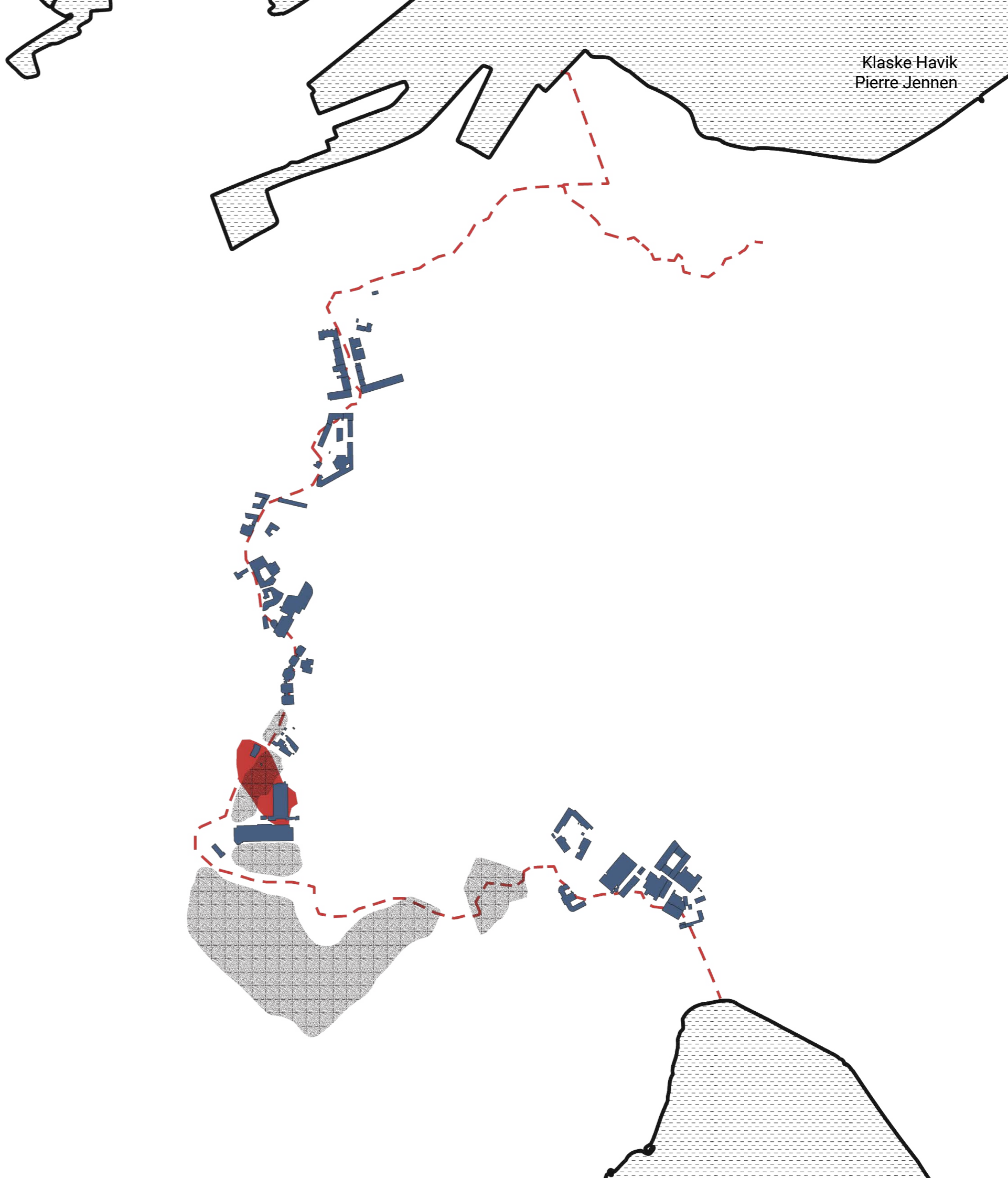


DarylN Sia  
6217044

# The River and Its Industrial Ghosts

Tallinn, Estonia

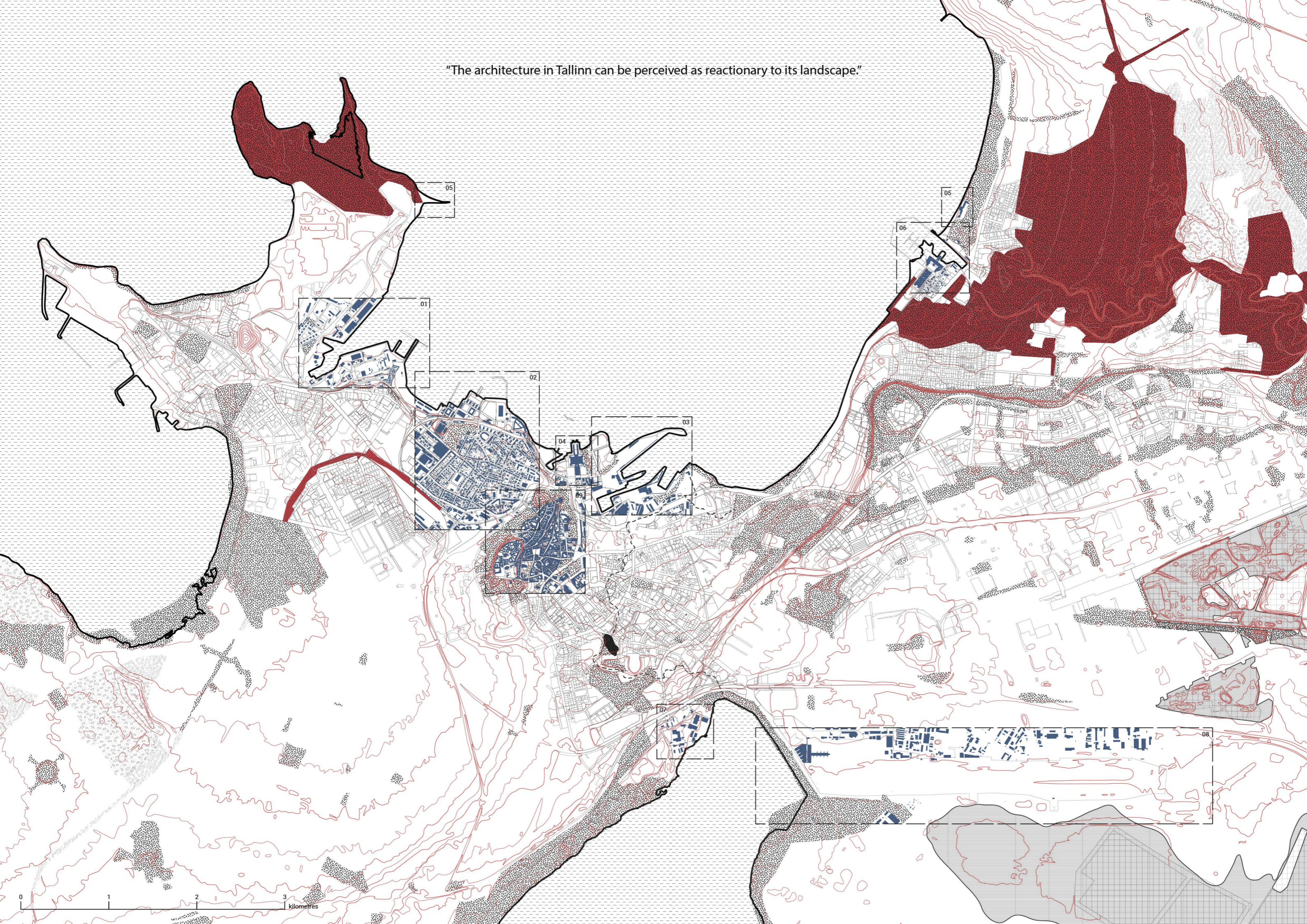
A Matter of Scale  
*Methods of Analysis and Imagination*



Klaske Havik  
Pierre Jennen

The architecture in Tallinn  
is reactionary to its landscape.

"The architecture in Tallinn can be perceived as reactionary to its landscape."



Tracing the Härjapea River.

0 100 200 300  
metres

Tallinna laht

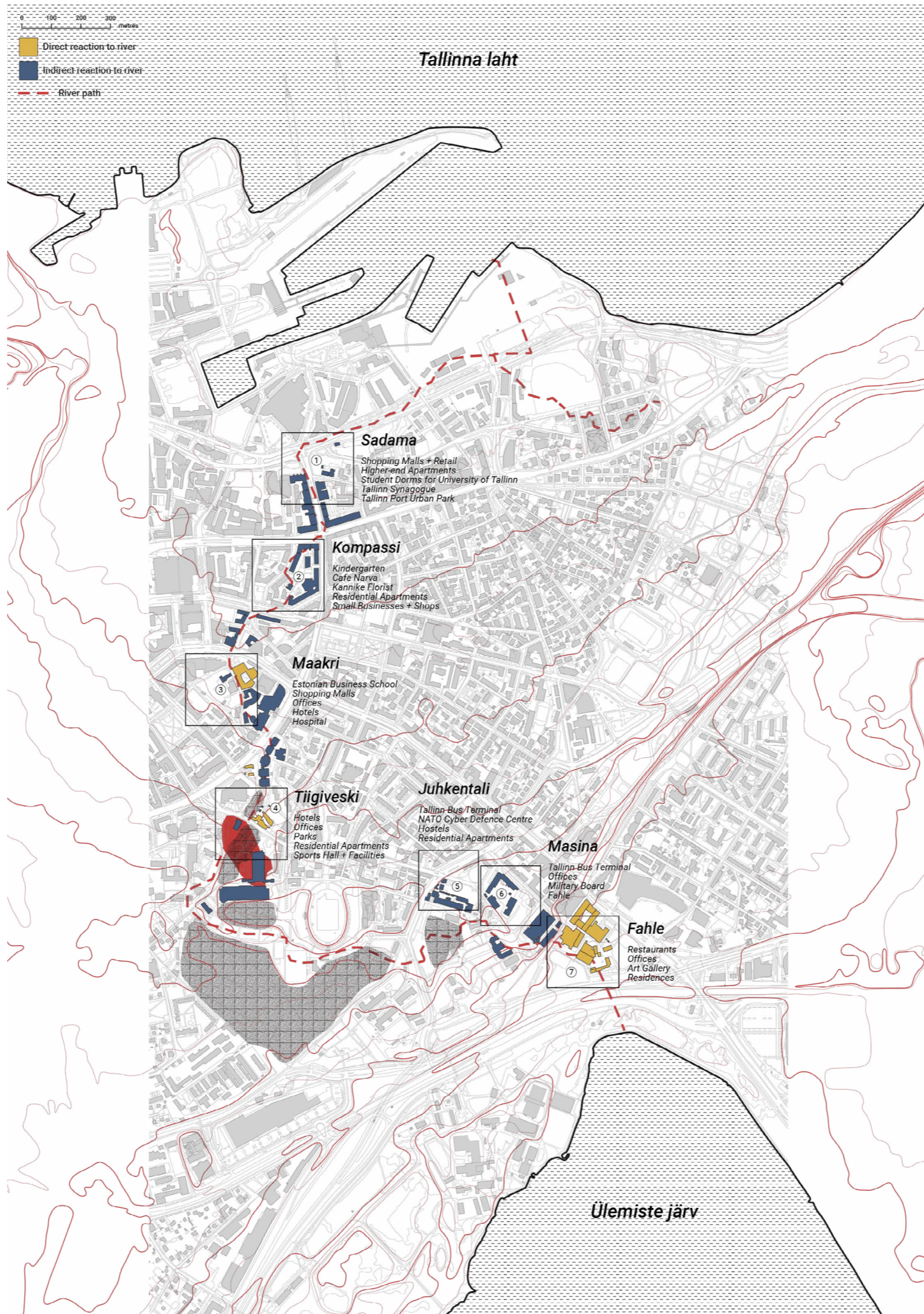


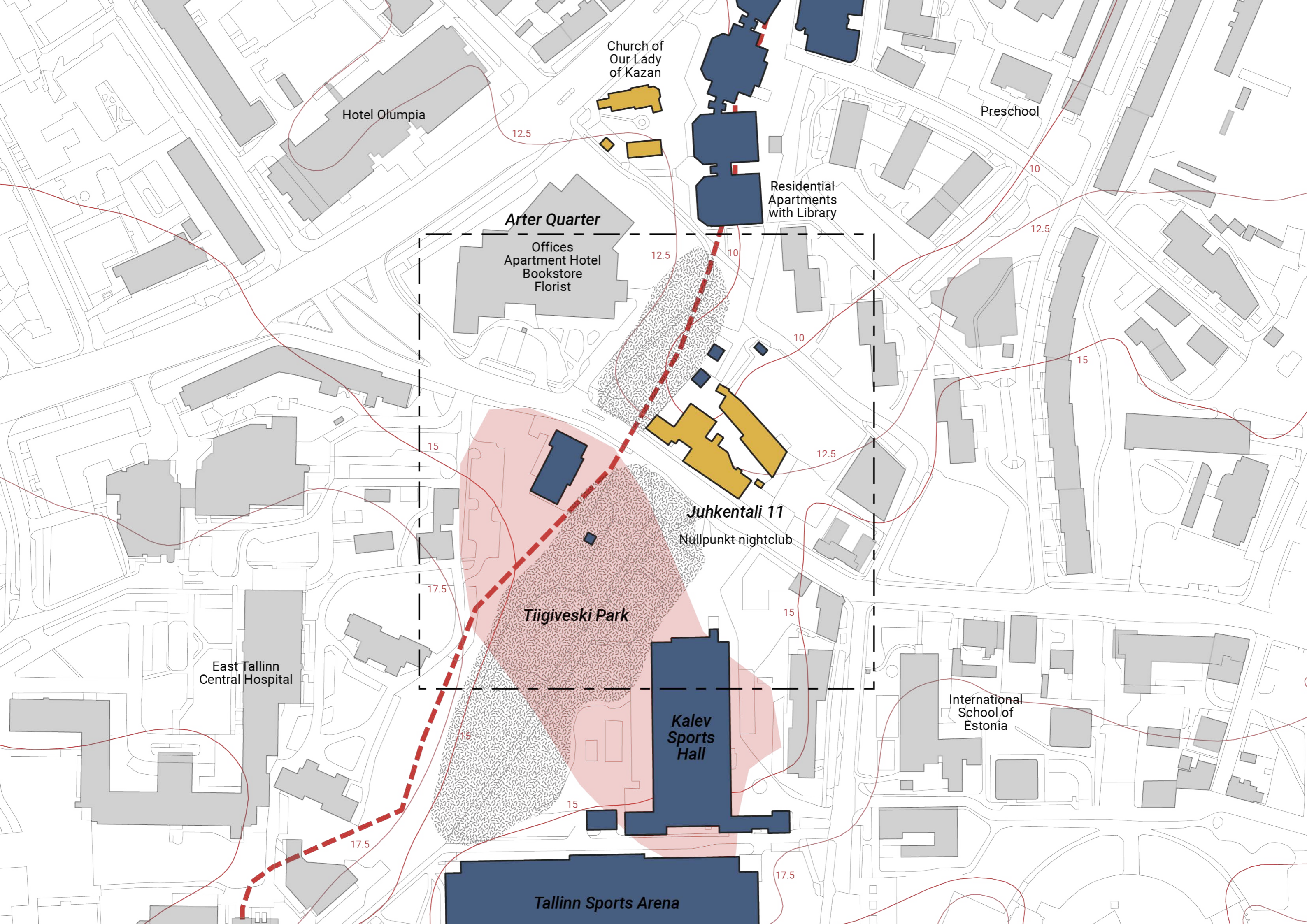
Ülemiste järv











Hotel Olympia

Church of Our Lady of Kazan

Preschool

Residential Apartments with Library

**Arter Quarter**

Offices  
Apartment Hotel  
Bookstore  
Florist

**Juhkentali 11**

Nullpunkt nightclub

**Tiigiveski Park**

**Kalev Sports Hall**

International School of Estonia

East Tallinn Central Hospital

**Tallinn Sports Arena**

12.5

10

12.5

12.5

10

10

15

15

12.5

17.5

15

15

15

17.5

17.5

# Tiigiveski Mill.













Tallinn is building in ignorance of the history of the former River Härjapea.

I

How can the Härjapea River be daylighted and reintegrated in the present-day urban context?

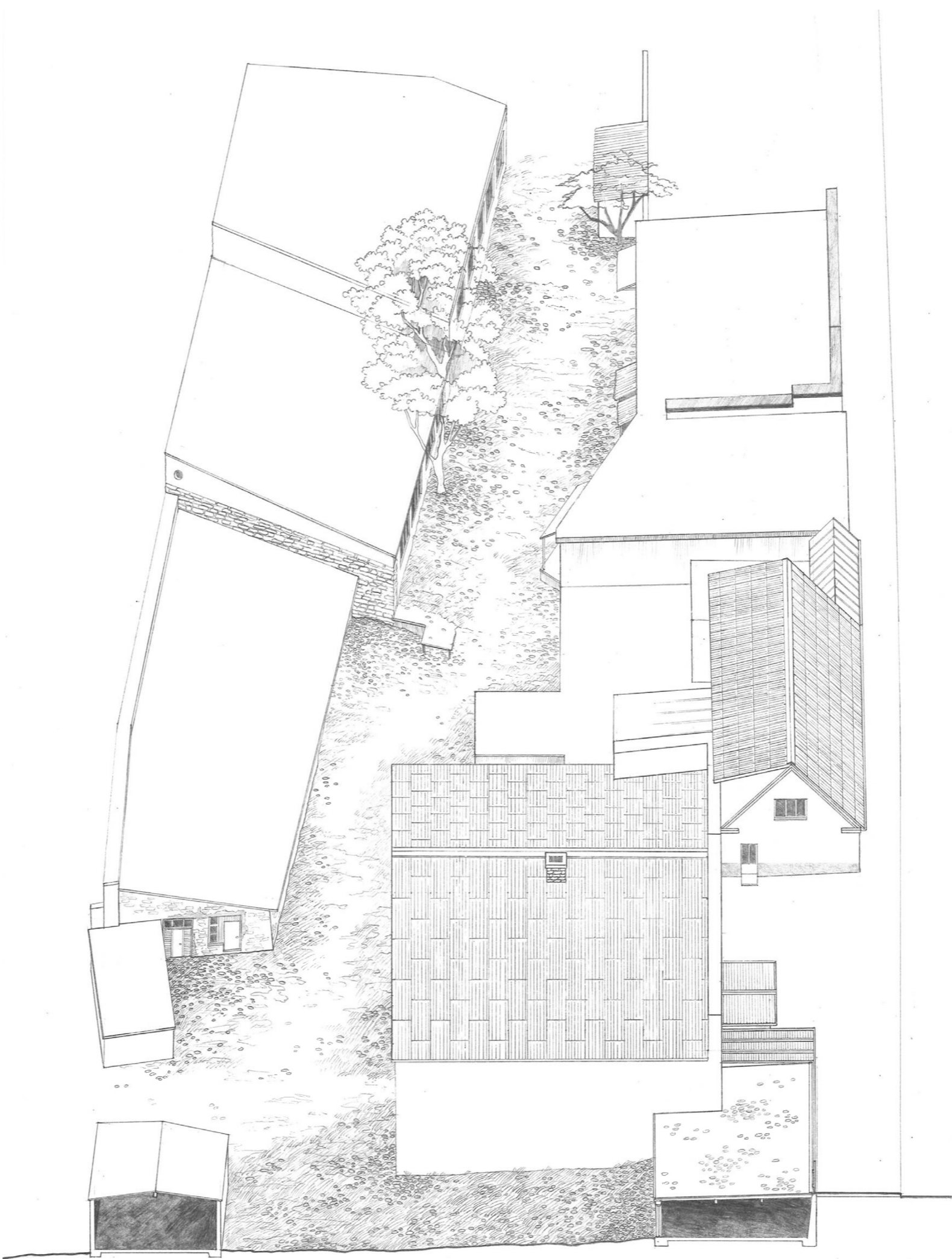
*or, on the question of the river*

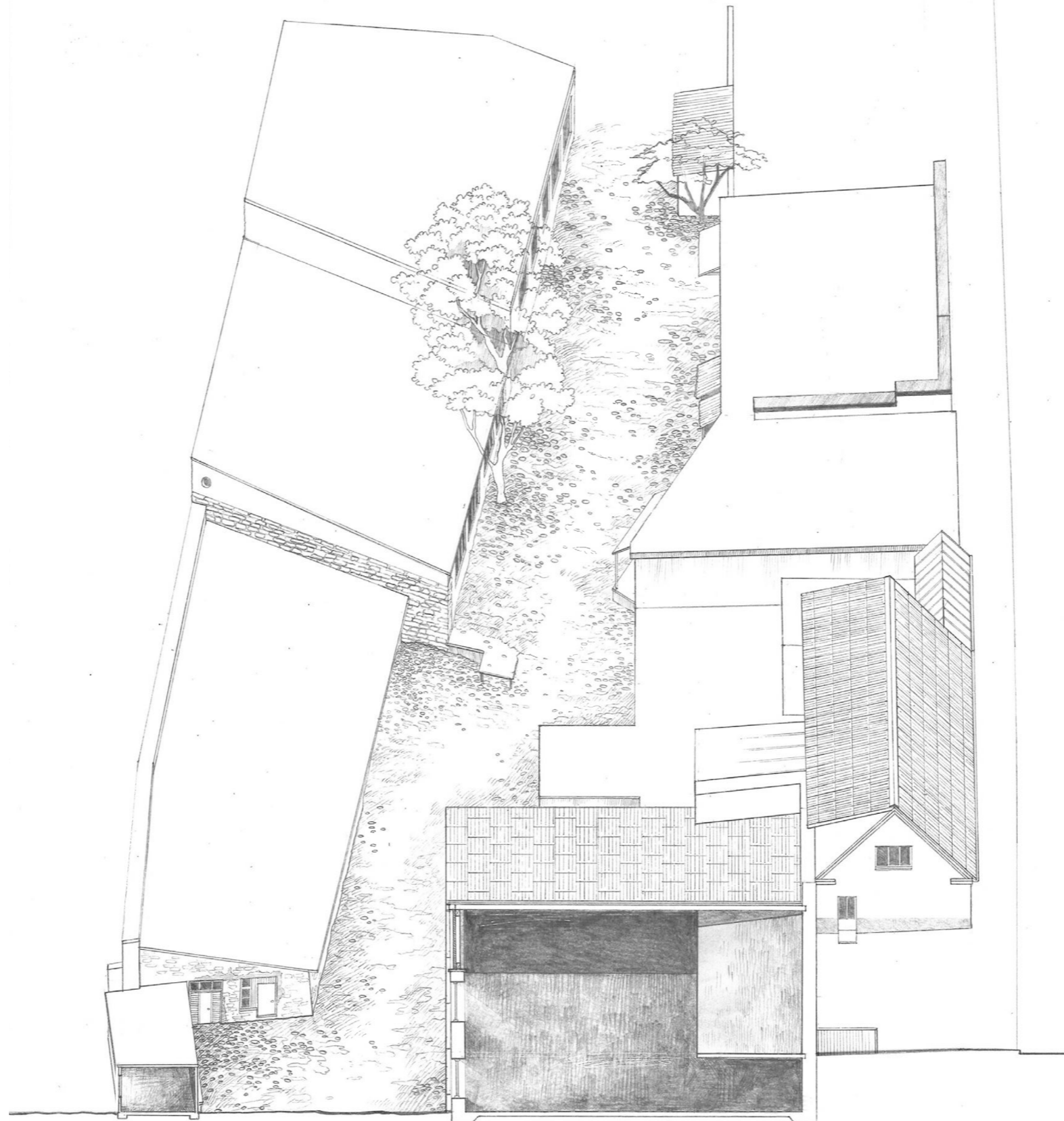
II

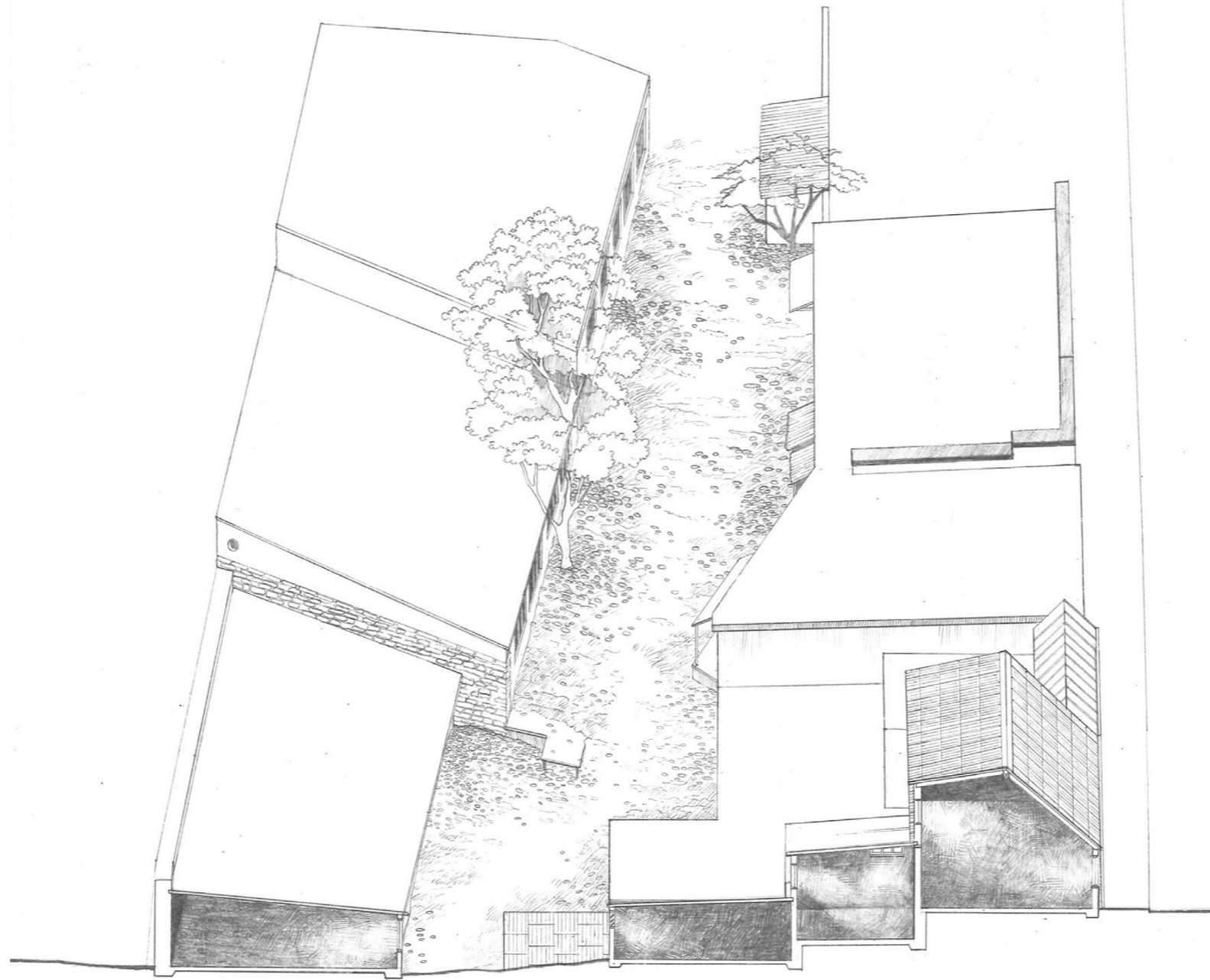
How can abandoned existing buildings of the river's industrial past be adapted and altered to engage with the present urban context?

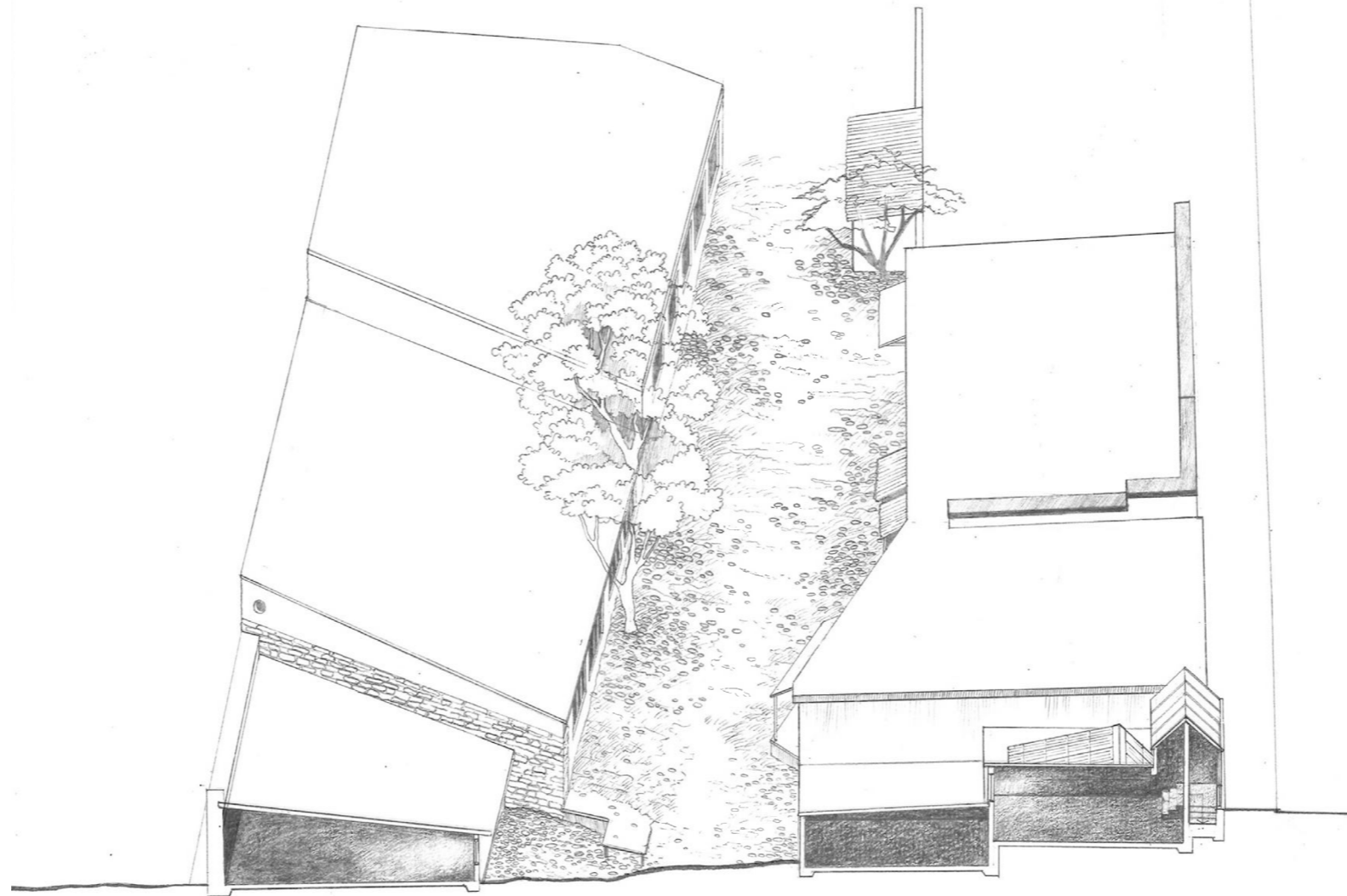
*or, on the question of the mill*

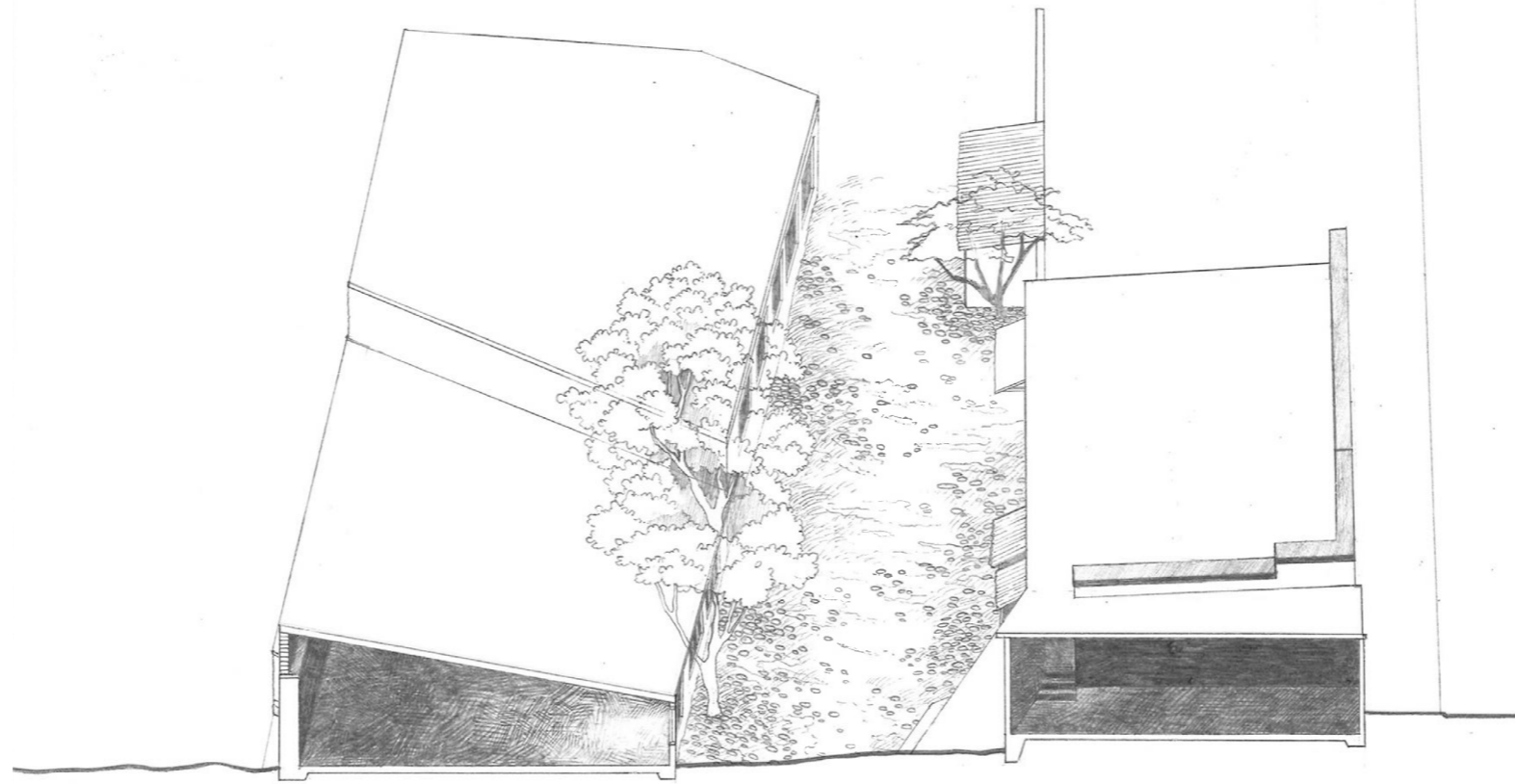
Tracing  
Tiigiveski Mill.

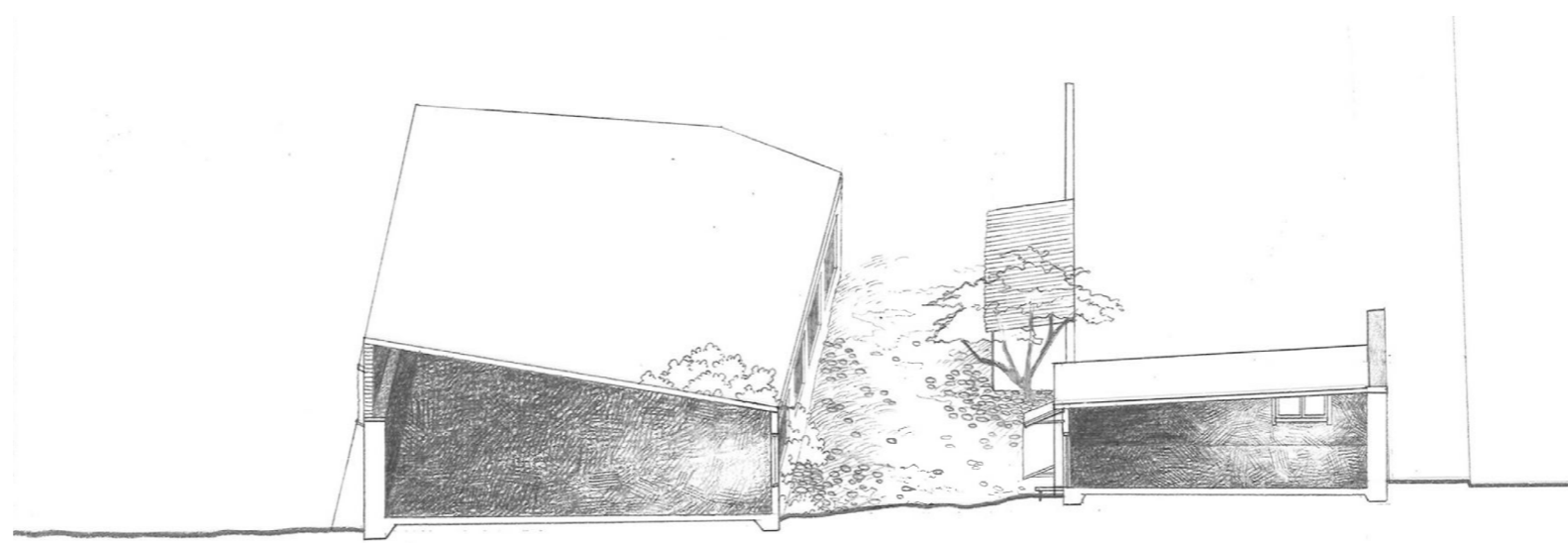


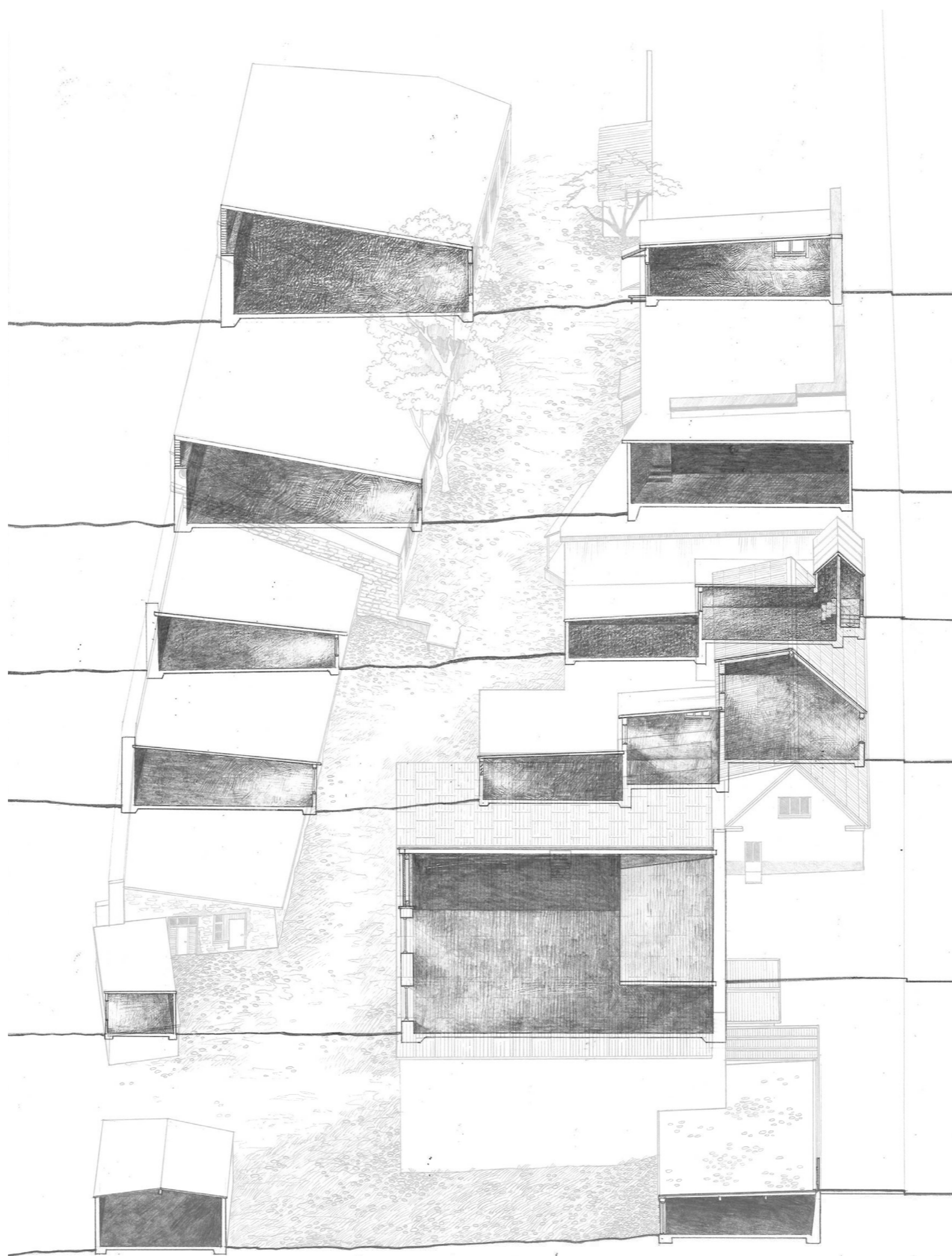




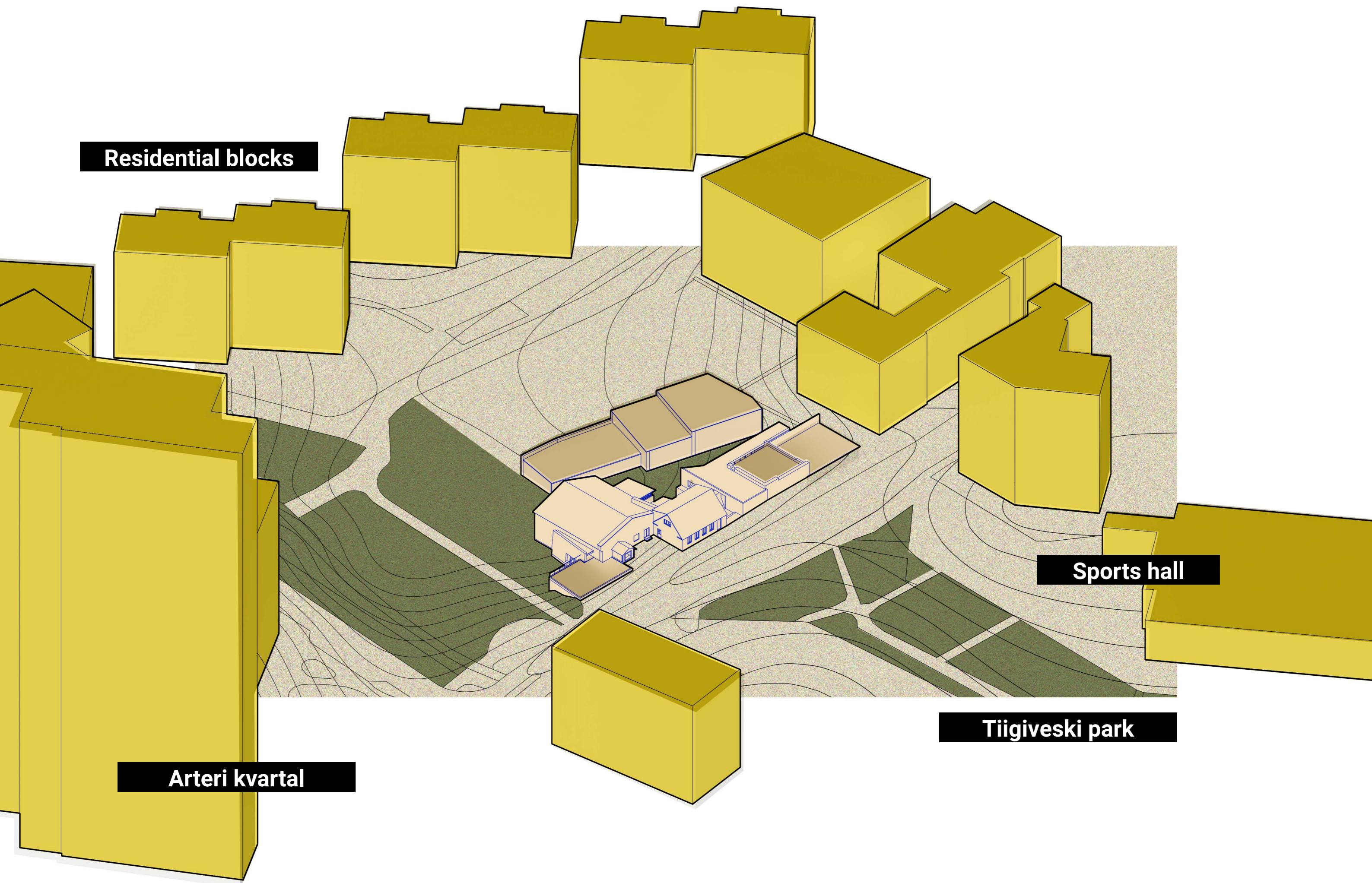








**Residential blocks**



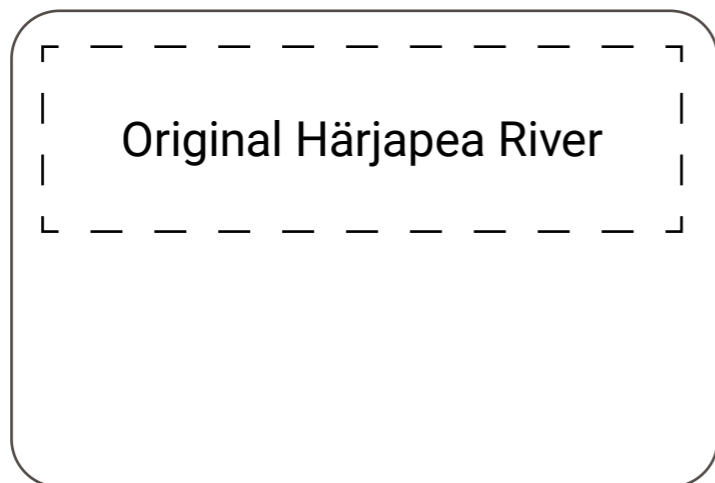
**Sports hall**

**Tiigiveski park**

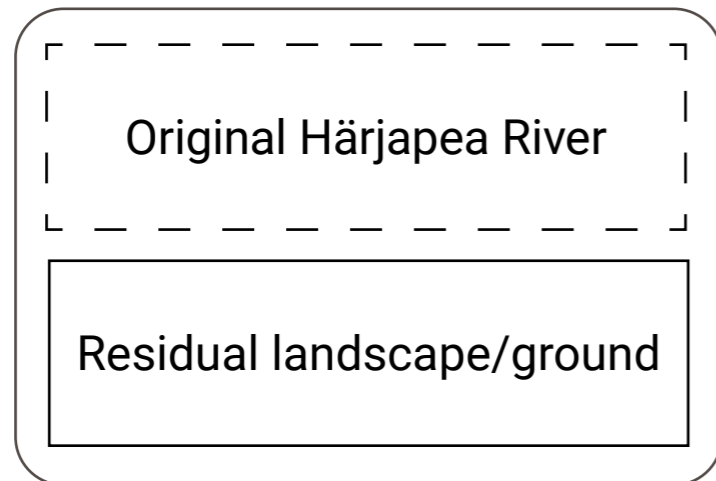
**Arteri kvartal**

The architecture in Tallinn  
is reactionary to its landscape.

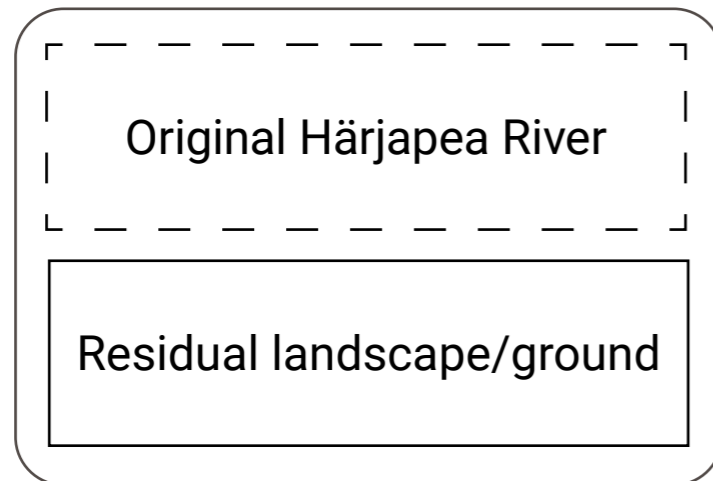
*on the question of the river*



*on the question of the river*



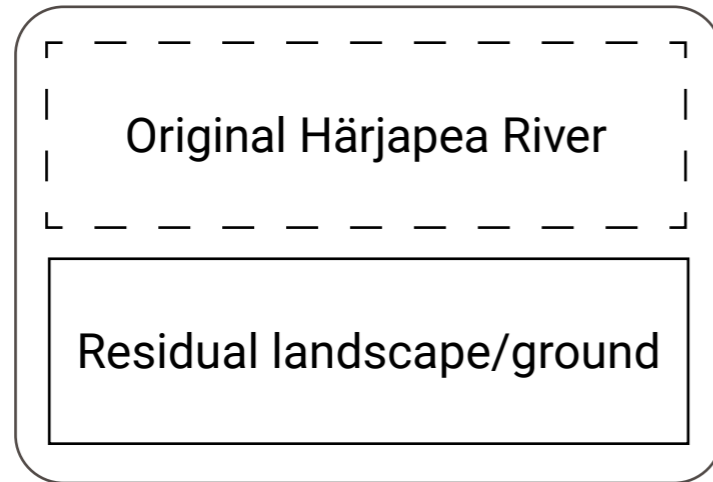
*on the question of the river*



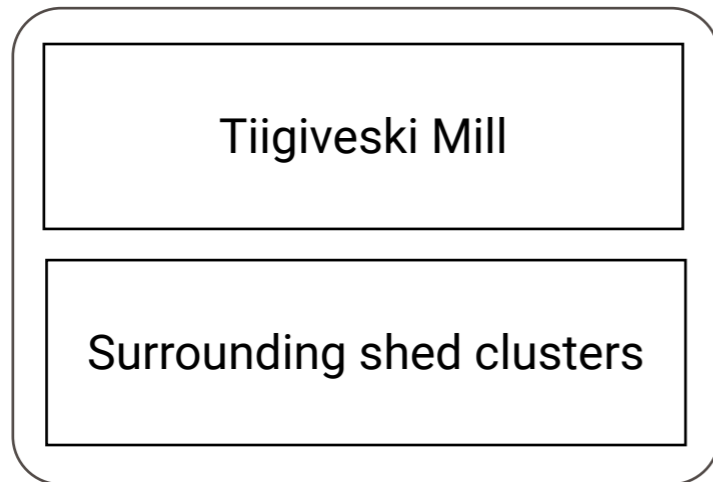
*on the question of the mill*



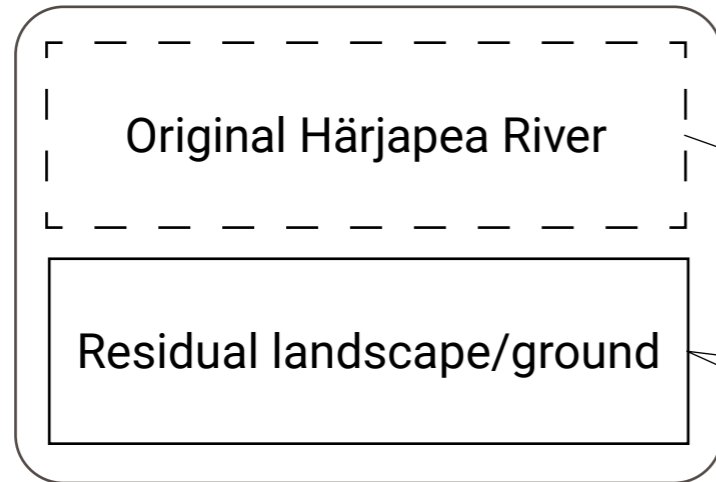
*on the question of the river*



*on the question of the mill*



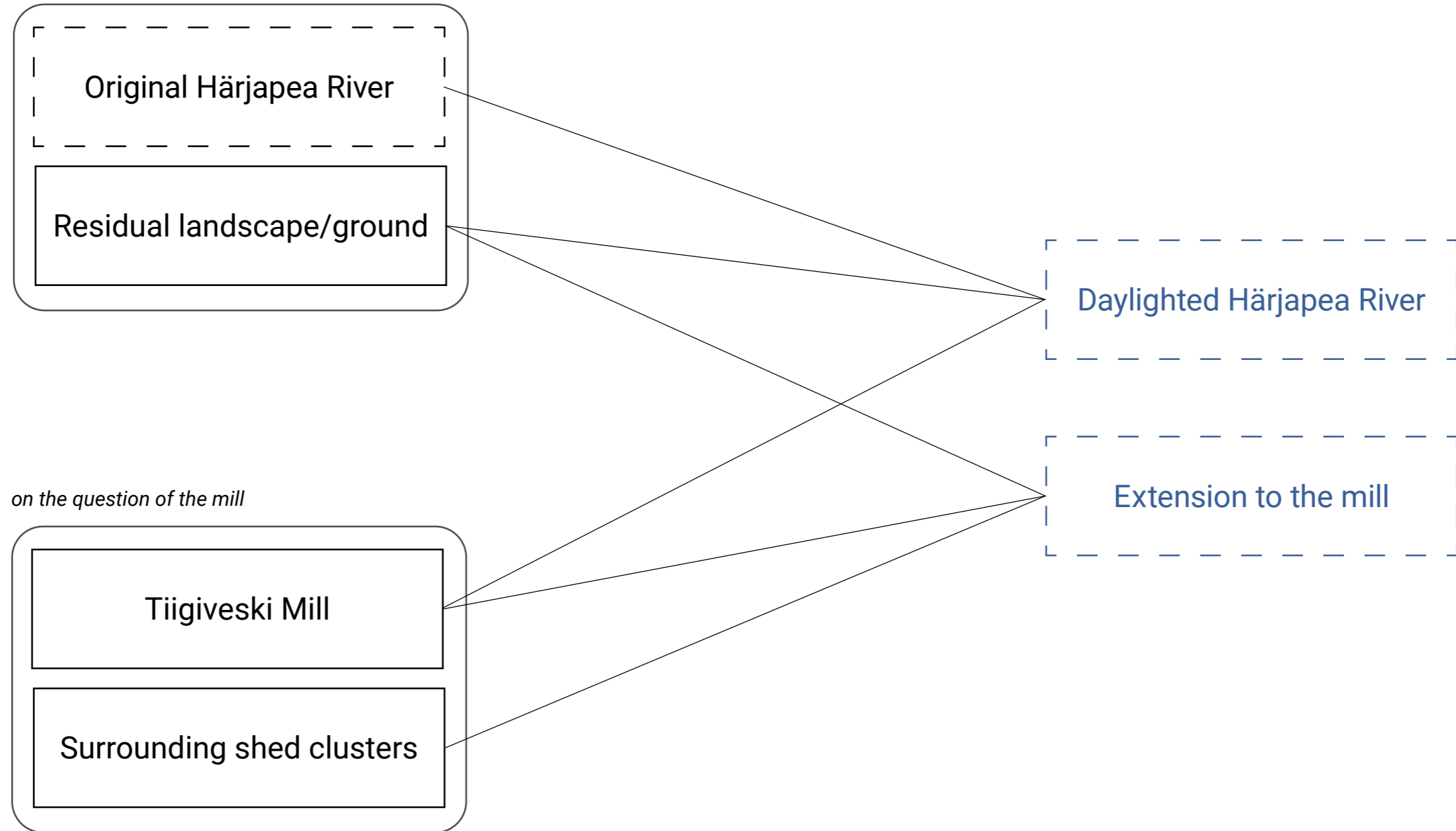
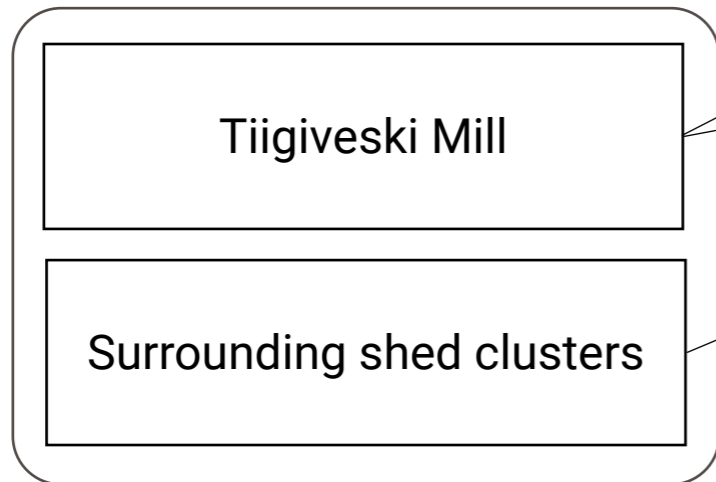
*on the question of the river*

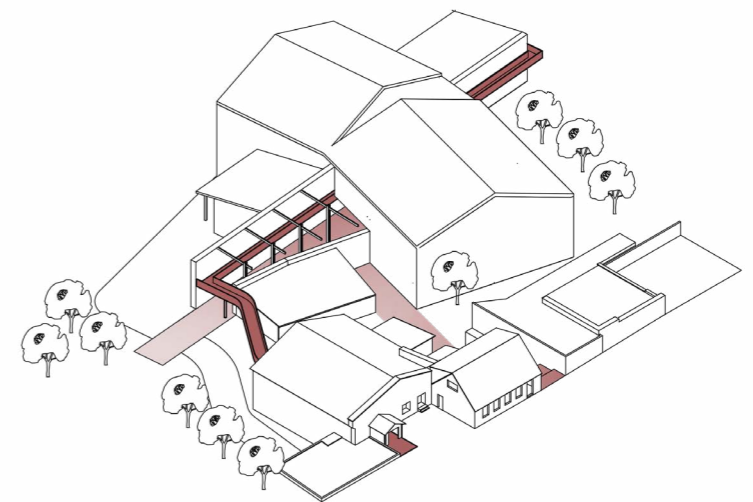
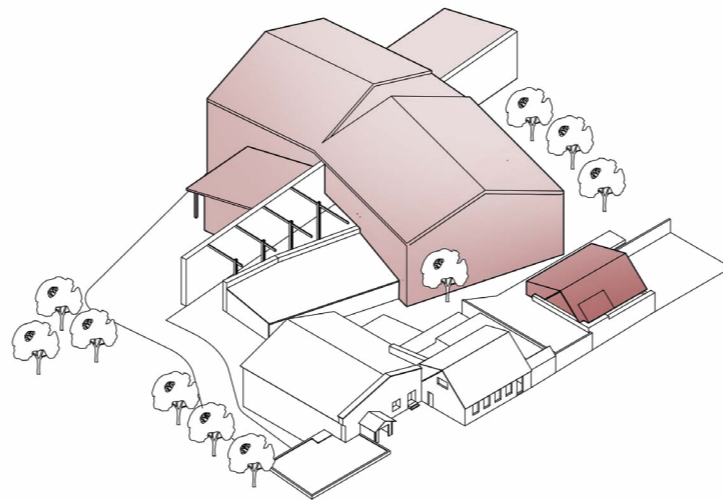
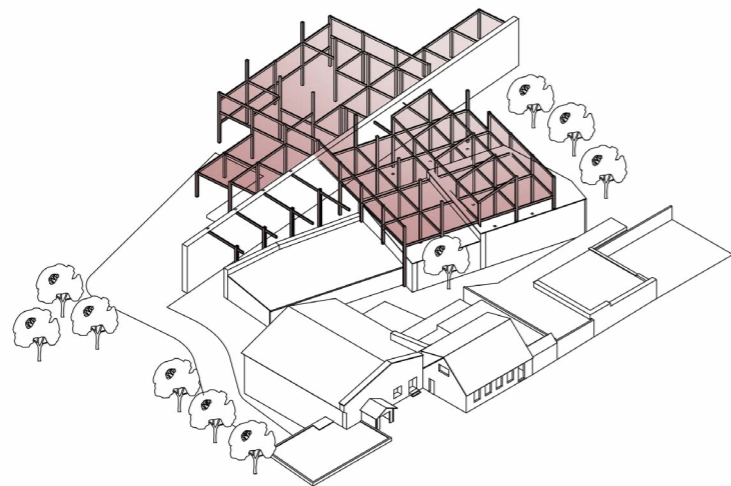
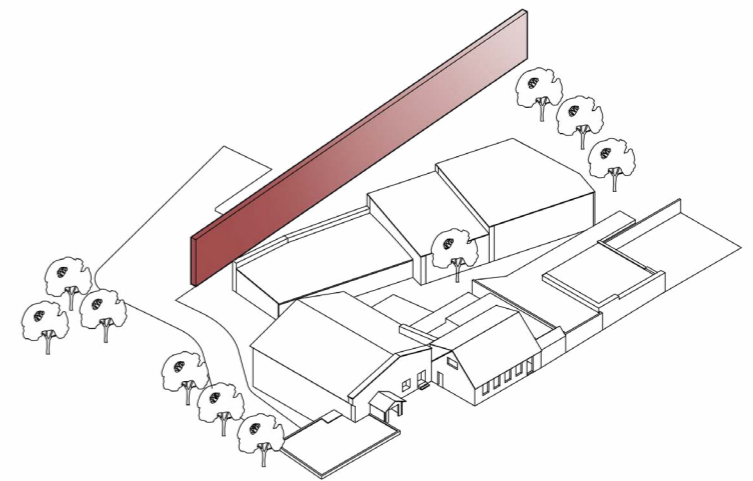
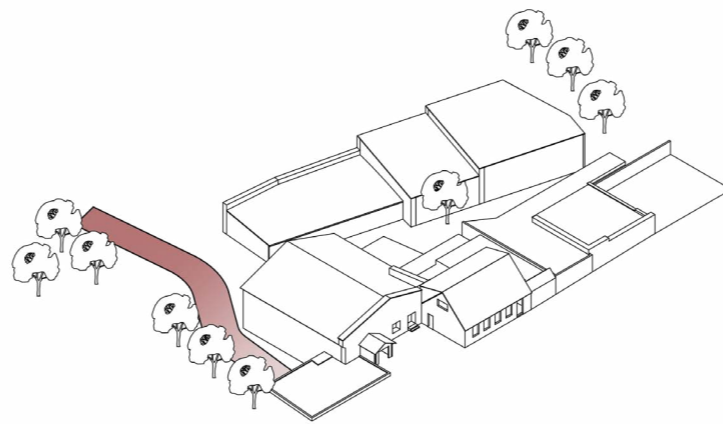
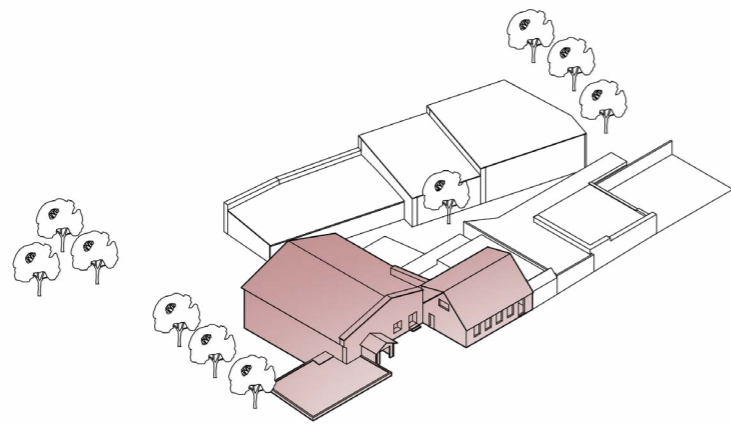


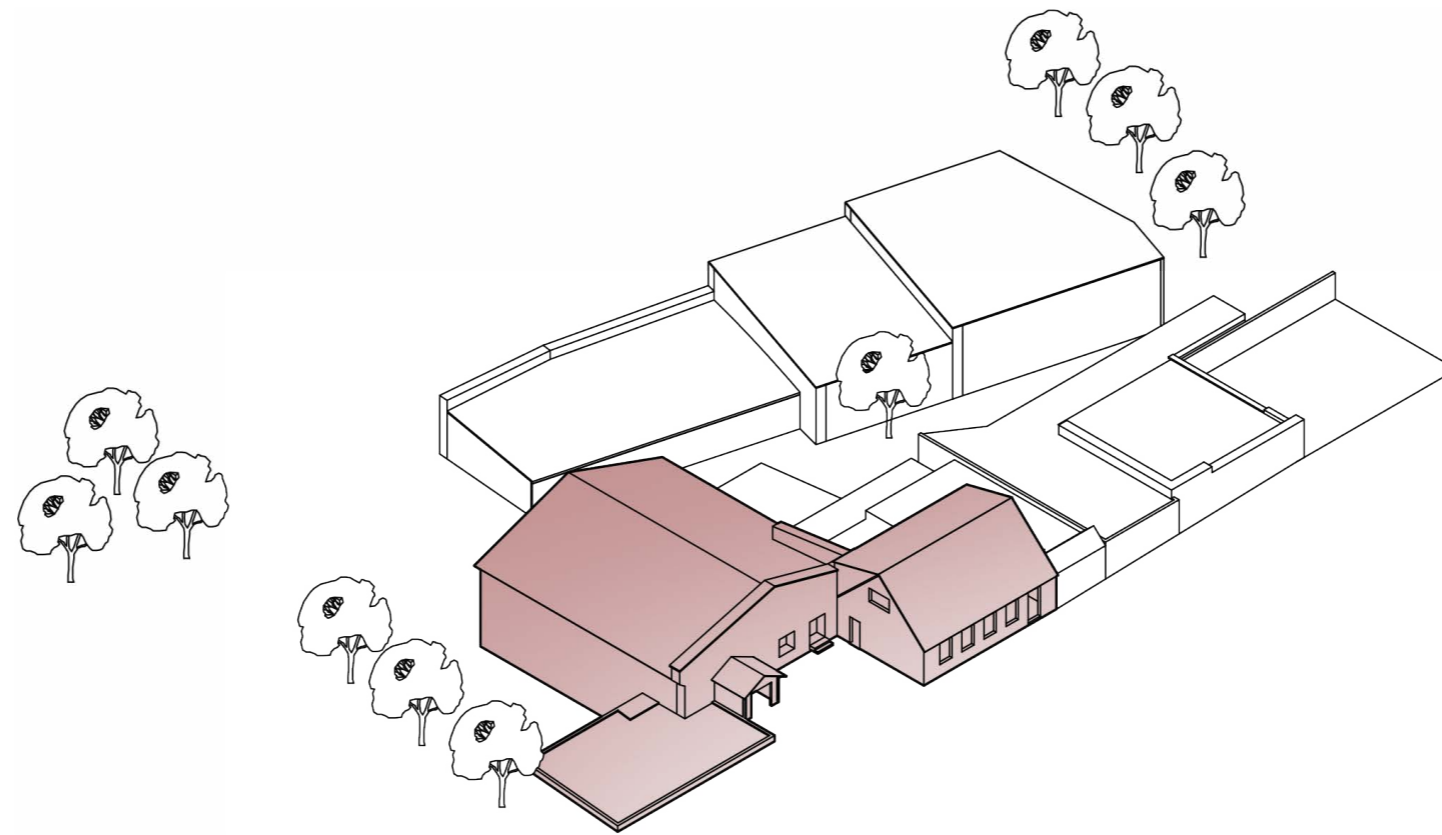
*design assignment*



*on the question of the mill*

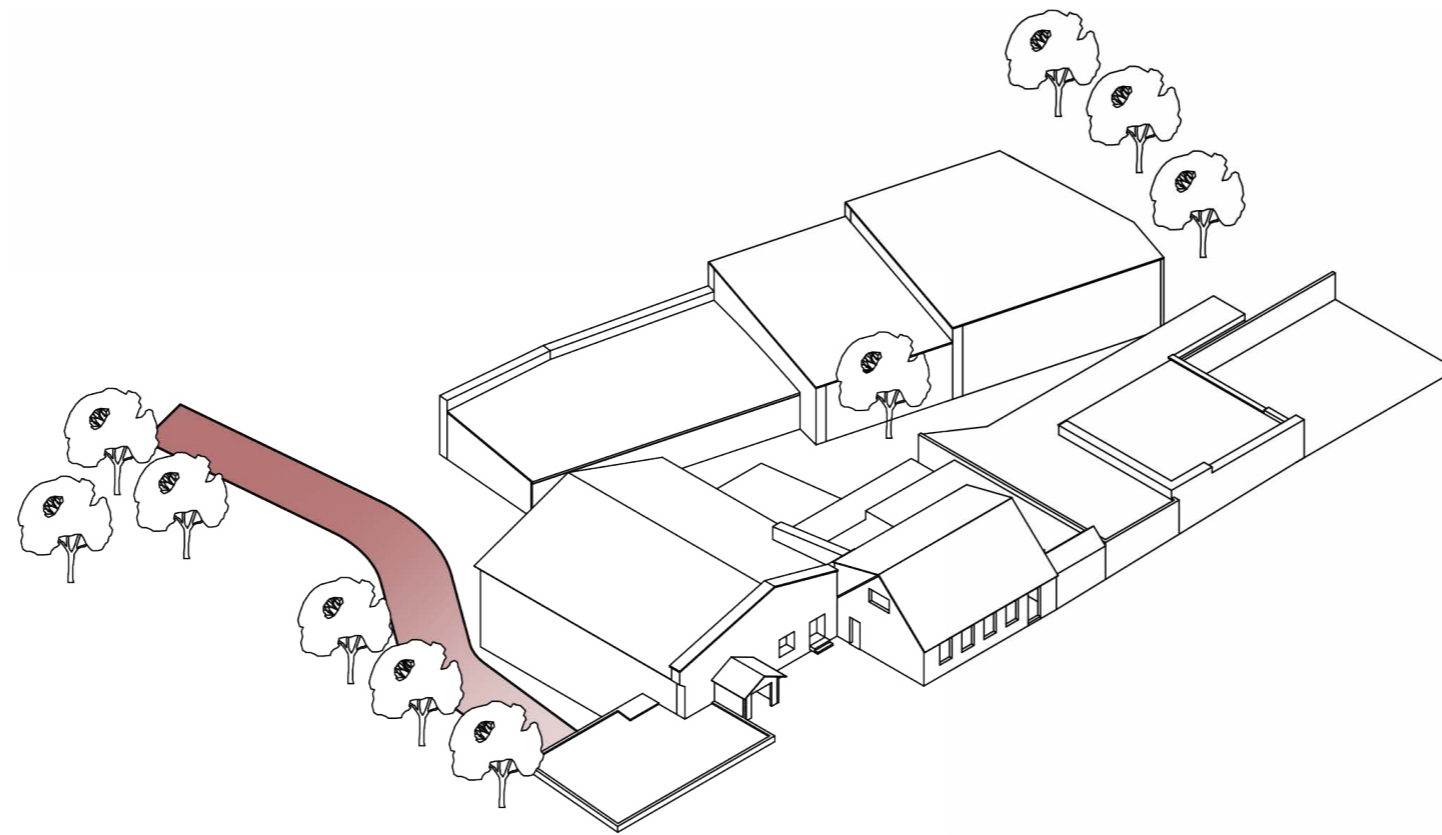






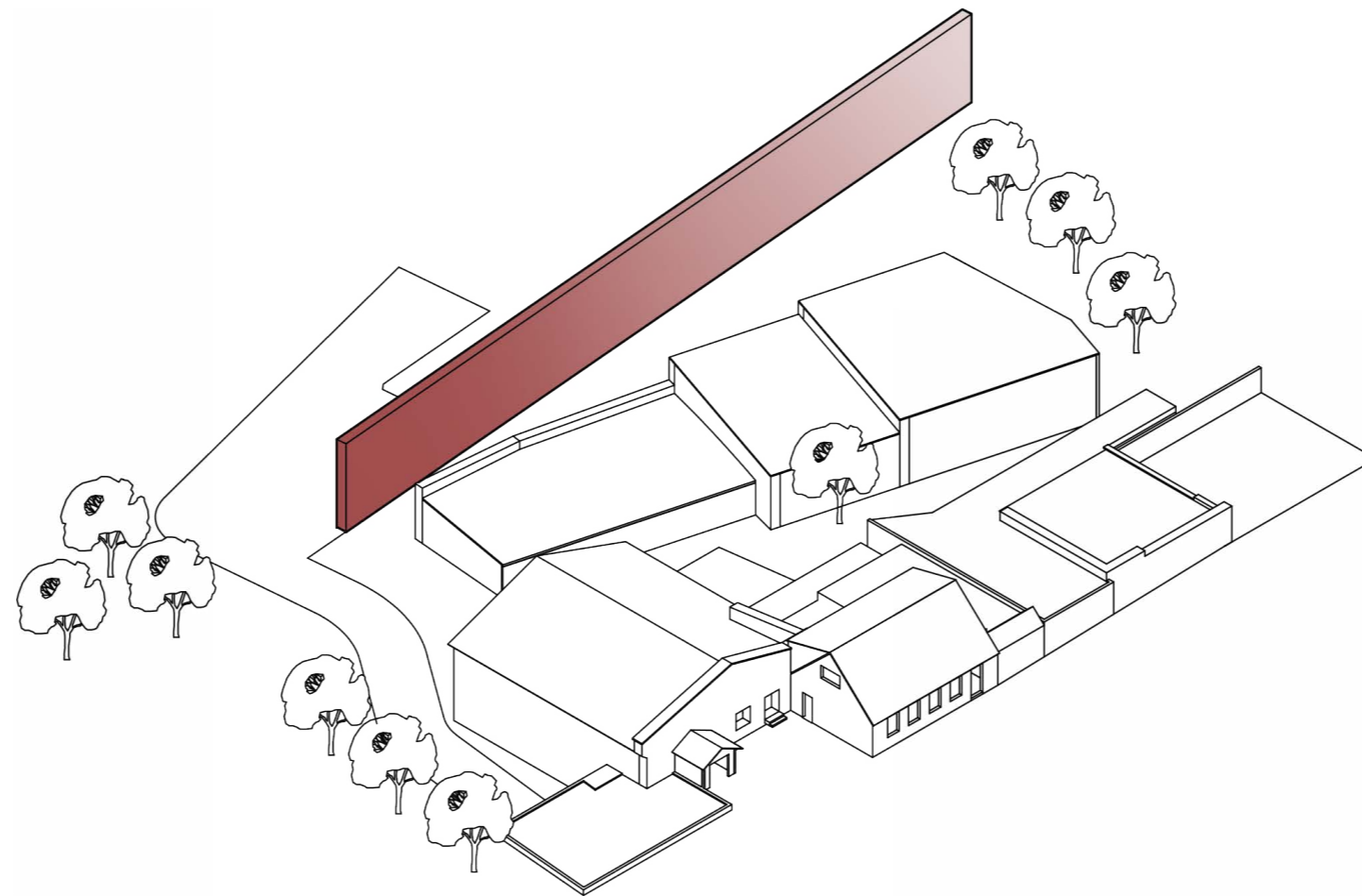
## 01 Existing Site

*Keeping the existing Tiigiveski paper mill  
and adjoining house.*



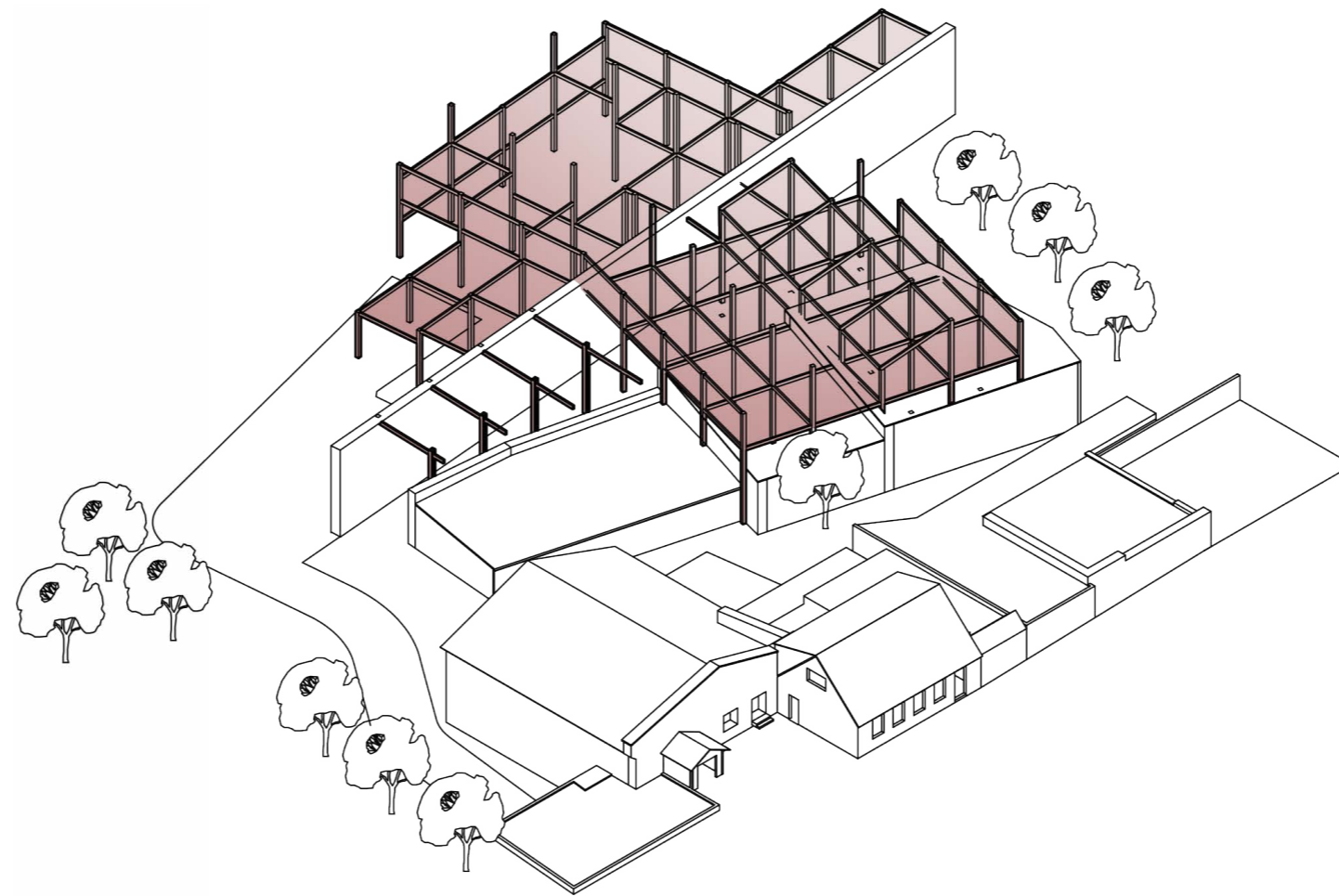
## 02 Bring Back the River!

*Daylighting River Härjapea.*



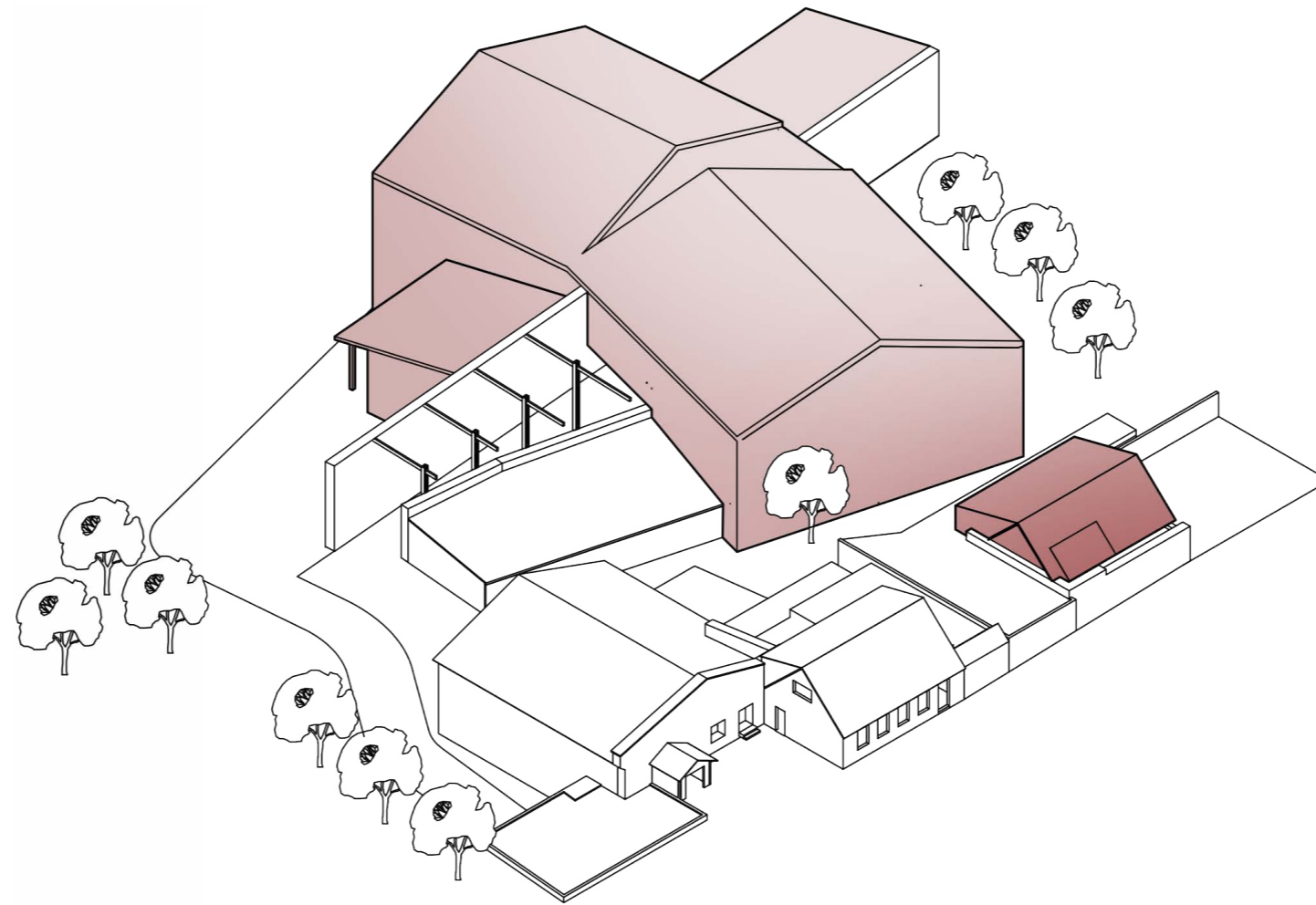
### 03 The Building Follows the River

*Establishing an axis perpendicular to the river.*



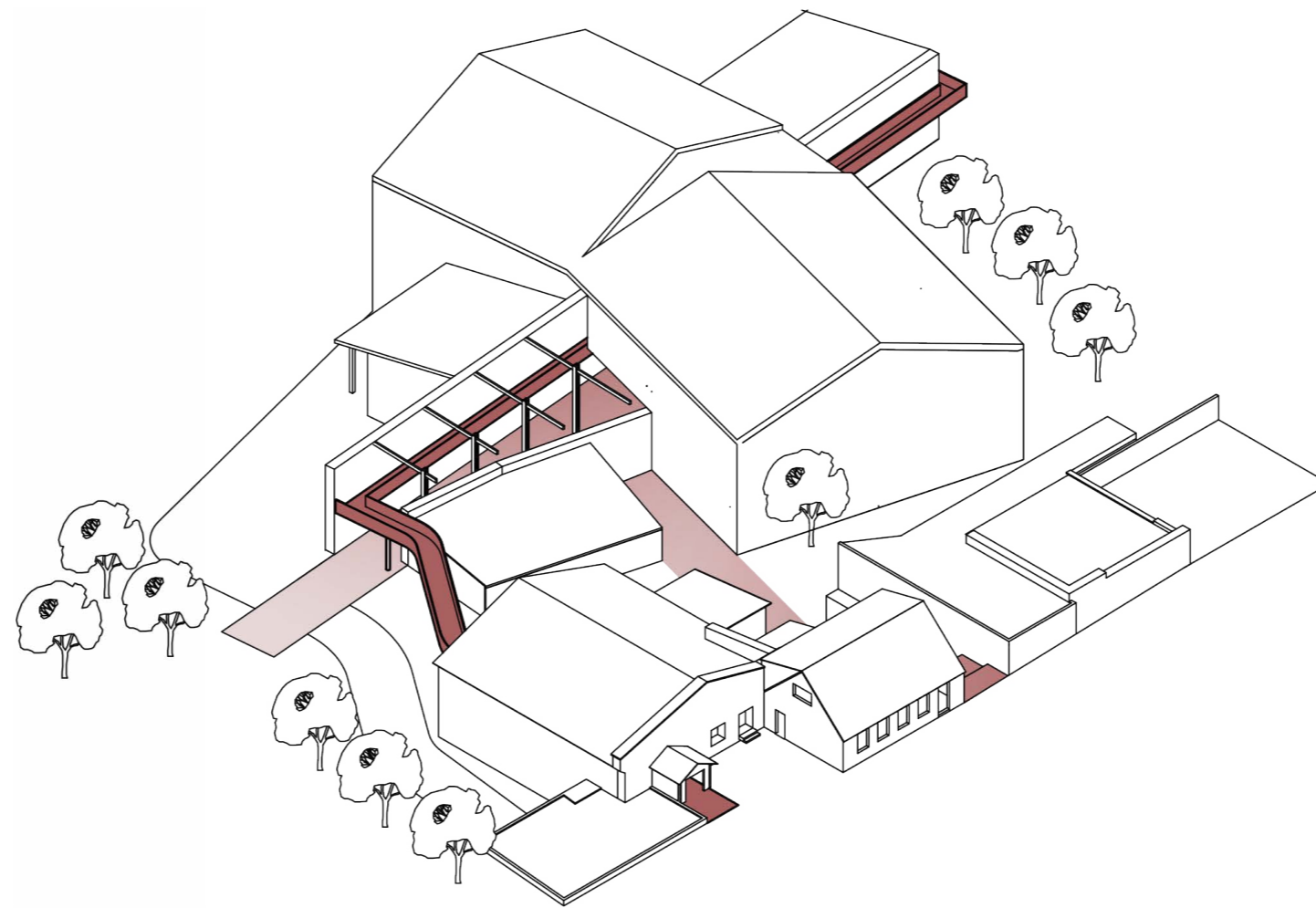
## 04 Straddling Existing Walls

*Structural glulam grid derived from existing walls.*



## 05 Mirroring

*Mirroring the mill and house as a reactive design strategy.*



## 06 Paths

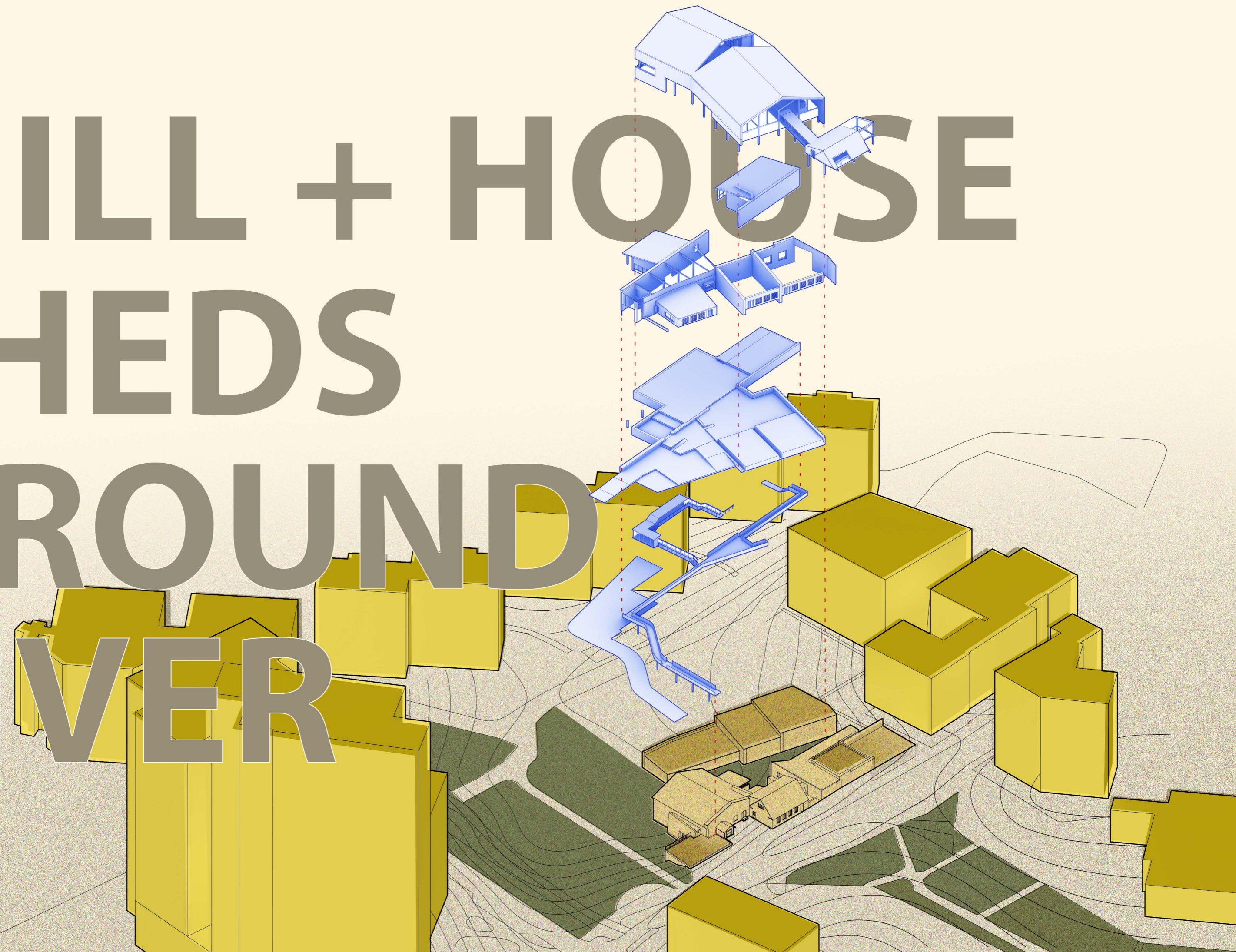
*Bringing people from street and park into the building.*

MILL + HOUSE

SHEDS

GROUND

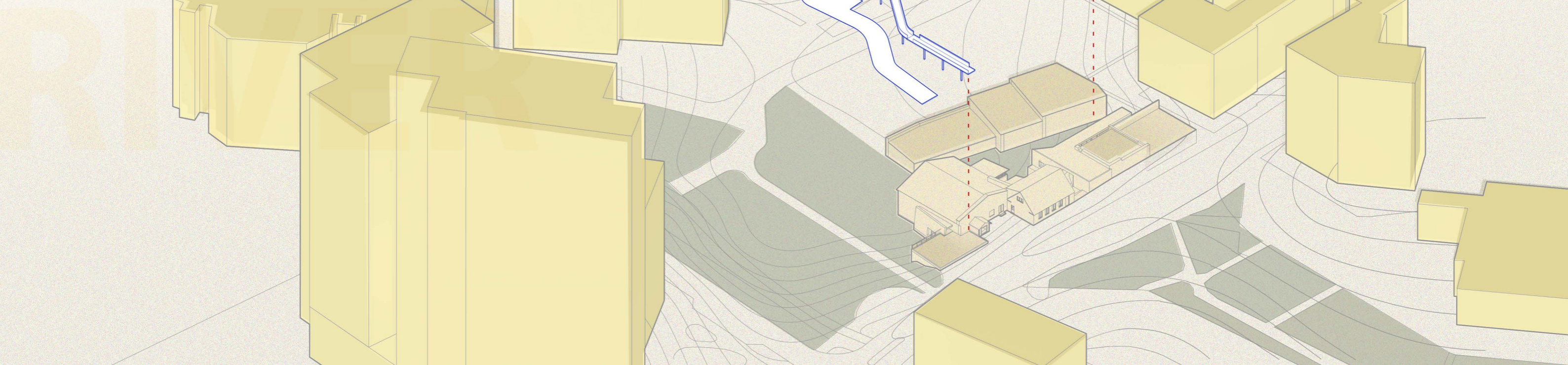
RIVER

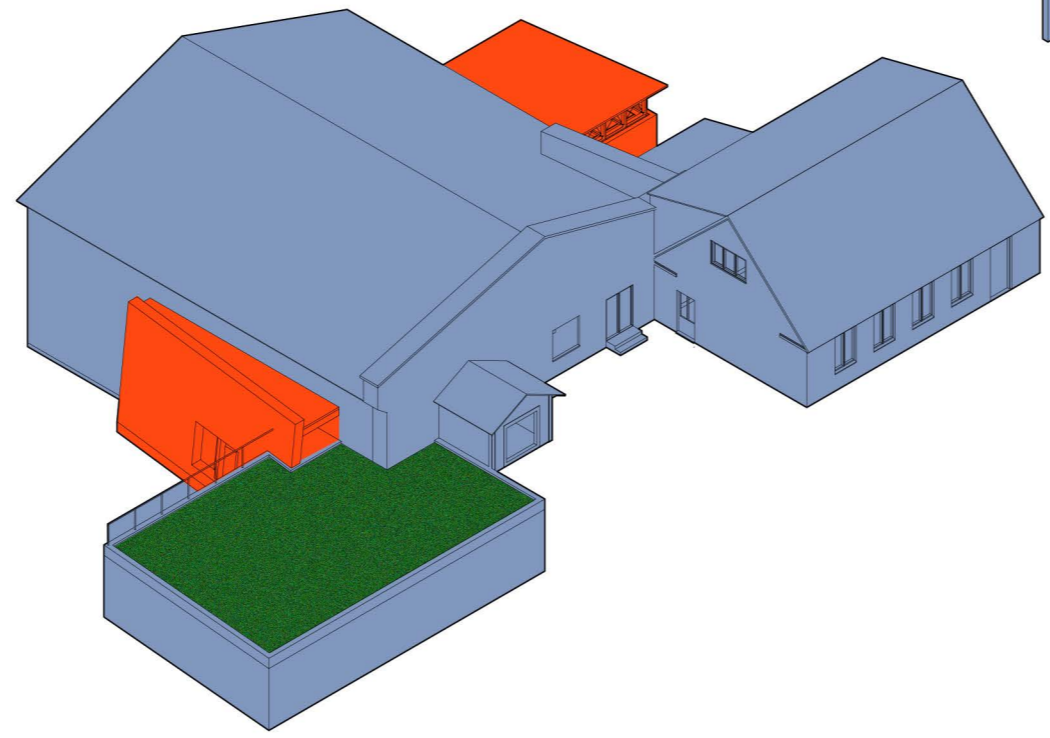
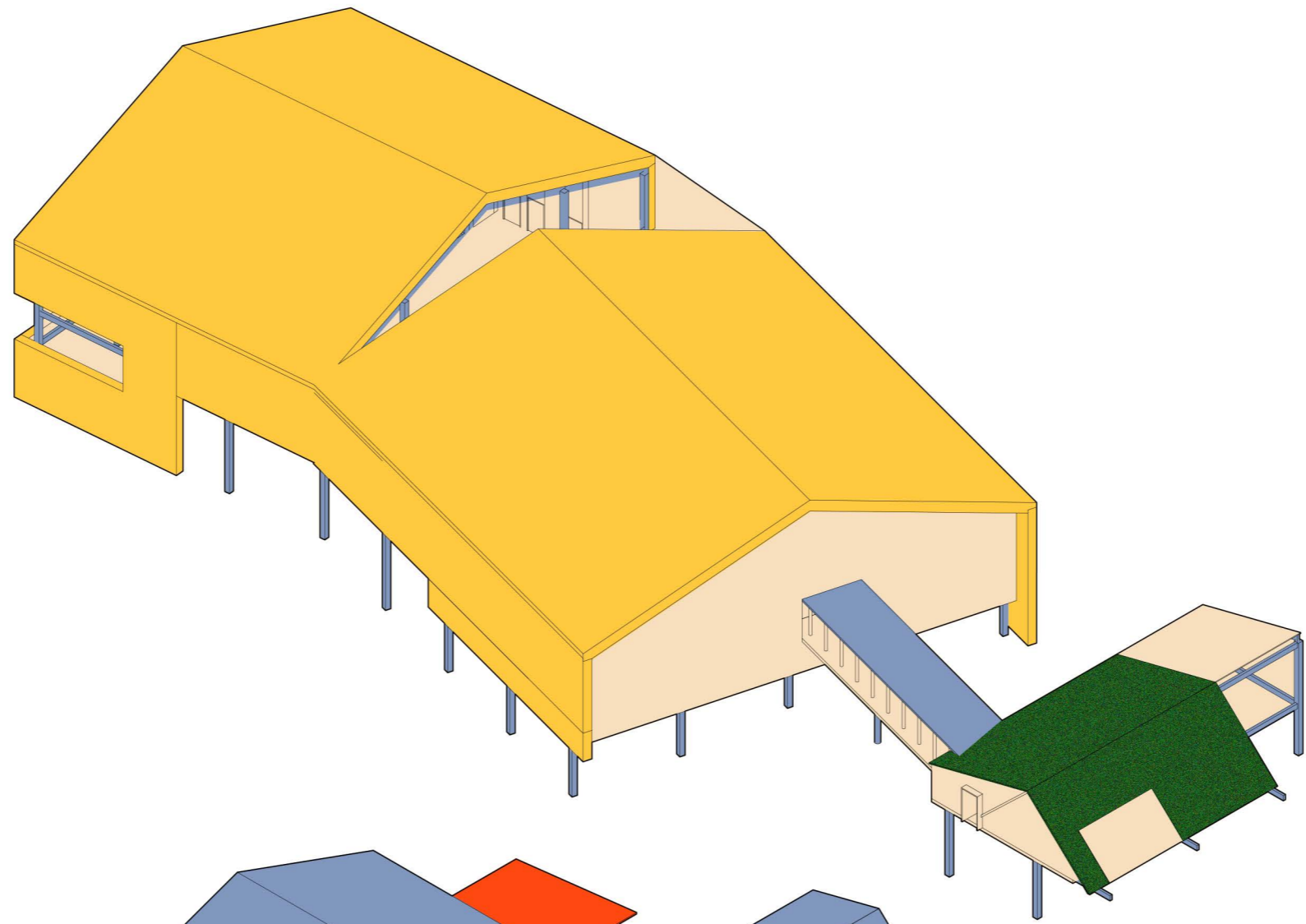


# MILL + HOUSE

SHEDS

GROUNDS





**mirror**

“The mirroring of architecture ‘as found’ is not a passive process that lacks creativity, but an active reflection on context and history in which positions are adopted in relation to the past.”

*L'architecture Et Son Double by De Caigny, S. (2023).*

*Excerpt taken from As Found: Experiments in Preservation,  
by De Caigny, S., Ertas, H. & Plevoets, B. (Eds.). (2023).*

# Estonia ships majority of recyclable paper waste to other countries

NEWS

Lennart Joosep Lumi  
30.06.2025 08:58



Waste paper. Source: Prit Mürk/ERR

## I

Paper waste to be repurposed  
in crafts

Paper collection and sorting space  
Paper-making and crafting workshop  
Creative studios  
Ateliers for rent  
Collective events space  
(eg. for makers markets)

## II

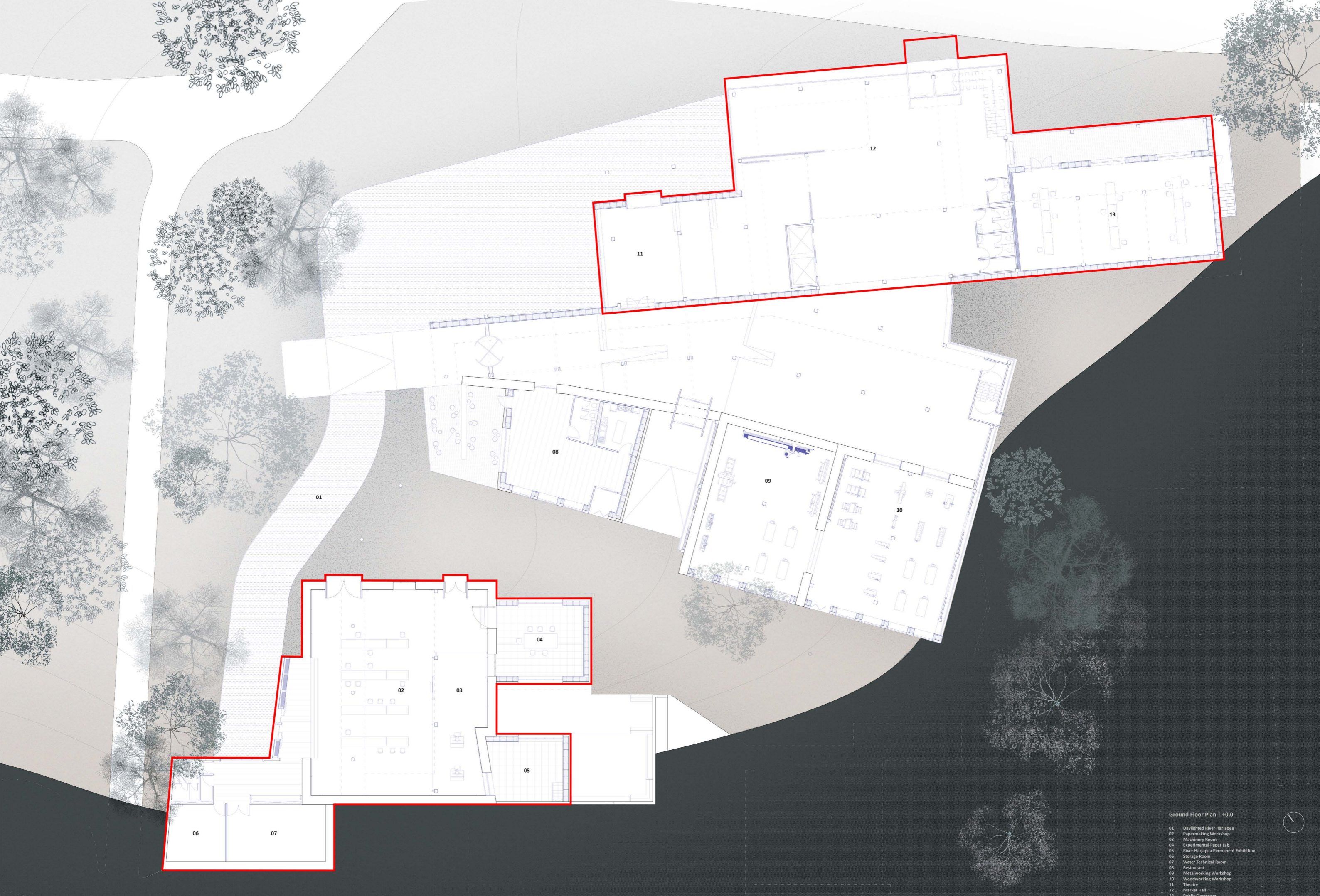
Paper waste to be repurposed  
in construction

Woodworking workshop  
Metalworking workshop  
Paper-construction fabrication  
workshop  
Classrooms  
Storage

## III

Paper waste to be repurposed  
in gardens

Community garden  
Storage

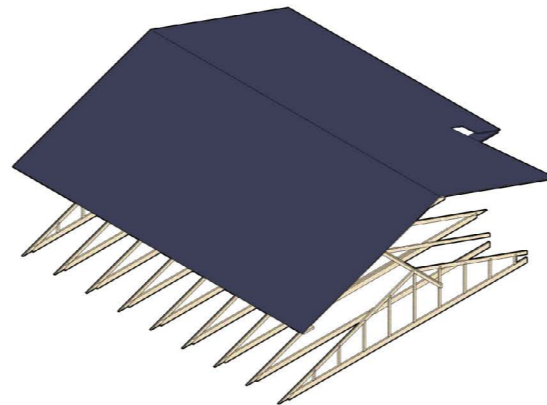


Ground Floor Plan | +0,0

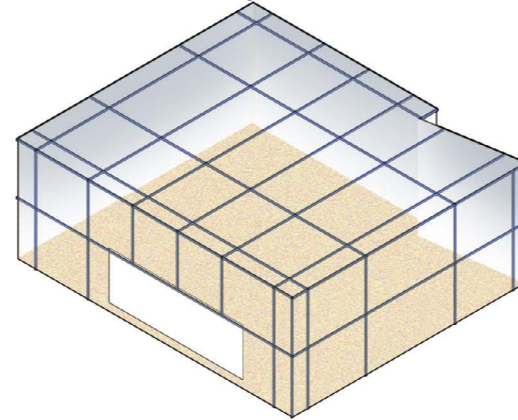
- 01 Daylighted River Härjapea
- 02 Papermaking Workshop
- 03 Machinery Room
- 04 Experimental Paper Lab
- 05 River Härjapea Permanent Exhibition
- 06 Storage Room
- 07 Water Technical Room
- 08 Restaurant
- 09 Metalworking Workshop
- 10 Woodworking Workshop
- 11 Theatre
- 12 Market Hall
- 13 Public Classroom



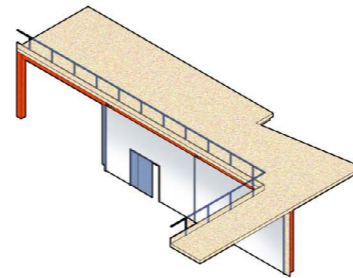
*existing roof*



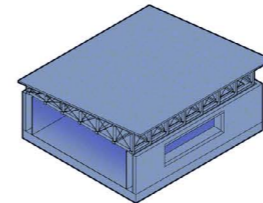
**double-glazed glass shell**  
*performs as insulation*



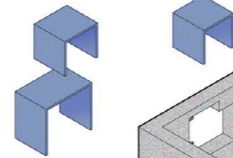
**mezzanine floor**  
*spectating paperworks*



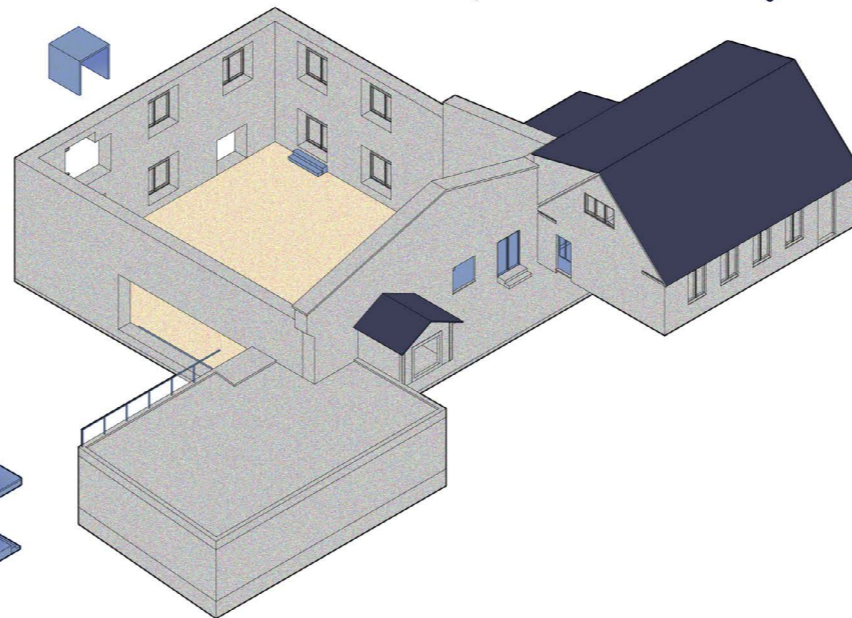
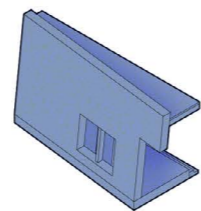
**experimental paper lab**  
*acts as a meeting room*



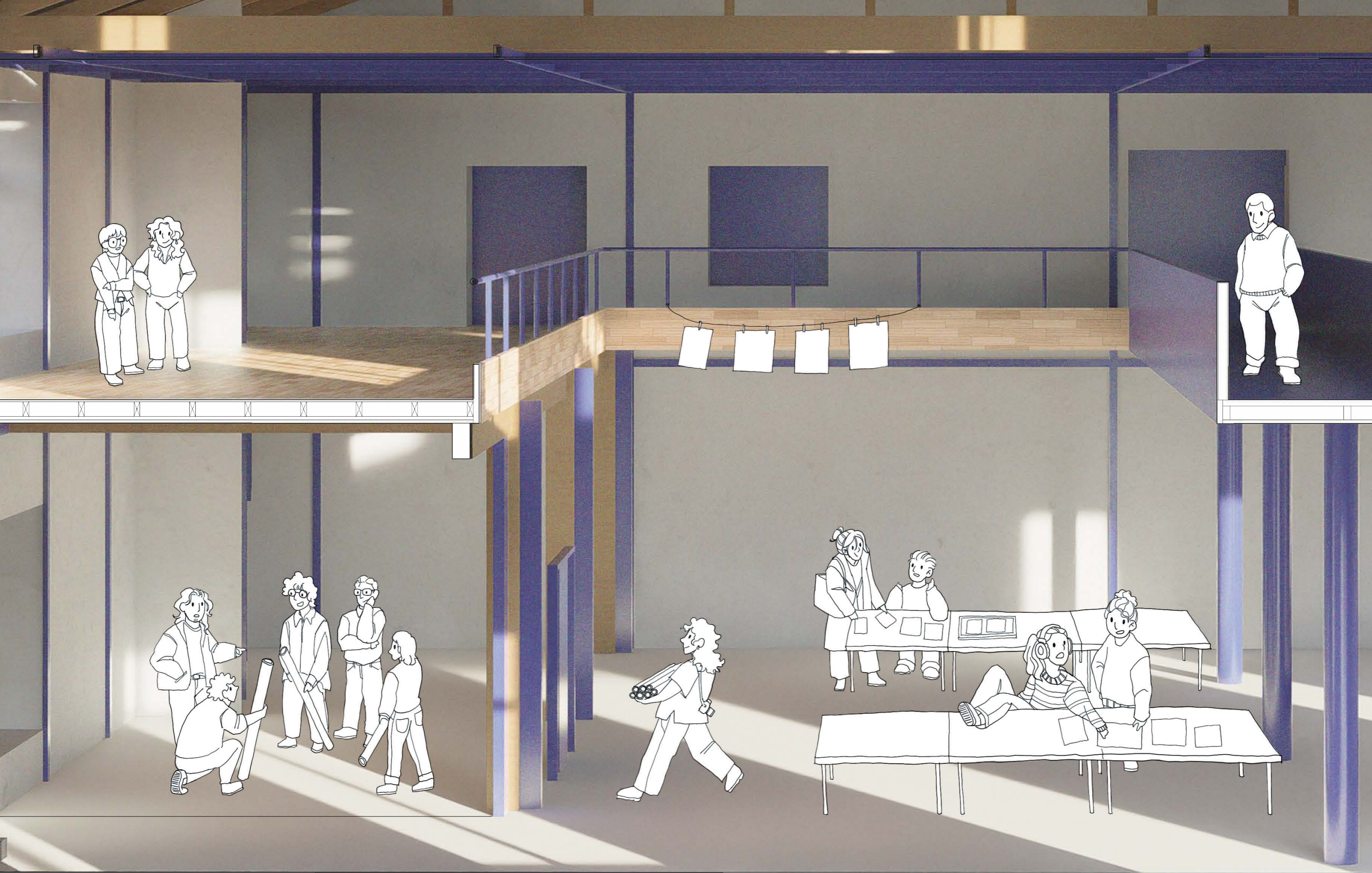
*airlock compartmentalisation*  
*of operable fenestrations*

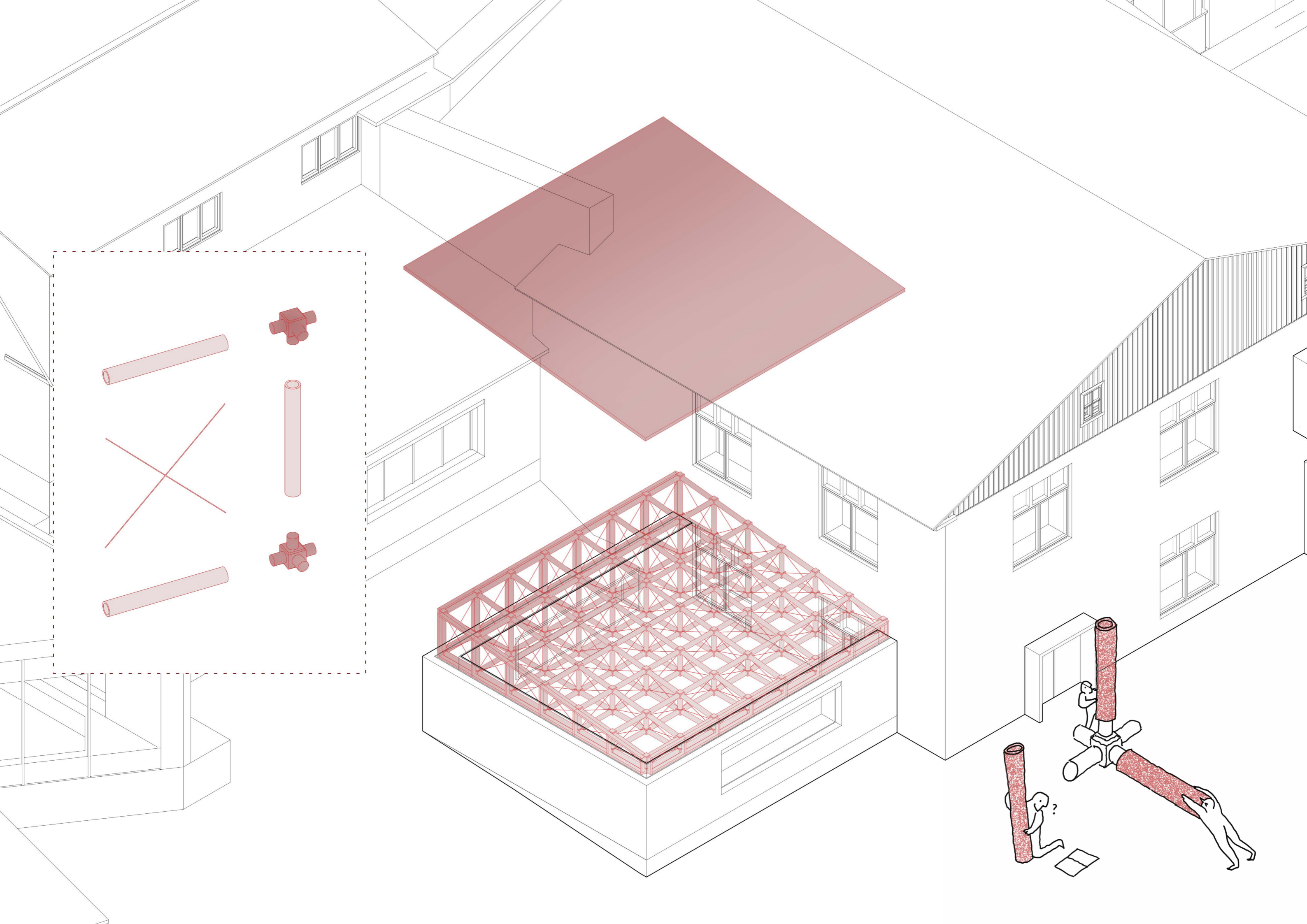


**extension to the river**  
*water collection*

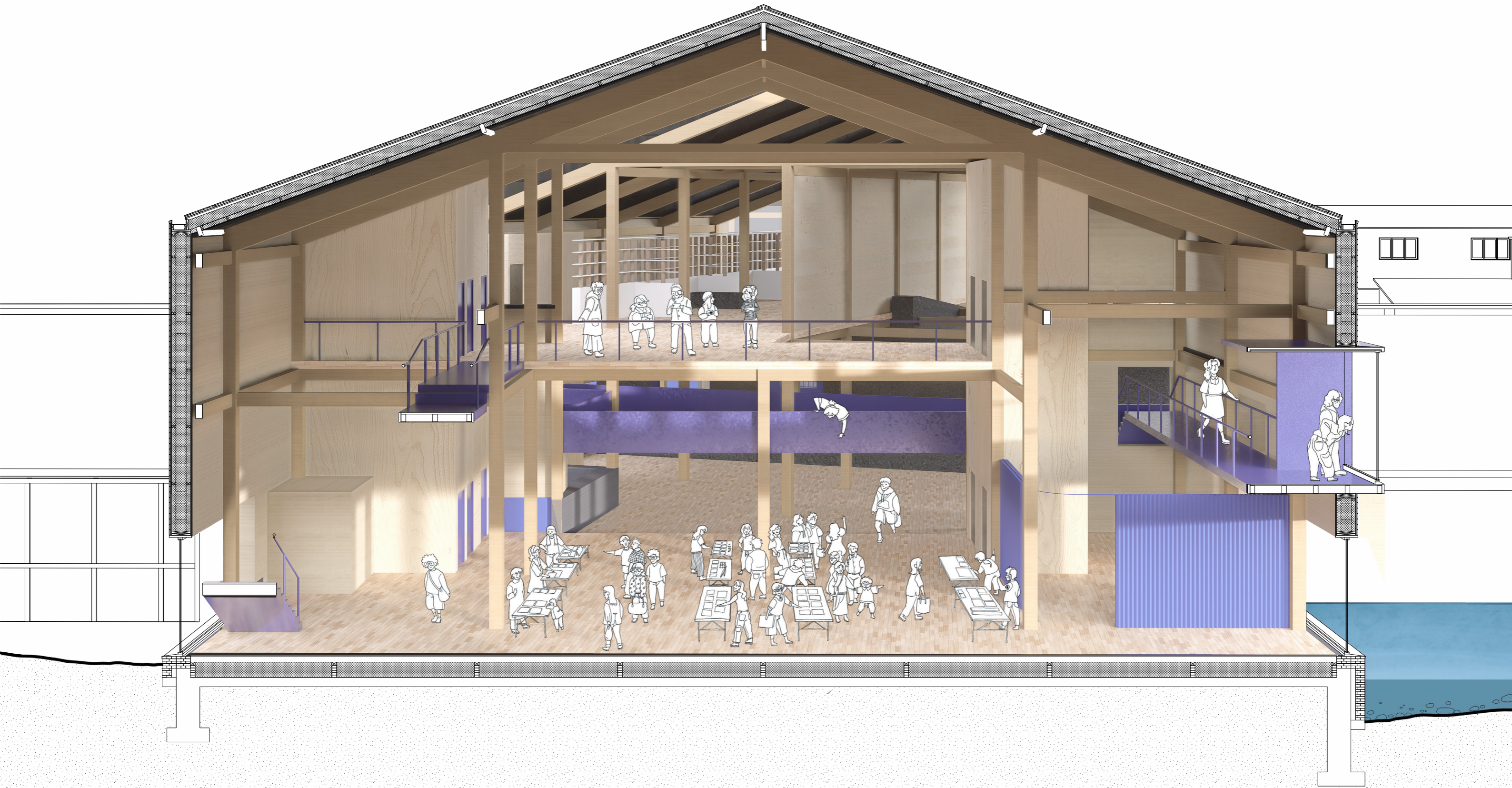


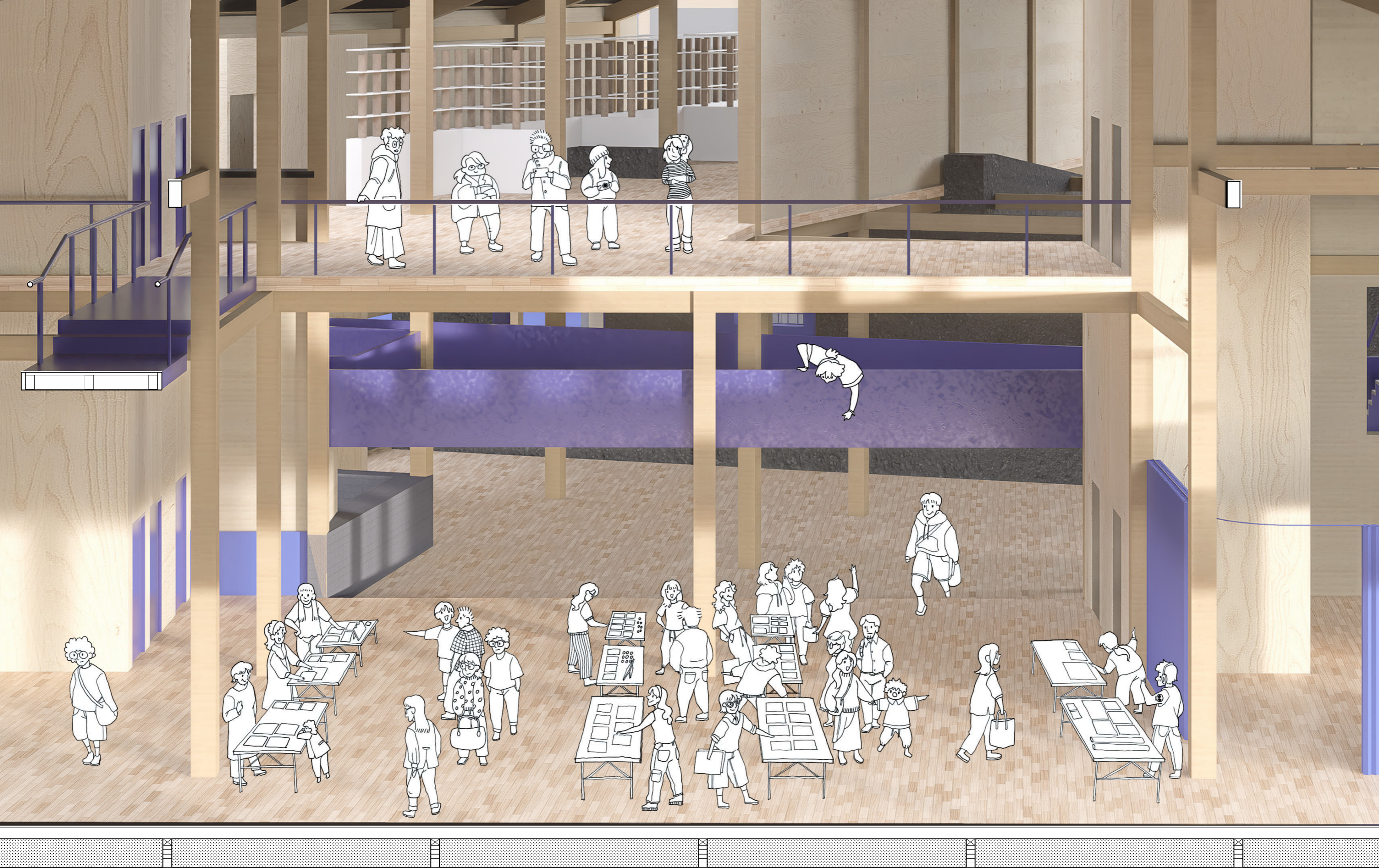












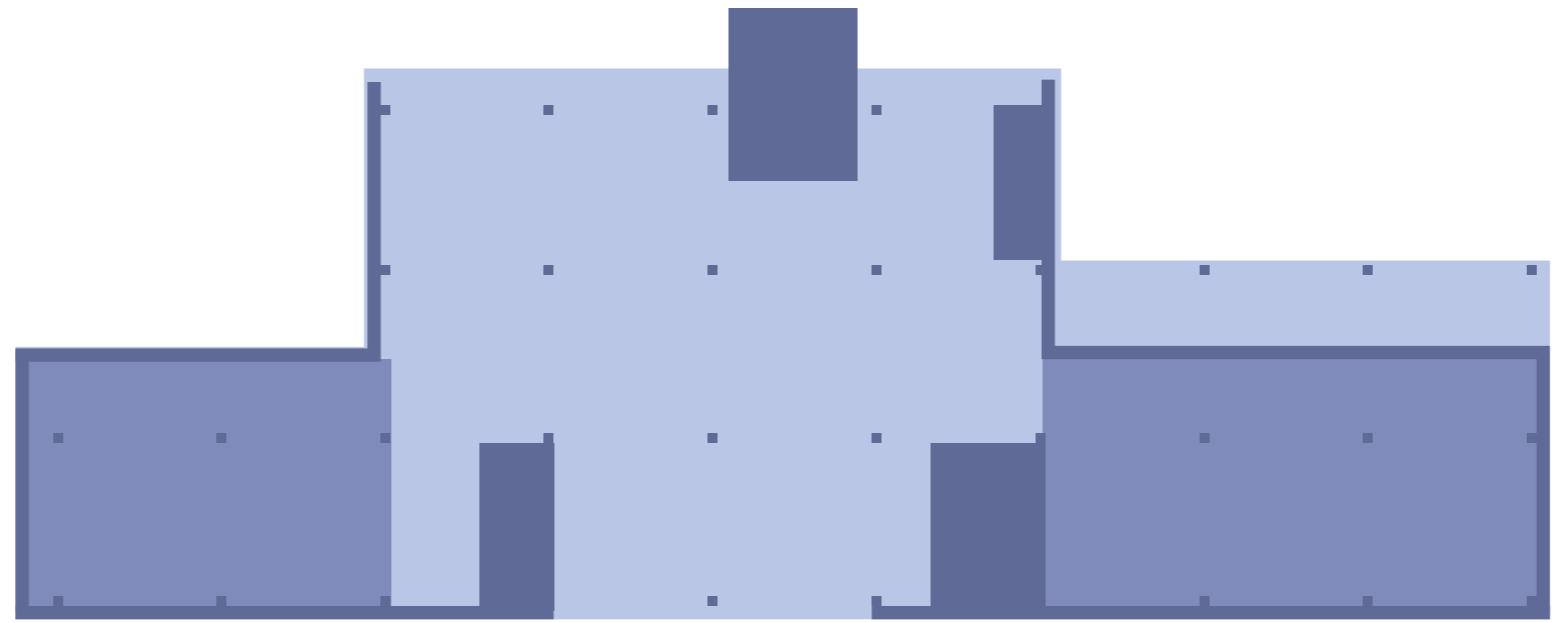


**The Mirrored Mill**

- 01 Market Hall
- 02 Adaptable Room
- 03 Stairs to Studios
- 04 Mini-Theatre
- 05 Public Classroom
- 06 WC
- 07 Ambulant WC
- 08 Storage/Janitor's Closet

0 5 10 metres

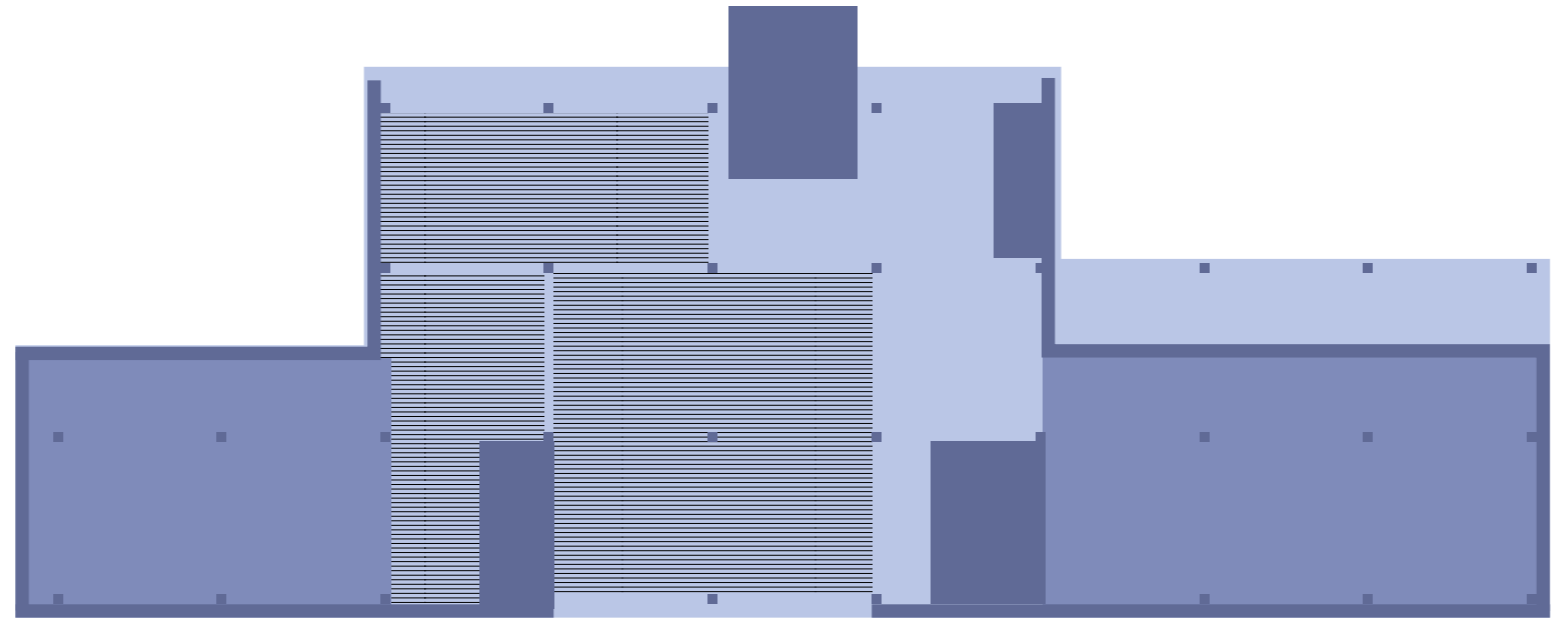


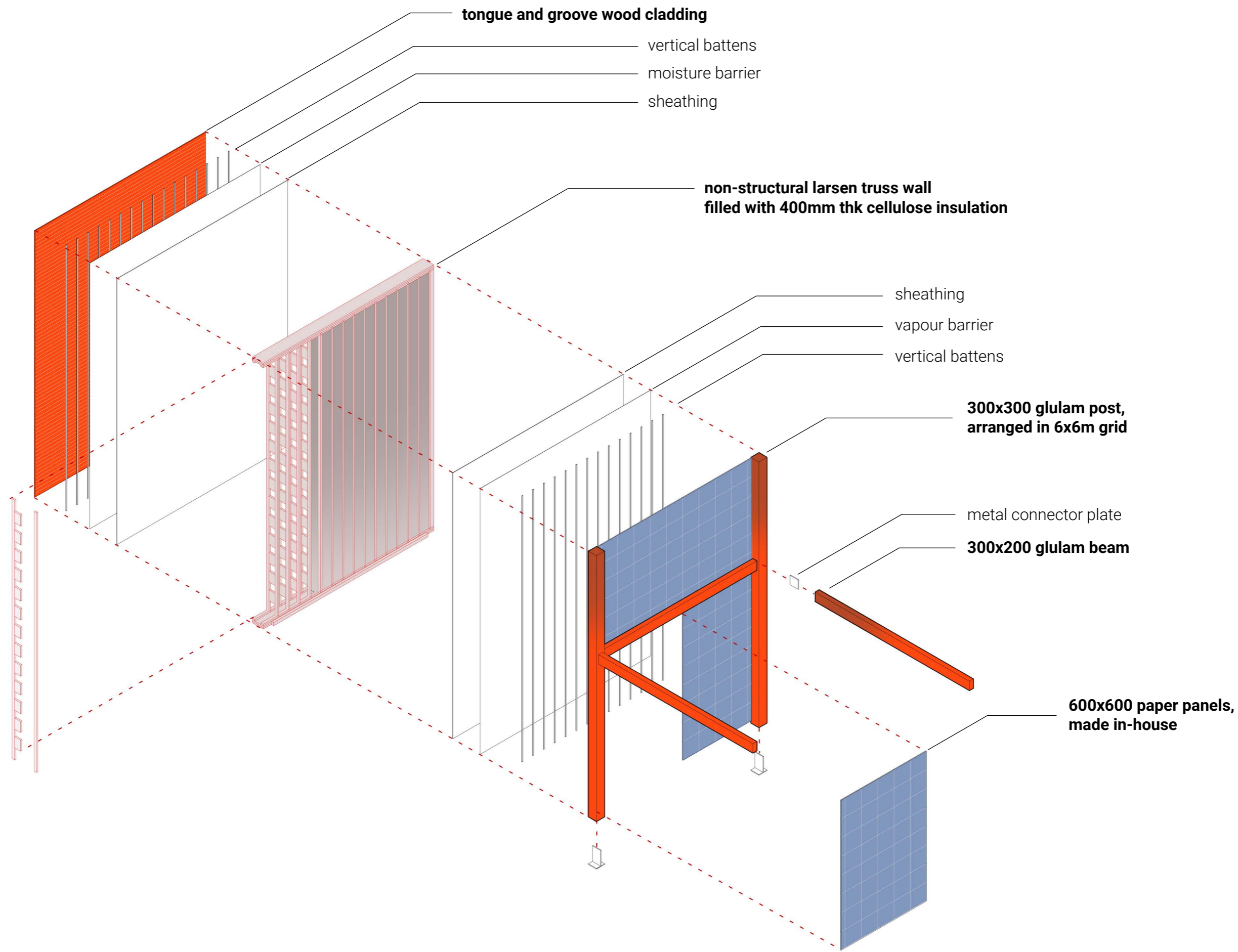


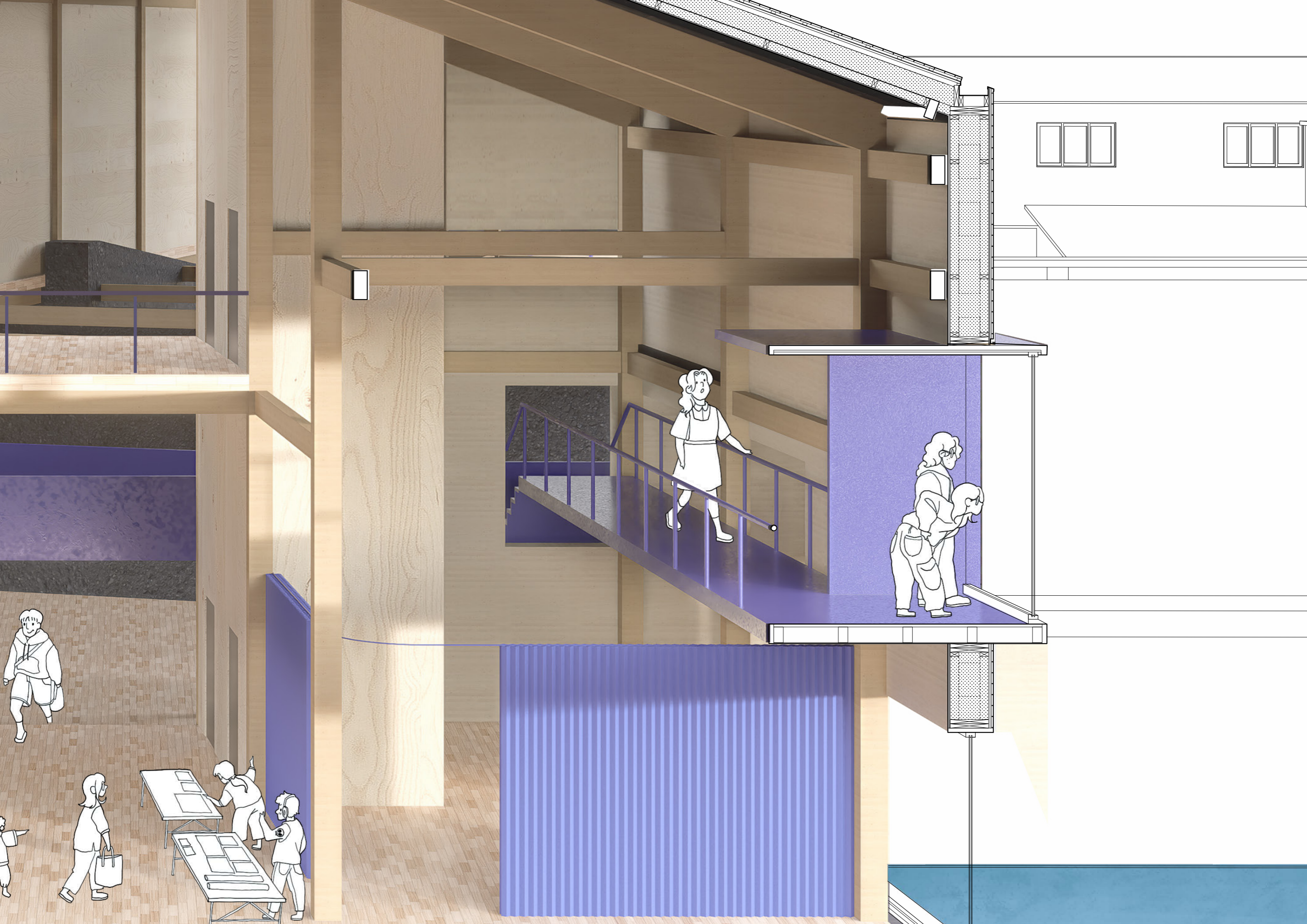
Theatre

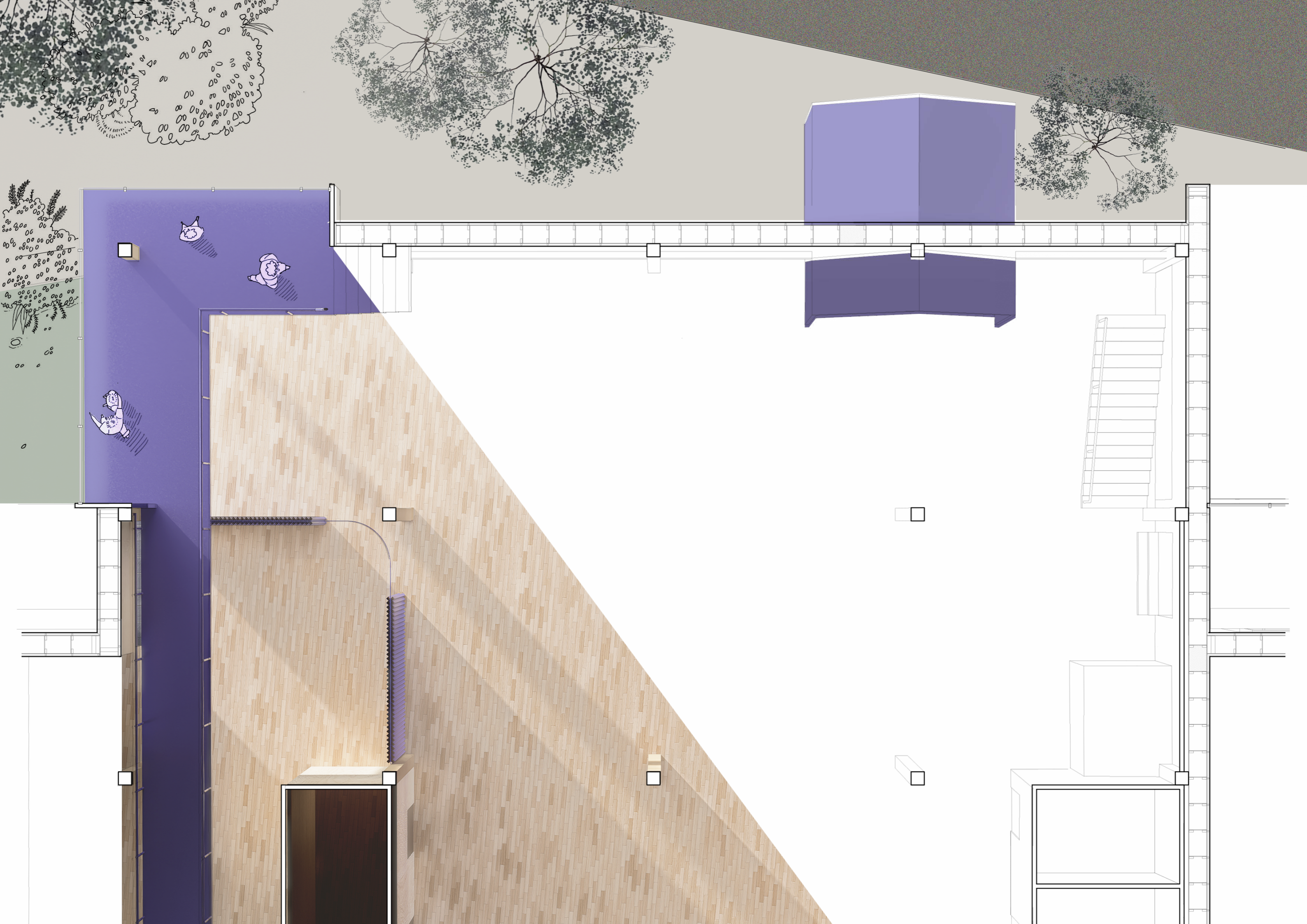
Market Hall

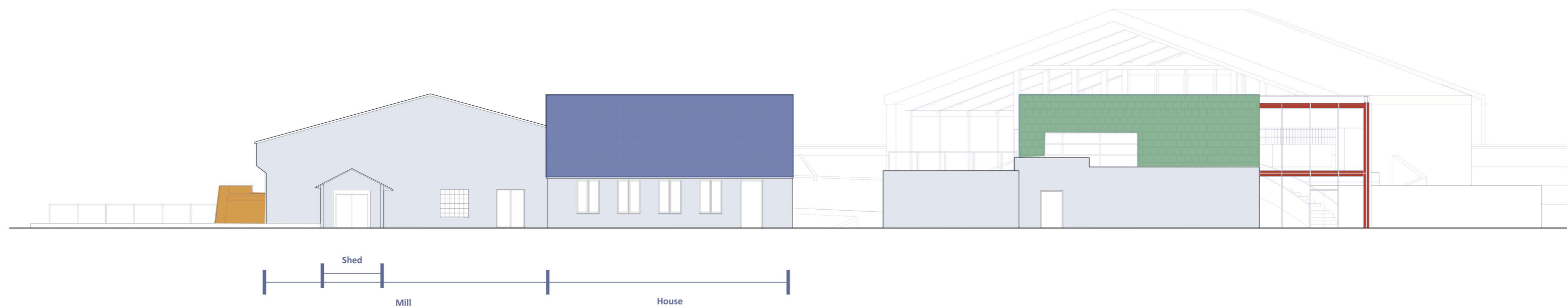
Public Classroom

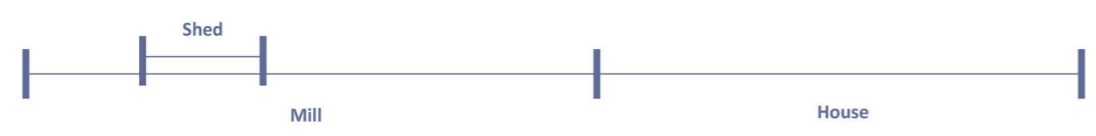
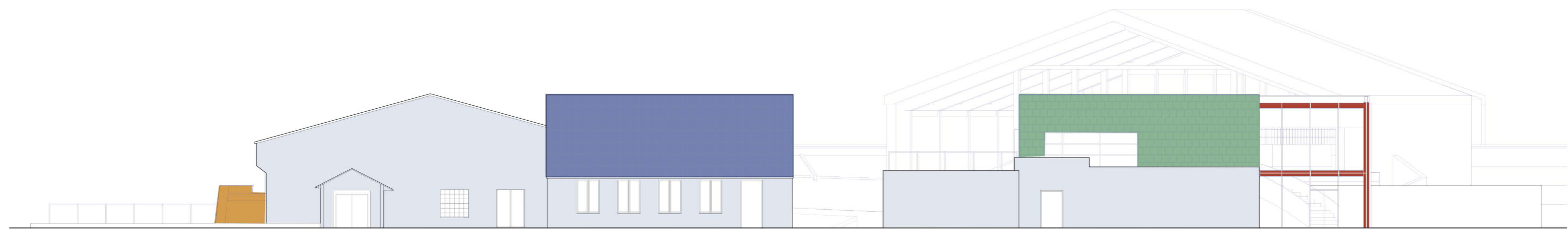




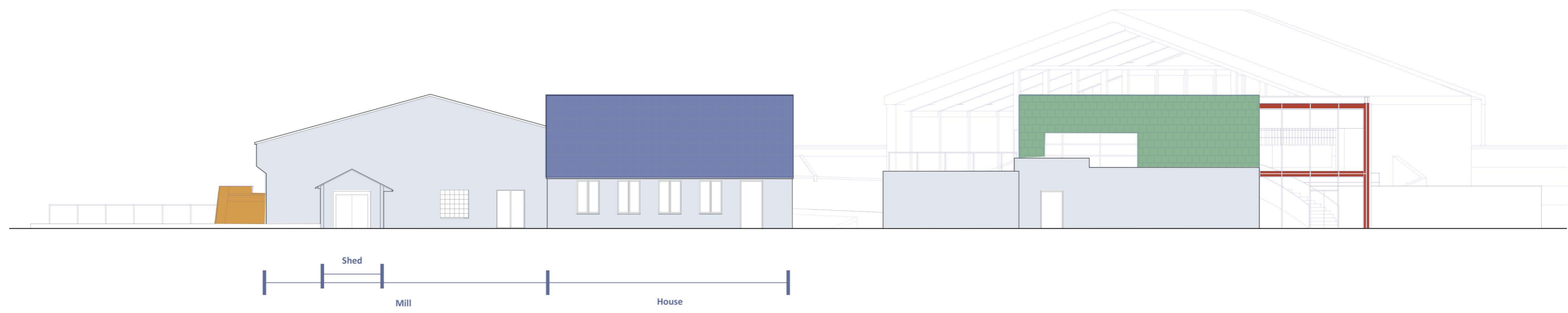




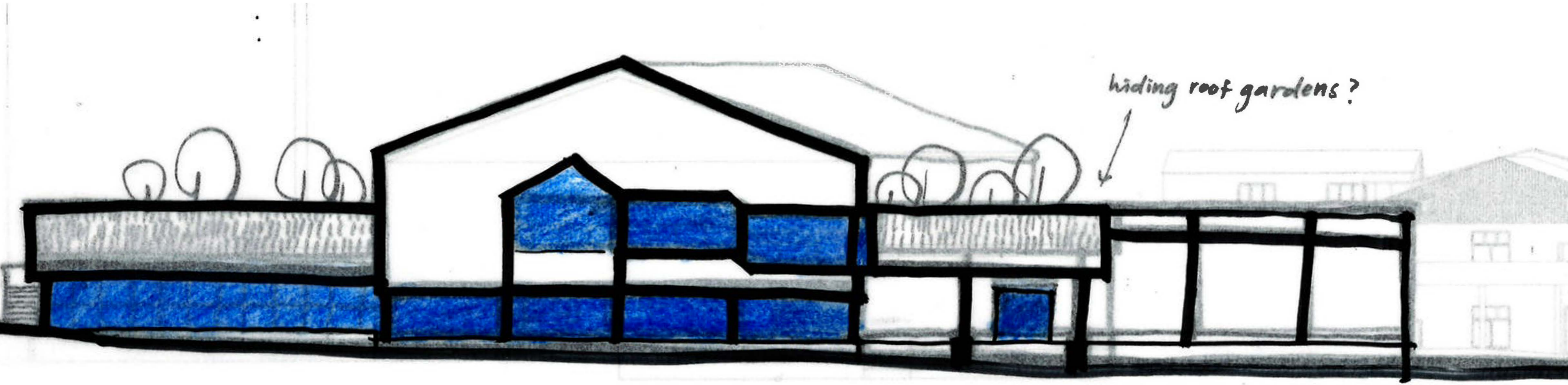
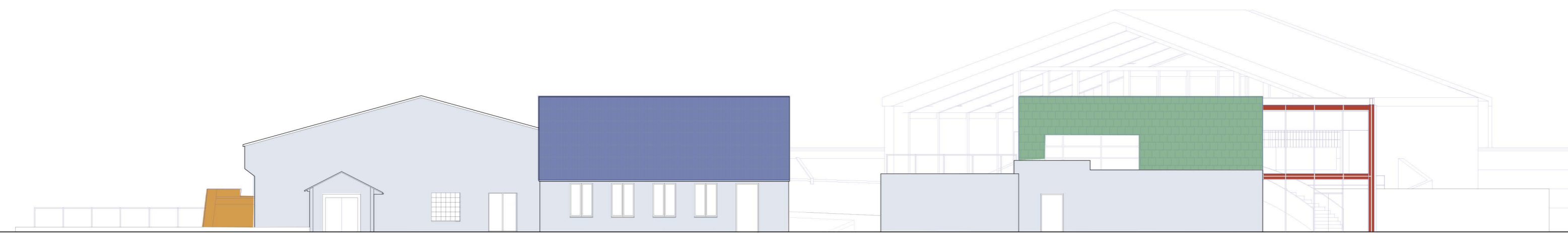




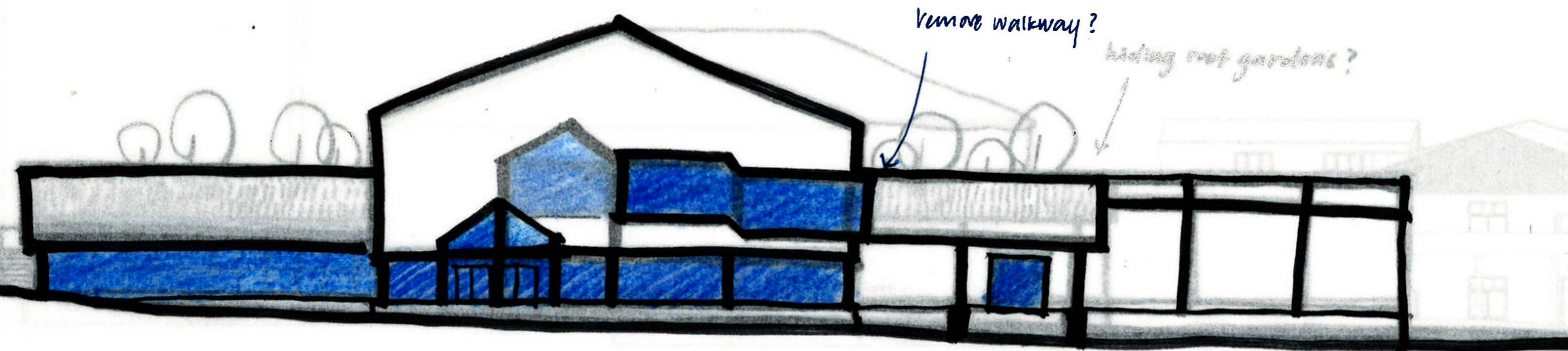
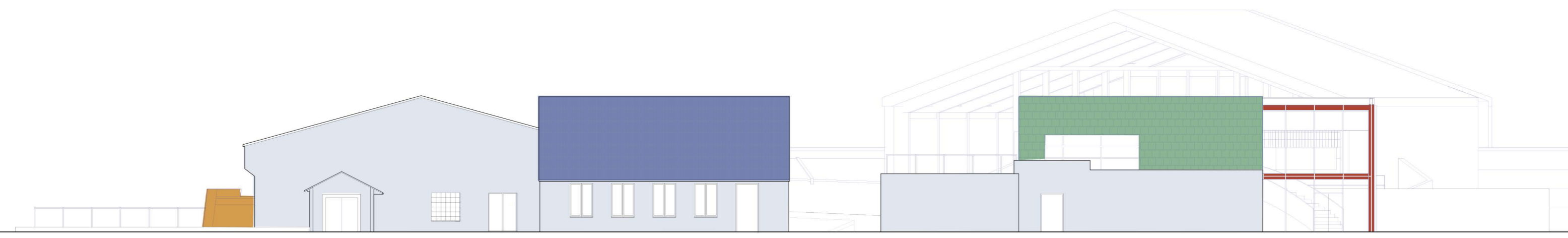
# 01



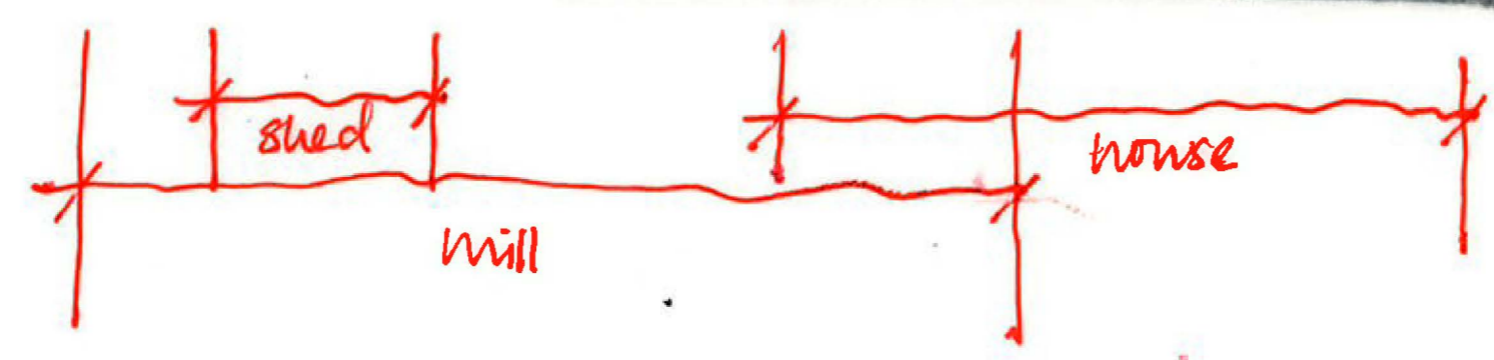
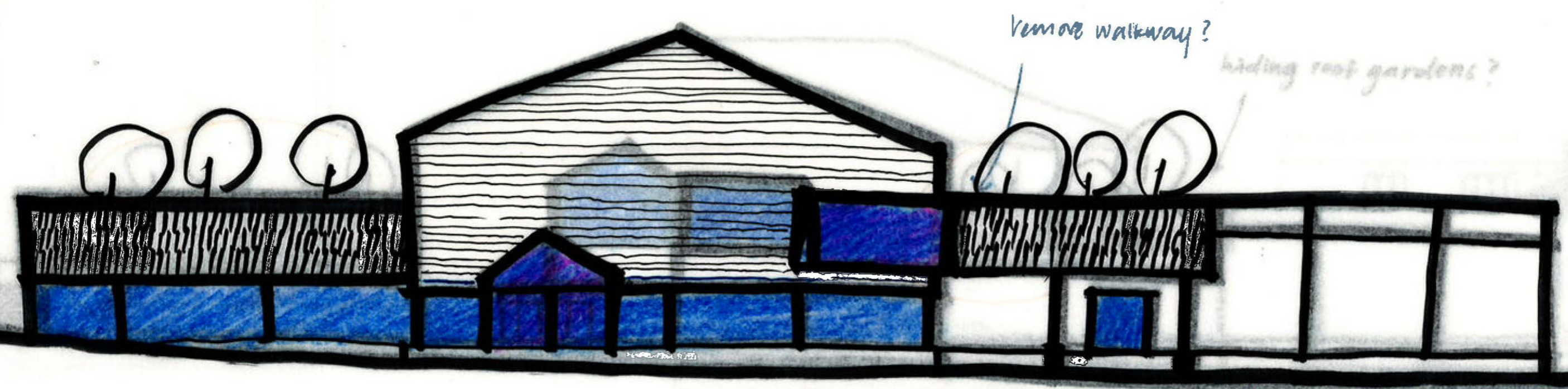
# 021



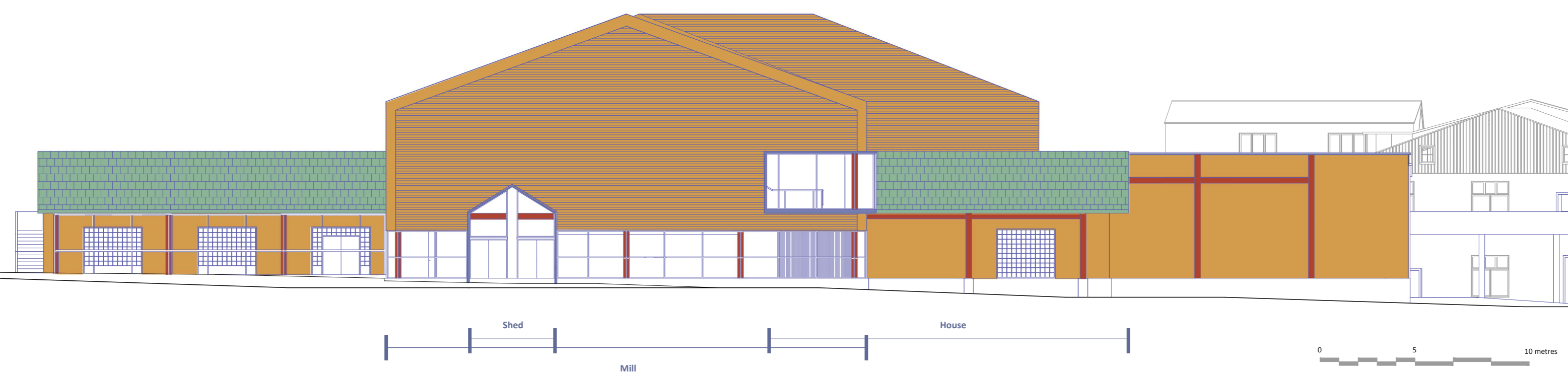
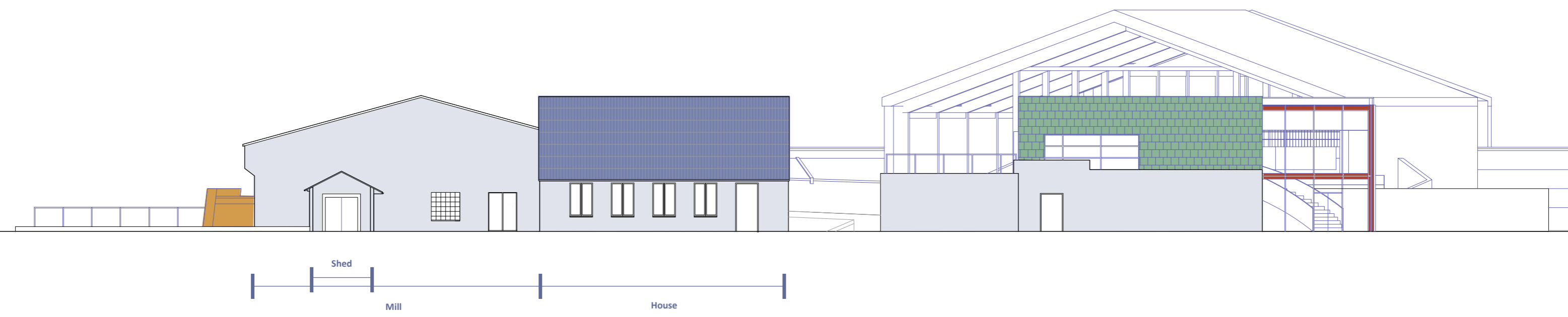
# 03

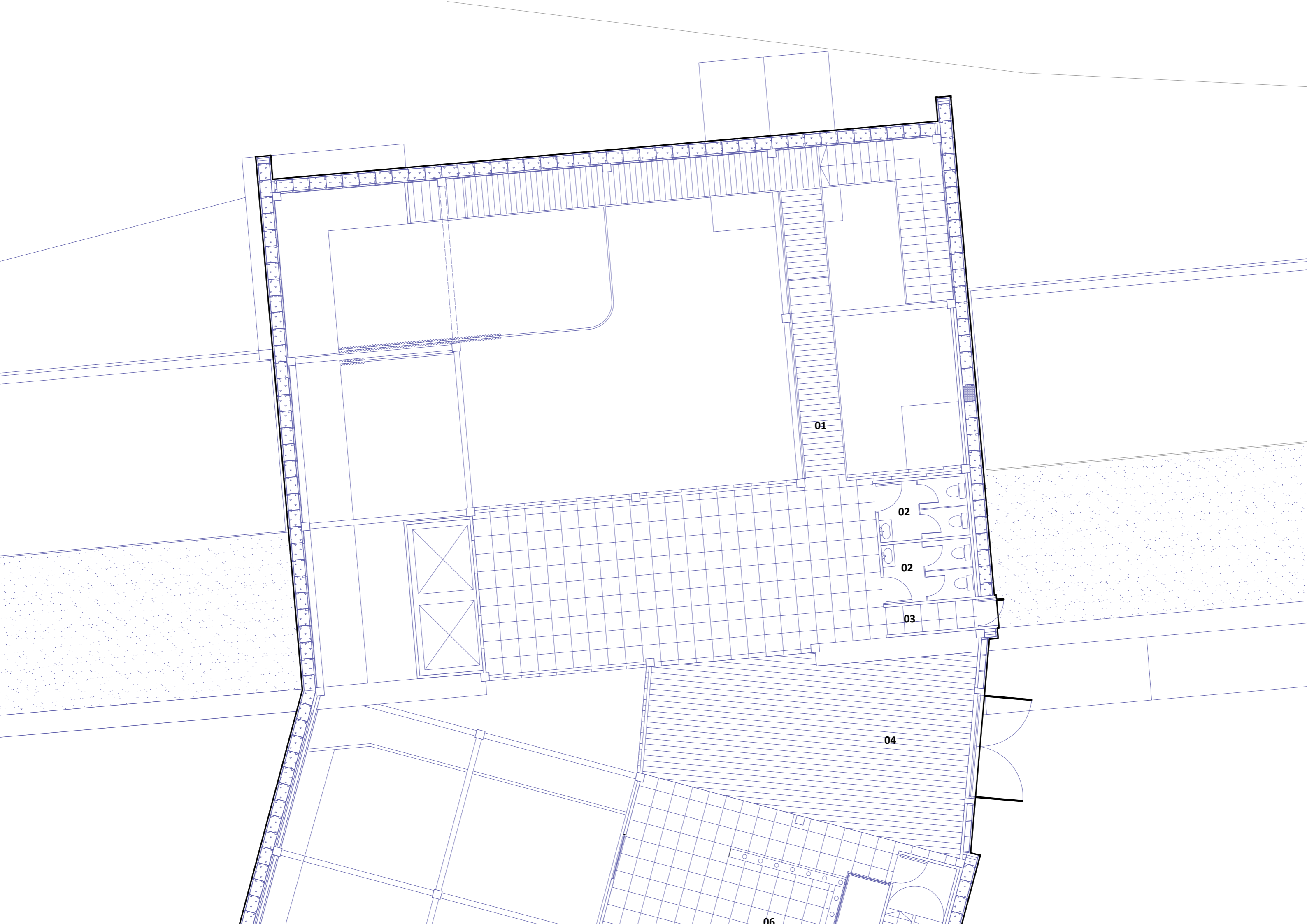


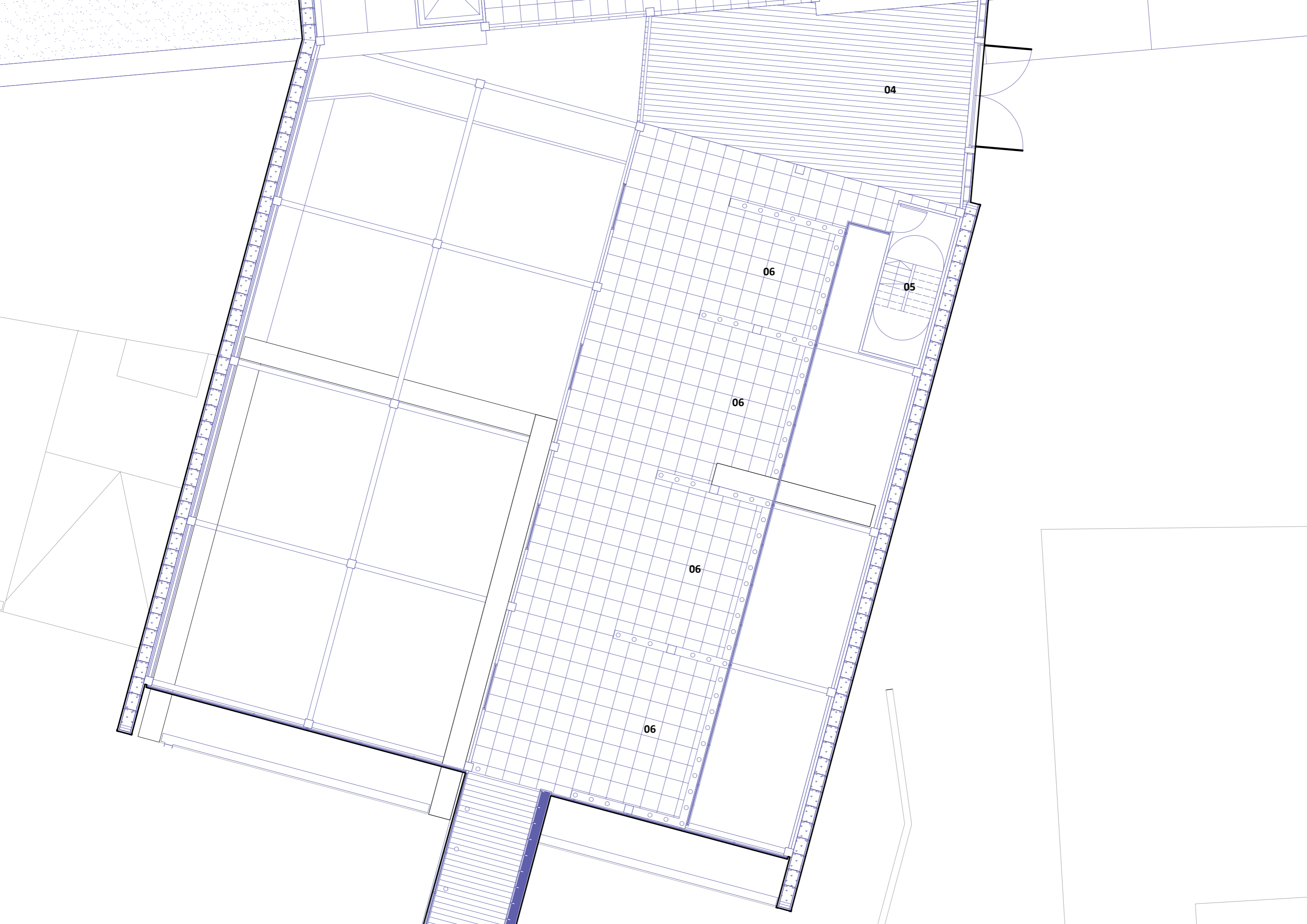
# 04  
# 03

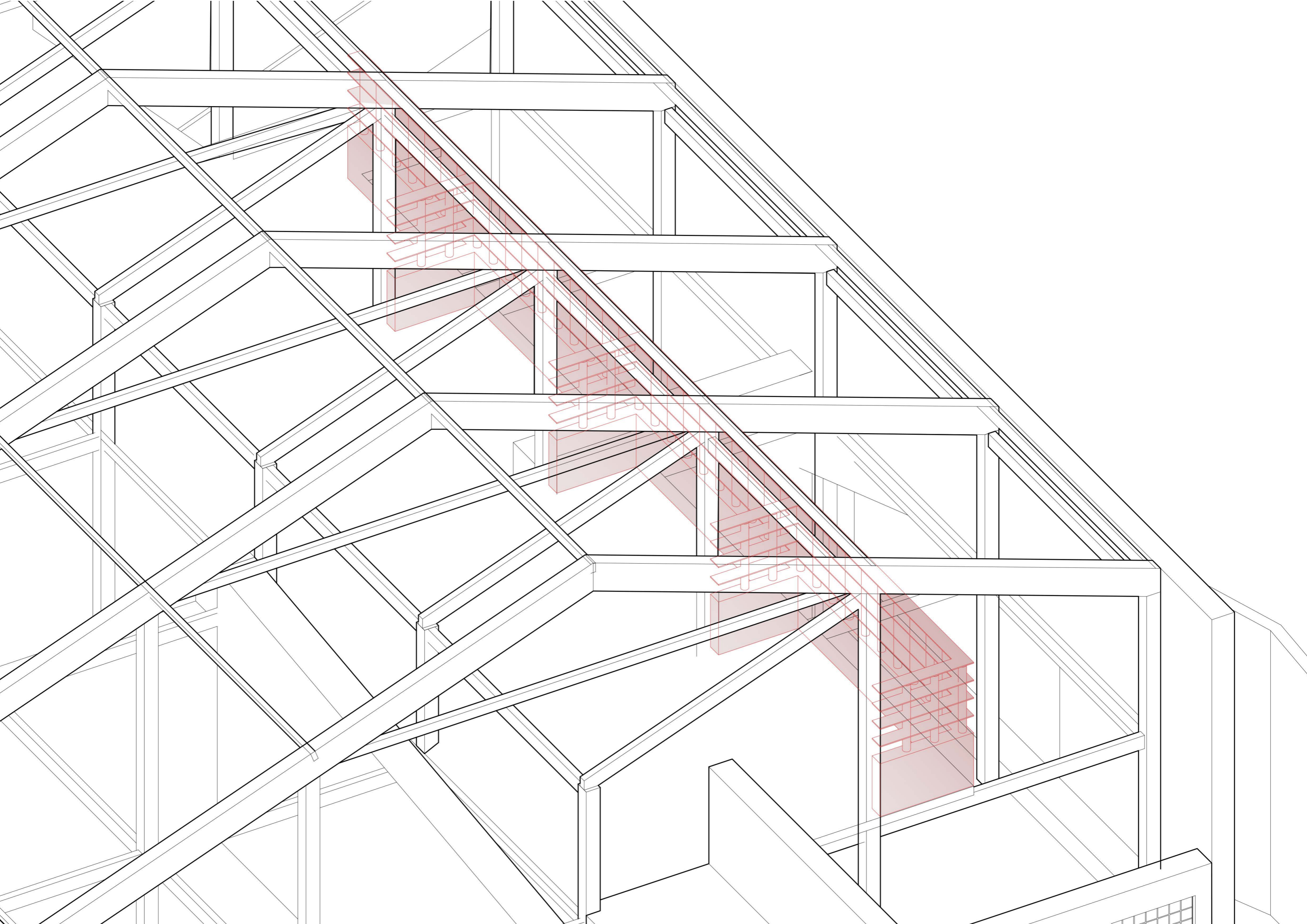


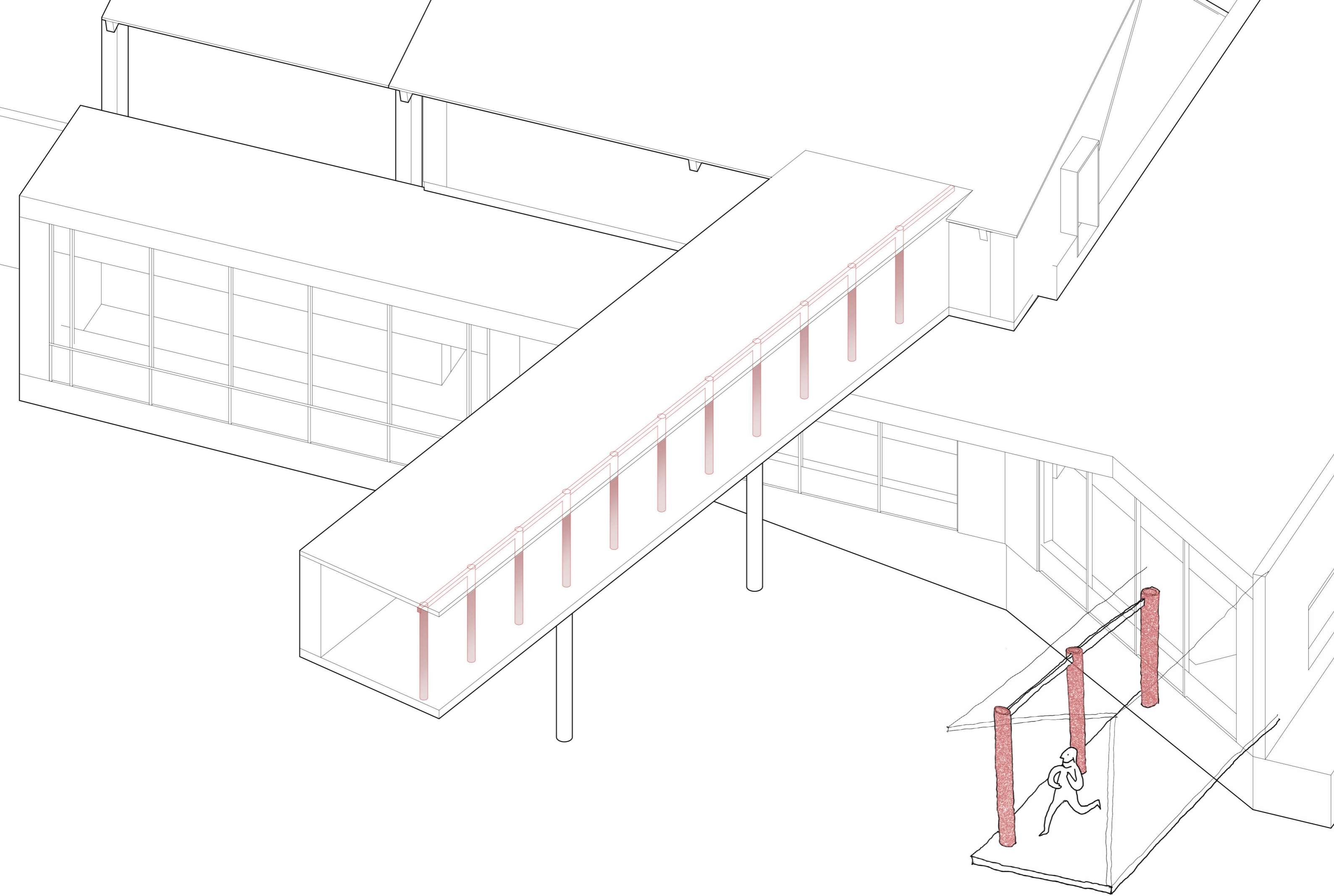
# 051  
"mirroring"

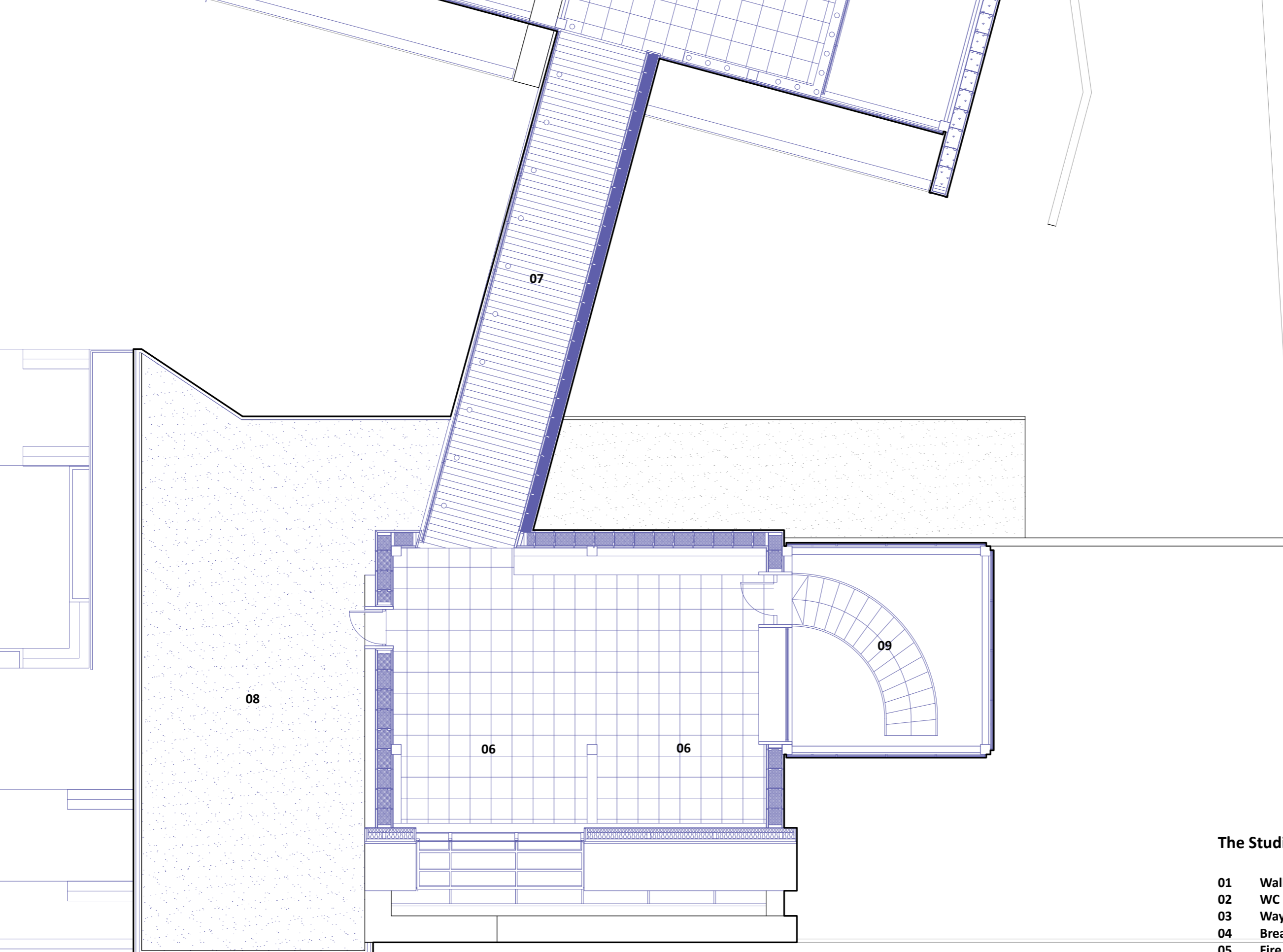






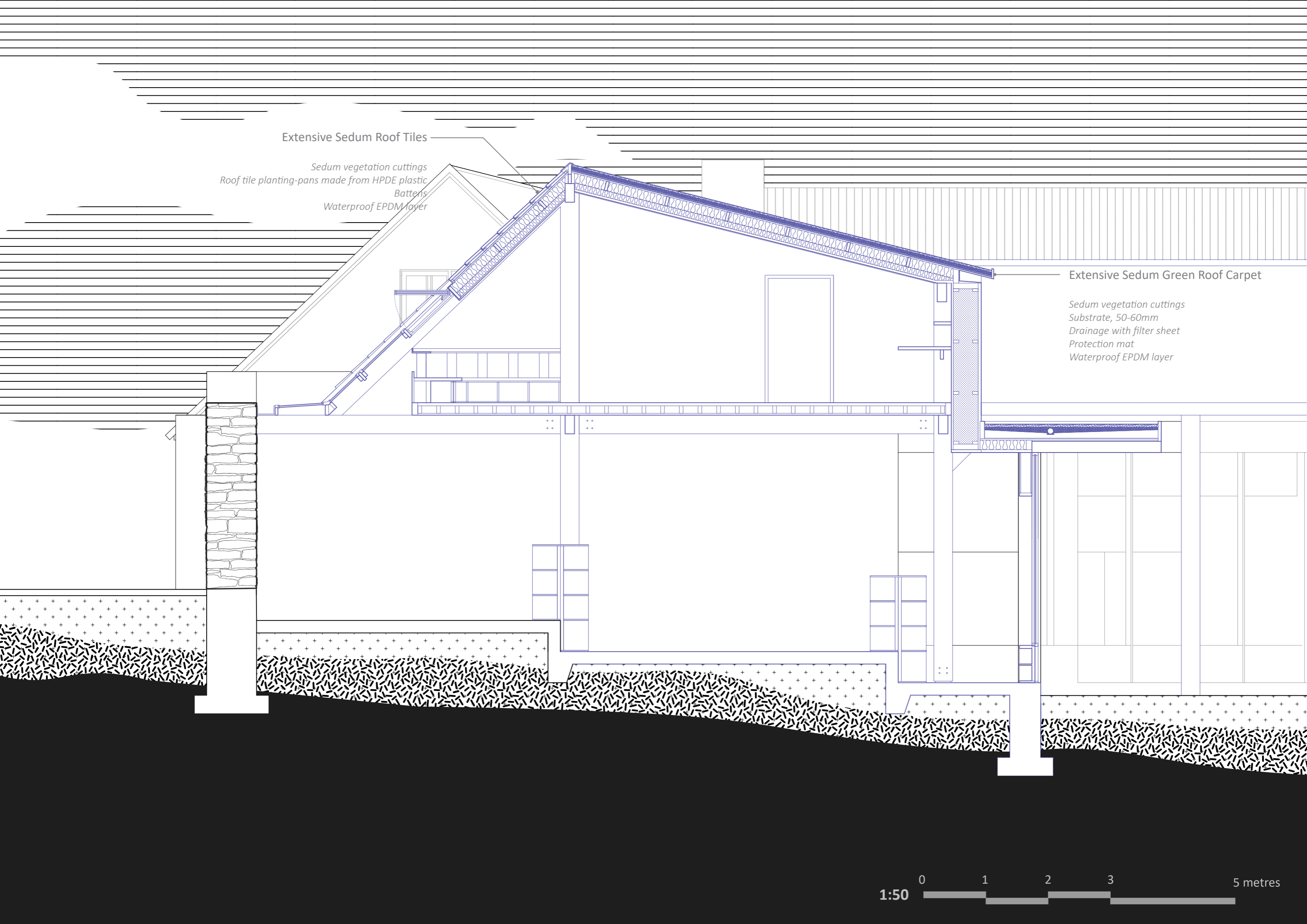






**The Studios**

- 01 Walkway
- 02 WC
- 03 Way To Rooftop Garden
- 04 Breakout Area
- 05 Fire Escape
- 06 Creative Studio For-Rent/Office
- 07 Paper Tube Walkway
- 08 Rooftop Garden
- 09 Stairs to Juhkentali Street



Extensive Sedum Roof Tiles

Sedum vegetation cuttings  
Roof tile planting-pans made from HPDE plastic  
Battens  
Waterproof EPDM layer

Extensive Sedum Green Roof Carpet

Sedum vegetation cuttings  
Substrate, 50-60mm  
Drainage with filter sheet  
Protection mat  
Waterproof EPDM layer

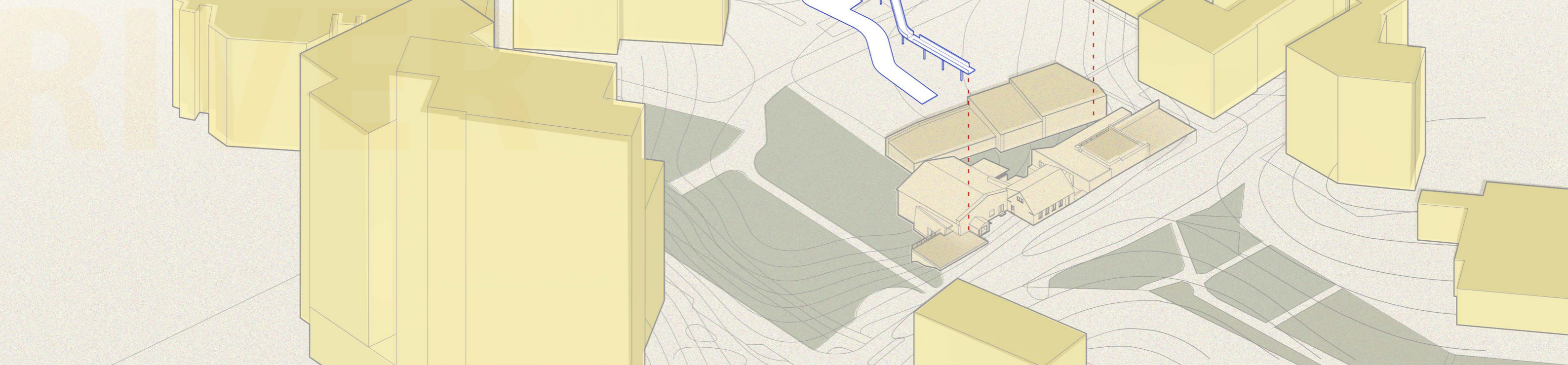
1:50 0 1 2 3 5 metres



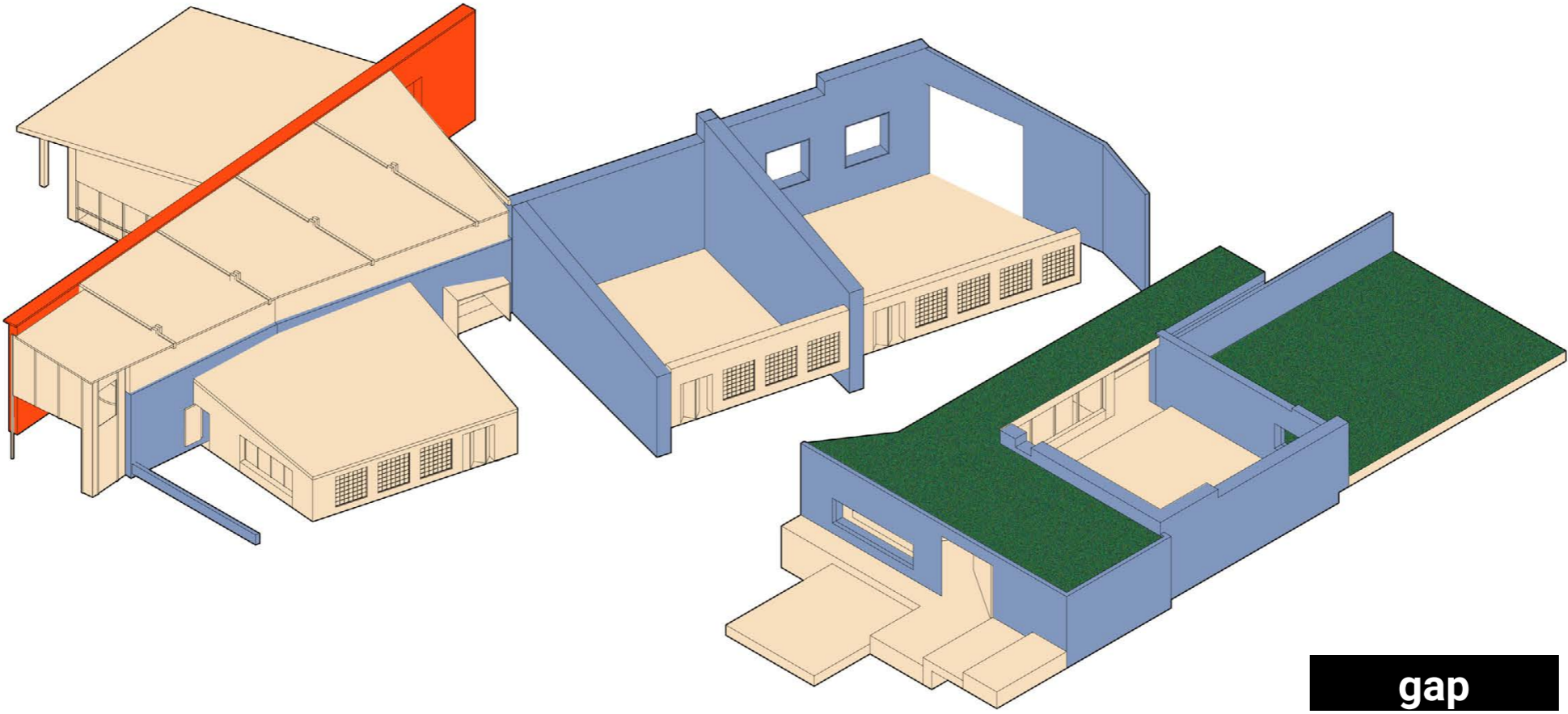
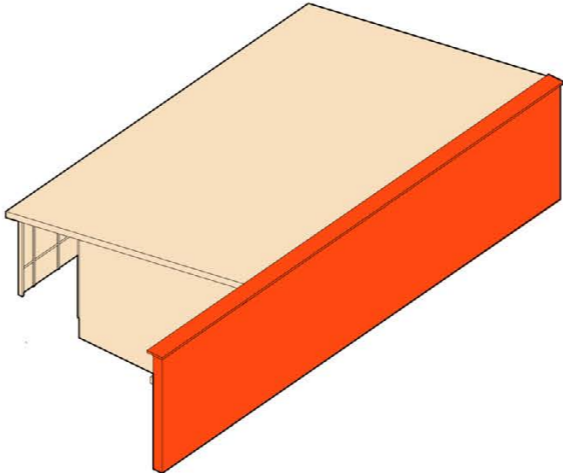
MILL + HOUSE

**SHEDS**

GROUNDS



**trace**



**gap**



First Floor Plan | +4,000

- 01 Walkway
- 02 River Härjåpea Permanent Exhibition
- 03 Library Cafe
- 04 Library
- 05 Study
- 06 Pocket Garden

0 5 10 metres



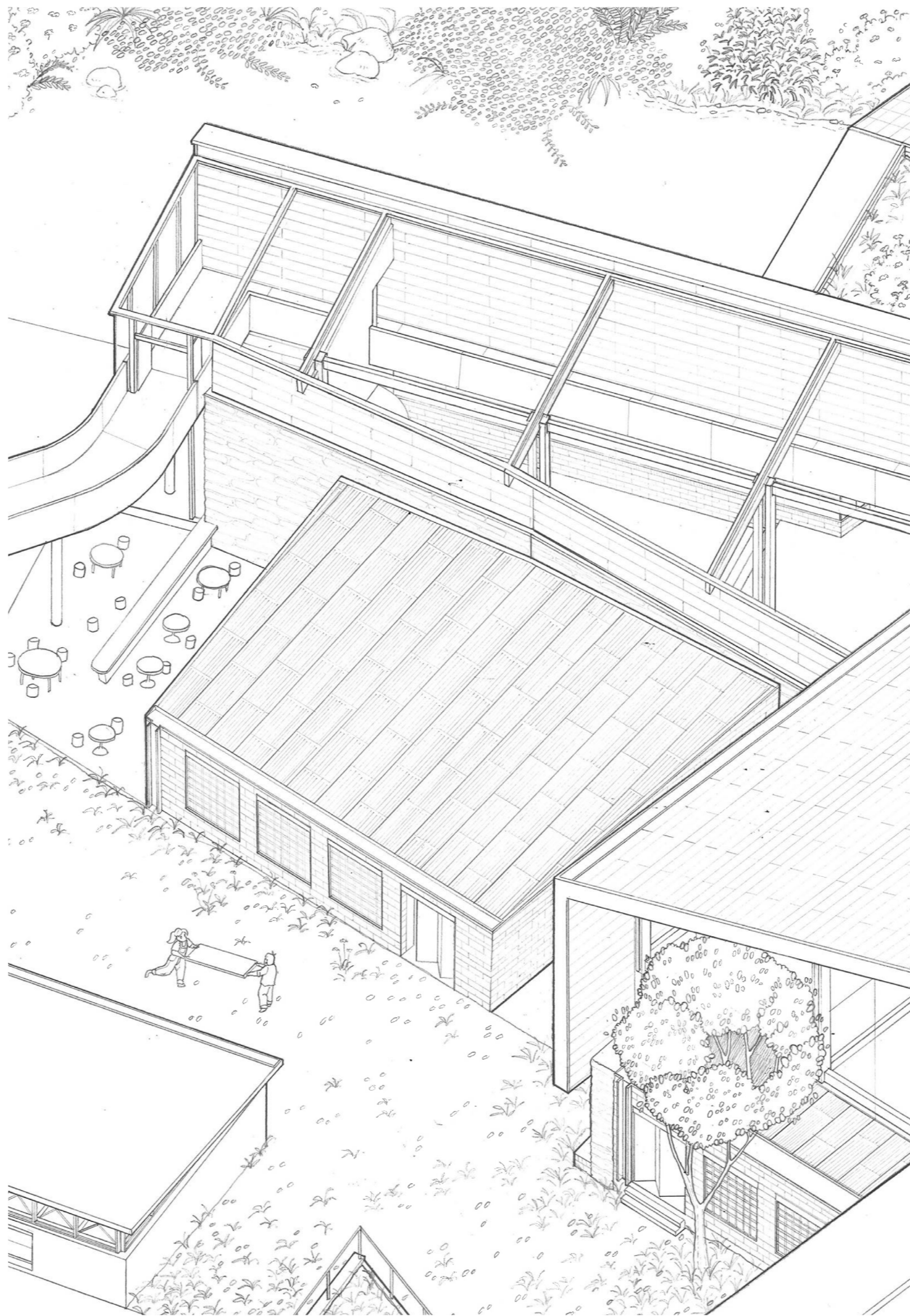


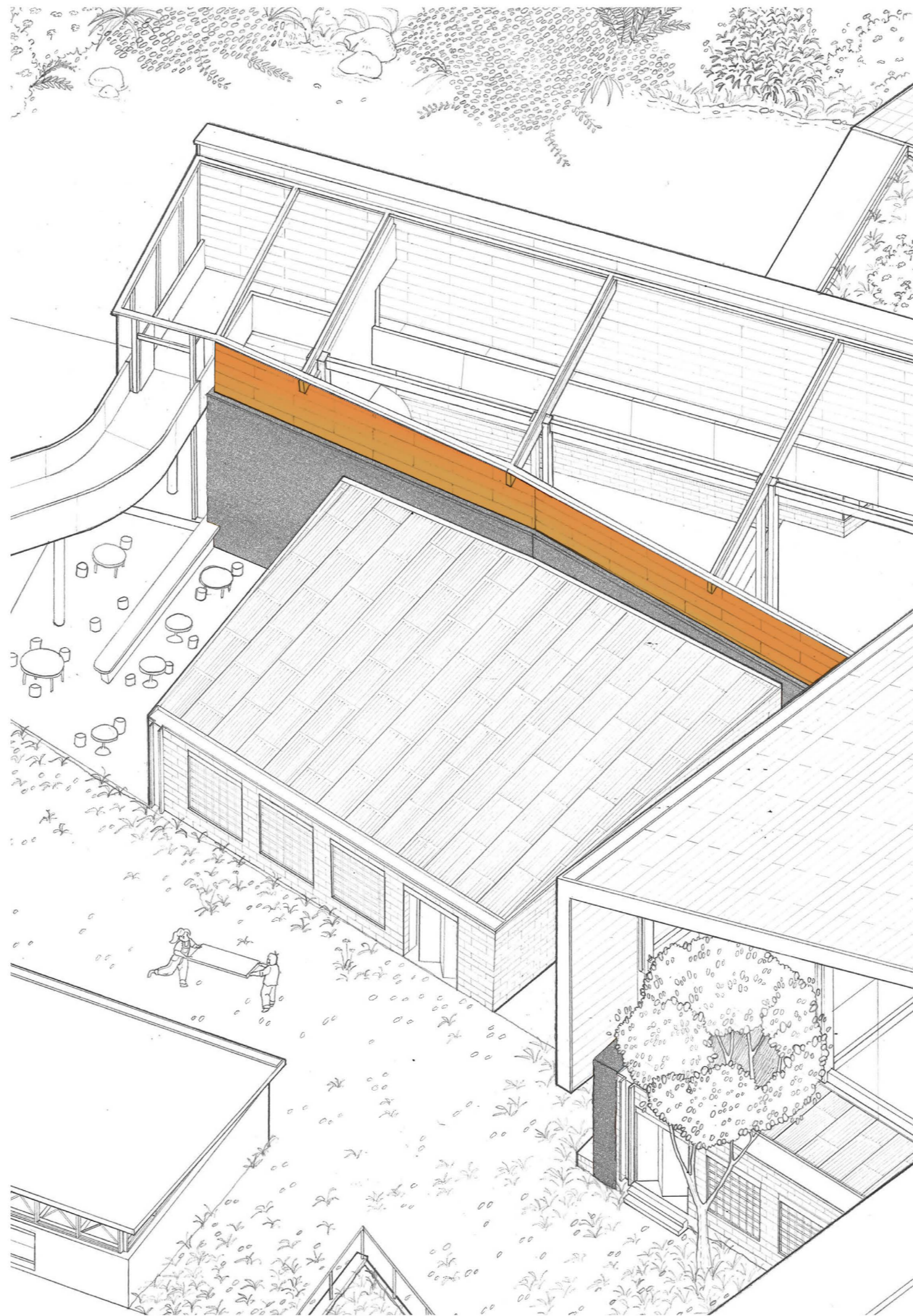
**The Existing Sheds**

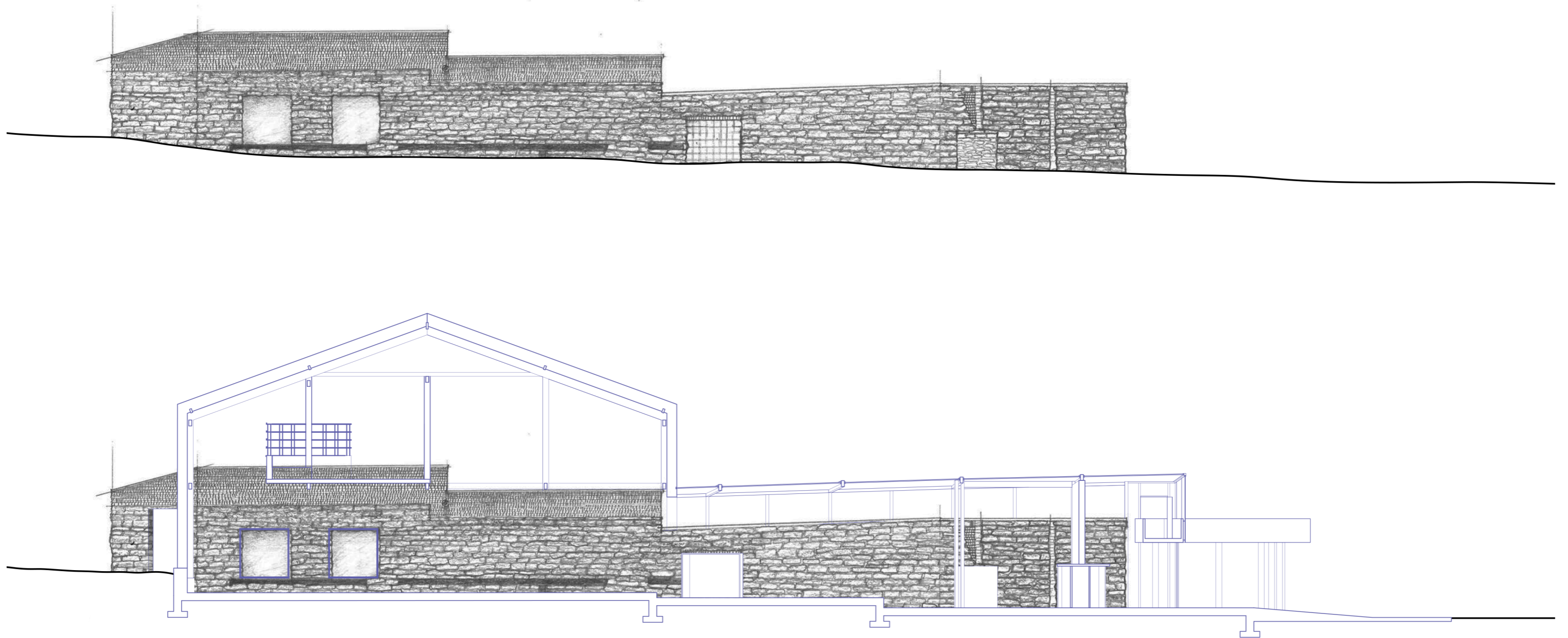
- 01 Riverside Terrace
- 02 Restaurant
- 03 WC
- 04 Kitchen
- 05 Secondary Entrance
- 06 Metalworking Workshop
- 07 Woodworking Workshop

0 5 10 metres





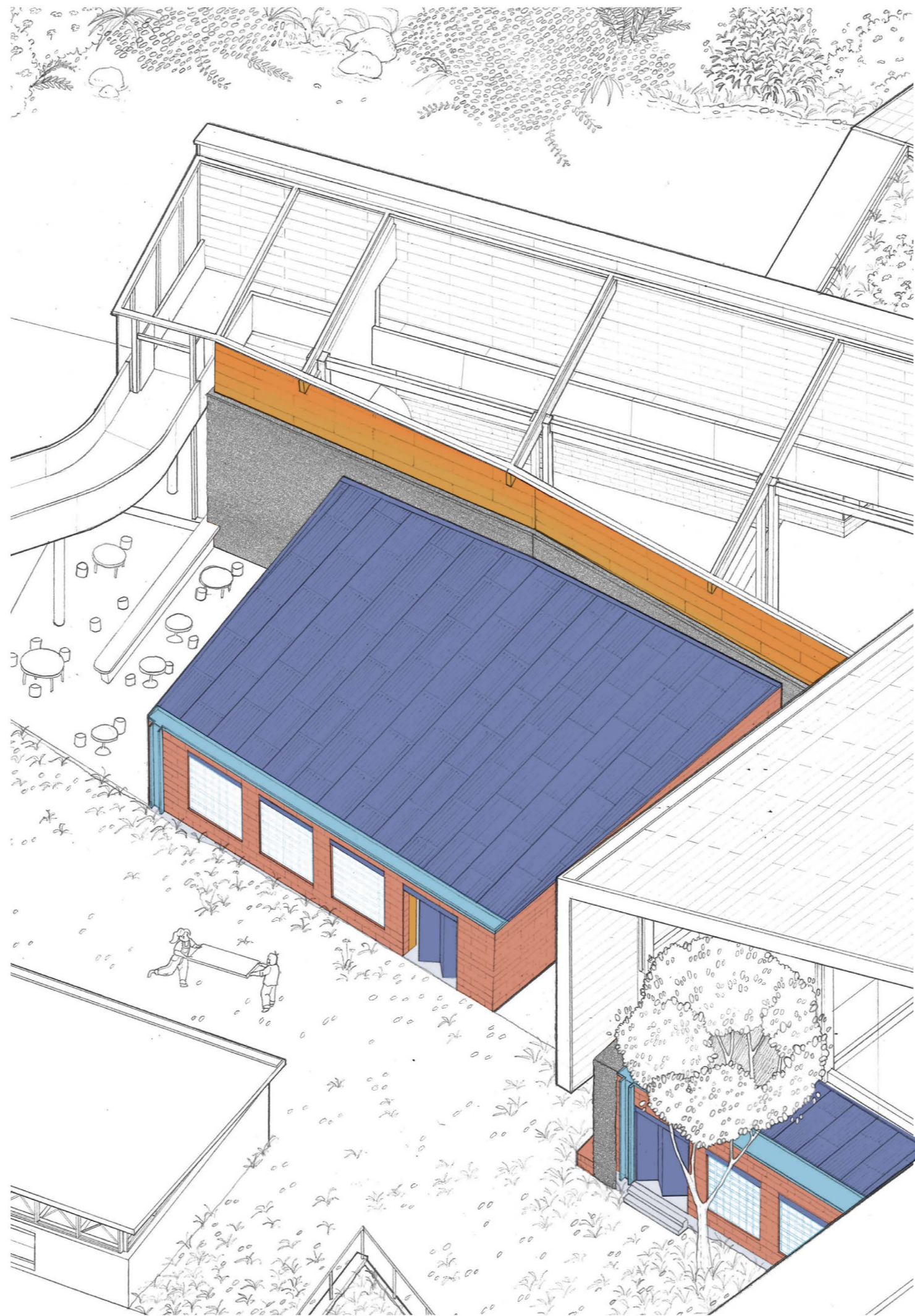


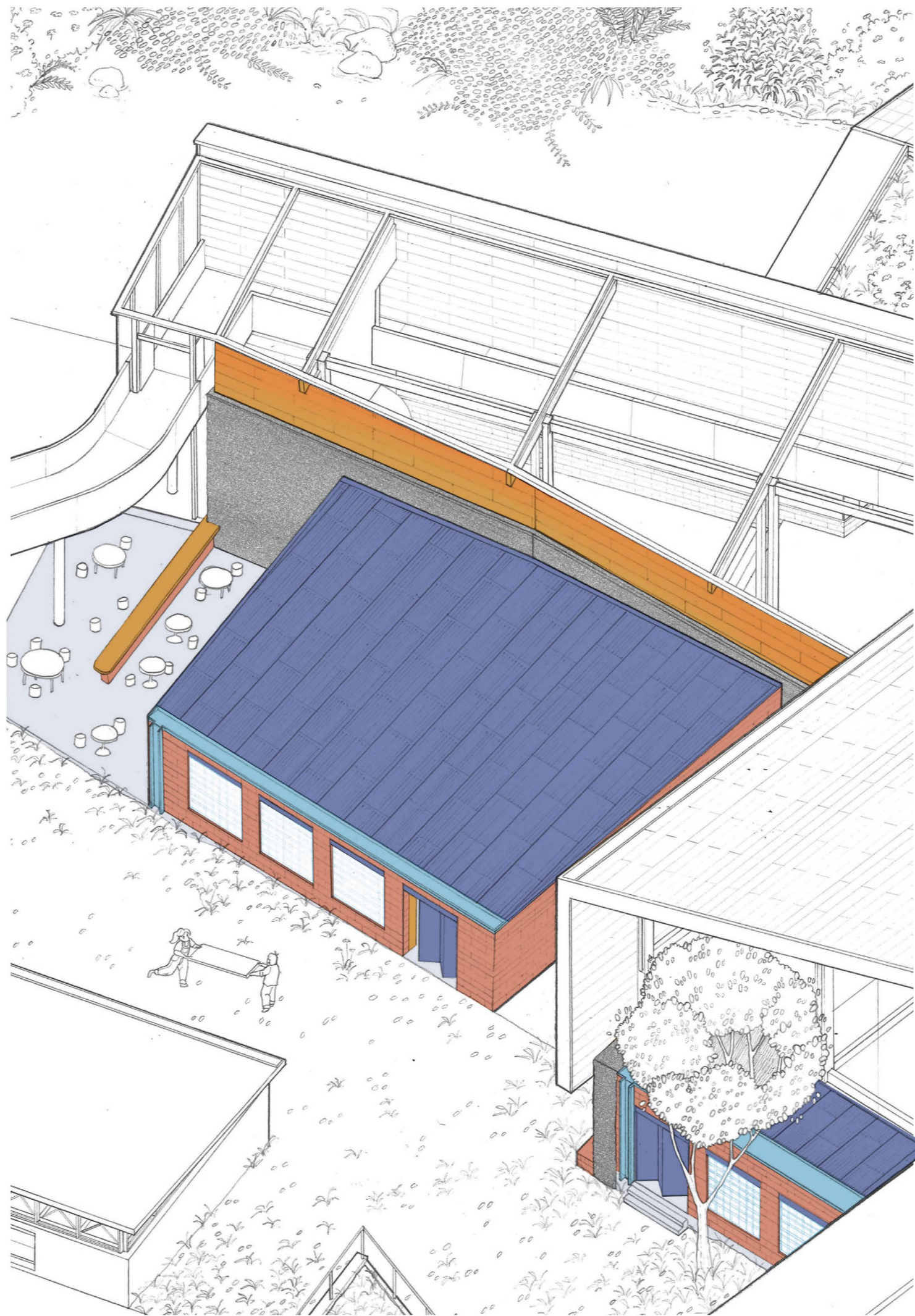


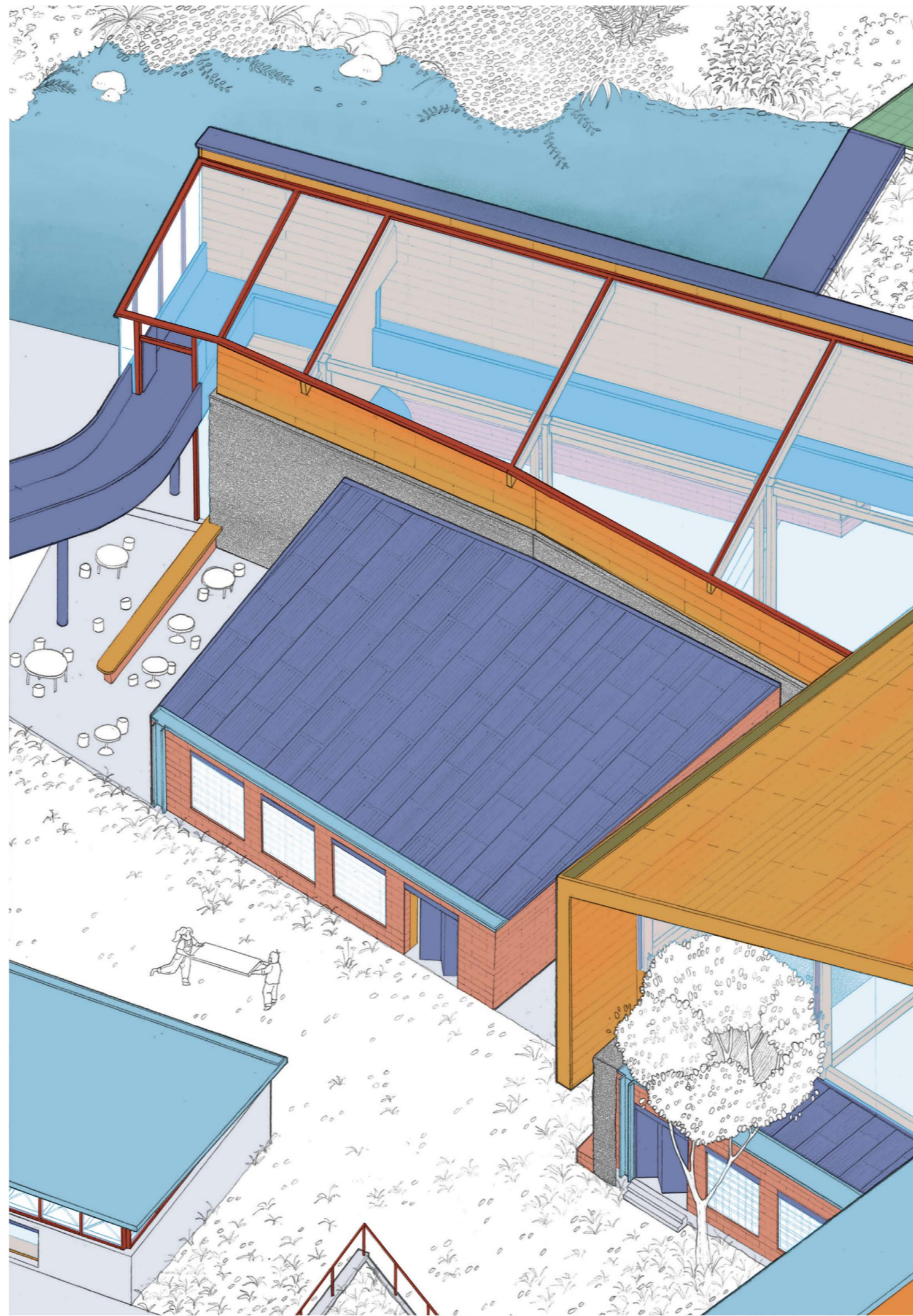
“To see them as a possibility for something new, part of a design process, a creative contribution to a new project. Traces show a potential for the future rather than a citation of the past.”

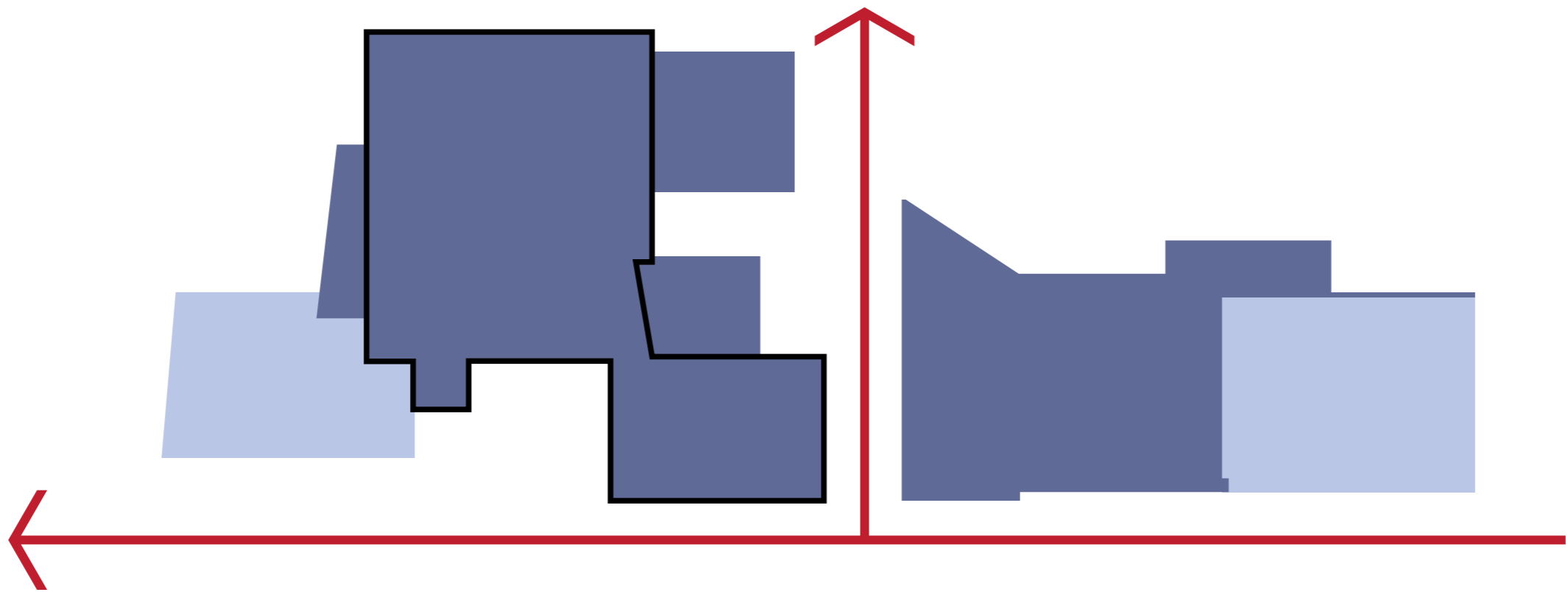
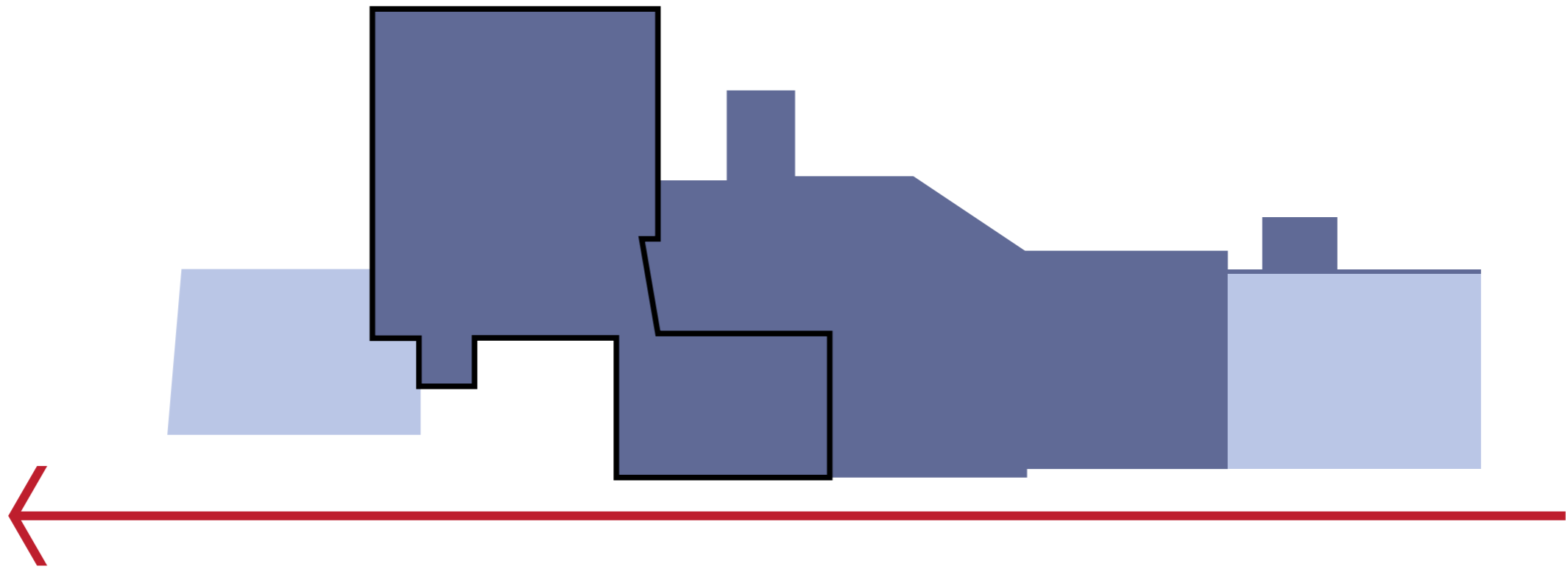
*Embracing Traces with a Designerly Gaze by Van Cleempoel, K. (2023).*

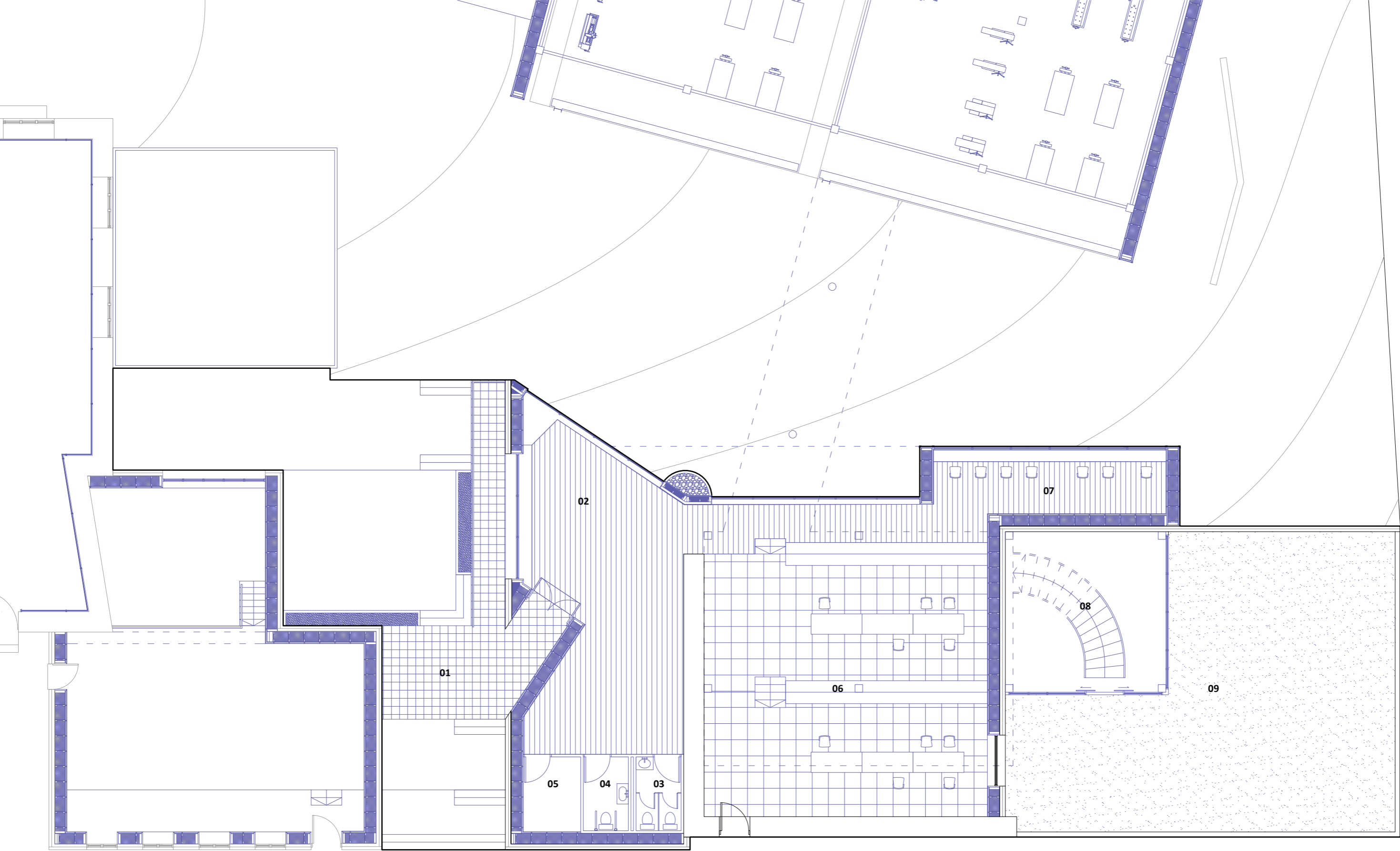
*Excerpt taken from As Found: Experiments in Preservation,  
by De Caigny, S., Ertas, H. & Plevoets, B. (Eds.). (2023).*









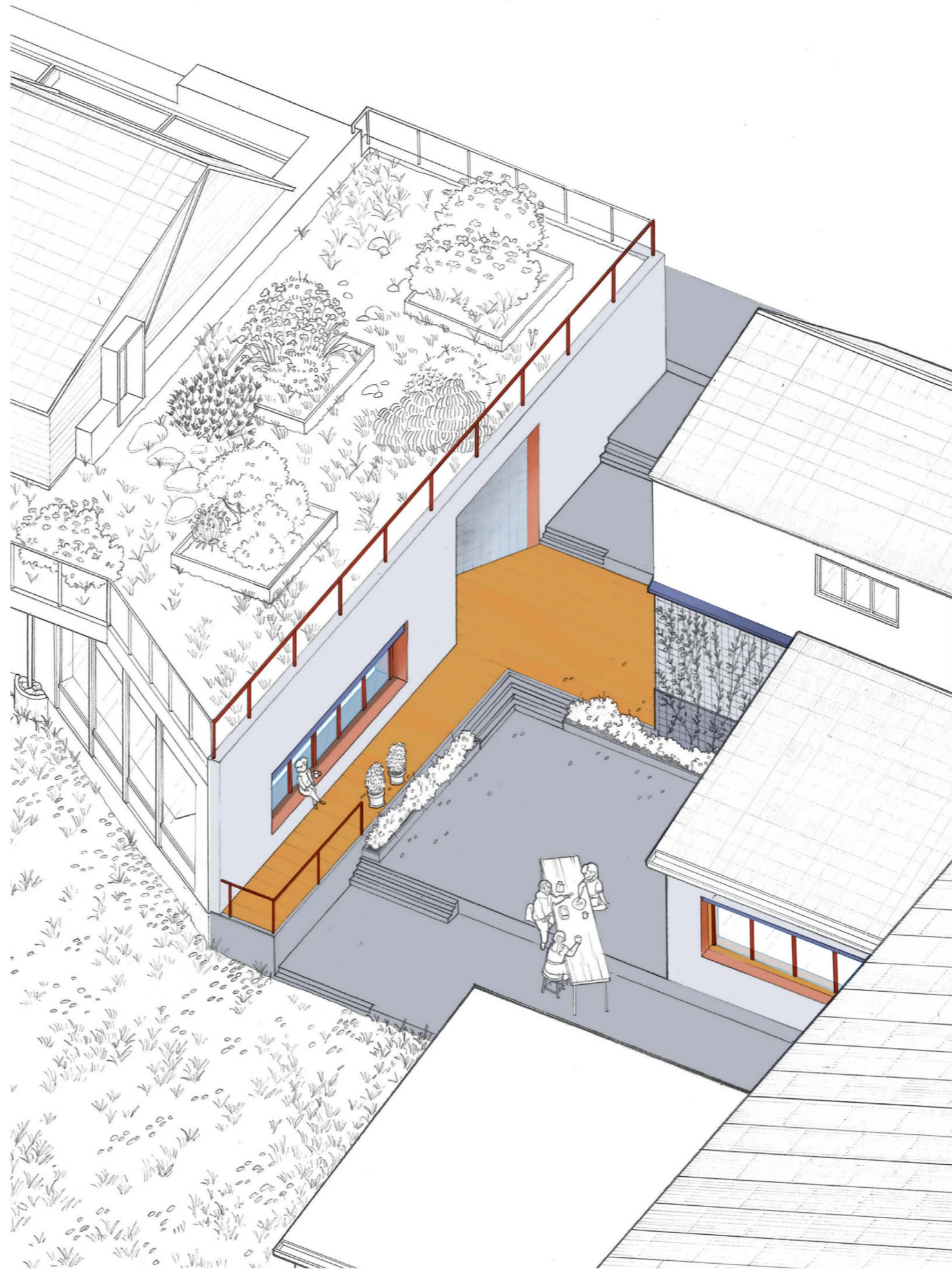


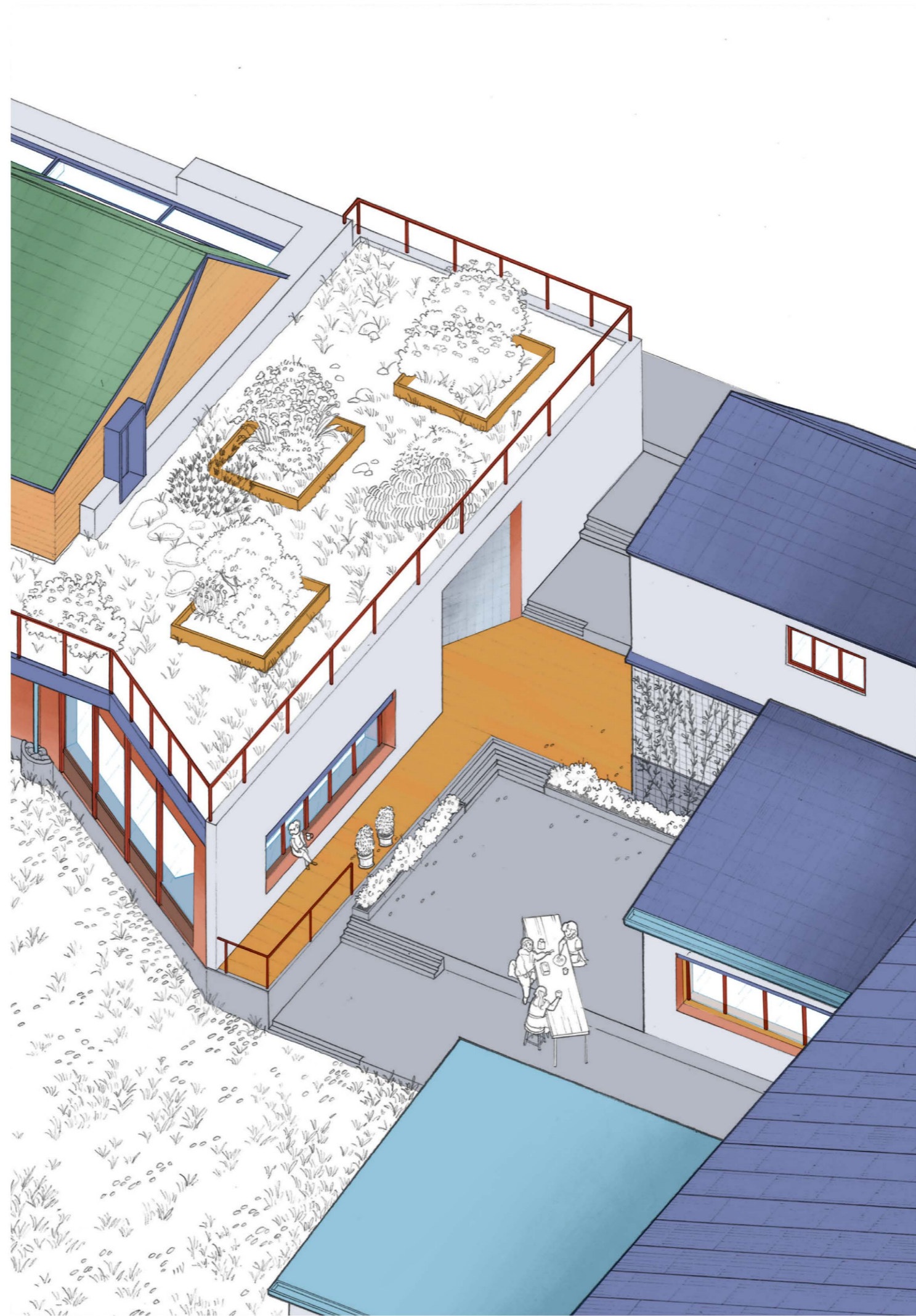
**The Library**

- 01 Outdoor Deck
- 02 Library Cafe
- 03 WC
- 04 Ambulant WC
- 05 Storage
- 06 Library
- 07 Study
- 08 Stairs to Studios
- 09 Pocket Garden





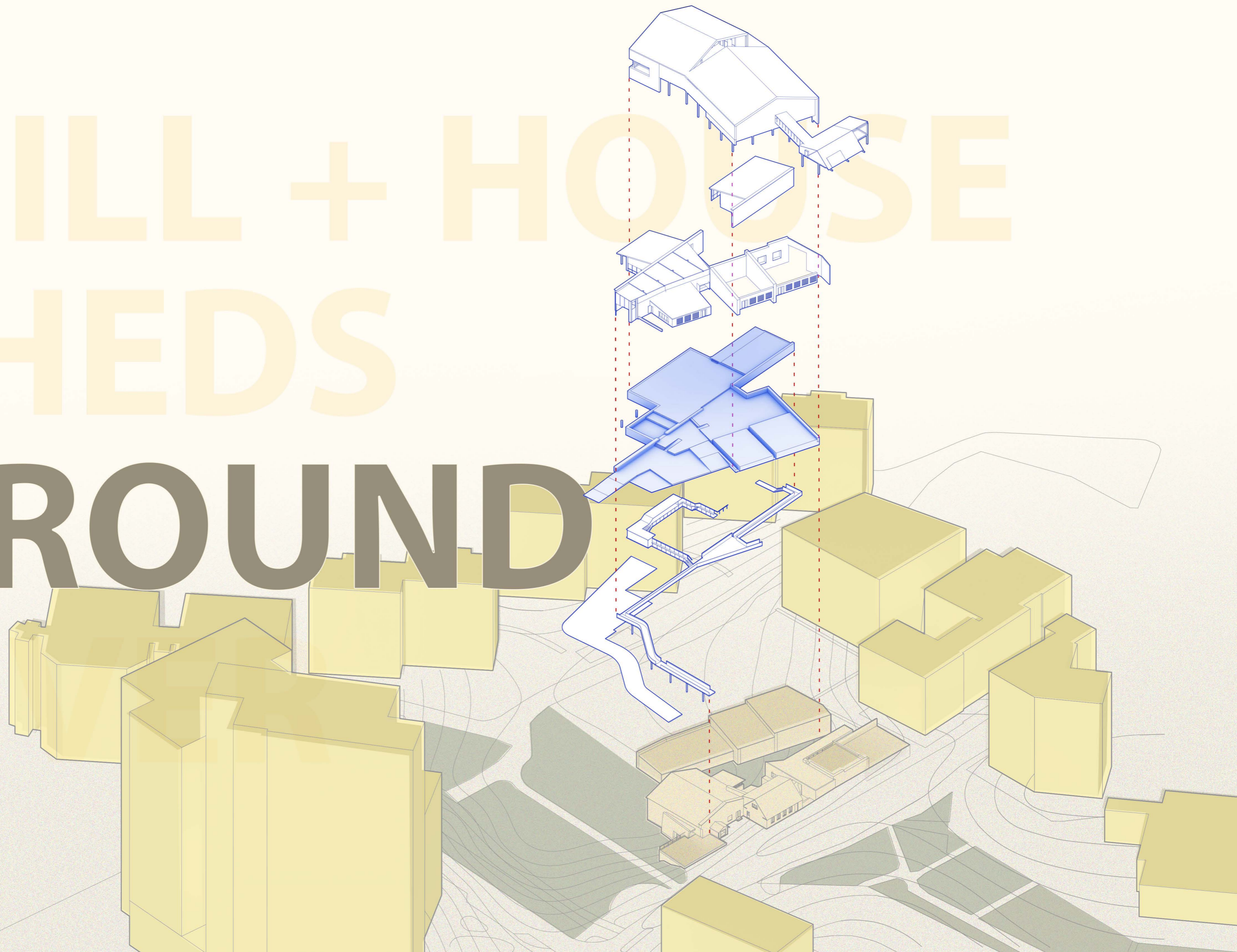


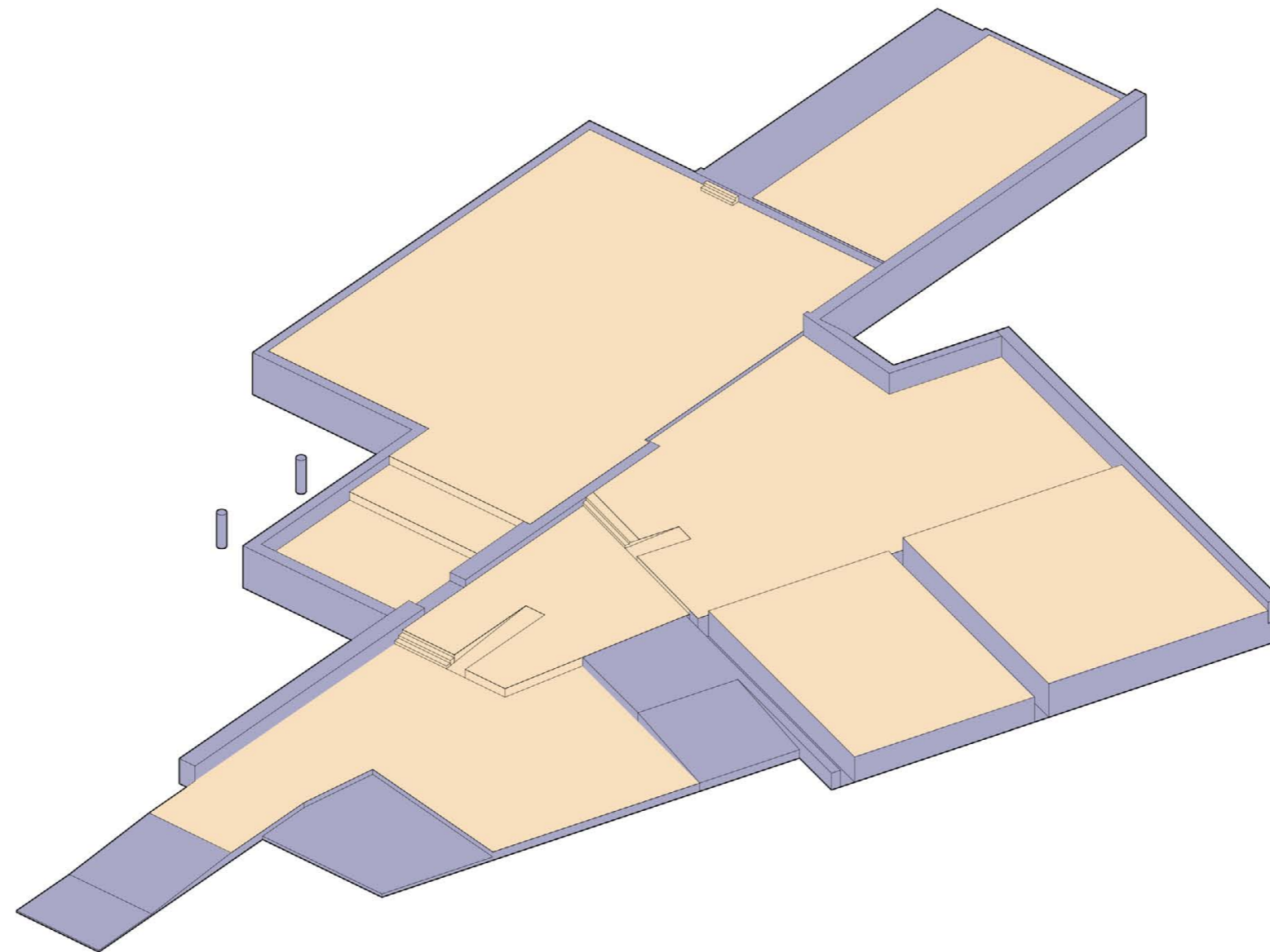


MILL + HOUSE

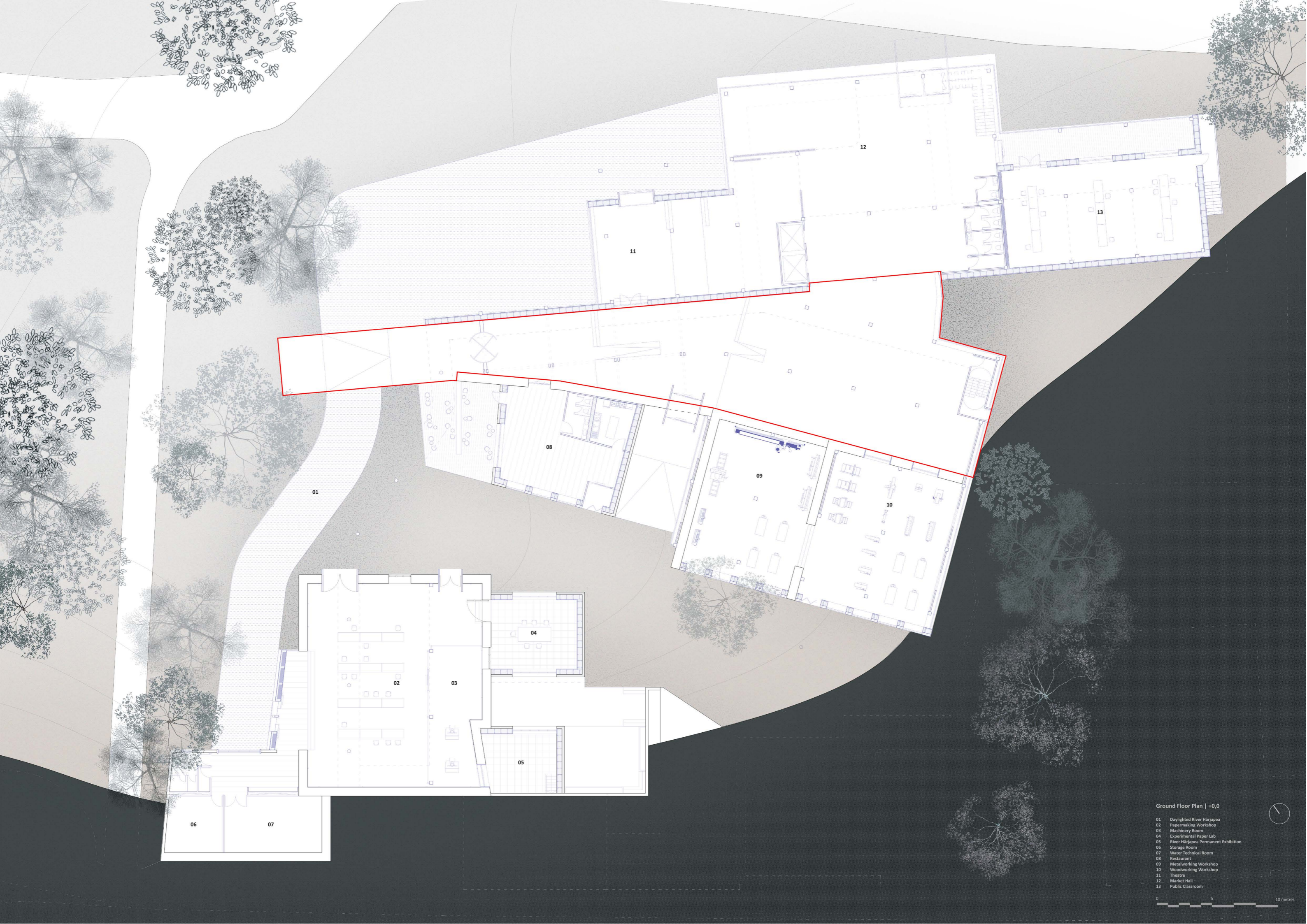
SHEDS

GROUND





**steps**

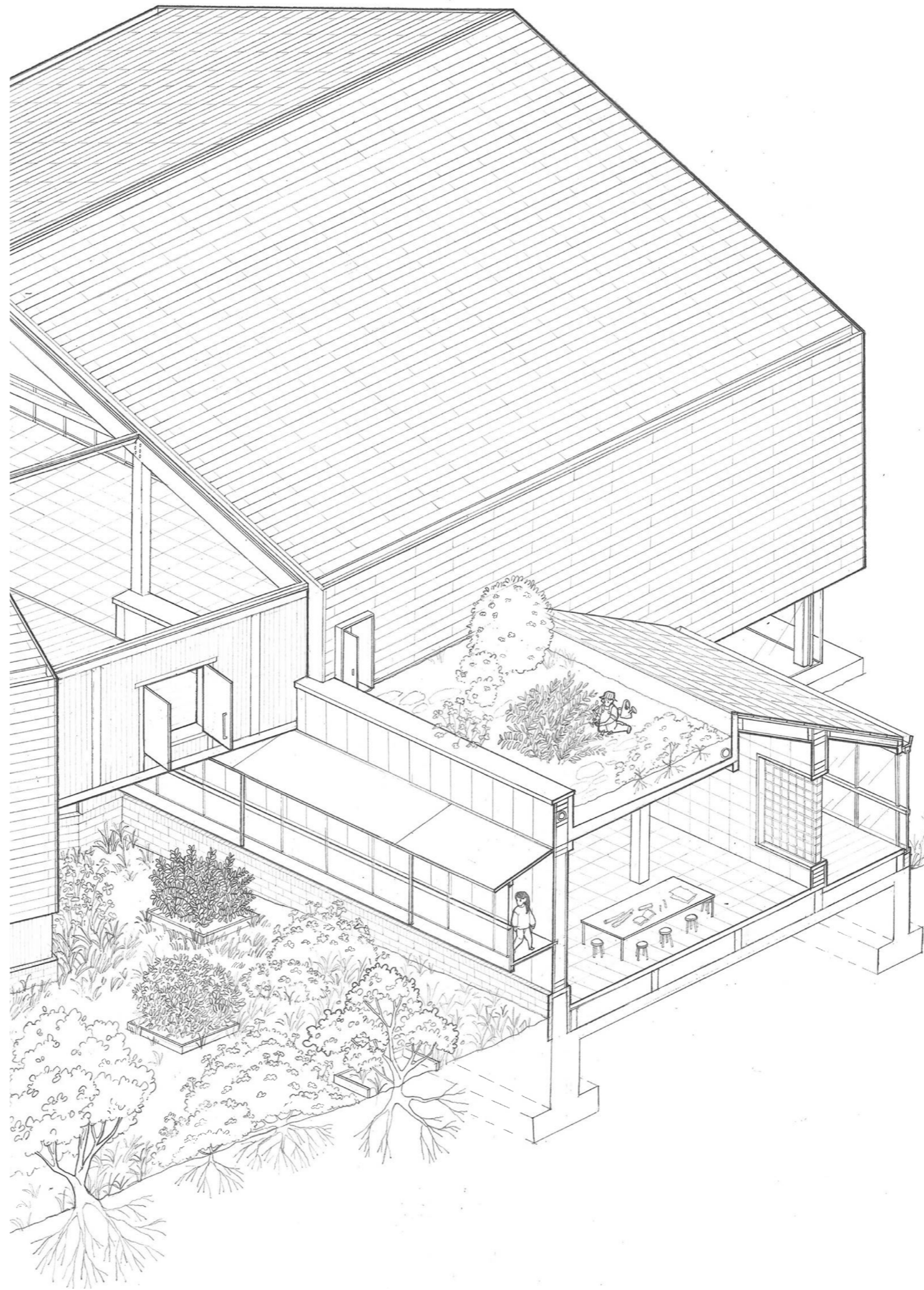


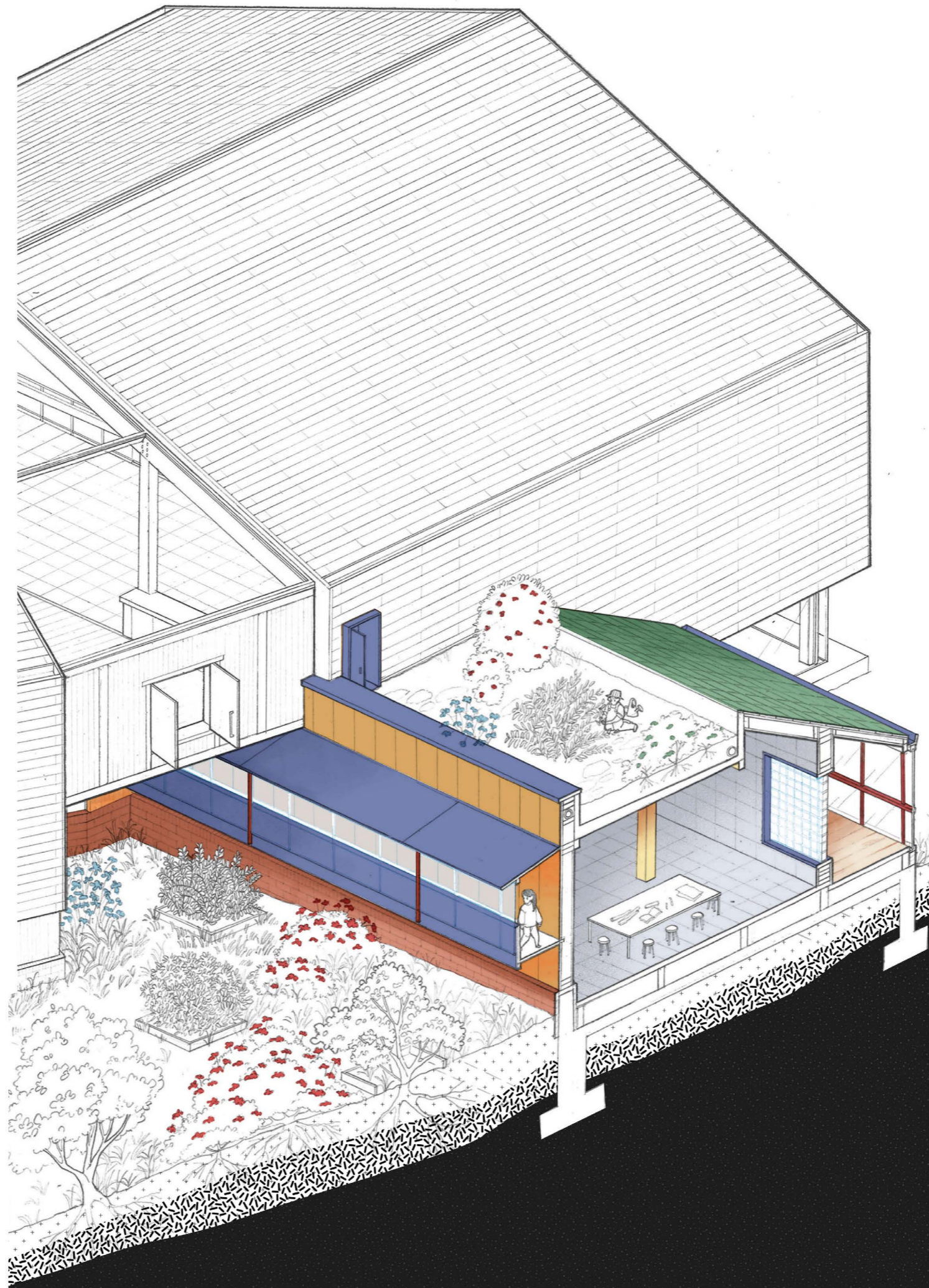
Ground Floor Plan | +0,0

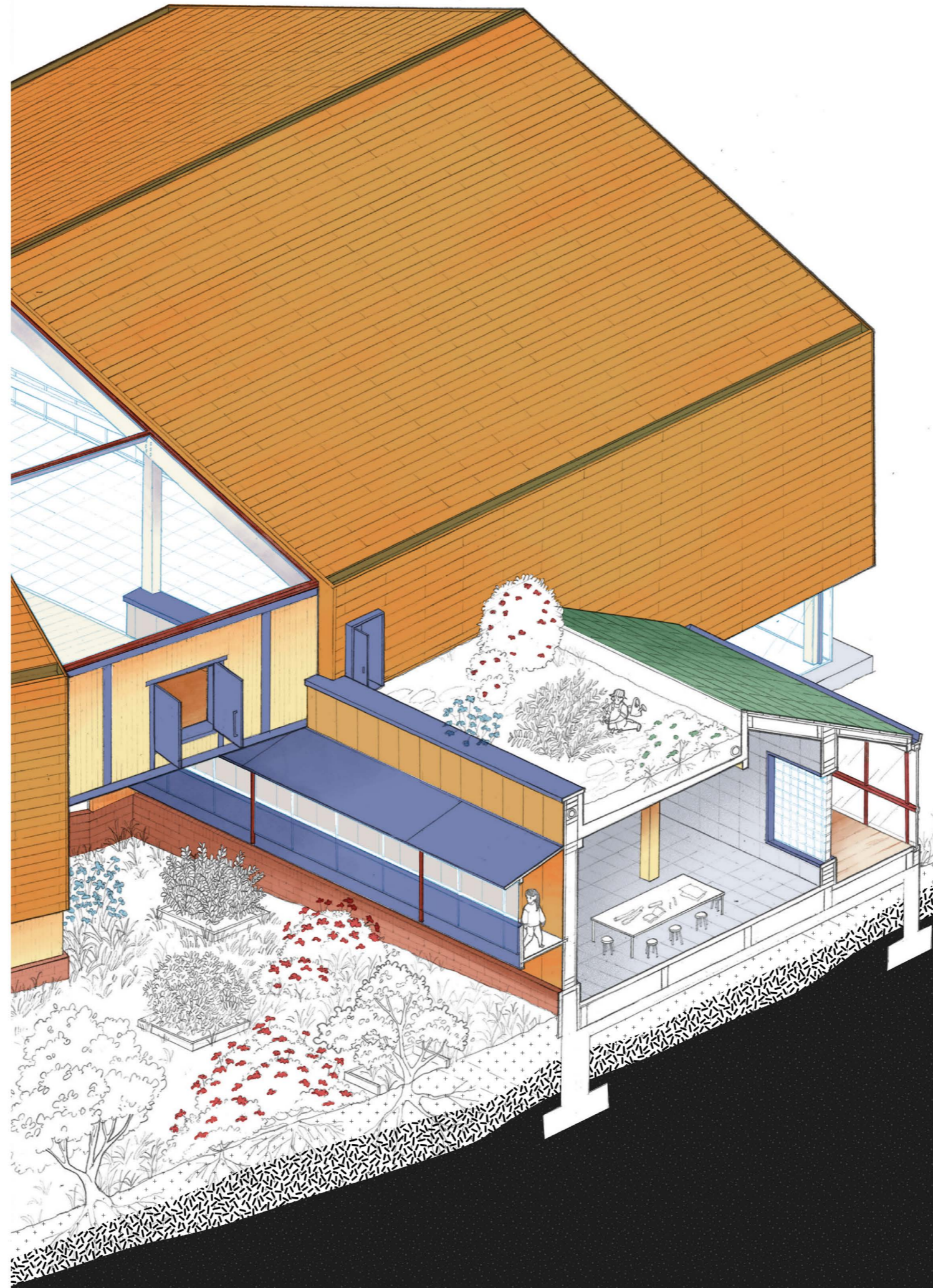
- 01 Daylighted River Härjapea
- 02 Papermaking Workshop
- 03 Machinery Room
- 04 Experimental Paper Lab
- 05 River Härjapea Permanent Exhibition
- 06 Storage Room
- 07 Water Technical Room
- 08 Restaurant
- 09 Metalworking Workshop
- 10 Woodworking Workshop
- 11 Theatre
- 12 Market Hall
- 13 Public Classroom









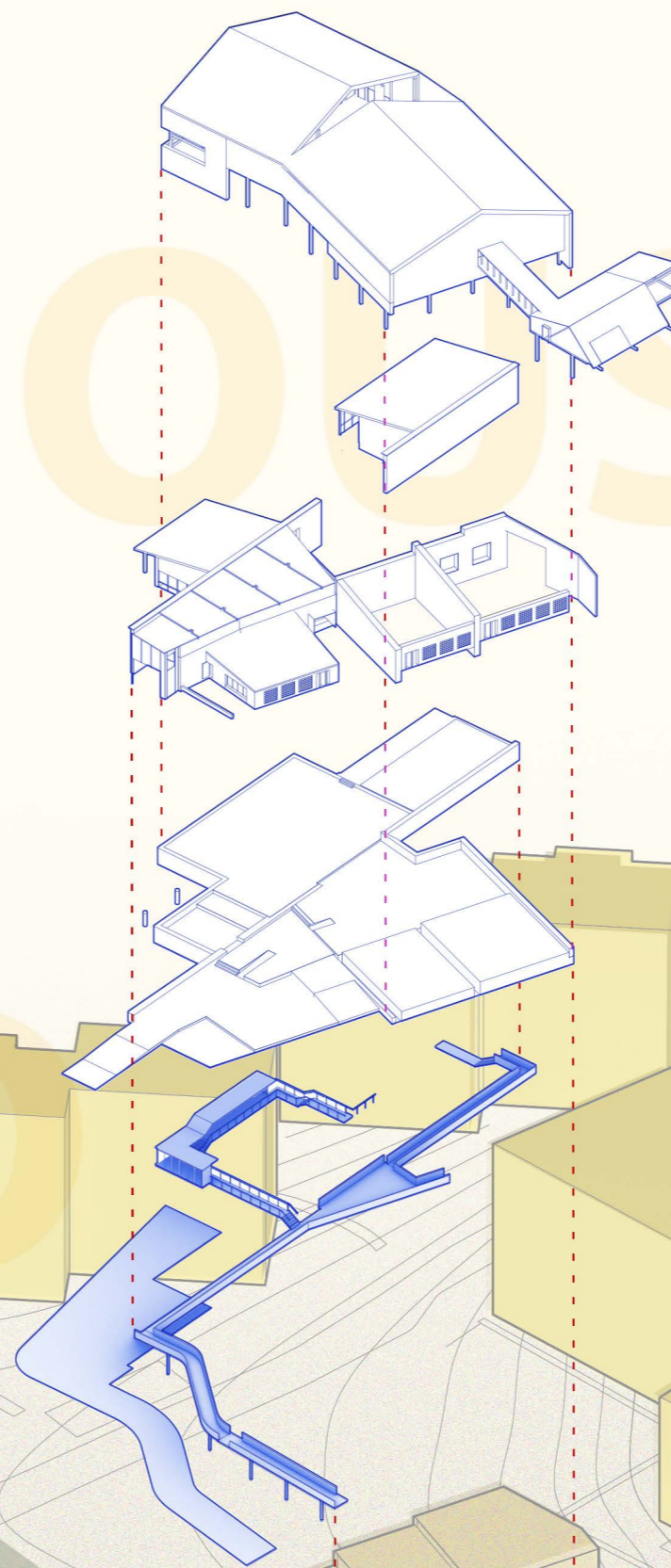


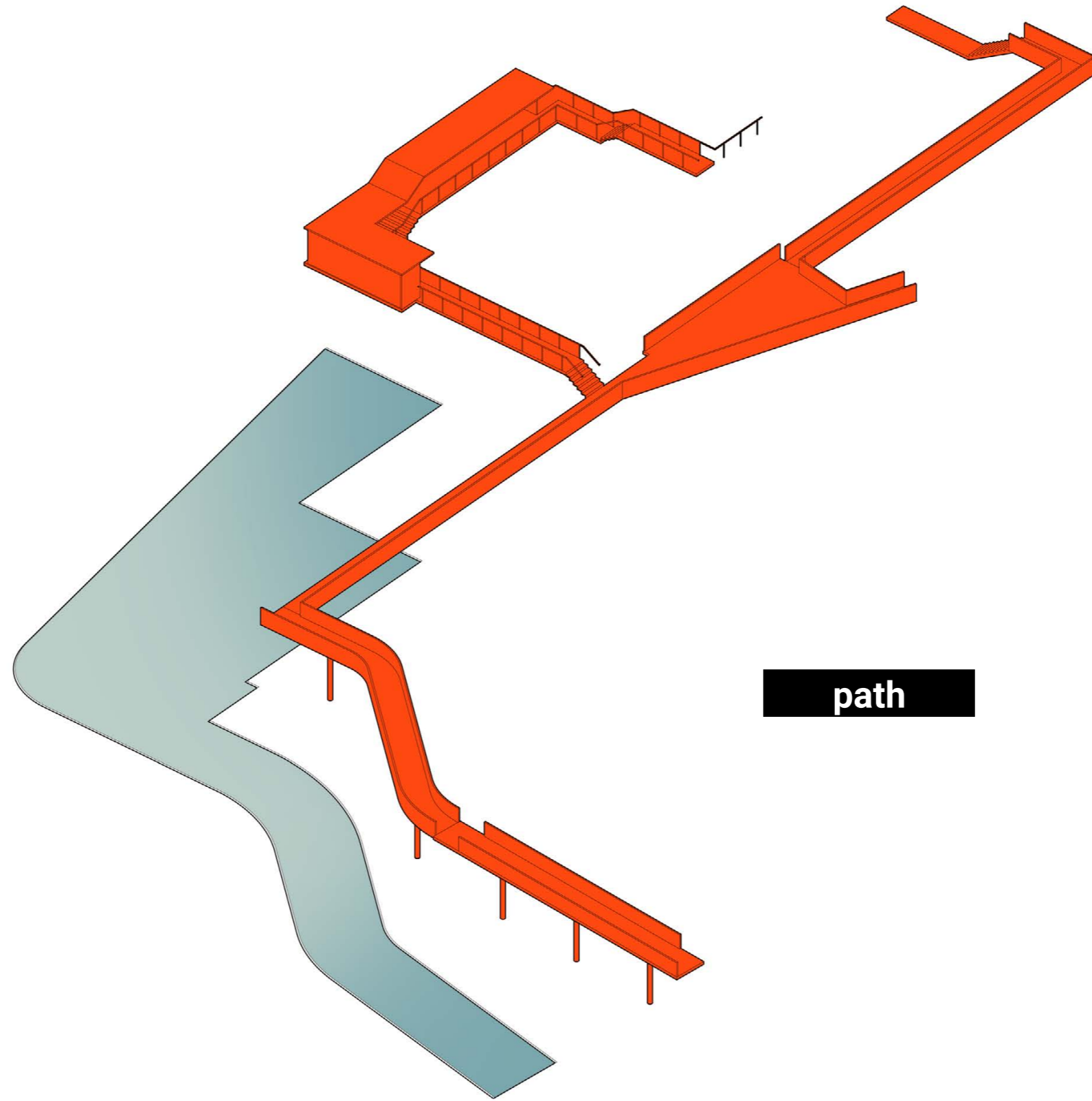
MILL + HOUSE

SHEDS

GROUNDS

RIVER





**path**



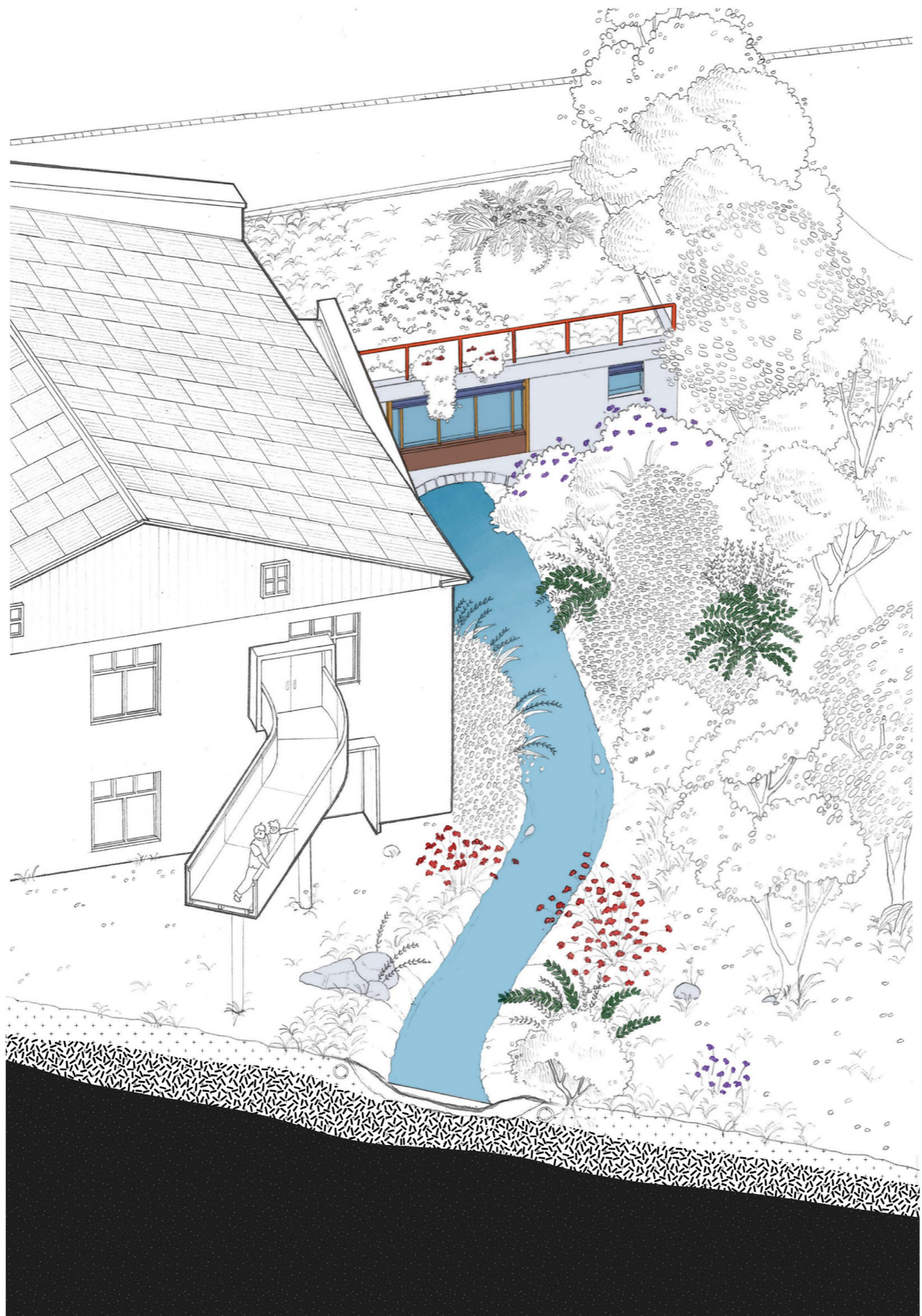
First Floor Plan | +4,000

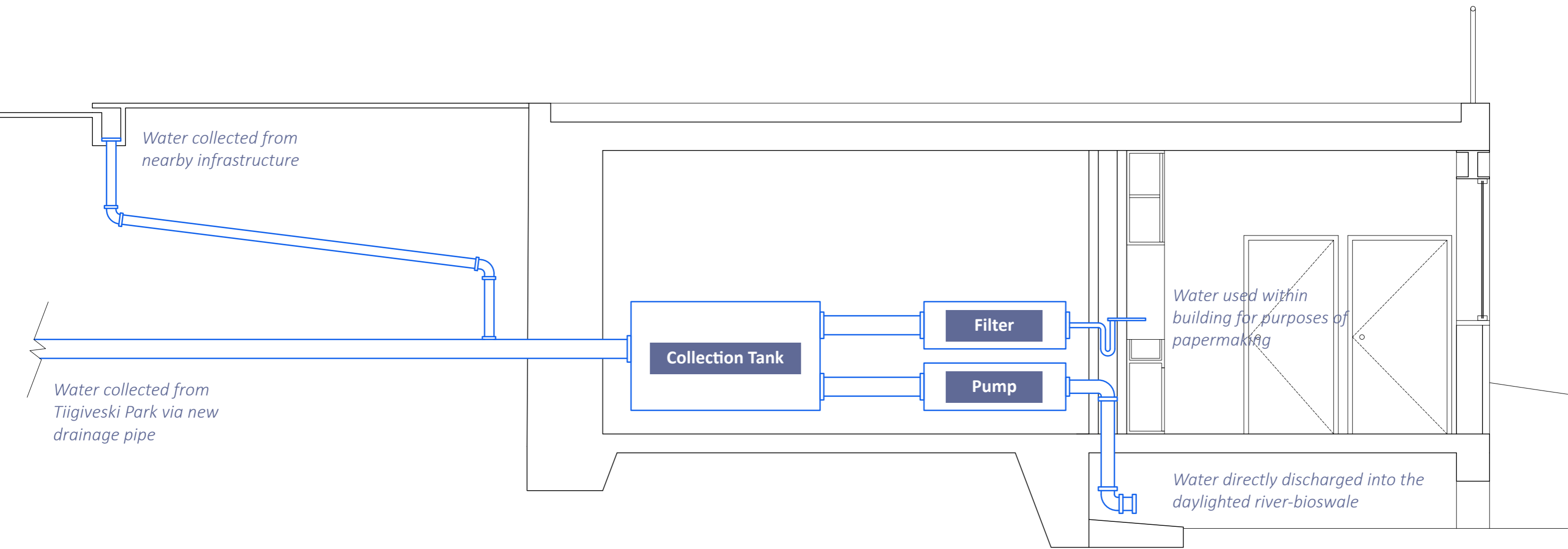
- 01 Walkway
- 02 River Härjåpea Permanent Exhibition
- 03 Library Cafe
- 04 Library
- 05 Study
- 06 Pocket Garden

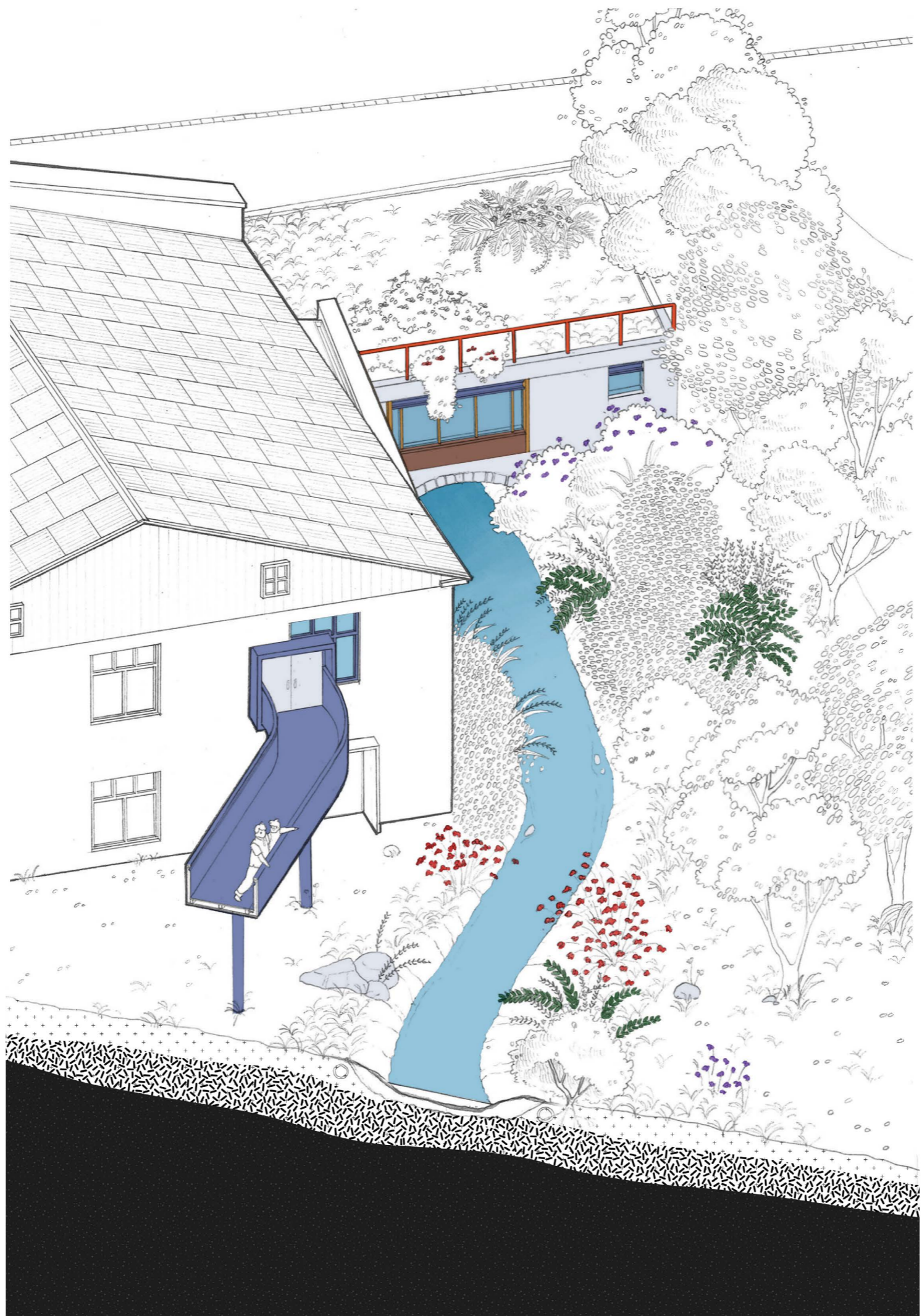
0 5 10 metres

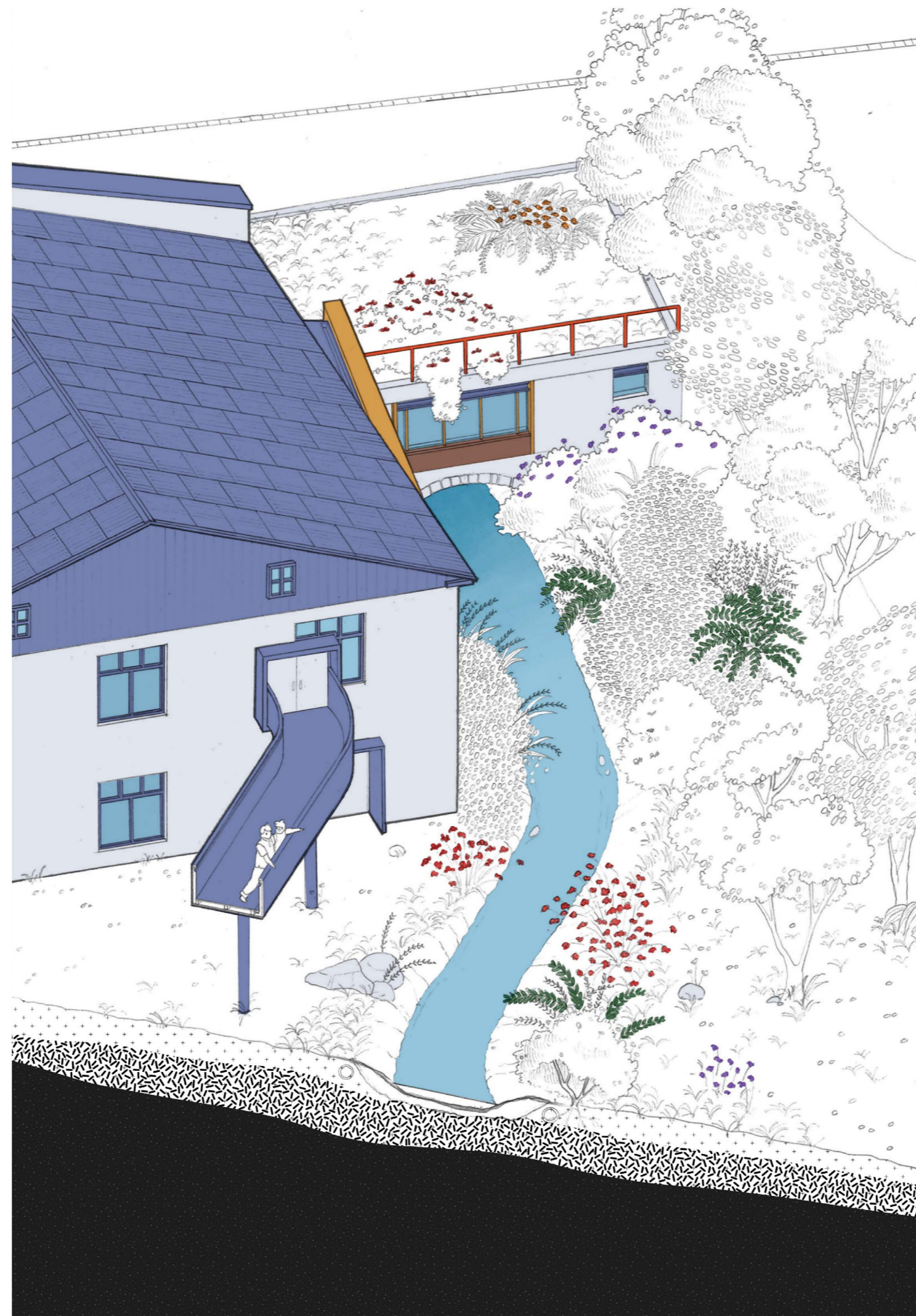






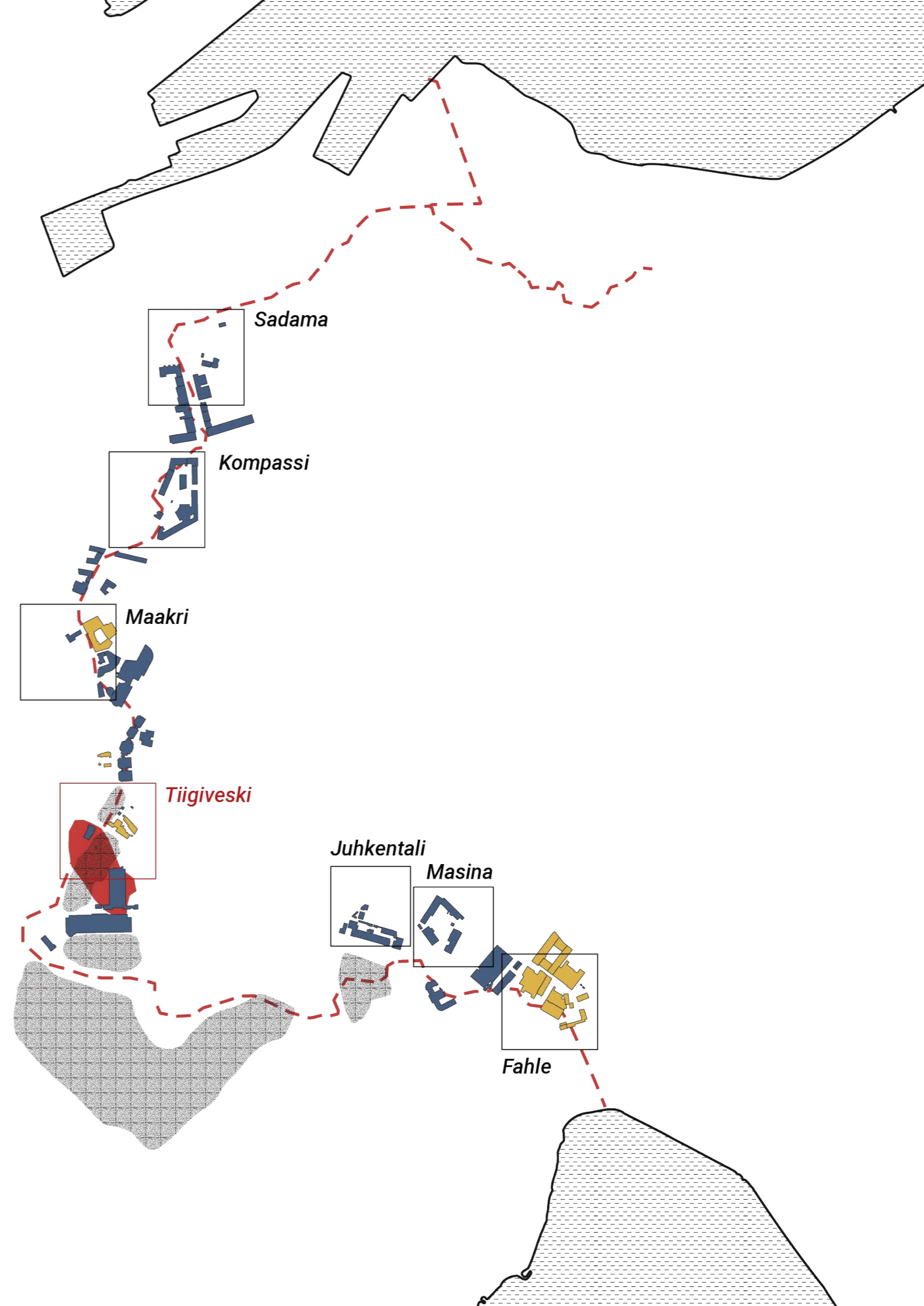












Sadama

Kompassi

Maakri

Tiigiveski

Juhkentali

Masina

Fahle

DarylN Sia  
6217044

# The River and Its Industrial Ghosts

Tallinn, Estonia

A Matter of Scale  
*Methods of Analysis and Imagination*

