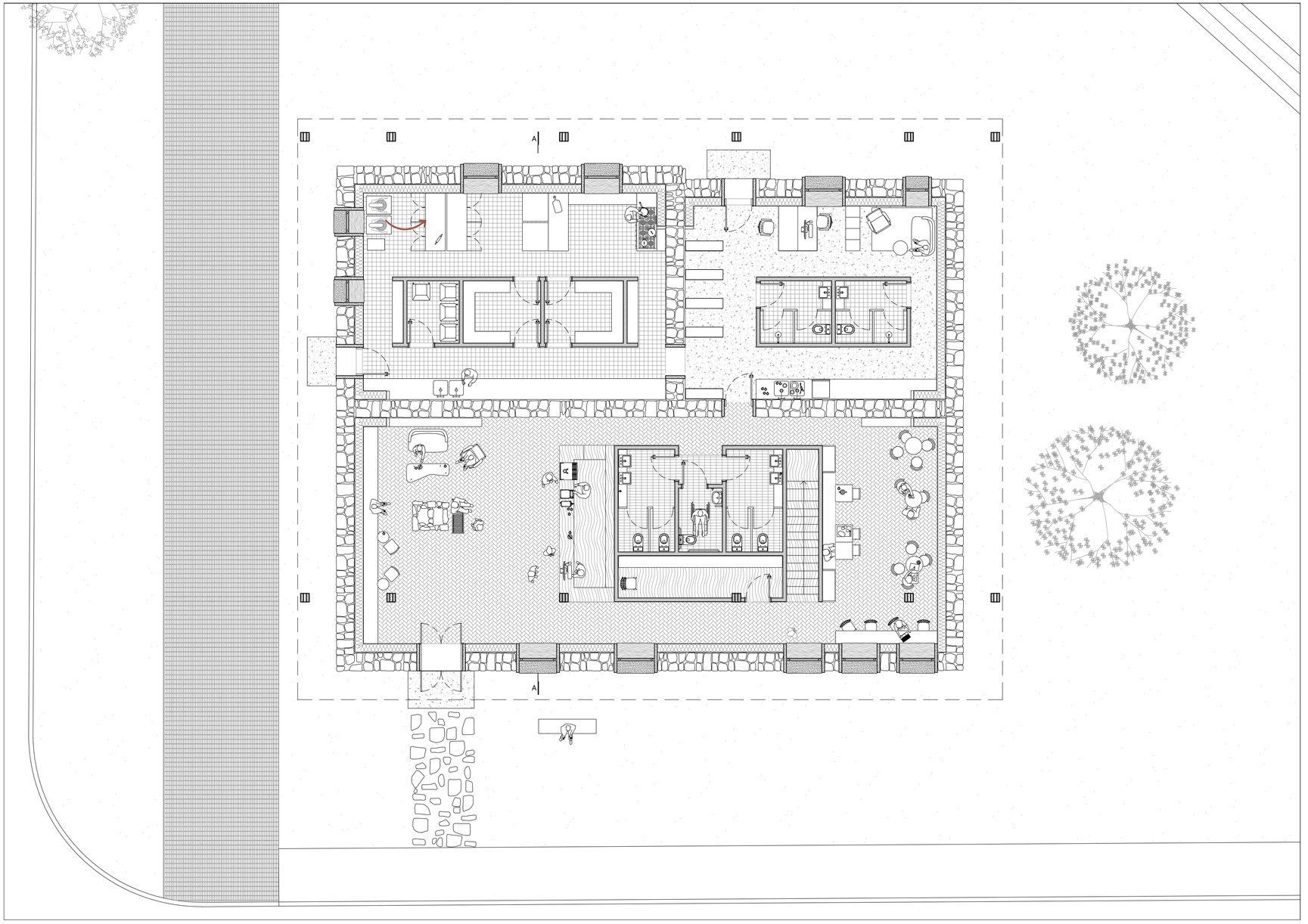




floor plan

0 1 2 3m

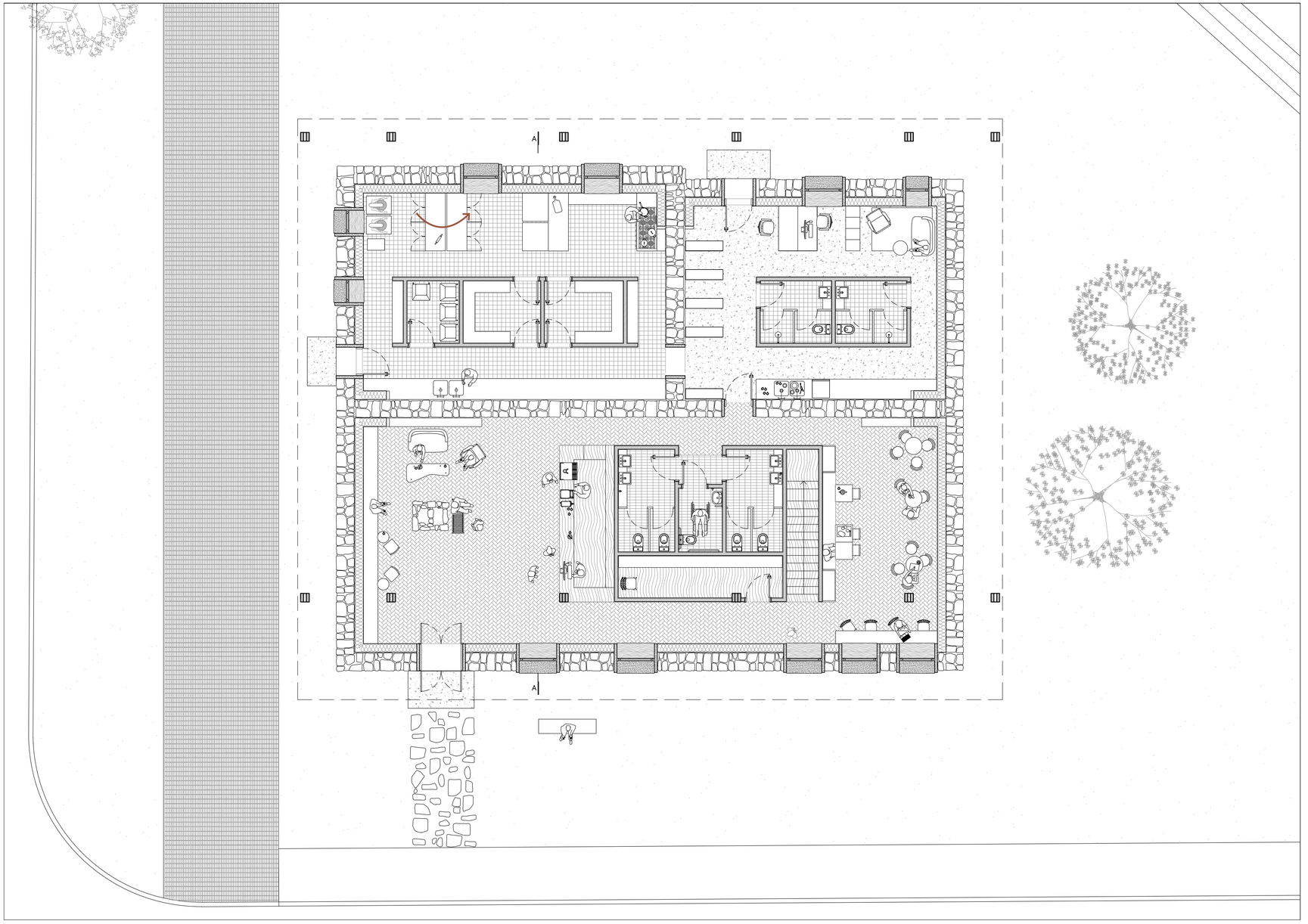
bakery



floor plan

0 1 2 3m

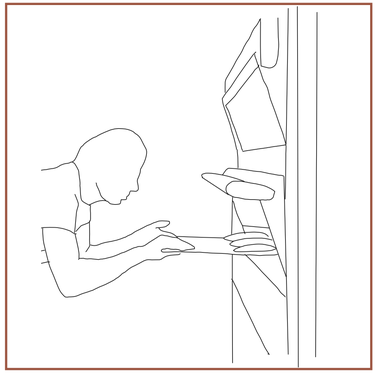
bakery

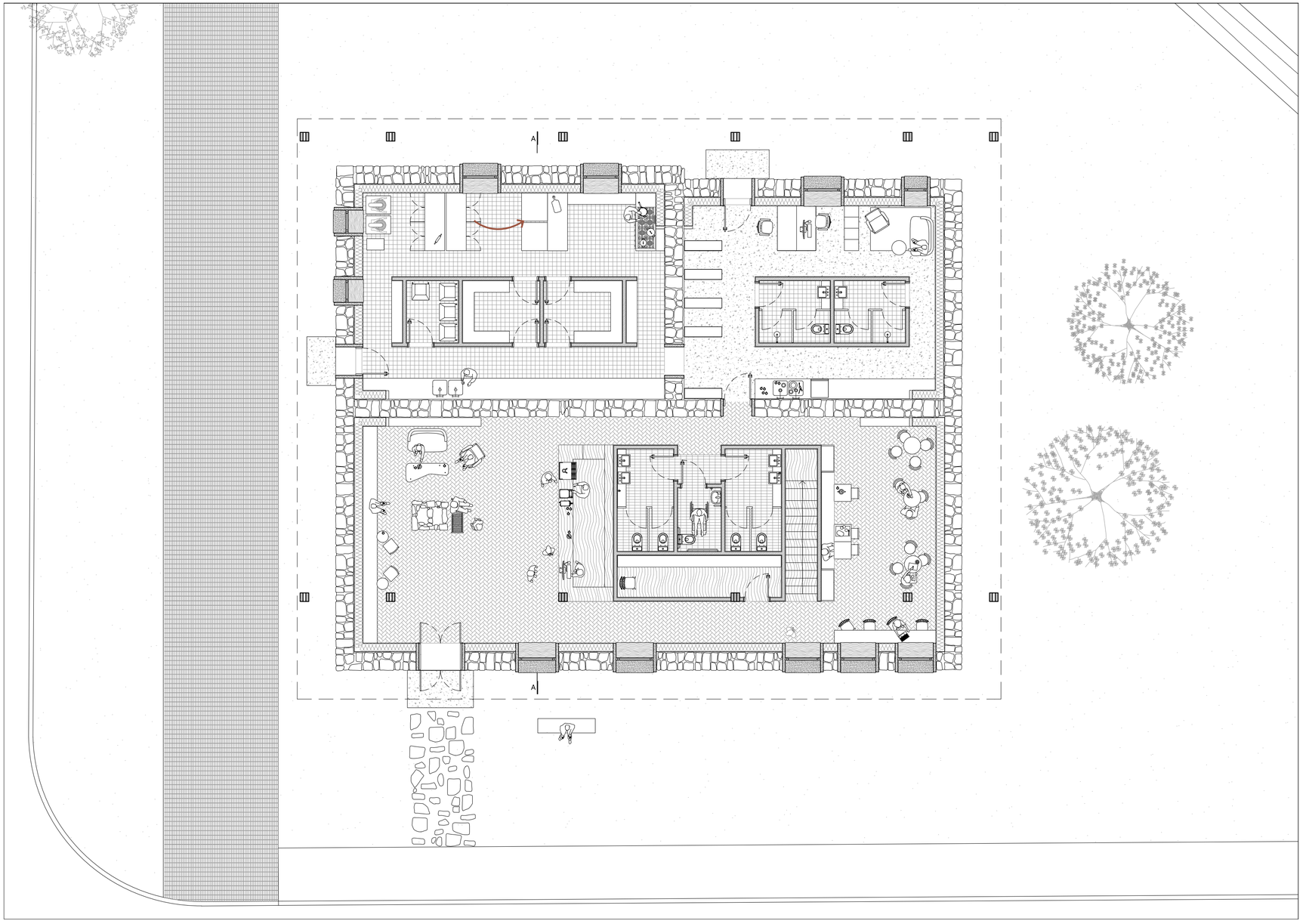


floor plan

0 1 2 3m

bakery

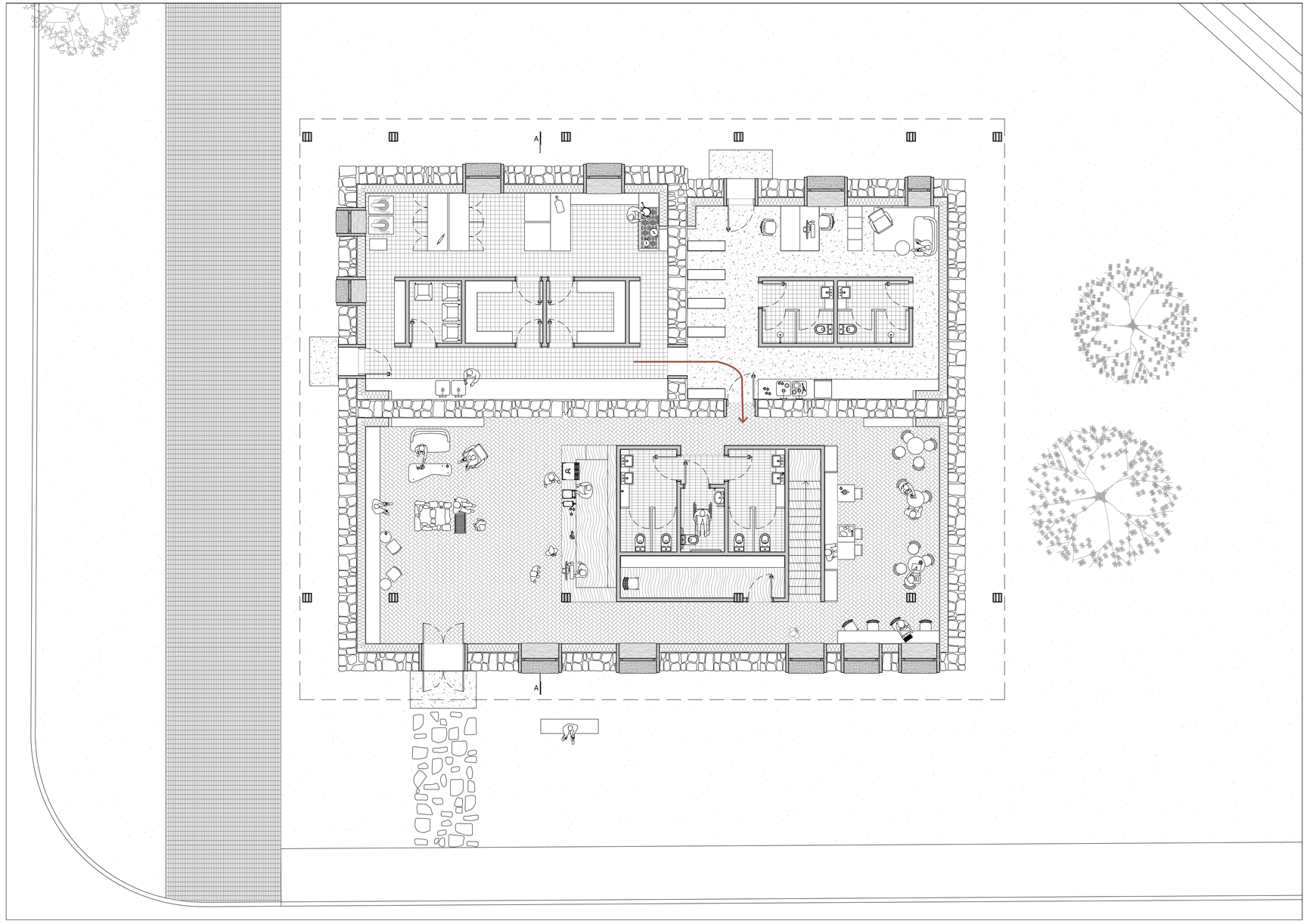




floor plan

0 1 2 3m

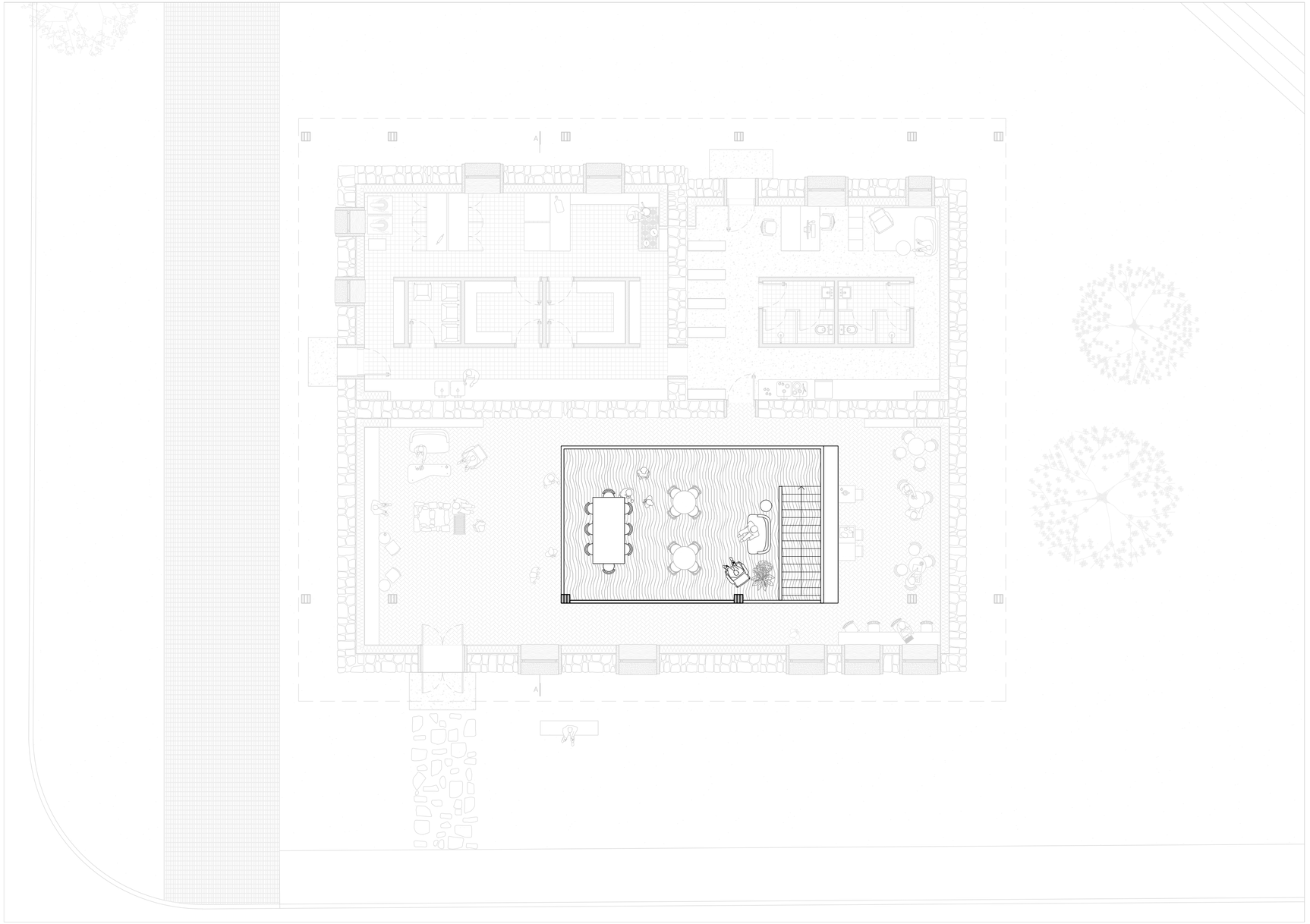
bakery



floor plan

0 1 2 3m

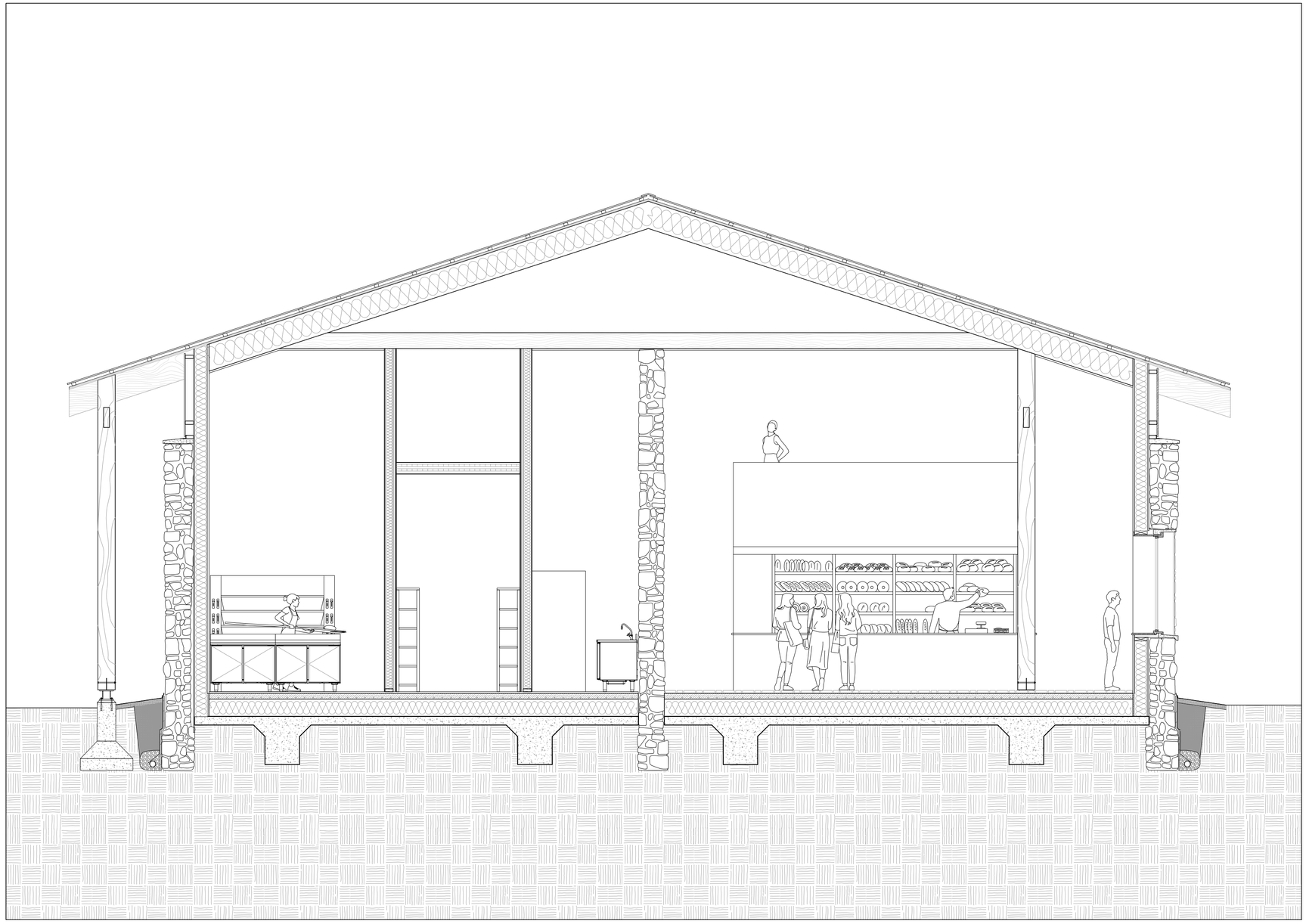
bakery



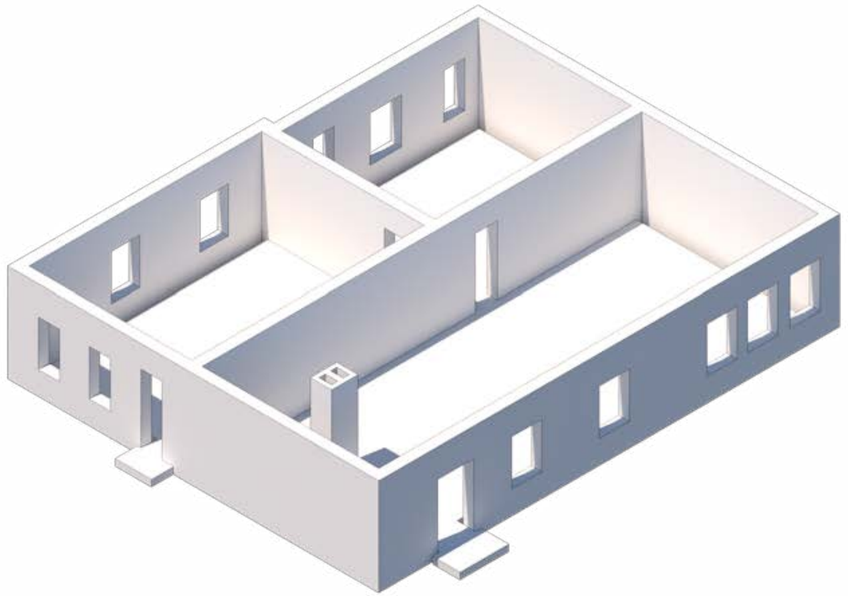
floor plan | mezzanine

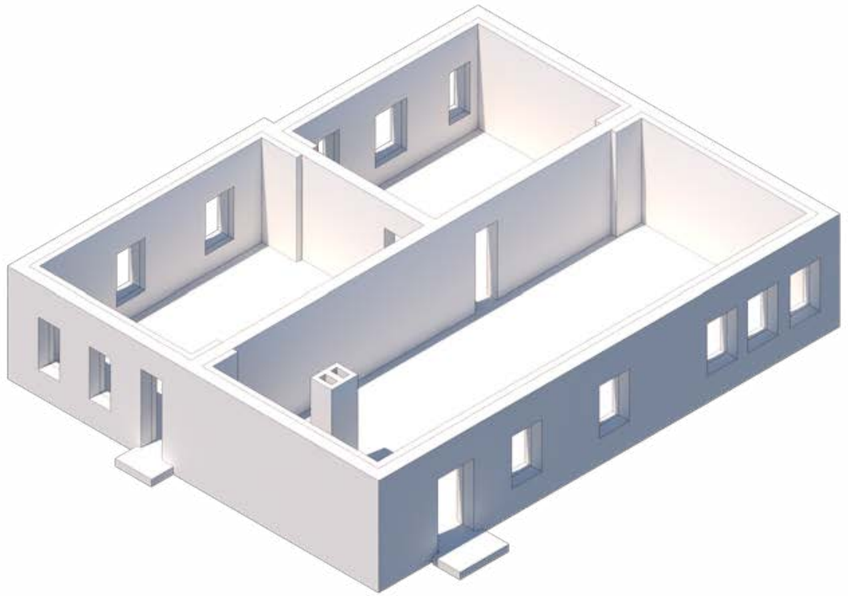
0 1 2 3m

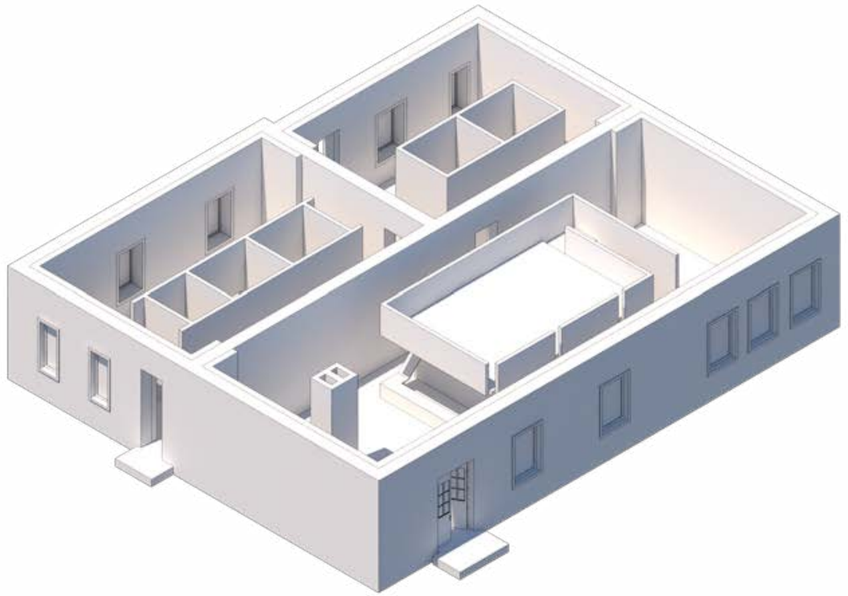
bakery

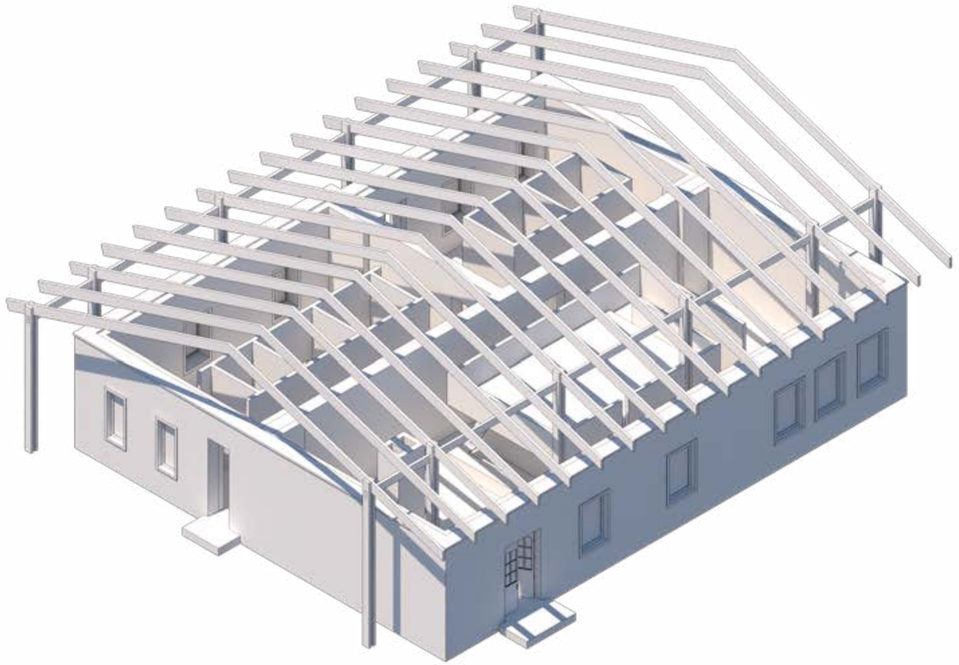


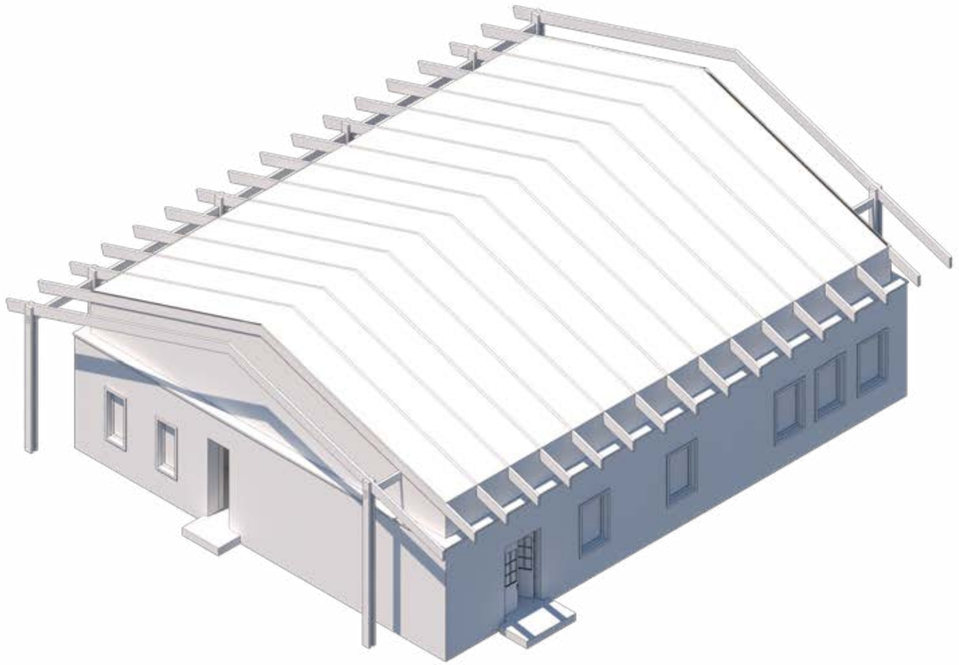
cross section

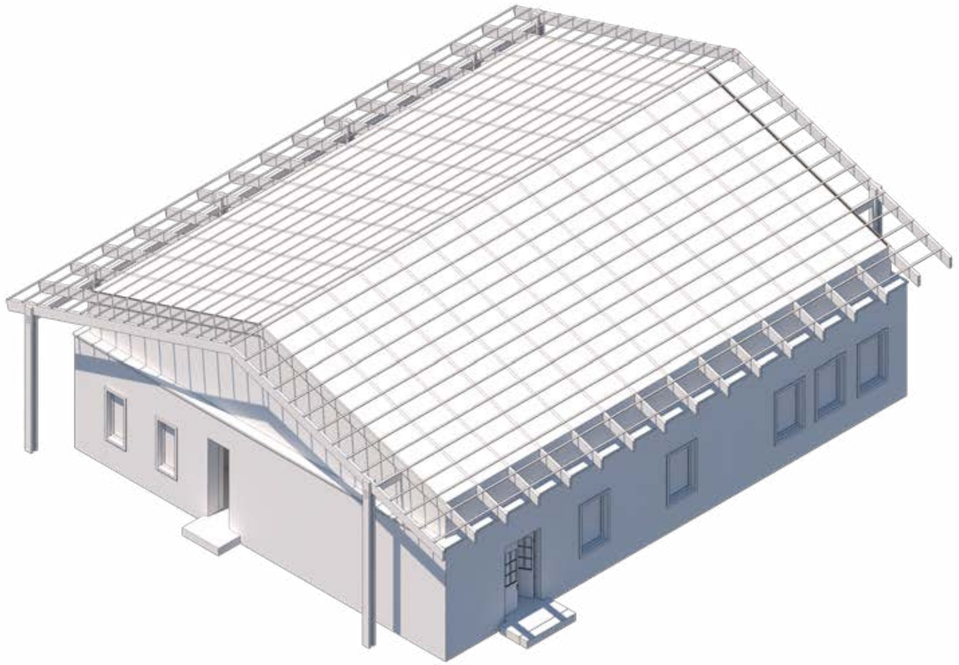


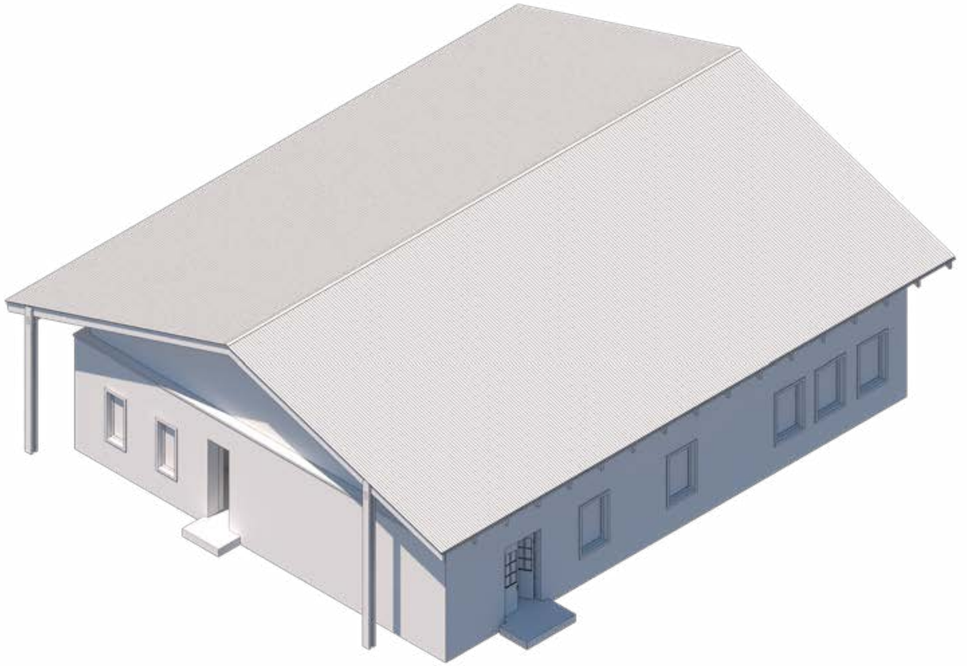












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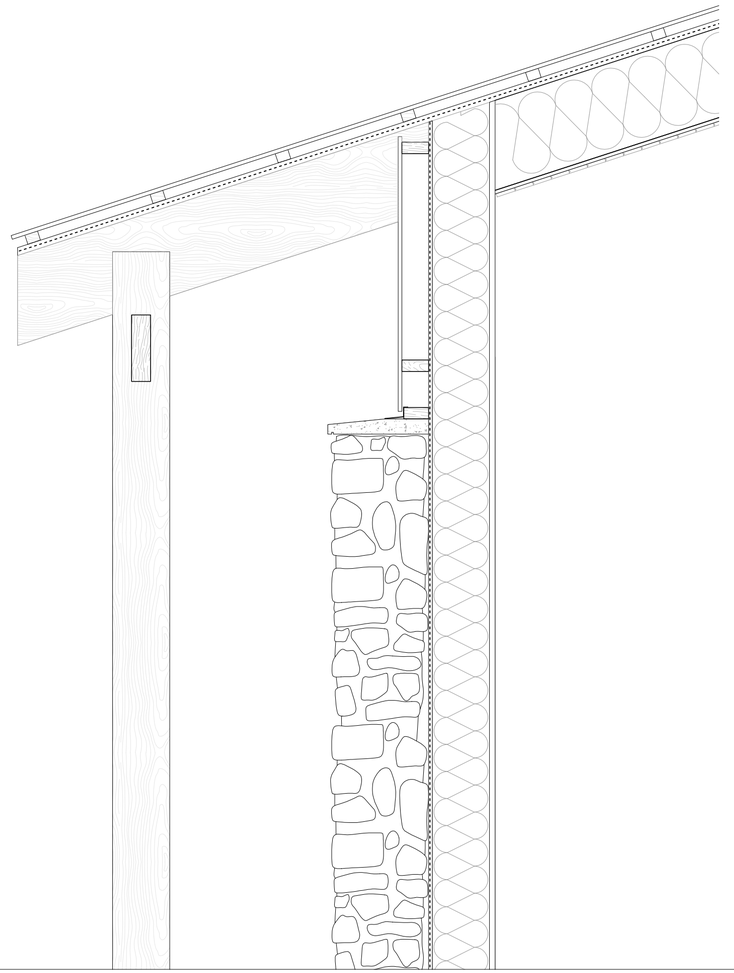


roof construction

20mm oak boarding outer face charred

36/50mm battens

36/50 counter-battens

diffusion open sub-roof membrane

18mm plywood panel

450/120mm glulam timber beams

lime hemp insulation

25mm timber sheating

facade construction

20mm oak boarding outer face charred

36/50mm battens

36/50 counter-battens

18mm plywood panel

lime hemp insulation

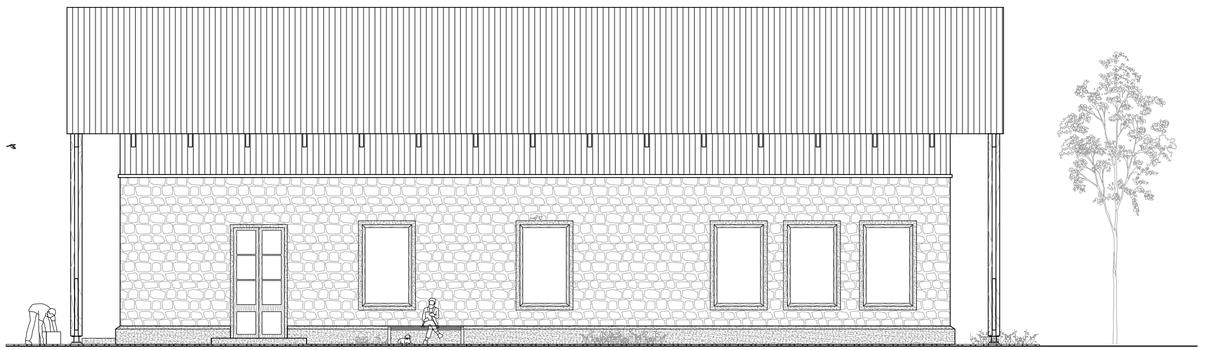
fluid applied vapor permeable weather resistive barrier

lime cement parging

80mm concrete sill

existng stone wall

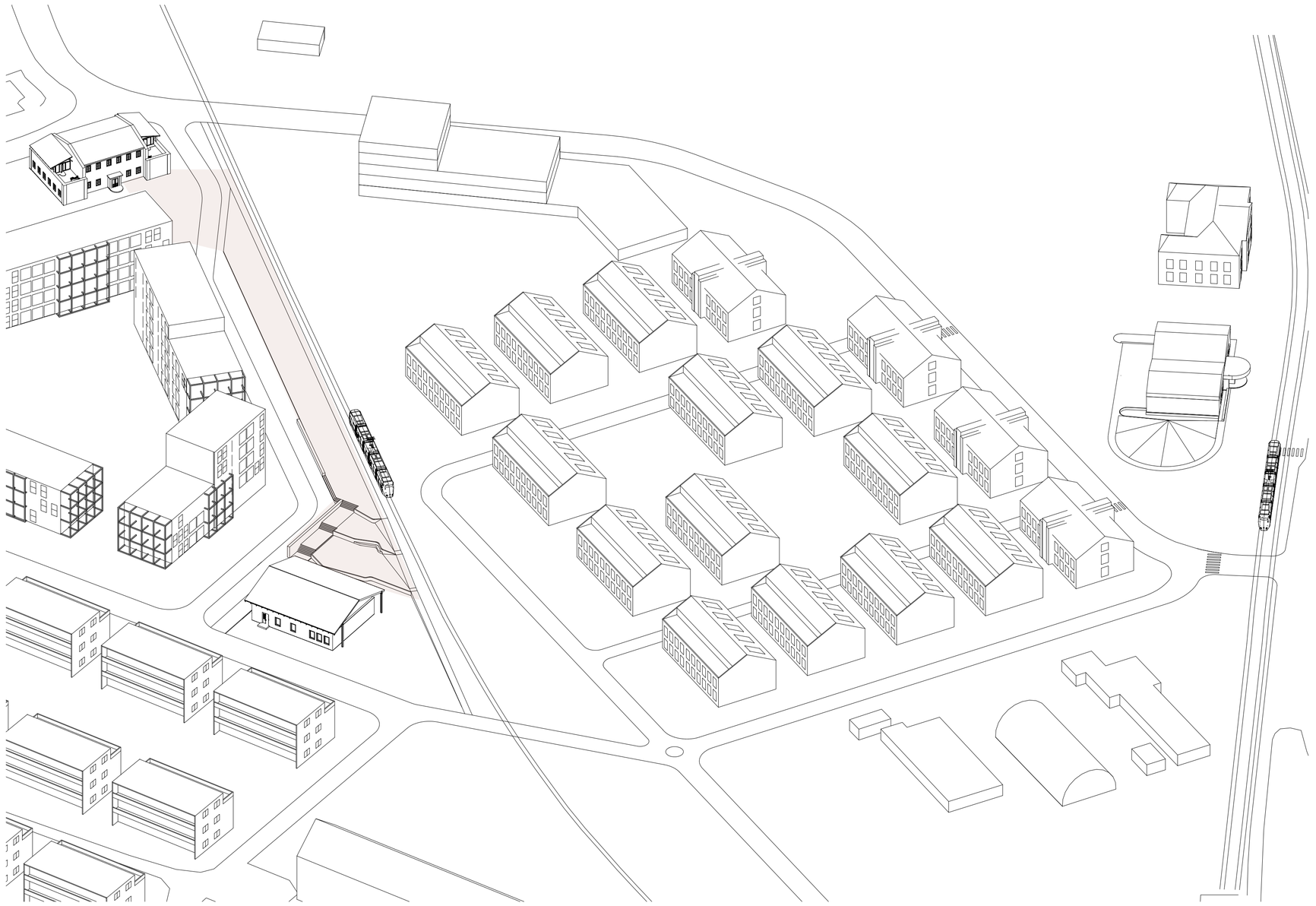
bakery



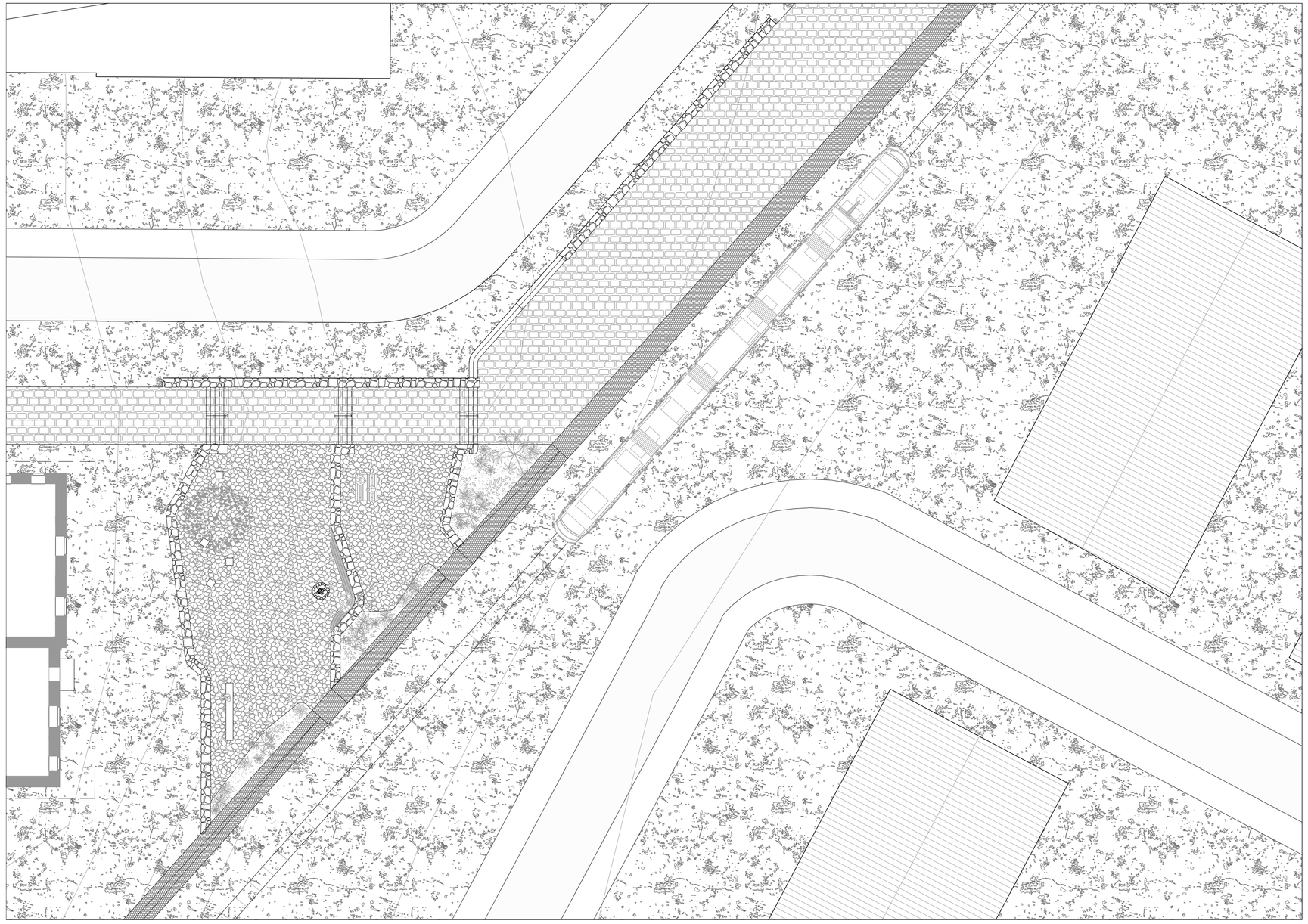
bakery

proposed design

in between



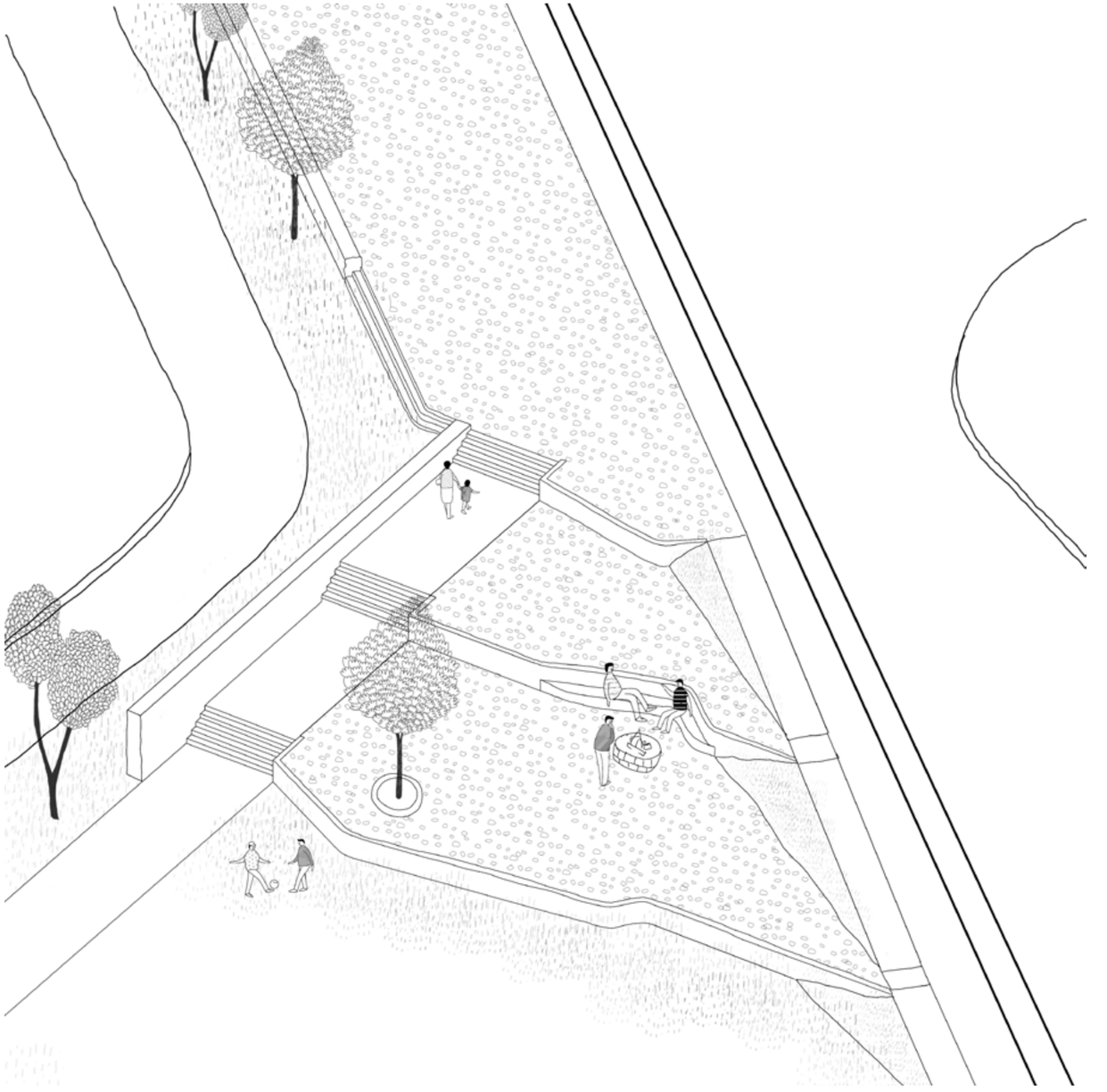
in between



floor plan

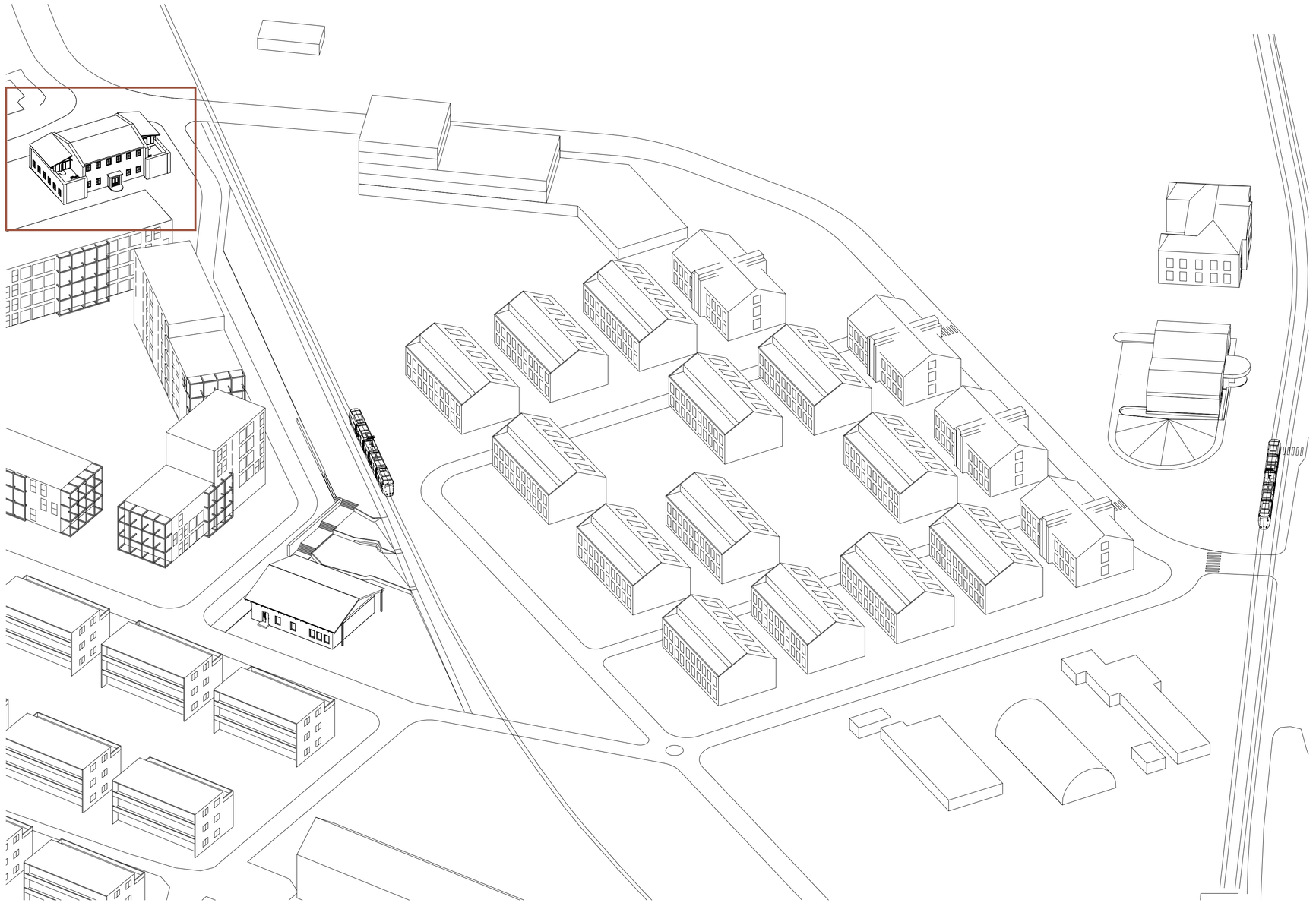
0 2 4 6m

in between



sauna

sauna

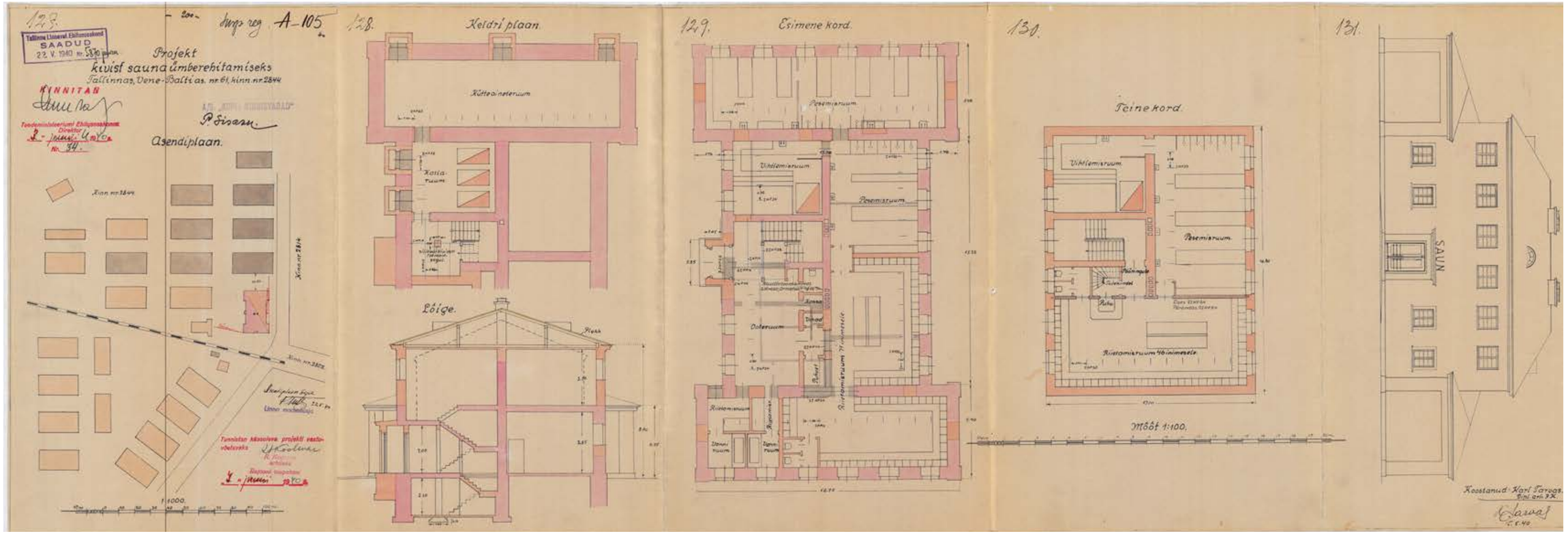


sauna

proposed design

sauna

proposed design



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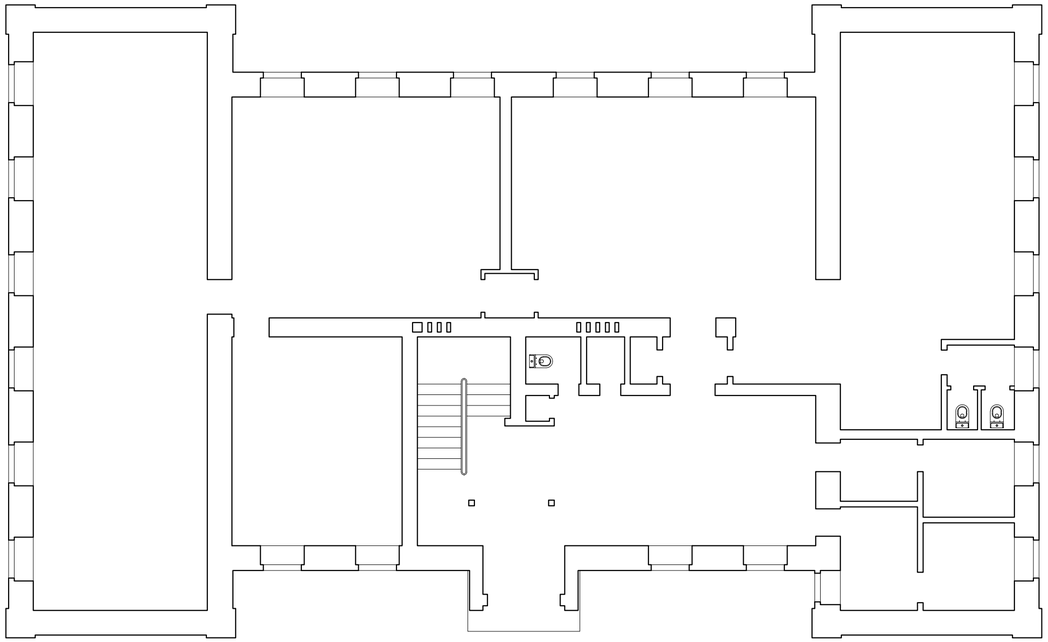

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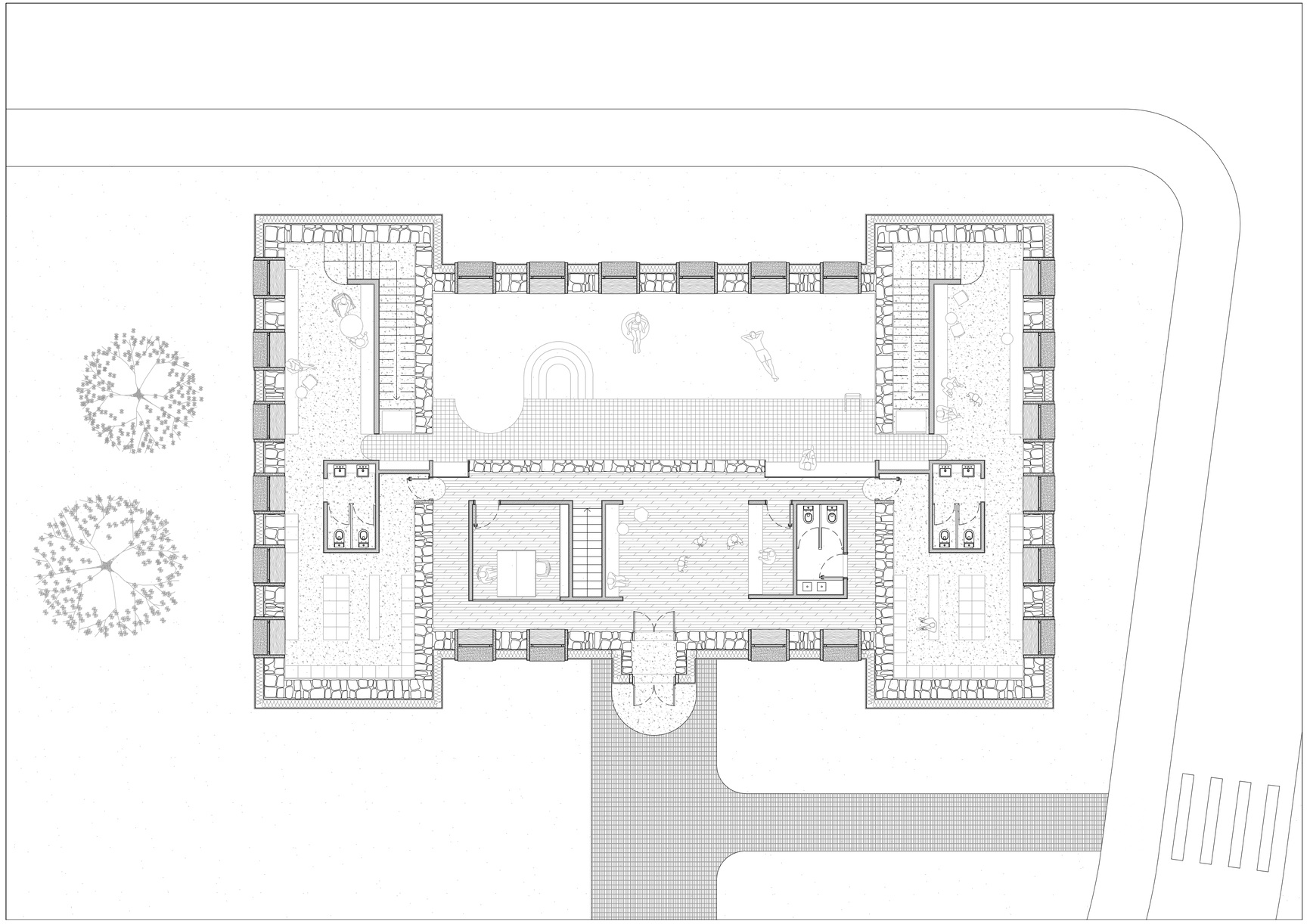

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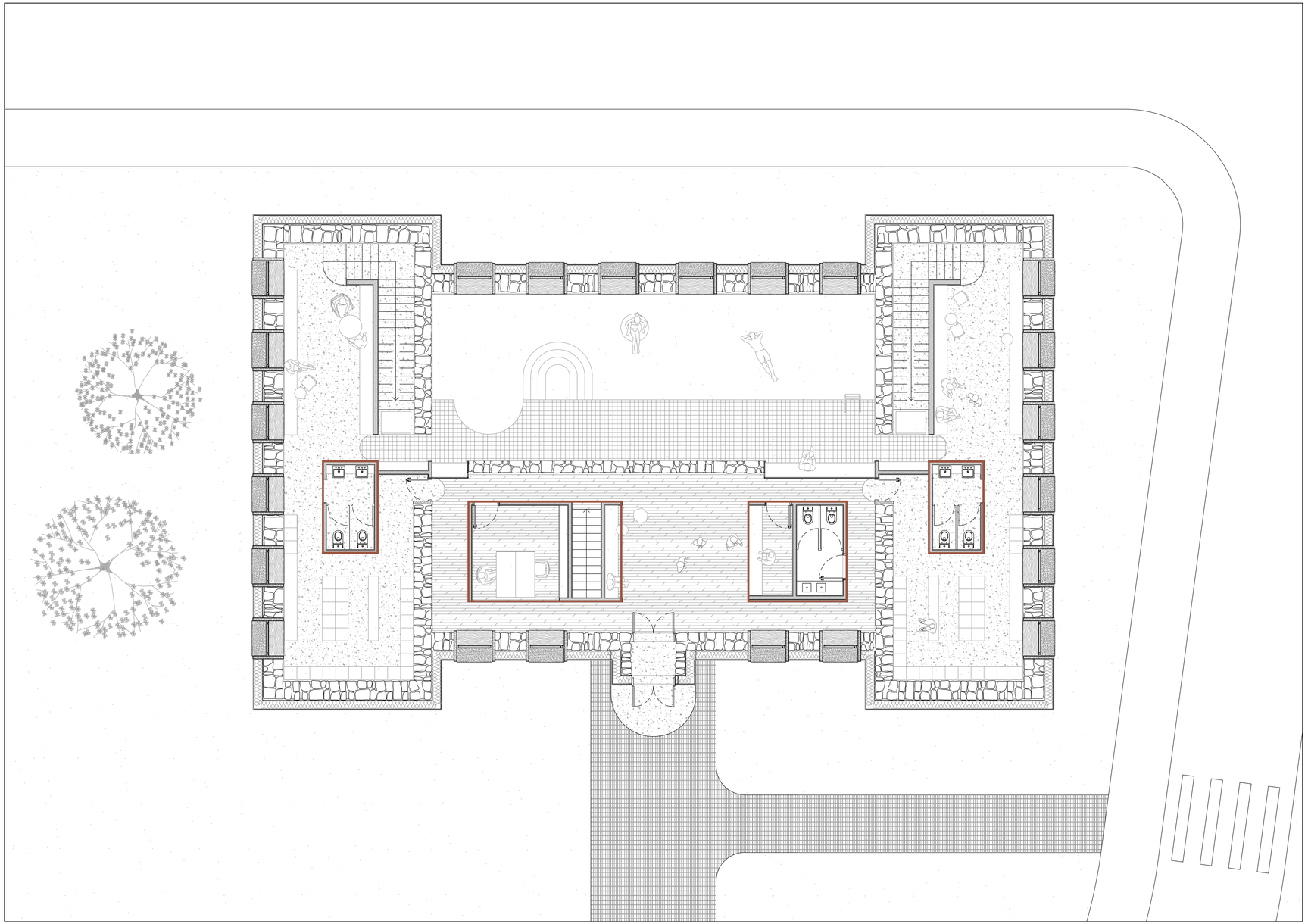

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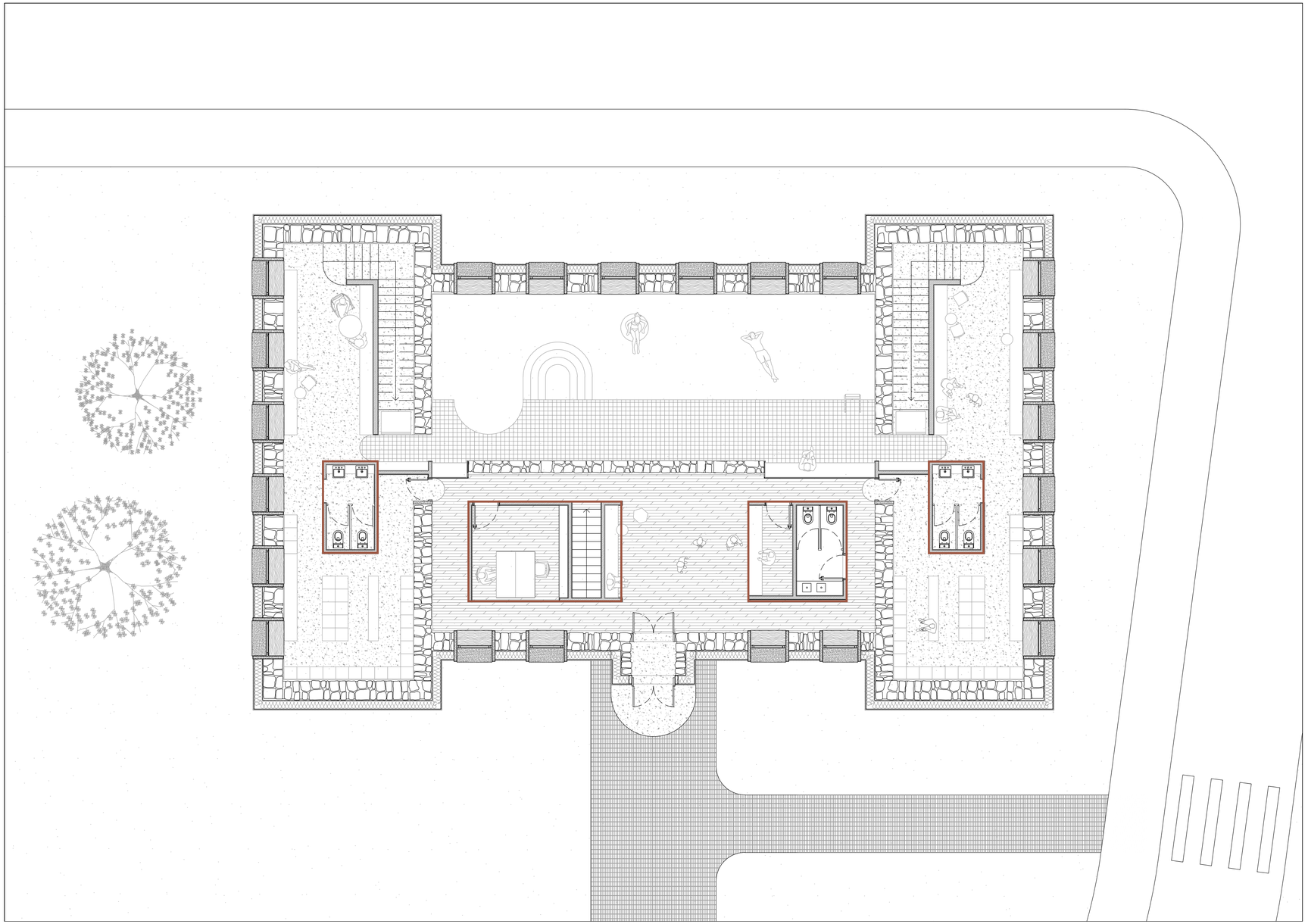

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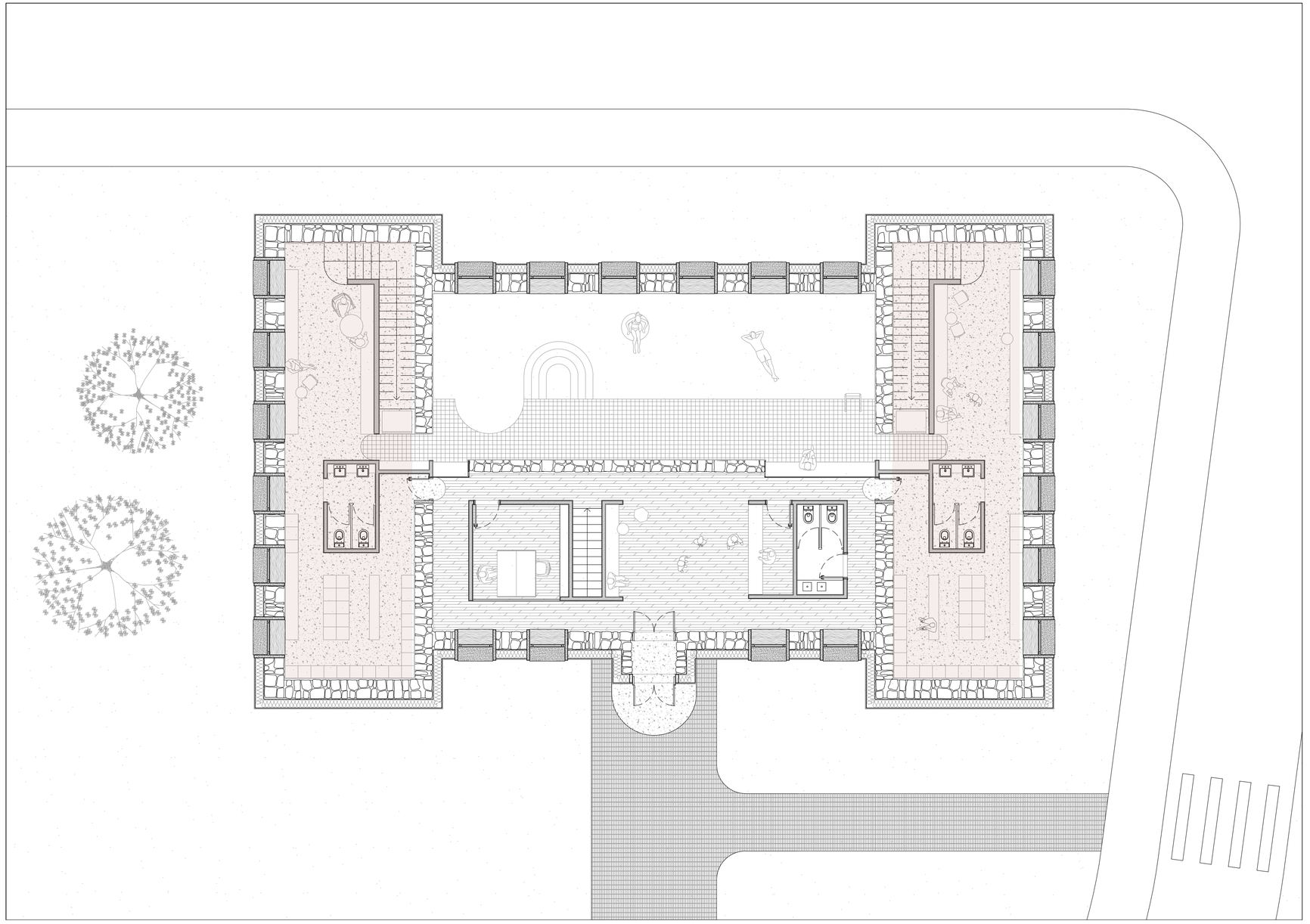

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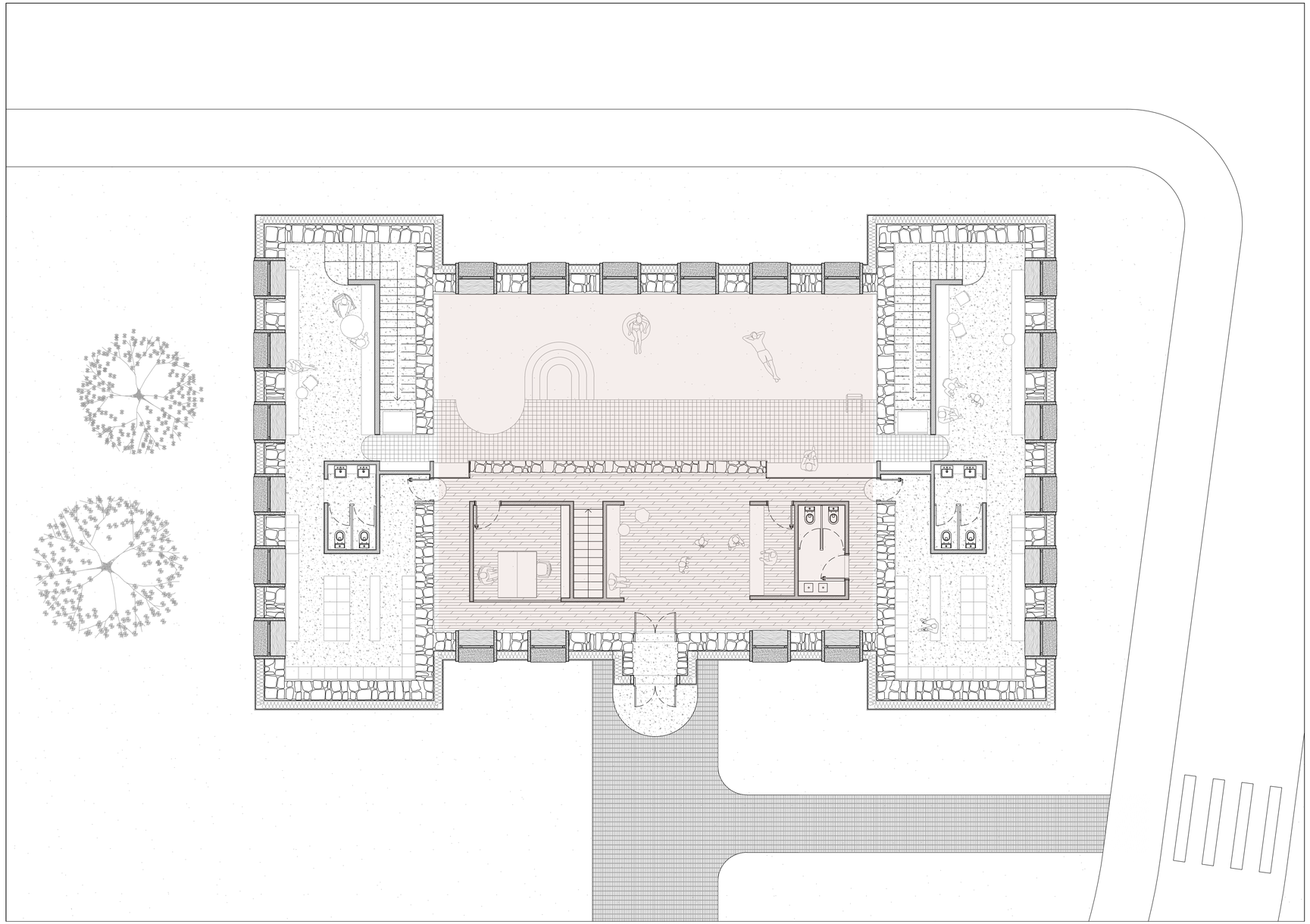

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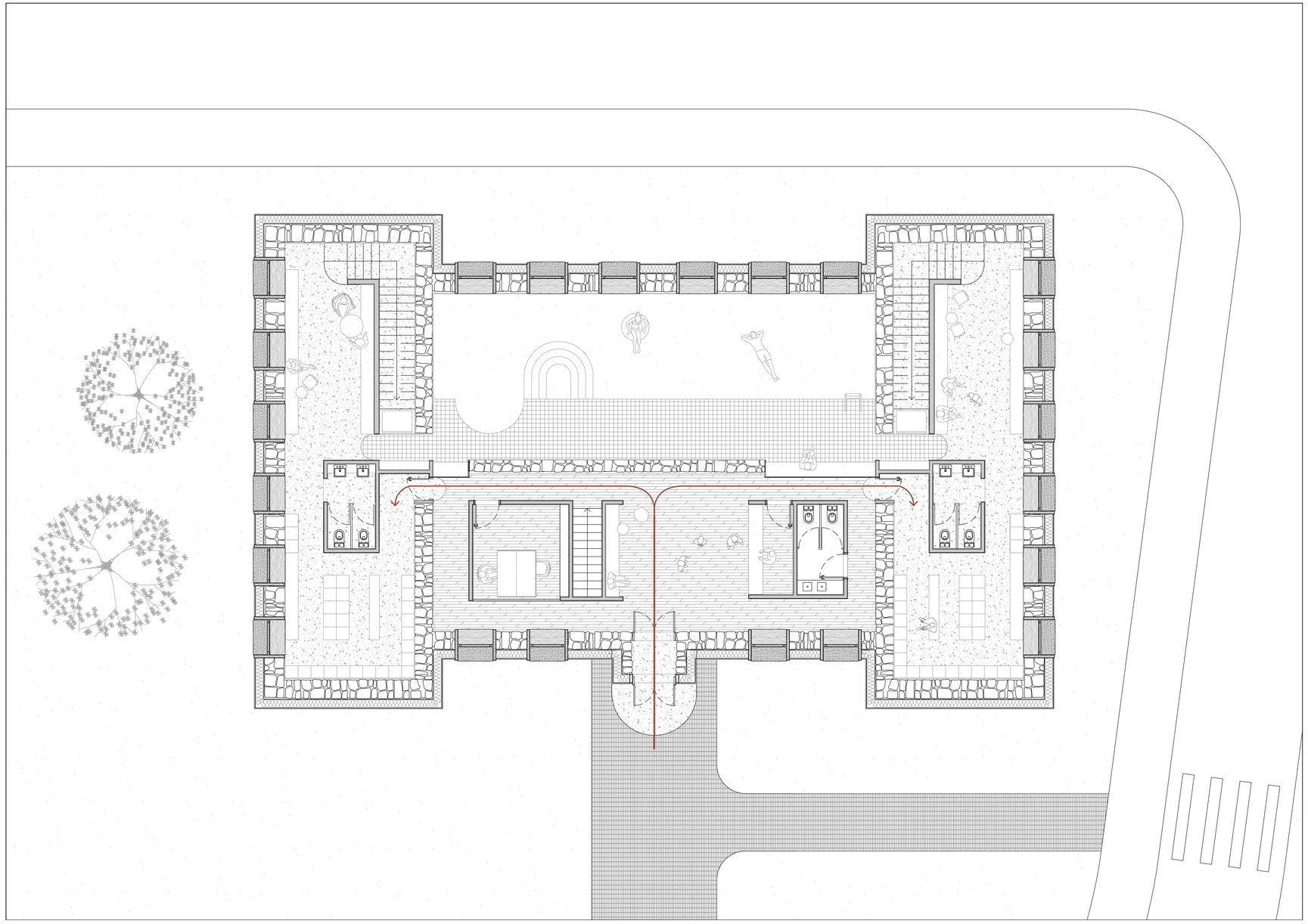

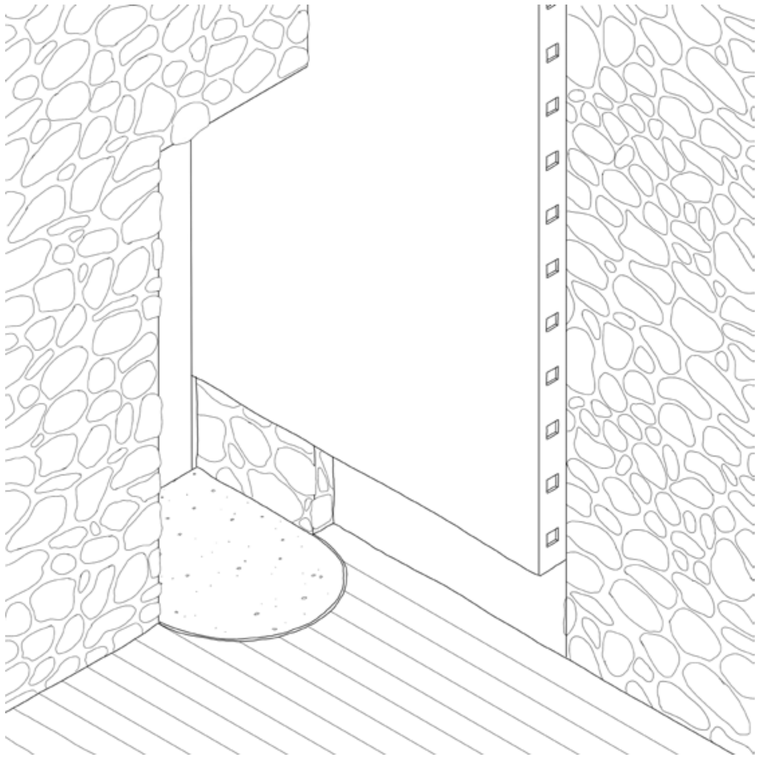

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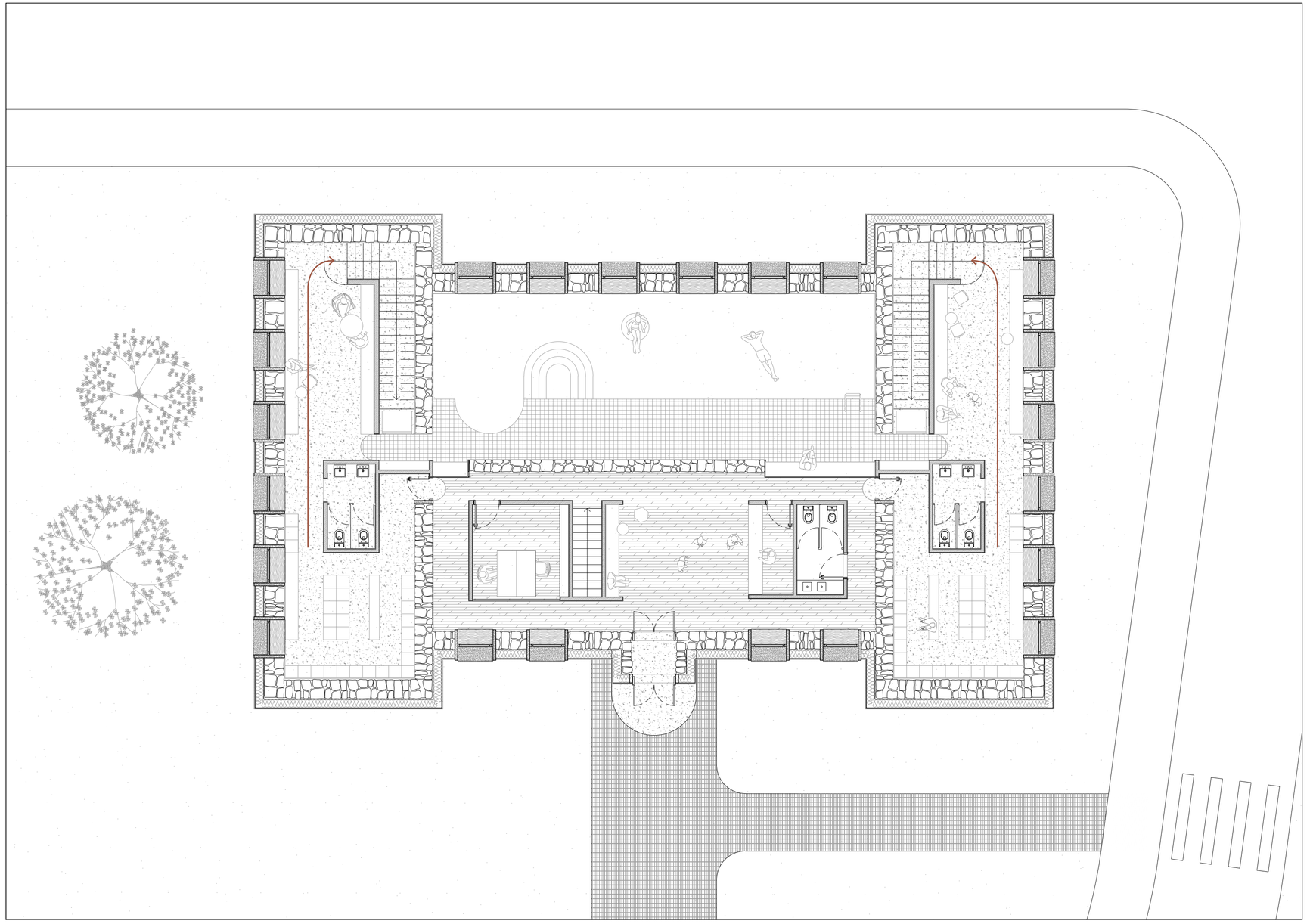

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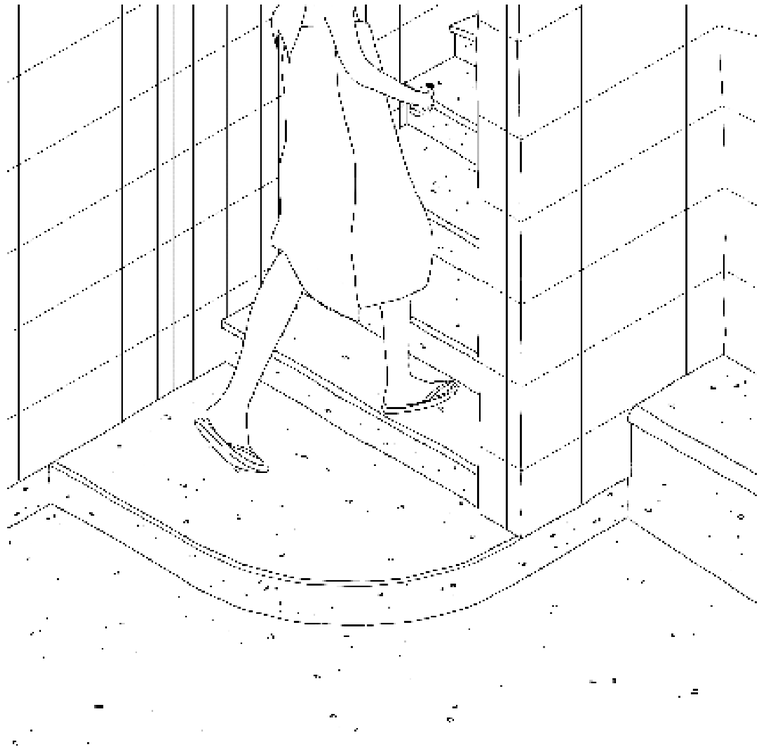

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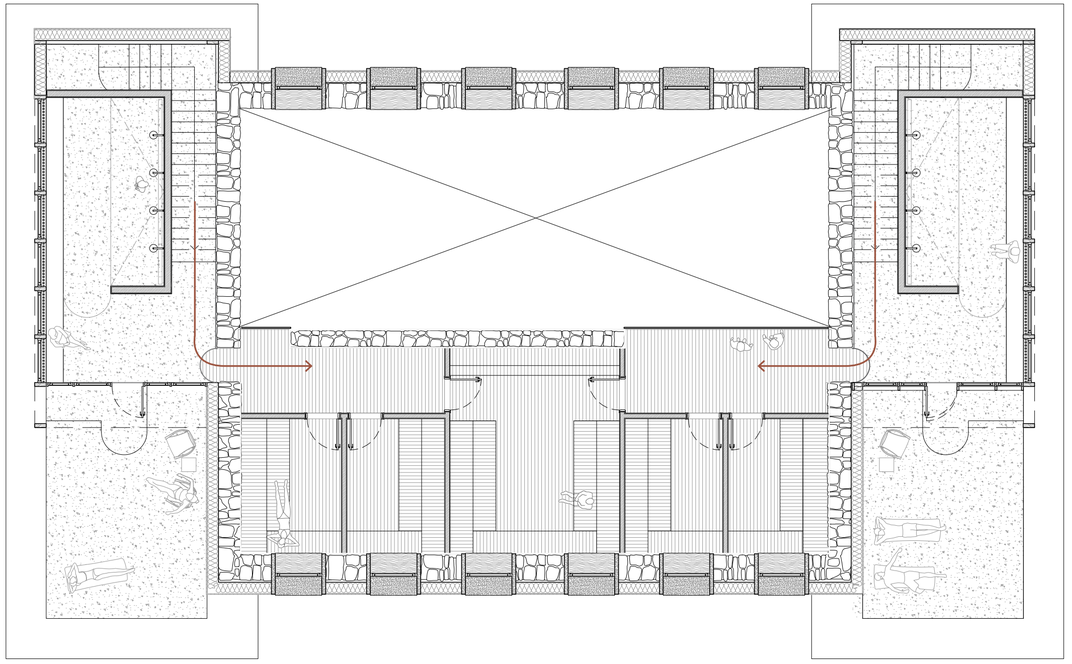

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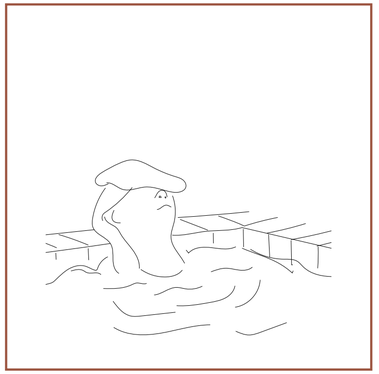

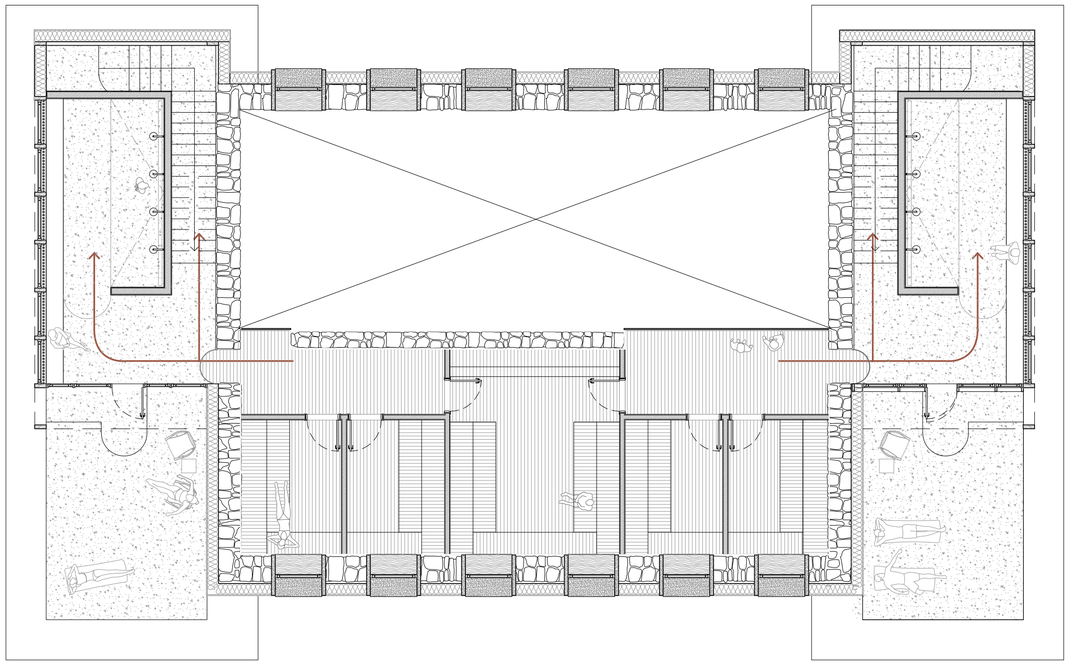

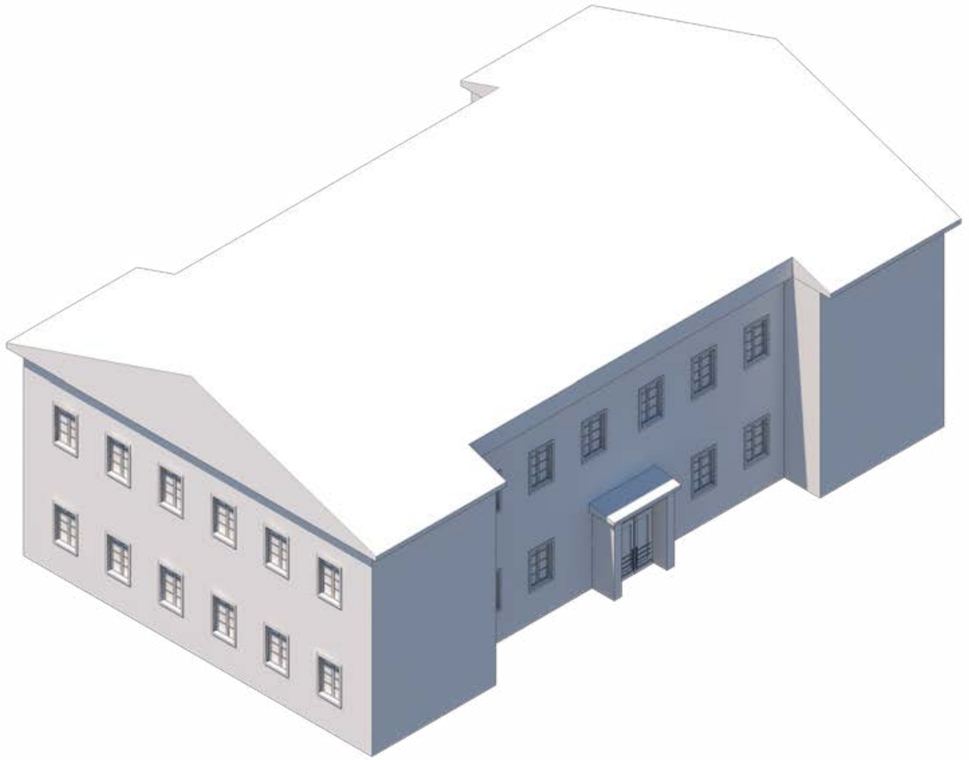

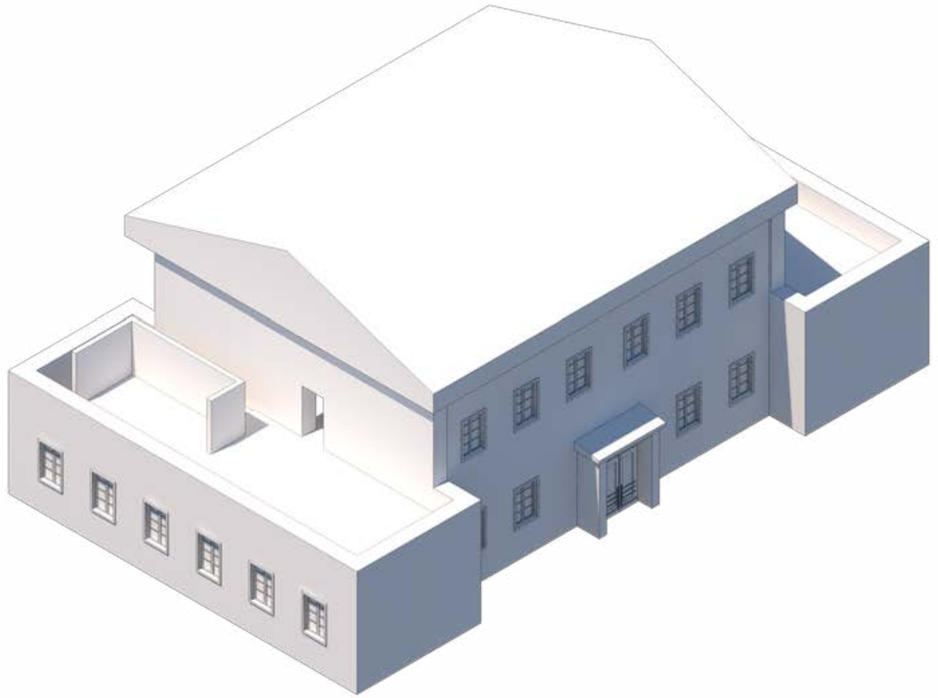

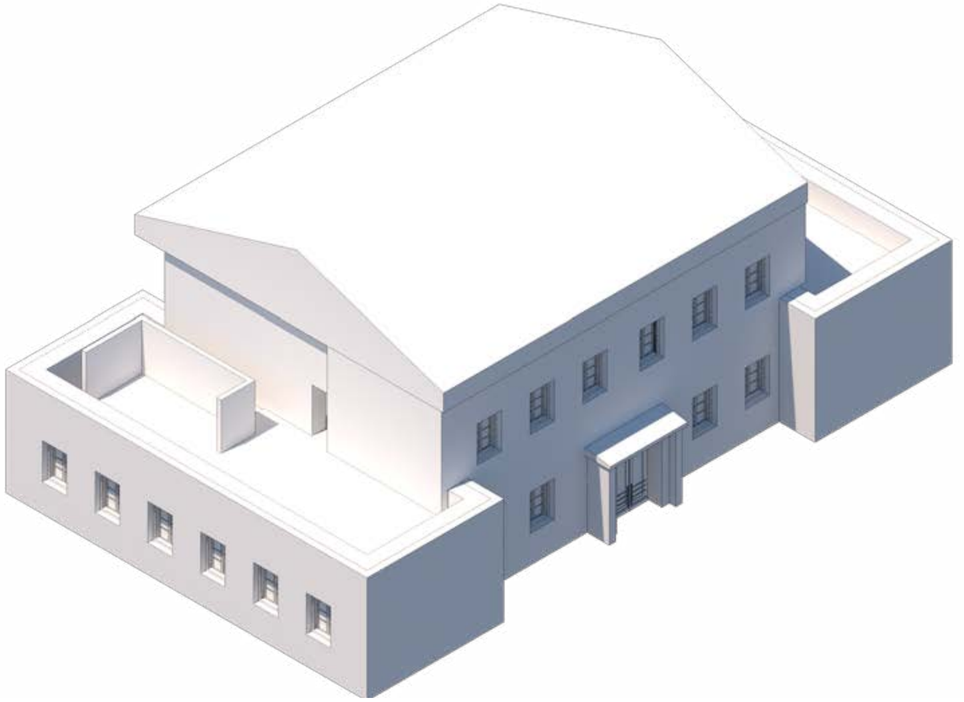

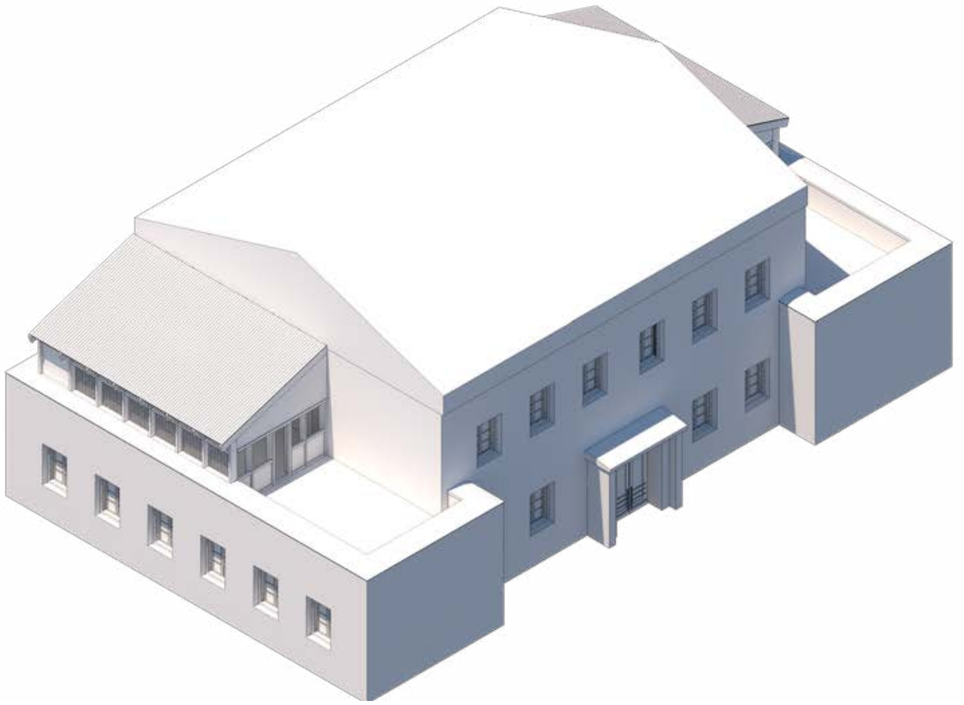

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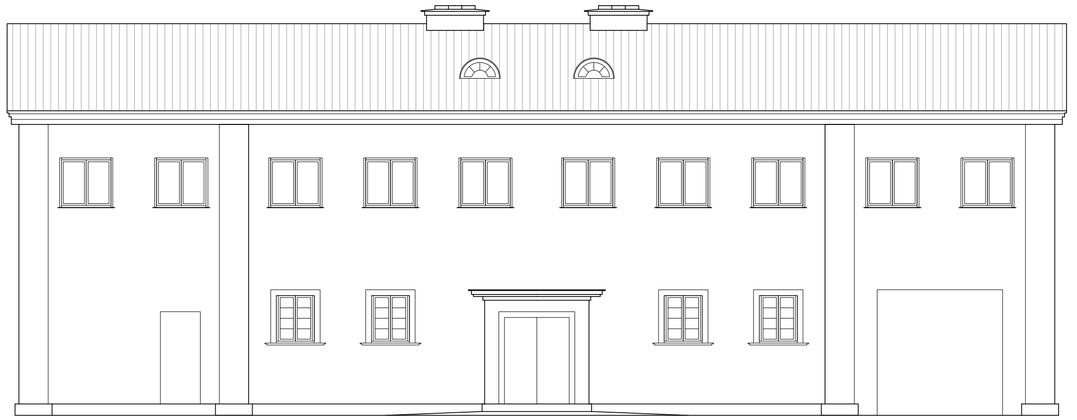

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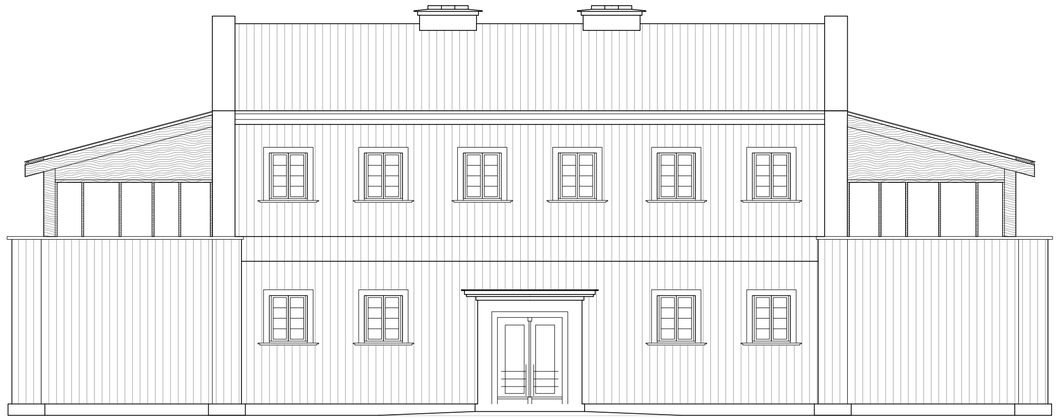

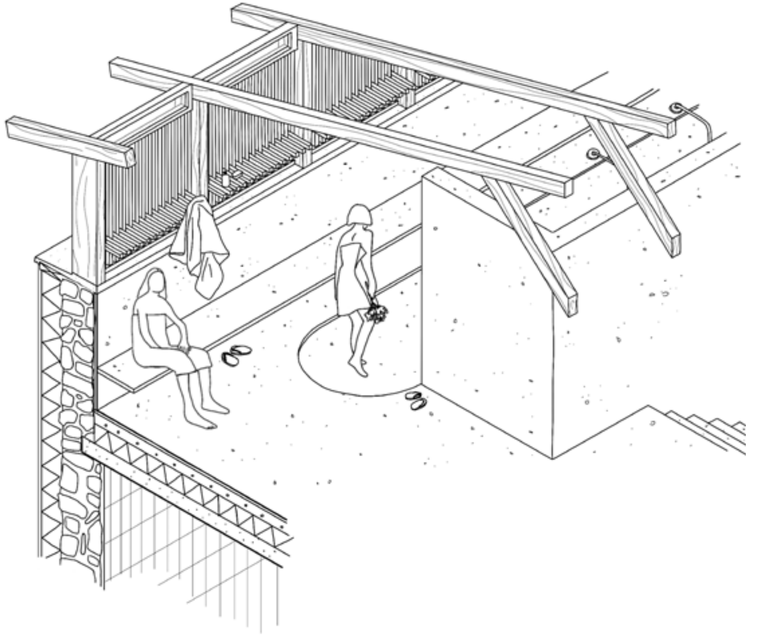

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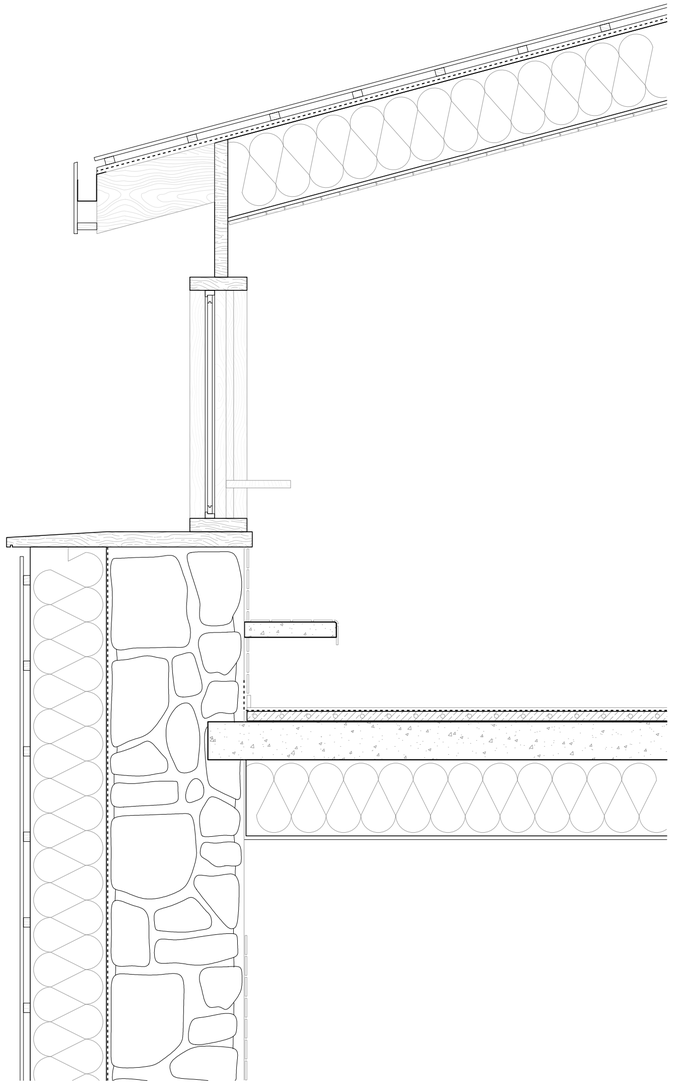


roof construction

20mm oak boarding outer face charred

36/50mm battens

36/50 counter-battens

diffusion open sub-roof membrane

18mm plywood panel

275/75mm glulam timber beams

lime hemp insulation

25mm timber sheating

floor construction

20 mm terrazzo flooring

35mm jupiter ideal eco floor heating

existing slab

lime hemp insulation

18mm plywood panel

25mm timber sheating

facade construction

20mm oak boarding outer face charred

36/50mm battens

36/50 counter-battens

18mm plywood panel

lime hemp insulation

fluid applied vapor permeable weather resistive barrier

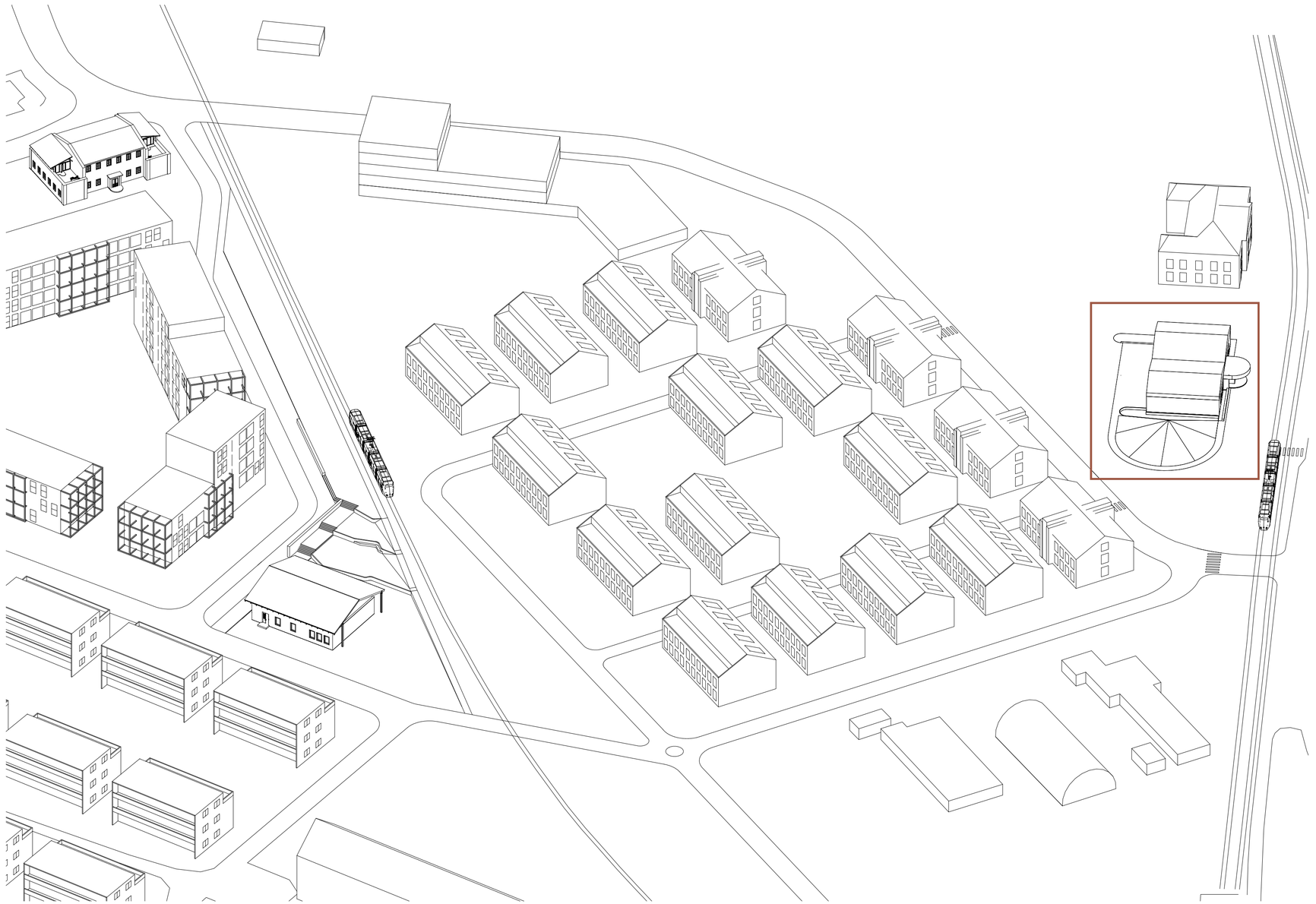
lime cement parging

existng stone wall

sauna

cinema

cinema



cinema

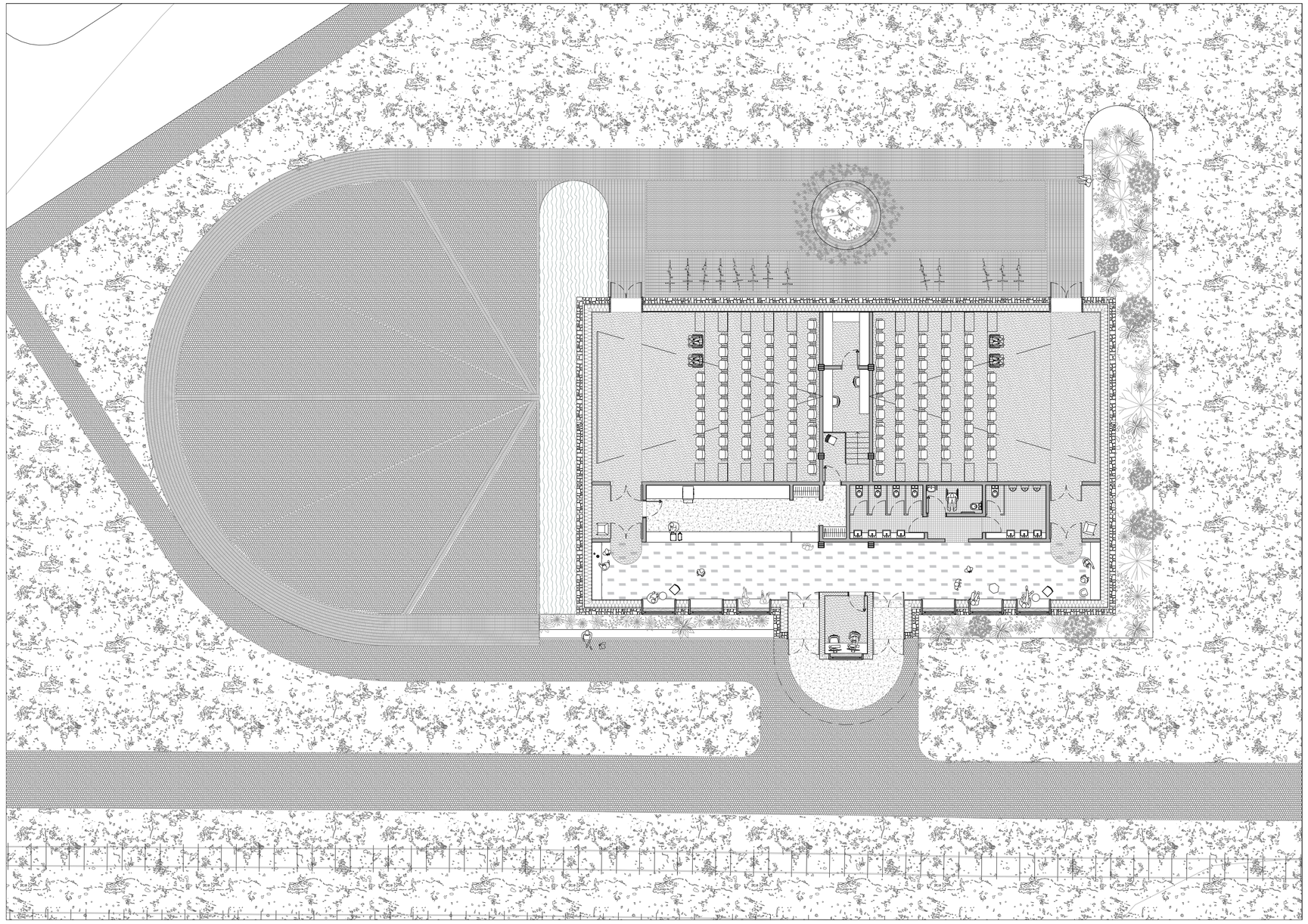
proposed design

Väljavõtte õige:
Vällavõtt sõltus
Pärnu-Jaagupi piirijoon
Pärnu mnt
Pärnu-Jaagupi
Pärnu-Jaagupi
Pärnu-Jaagupi

cinema

proposed design

cinema



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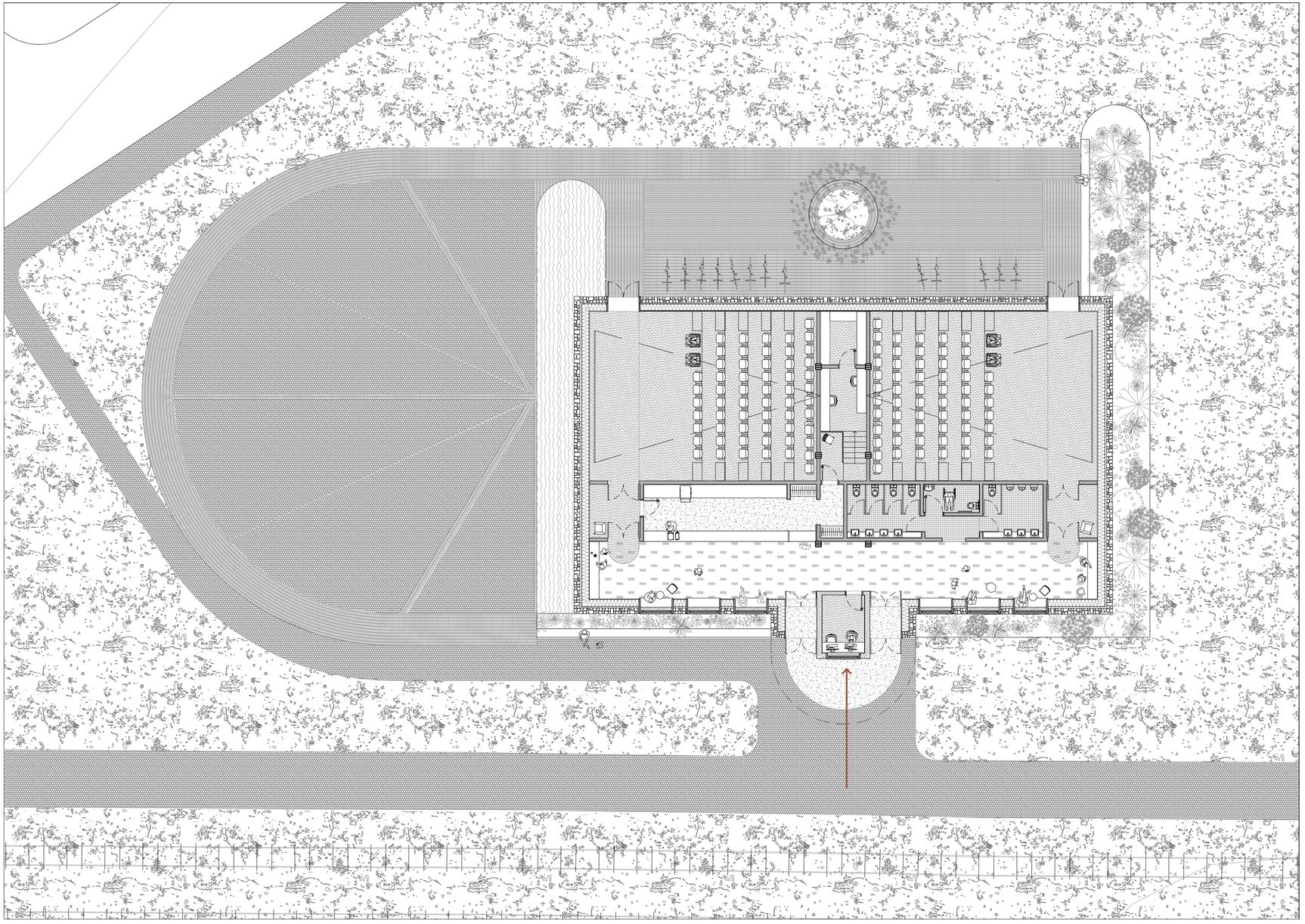

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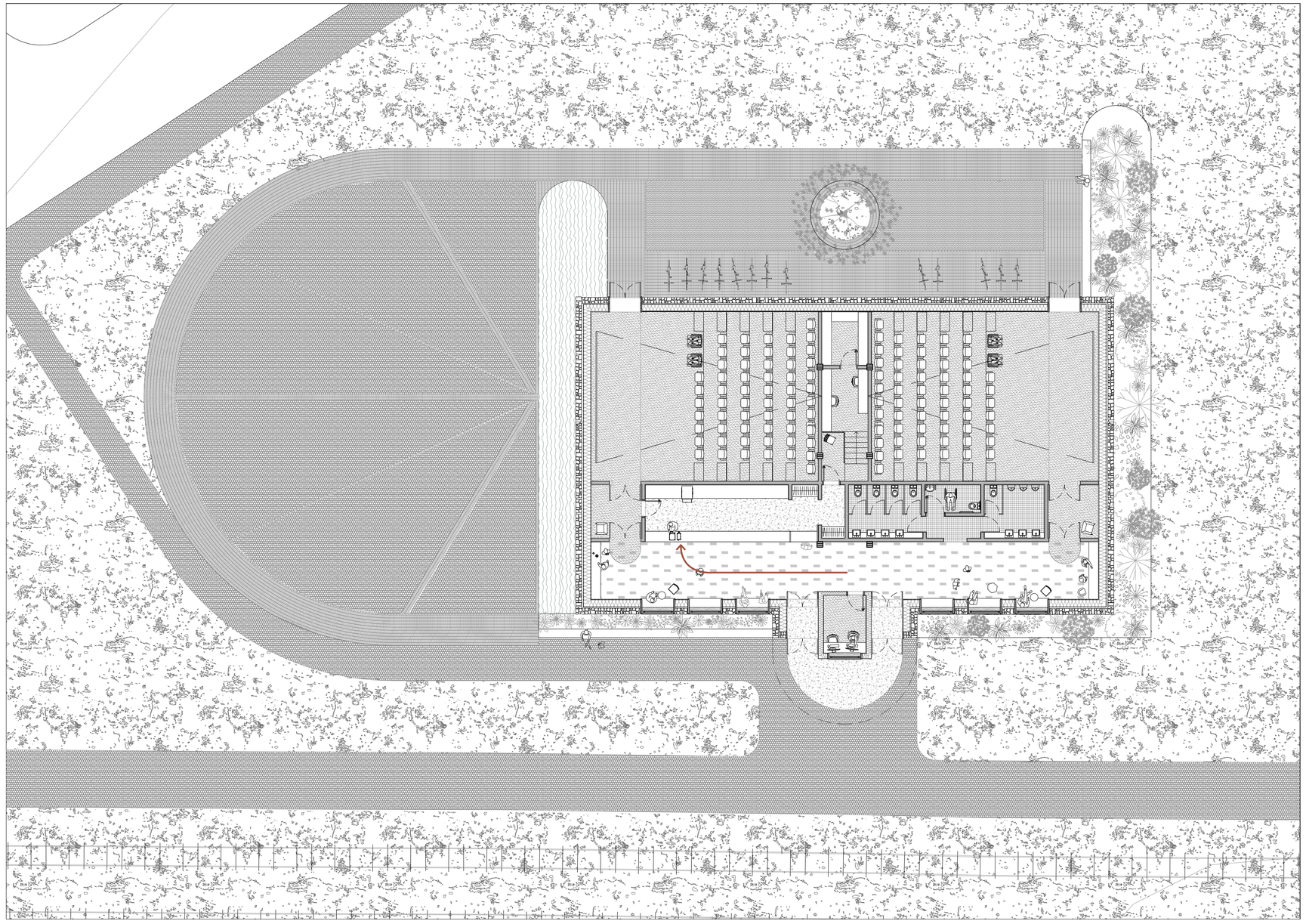

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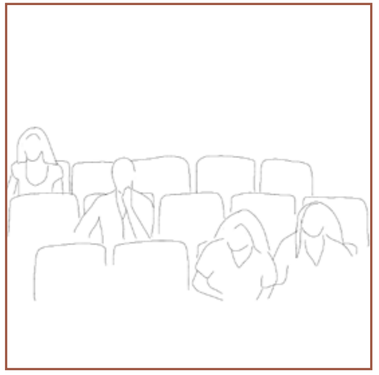
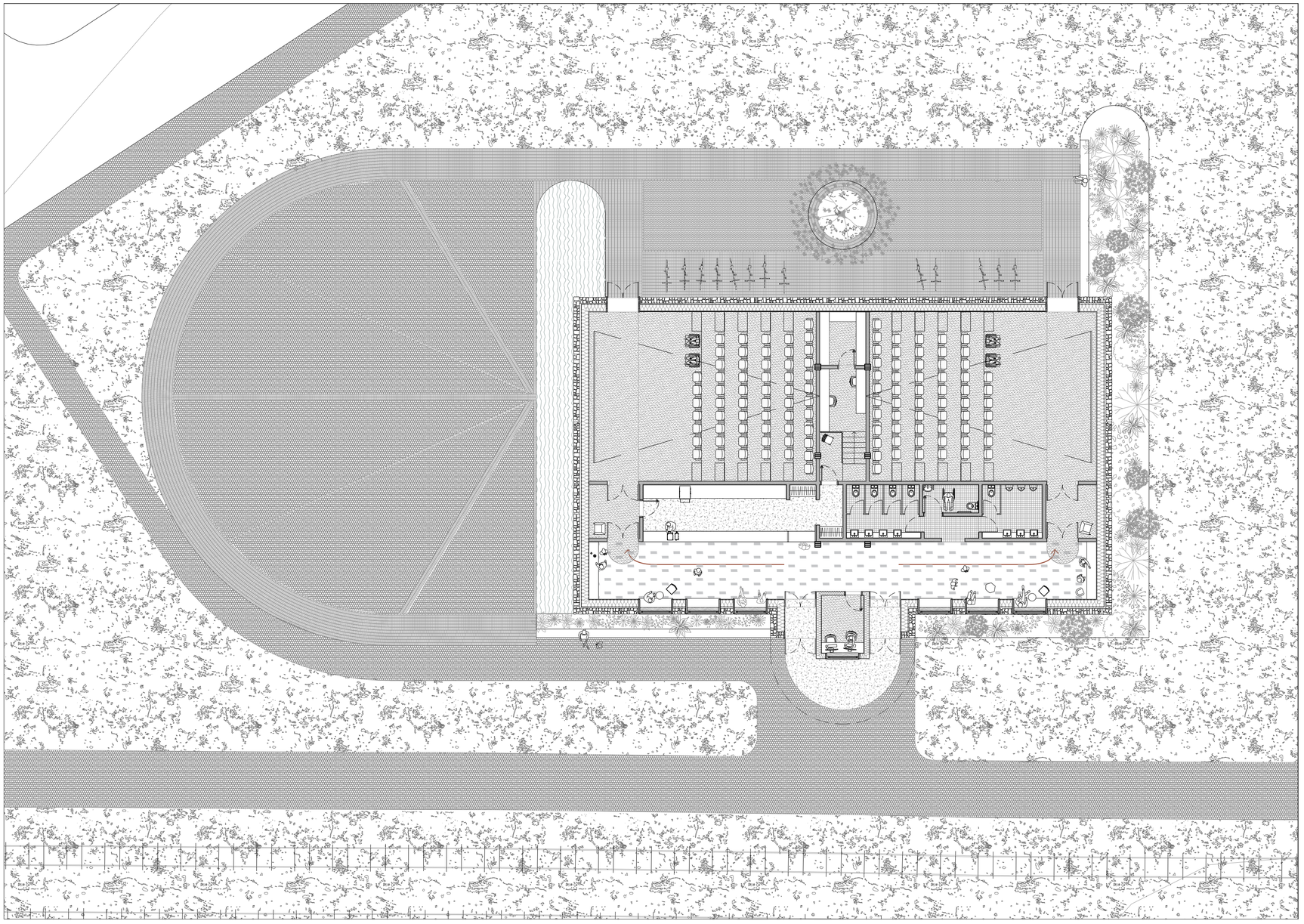
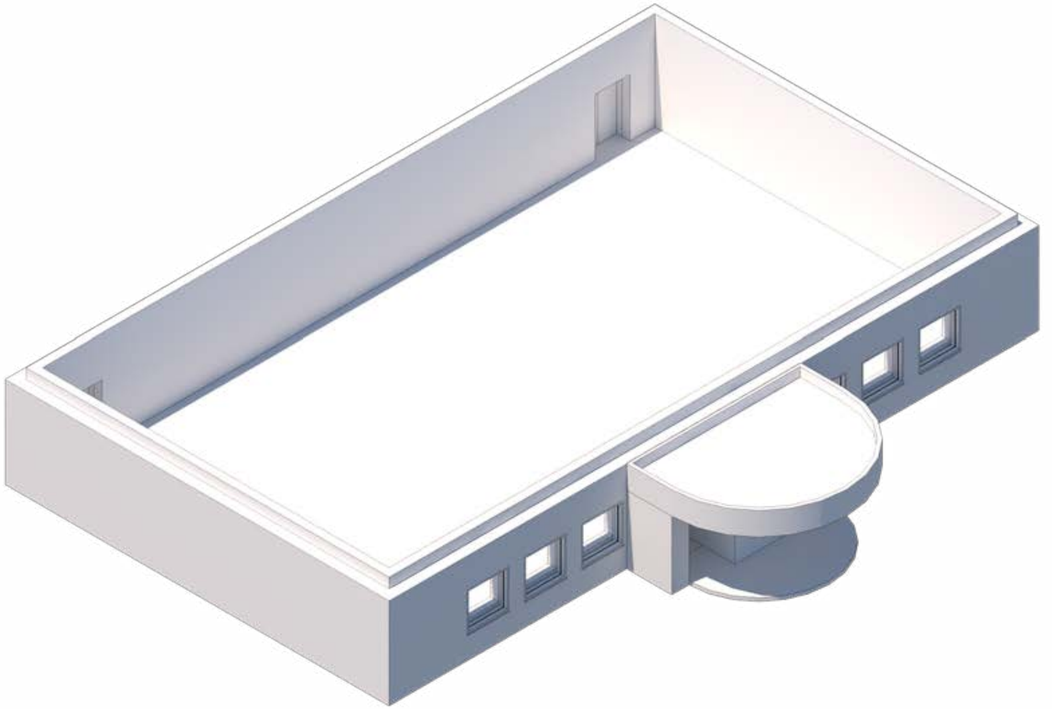
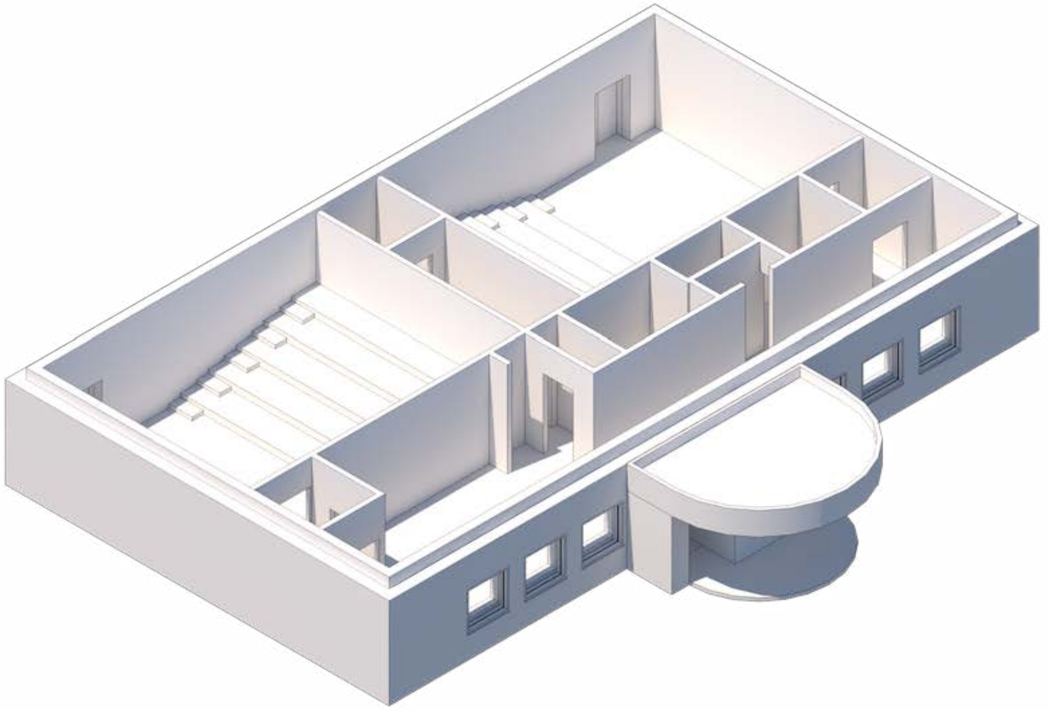
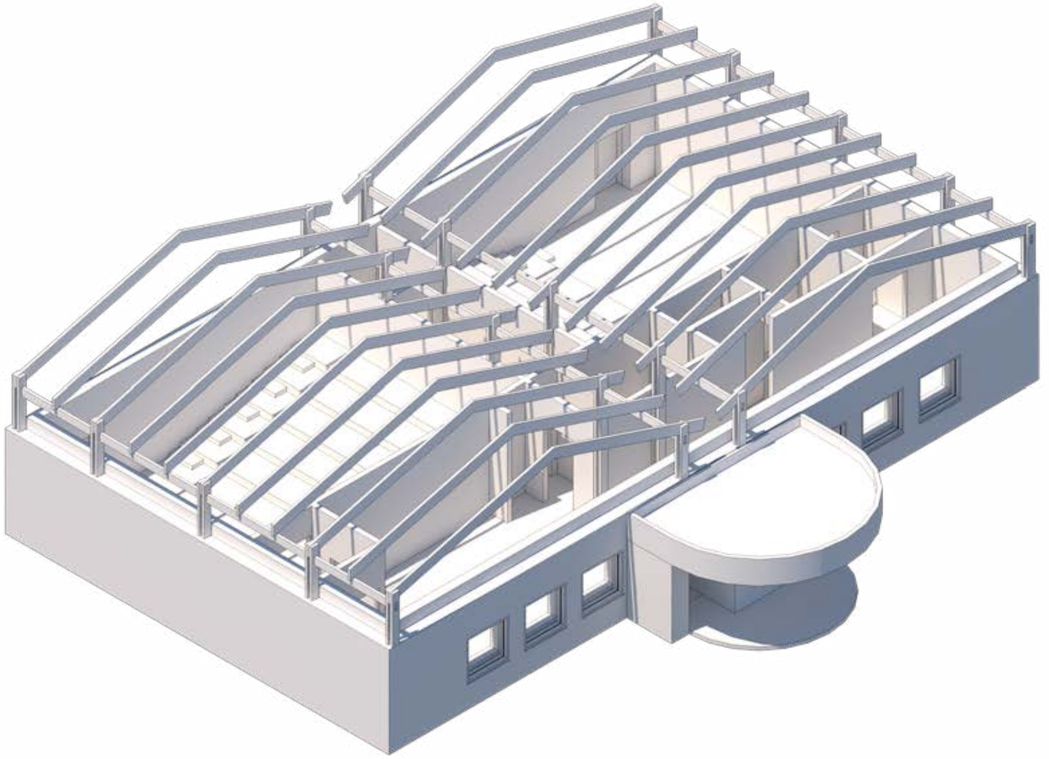
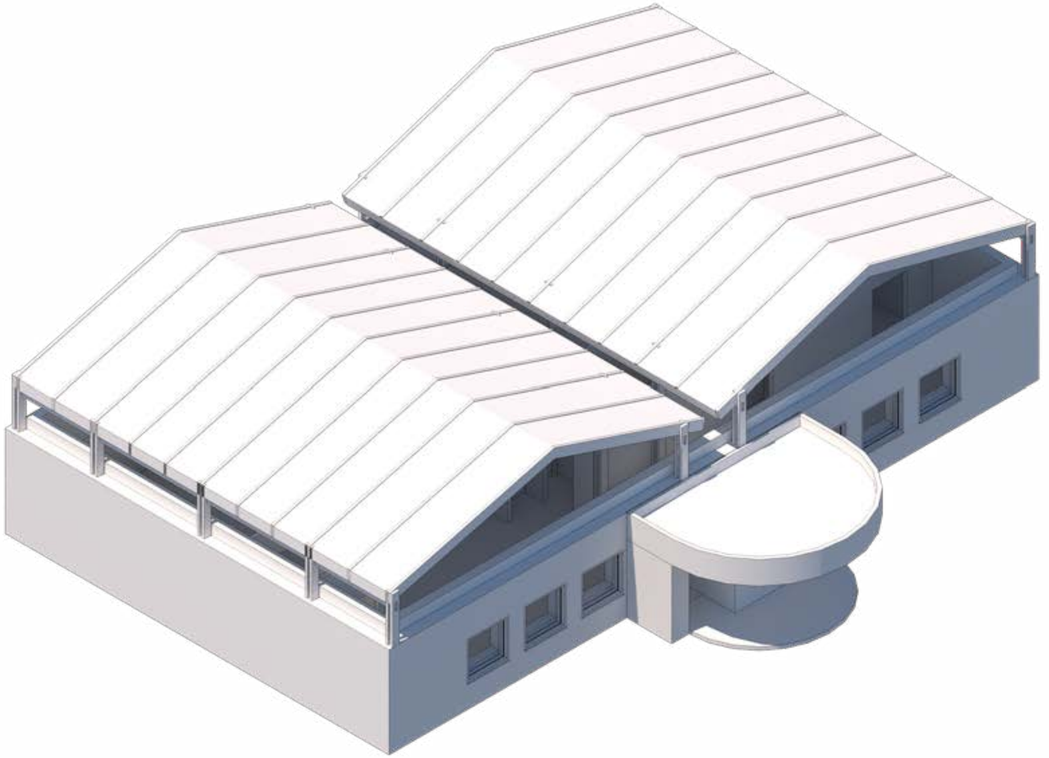


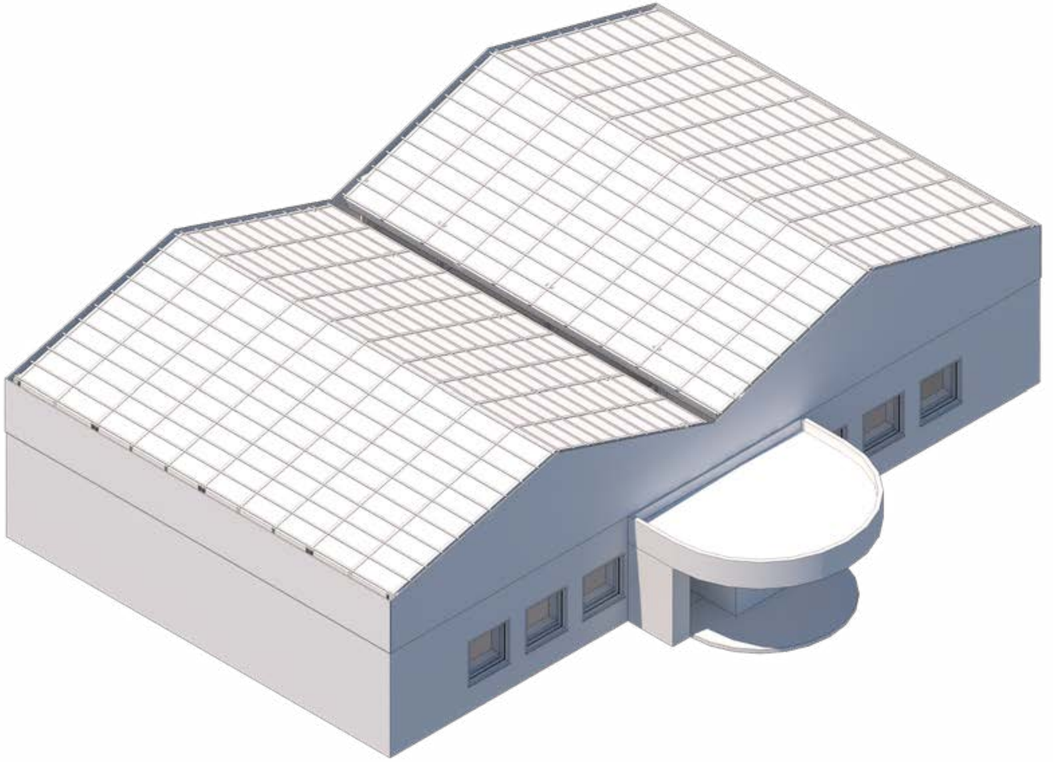


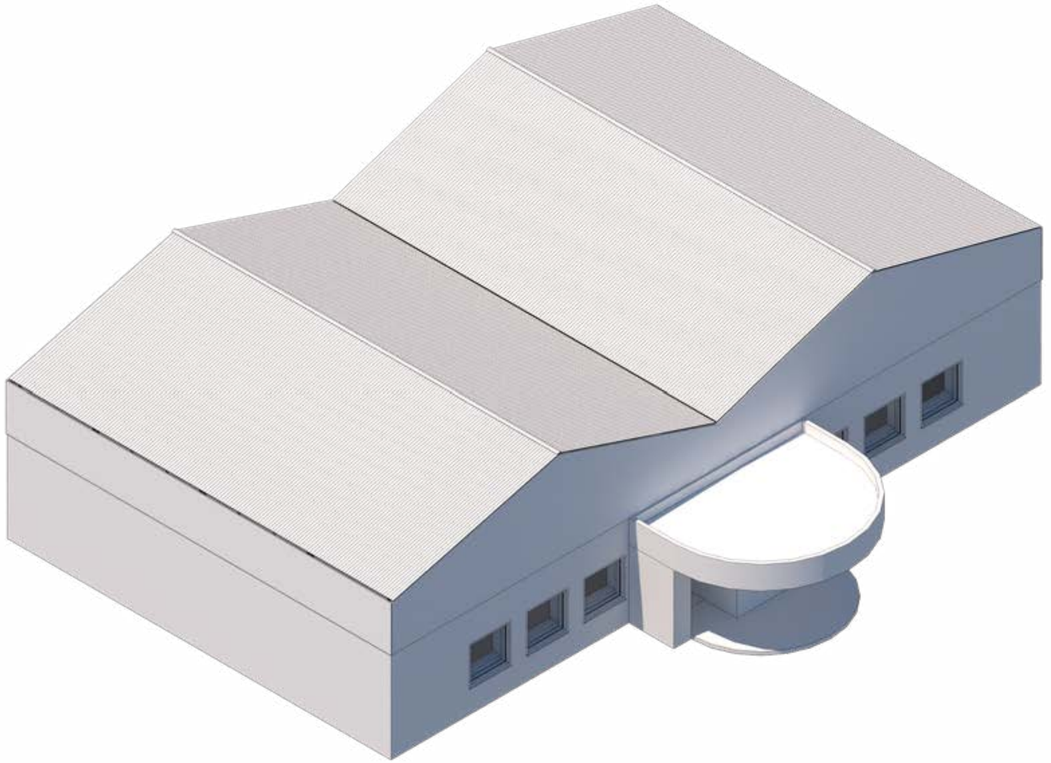


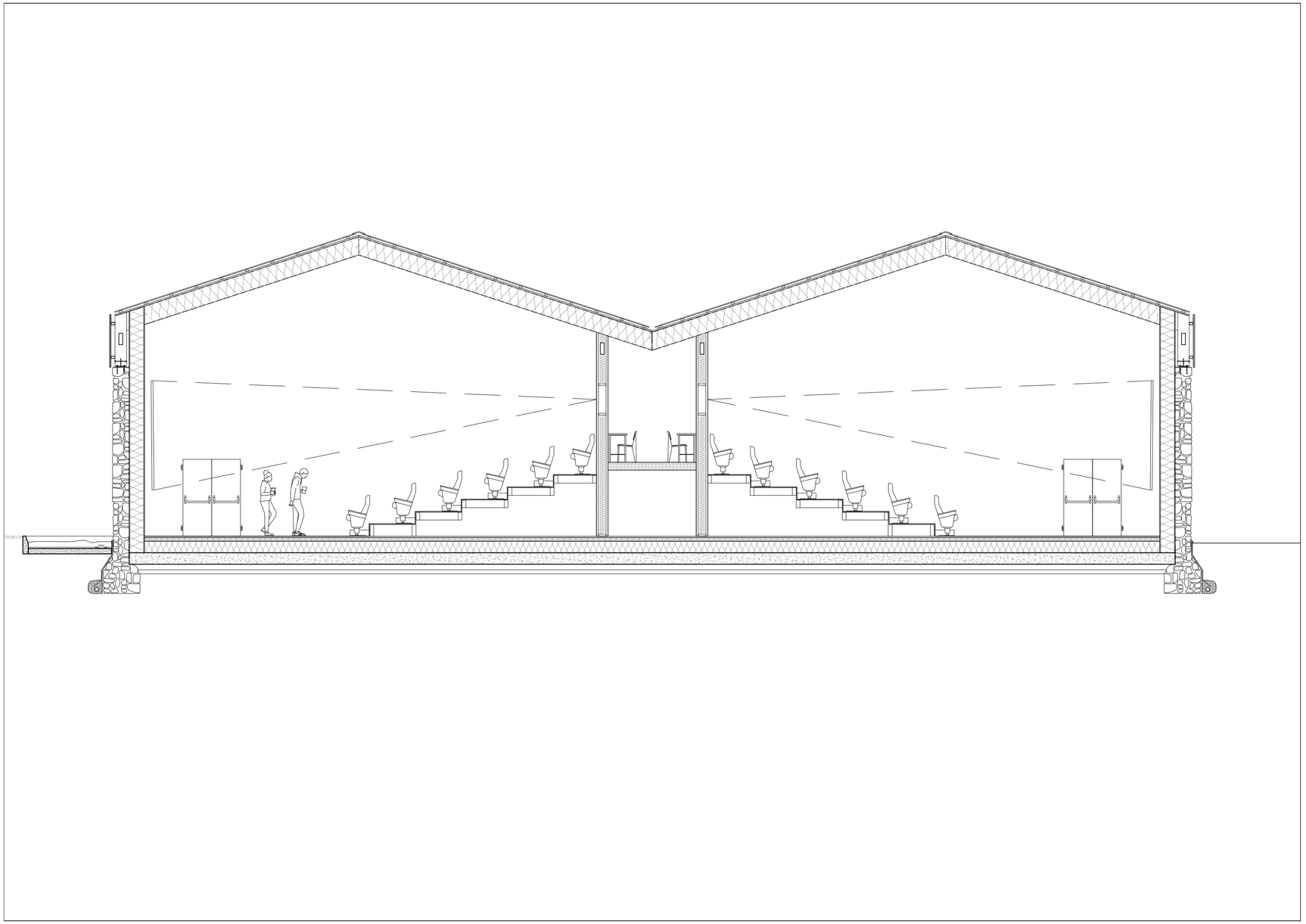




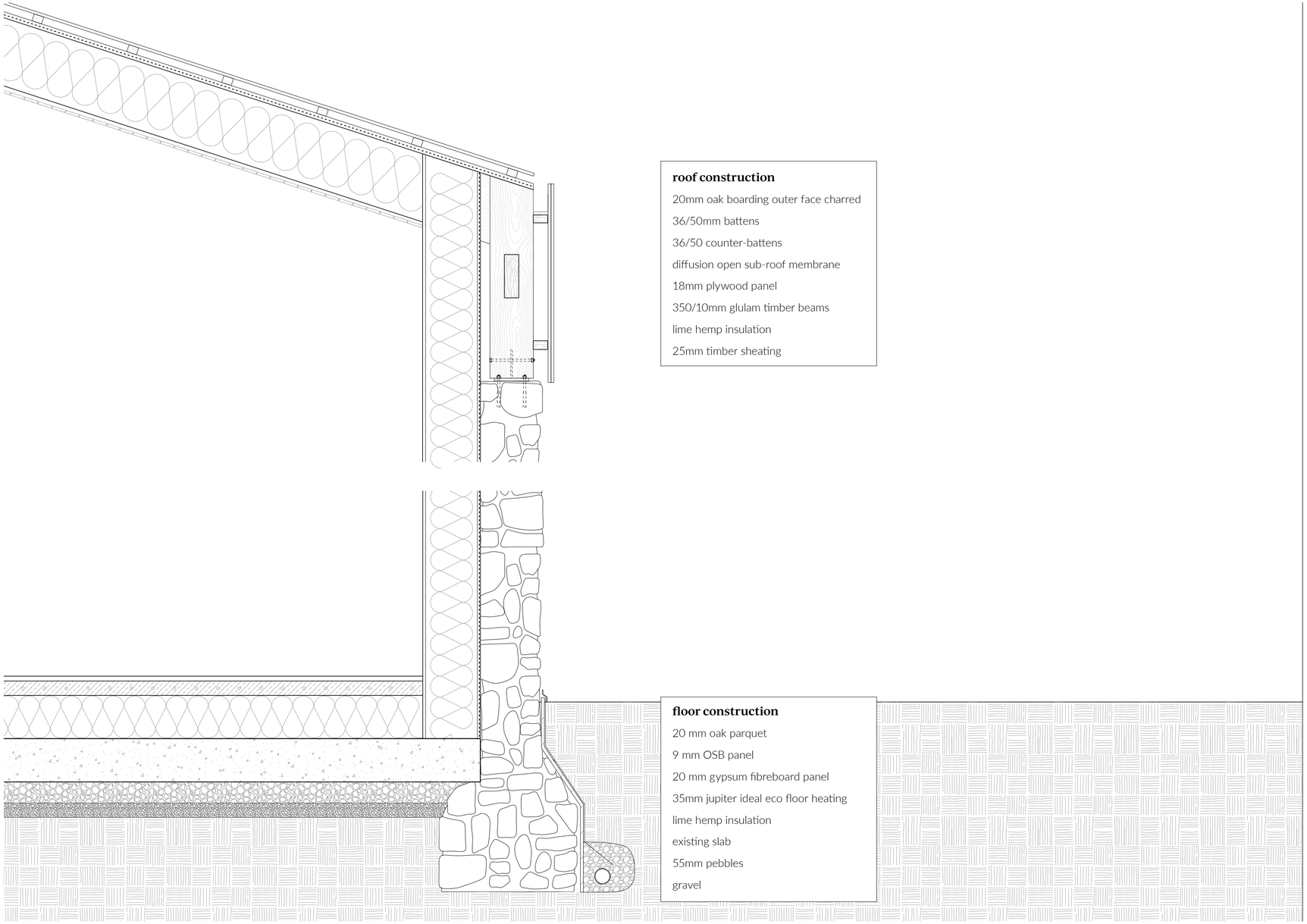








cinema



roof construction

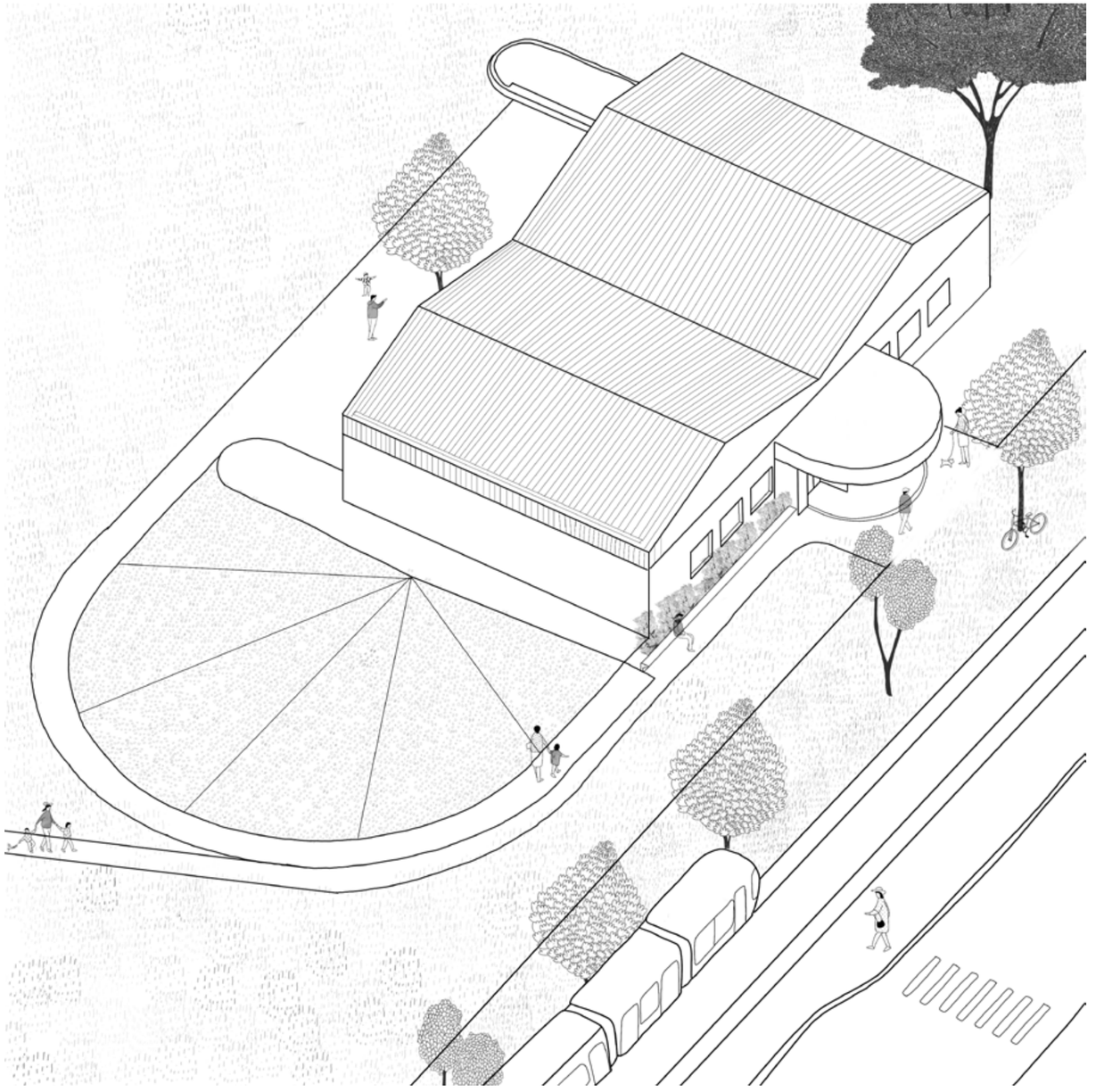
20mm oak boarding outer face charred
36/50mm battens
36/50 counter-battens
diffusion open sub-roof membrane
18mm plywood panel
350/10mm glulam timber beams
lime hemp insulation
25mm timber sheating

floor construction

20 mm oak parquet
9 mm OSB panel
20 mm gypsum fibreboard panel
35mm jupiter ideal eco floor heating
lime hemp insulation
existing slab
55mm pebbles
gravel

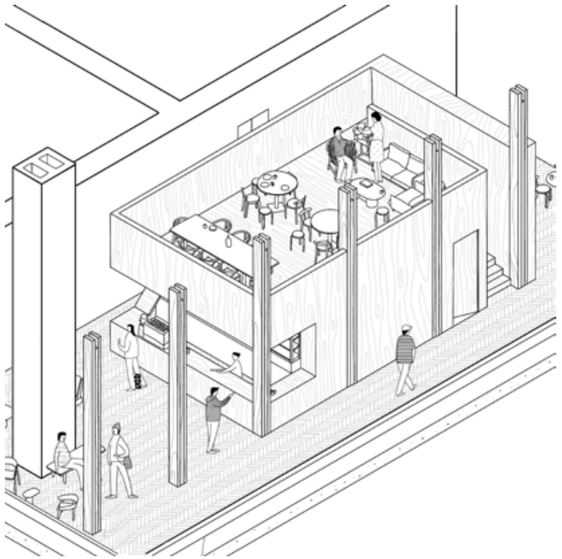
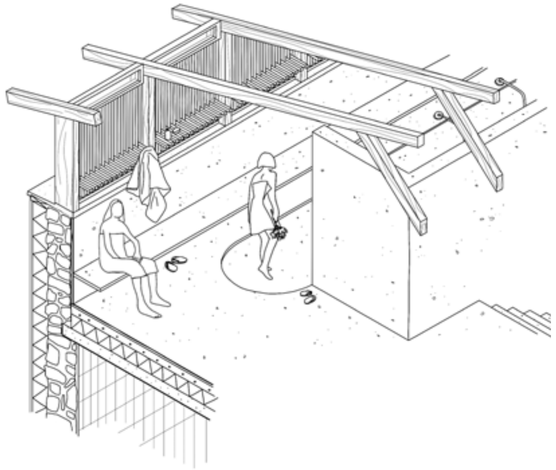
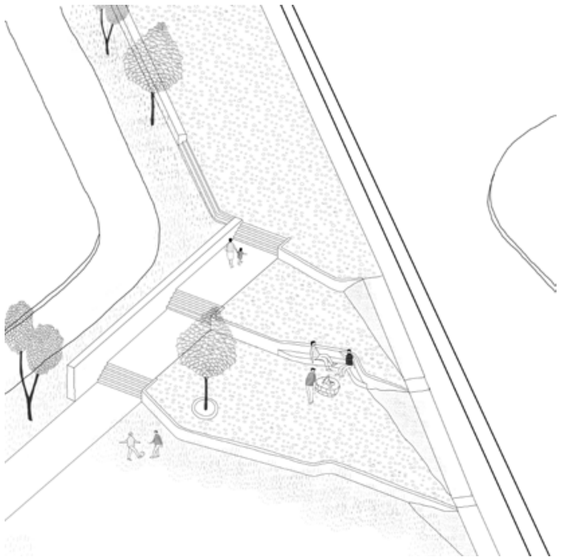
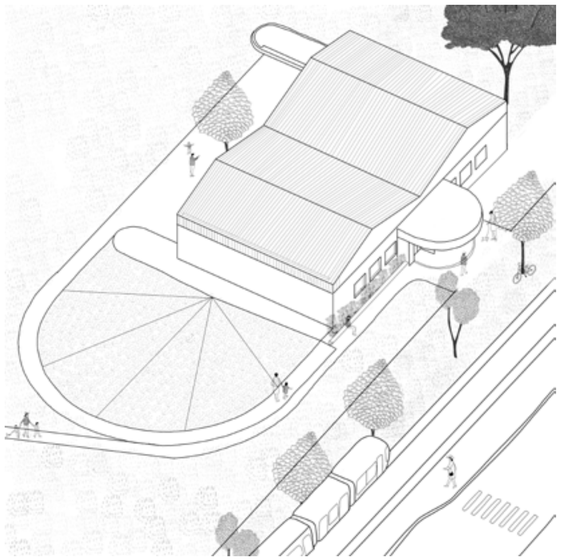
cinema

cinema



cinema

"The trust of a city street is formed over time from many little public sidewalk contacts. It grows out of people stopping by at the bar for a beer, getting advice from the grocer and giving advice to the newsstand man, comparing opinions with other customers at the bakery […]

The sum of such casual, public contact at a local level […] is a feeling for the public identity of people, a web of public respect and trust, and a resource in time of personal or neighborhood need."

Jane Jacobs
The Death and Life of Great American Cities