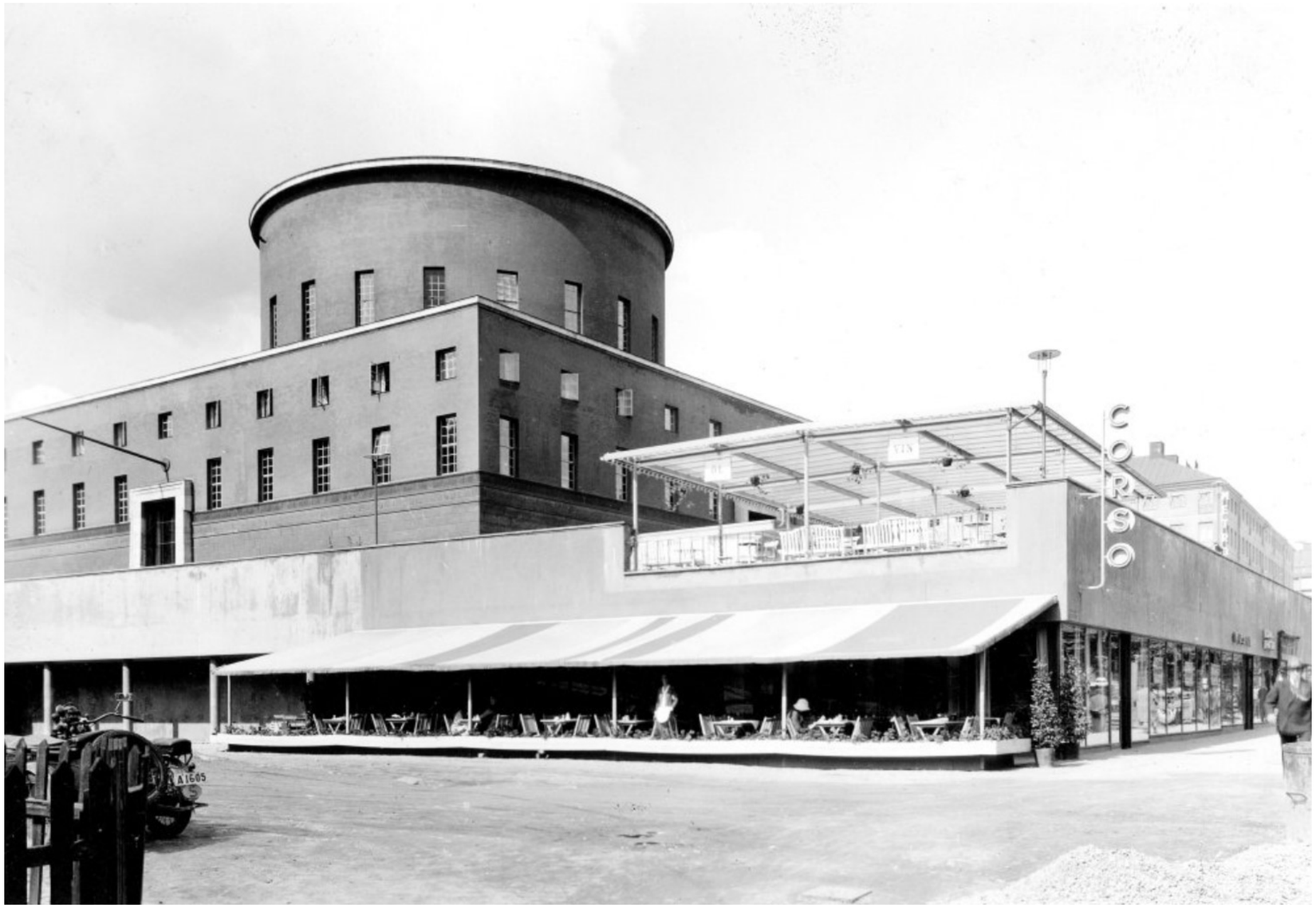
P4 Presentation

TU Delft, Interiors Buildings Cities Graduation Design Studio

Joanna Pilecka | 5855616

Introduction
Context and Research
Problem Statement
Design Approach
Spatial Organization
Expression



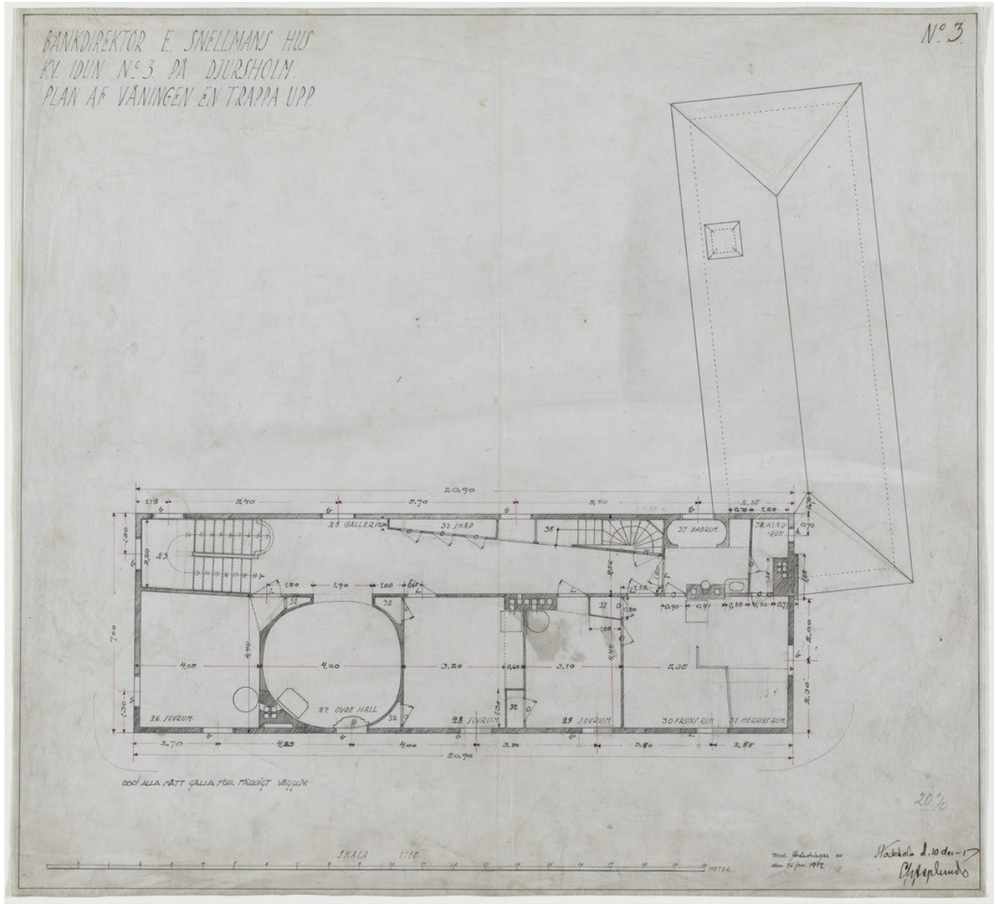
Stockholm City Library
by Erik Gunnar Asplund, opened in 1928



1928

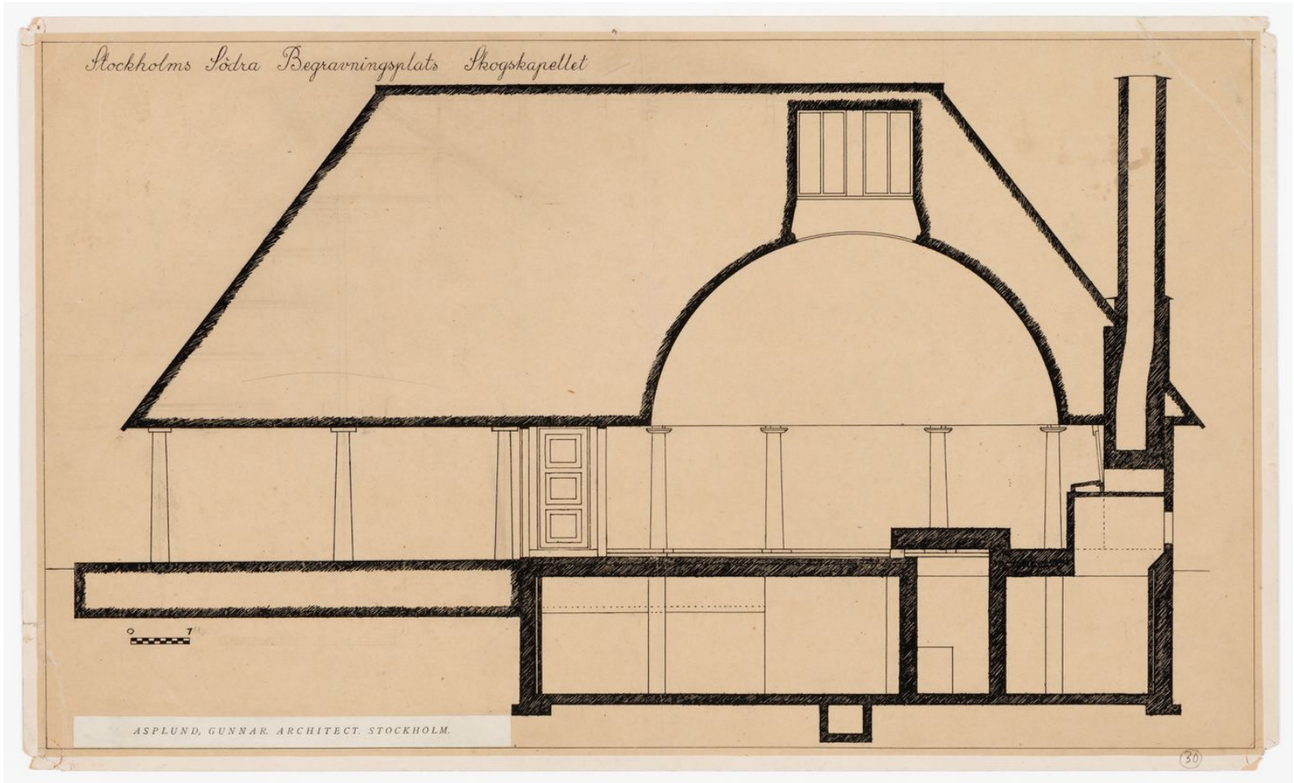

Hdn-DANSK
Hdn-NORSK
ISLENSKA
Hfn-JIDDISCH
Hfn-ROMANI
Hc-Hce-SKONLITTERATUR PÅ SVENSKA
Tema

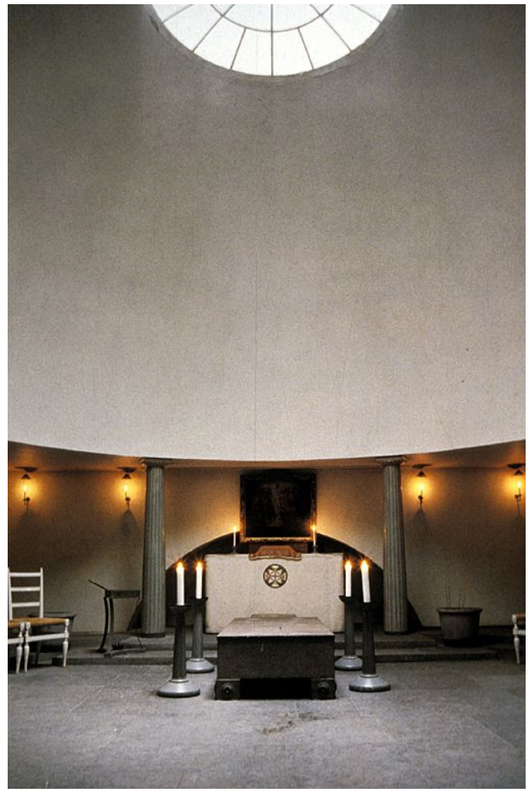
Now



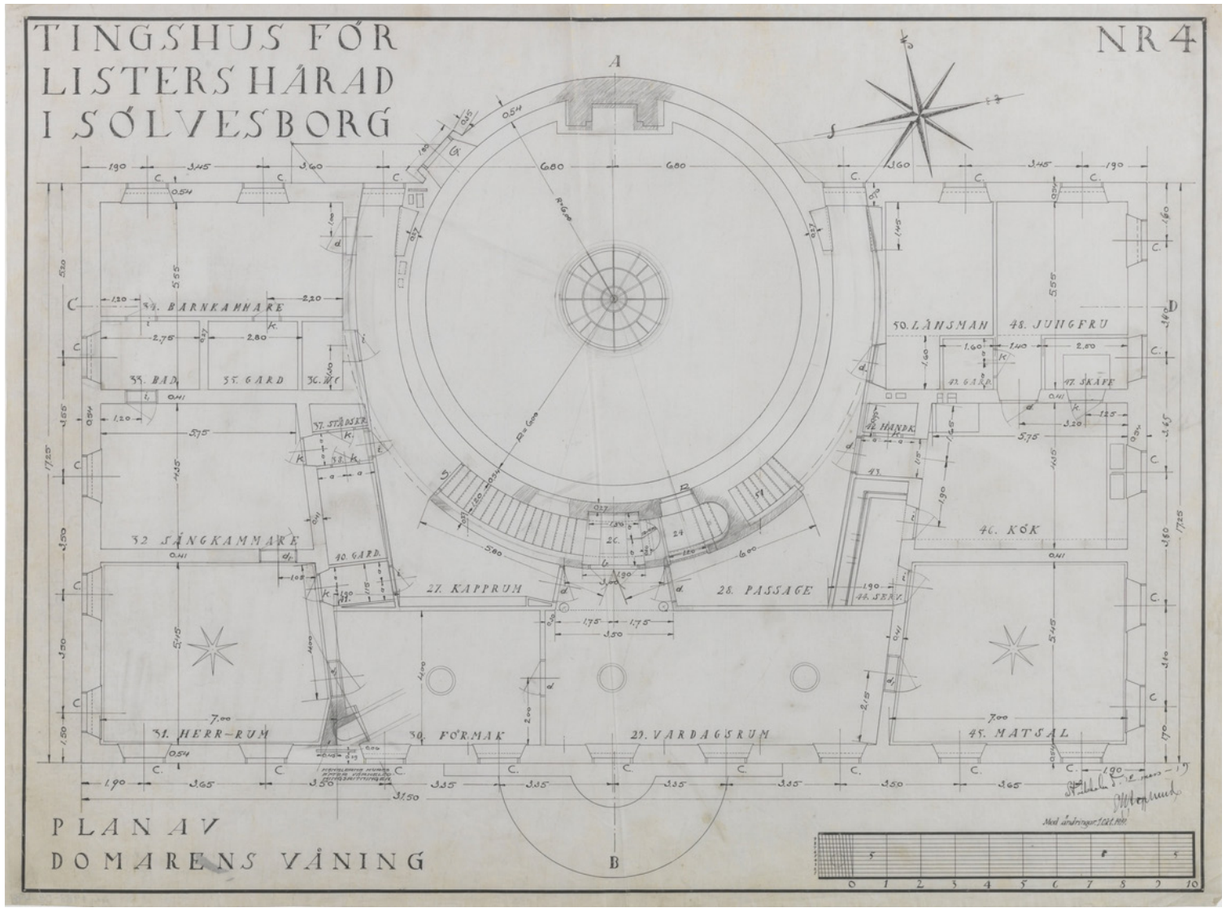


Villa Snellman
1918





Woodland Chapel
1920

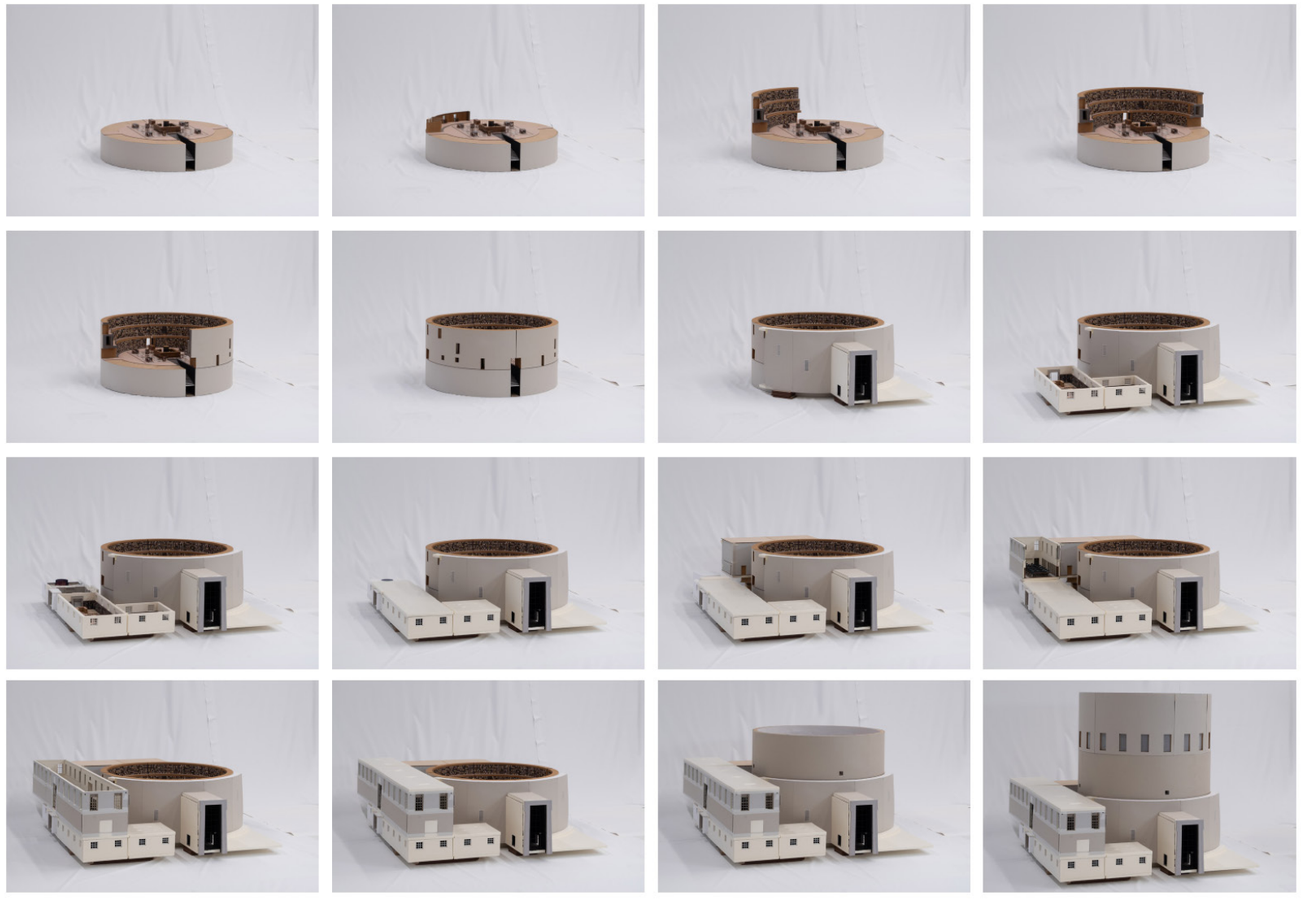




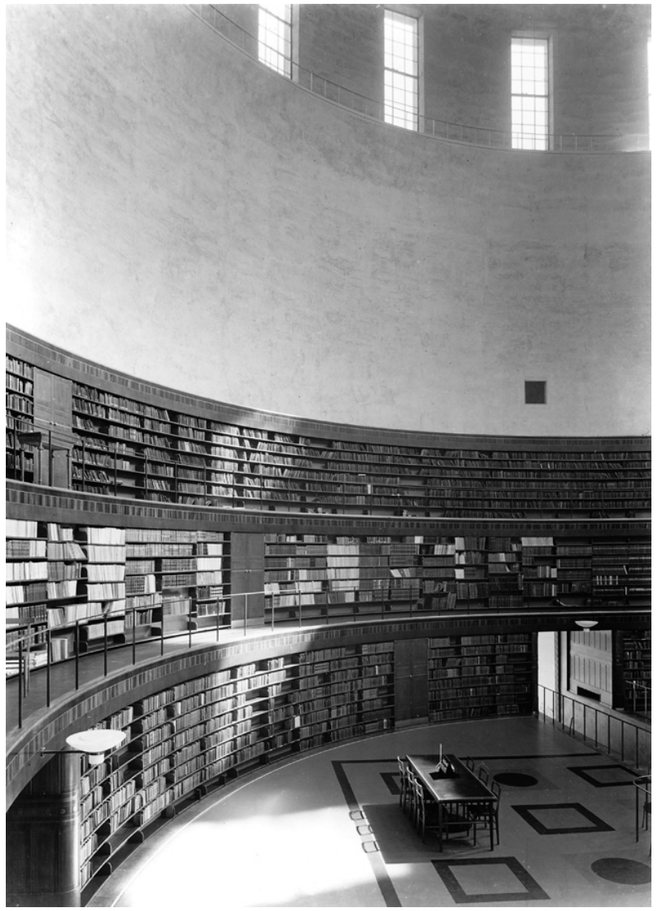
Lister County Courthouse
1921



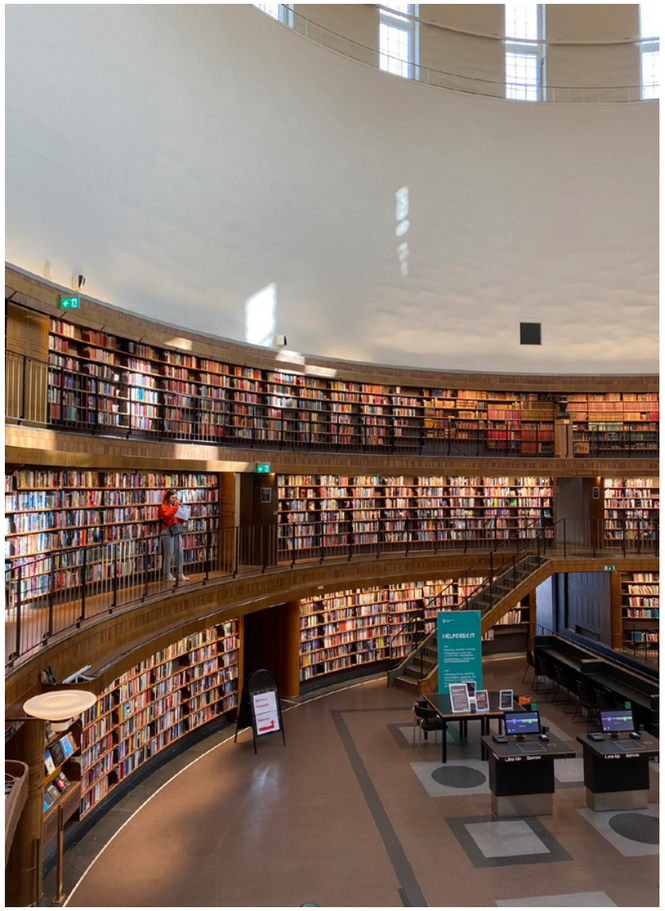




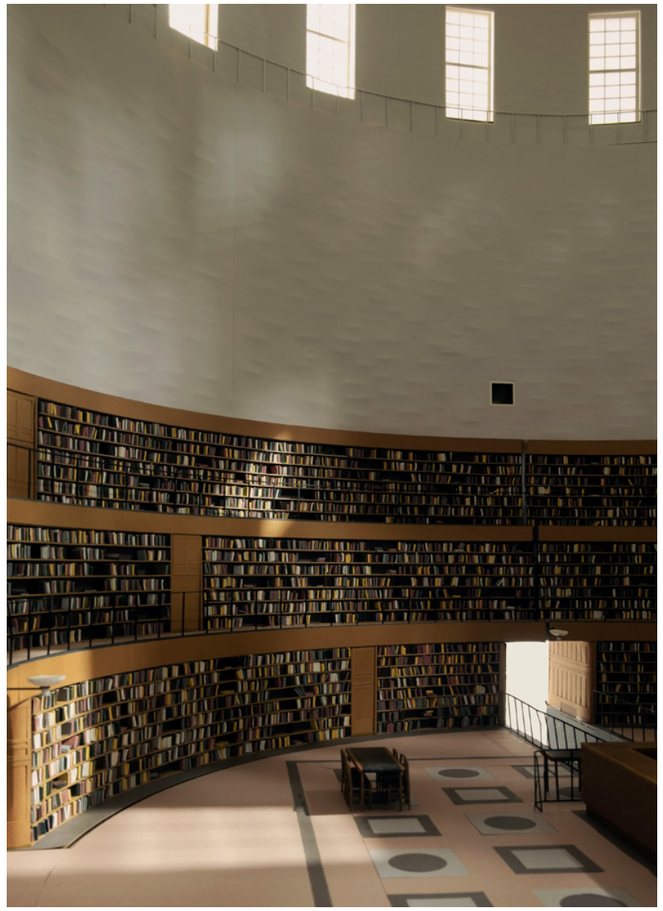
1:25 physical model



archival picture



current photo



model

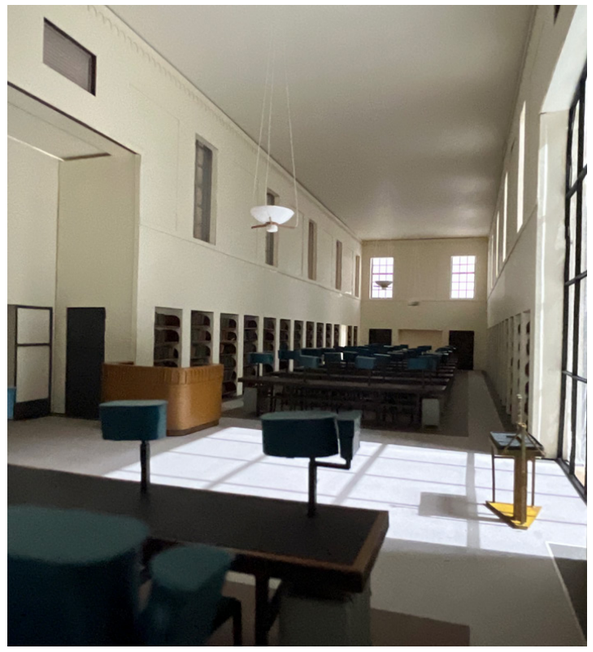
Rotunda



archival picture

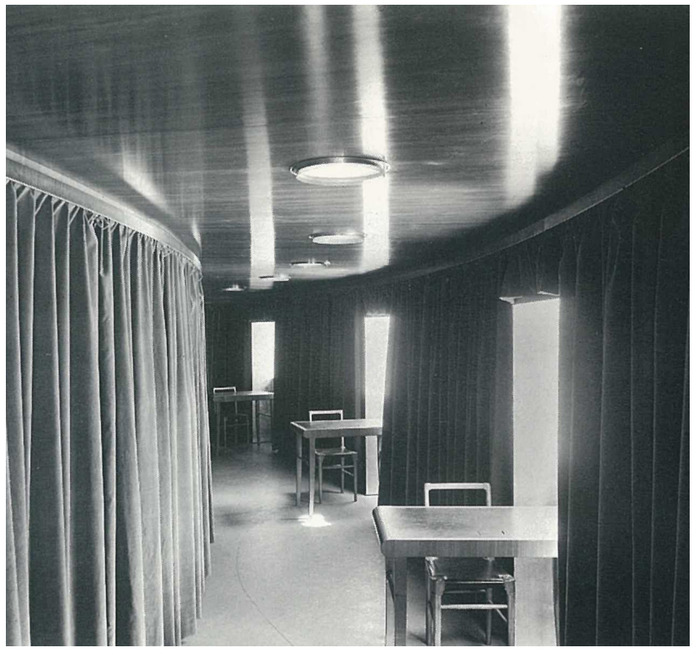


current photo



model

South Wing



archival picture



current photo



model

Circular ‘Banana’ Rooms



archival picture

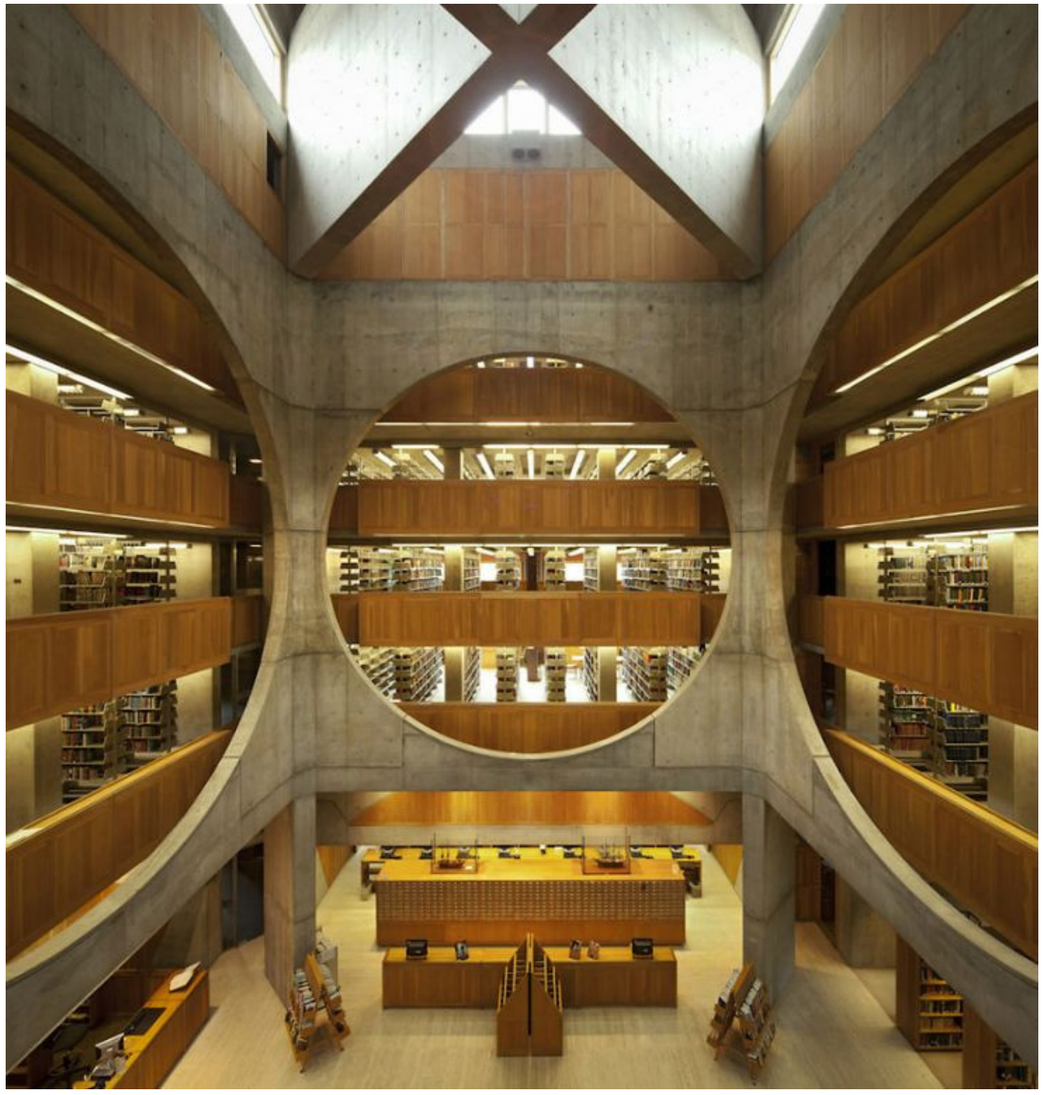


current photo

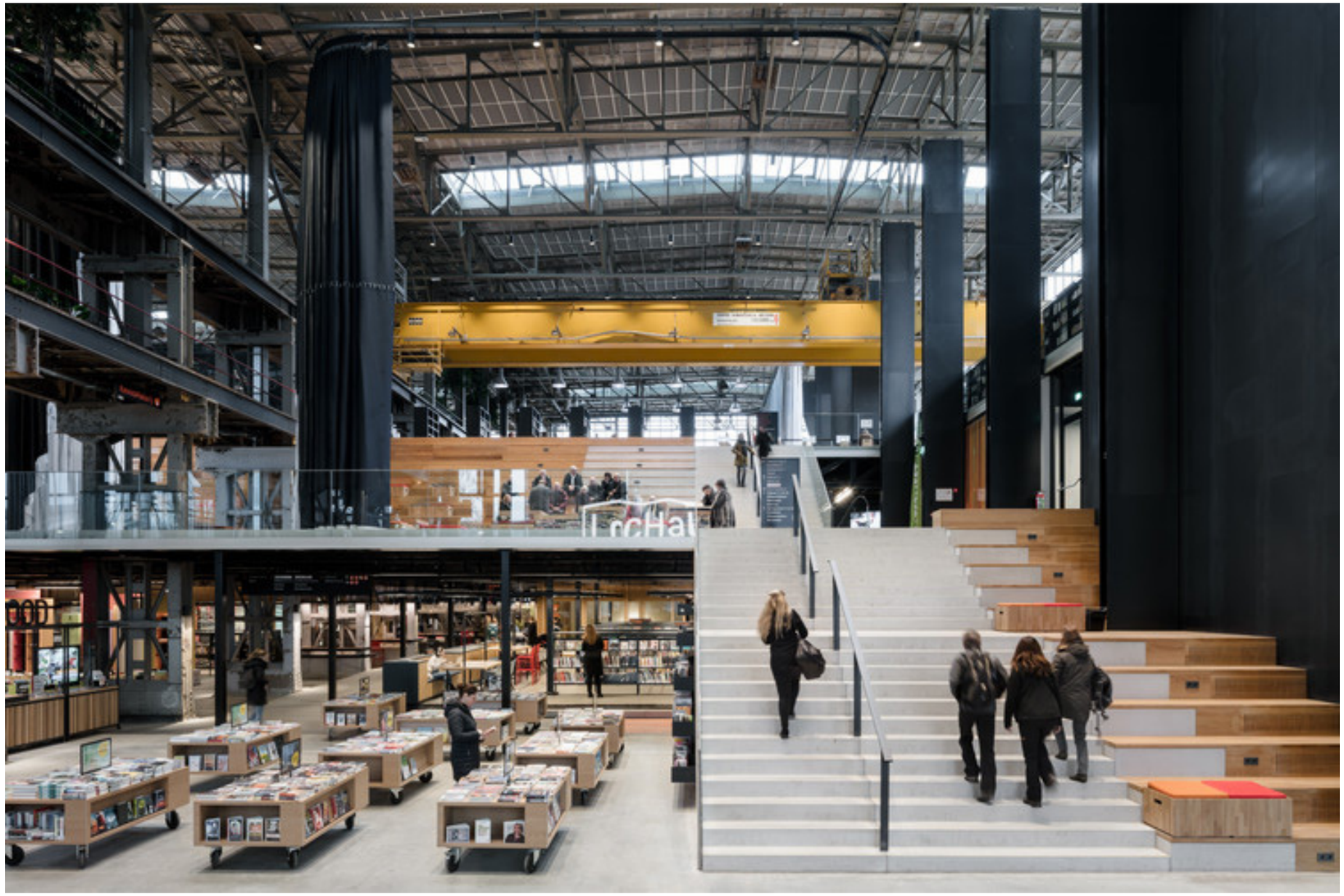


model

Children’s Library,
Reading Room

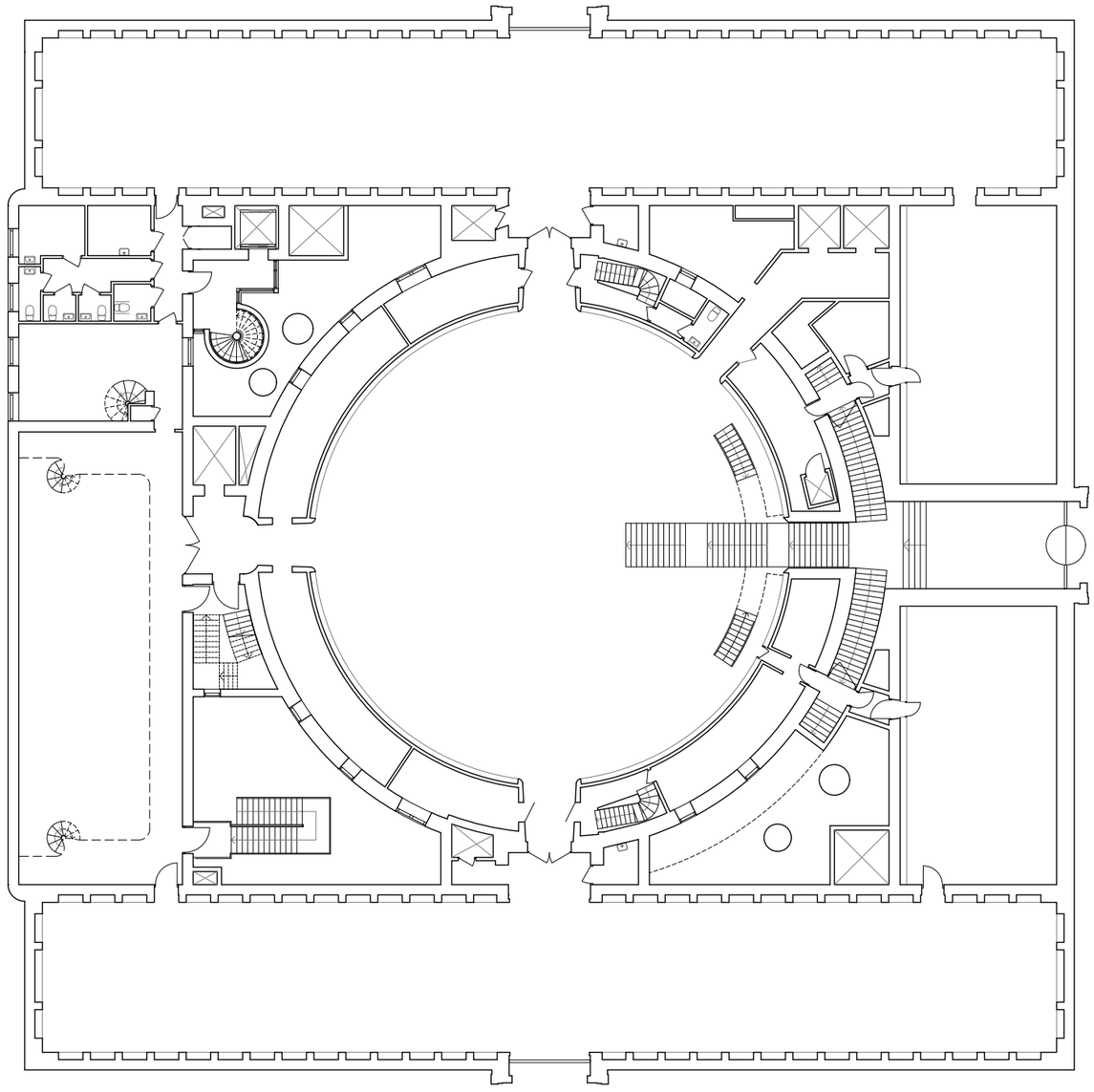


Modern libraries
Philips Exeter Library

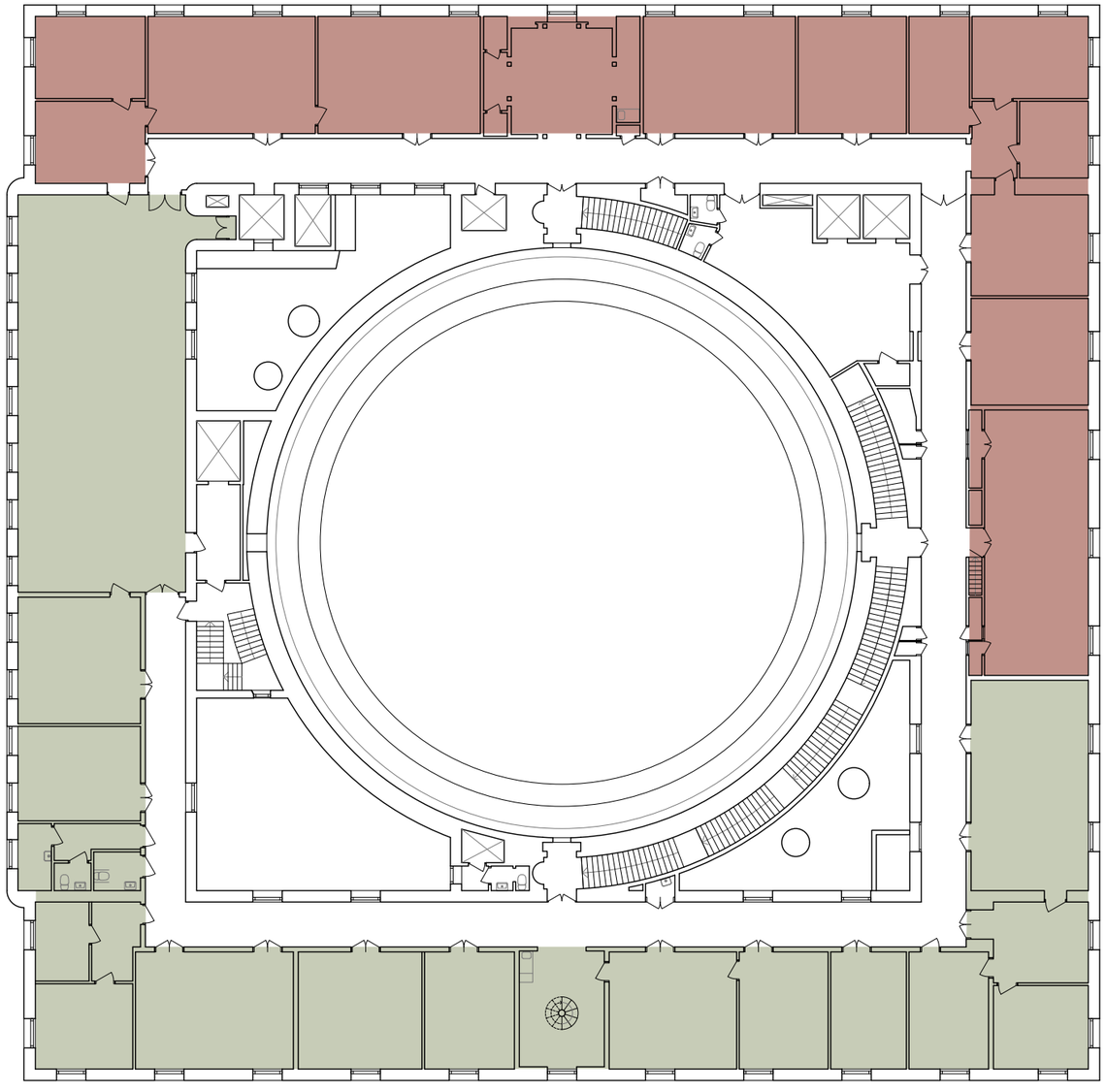


Contemporary libraries
LocHal Library, Tilburg





Rotunda floor



Top floor



2006, Heike Hanada



2014, Caruso St John







Before

Now

The Pond




F 36917.
FOTO O. HALLDIN JULI 1946.
FRILUFTSSERVERING SO OM STADSBIBLIOTEKET
VID PLASKDAMMENS NORRA ÄNDA.

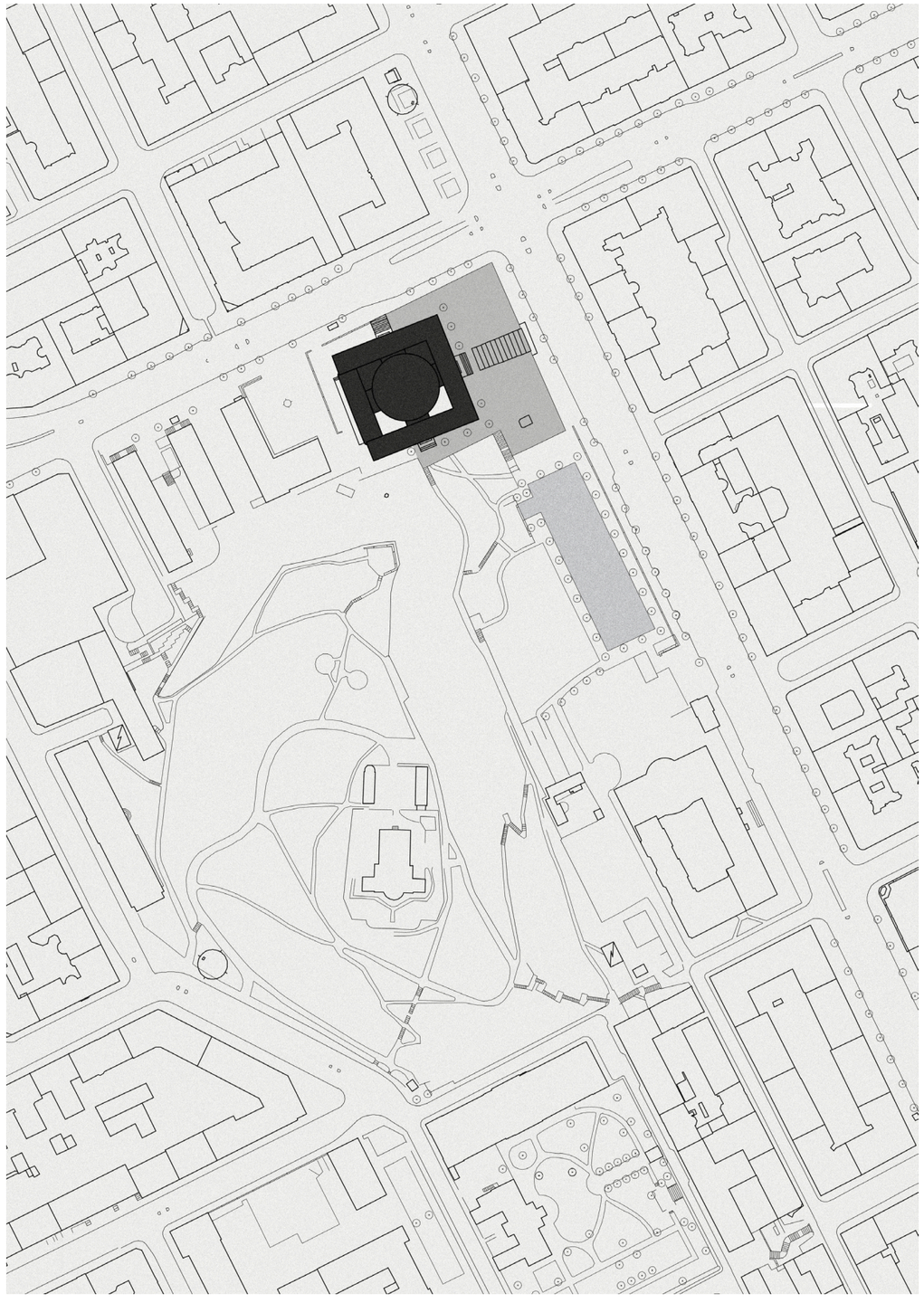

McDonald's

Before

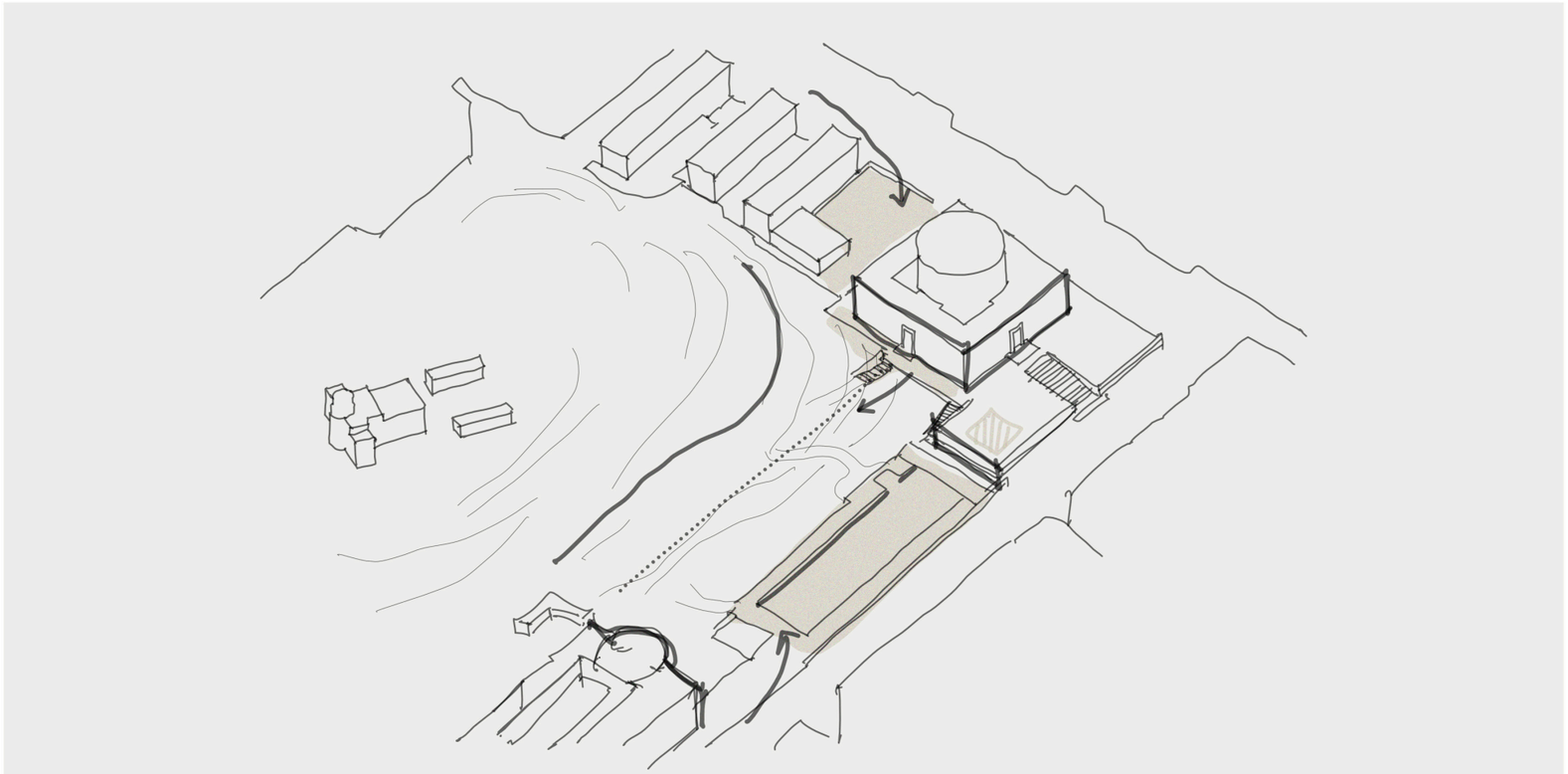
Now



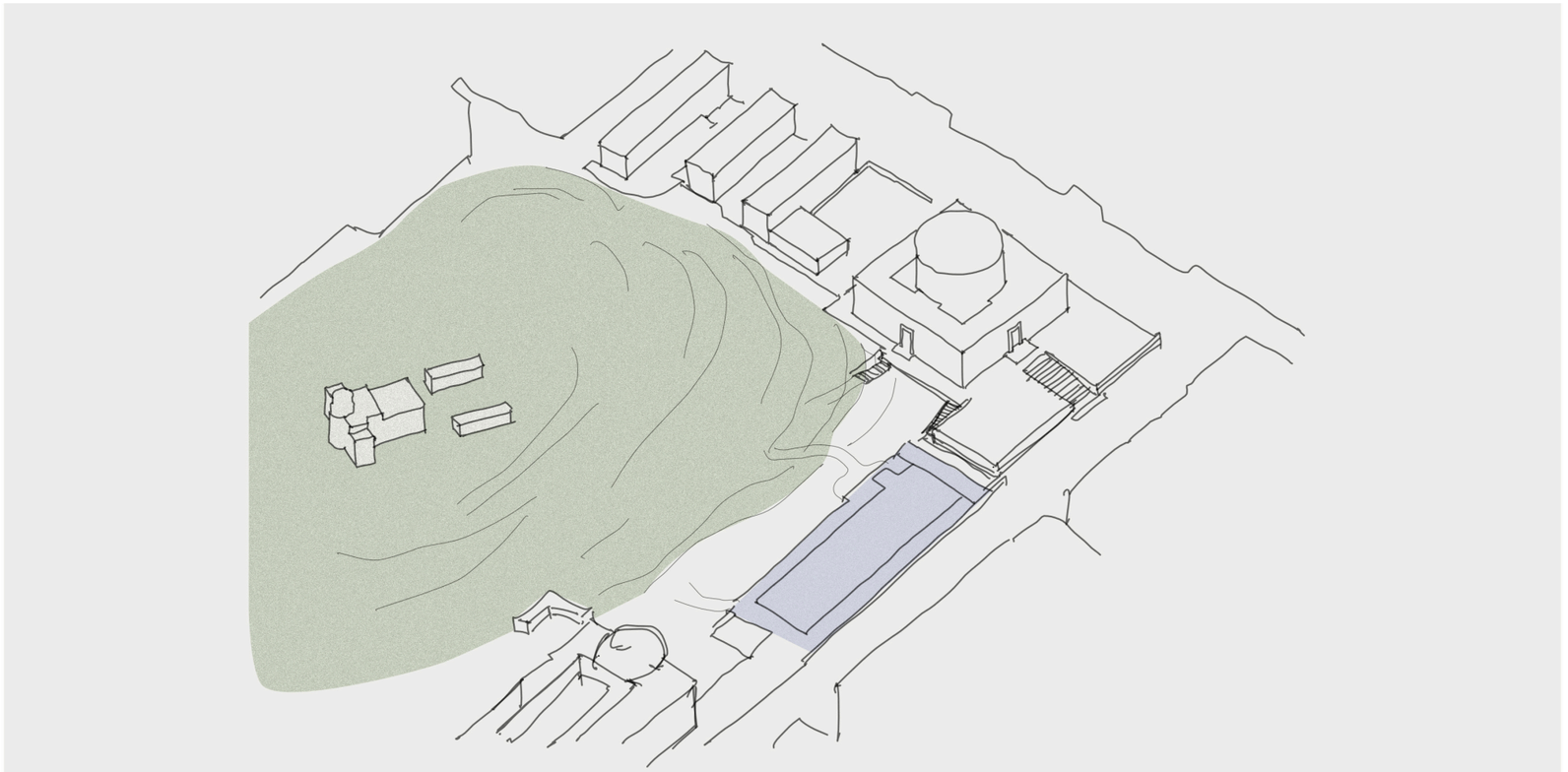
What can be the solution?



What can be the solution?



Site



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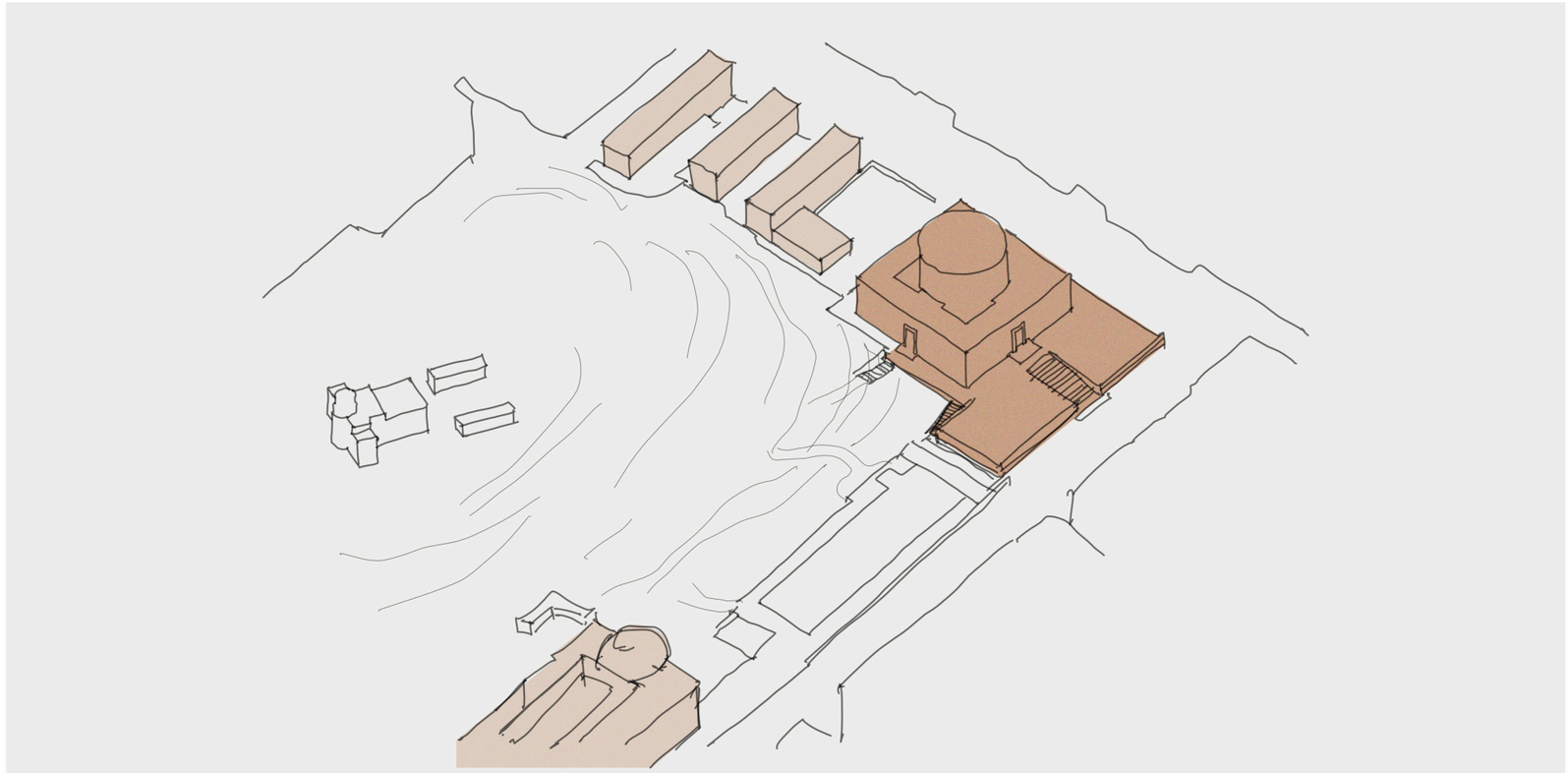

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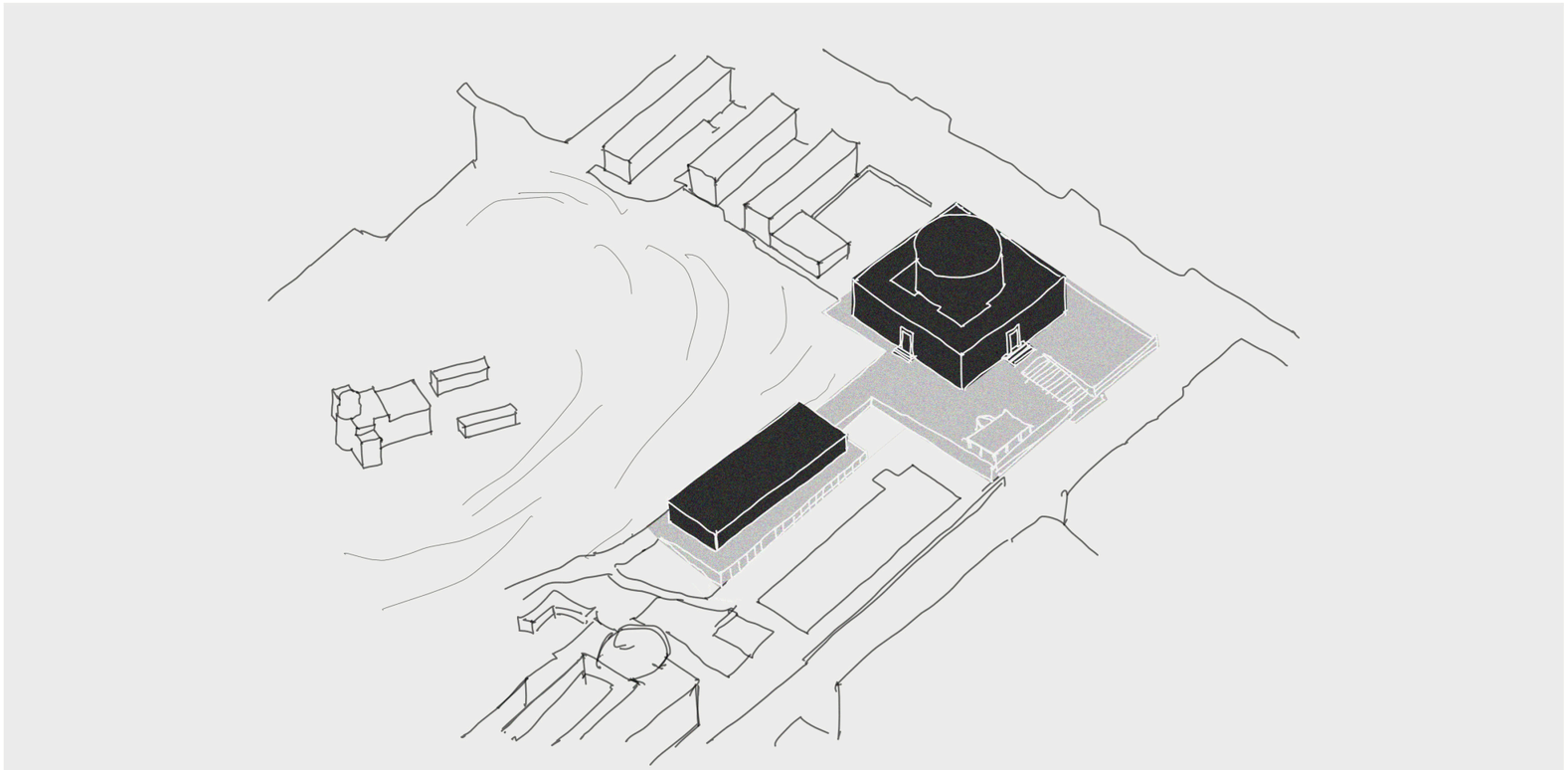
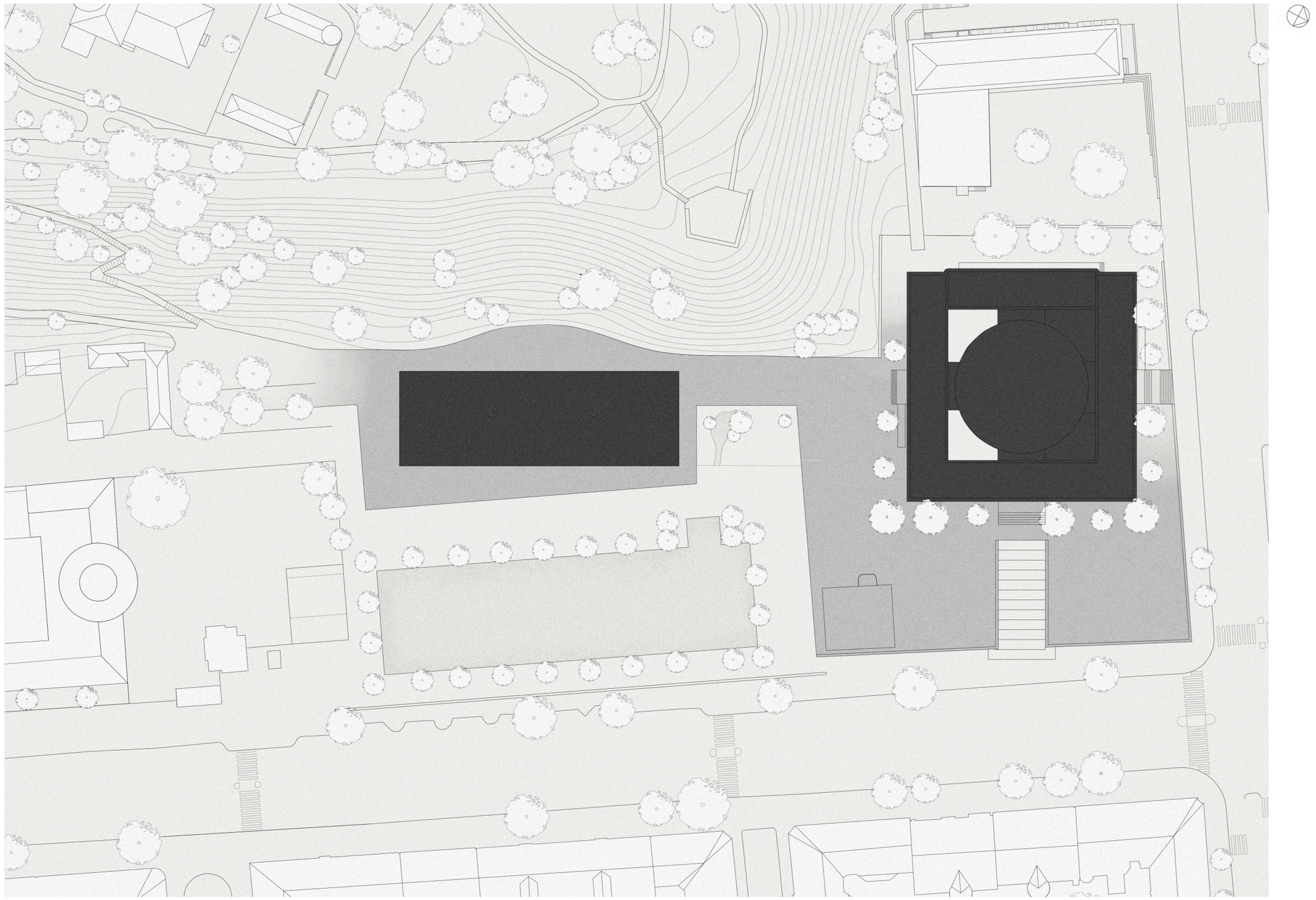


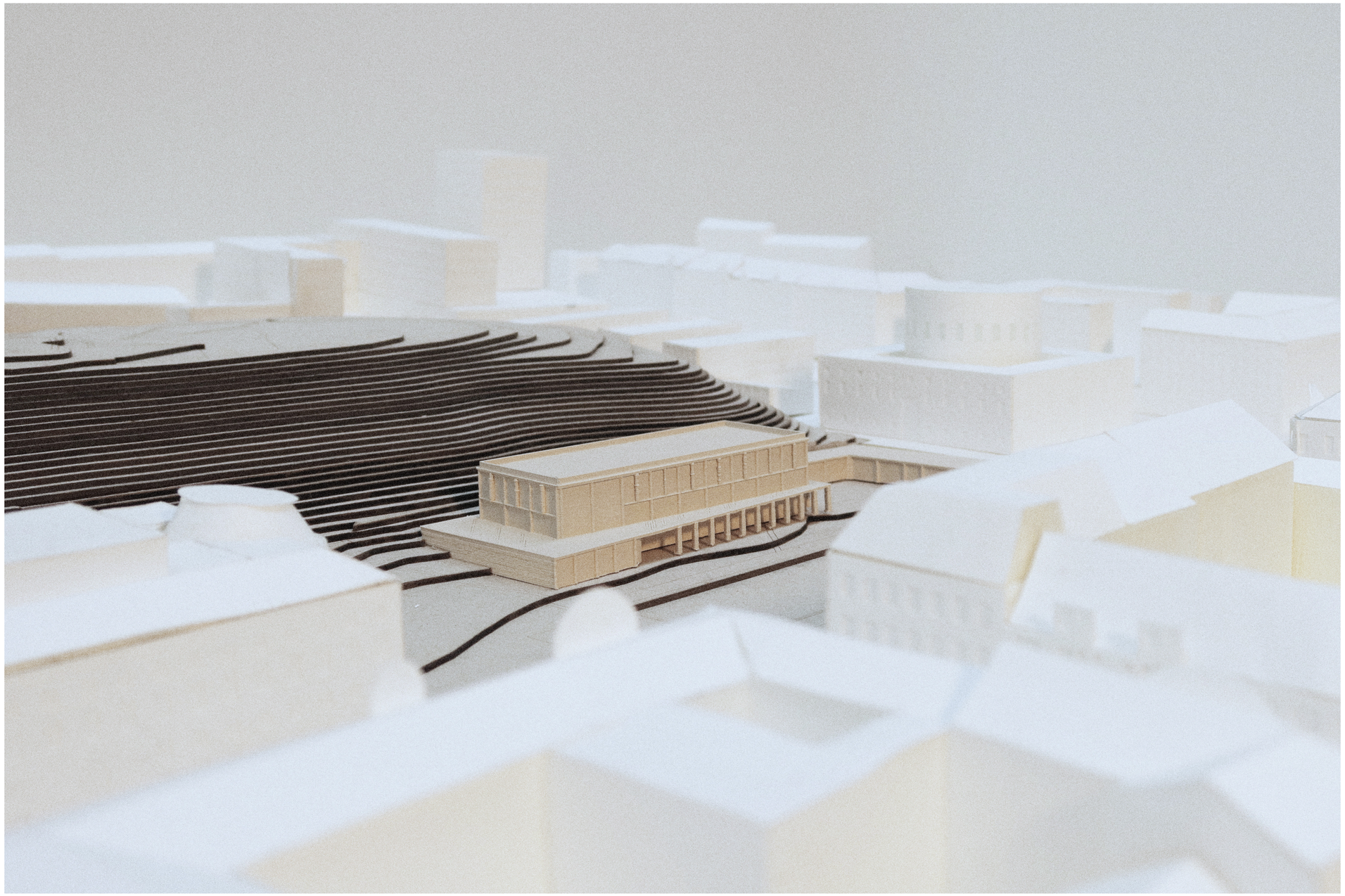


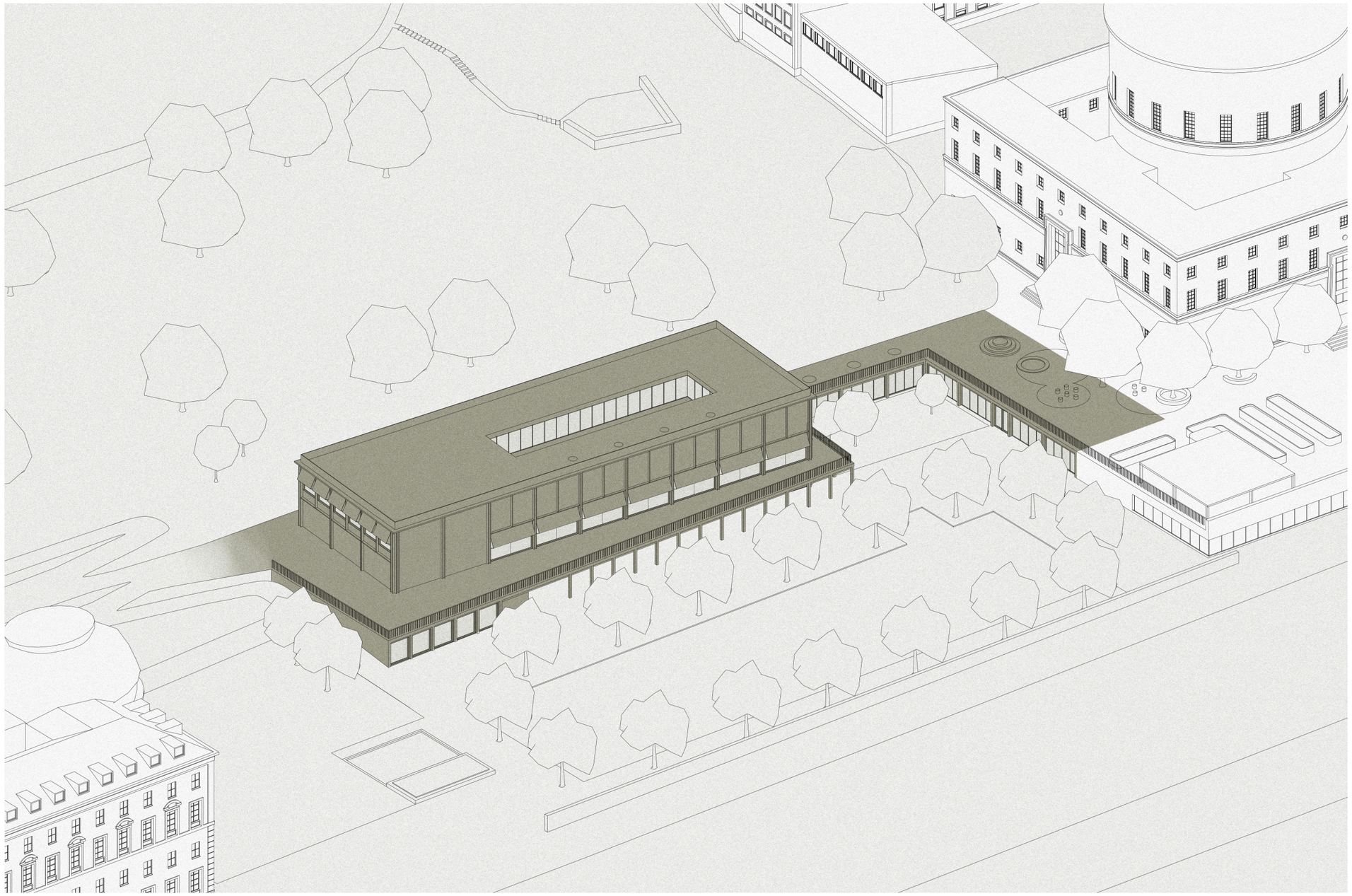
Situtation



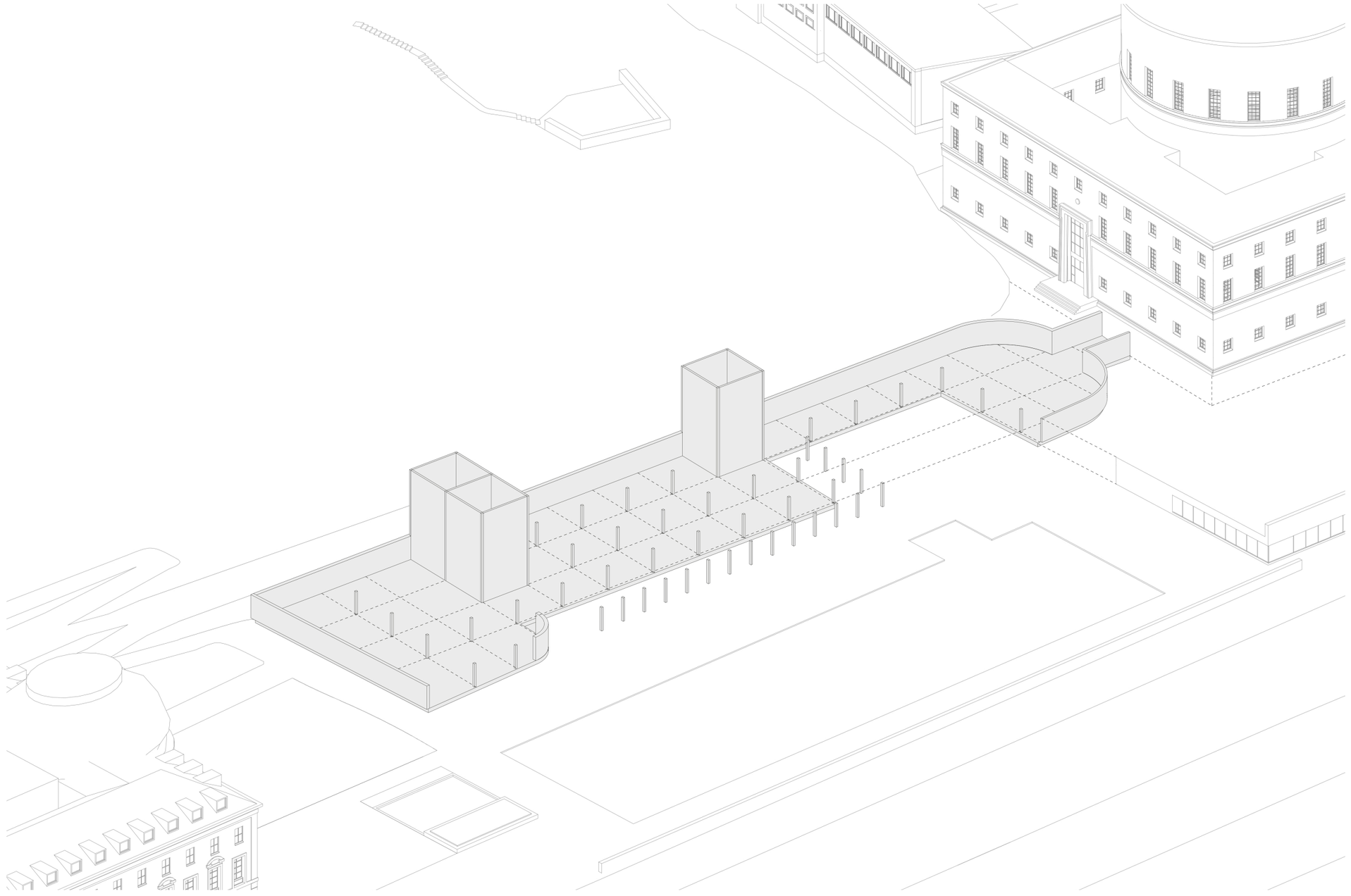
Site Plan

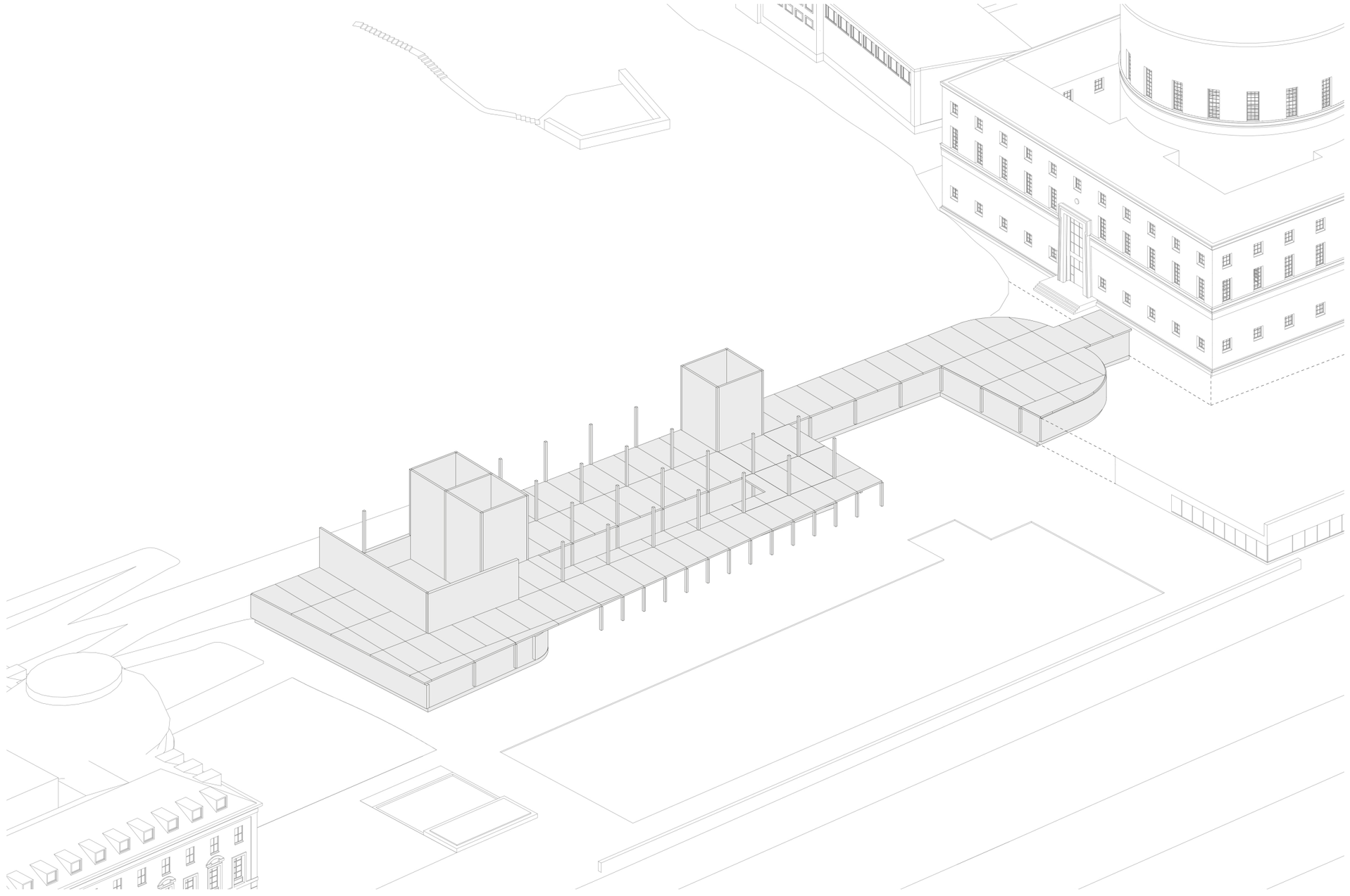




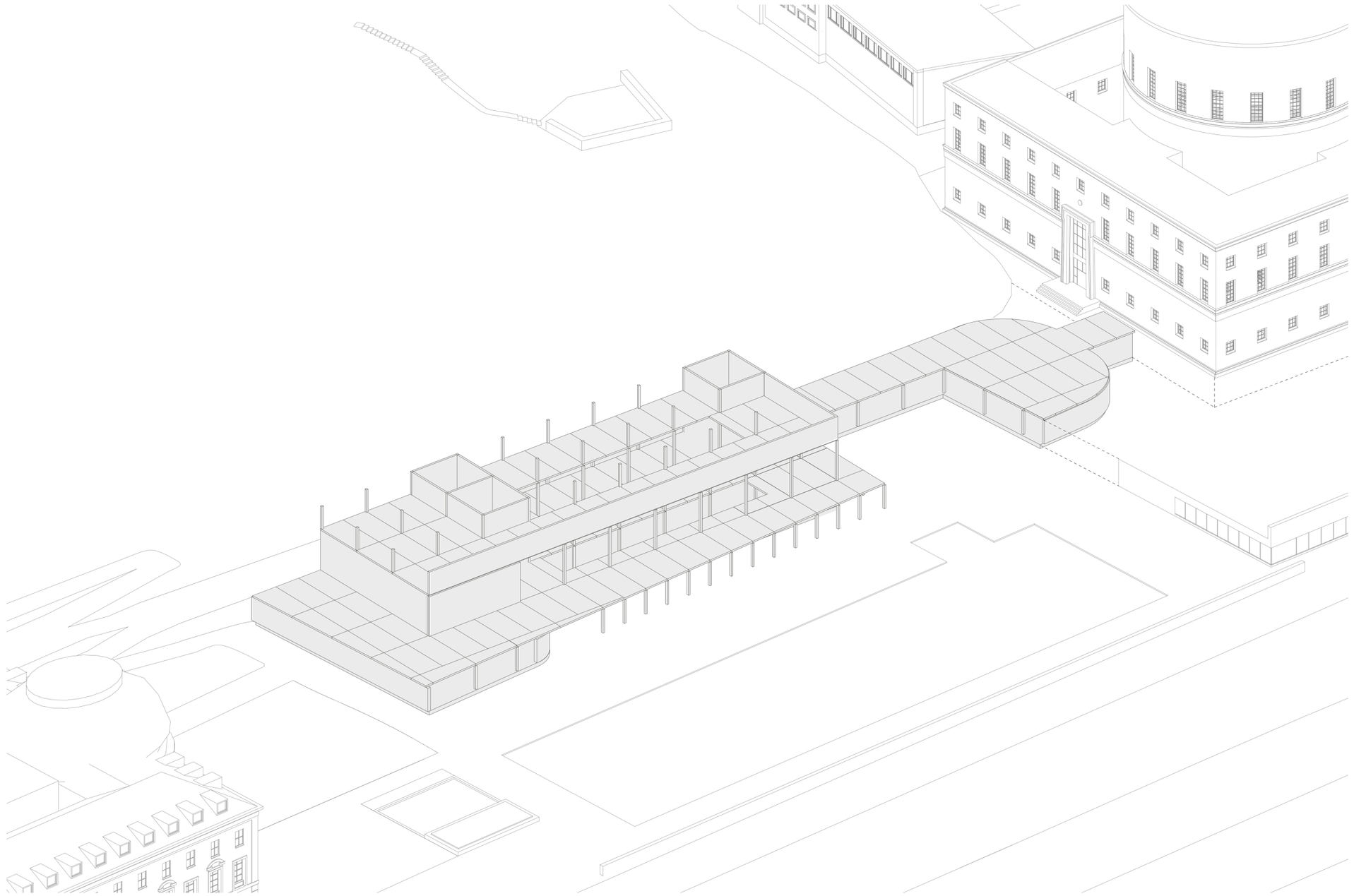


Addition

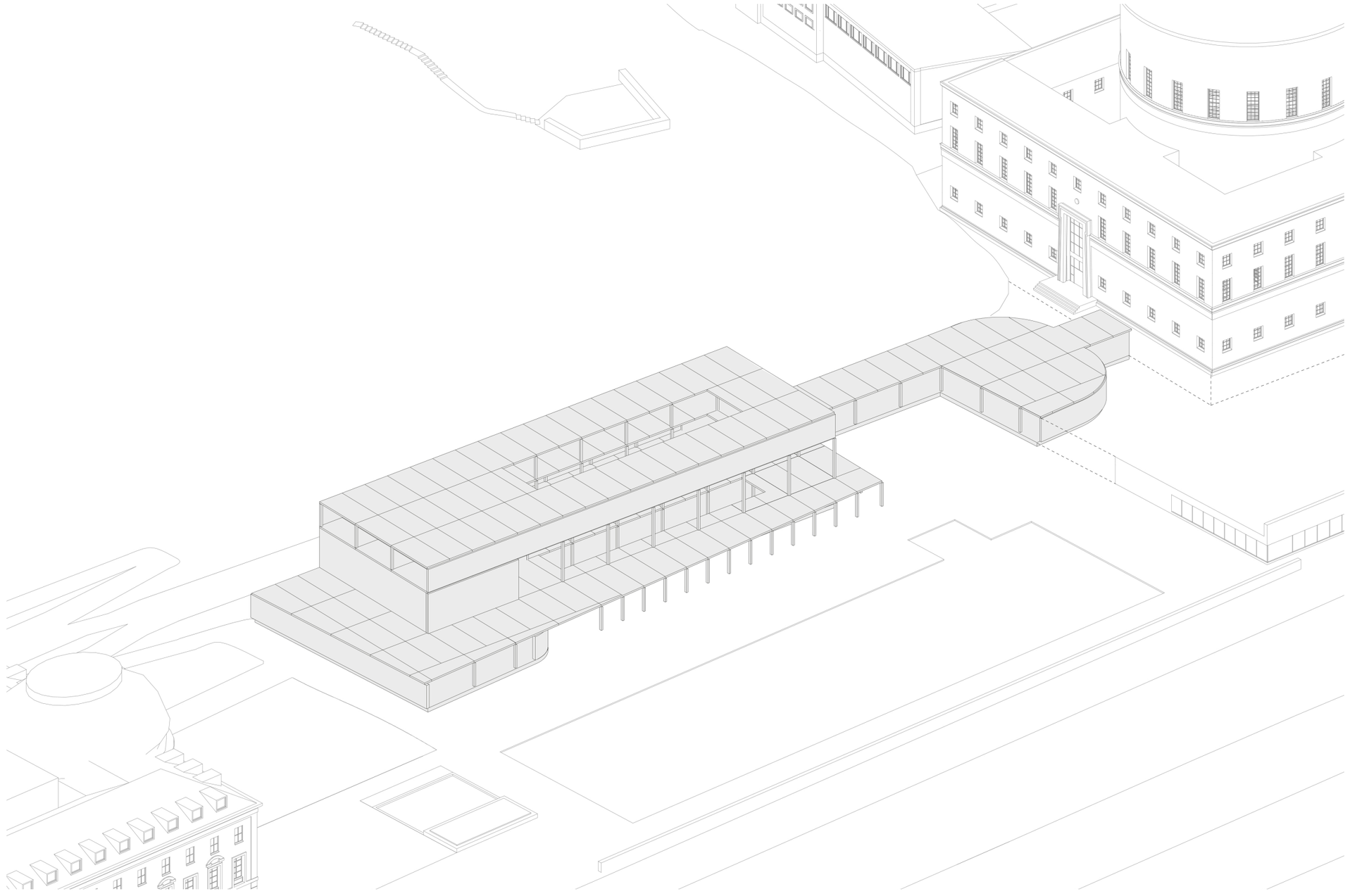




Structure

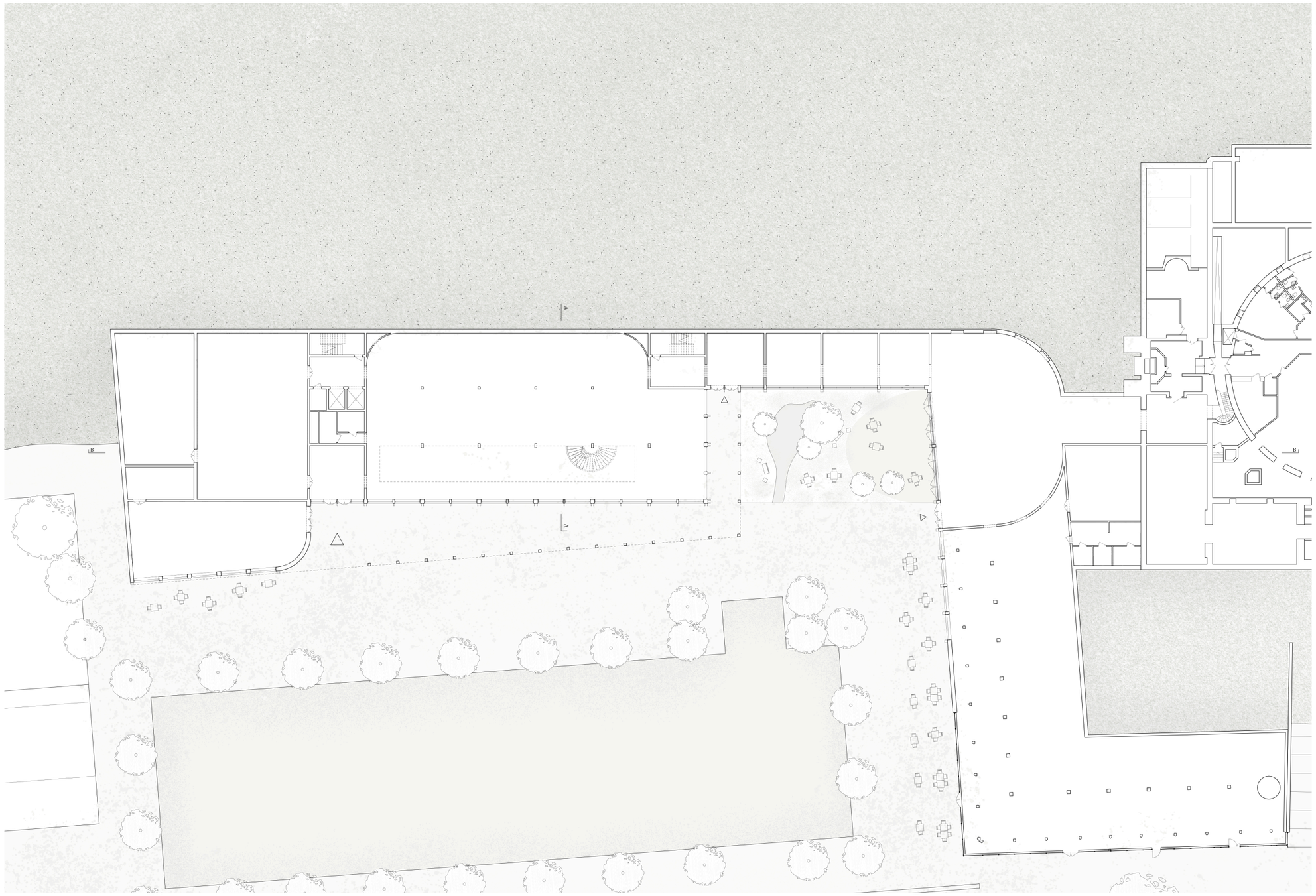


Structure

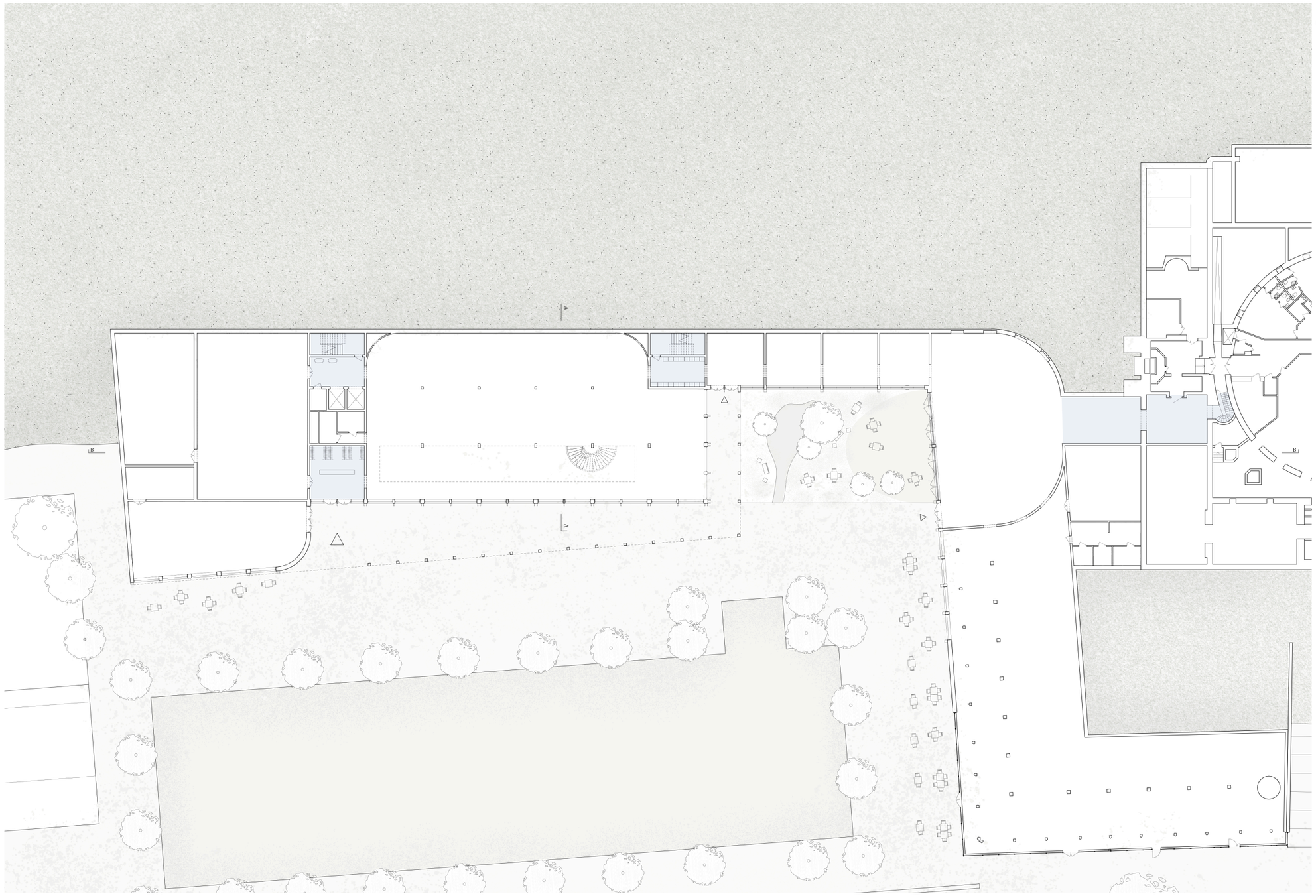




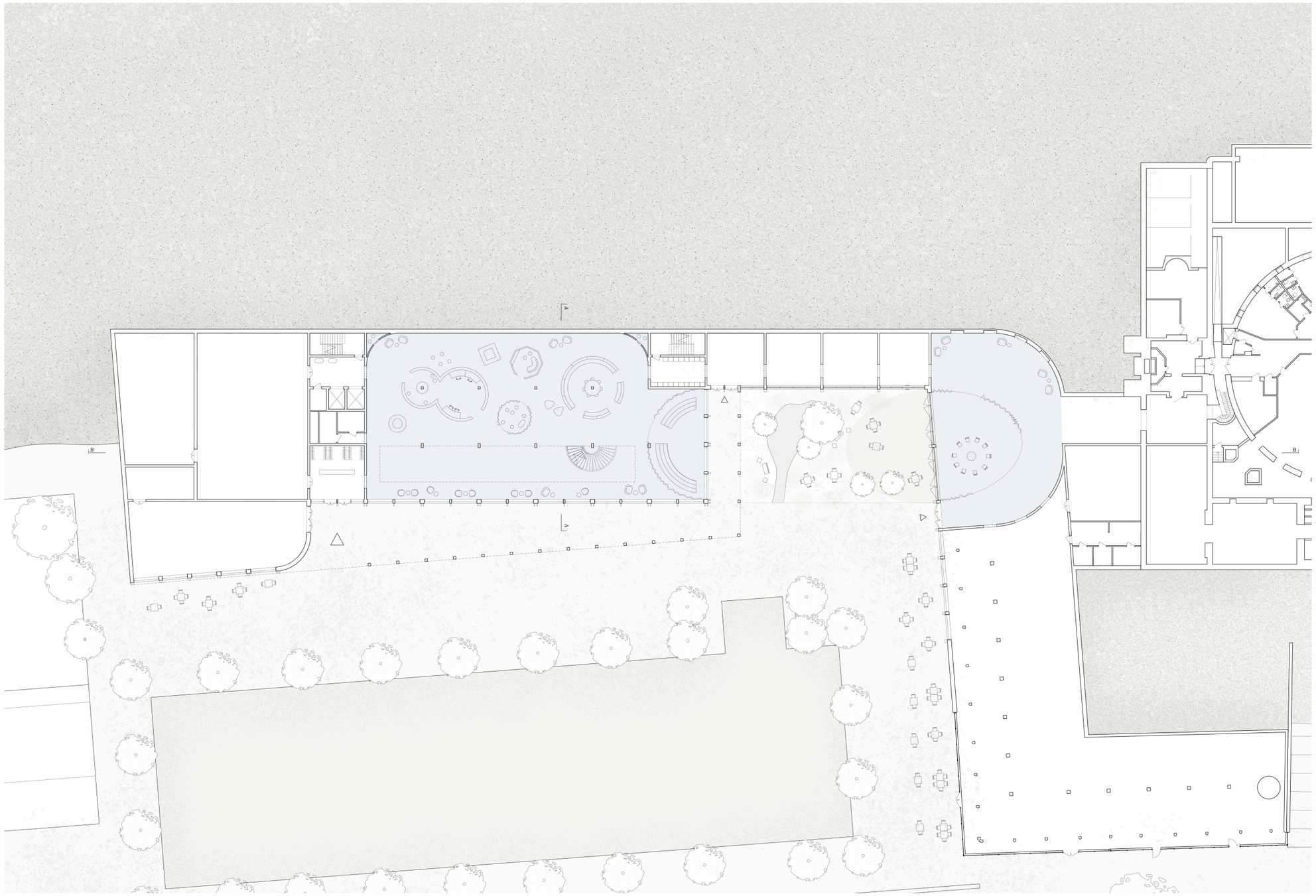
Spatial concept



Ground floor



Ground floor



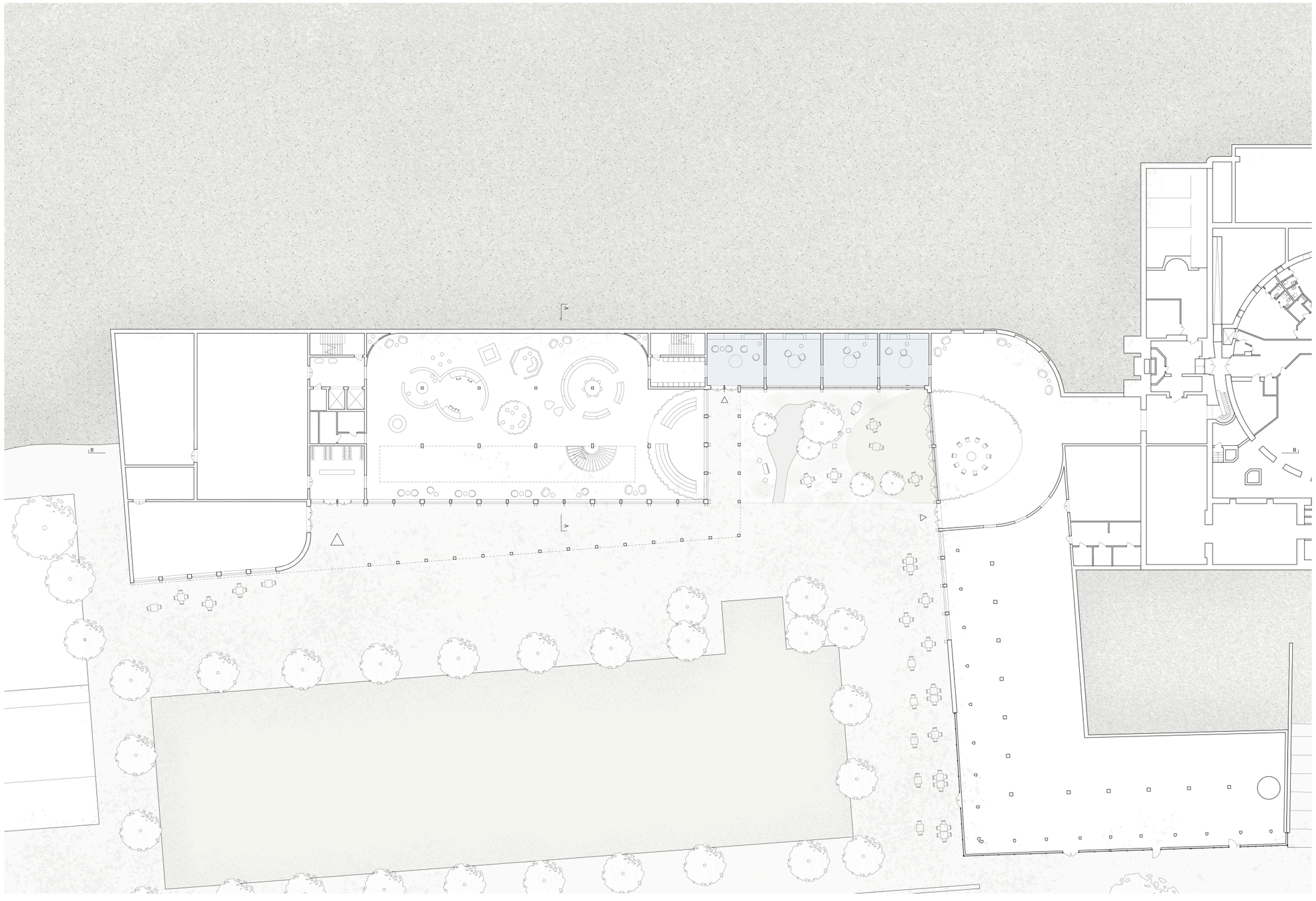
Ground floor



Ground floor

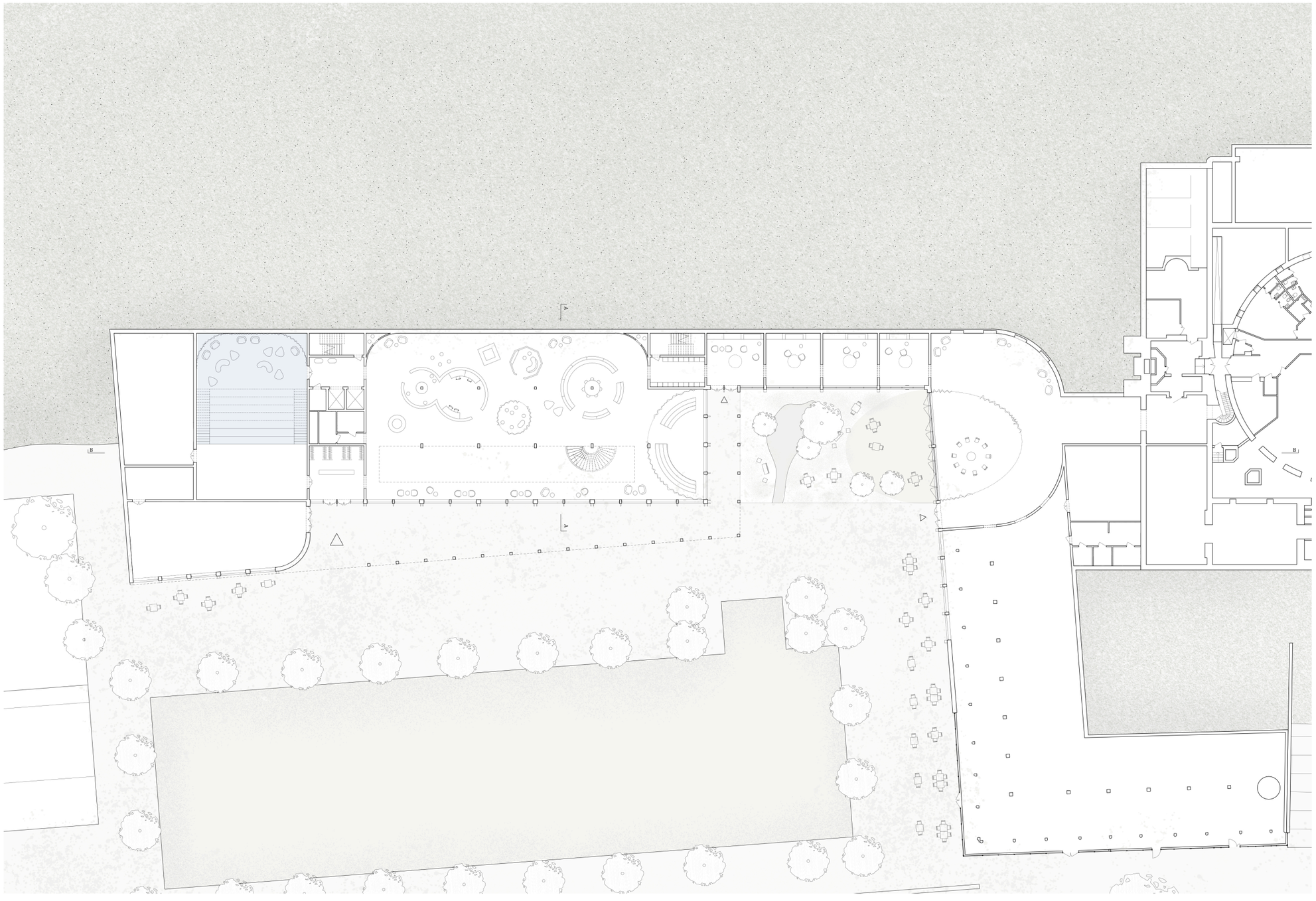


Banana room in Stockholm Library

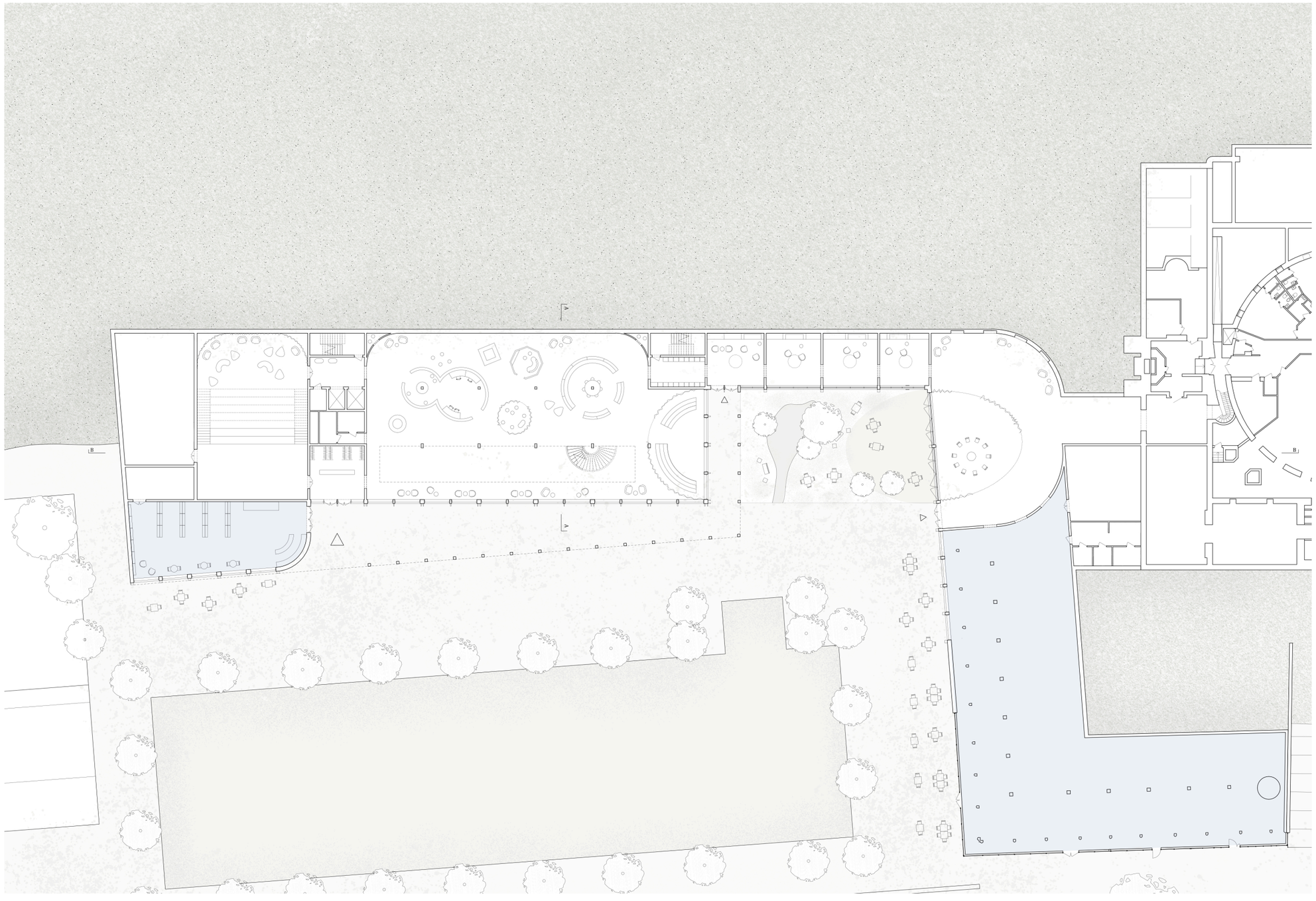


Ground floor

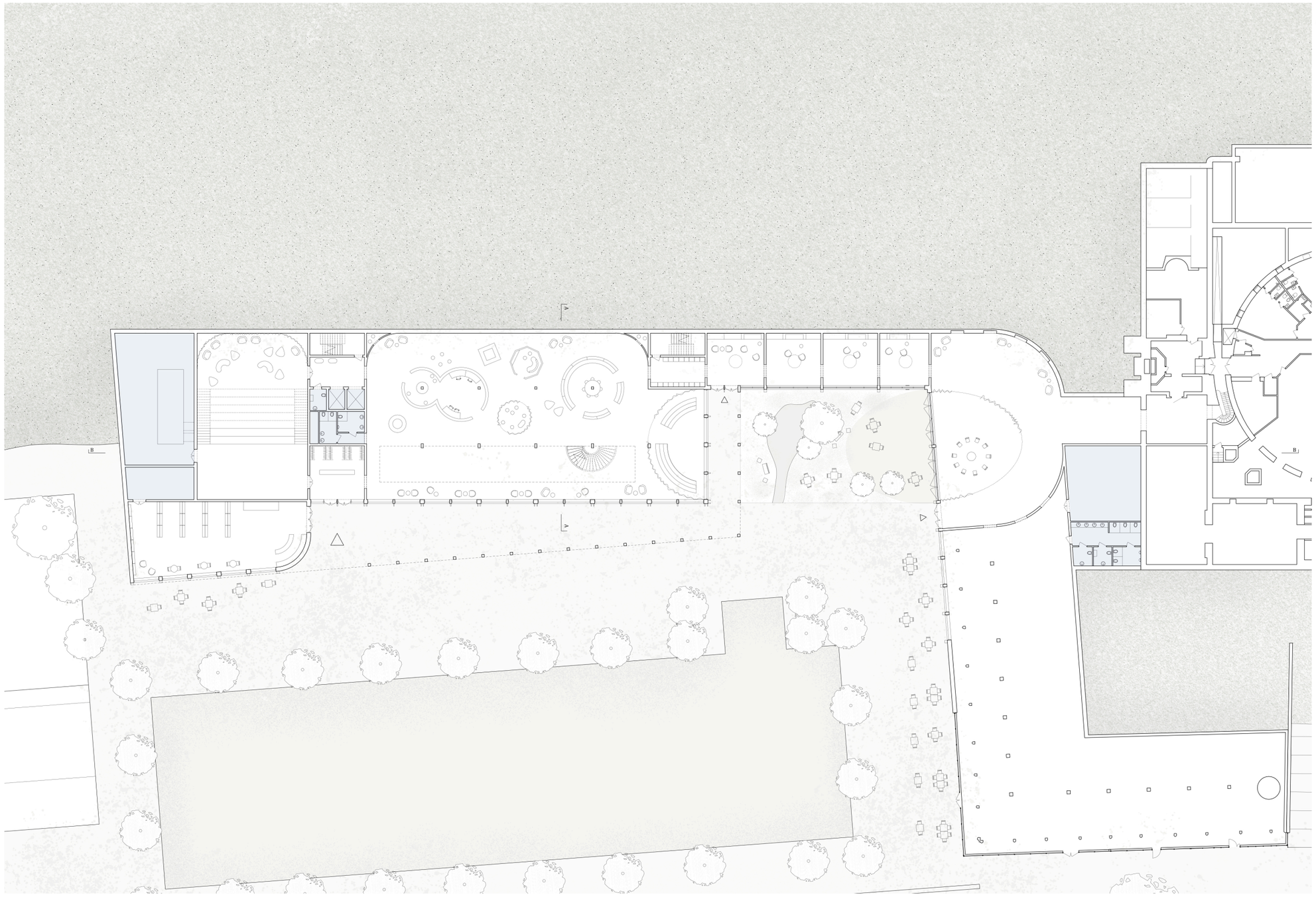




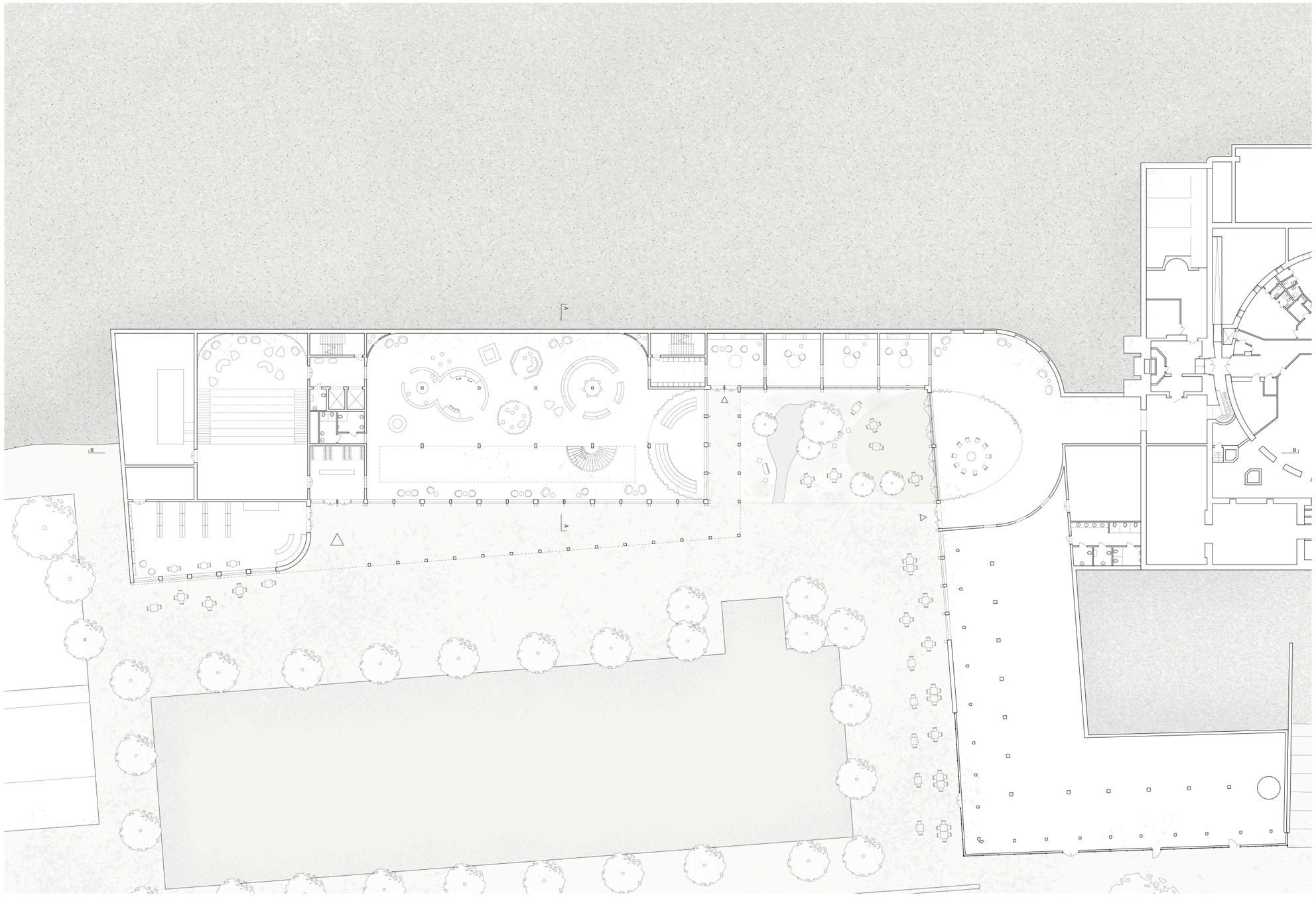
Ground floor



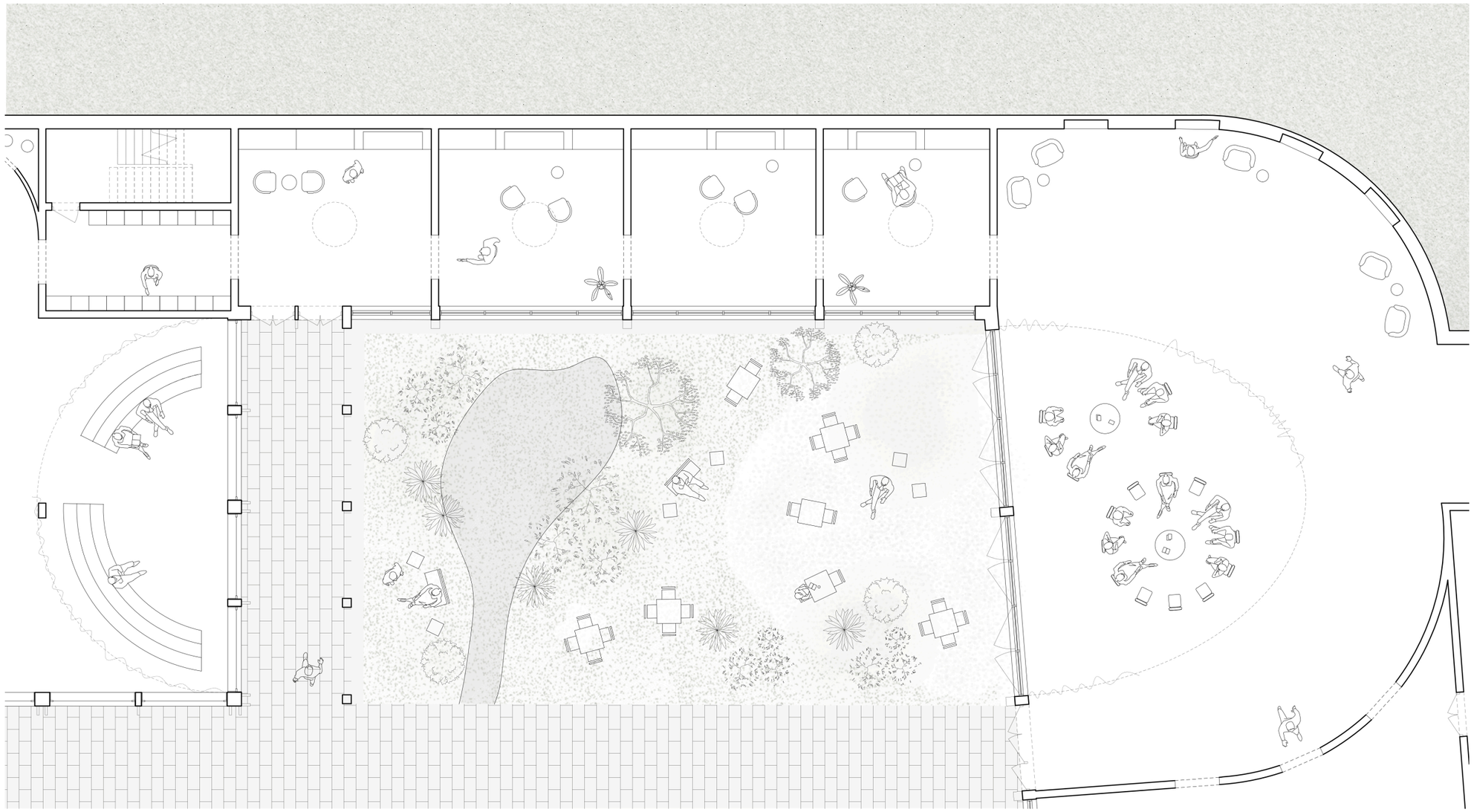
Ground floor



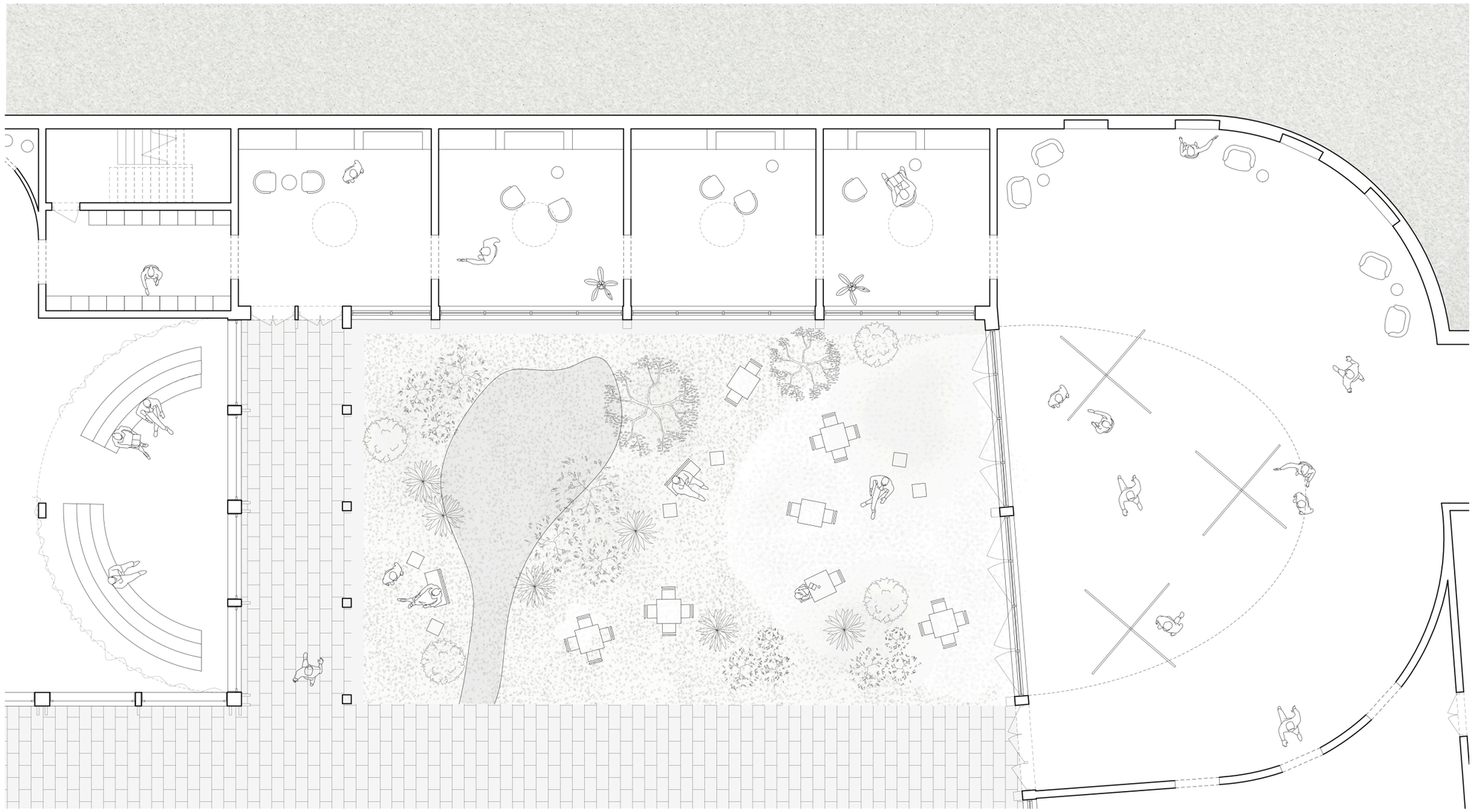
Ground floor



Ground floor



Garden



Garden



Garden



Garden



First floor



First floor



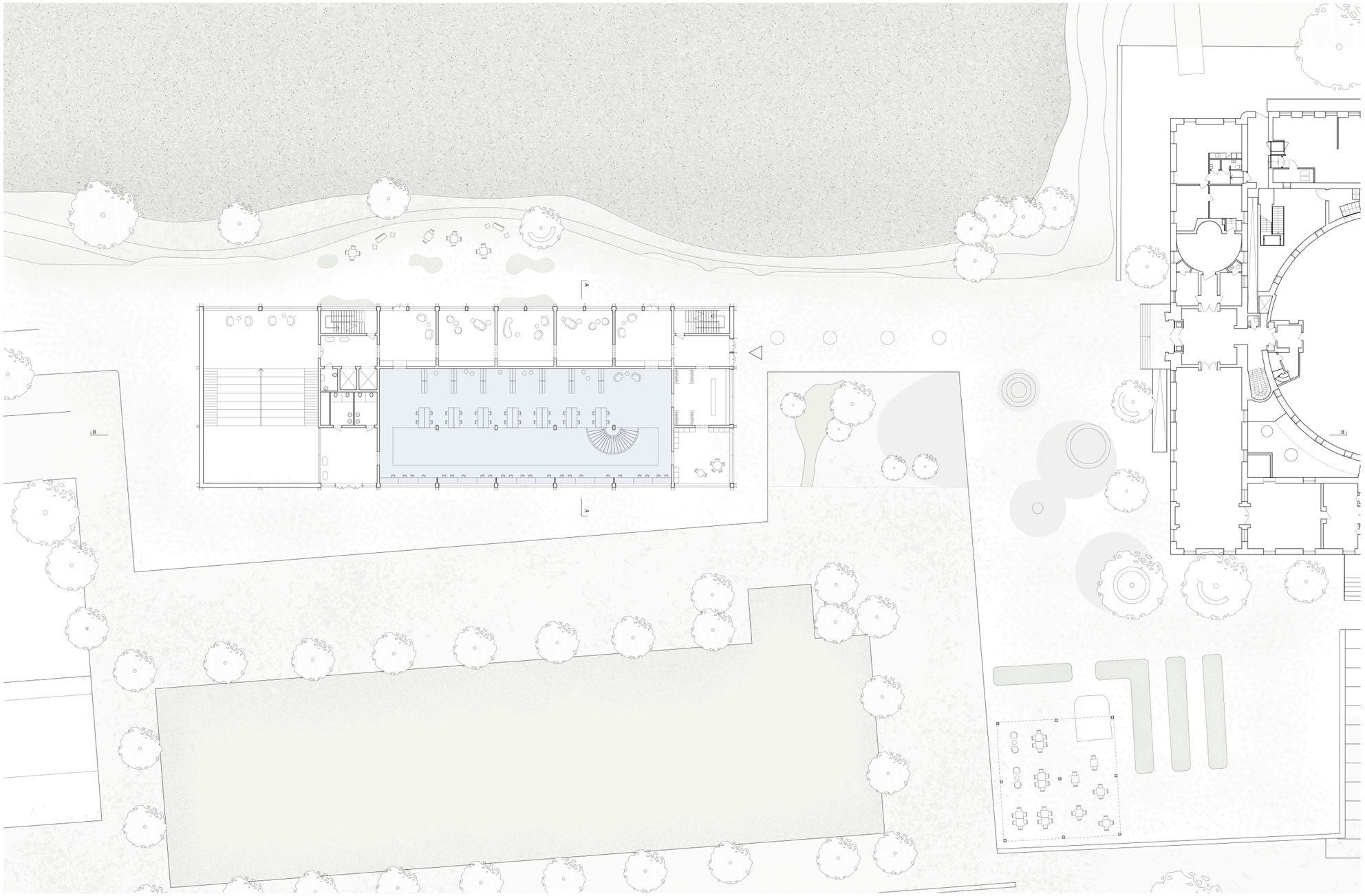
First floor



First floor



First floor



First floor



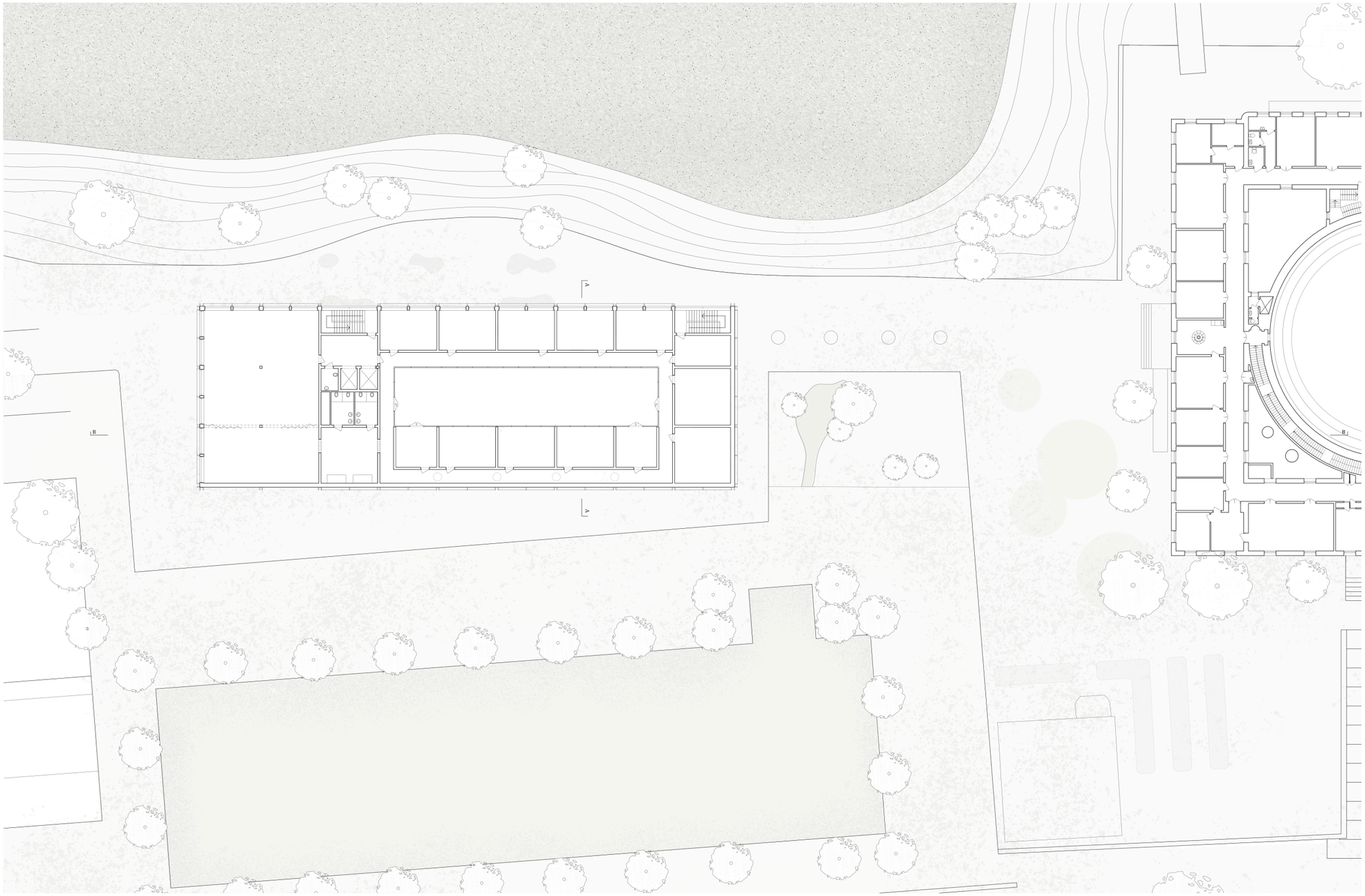
First floor



First floor



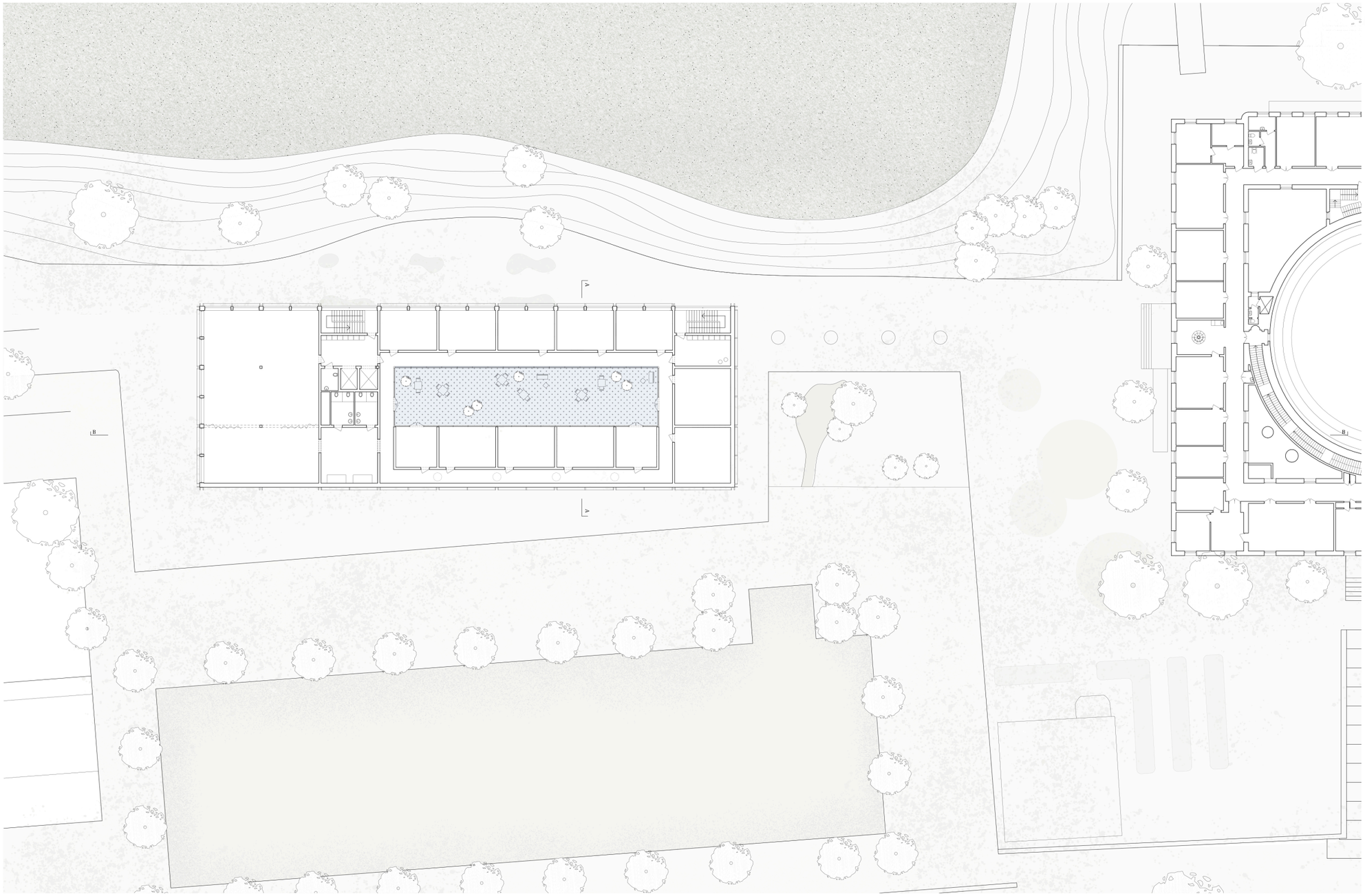
First floor



Top floor



Top floor



Top floor



Top floor



Top floor



Top floor



Top floor



Top floor



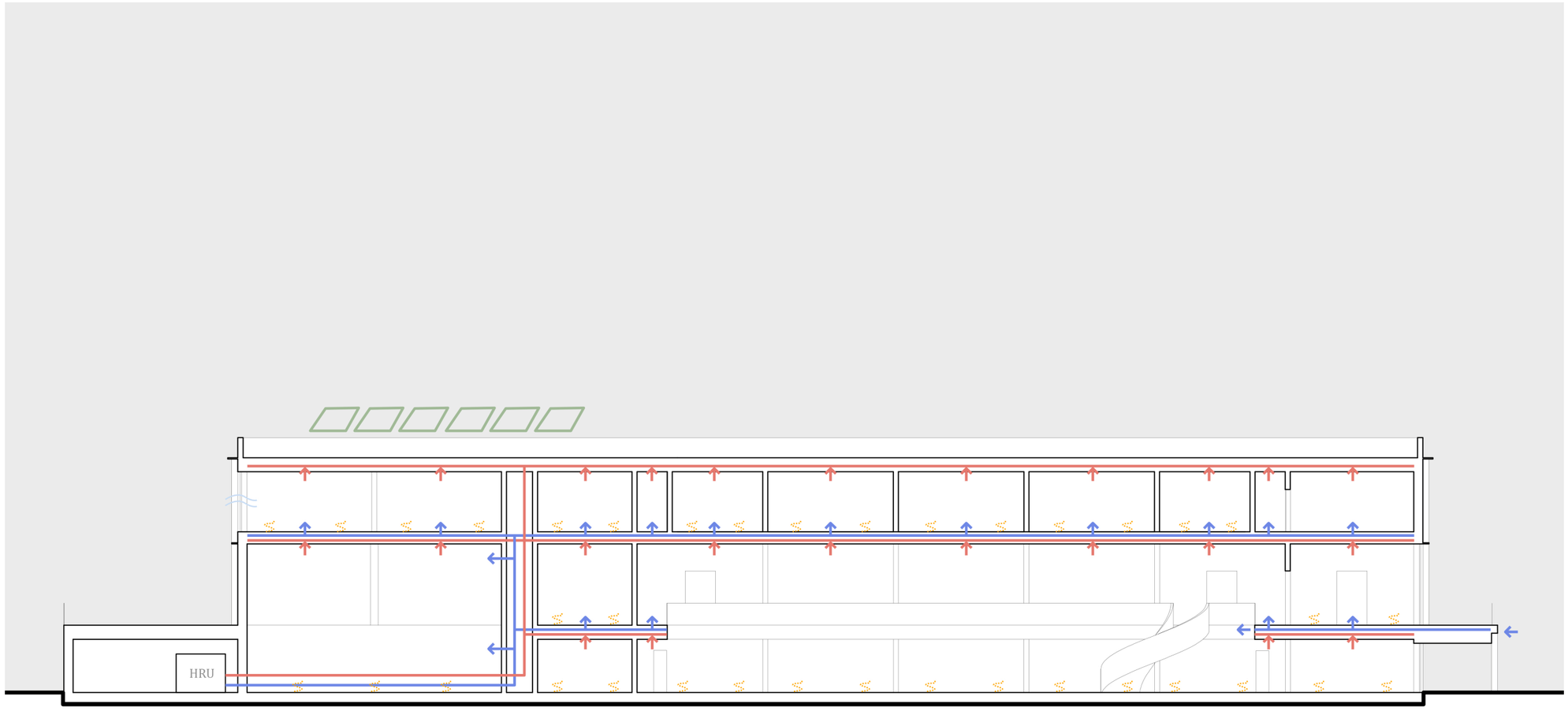
Section A-A



Section A-A



Section B-B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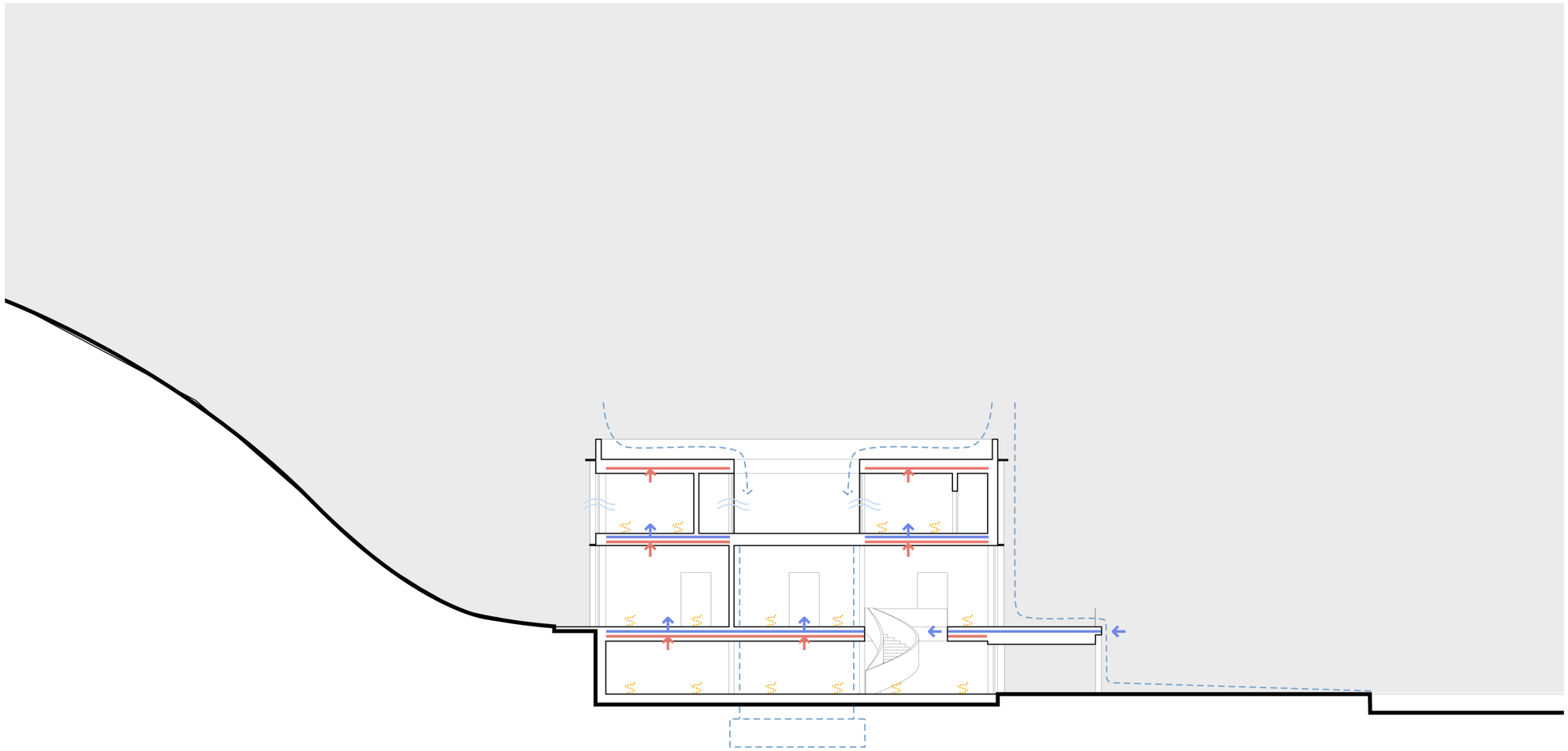
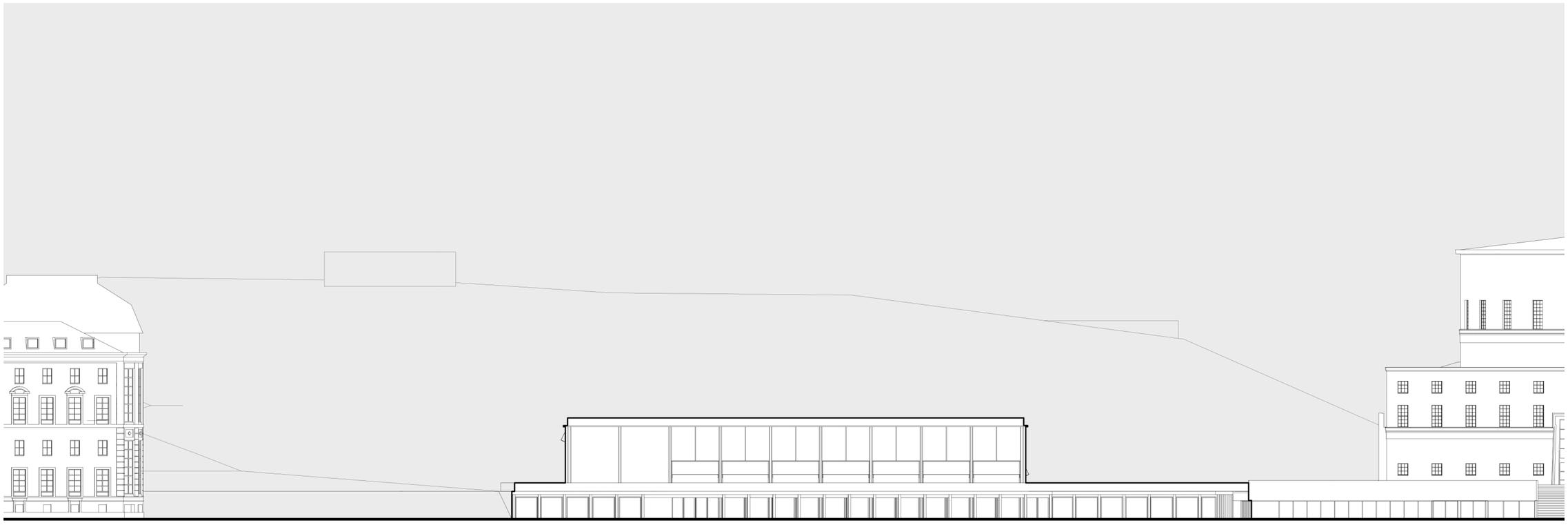
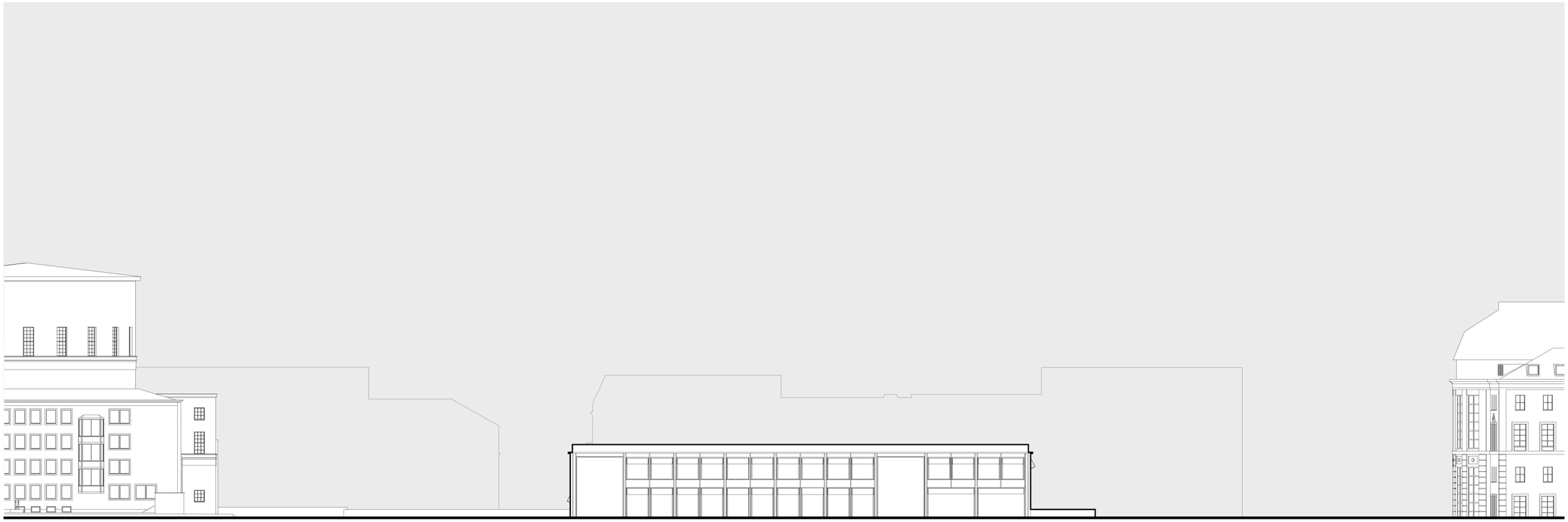




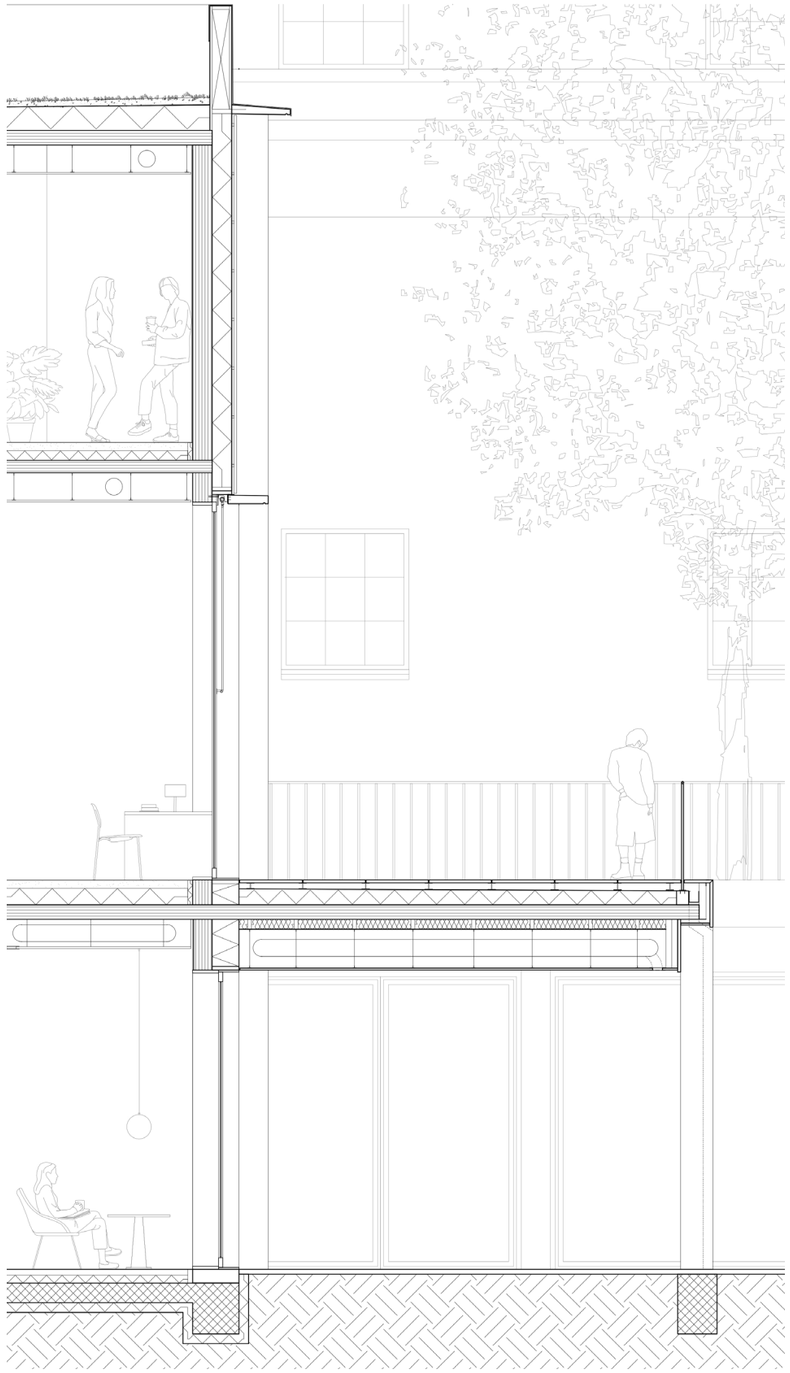
East elevation



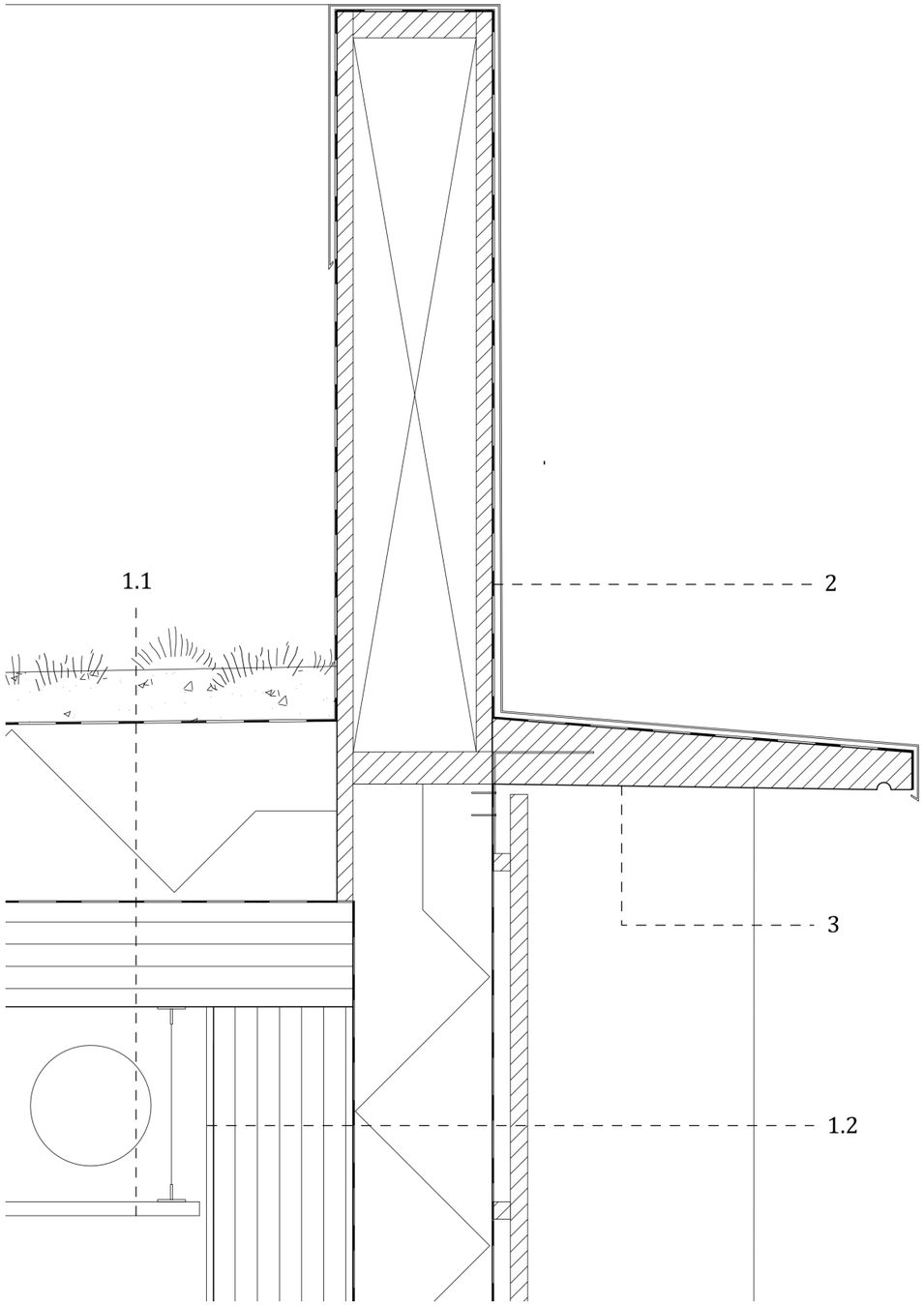


West elevation





Facade fragment





1.1 Roof

50mm vegetation board
PE separation layer
250mm thermal insulation
PE separation layer
150mm CLT slab
300mm installation cavity
15mm suspended ceiling

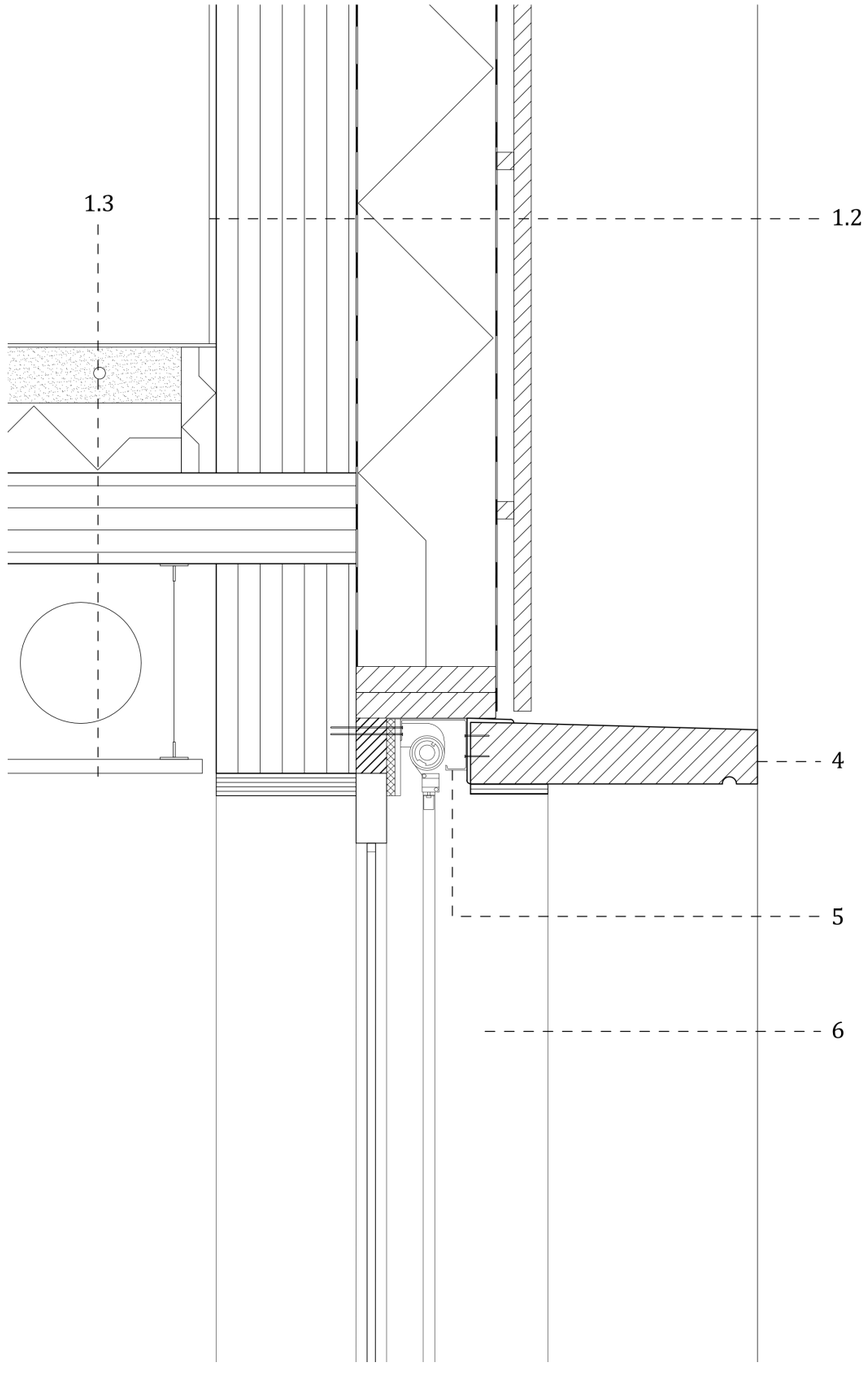
1.2 Exterior wall

15mm interior finish
200mm CLT slab
PE separation layer
200mm frame structure/insulation
PE separation layer
25mm battens/ventilated cavity
25mm exterior wooden panels

2 Roof parapet, covered in painted aluminium

3 Eave, part of the exterior timber frame structure

Roof detail





1.3 Interior floor

10mm finish
80mm cement screed with floor heating
10mm soundproofing insulation
130mm CLT slab
300mm installation cavity
15mm suspended ceiling

4 Shading system

5 Horizontal eave of the timber frame structure

6 Wooden window frame

Window detail

1.4 Terrace floor

30mm stone tiles
70mm tile support
PE separation level
150mm hard insulation
PE separation level
100mm soft insulation
400mm installation cavity
15mm suspended ceiling

7 Railing

8 Horizontal drainpipe

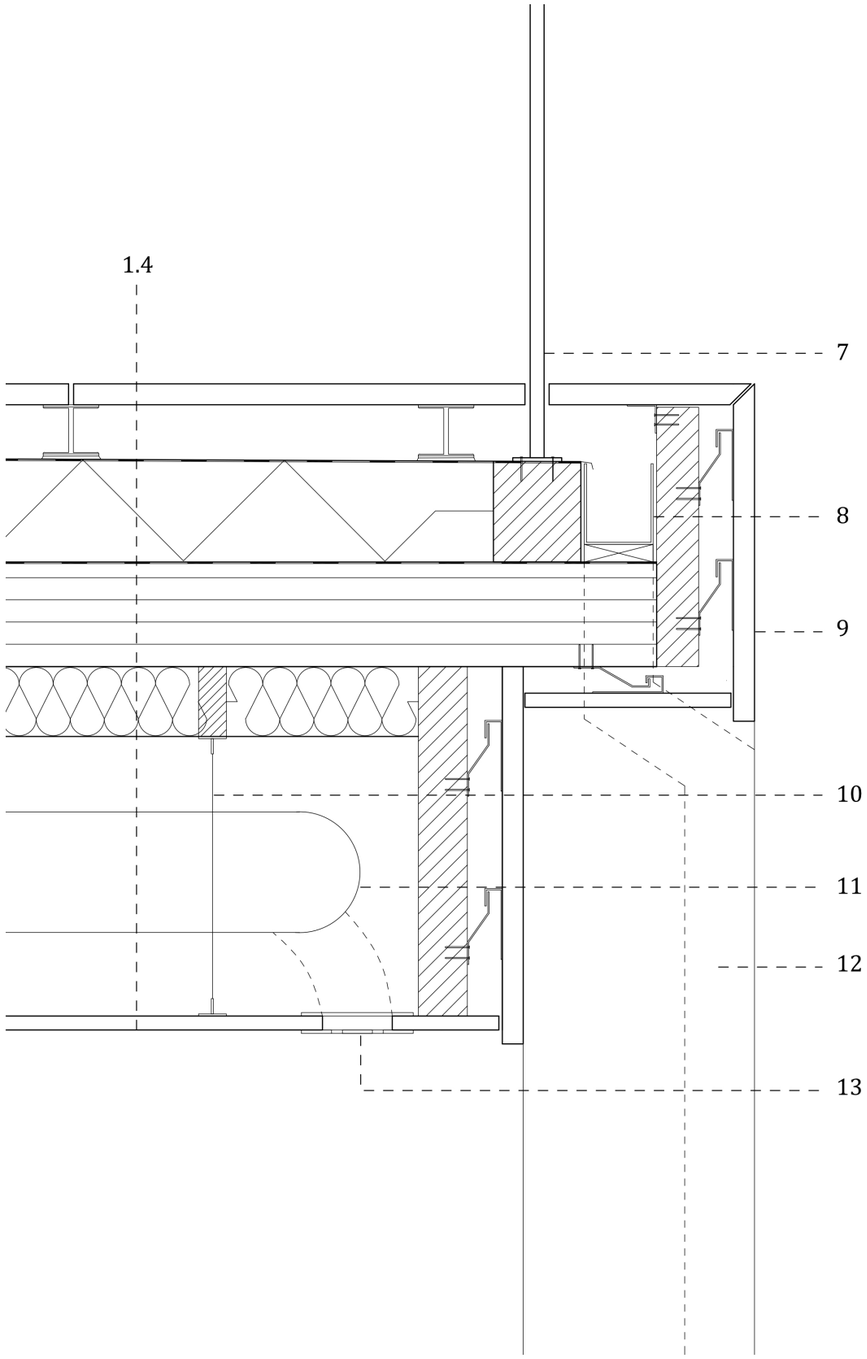
9 Stone cladding

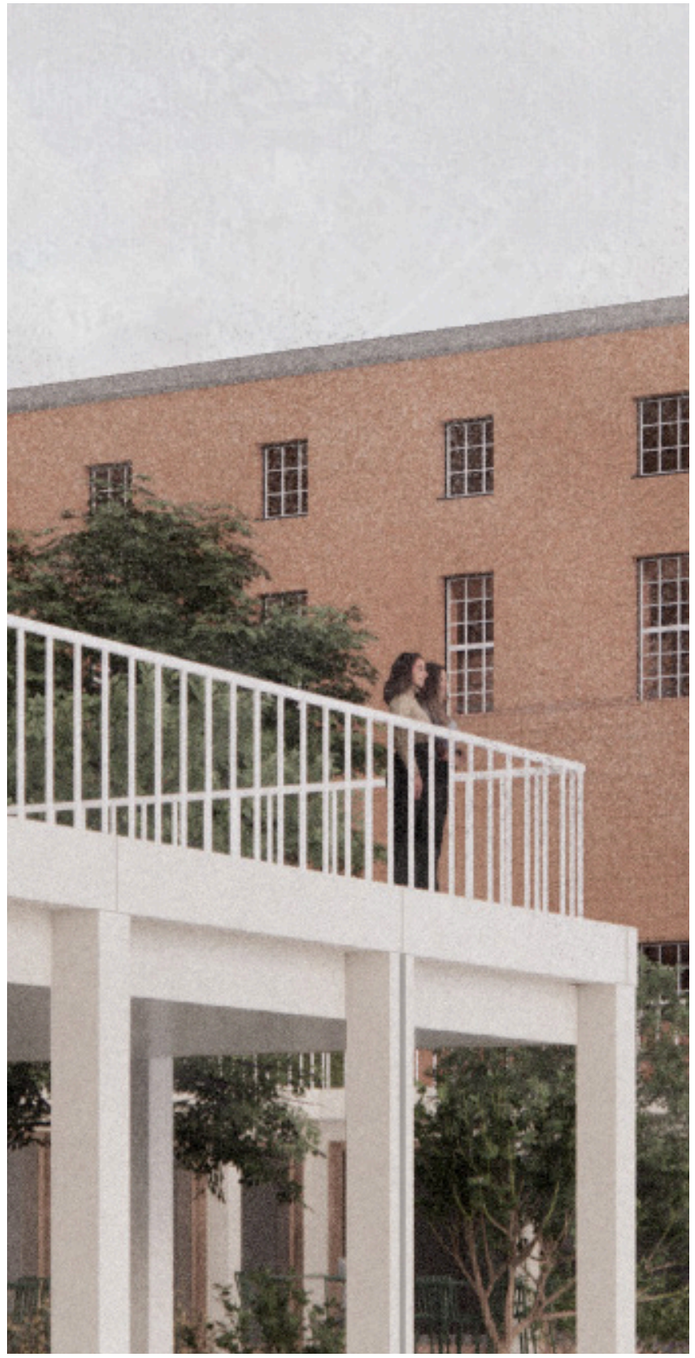
10 Suspended ceiling system

11 Ventilation pipe

12 Vertical drainpipe embeded in column

13 Ventilation grill





Terrace detail



Facade fragment



