

Mezaràt in the Spotlight

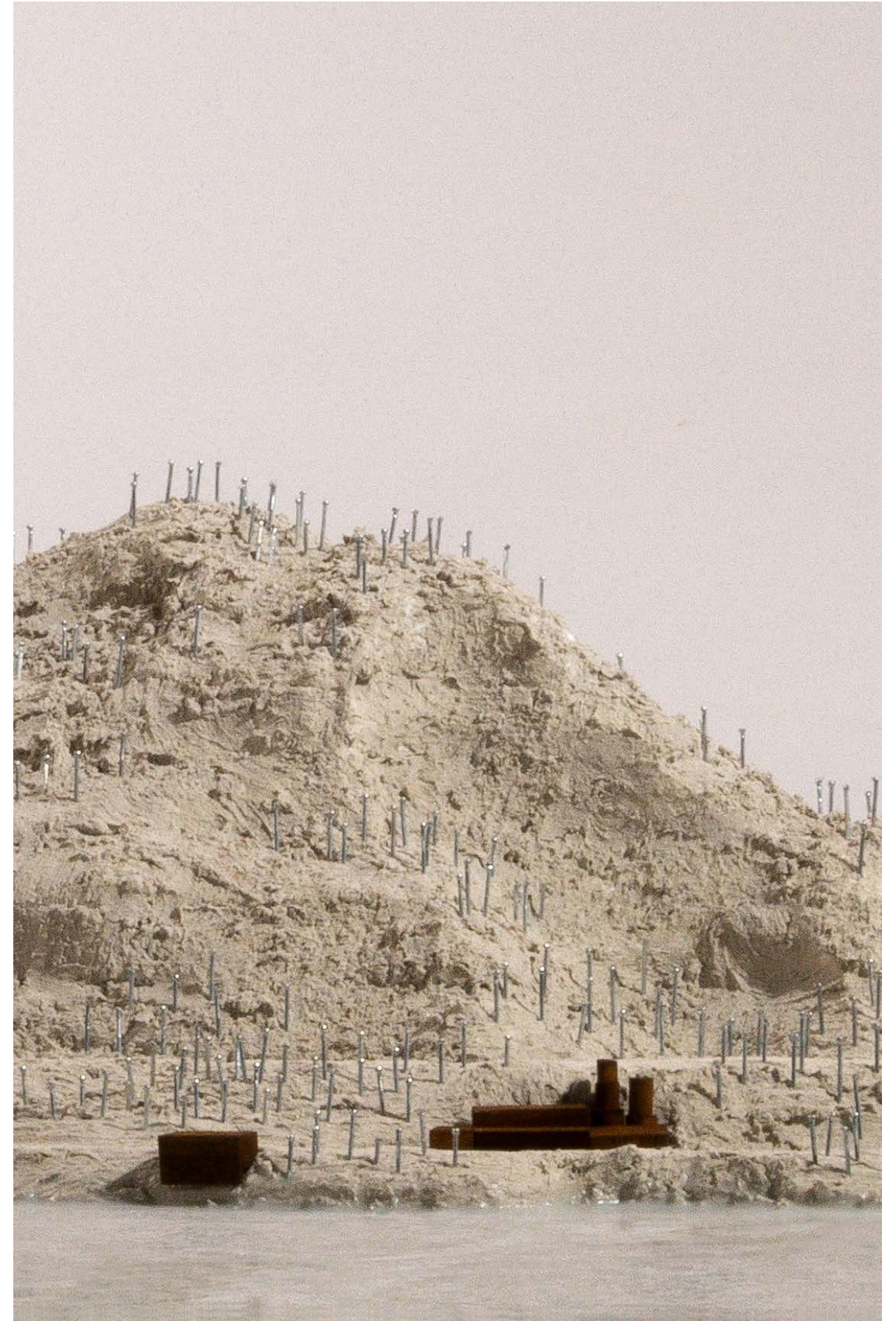
Caldè Lime Furnaces, Lago Maggiore, Italy



Technische Universiteit Delft Faculty of Architecture and the Built Environment Explore Lab Accademic year 24-25

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Introduction



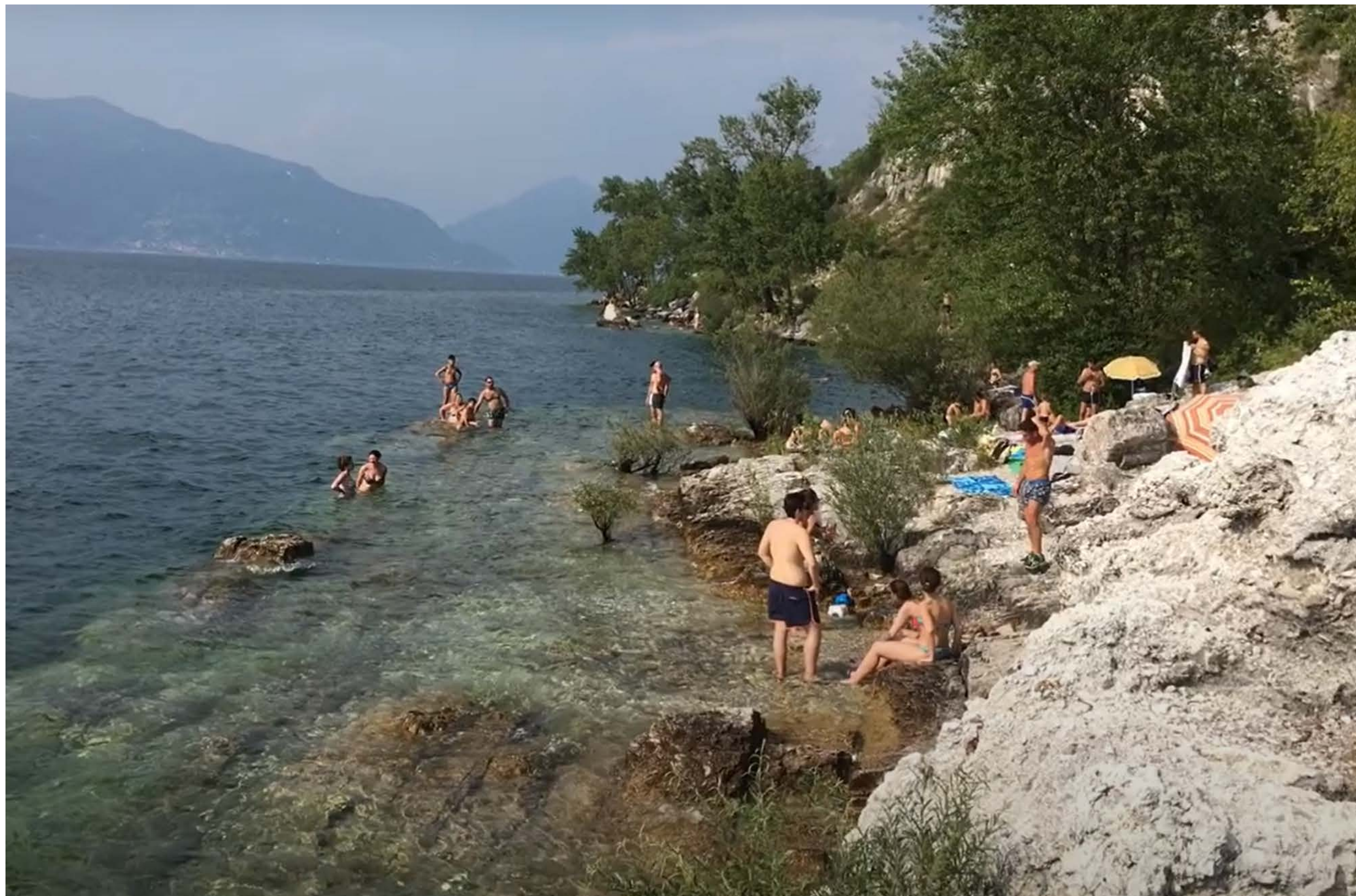


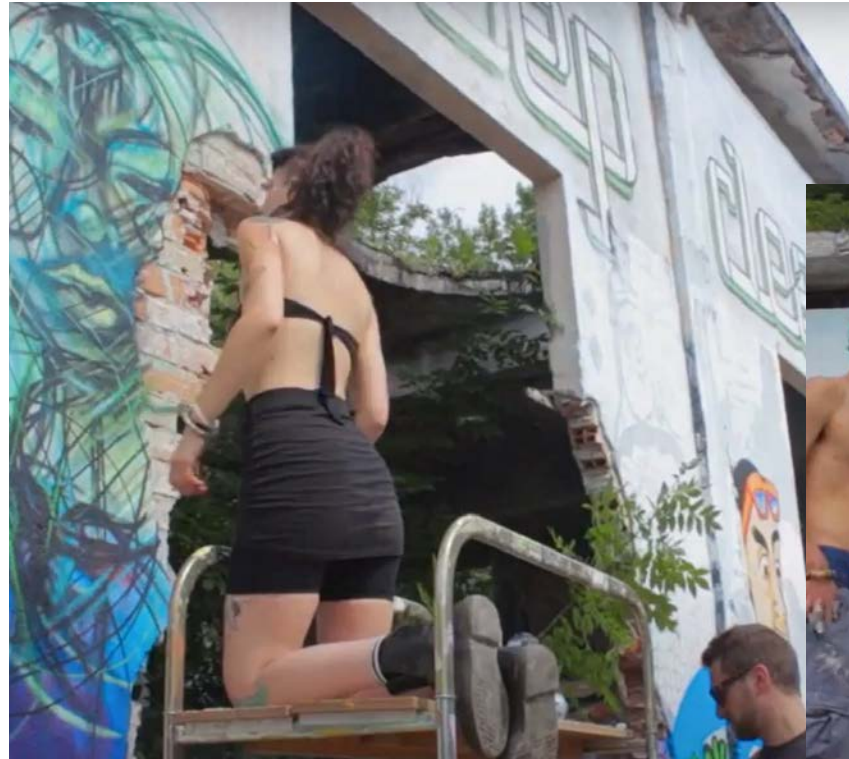


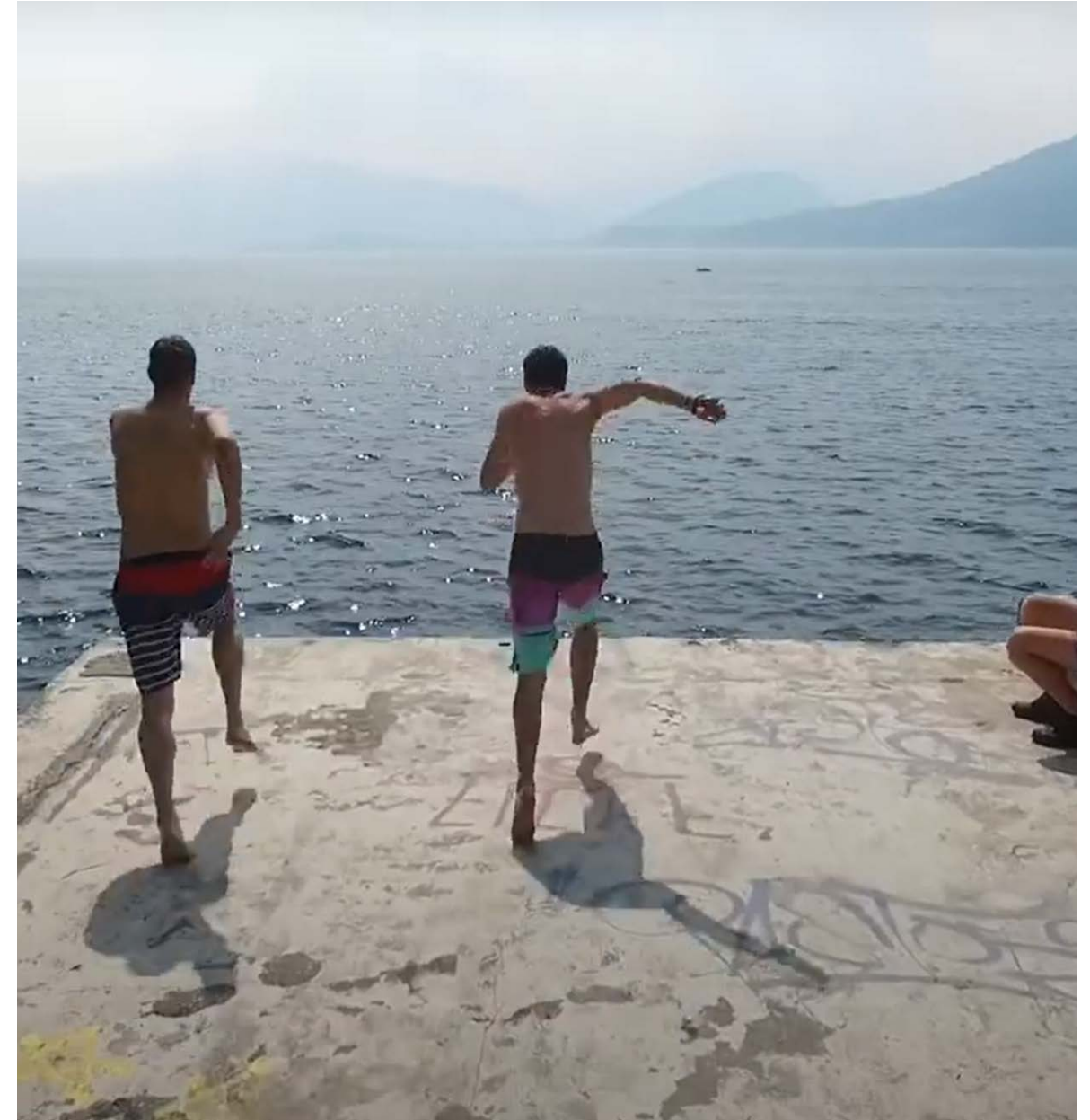














Varese, vanno a fare il bagno alle vecchie fornaci di Caldè: cede solaio in cemento, tre minorenni travolti e feriti

I ragazzi di 16 e 17 anni avevano raggiunto assieme a un gruppo di amici la zona inaccessibile dell'ex fornace per tuffarsi nelle acque del Maggiore. Sul posto ambulanze e vigili del fuoco. Ecco cos'è successo



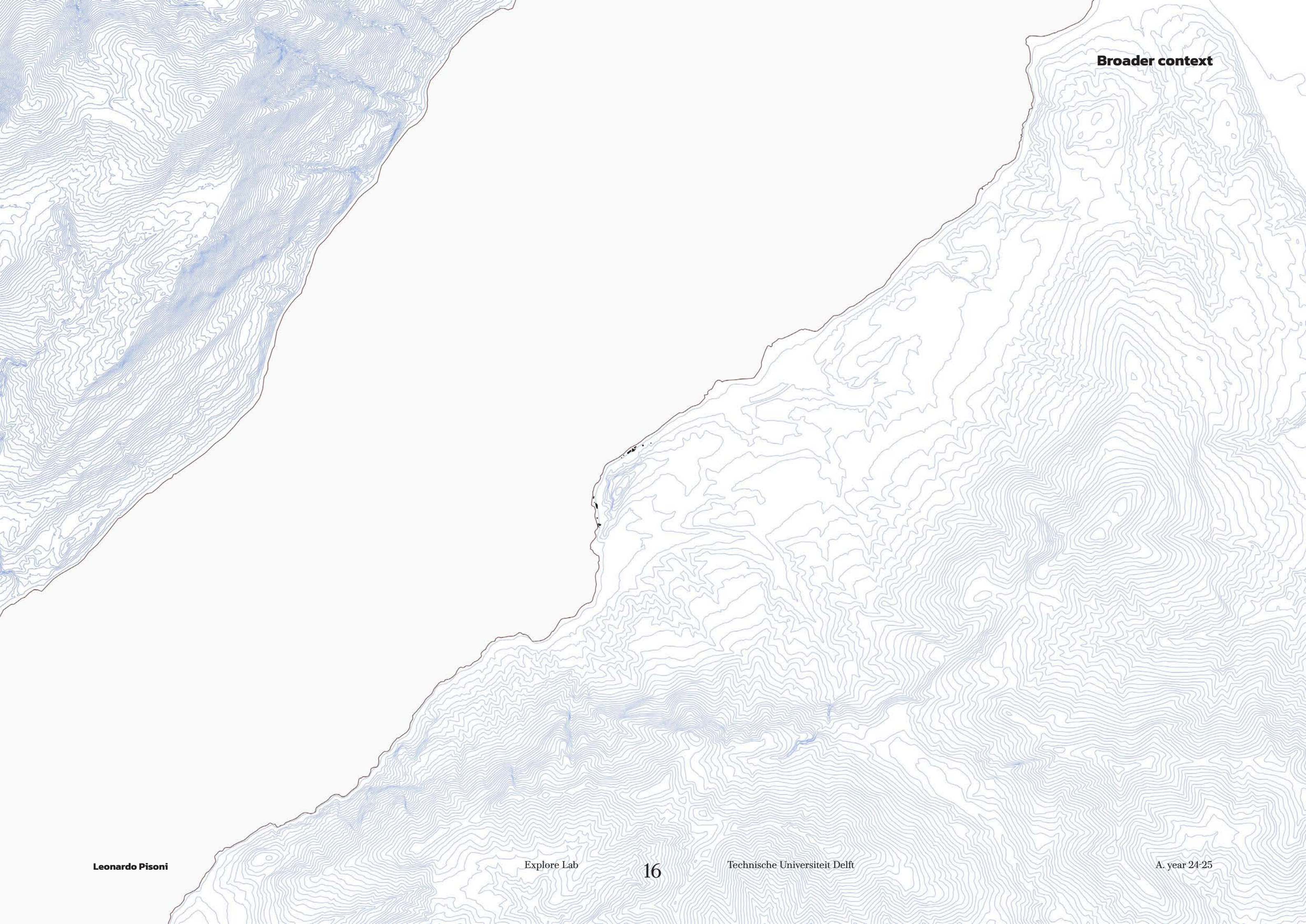
Broader context



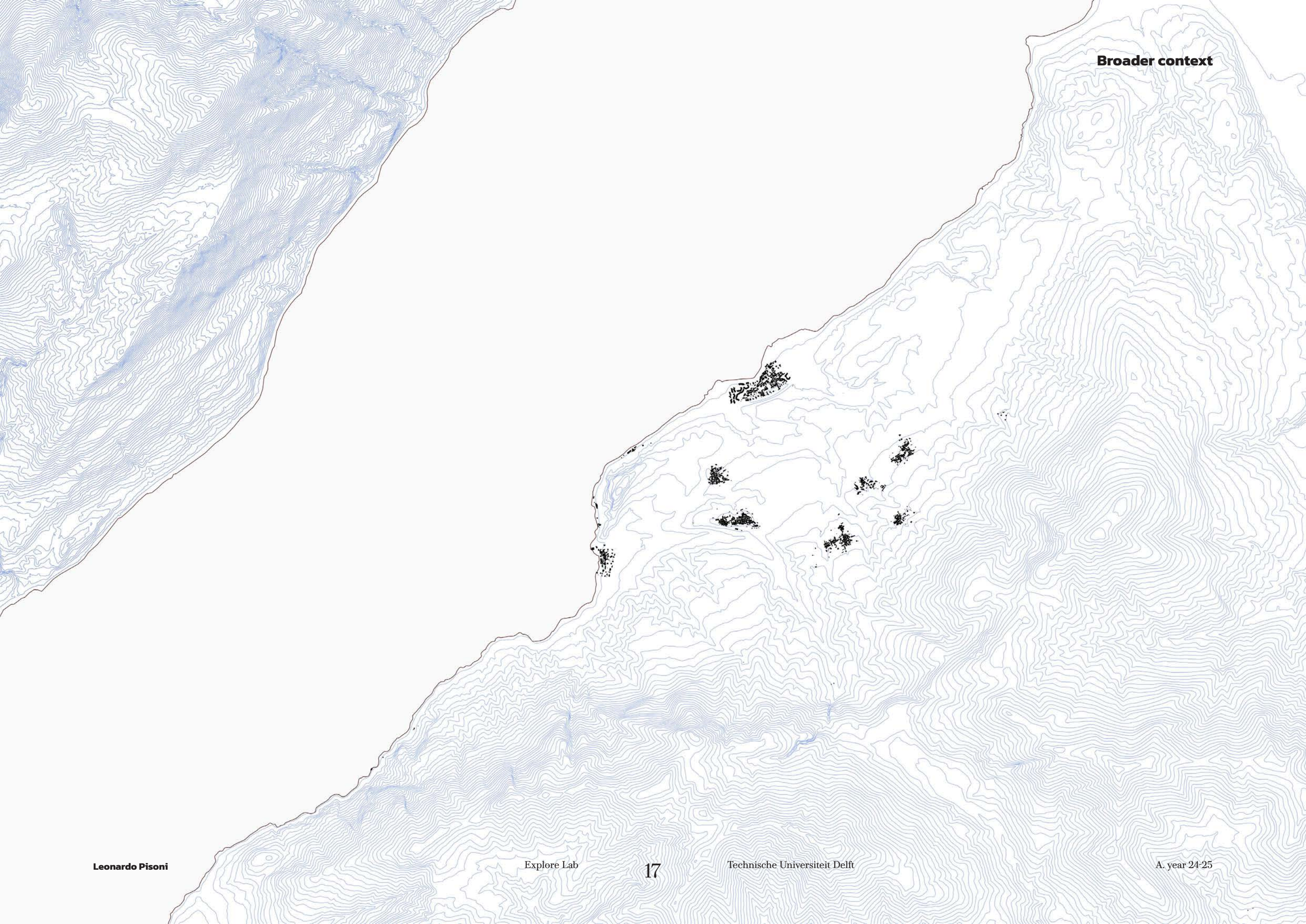


Lago Maggiore (VA), Italy

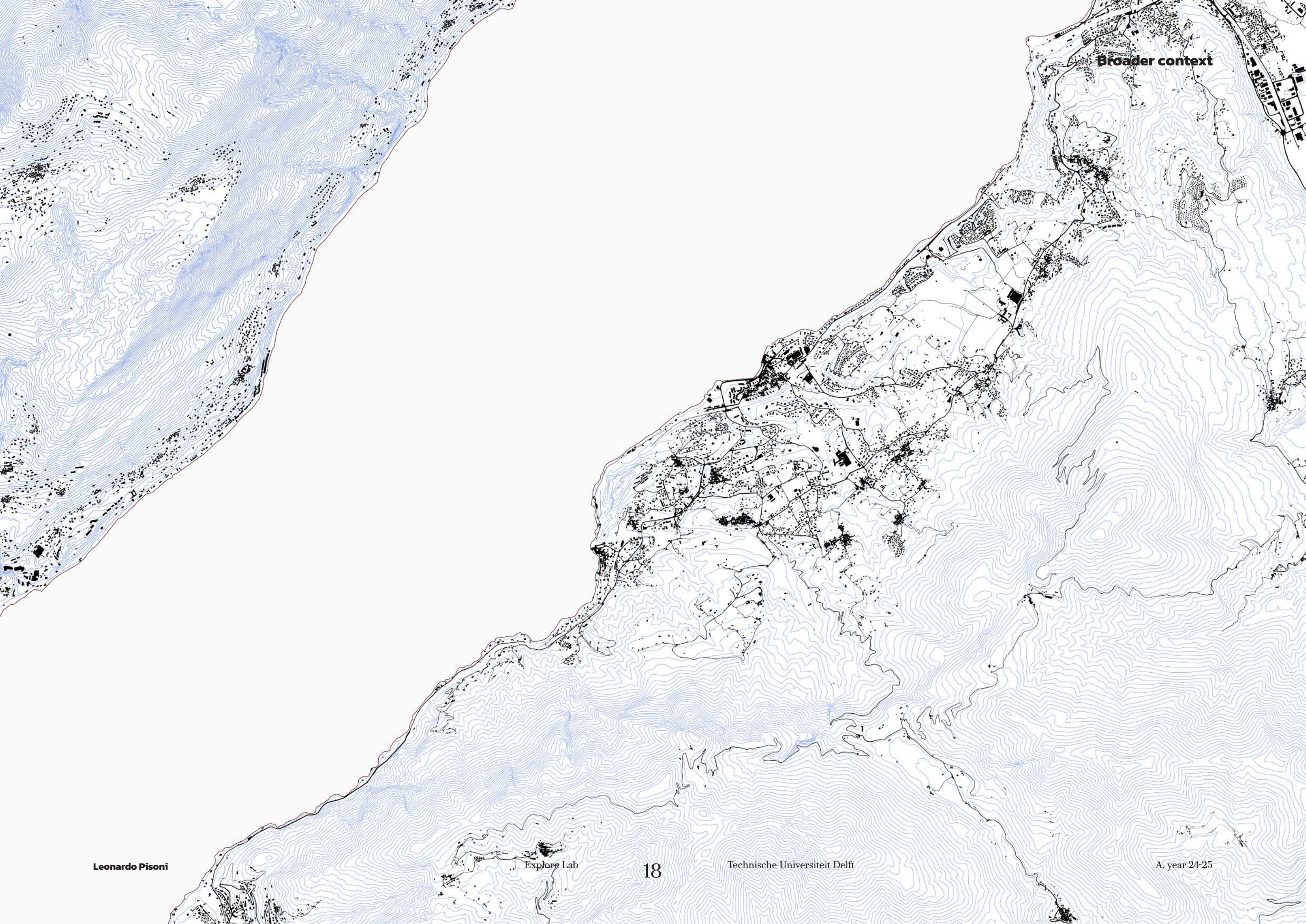




Broader context



Broader context



Broader context

Broader context

1975

Lago Maggiore (VA), Italy right now

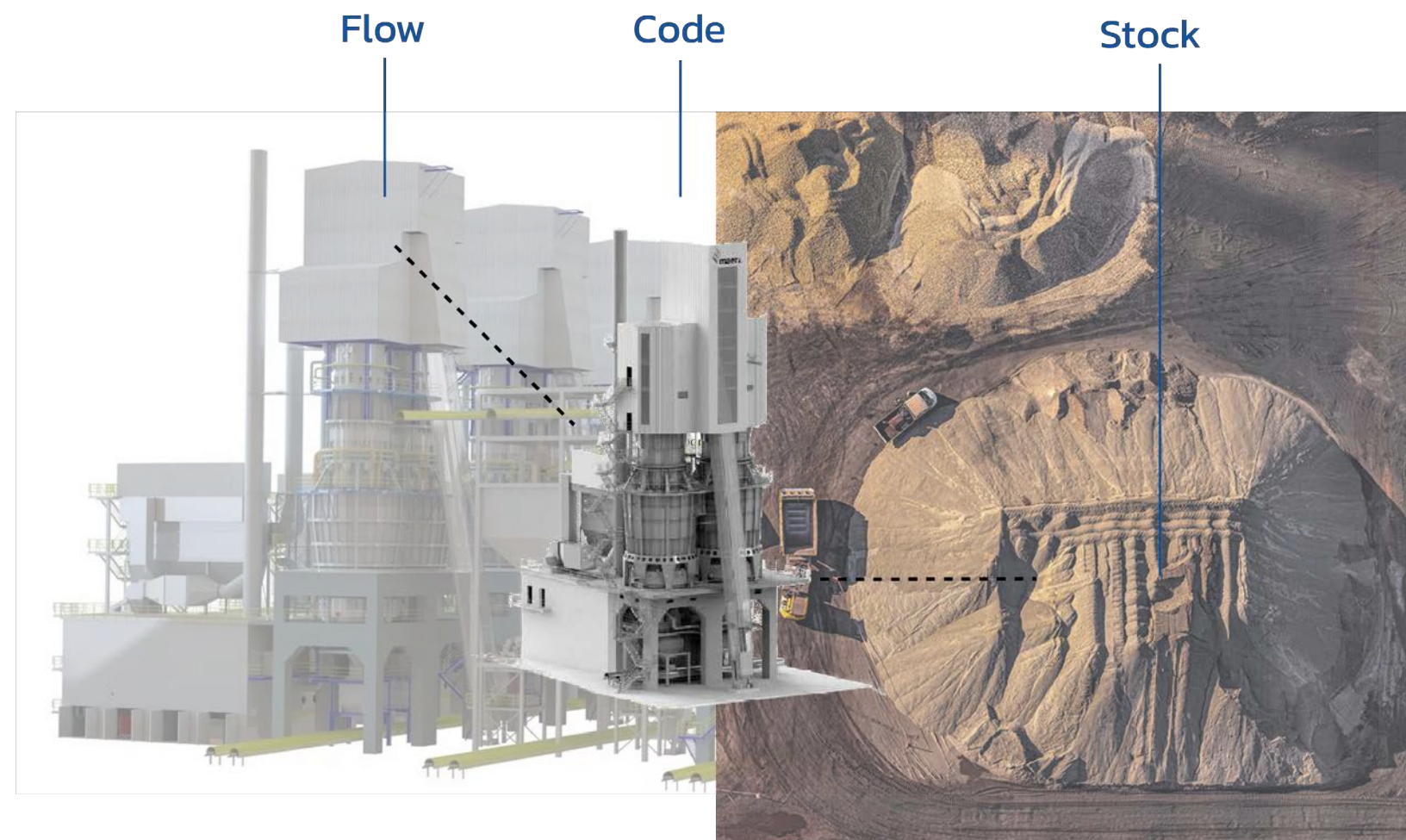


Luxury tourist real estate development



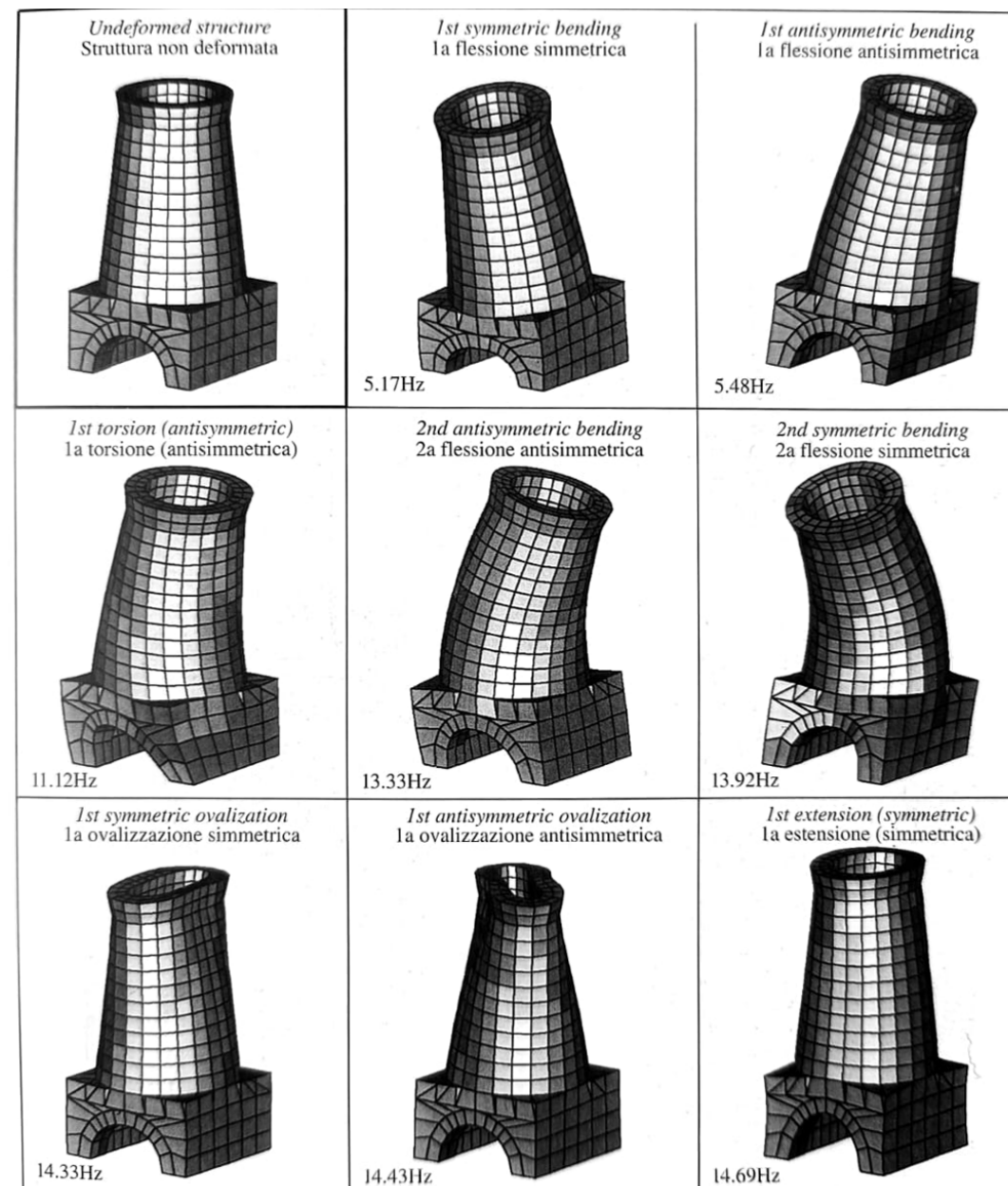
Static old people land





Gilles Deleuze e Félix Guattari, L'Anti-Œdipe, Minuit, 1972

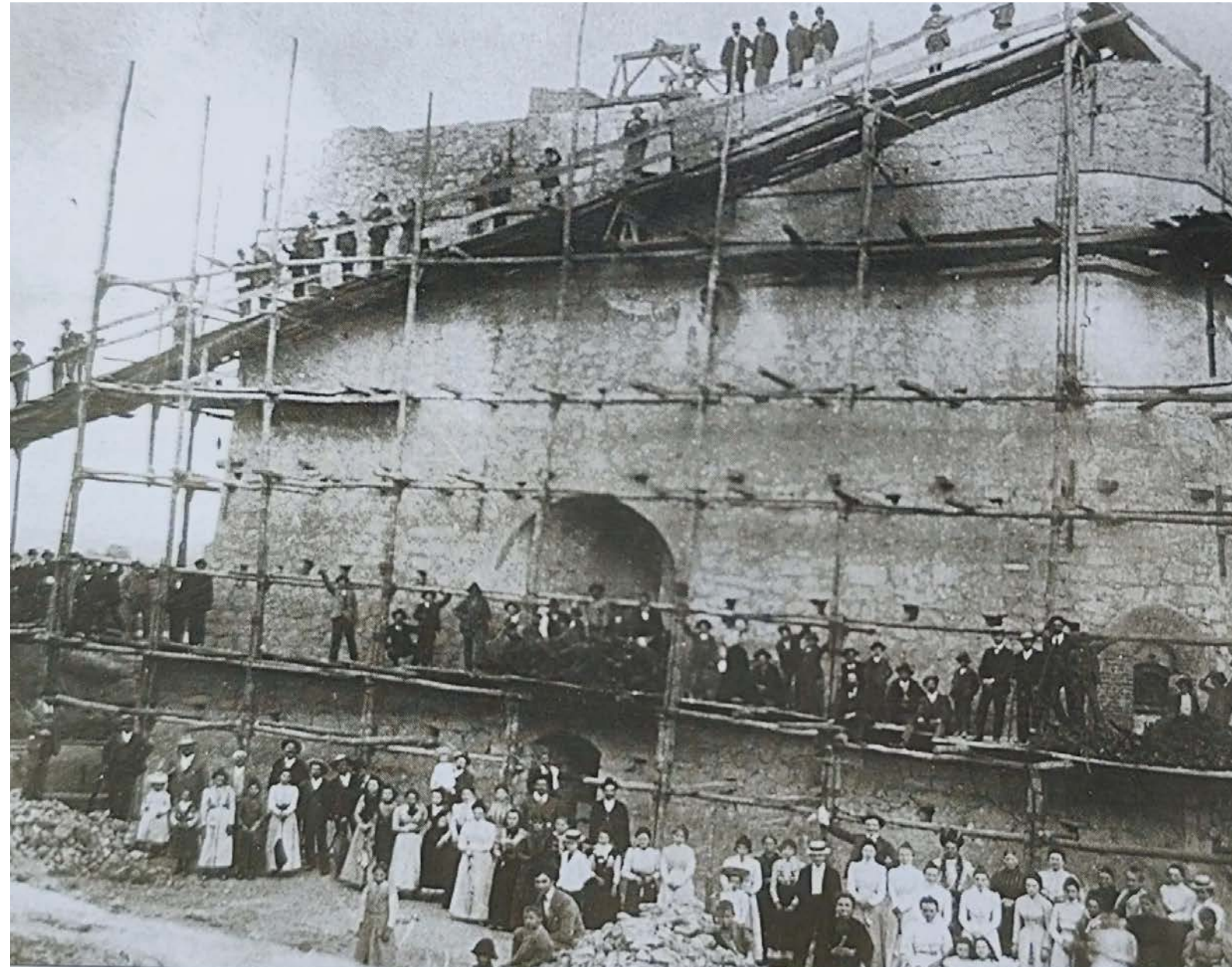
“When is the act of moving matter a transformation of its significance?”



Furnace = A Moving Object

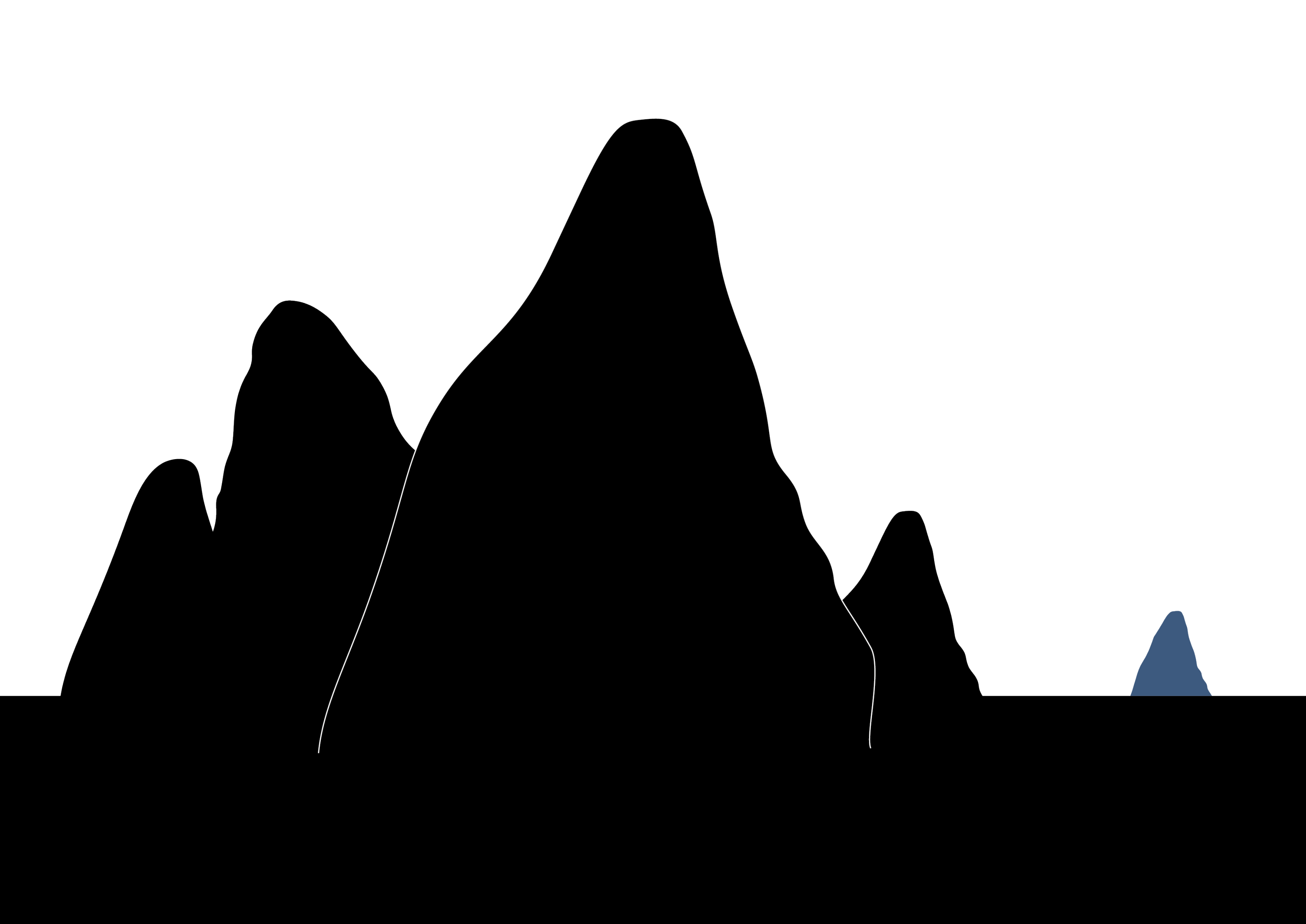


Furnace = A Inhabited Object



Furnace = A Superstructure

**Where should we begin to restart the flows
that have fueled the lake's complex past?**



Mezaràt = half rats = bats
Surname for the night workers
of Porto and Caldé

The furnace was always open

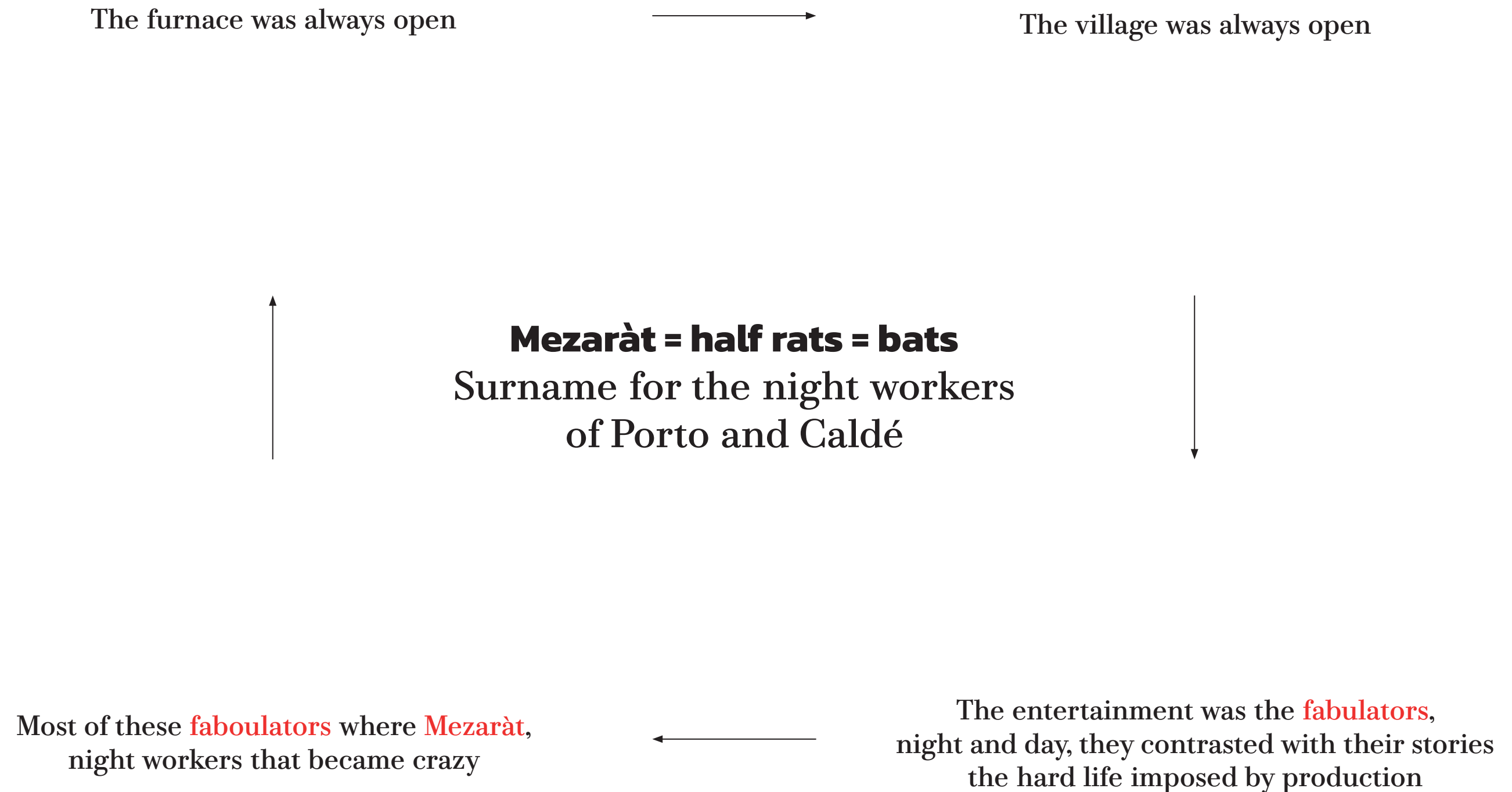


The village was always open

Mezaràt = half rats = bats
Surname for the night workers
of Porto and Caldé



The entertainment was the **fabulators**,
night and day, they contrasted with their stories
the hard life imposed by production



Mezaràt = half rats = bats
=
Production circle of theatrical
experiences

Dario Fo



Nanni Svampa



Piero Chiara



Dario Fo, Drawings



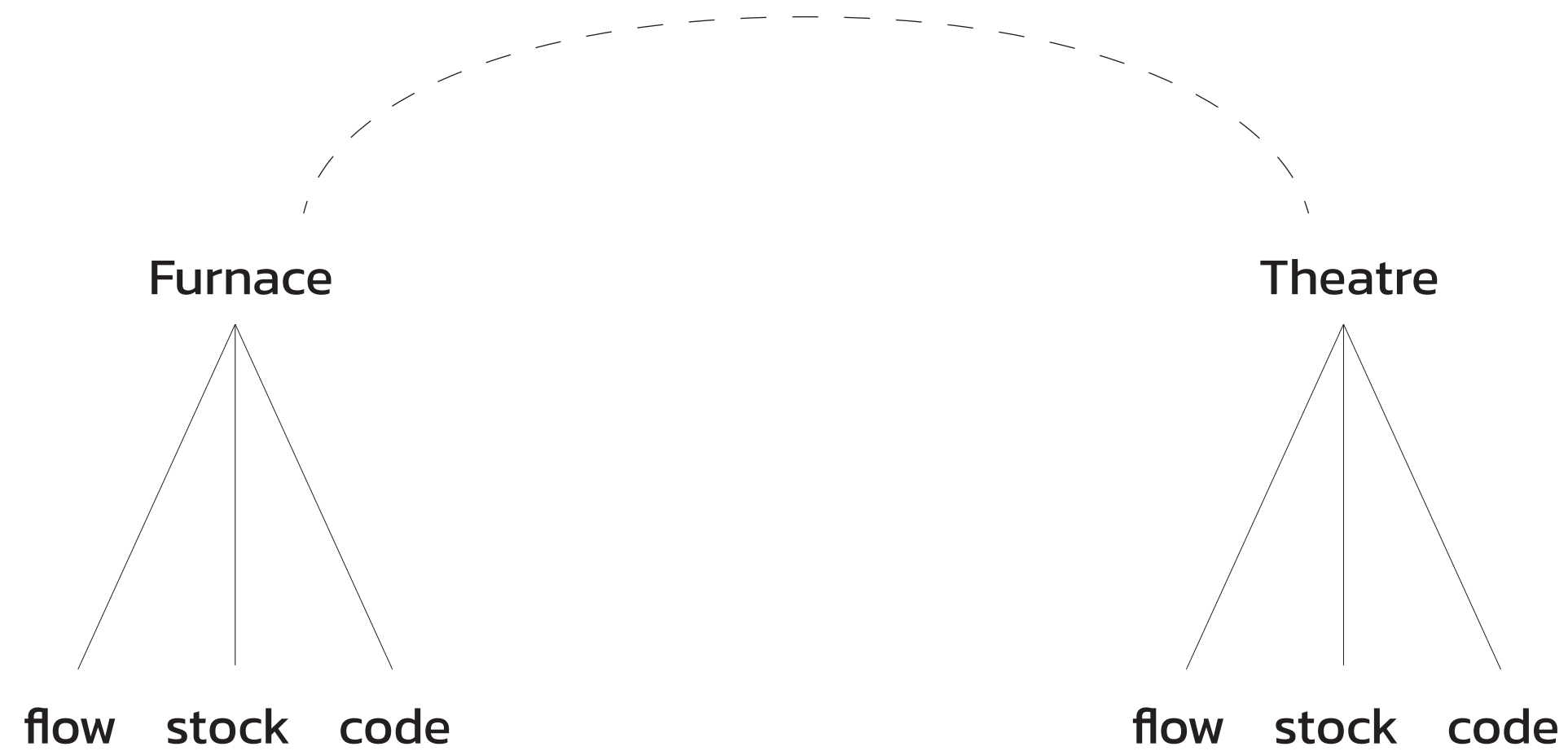
Dario Fo, Drawings



A cultural mound

is a

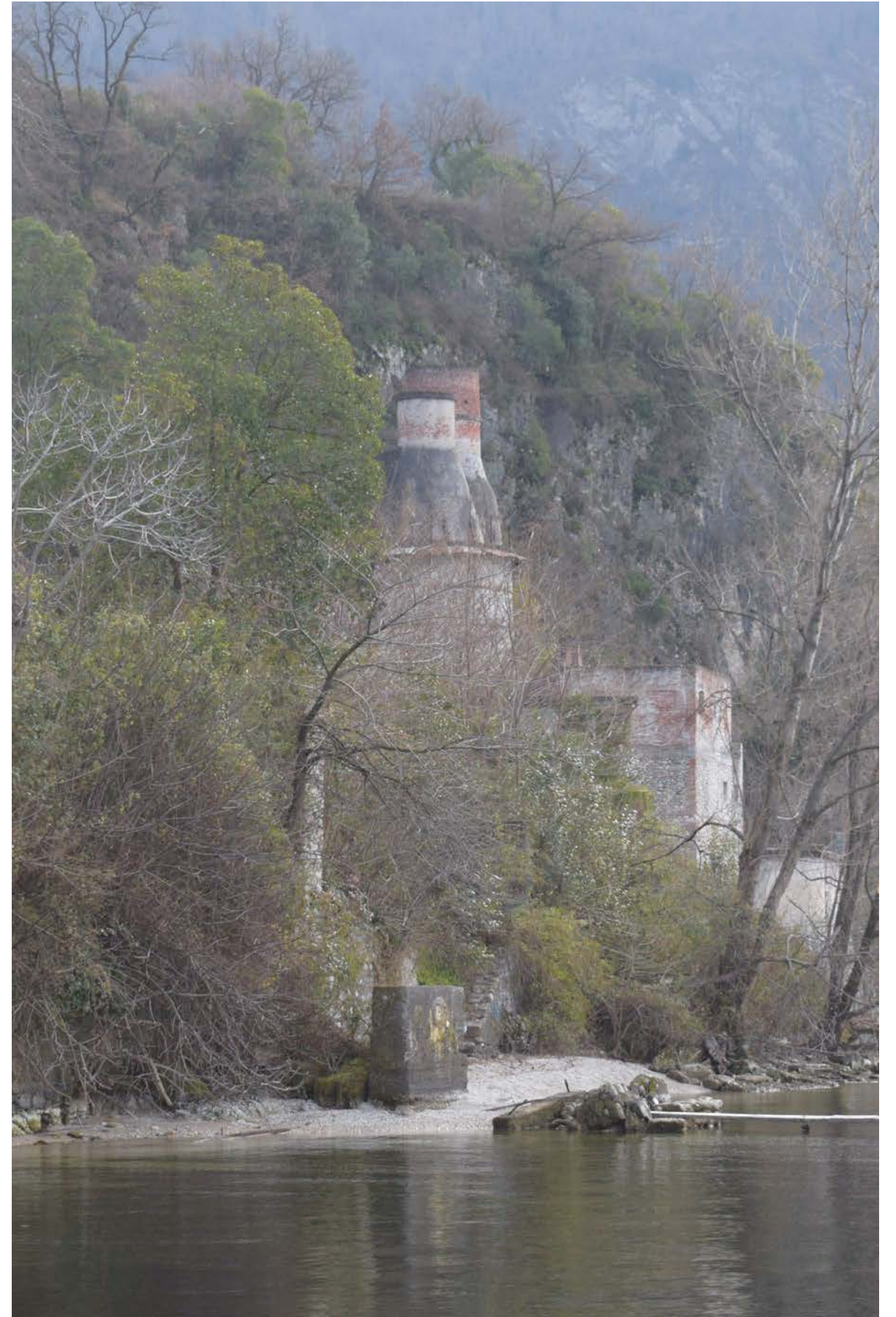
material mound

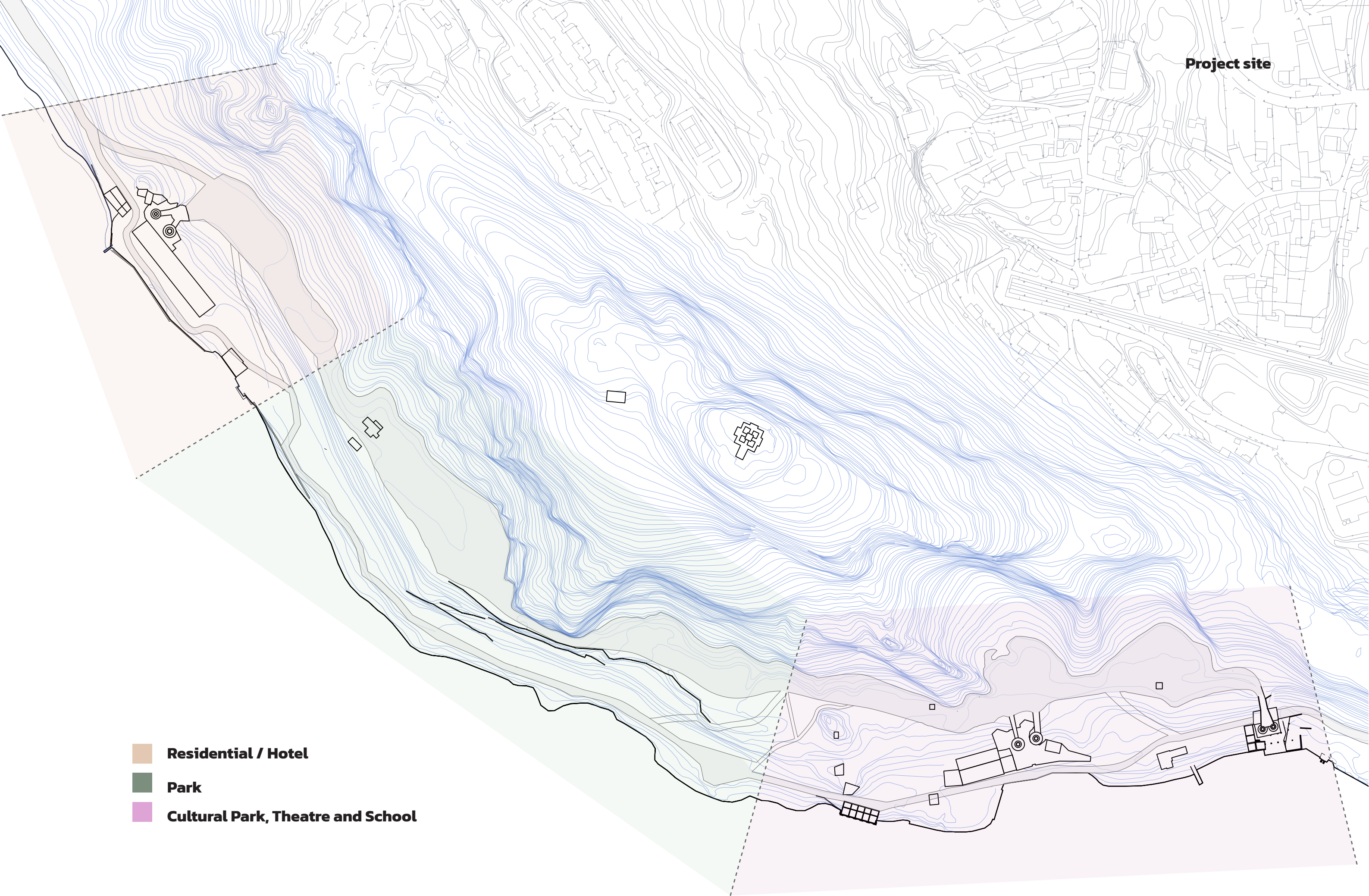




Werner Herzog, Friz Carraldo, , 1982

Project site

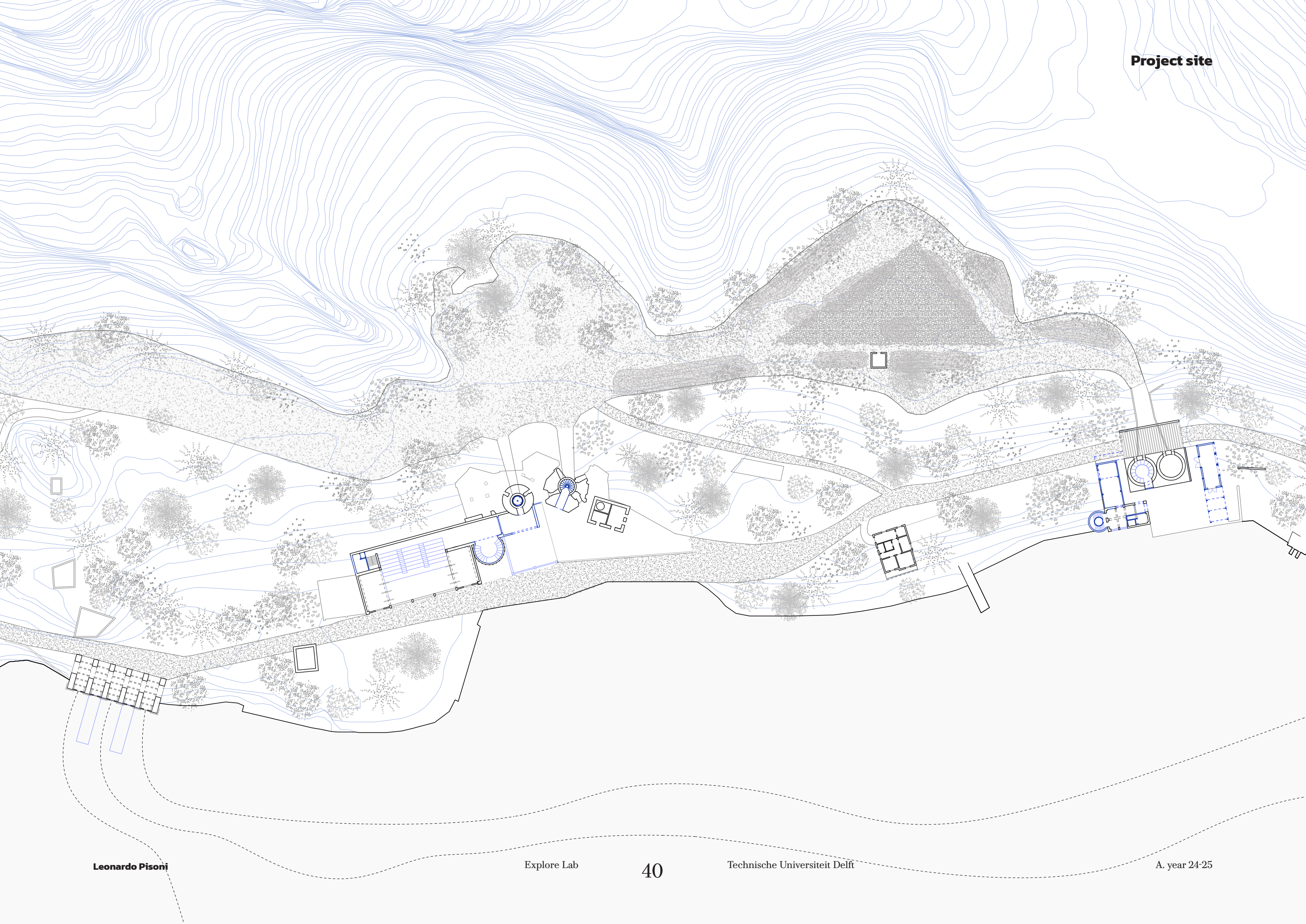


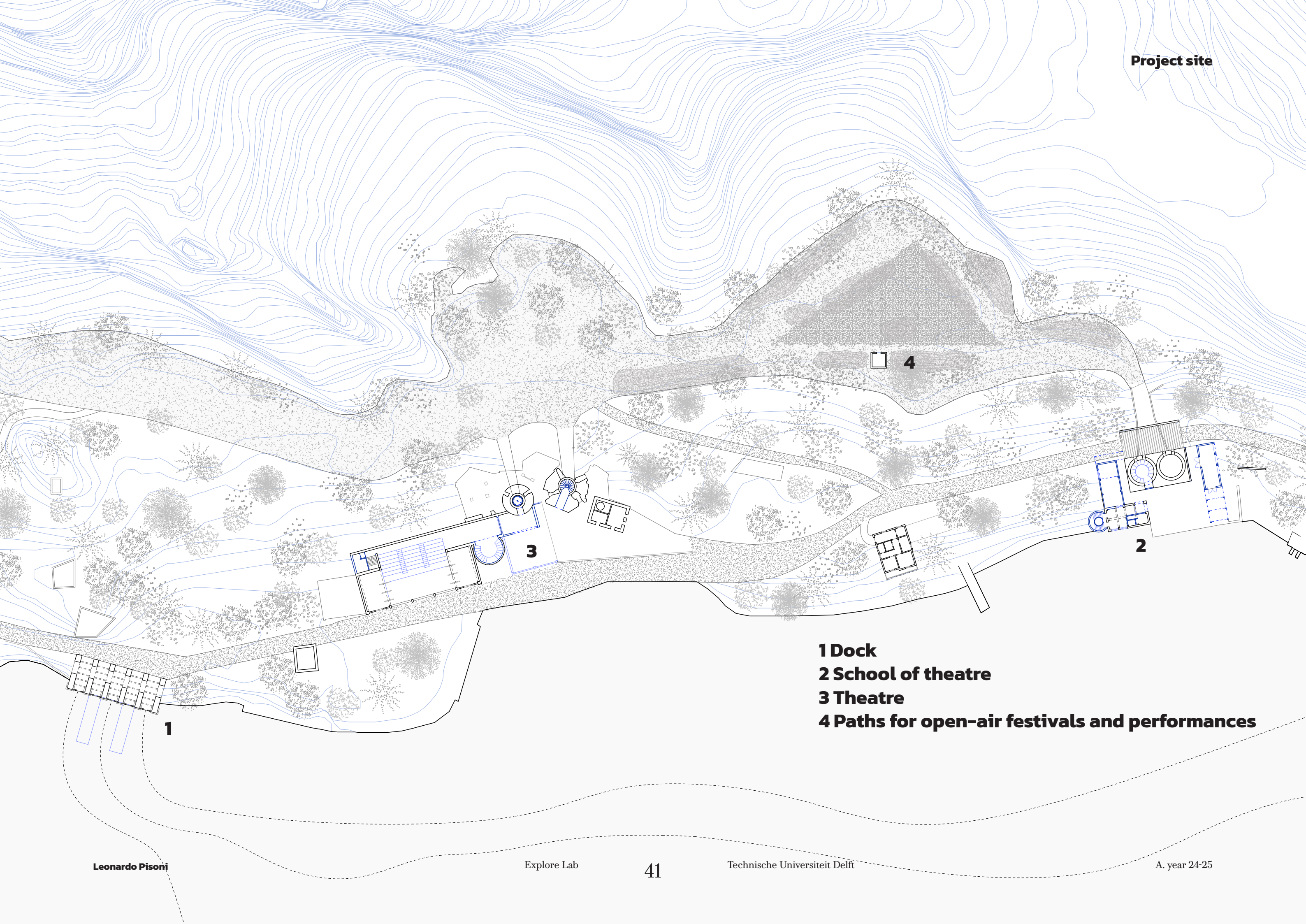


Project site

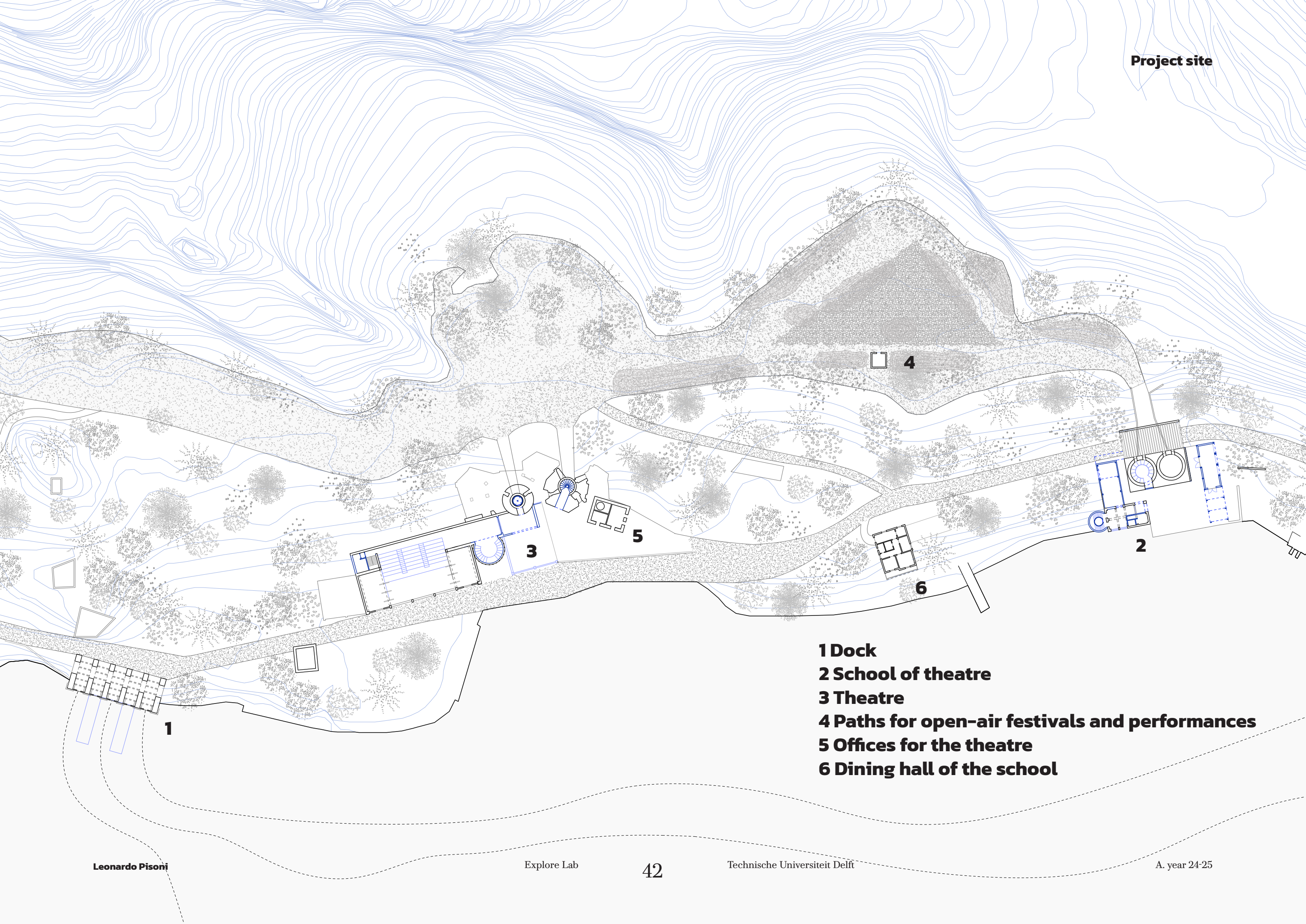
-  **Residential / Hotel**
-  **Park**
-  **Cultural Park, Theatre and School**

Project site





- 1 Dock**
- 2 School of theatre**
- 3 Theatre**
- 4 Paths for open-air festivals and performances**



1

3

5

6

2

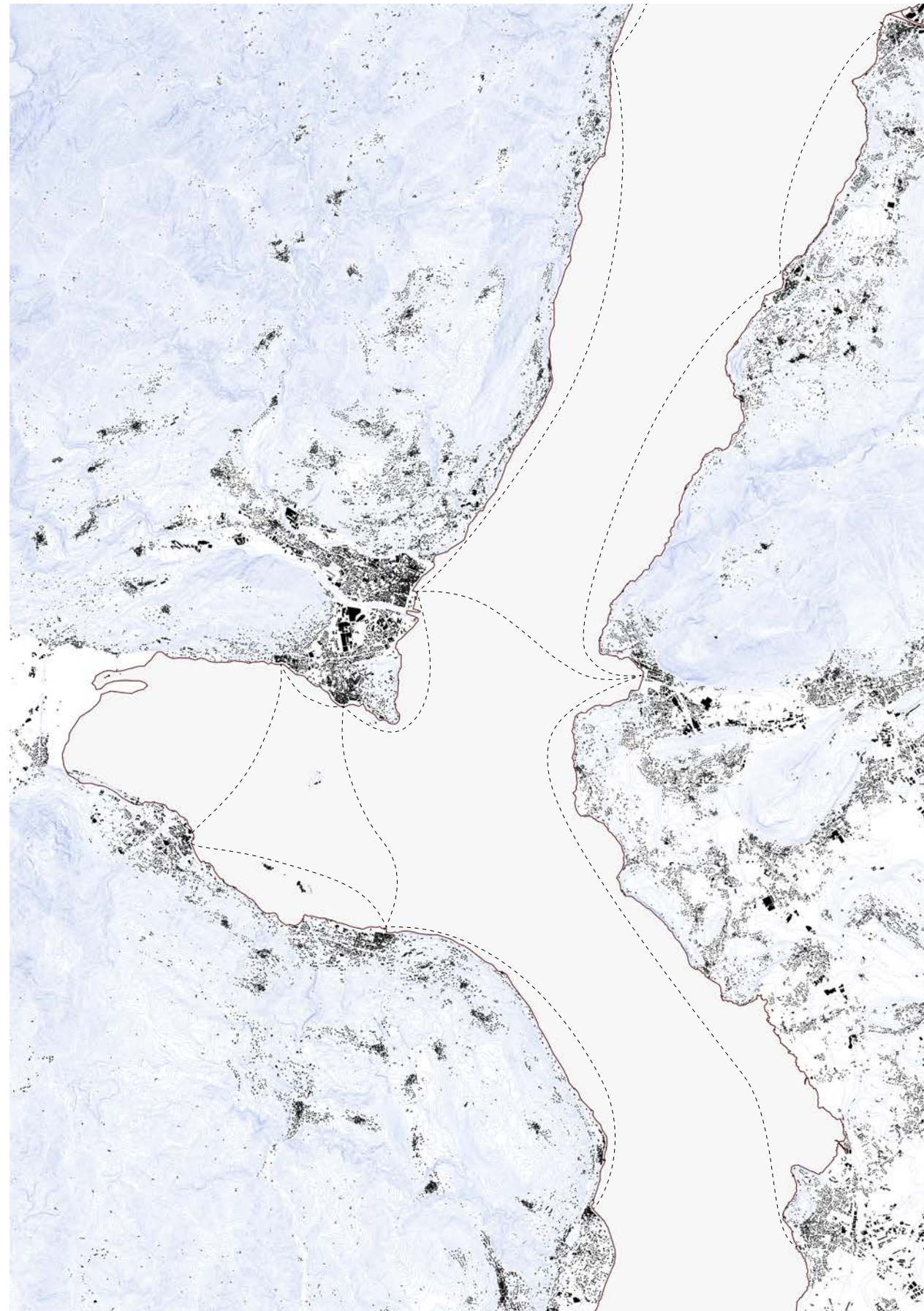
4

- 1 Dock**
- 2 School of theatre**
- 3 Theatre**
- 4 Paths for open-air festivals and performances**
- 5 Offices for the theatre**
- 6 Dining hall of the school**

Dock / Loader

Water flows



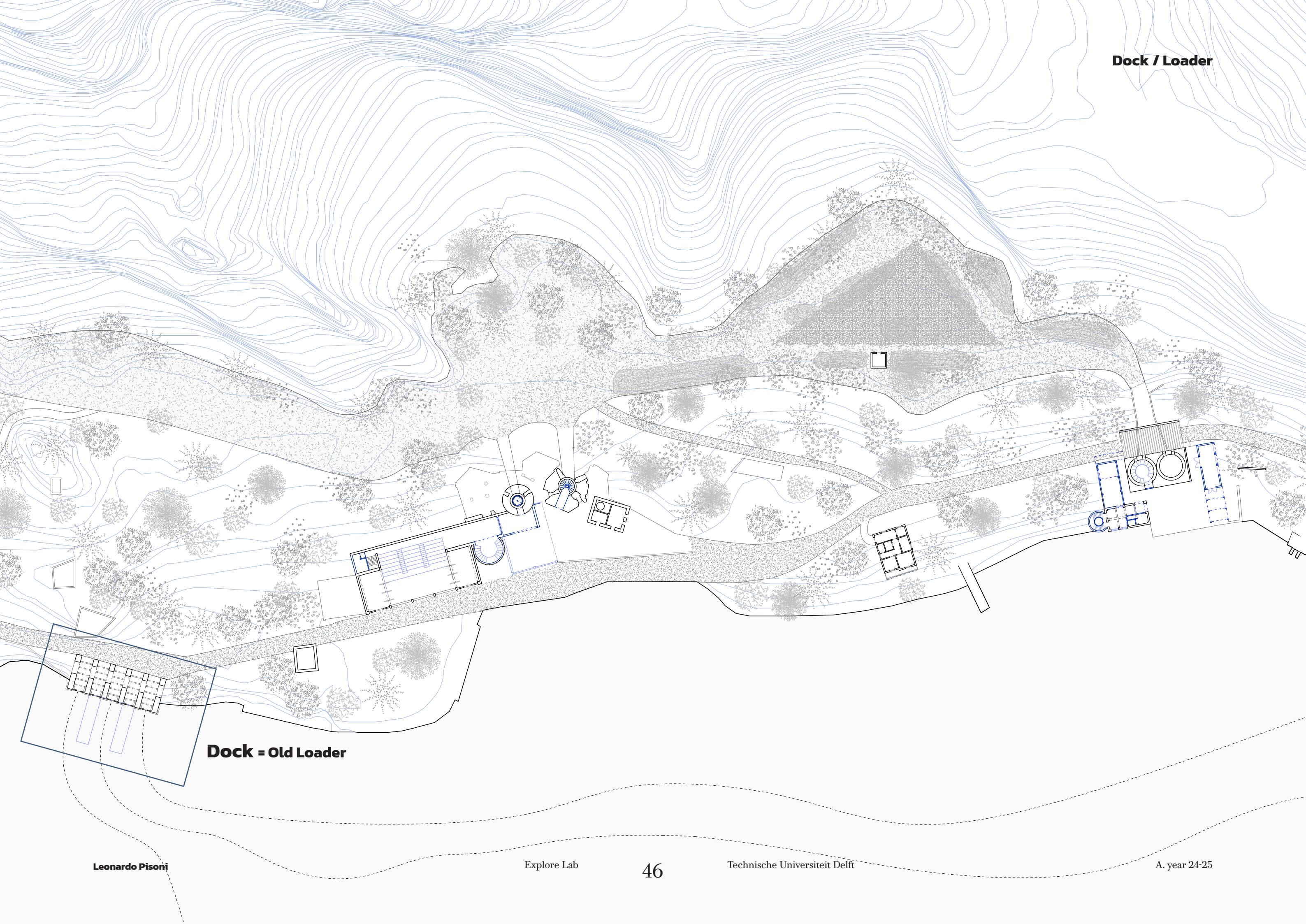


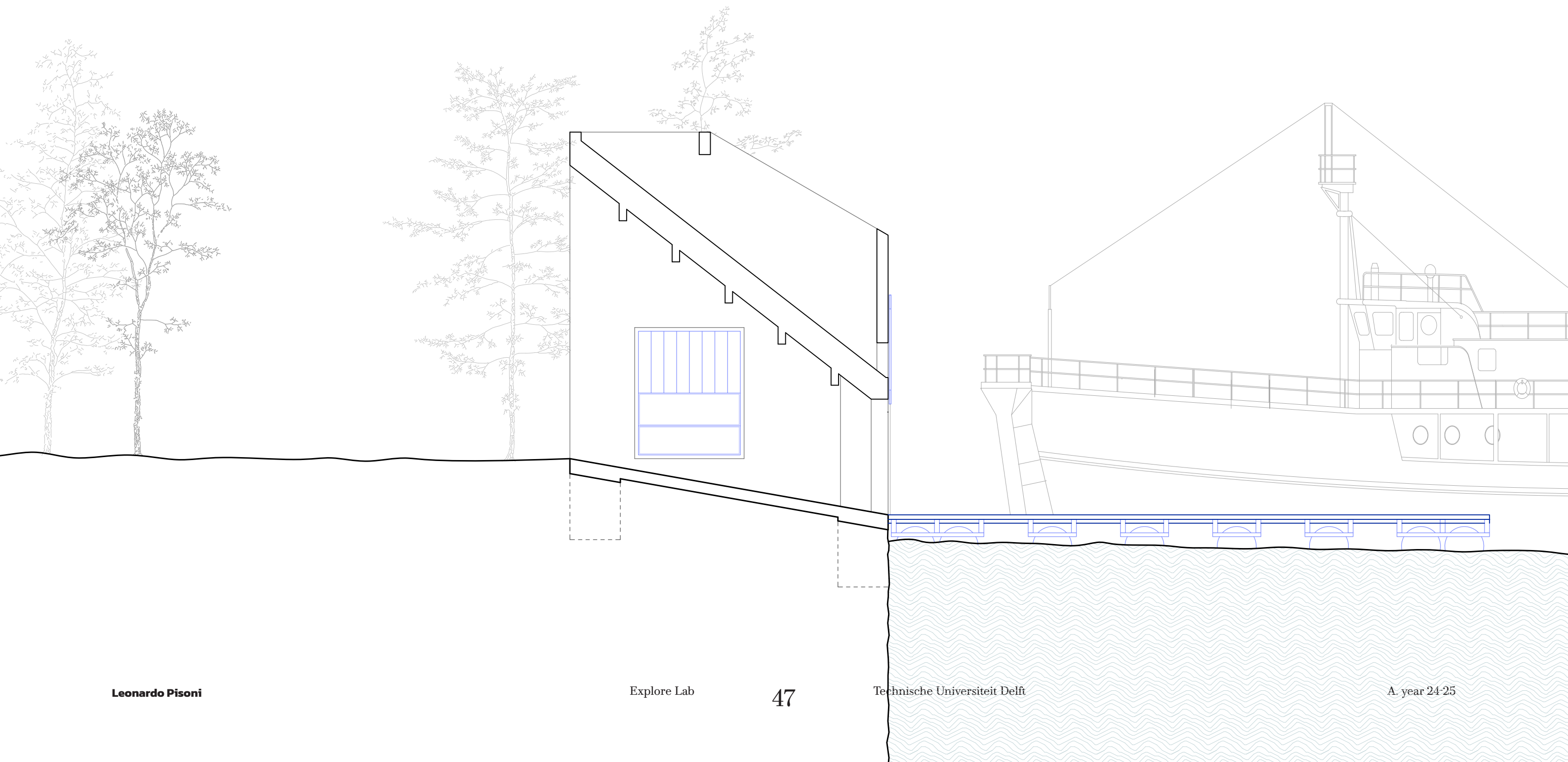
**Current water
transport connections**

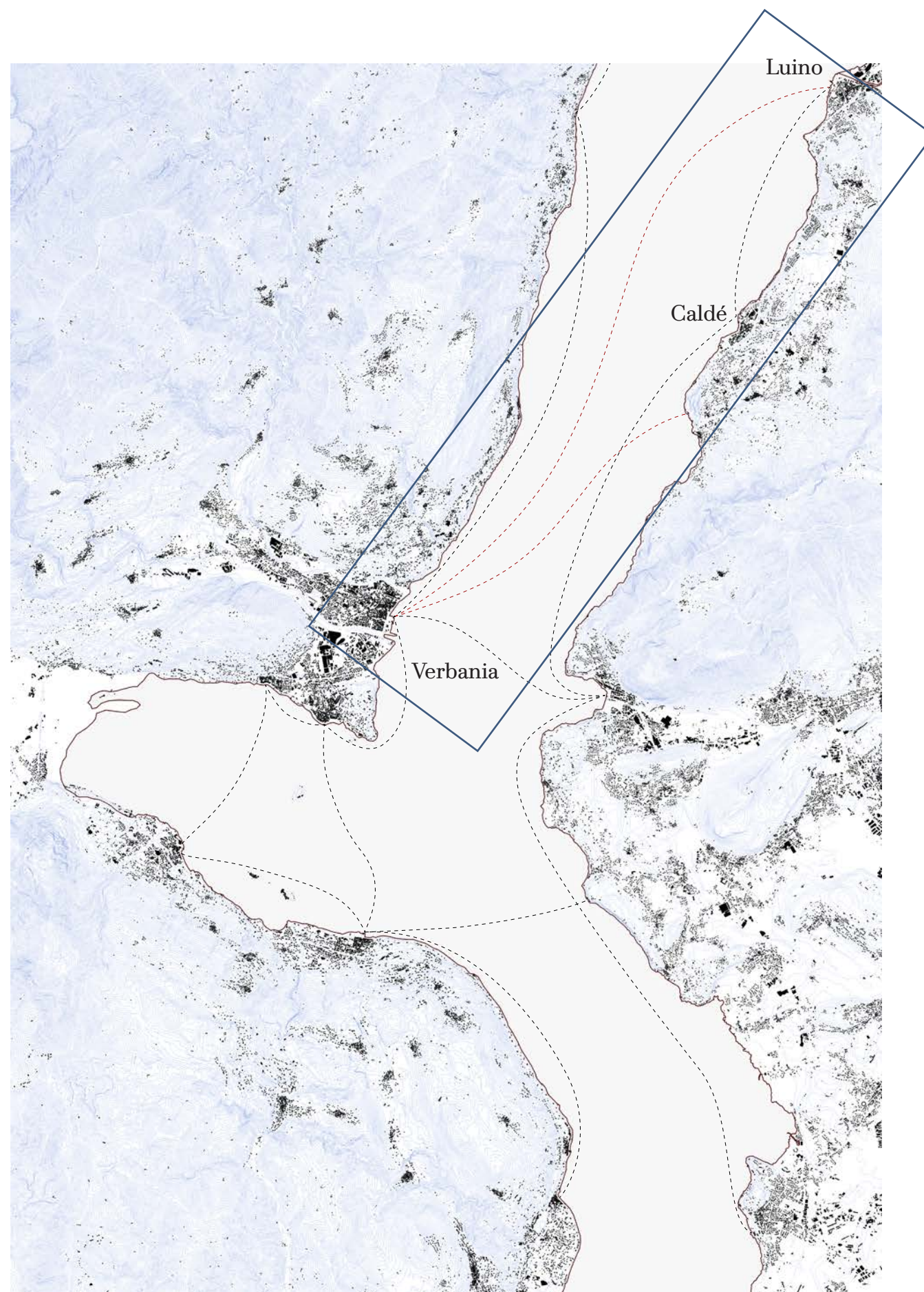


Dock / Loader

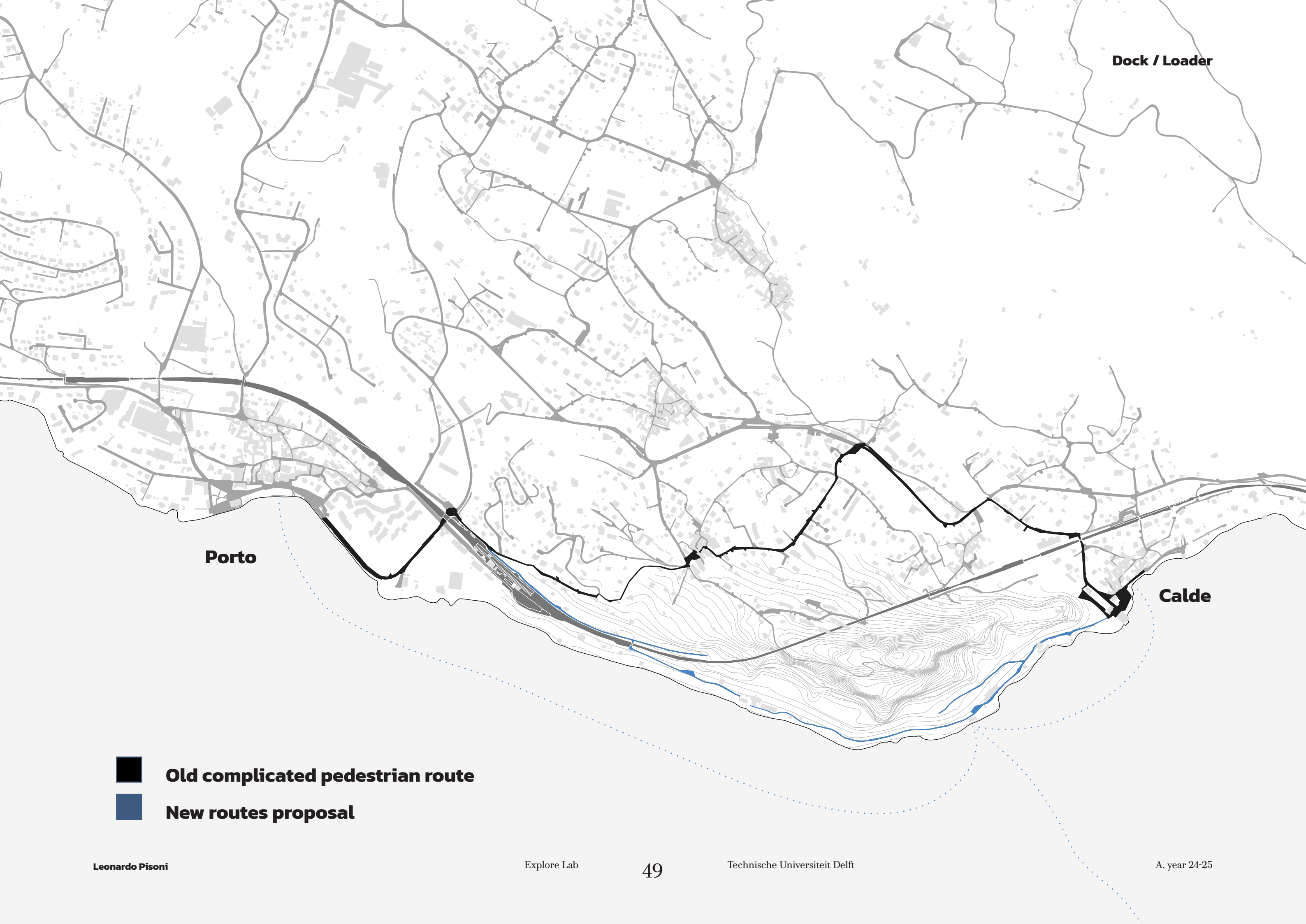
Dock = Old Loader







New route proposal



Dock / Loader

Porto

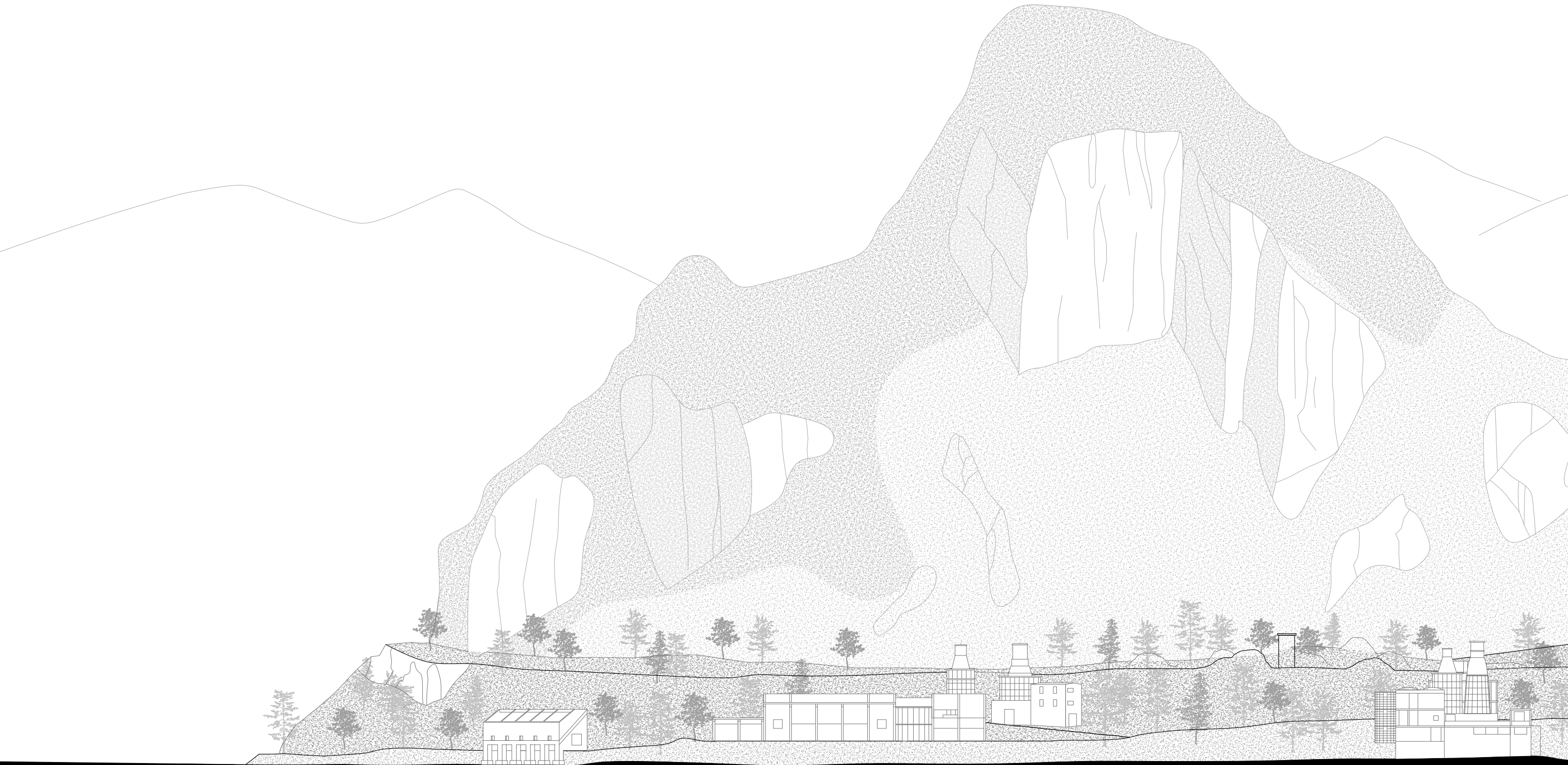
Calde



Old complicated pedestrian route

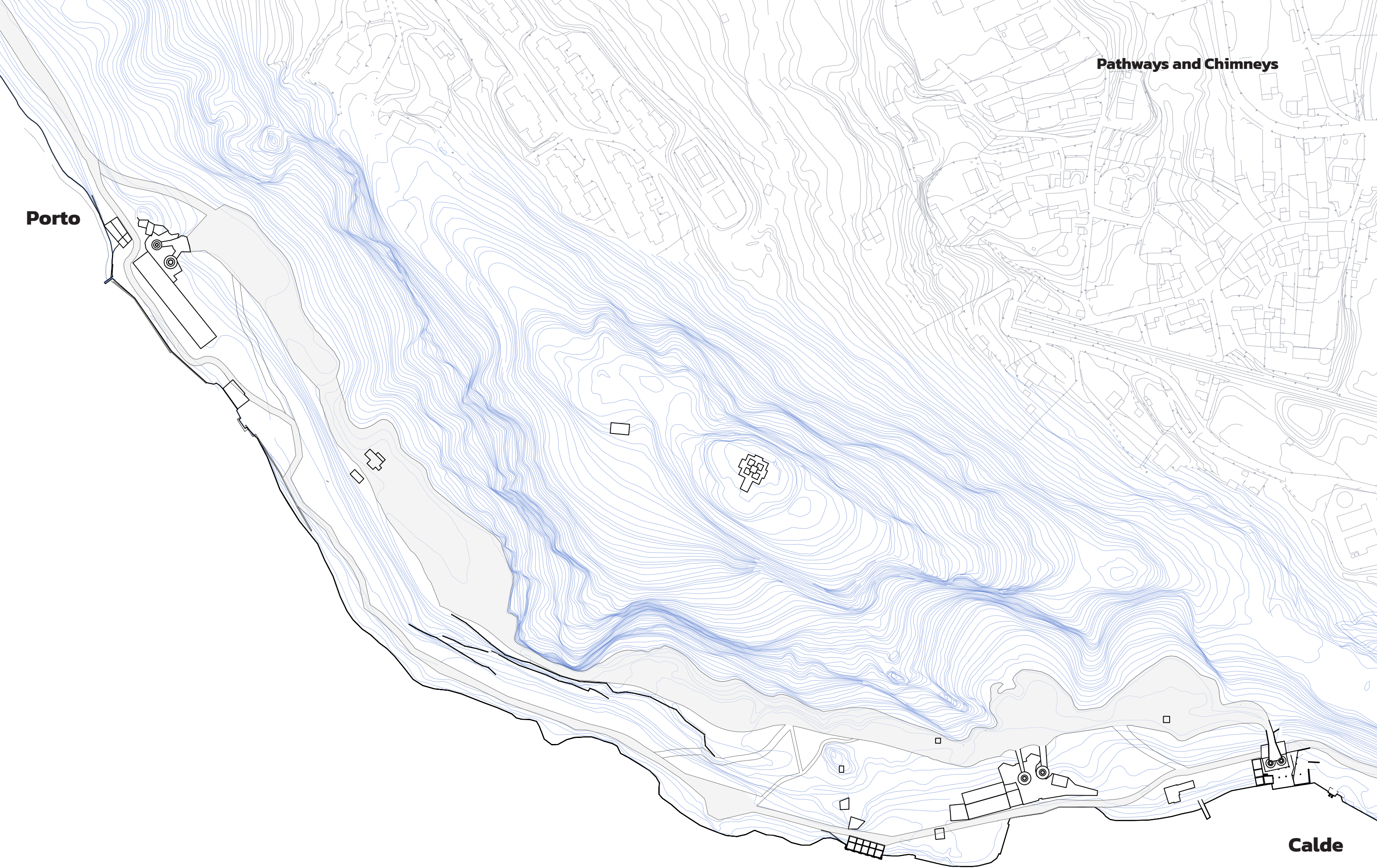


New routes proposal



Pathways and Chimneys





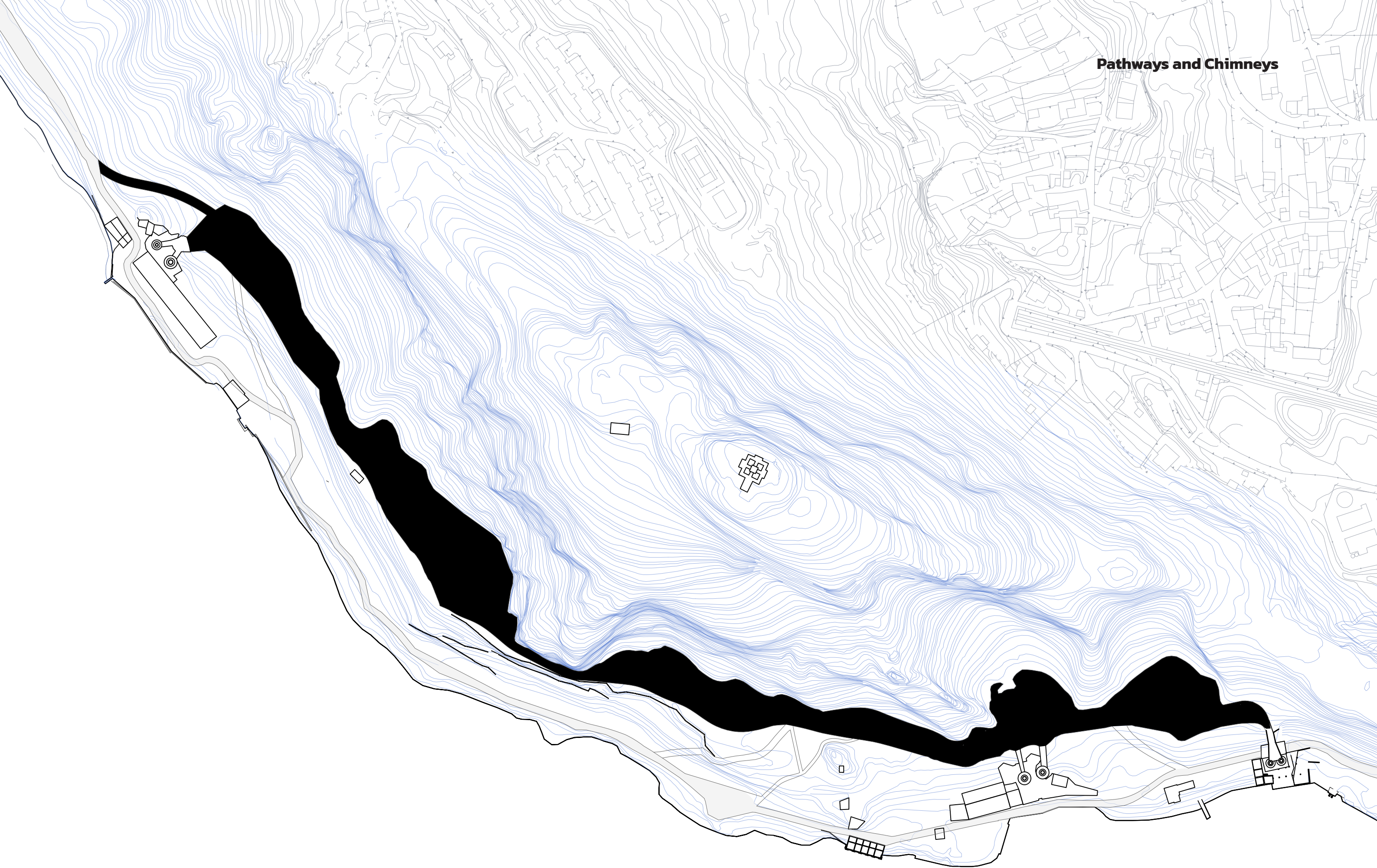
Porto

Pathways and Chimneys

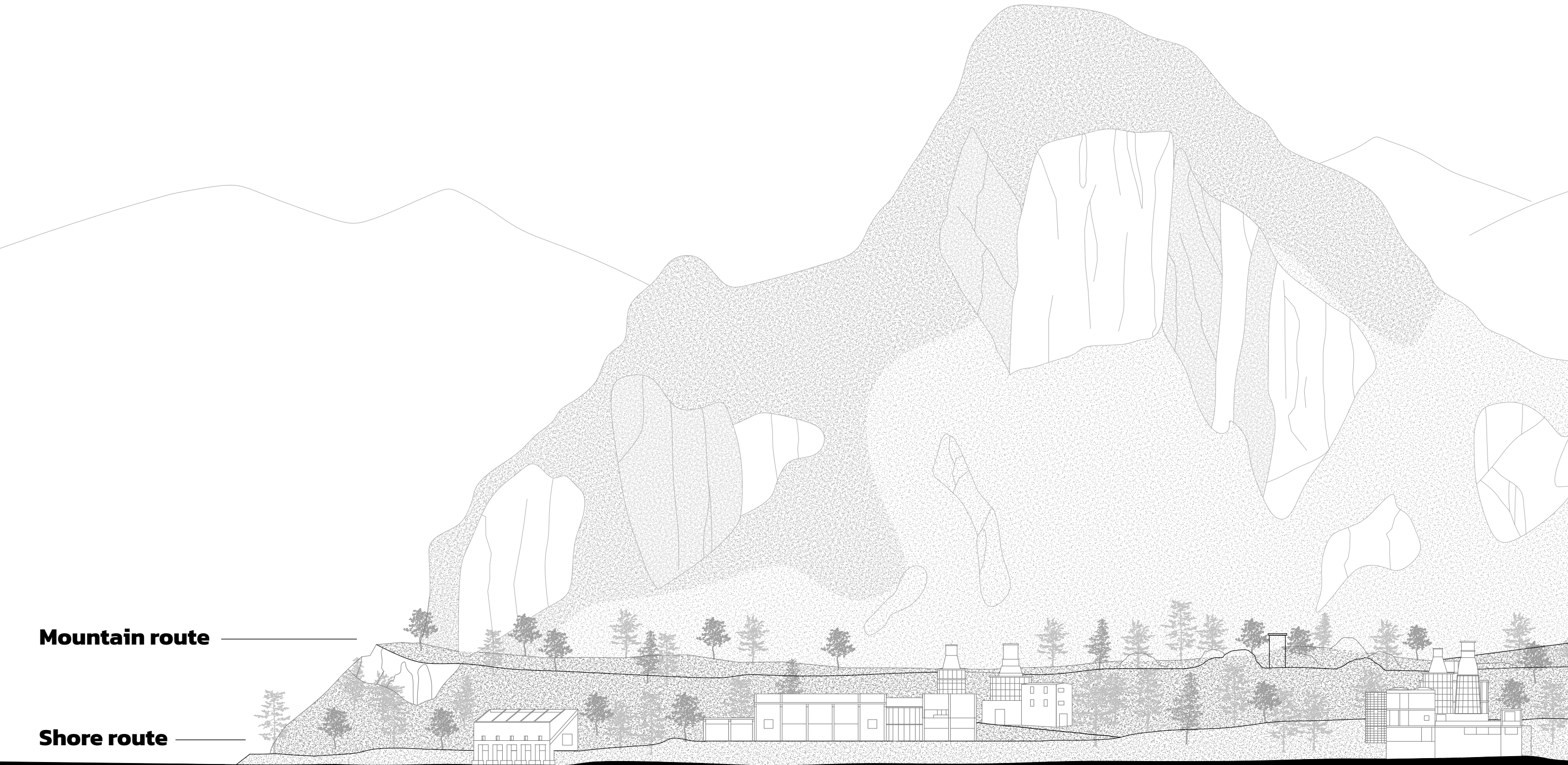
Calde

1975





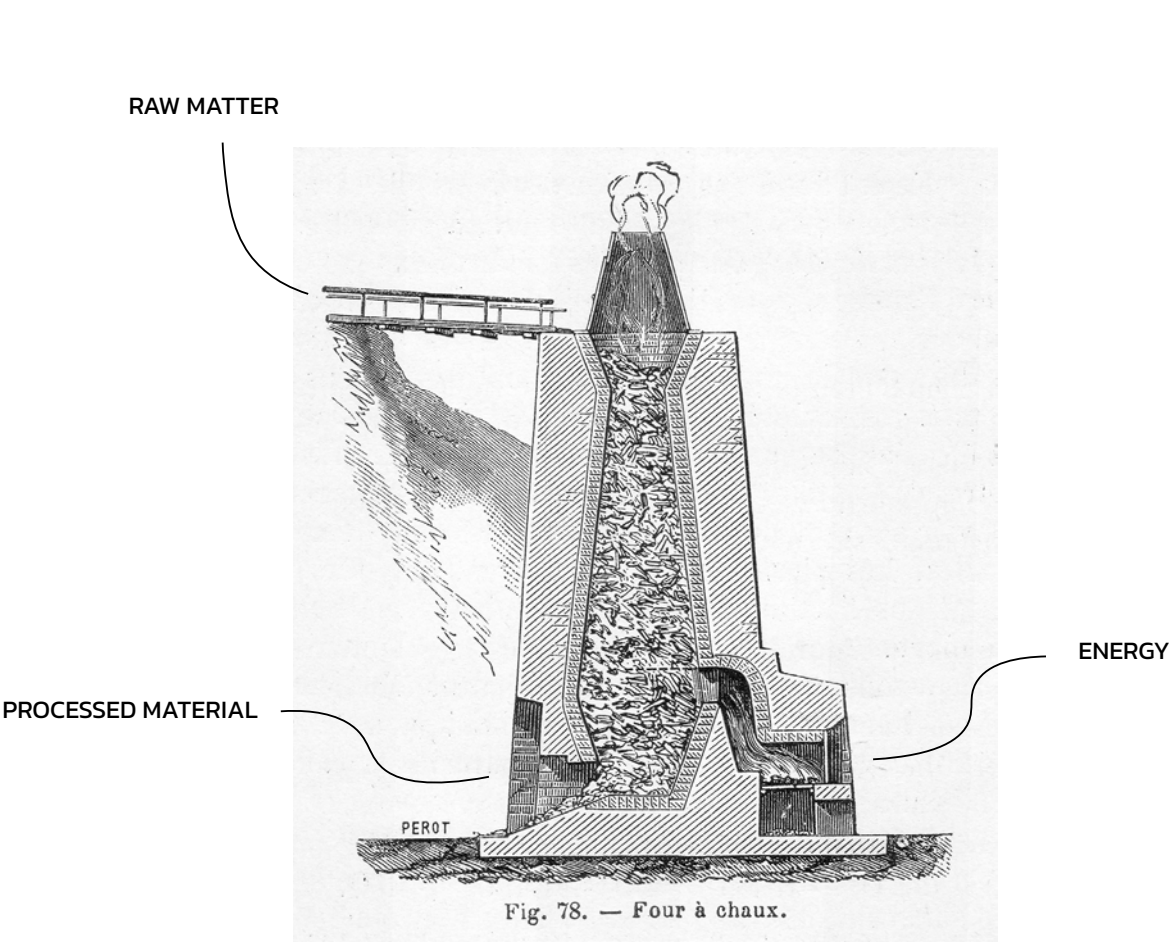
Pathways and Chimneys



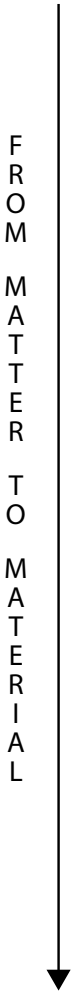
Mountain route

Shore route

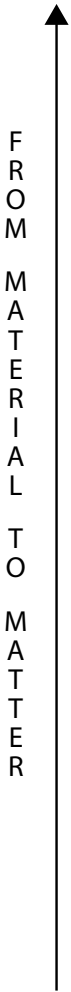
Infrastructure

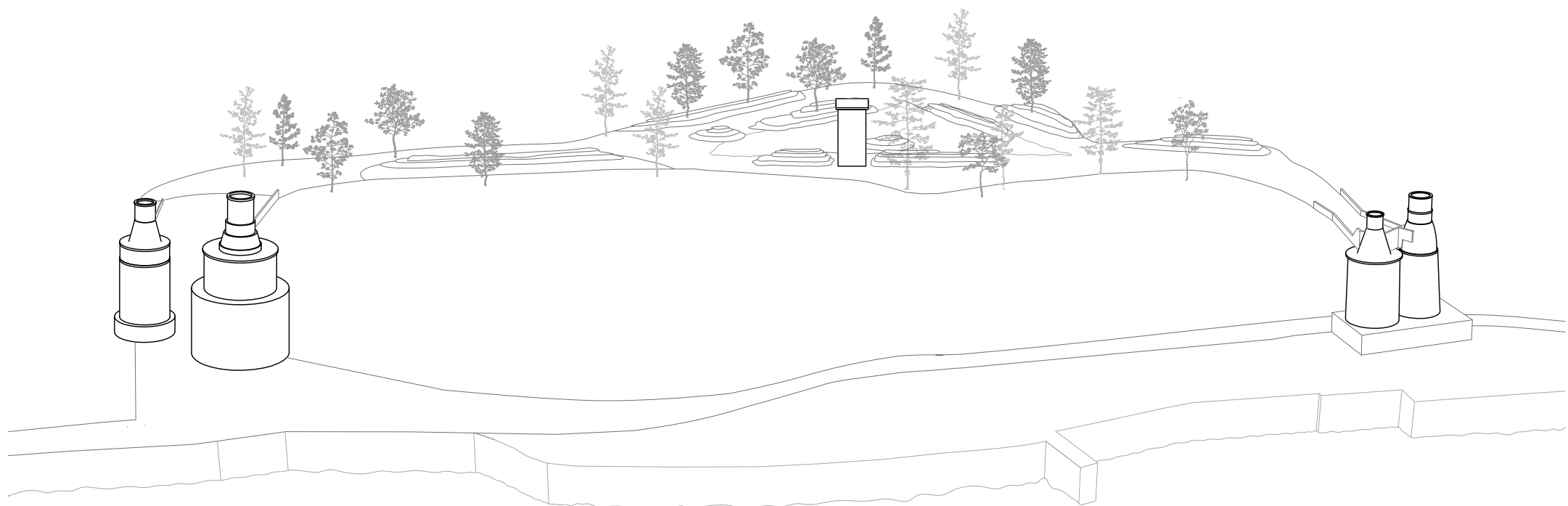


PAST

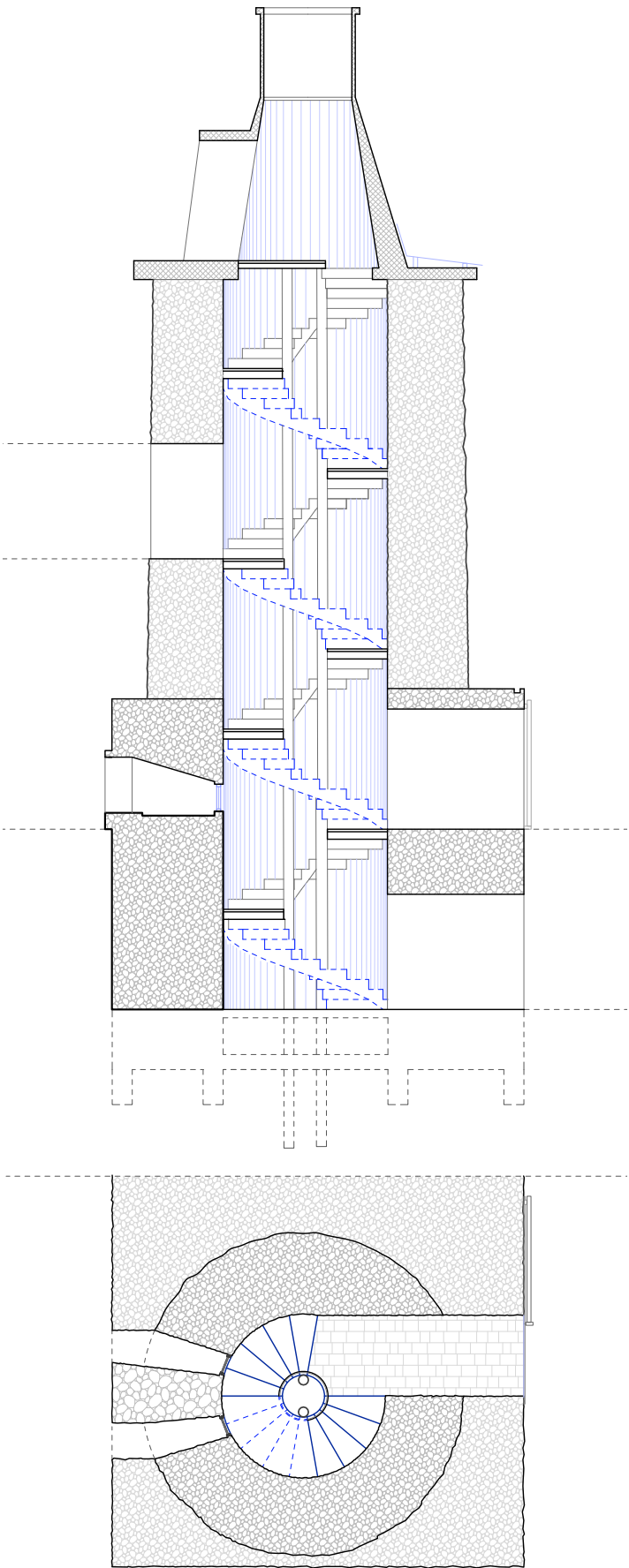


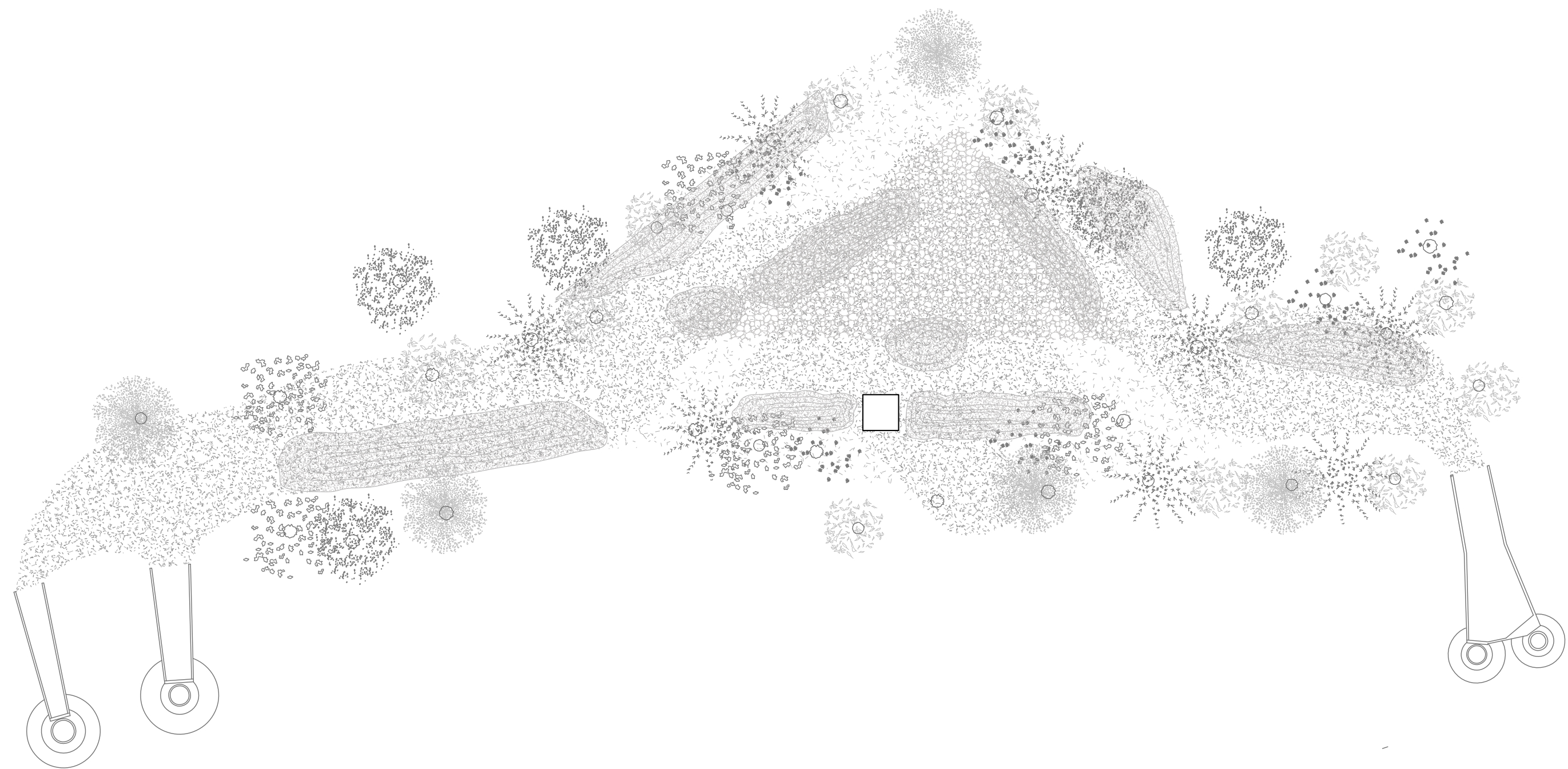
PRESENT









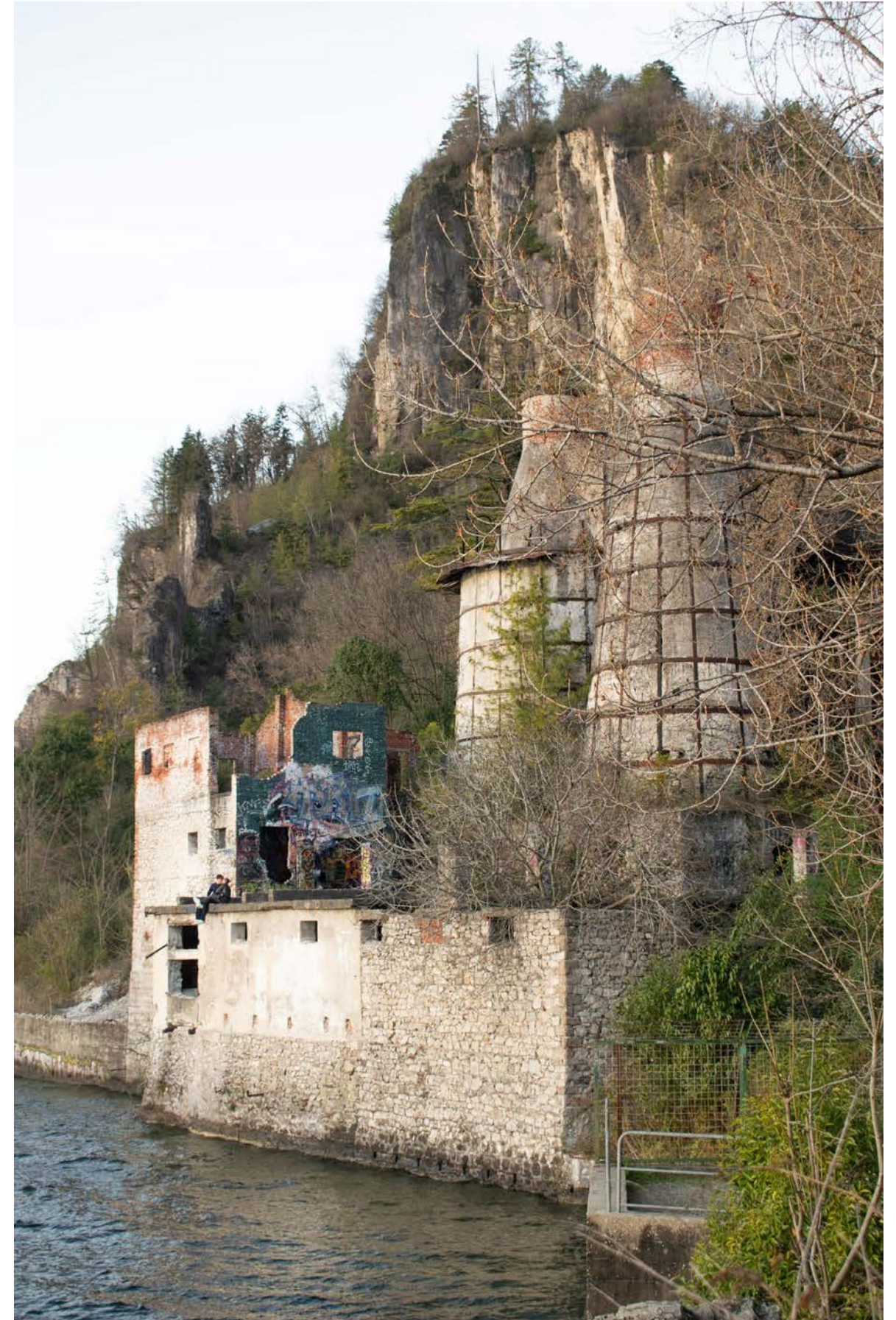


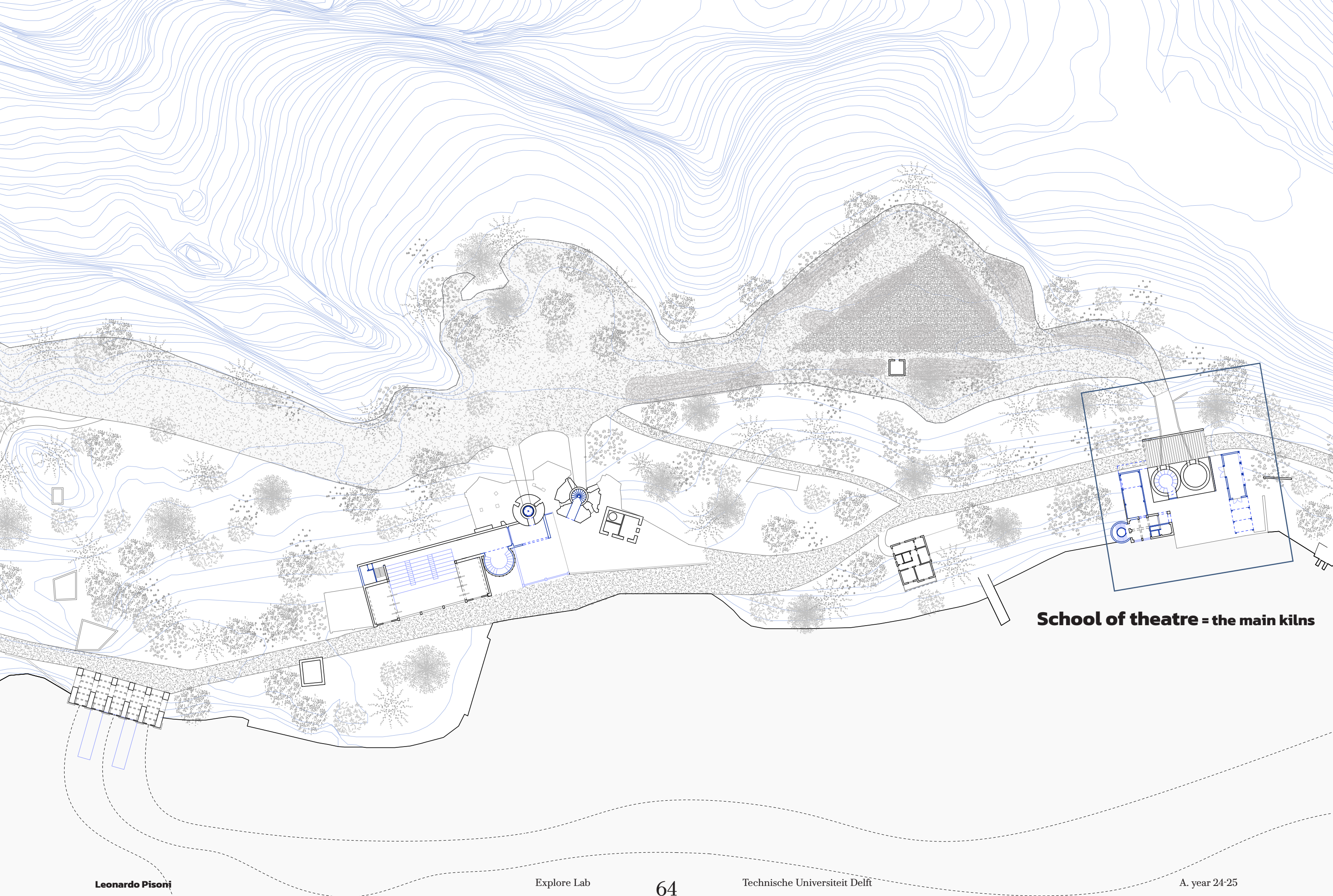




Teatro dei Calanchi, Basilicata, Italy

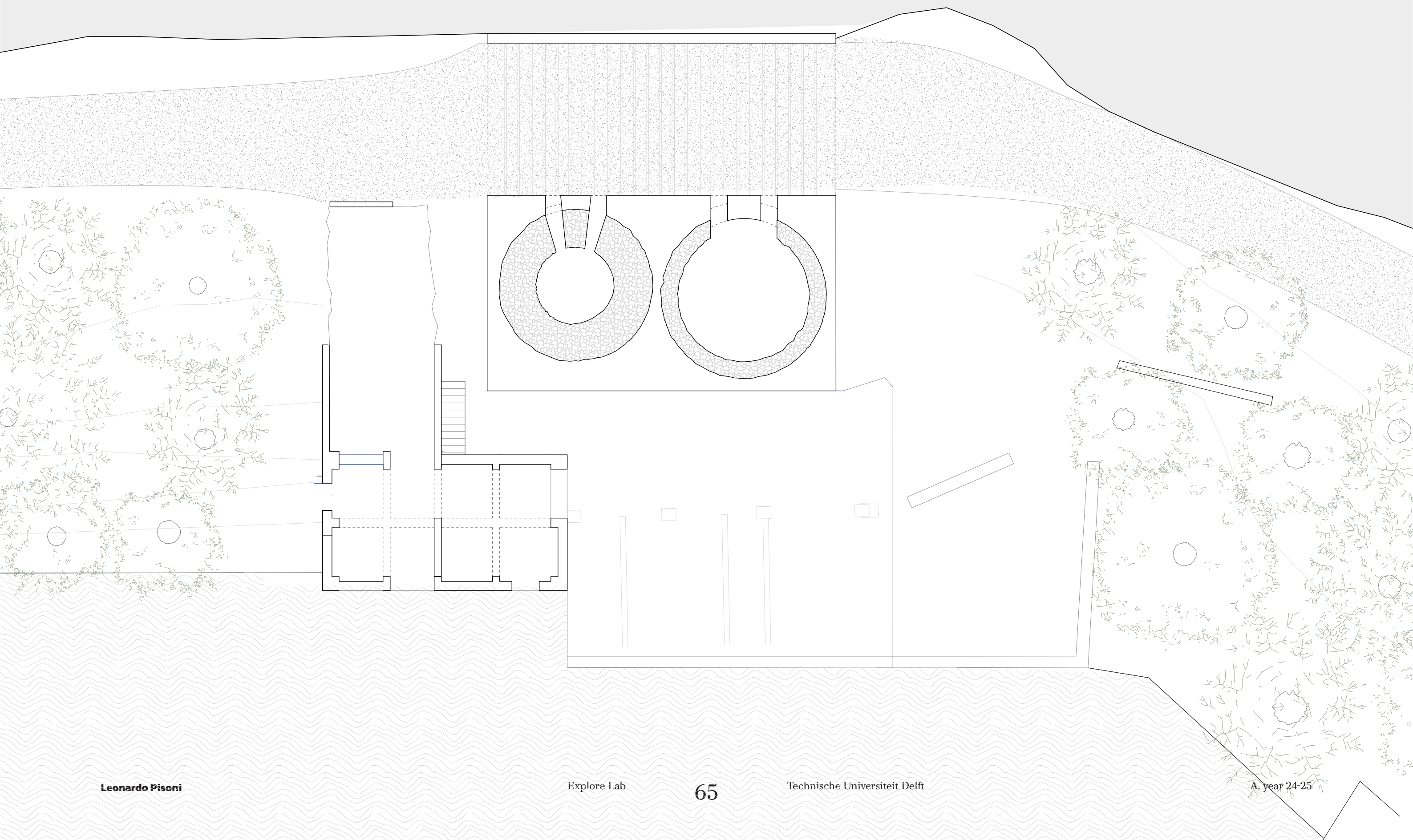
The Theatre School



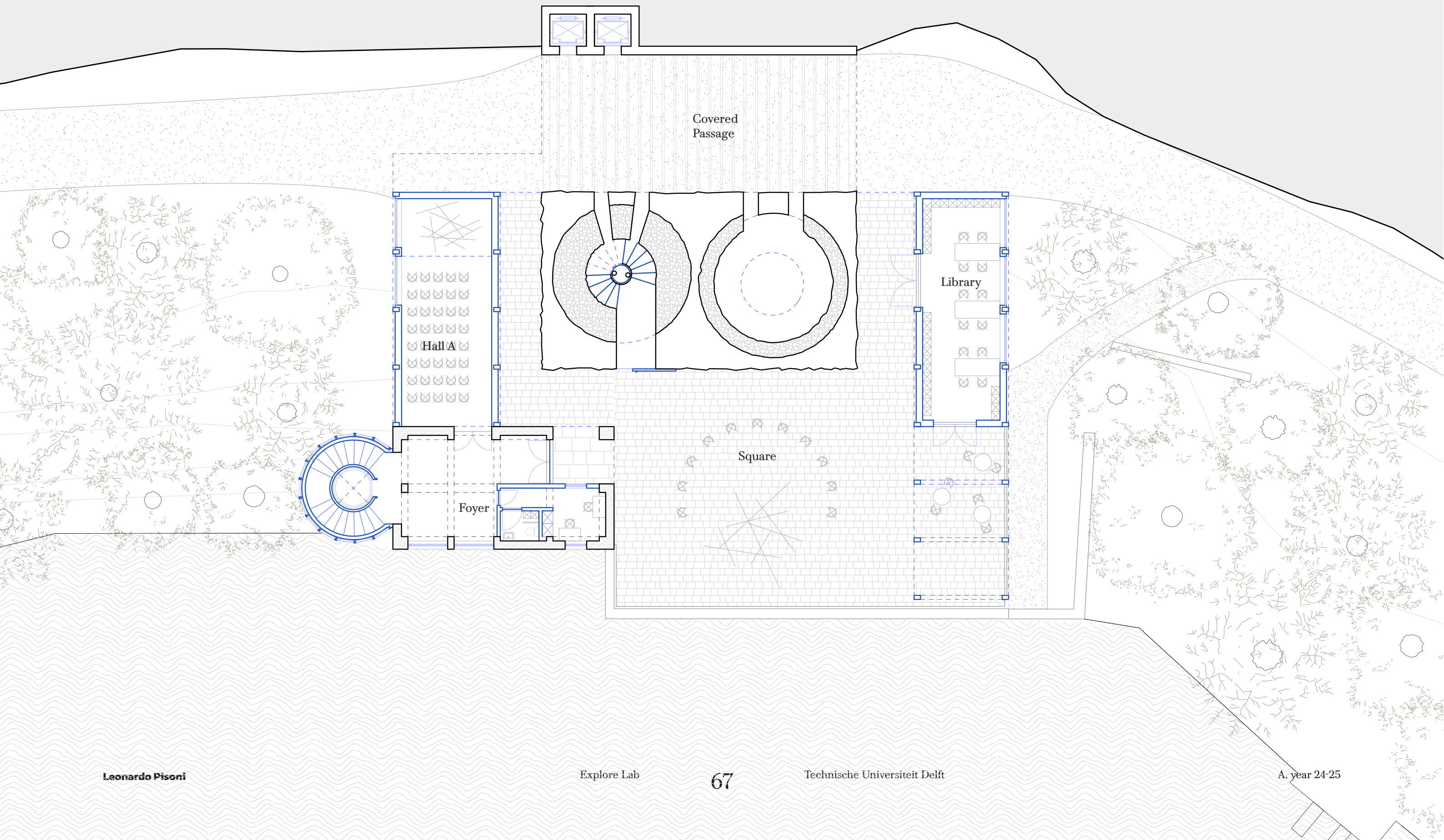


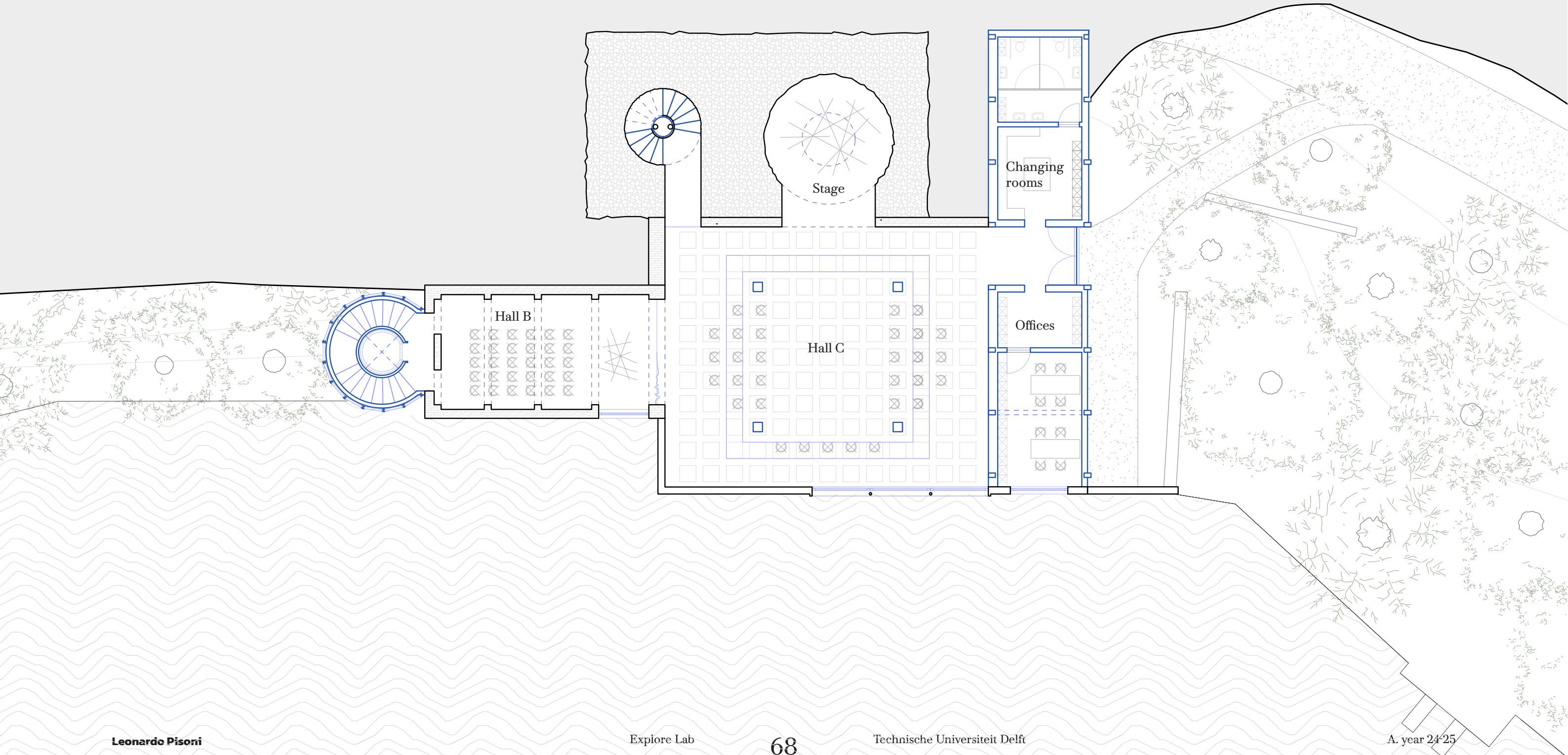
School of theatre = the main kilns

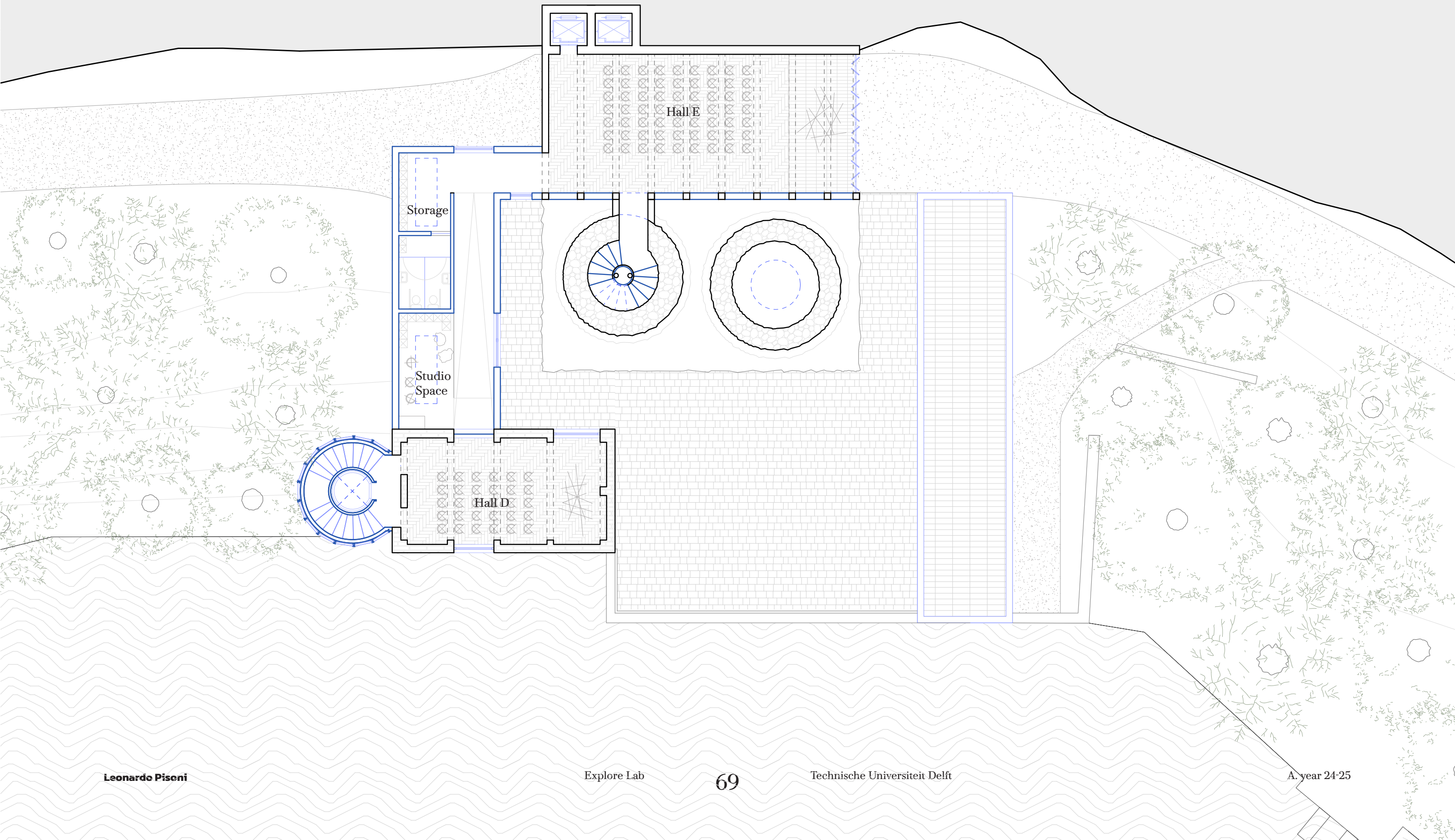
Flows: School



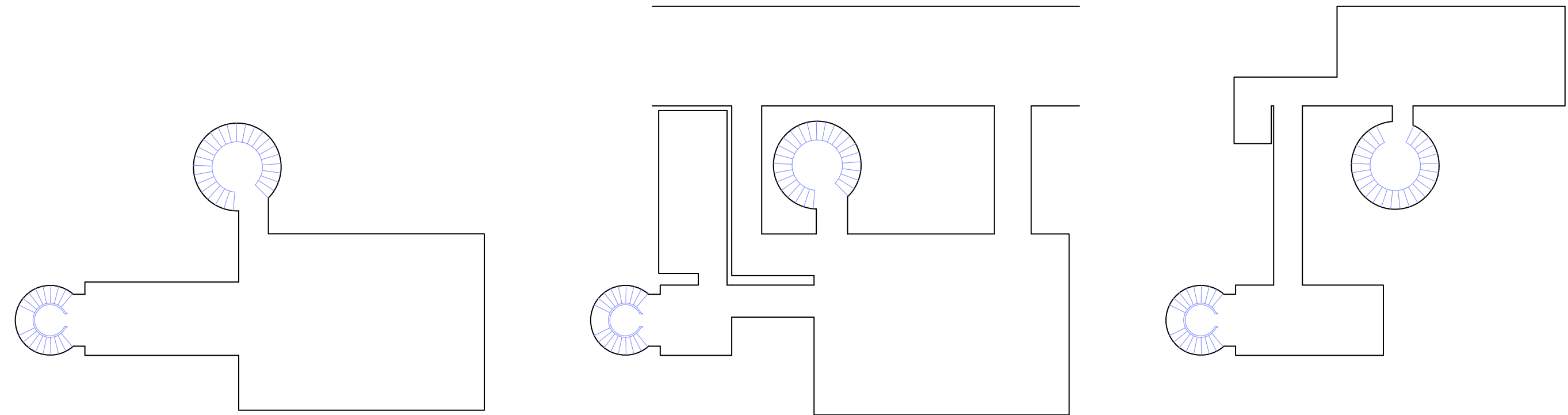


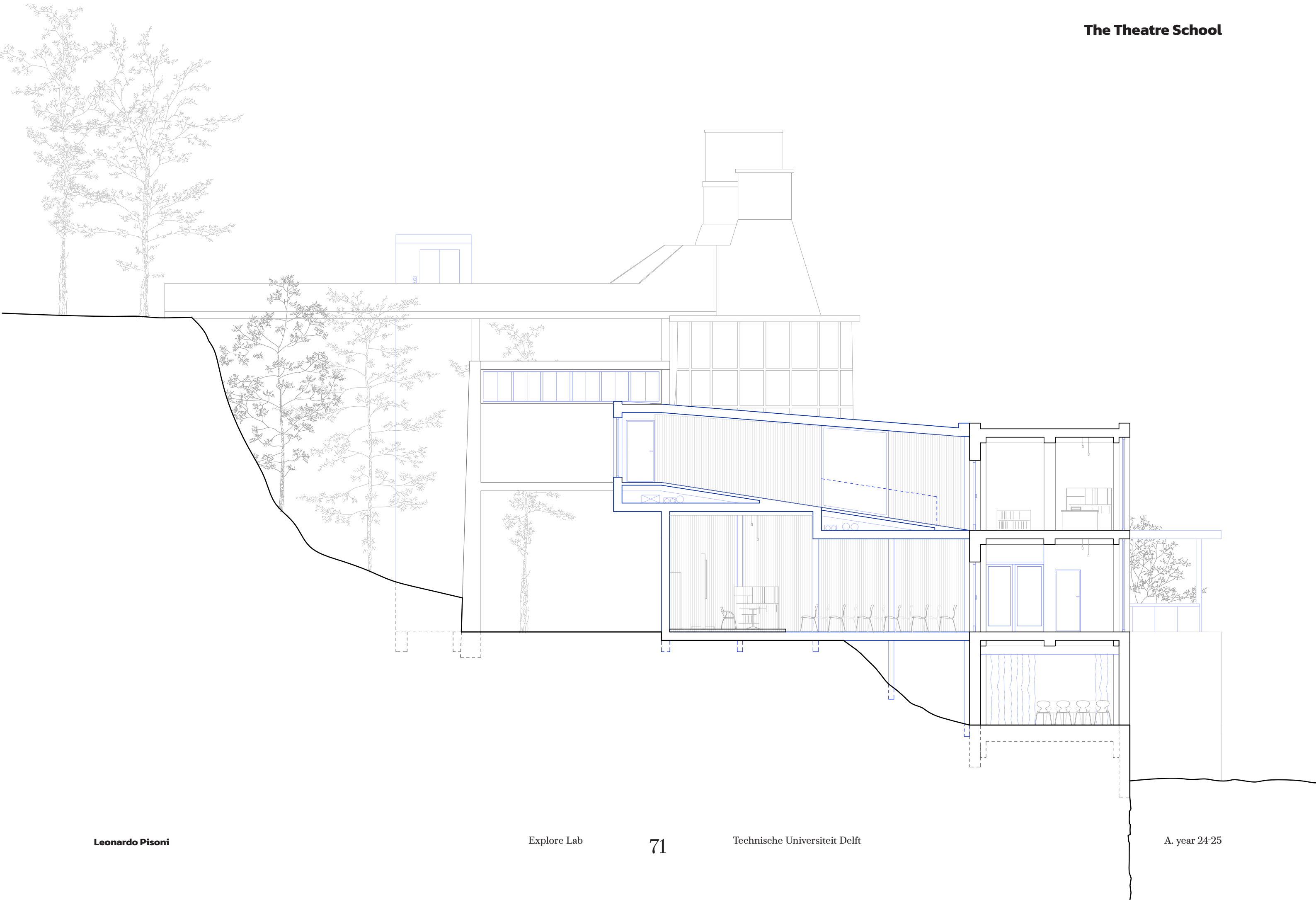


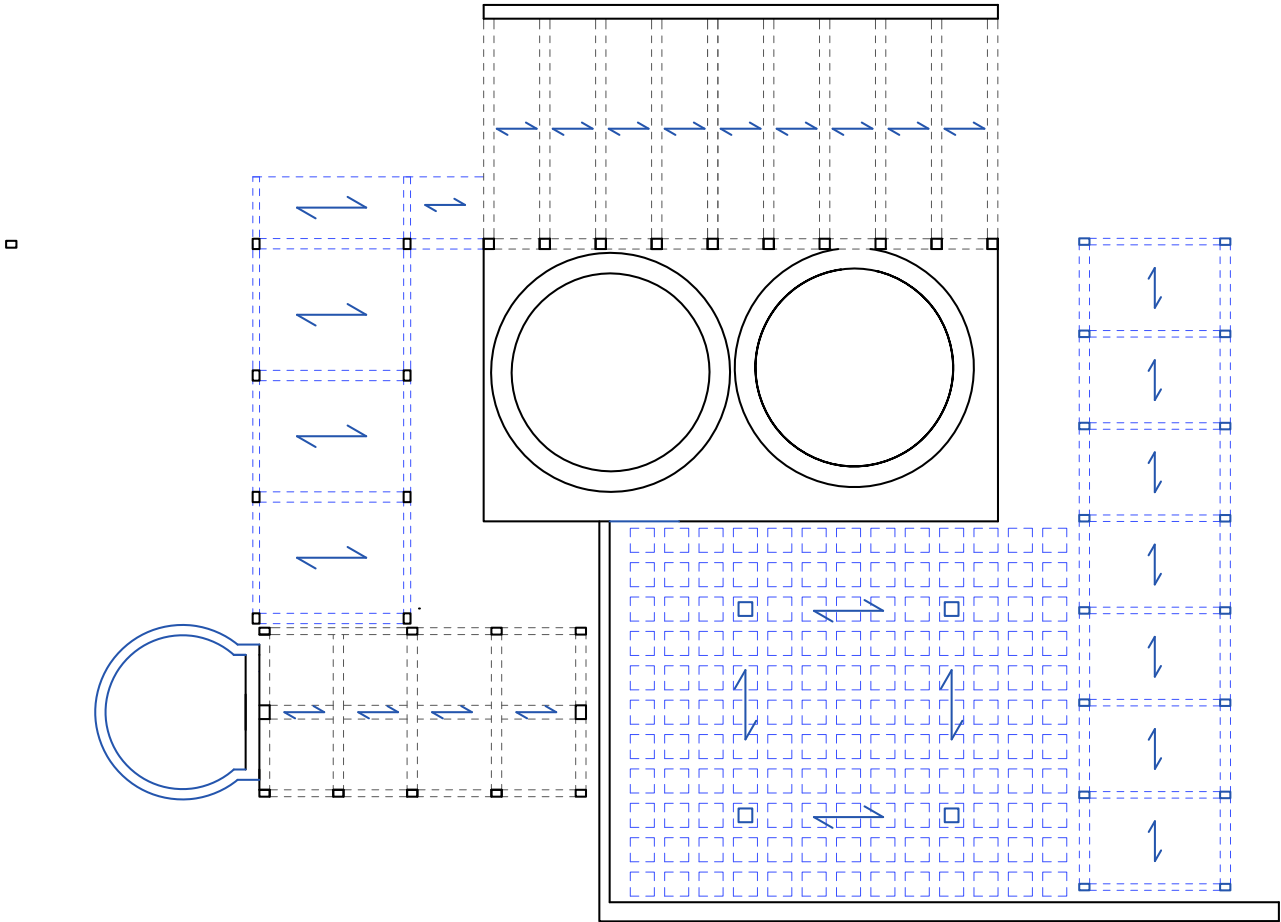




Flows: School



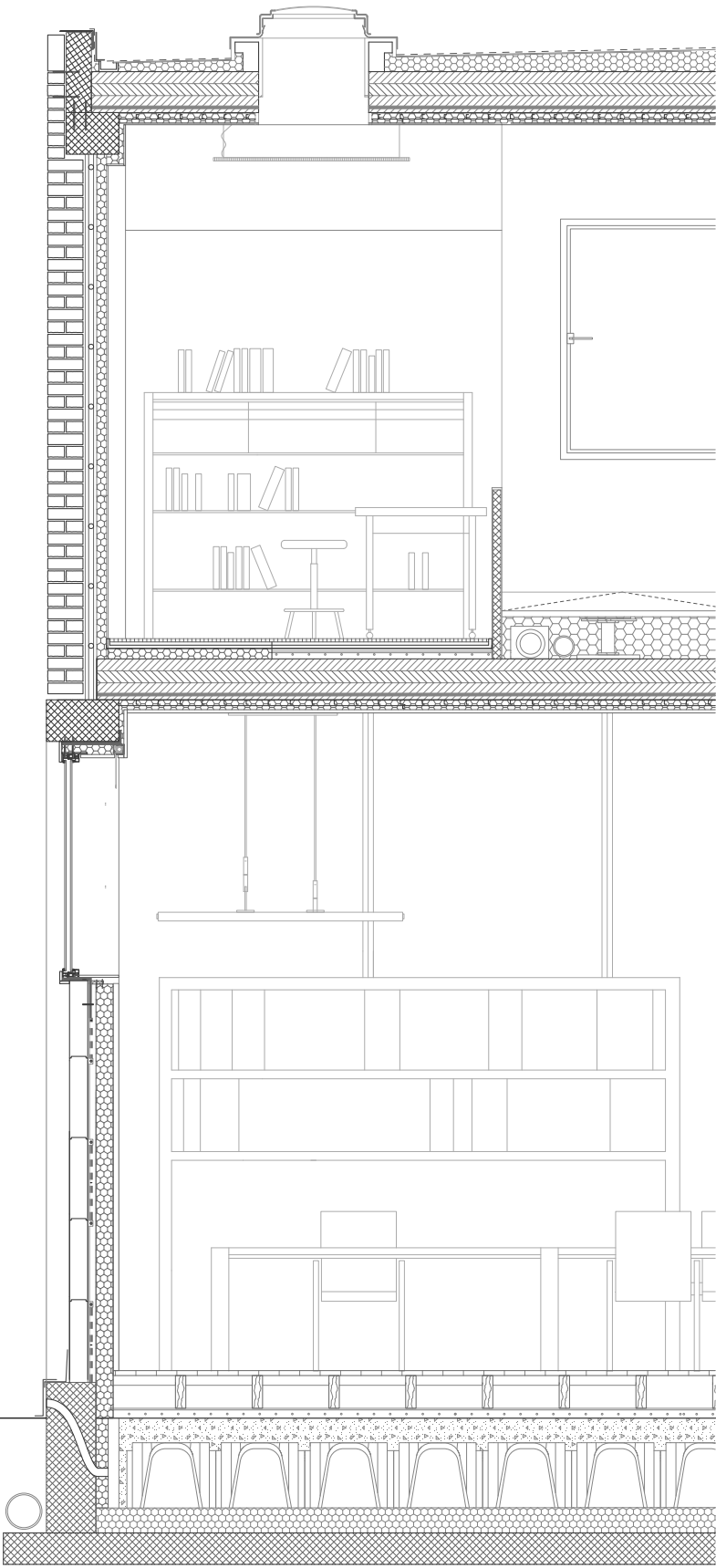


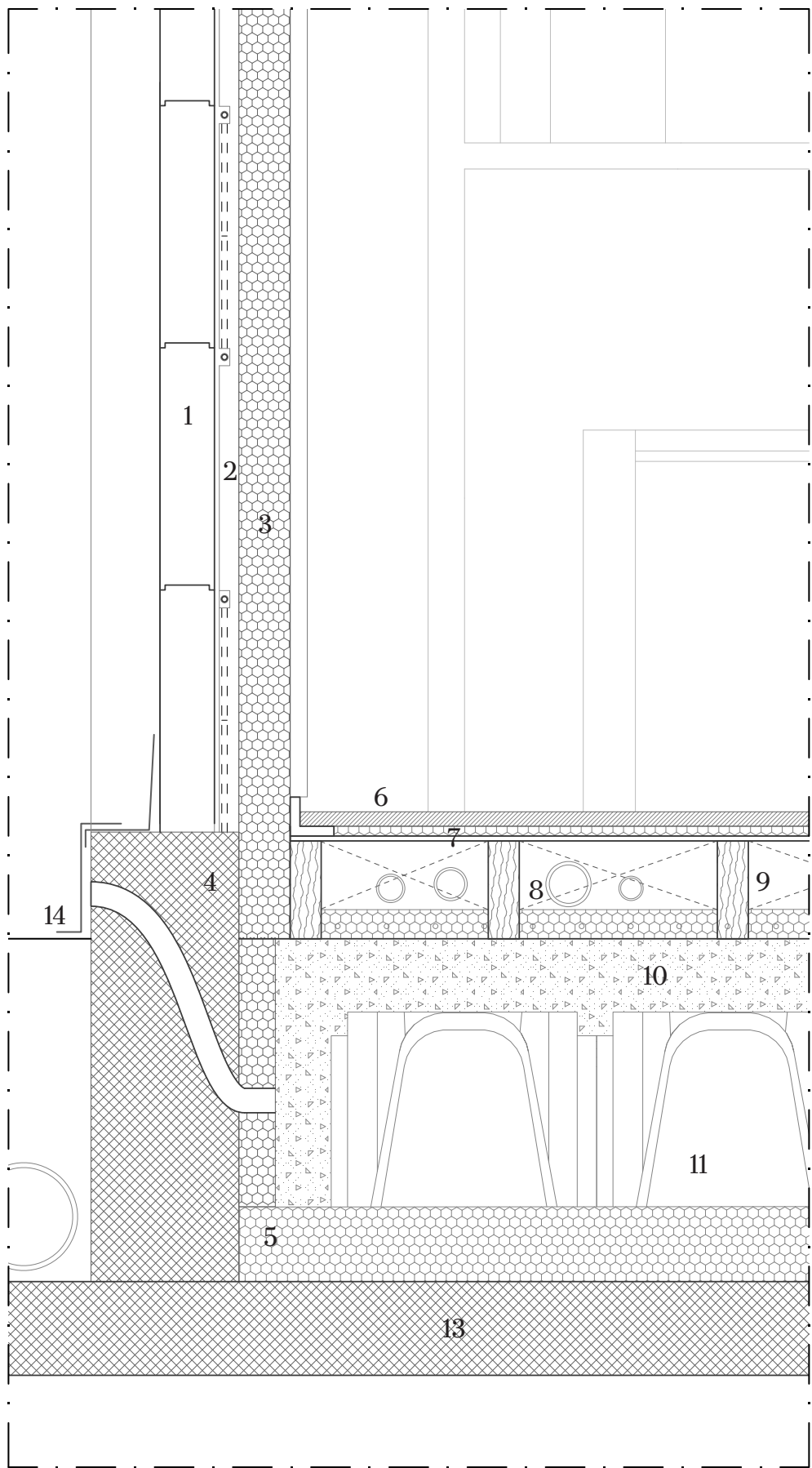




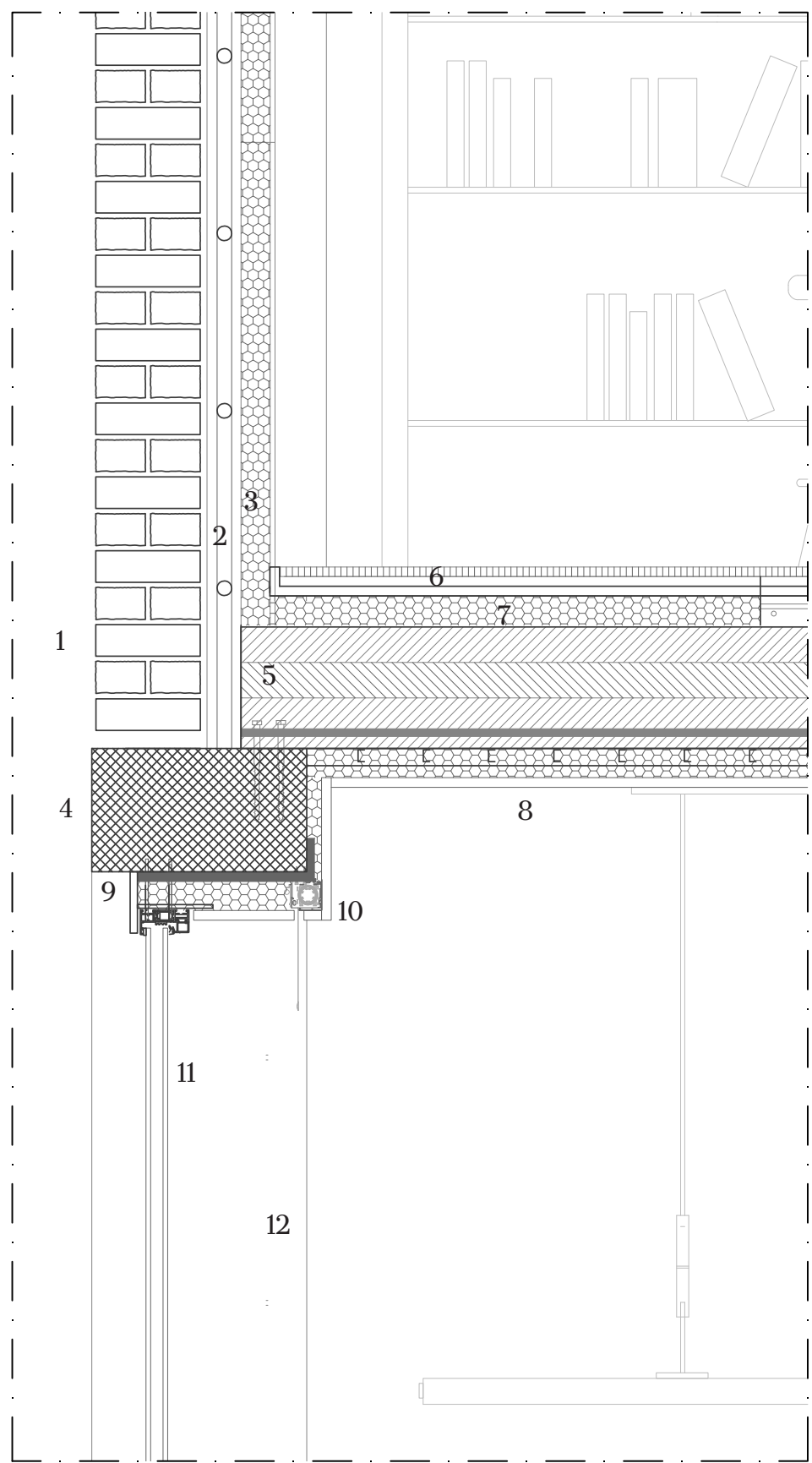
First floor:
Old brick facade

Ground floor:
Stone and concrete structure

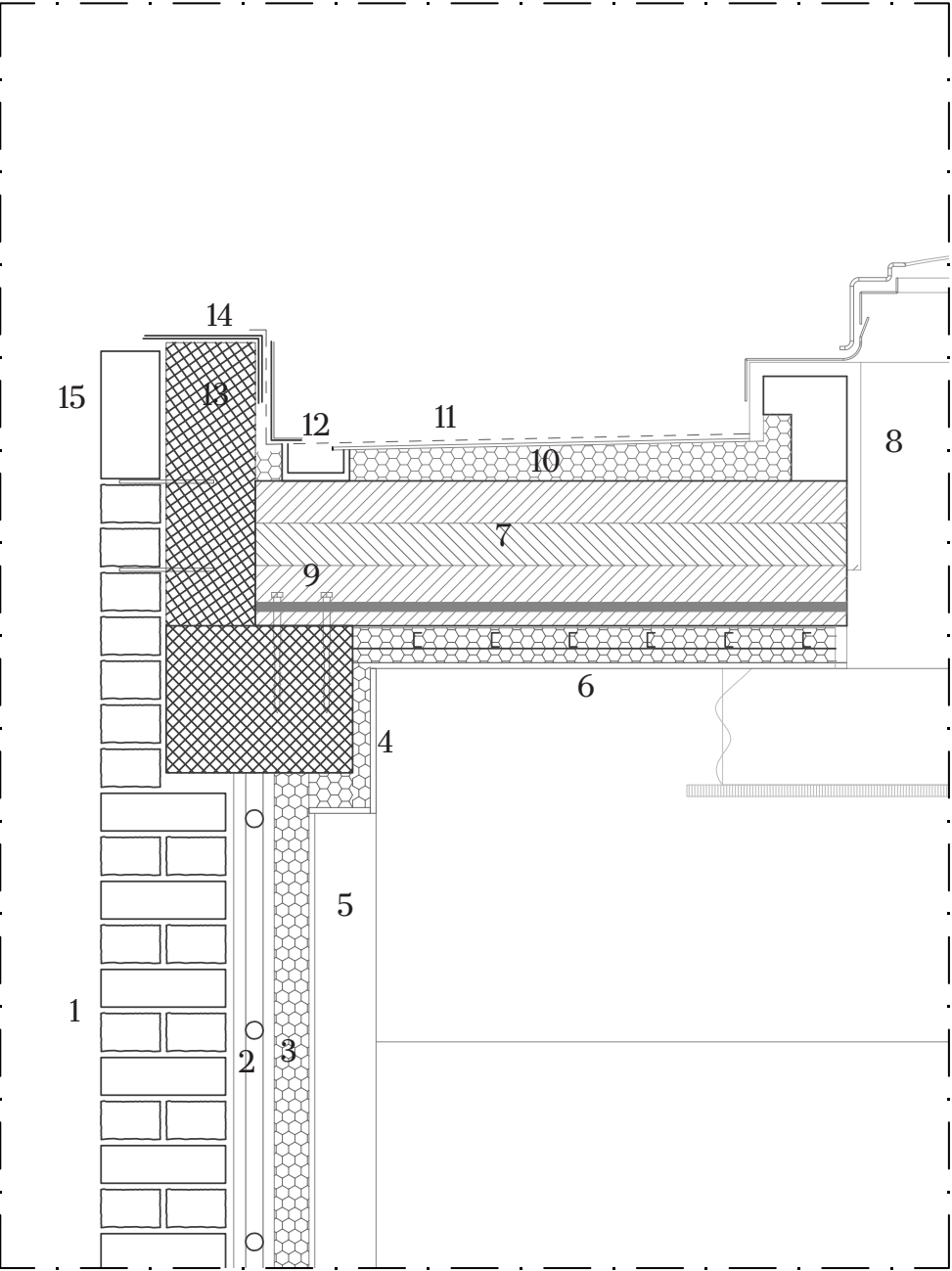




- 1 Limestone 16 cm
- 2 Cavity wall with cross bracing 4 cm
- 3 Insolation FoamGlass 8 cm
- 4 Concrete Base 24x110 cm
- 5 Insolation FoamGlass 20 cm ground connection
- 6 Raised plywood floor 3 cm
- 7 Screed and Anti-impact 10 cm
- 8 Cavity for implants
- 9 Plywood beams 20 cm
- 10 Concrete perforatend platform
- 11 Igloo system for humidity and radon
- 13 Gravel
- 14 Exit gate for umidity and radon



- 1 Old bricks 21.5 cm
- 2 Metal grid and concrete 8.2 cm
- 3 Insolation FoamGlass 8 cm
- 4 Exposed beam 37x24 cm
- 5 XLam slab 25 cm
- 6 Anti-impact 3 cm with timber flooring
- 7 Insolation FoamGlass 6 cm
- 8 Duble ceiling with Insolation FoamGlass 8 cm
- 9 Supporting strucutre (metal) for the window with insolation
- 10 Metal carter 2 m with sunshaderoll
- 11 Duble glazed window fixed
- 12 Recessed concrete column 40x20



- 1 Old bricks 21.5 cm
- 2 Metal grid and concrete 8.2 cm
- 3 Insolation FoamGlass 8 cm
- 4 Concrete Beam 24x24 cm
- 5 Recessed concrete column 40x20
- 6 XLam slab 25 cm
- 7 Duble ceiling with Insolation FoamGlass 8 cm
- 8 Skylight with metal cladding
- 9 Connection to the XLam beams
- 10 Inclined Insolation FoamGlass (two pieces) 6 cm
- 11 Waterproof barrier
- 12 Gutter
- 13 Concrete prefab crown 15x40
- 14 Protective flashing
- 15 Last brick line inverted

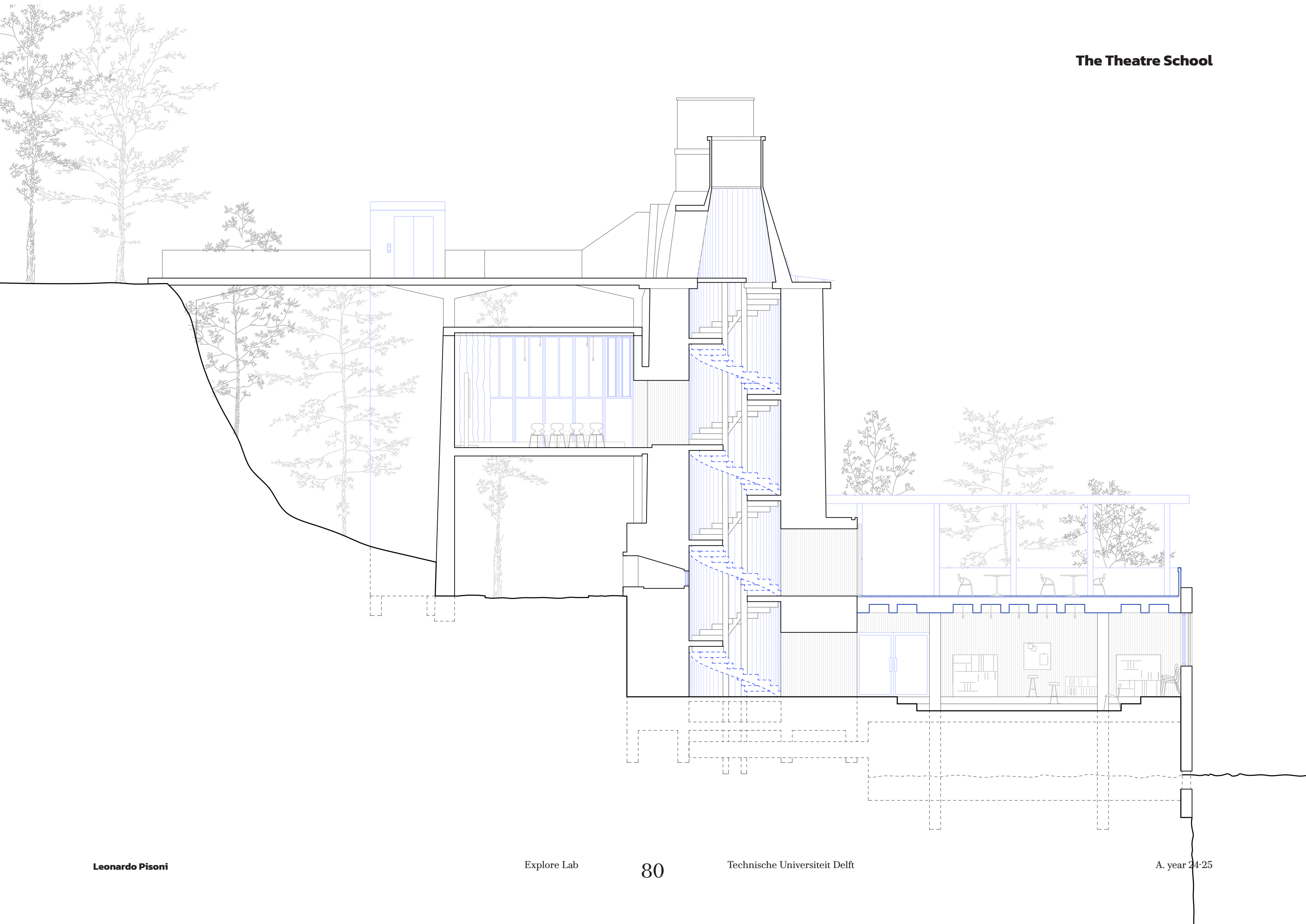


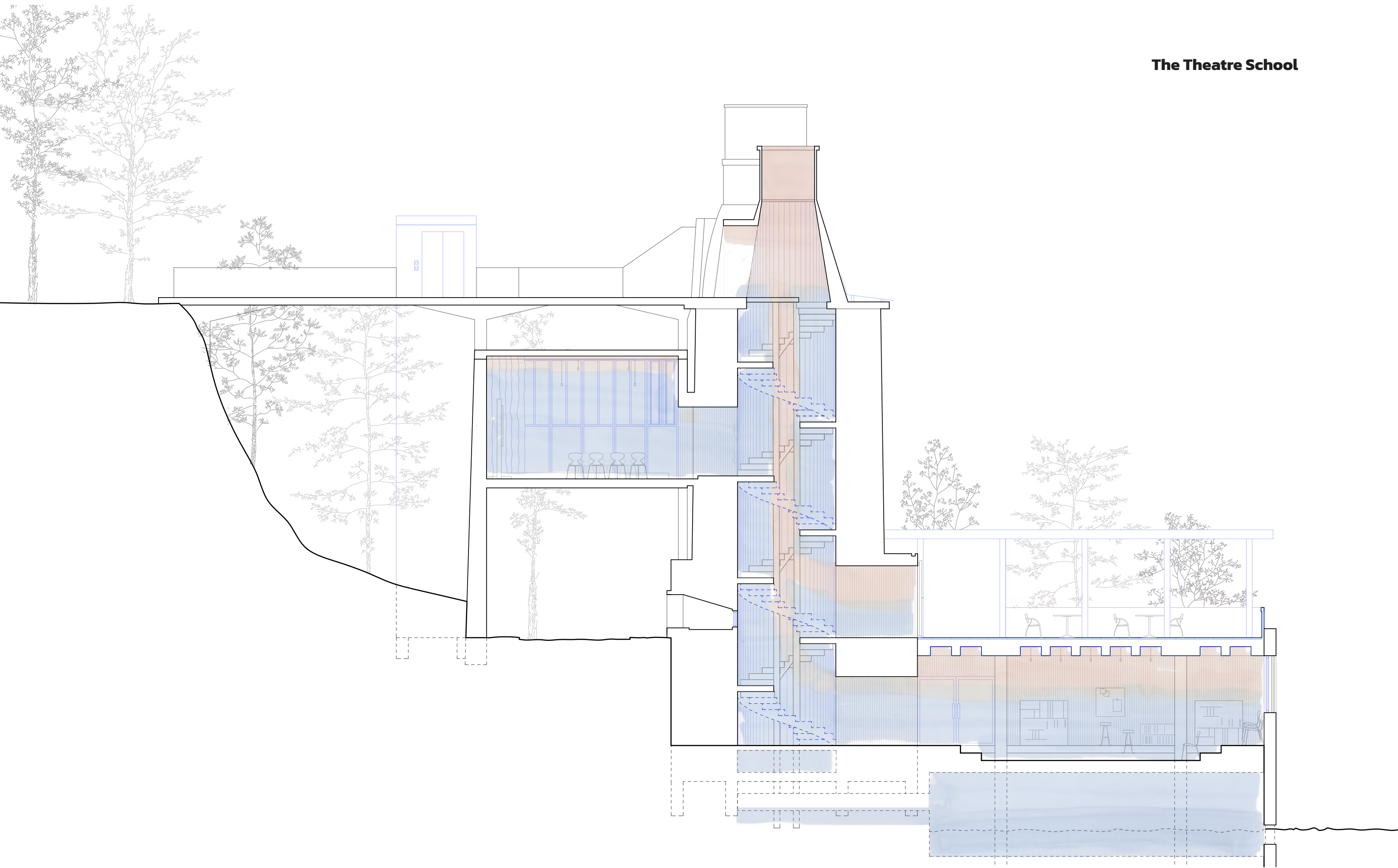


New stairs



Old chimneys

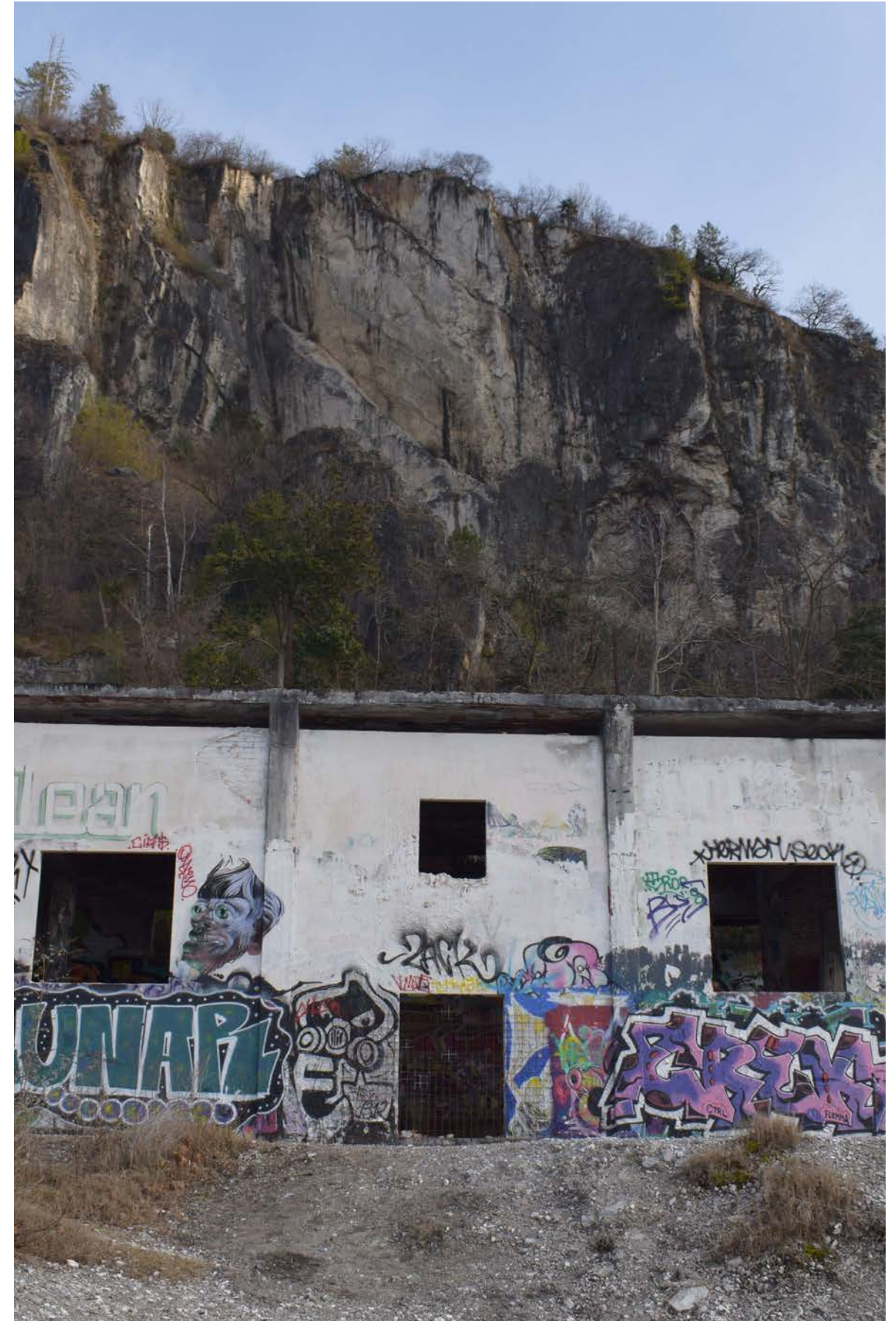




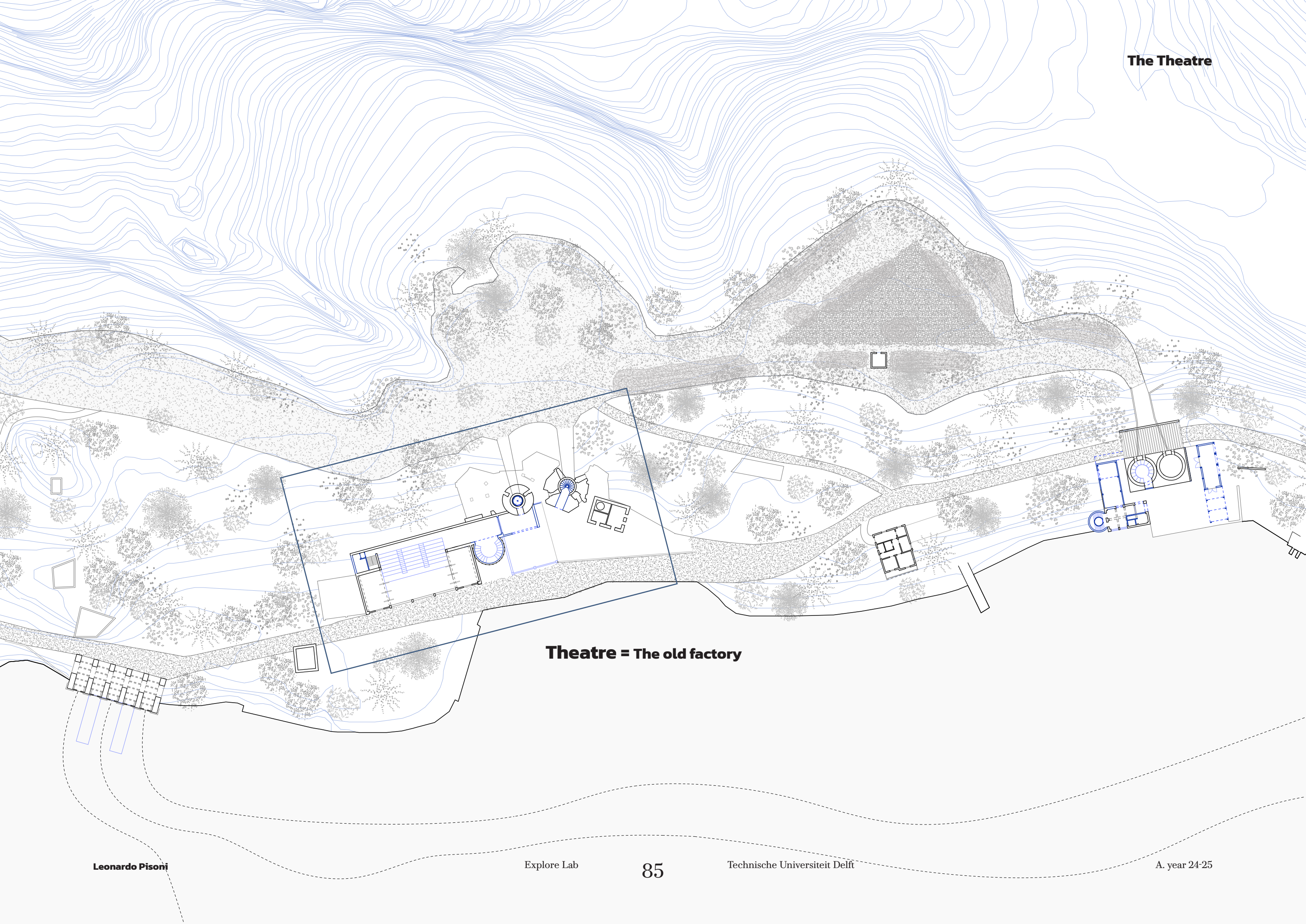




The Theatre



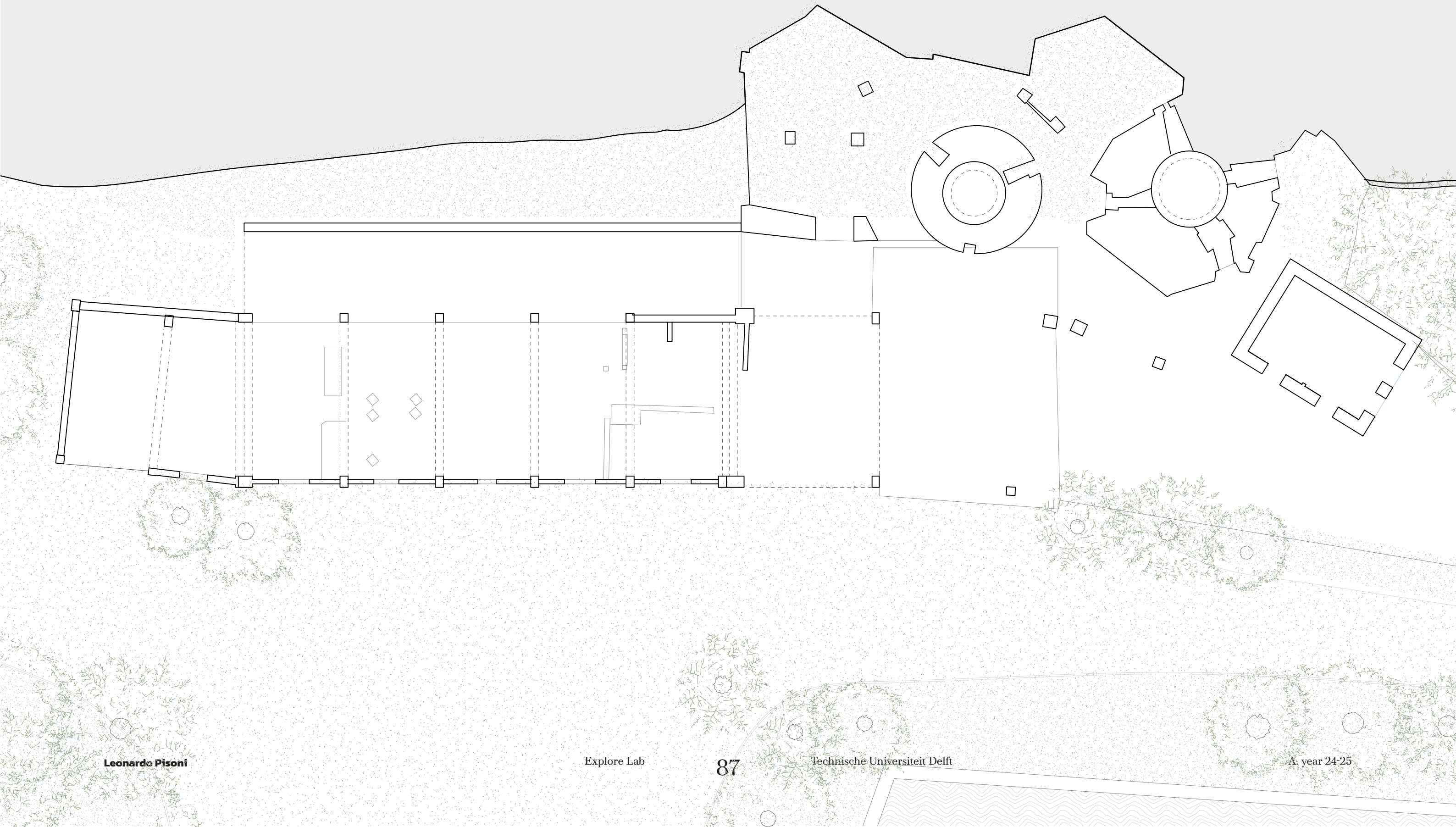
The Theatre



Theatre = The old factory

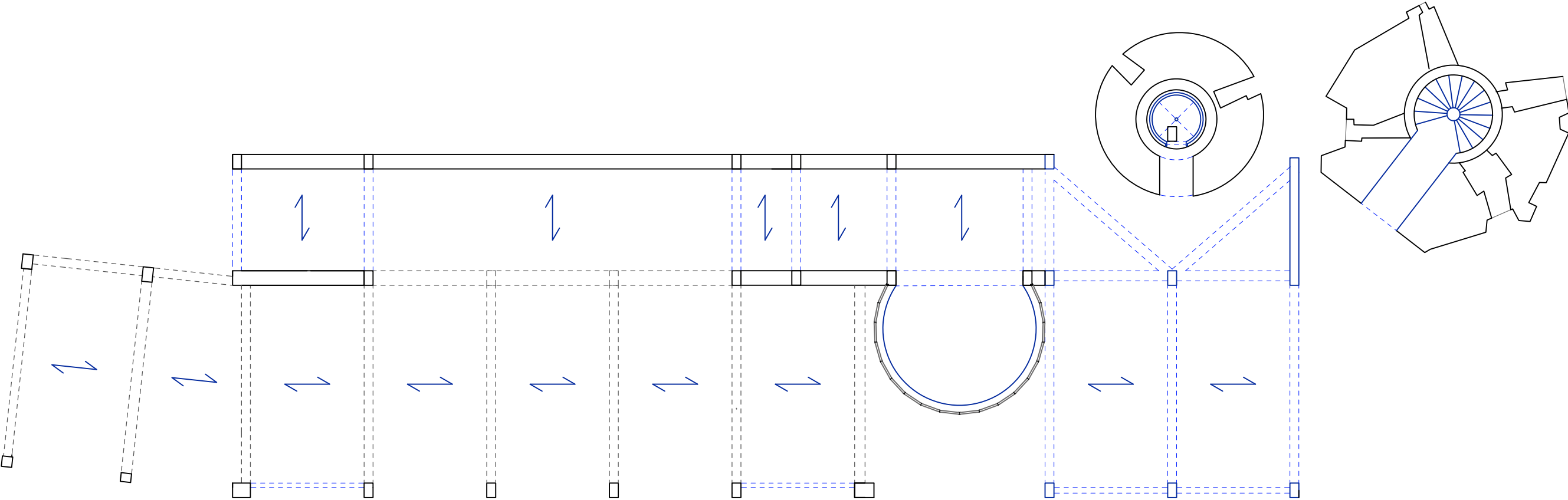


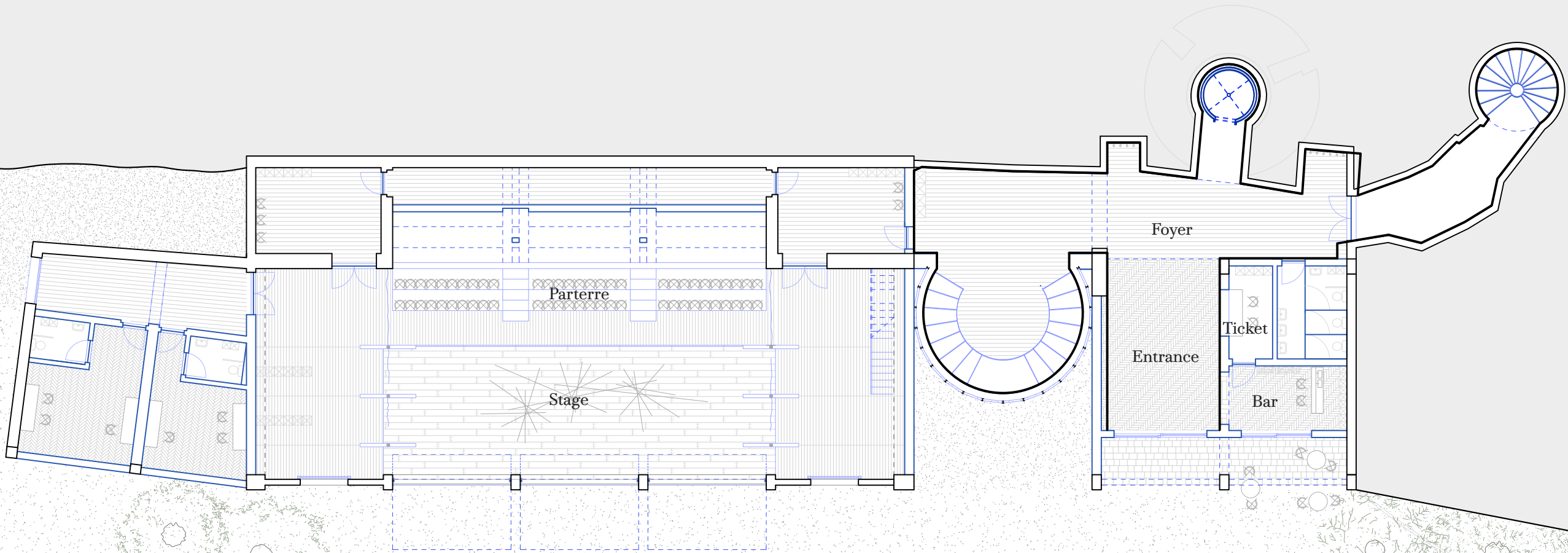
Flows: Theatre

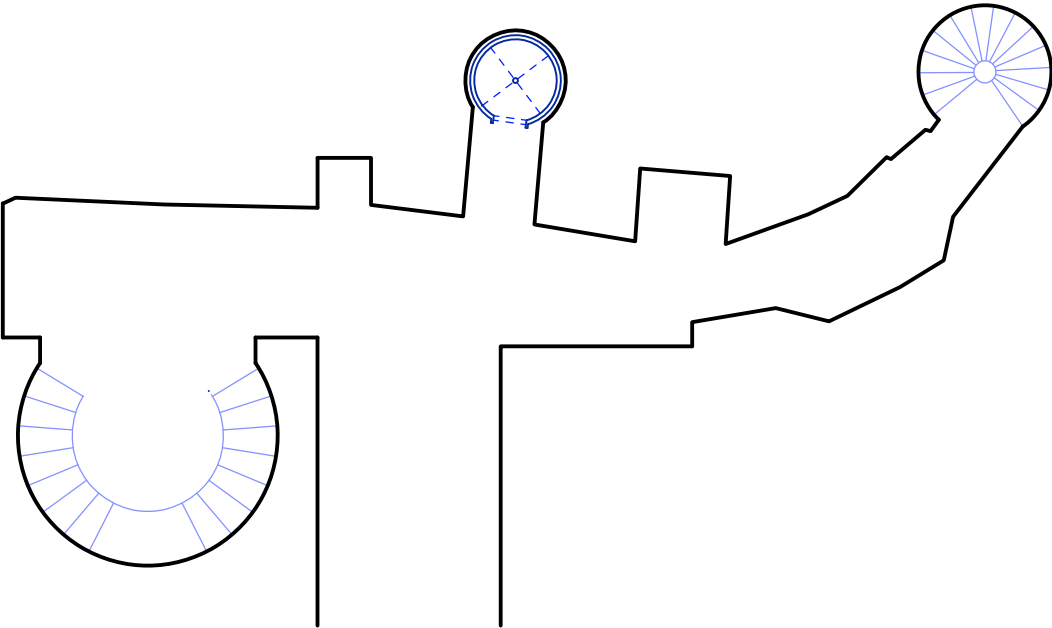


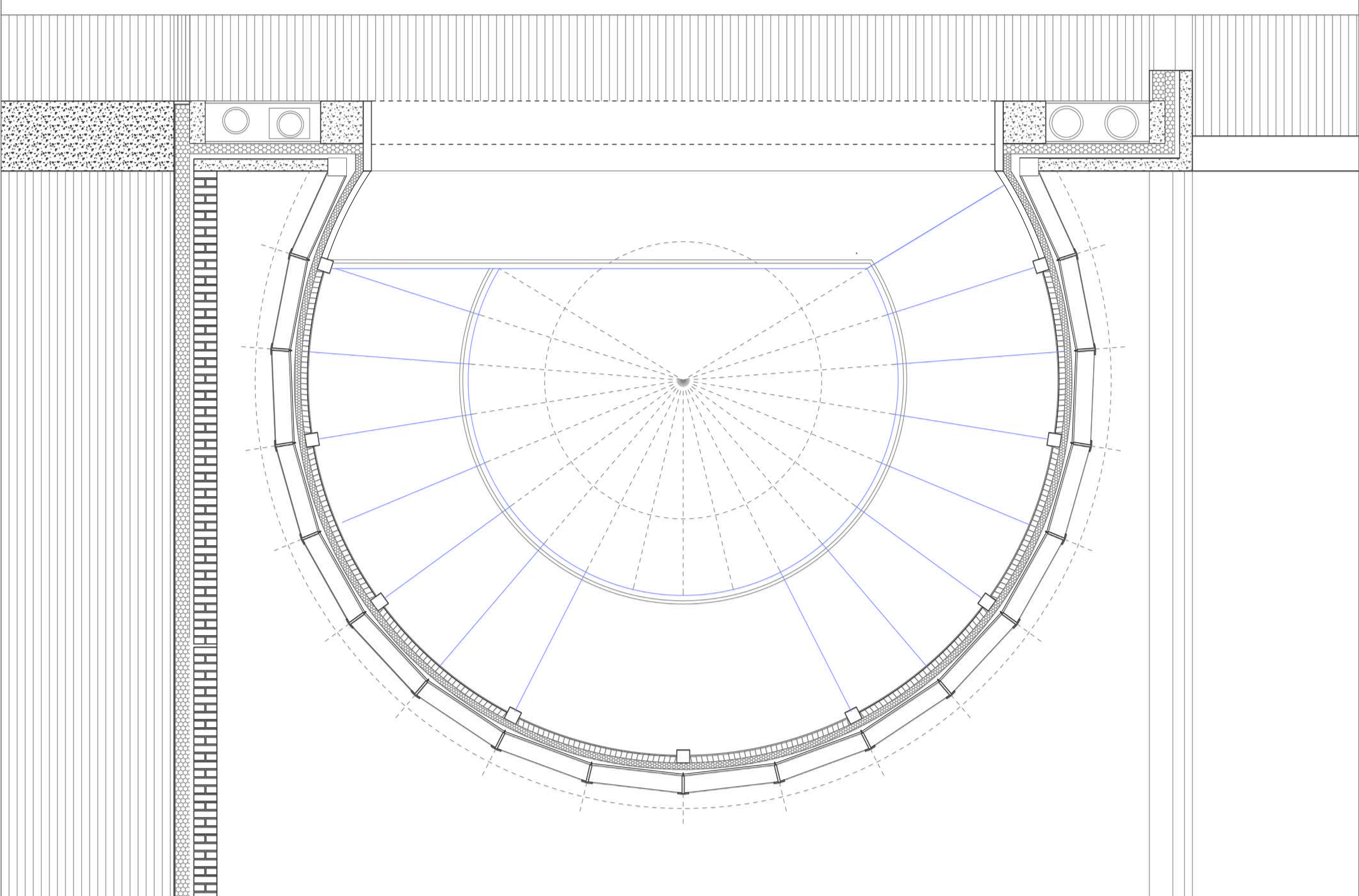




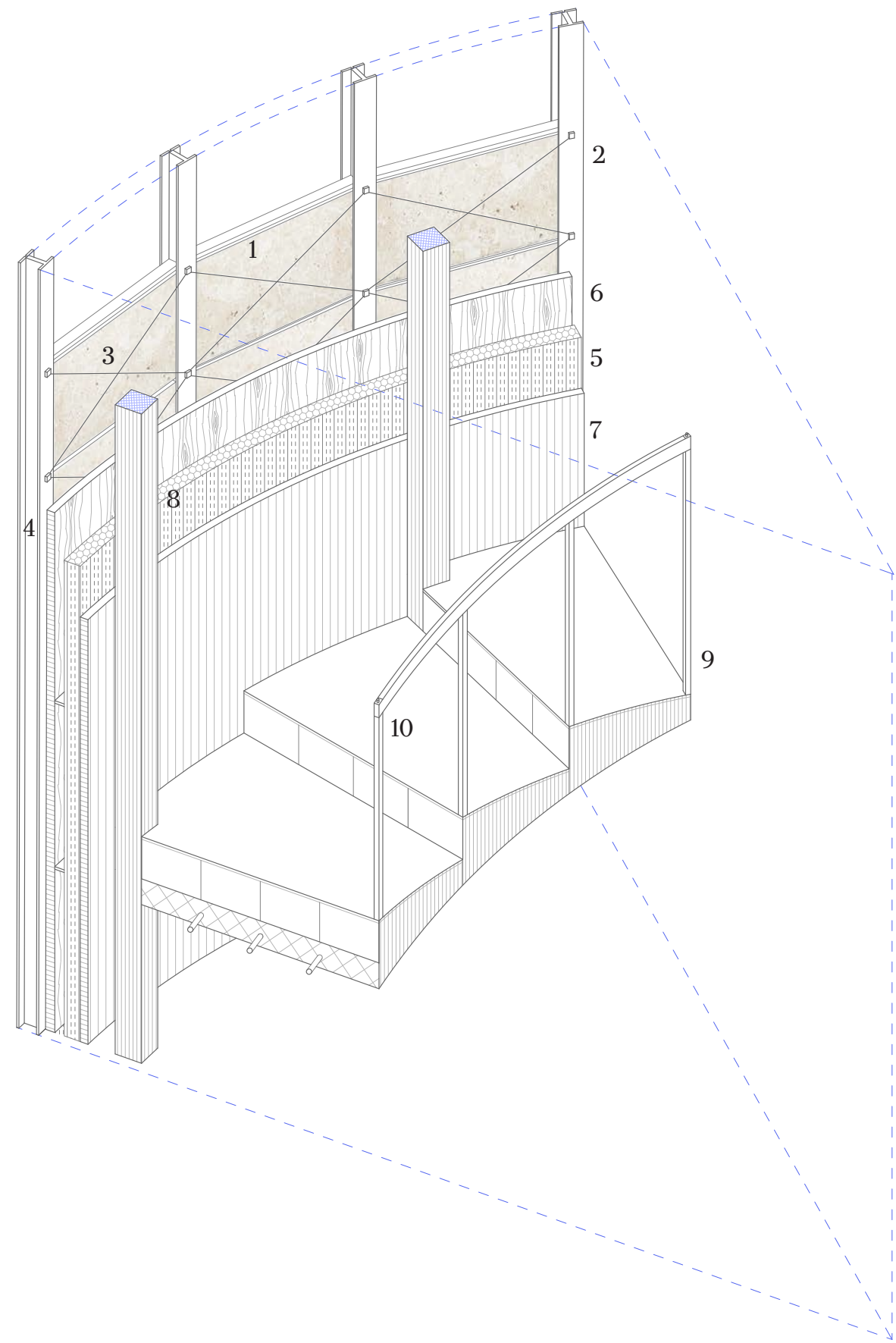




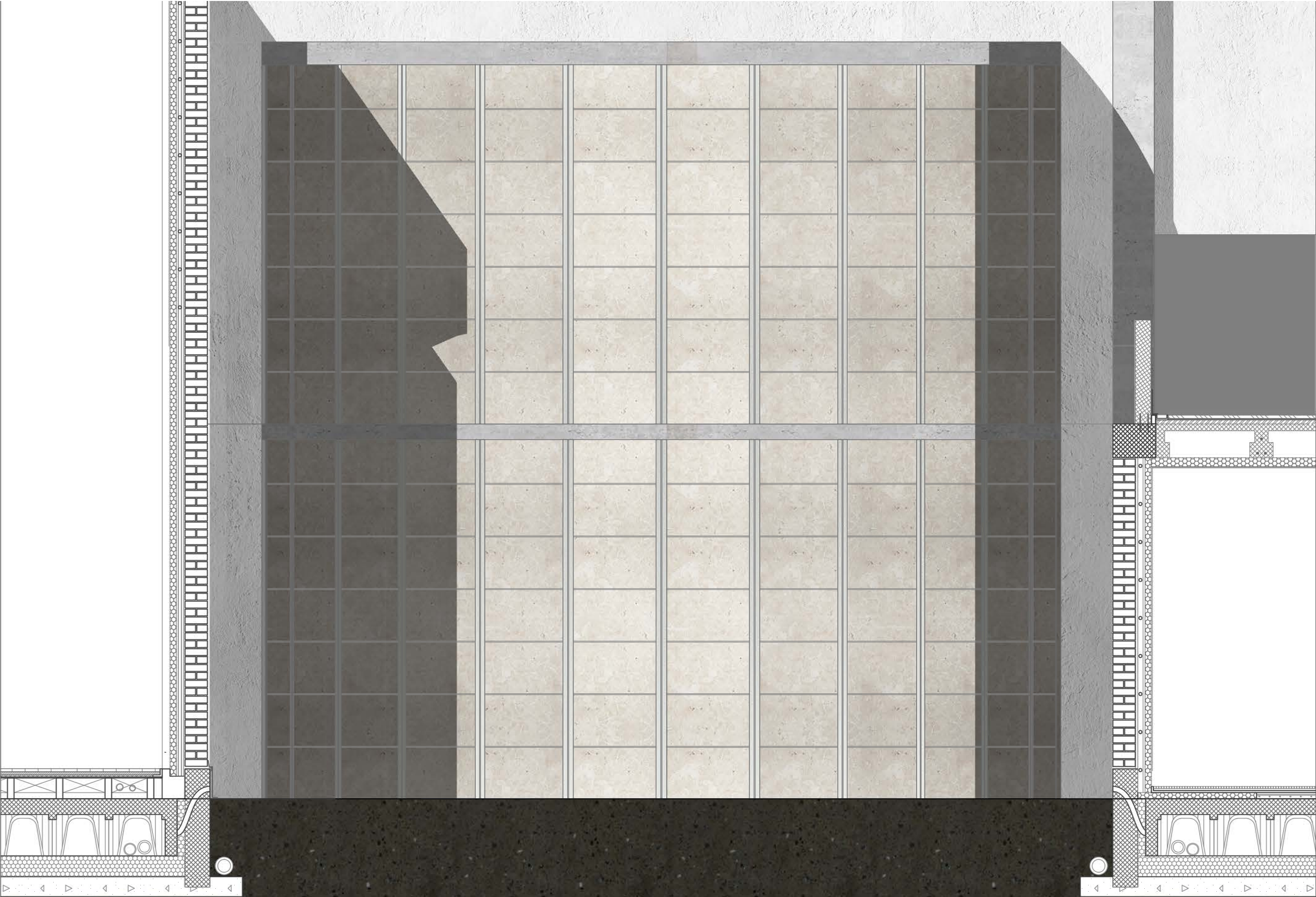




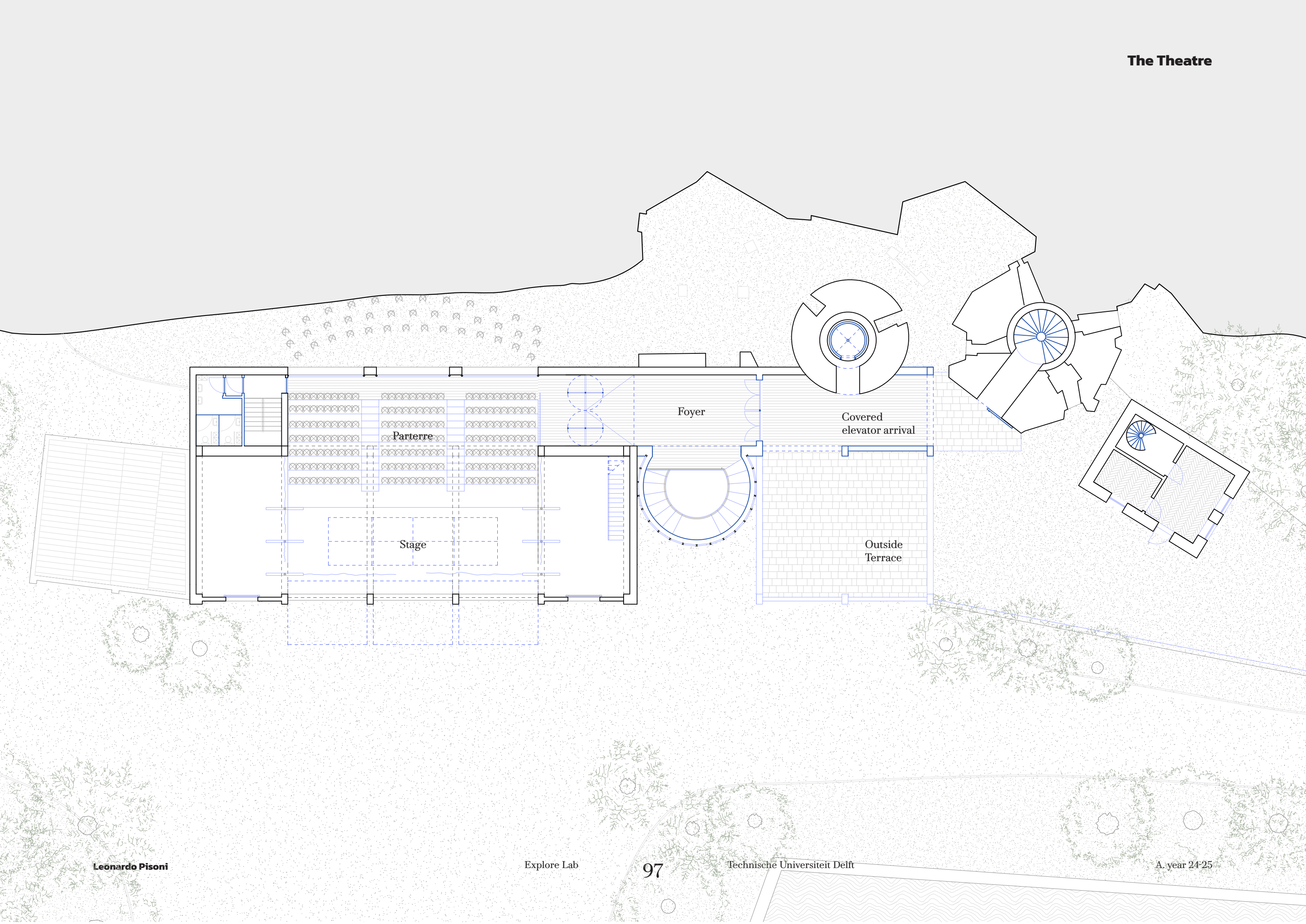
Flows: Theatre



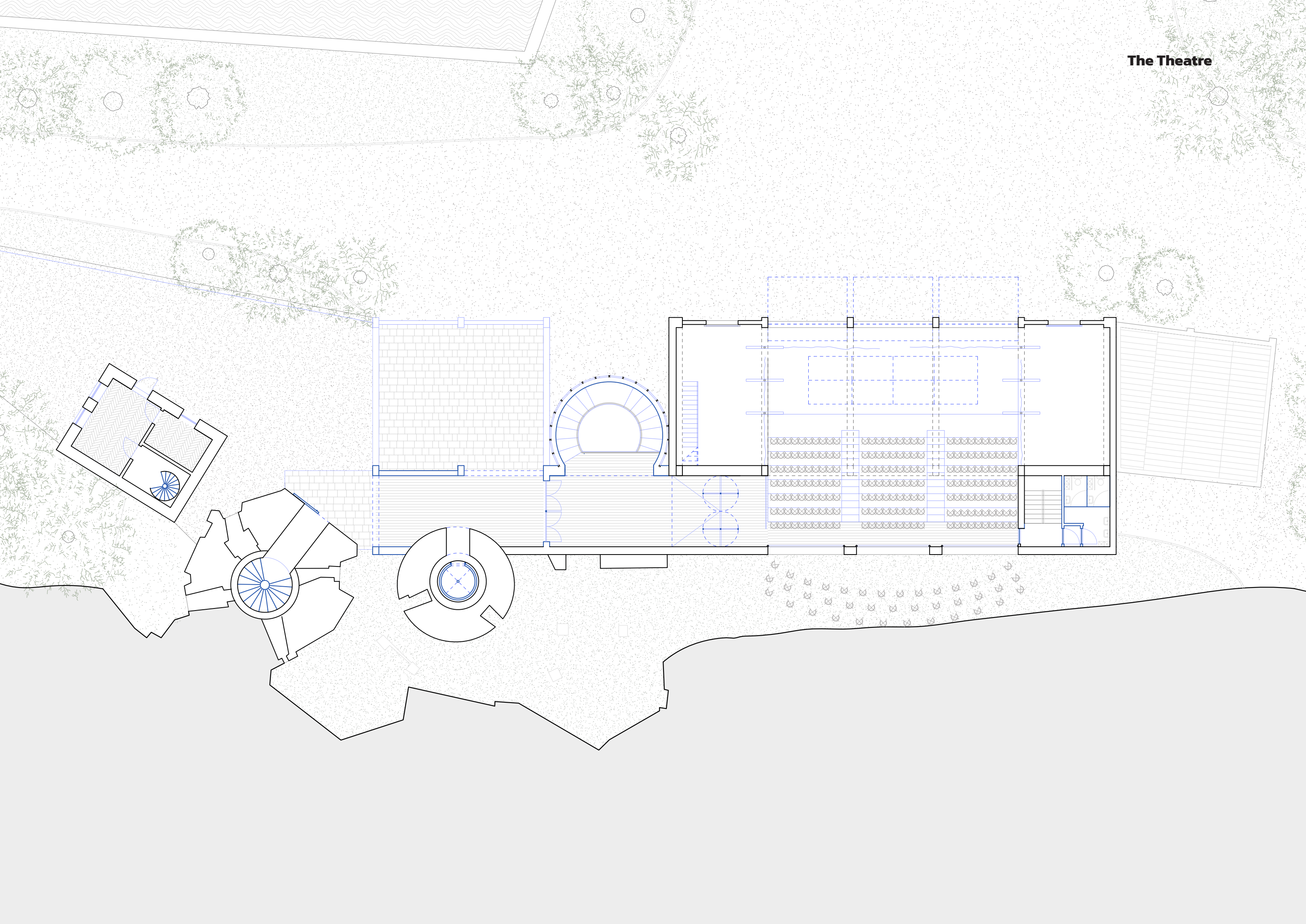
- 1 Limestone 16 cm
- 2 H beam 20 cm
- 3 Cross bracing, tension bars
- 4 Cavity wall 4 cm
- 5 Plywood panel 2 cm
- 6 Insulation FoamGlass 13 cm
- 7 Foldable metal structure for cladding 1 cm
- 8 Support structure for stairs 8x8 cm
- 9 Cast-in-place concrete stairs (load-bearing)
- 10 Cast in metal handrail

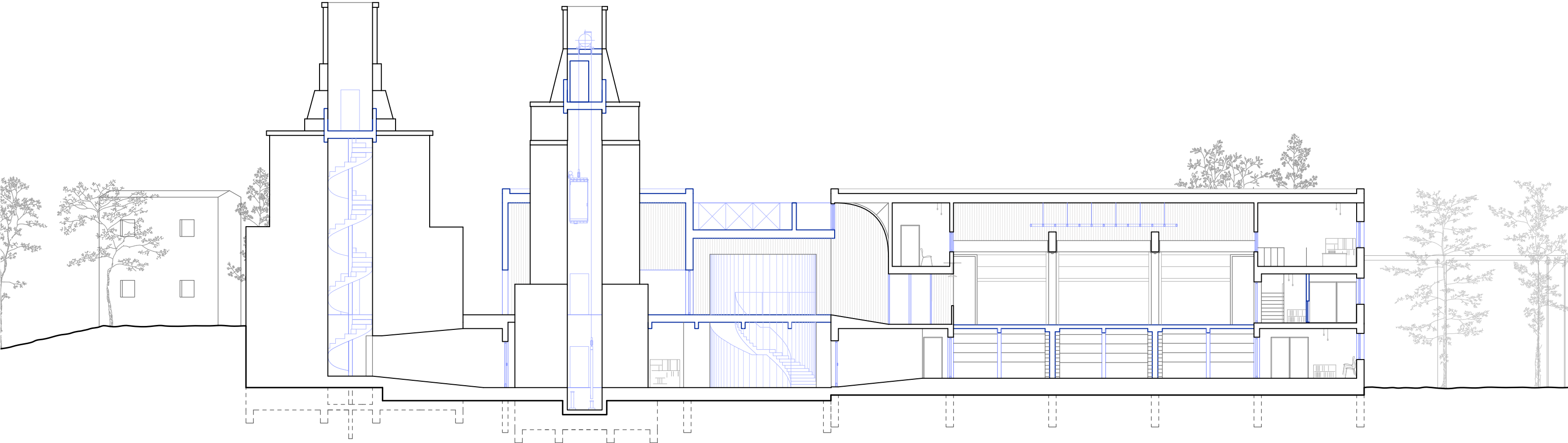




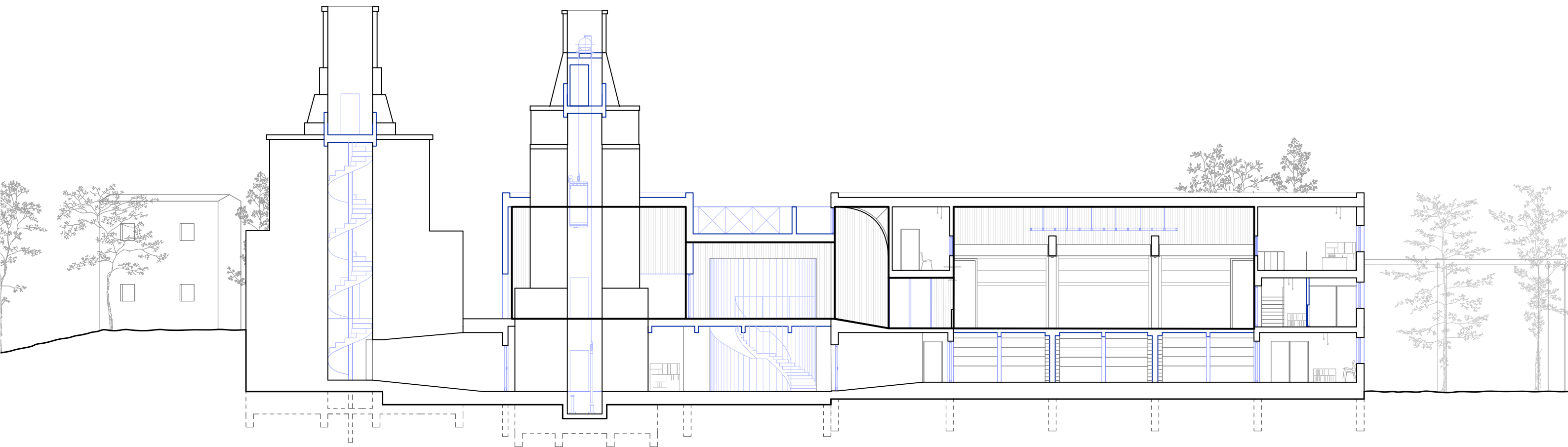


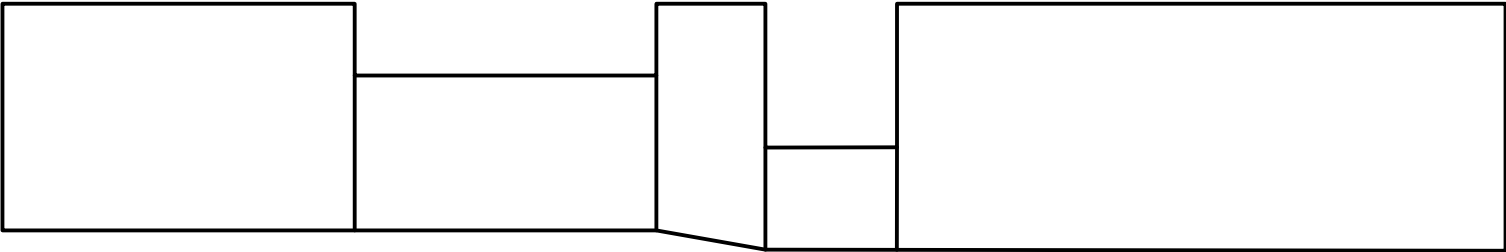
The Theatre

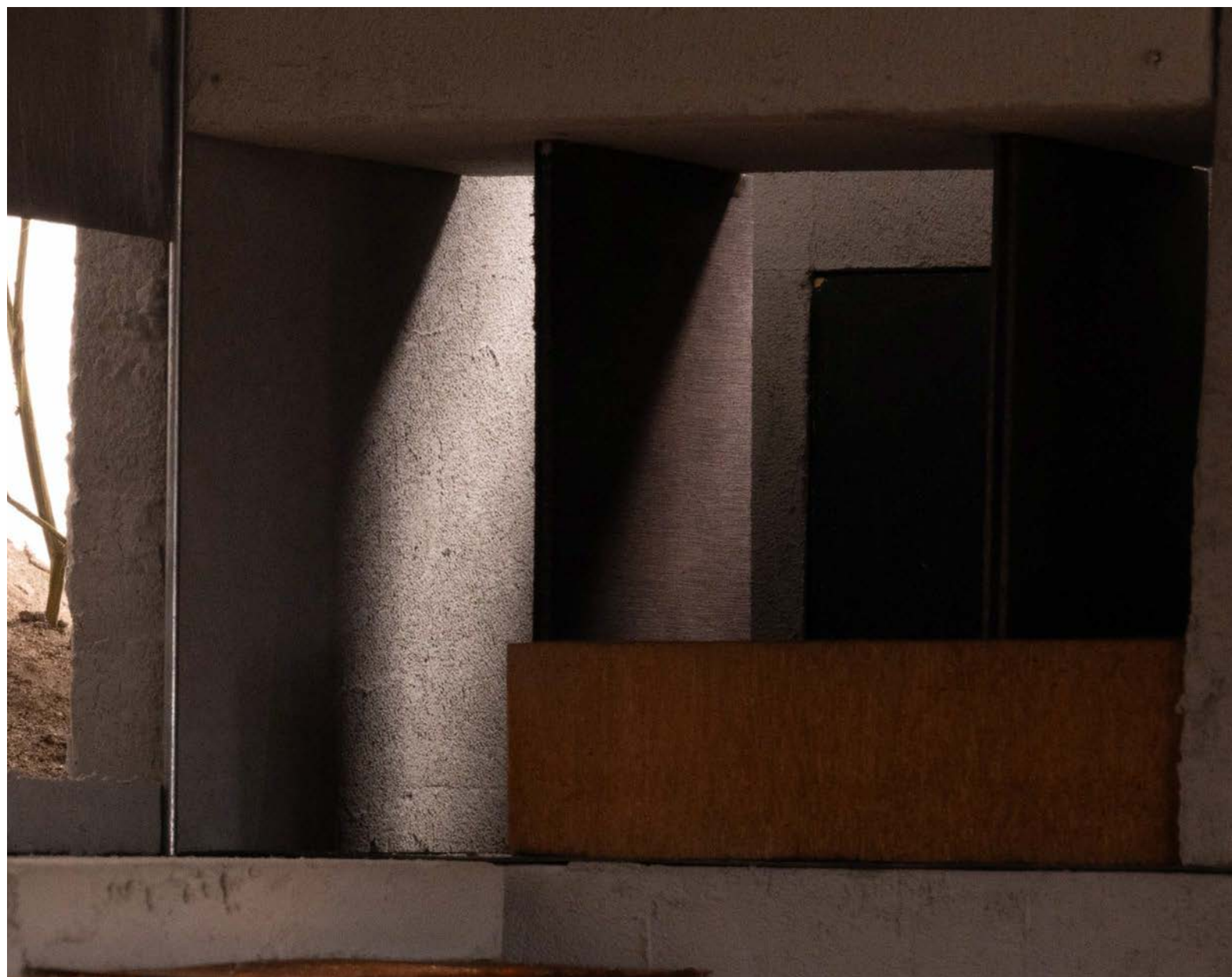


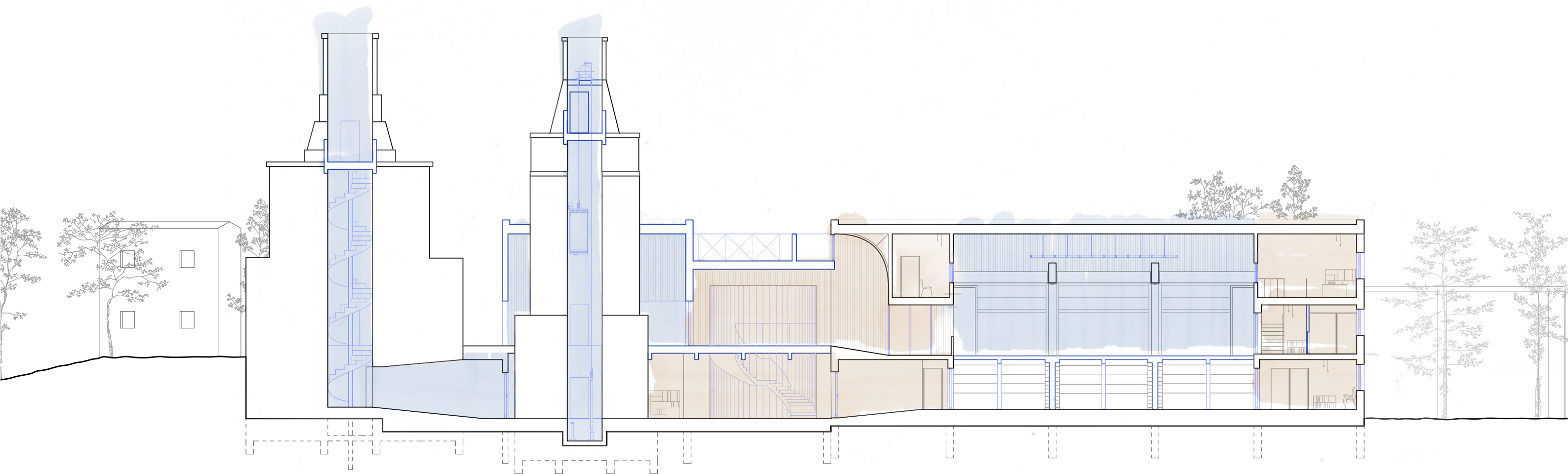


Flows: Theatre



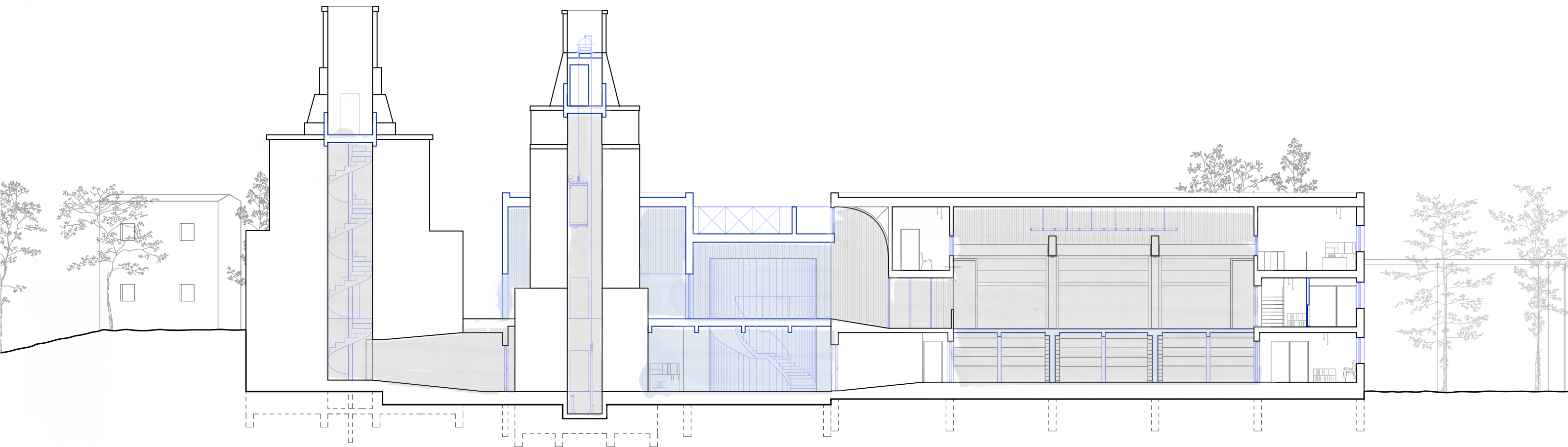


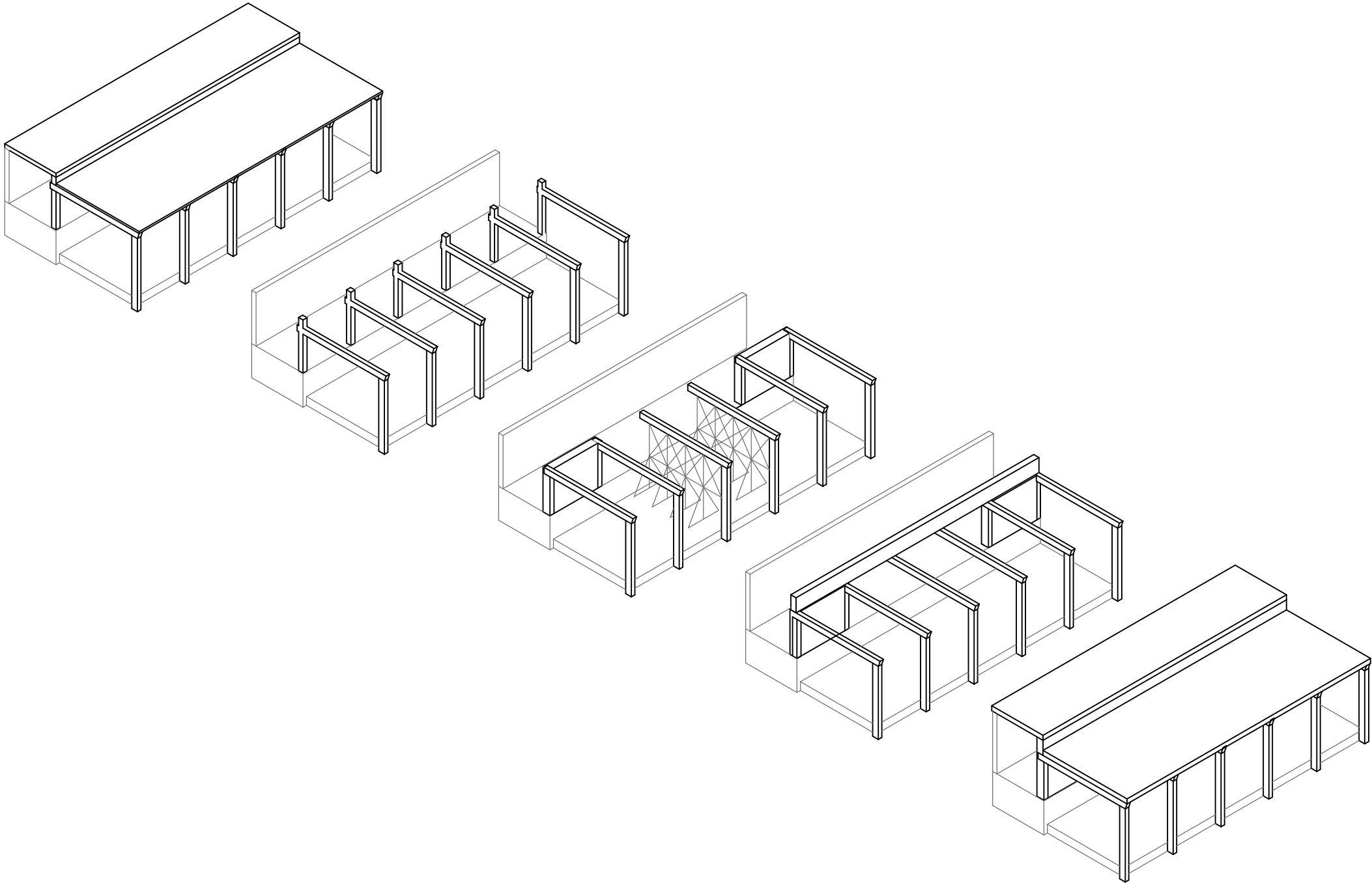


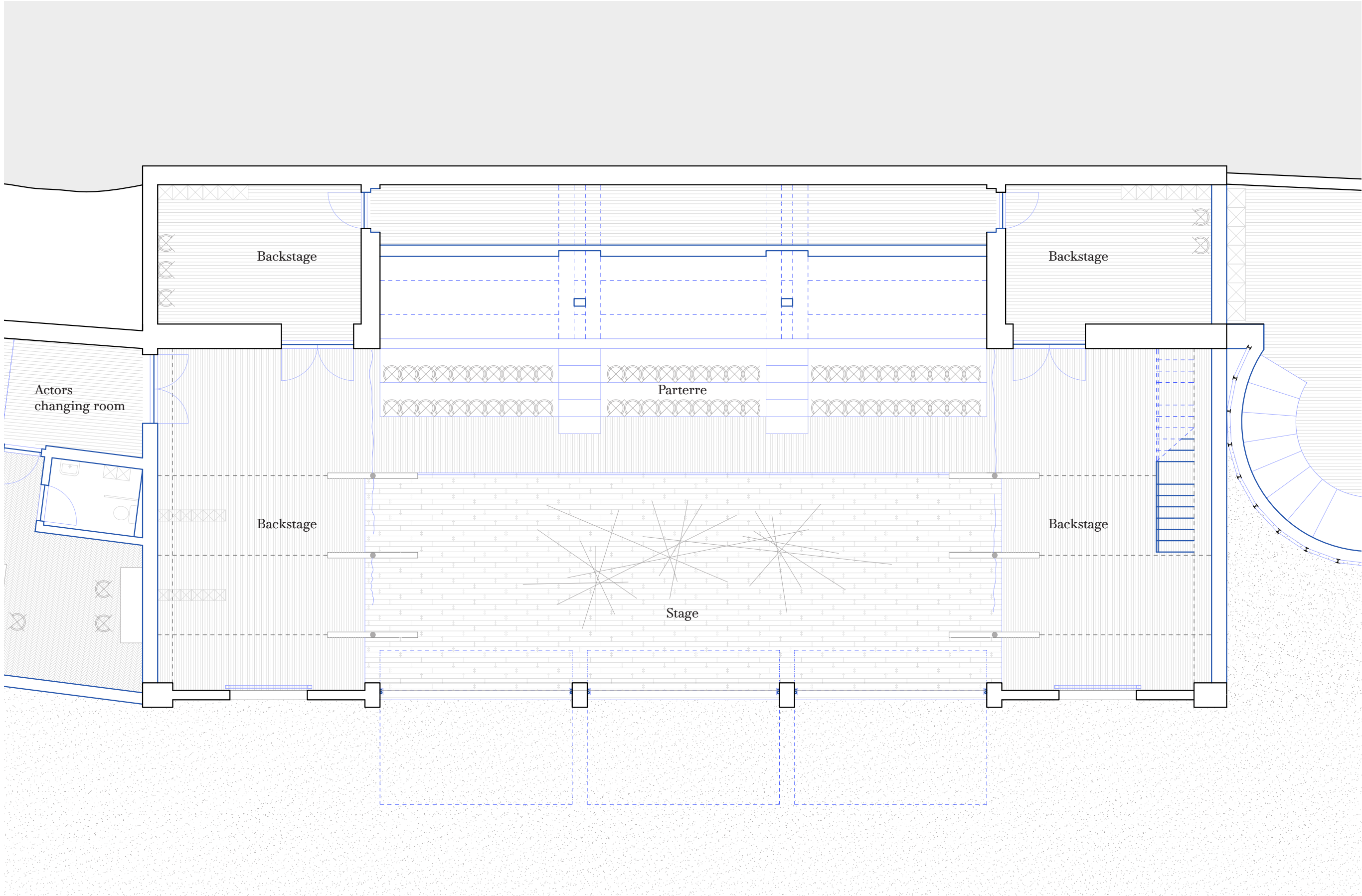


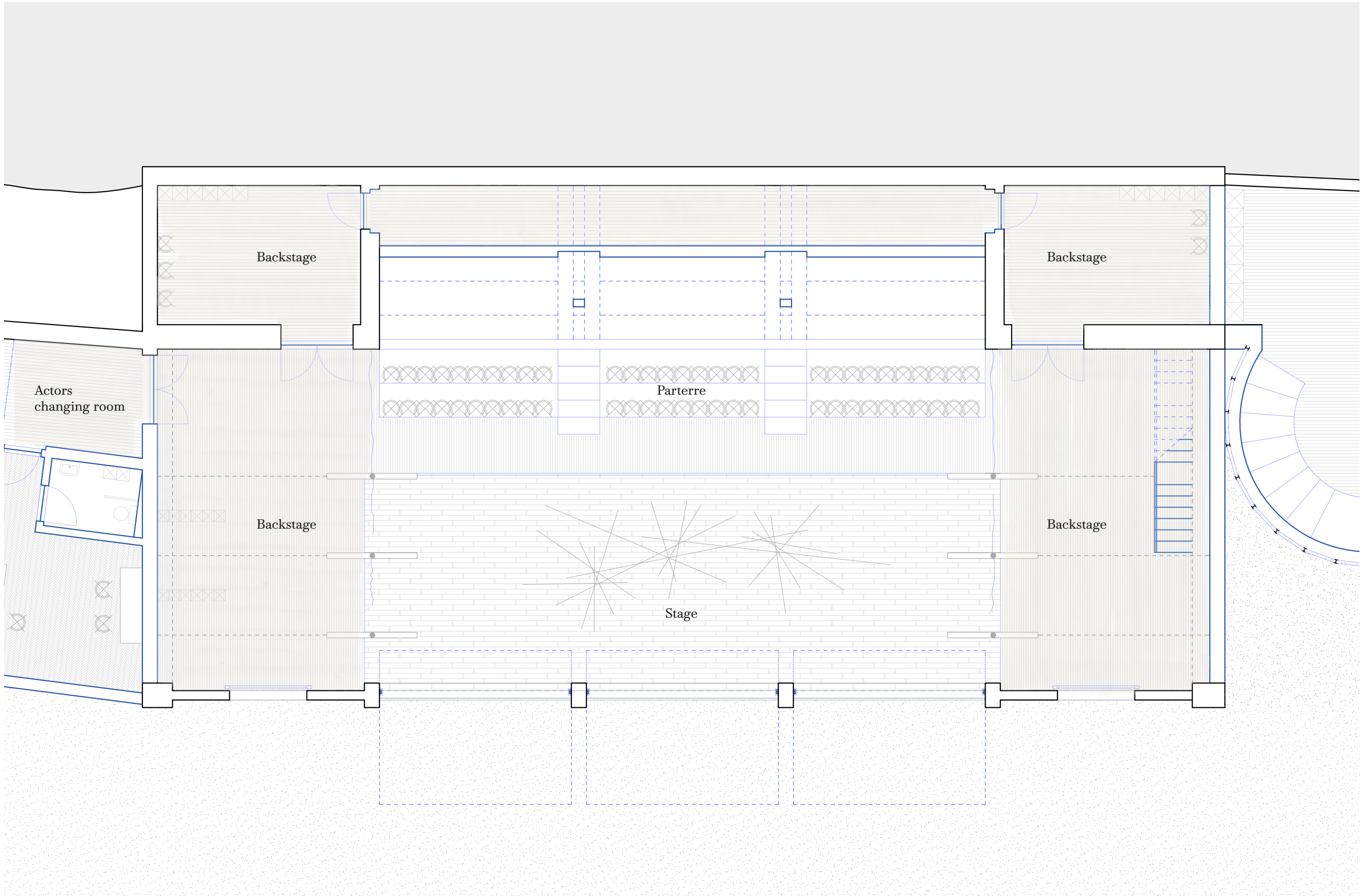
 **A/C climate**
 **non A/C climate**

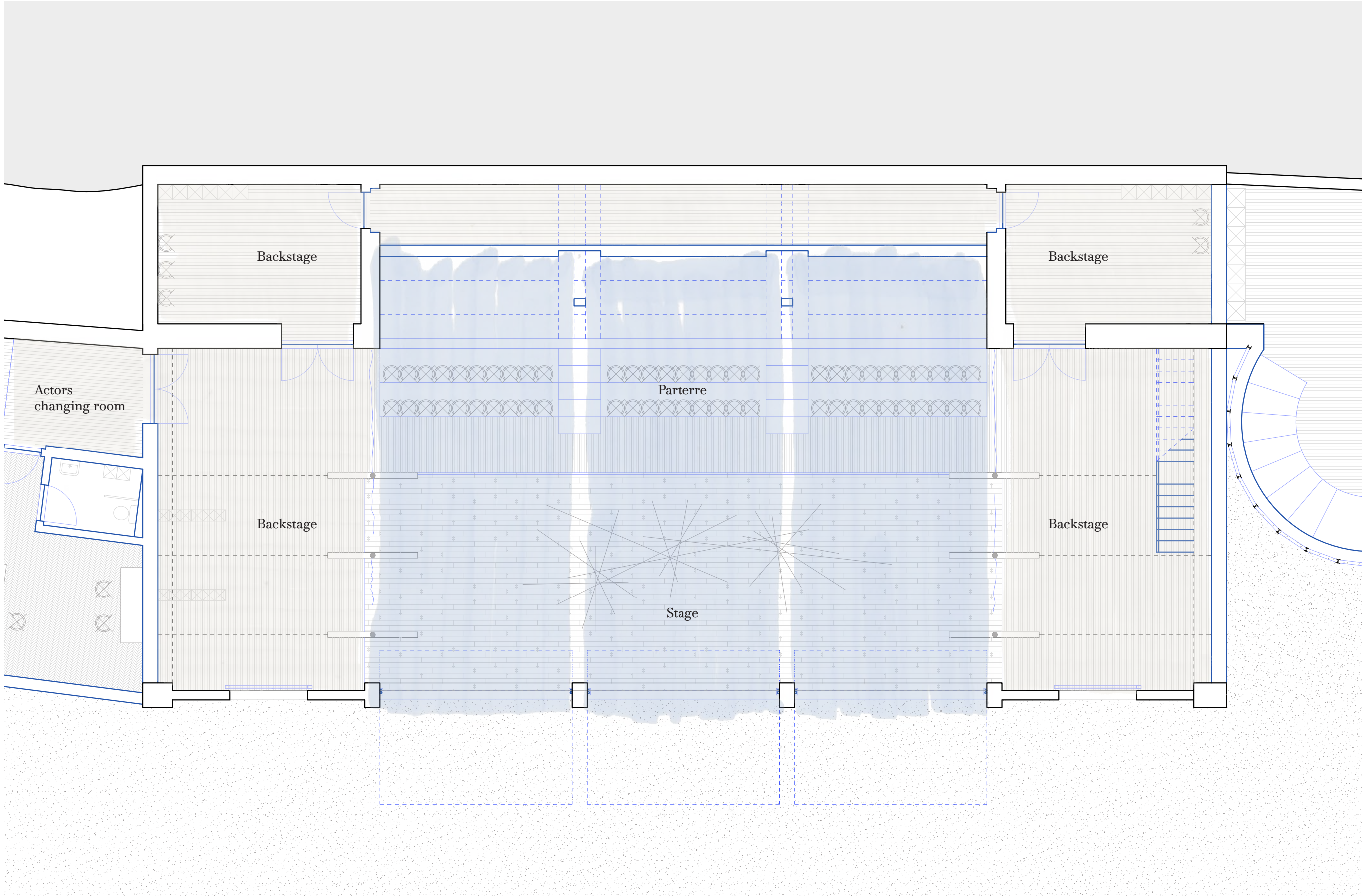
Climate design

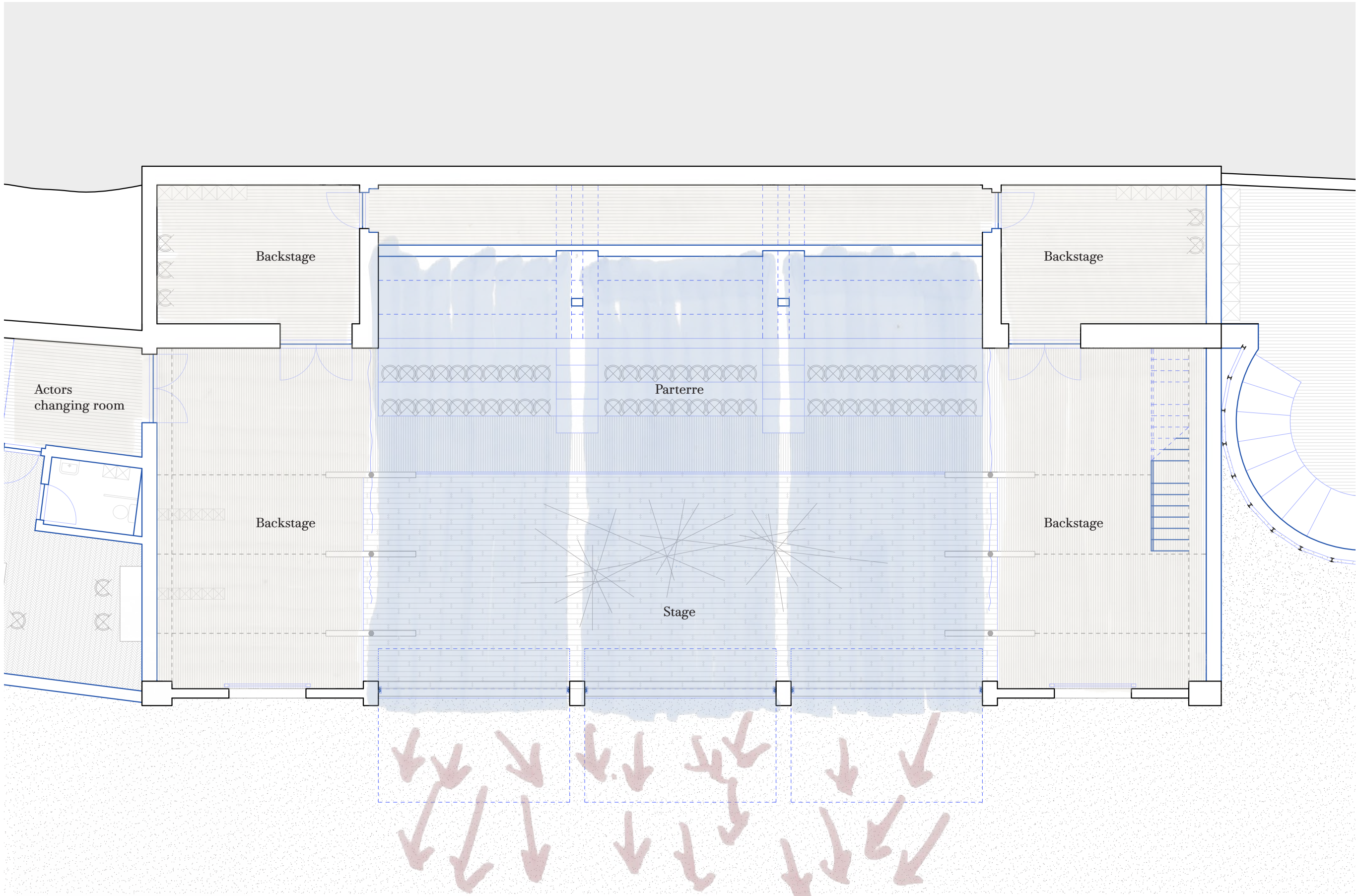


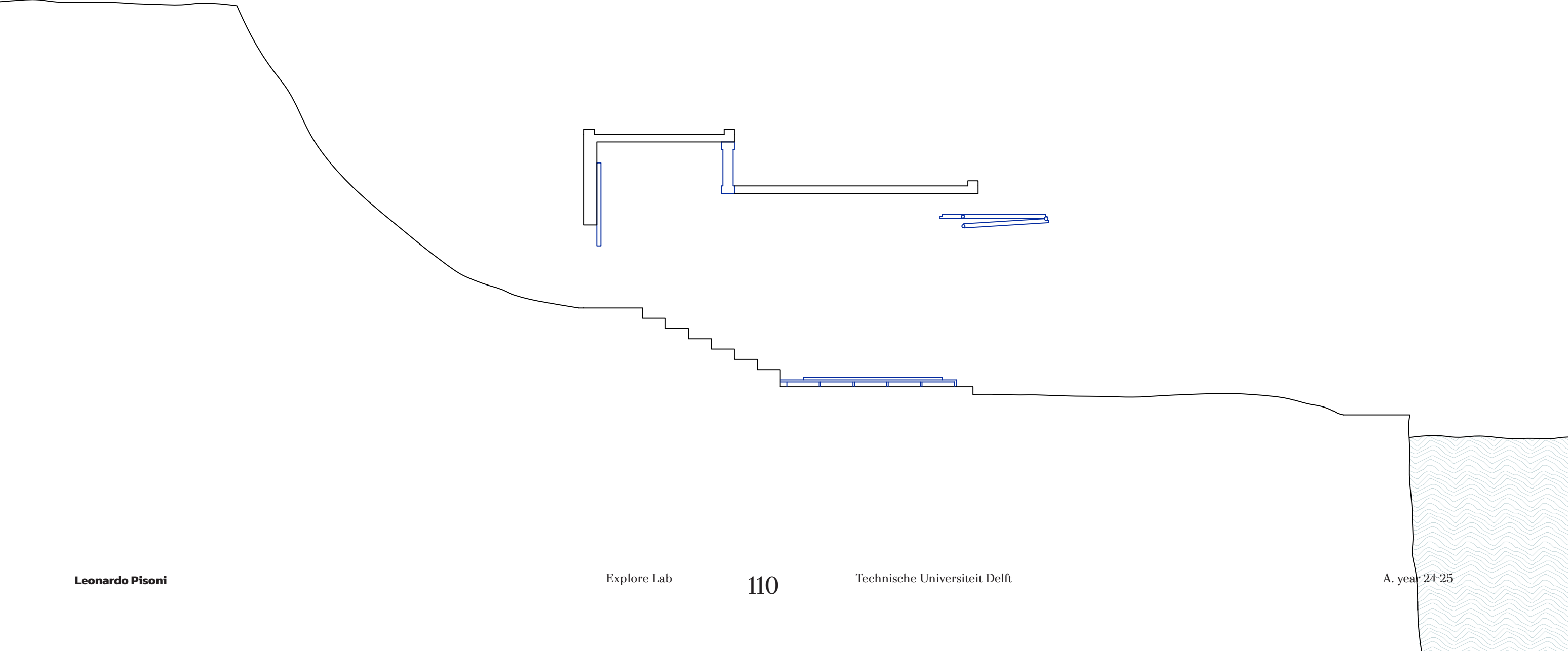


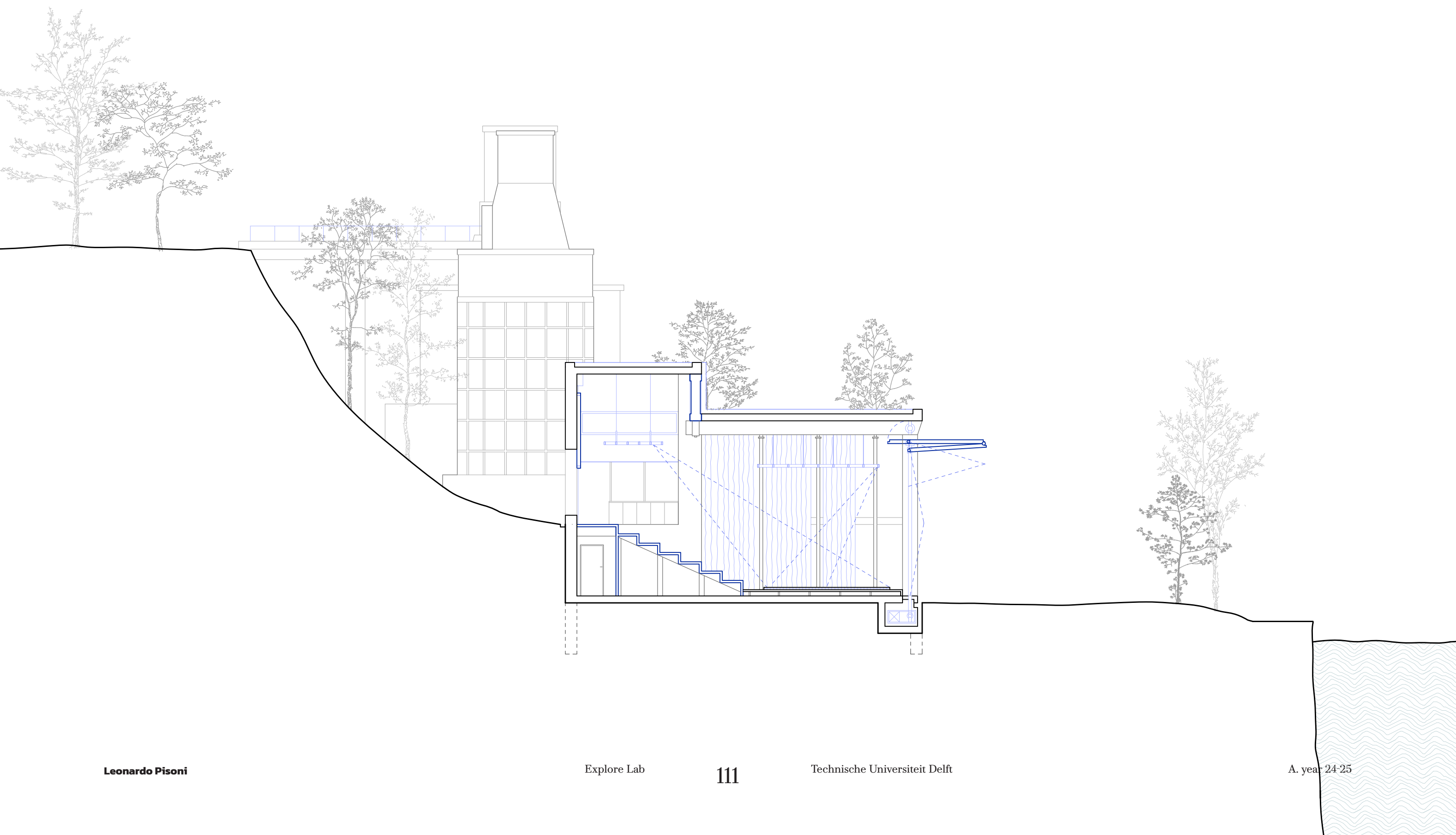


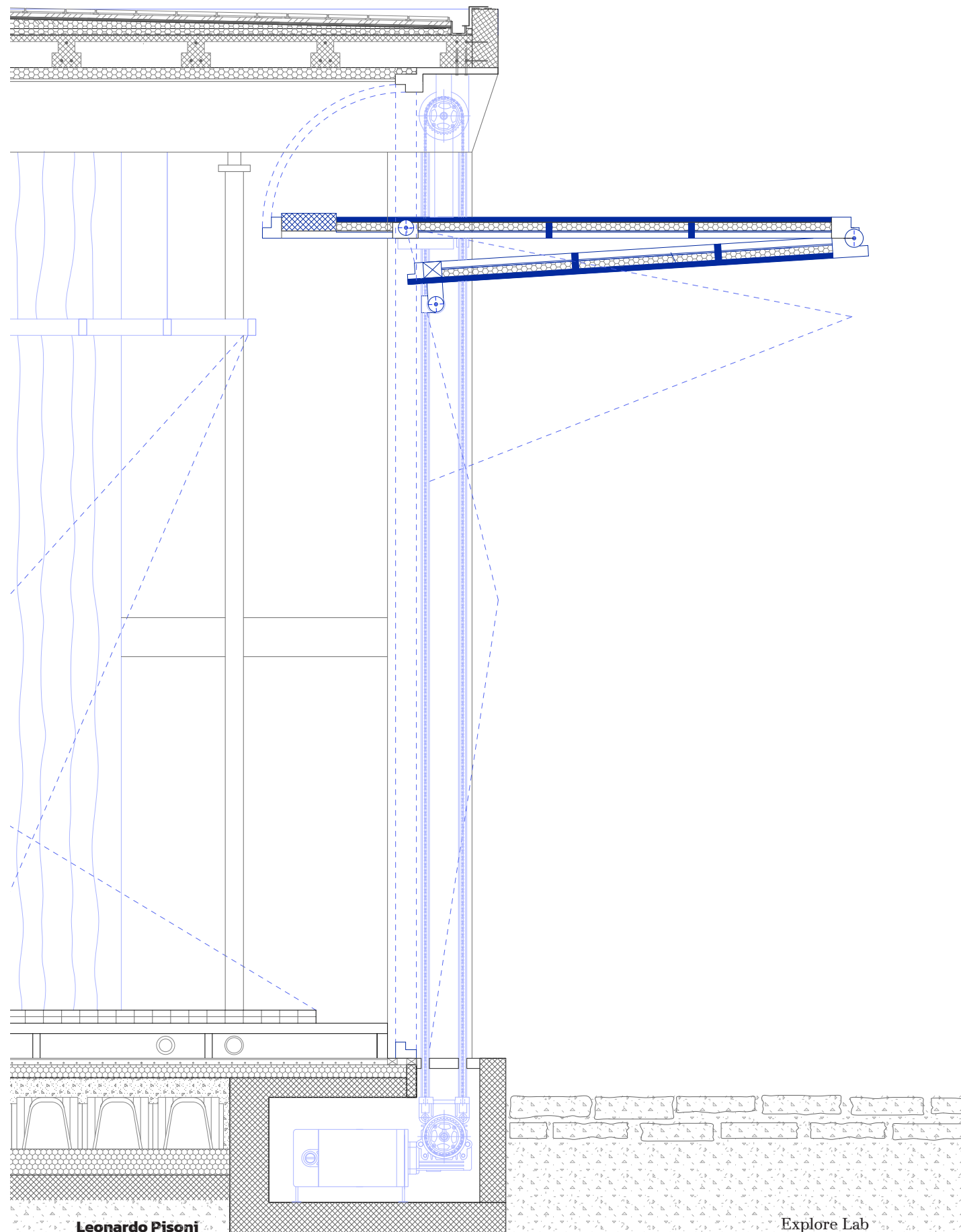










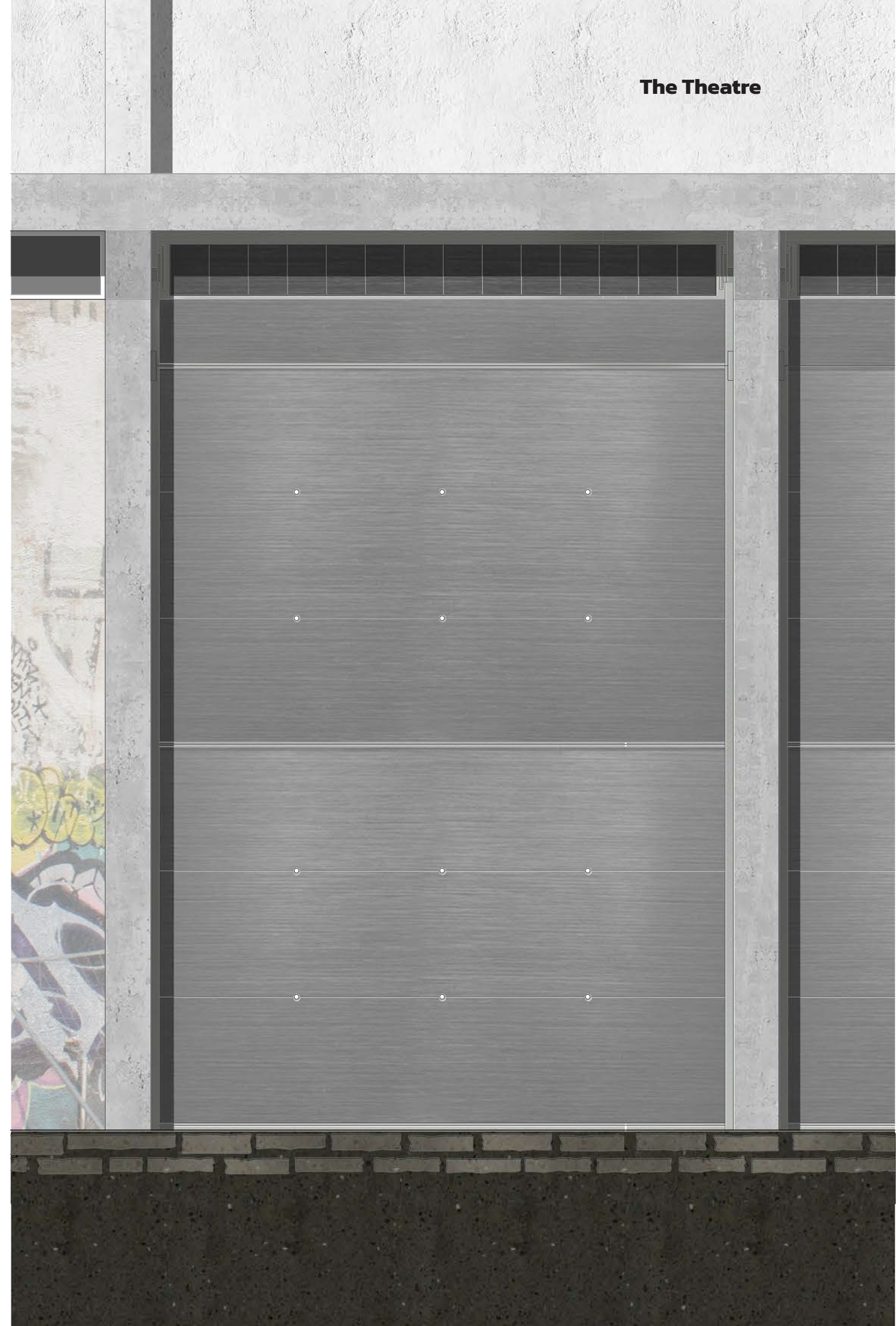


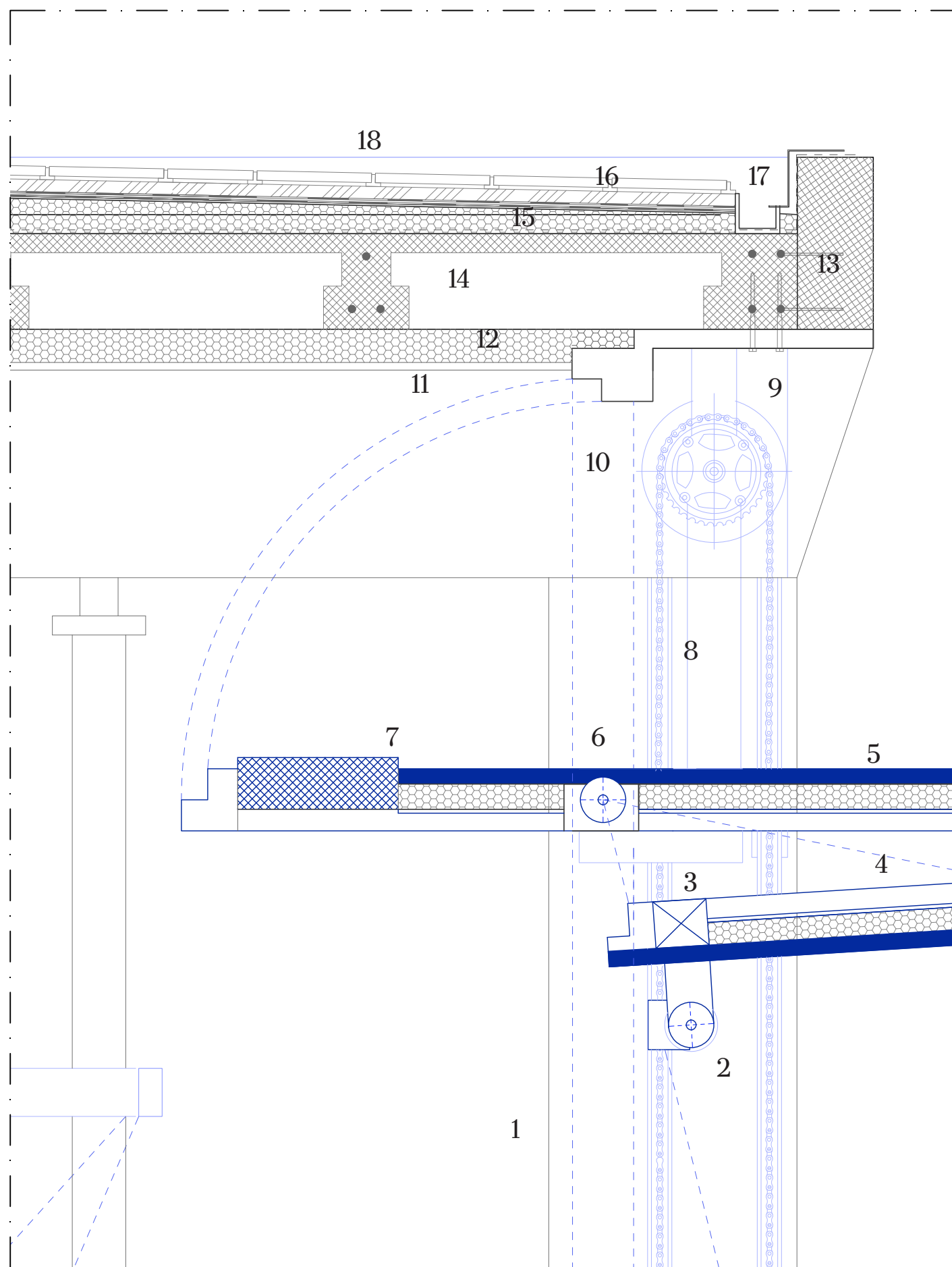
Leonardo Pisoni

Explore Lab

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The Theatre

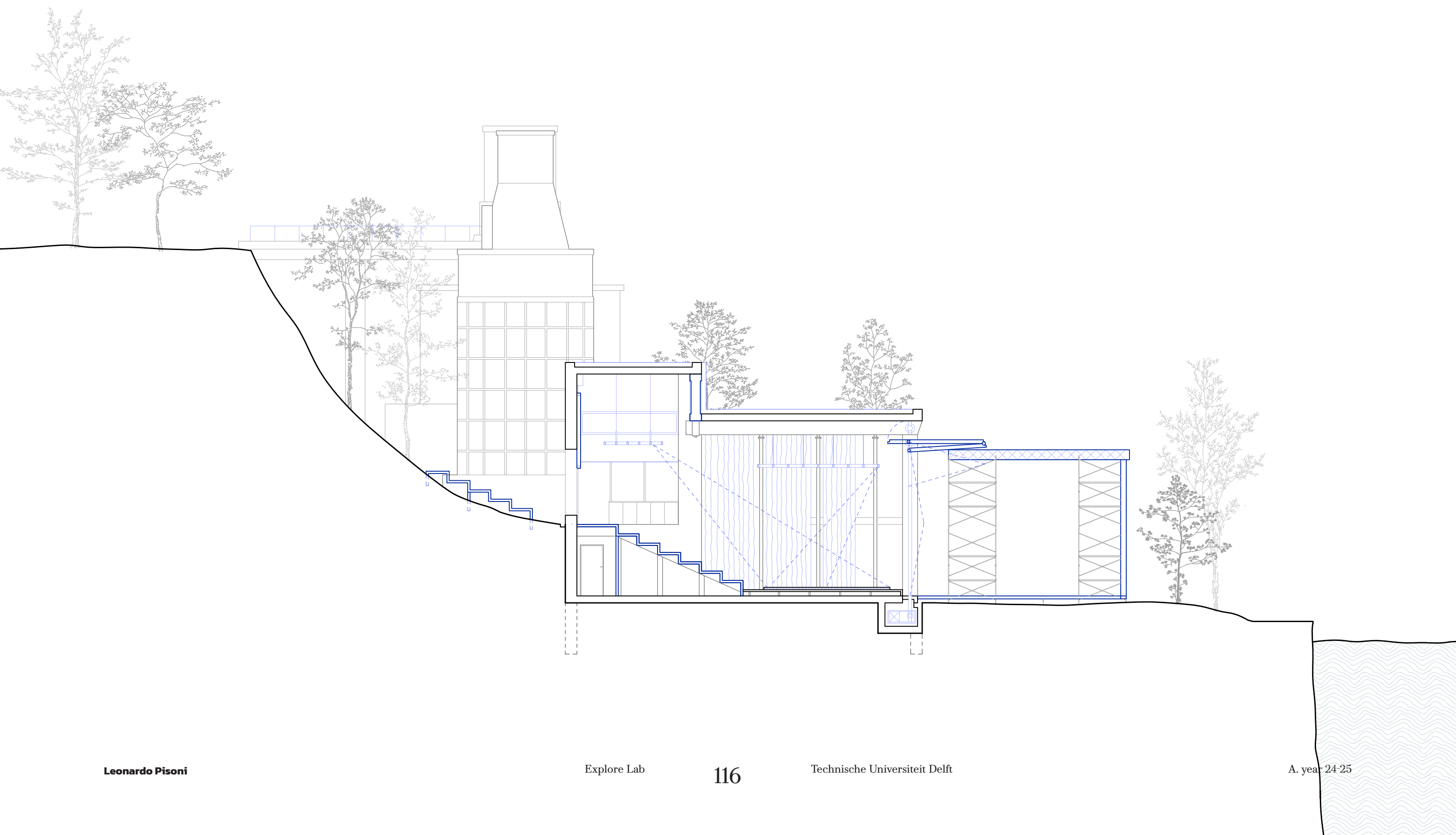




- 1 Old concrete column 40x40 cm
- 2 Circular rotating mobile connection
- 3 Anchoring block to structure
- 4 Metal plate with insulation package 2 cm
- 5 External stainless steel plate
- 6 Fixed rotary joint
- 7 Concrete or iron ballast for balancing
- 8 Propulsion chain
- 9 Transport gear
- 10 Metal connection to supporting structure
- 11 Finish with sprayed concrete
- 12 FoamGlass insulation 9 cm
- 13 Prefabricated concrete element 40x19 cm
- 14 Lightened concrete floor slab with EPS, 25 cm
- 15 Sloped insulation 3% FoamGlass (2 pieces), 6 cm
- 16 Waterproof barrier
- 17 Gutter
- 18 Flexible solar panels over the entire surface, 4 cm











The Festival

Recodification of the territory





Varese 34 km
Lugano 31 km
Locarno 46 km
Bellinzona 48 km
Como 62 km
Domodossola 58 km
Milano 87 km
Torino 122 km

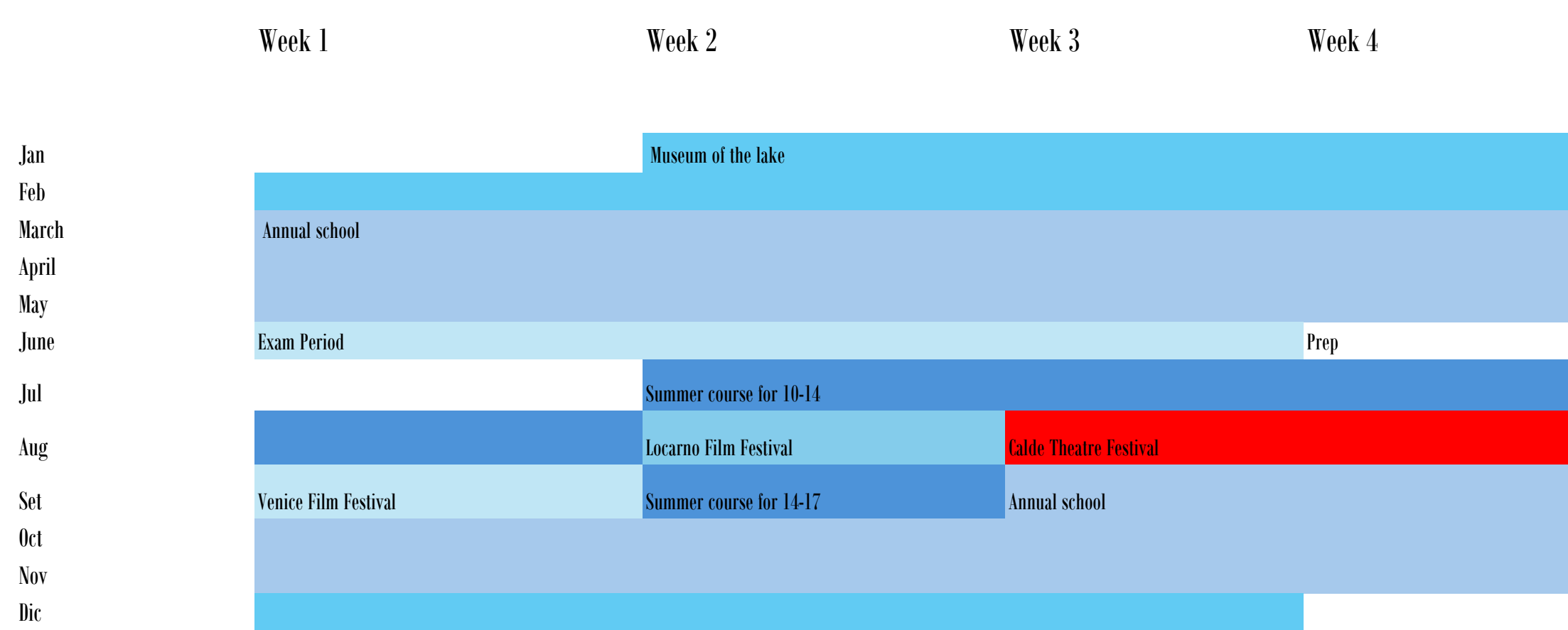
Locarno = Locarno Film Festival

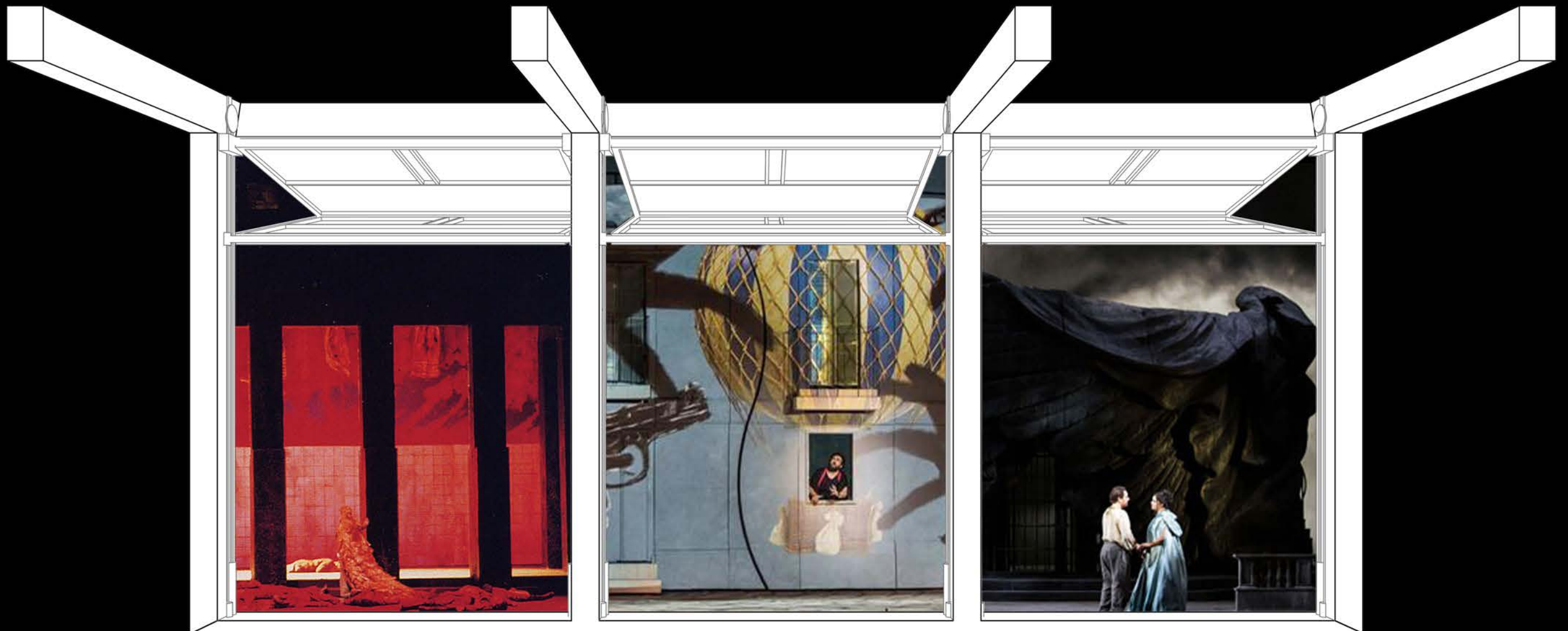
Caldé

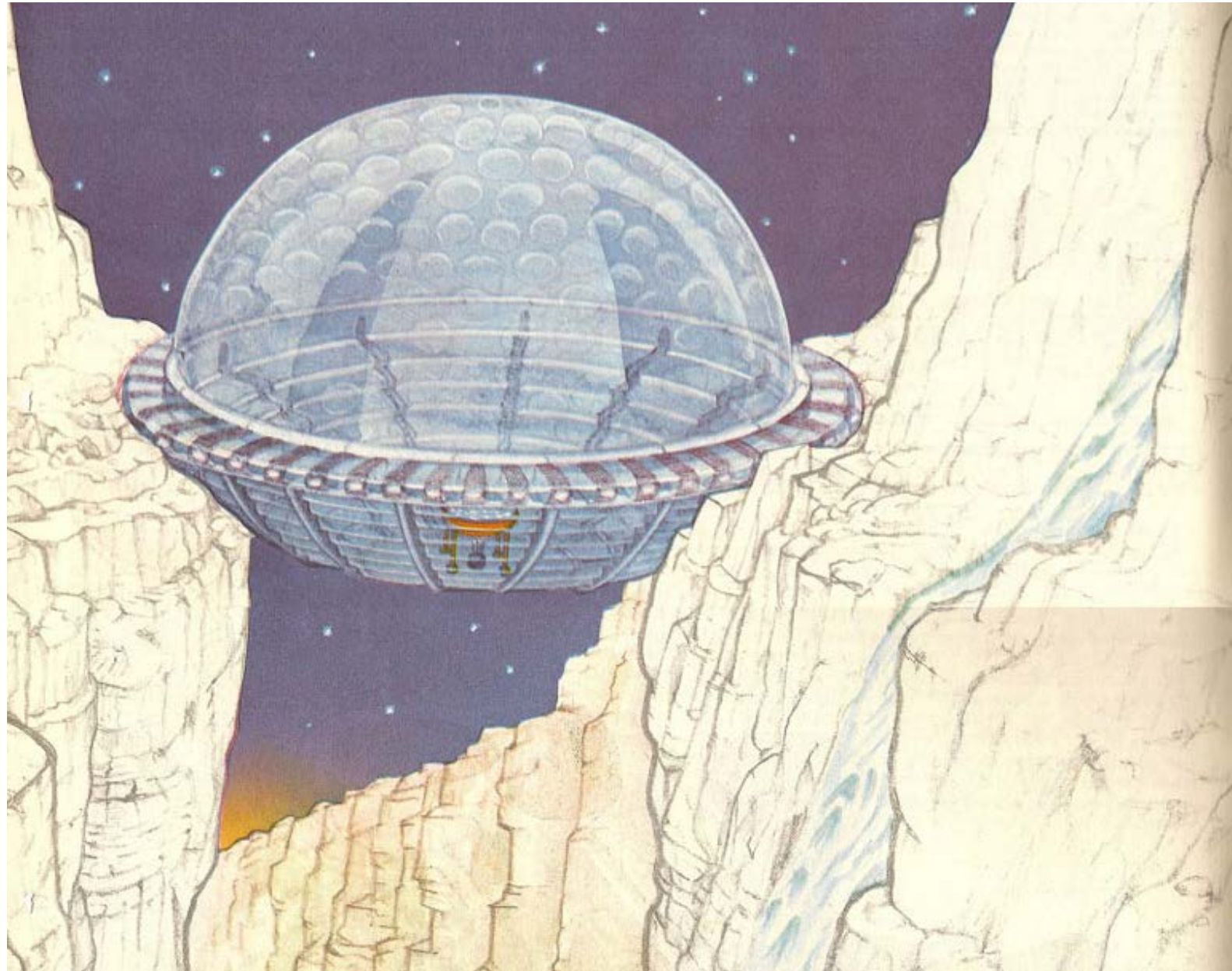




International Festival of Locarno, every August since 1946







Ettore Sottsass - The Planet as a Festival, stadium for stargazing 1972





Furbetta forse,
fannullona no

Mauro Cerri

Abbonamento
digitale:
6 € al mese

Omicidio Busto Arsizio

Delitto Garlasco

Caldo bollino rosso

M5 fino a Monza

Patentino per cani

CITTÀ ▾

MENÙ ▾

SPECIALI ▾

VIDEO

ULTIM'ORA ●

🔍 Ricerca

12 giu 2025

👤 REDAZIONE VARESE



Il Giorno • Varese • Cronaca • Varese, vanno a fare il bag...

Varese, vanno a fare il bagno alle vecchie fornaci di Caldè: cede solaio in cemento, tre minorenni travolti e feriti

I ragazzi di 16 e 17 anni avevano raggiunto assieme a un gruppo di amici la zona inaccessibile dell'ex fornace per tuffarsi nelle acque del Maggiore. Sul posto ambulanze e vigili del fuoco. Ecco cos'è successo



Le conseguenze del crollo della struttura pericolante potevano essere ben più gravi

PER APPROFONDIRE:

ARTICOLO: Cade nel Toce alle Marmitte dei Giganti: 50enne muore annegato, l'amico si salva aggrappandosi a una roccia

ARTICOLO: Venti mucche cadono nel canale Villorresi a Lonate Pozzolo: la corrente le trascina fino ad Arconate

ARTICOLO: Ucciso dalle acque gelide. Non è riuscito a riemergere



QUOTIDIANO NAZIONALE

Furbetta forse,
fannullona no

Mauro Cerri

IL GIORNO CRONACA

Abbonamento
digitale:
6 € al mese

Omicidio Busto Arsizio Delitto Garlasco Caldo bollino rosso M5 fino a Monza Patentino per cani

CITTÀ ▾ MENÙ ▾ SPECIALI ▾ VIDEO ULTIM'ORA ● Ricerca

12 giu 2025

REDAZIONE VARESE



Il Giorno • Varese • Cronaca • Varese, vanno a fare il bag...

Le fornaci sono salve! The new theatre festival finally opens this August!

International guests and local talents will come together to create a repertoire of performances both indoors and outdoors. 7 days, 25 events, 1,000 visitors. Caldé is back in full steam!

Il comune di Castel Veccana e Locarno Film Festival presenta:

Caldé Theatre Festival

1^a Edizione
18 - 25 Agosto 2025

Teatro-Fornace
Dario Fo
(ex Fornaci di Caldé)

Incontri
Workshop
Performances
Sit-in teatrali

Con la partecipazione di:
Centro Studi Dario Fo
Scuola di Teatro di Caldé
Locarno Film Festival



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Locarno Film Festival

Technische Universiteit Delft
Explore Lab Academic year 24-25
Leonardo Pisoni n. 6076130
Tutor 1: Suzana Milinovic
Tutor 2: Georgios Karvelas
Tutor 3: Stavros Kousoulas



Mezaràt in the Spotlight

Caldè Lime Furnaces, Lago Maggiore, Italy

Thank you
and
see you there

