

Activity and Social Integration: Bridging and Bonding Social Capital

Interiors Buildings Cities

Hengwei Ji-P5

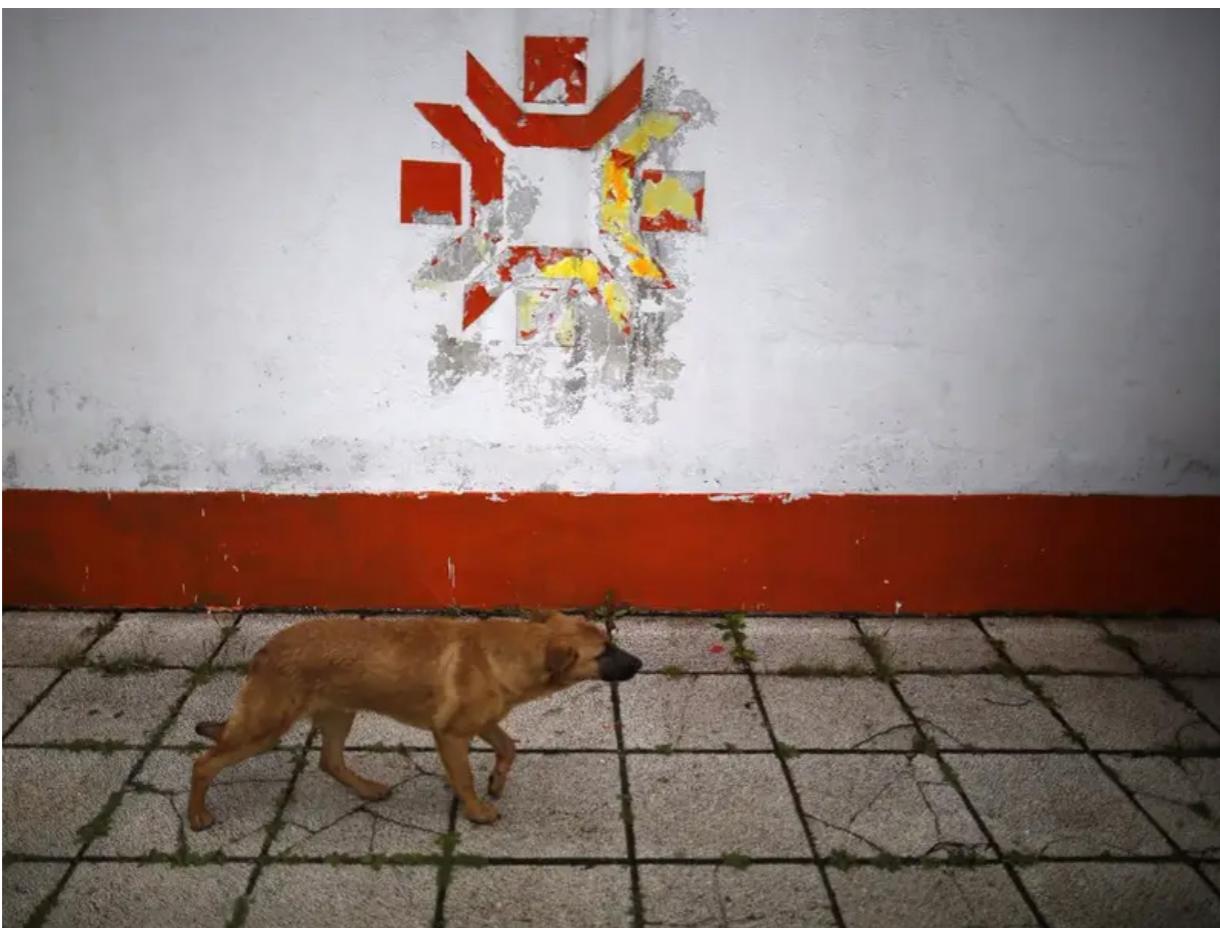
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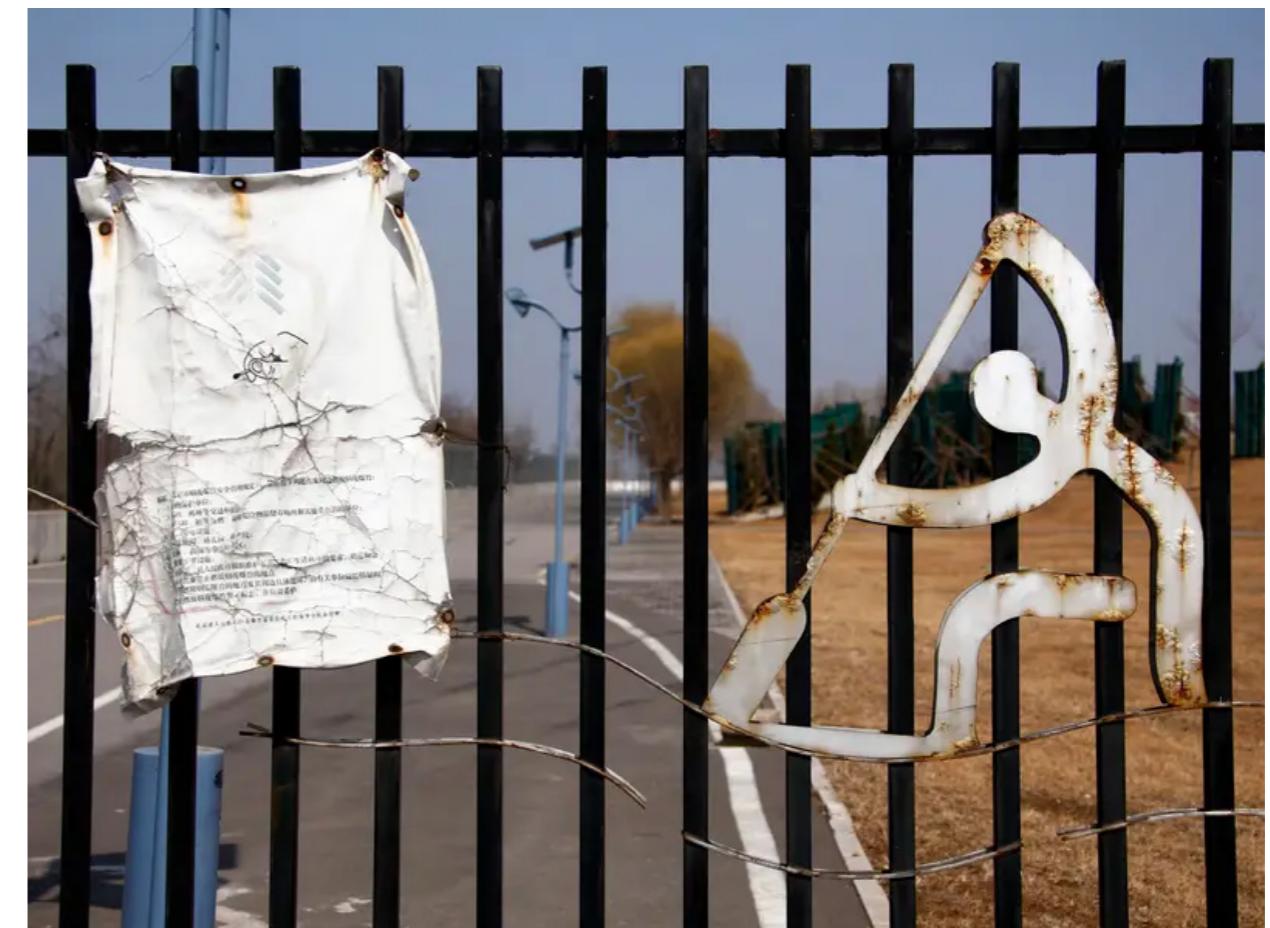
0. Preface

Starting point: What activities can do in terms of social interaction? What contemporary activities space should be?

What's the ideal activity space should be?



Useless arena



Temporary use

What's the role of activity space in social aspects?



Sport activity: Gathering people&Consolidating community cohesion(photo: West 4th Street Courts, New York City)

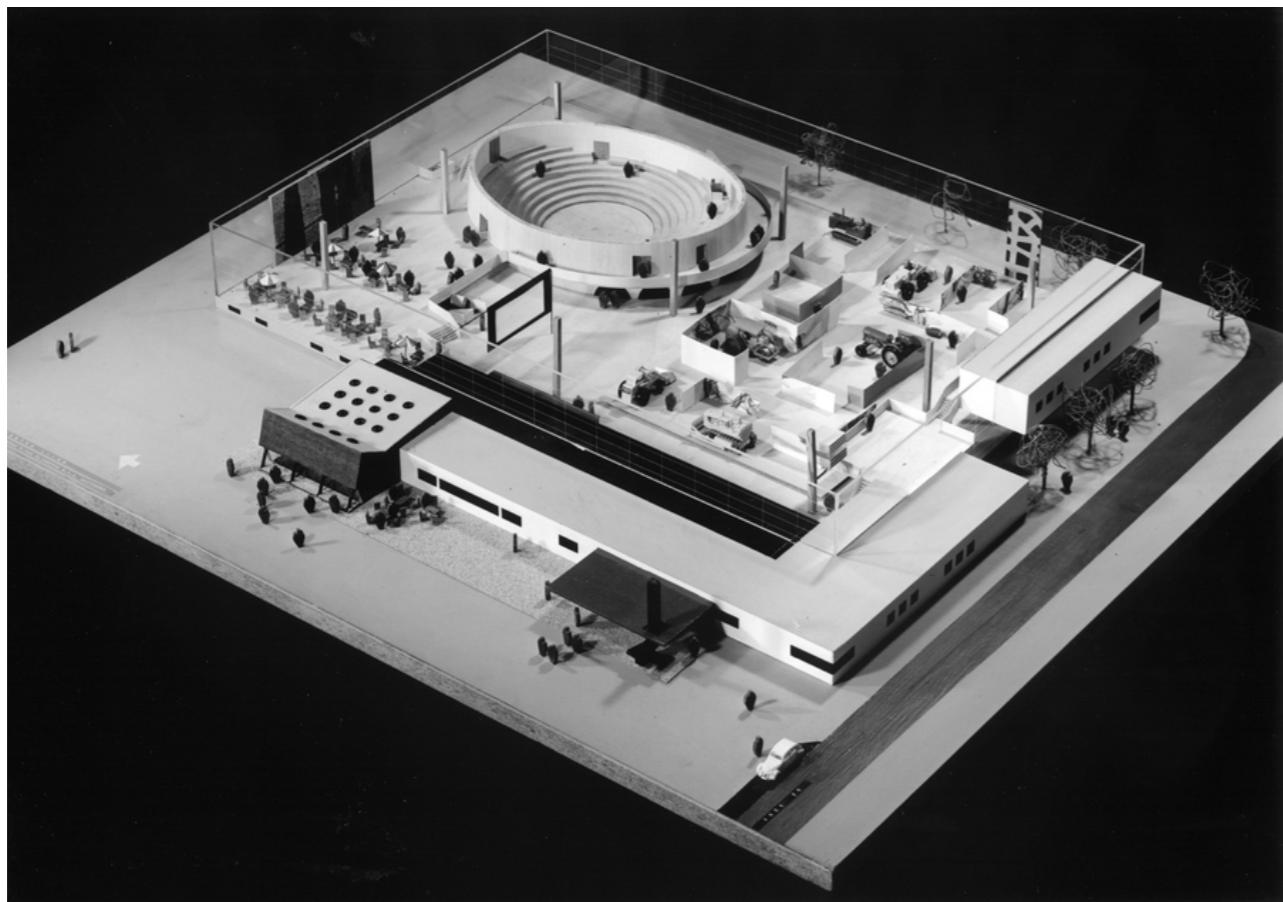


Trend 1: Intimate to environment

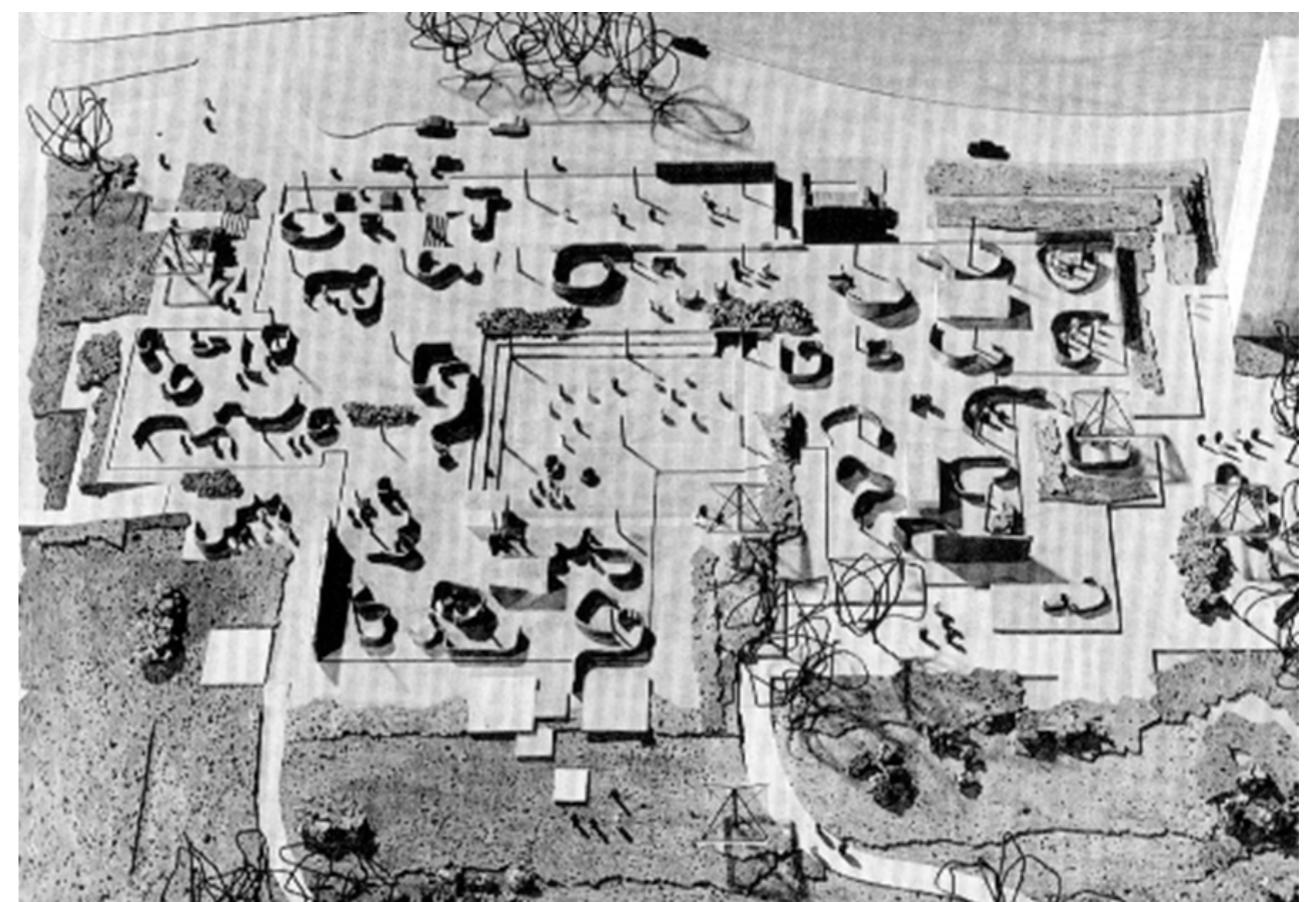


Trend 2: Human centric

Aldo Van Eyck's playgrounds



Trend 3: Multifunctional



Trend 4: Flexible space

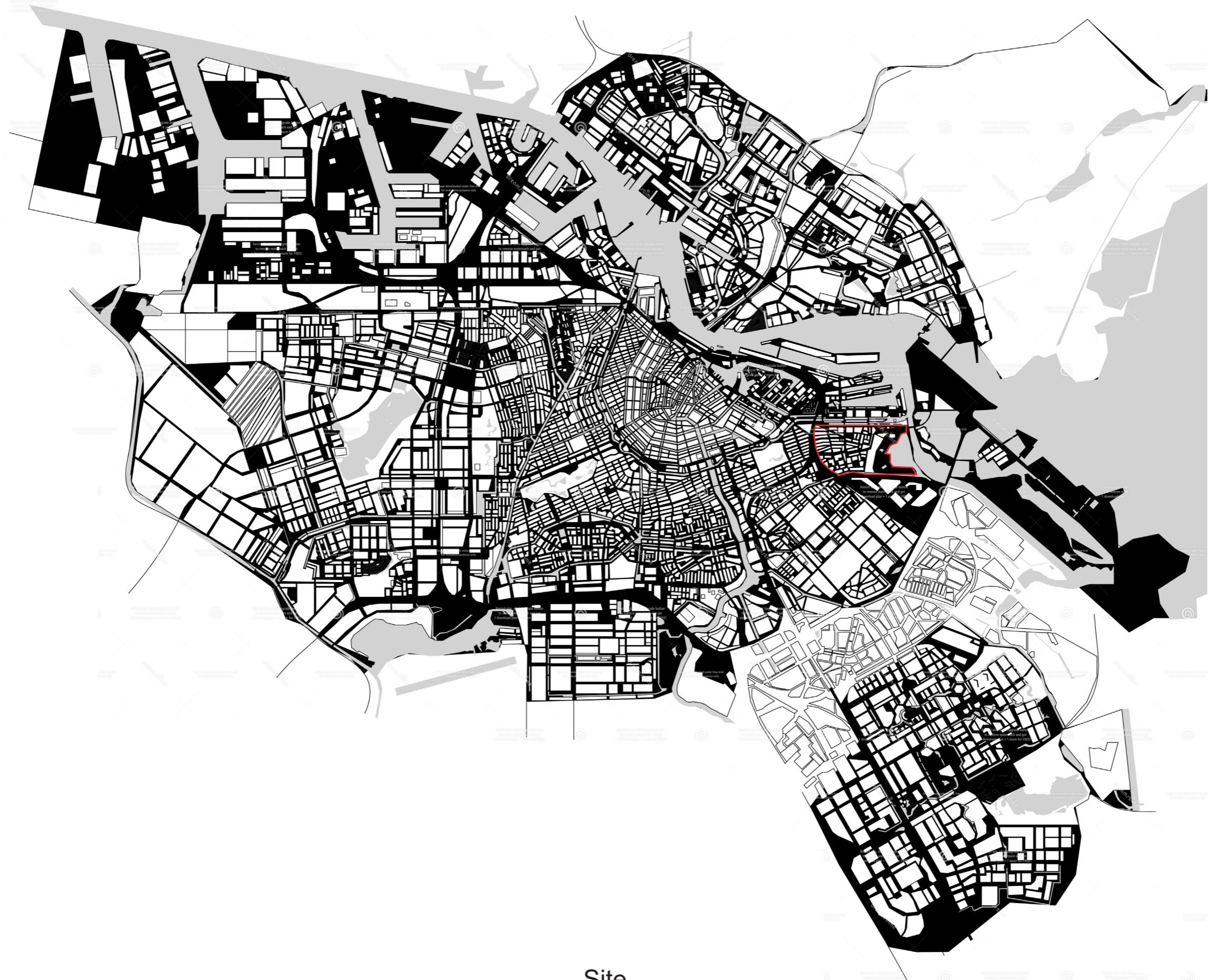
Frank Van Klingerens's community centers



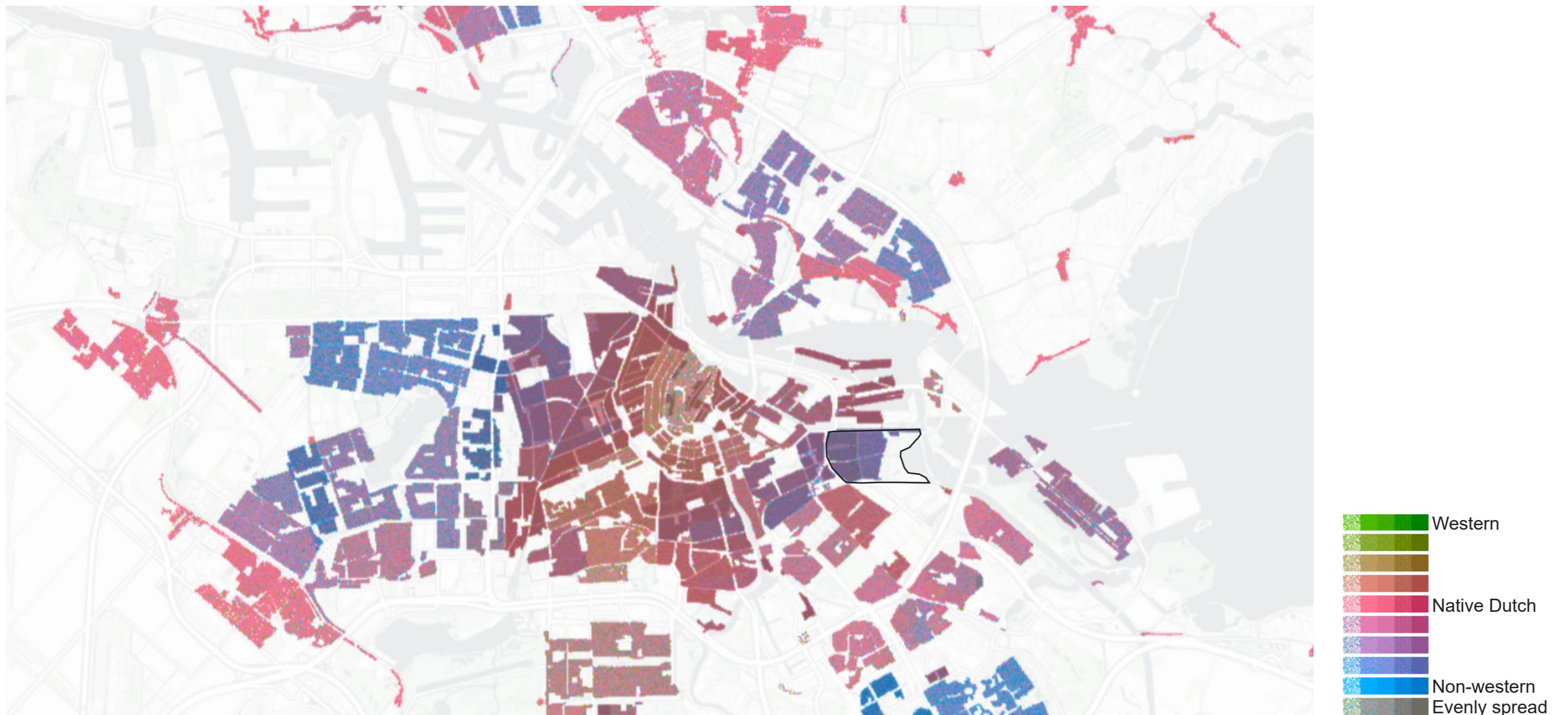
Typical ideal character: Sesc Pompeia by Lina Bo Bardi, engaged with community life

1. Context

Based on the role of social activities-gathering different people, one crucial character of Amsterdam reminded me is population diversity. One typical neighborhood reflecting this character is Indische Buurt



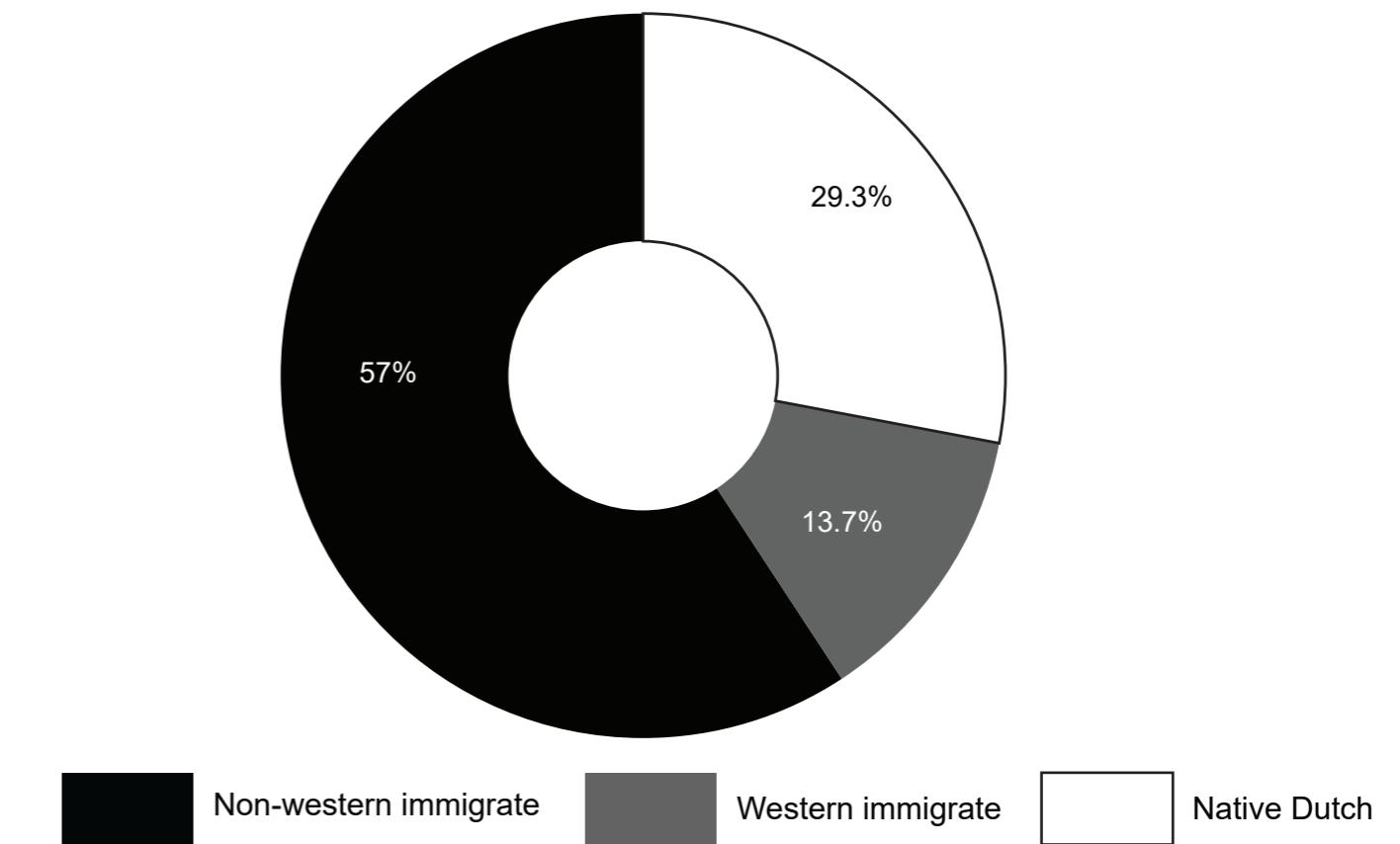
Site



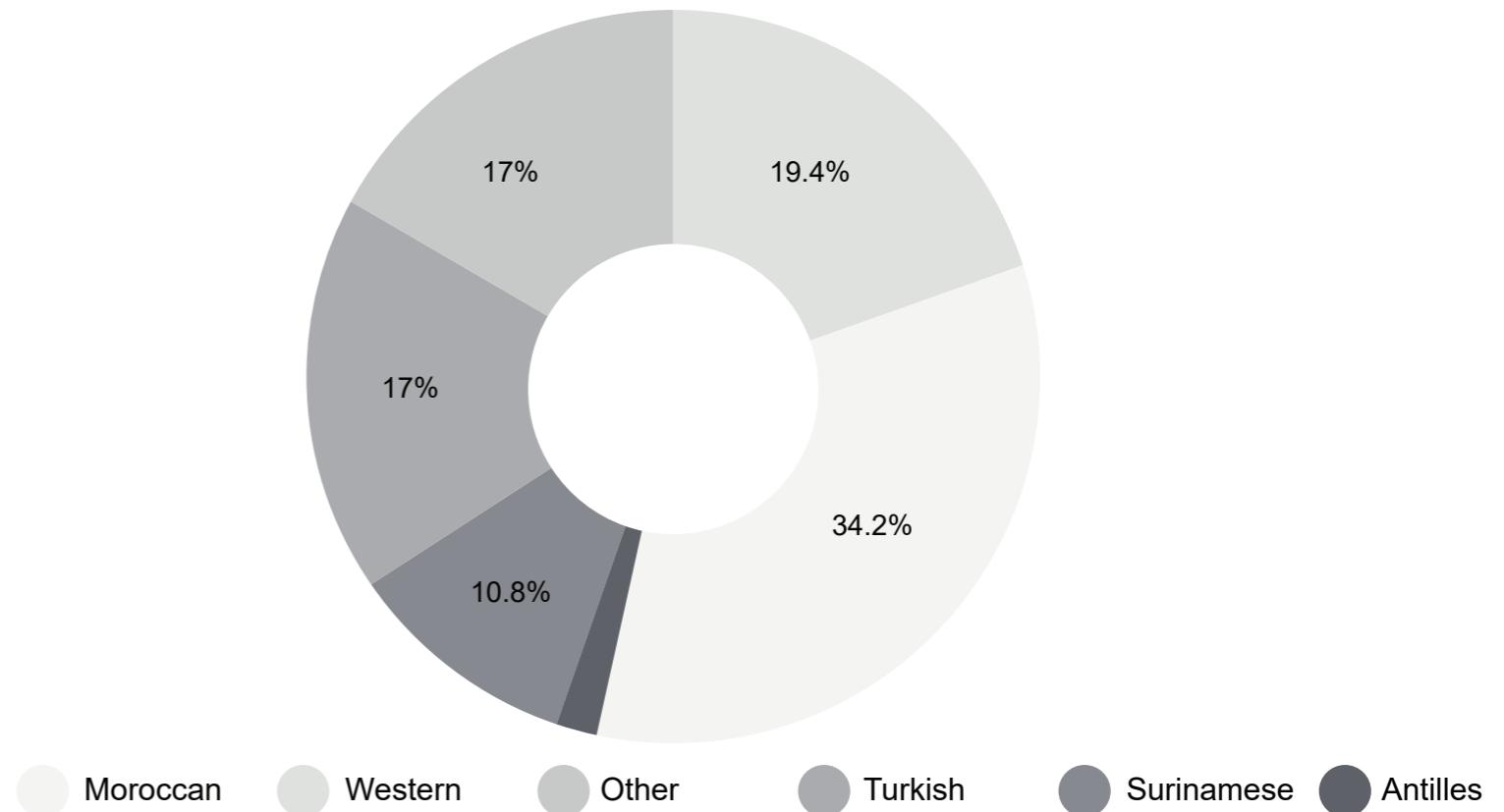
Ethnic spread dotted map

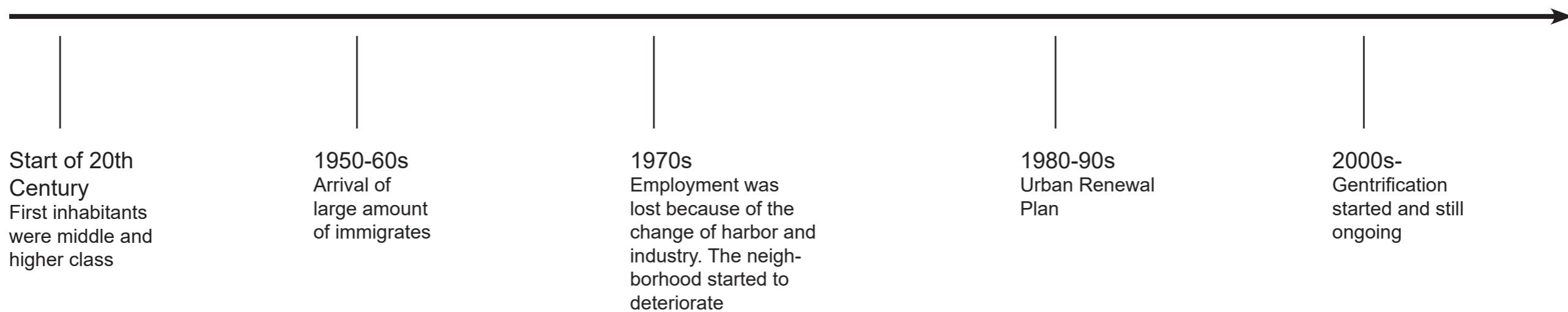


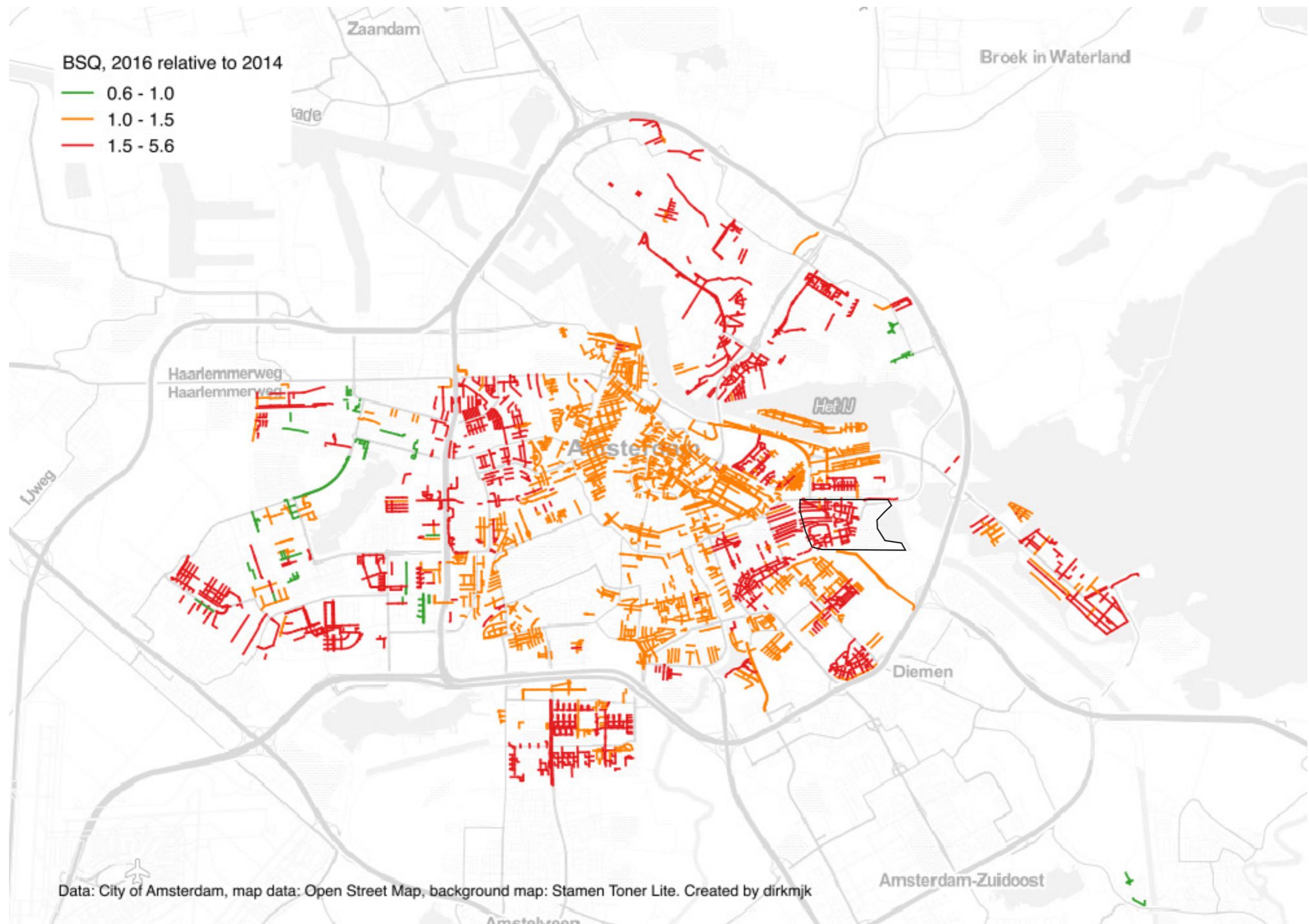
Labour guest workers



Family reunification







Gentrification mapped

Social-Mixing

Urban Transformation

Gentrification

Alienation

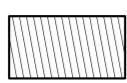
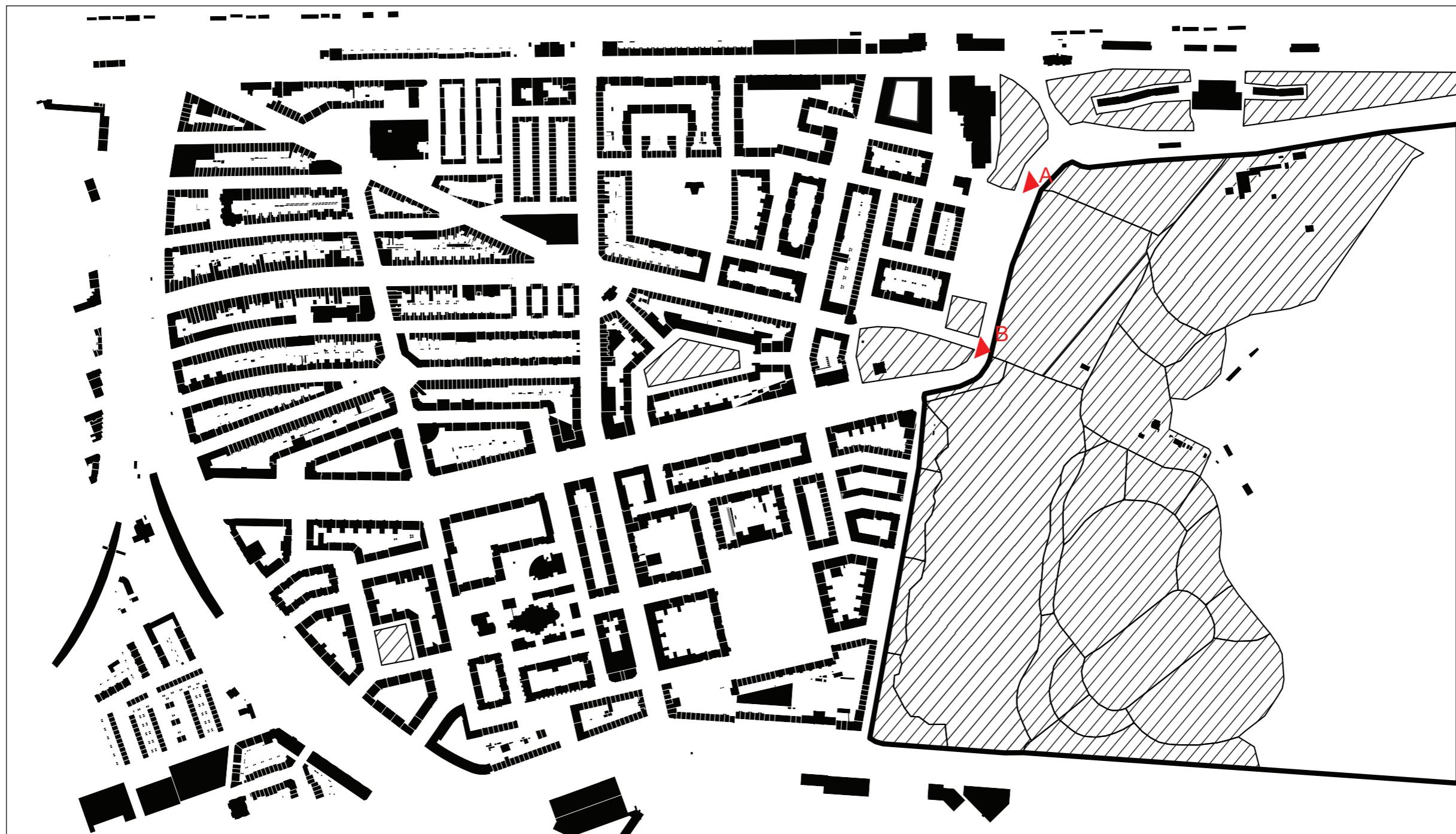
Culture-Diverse

Exotic

Differentiation

Less-Interaction

Gathering



Nature zone

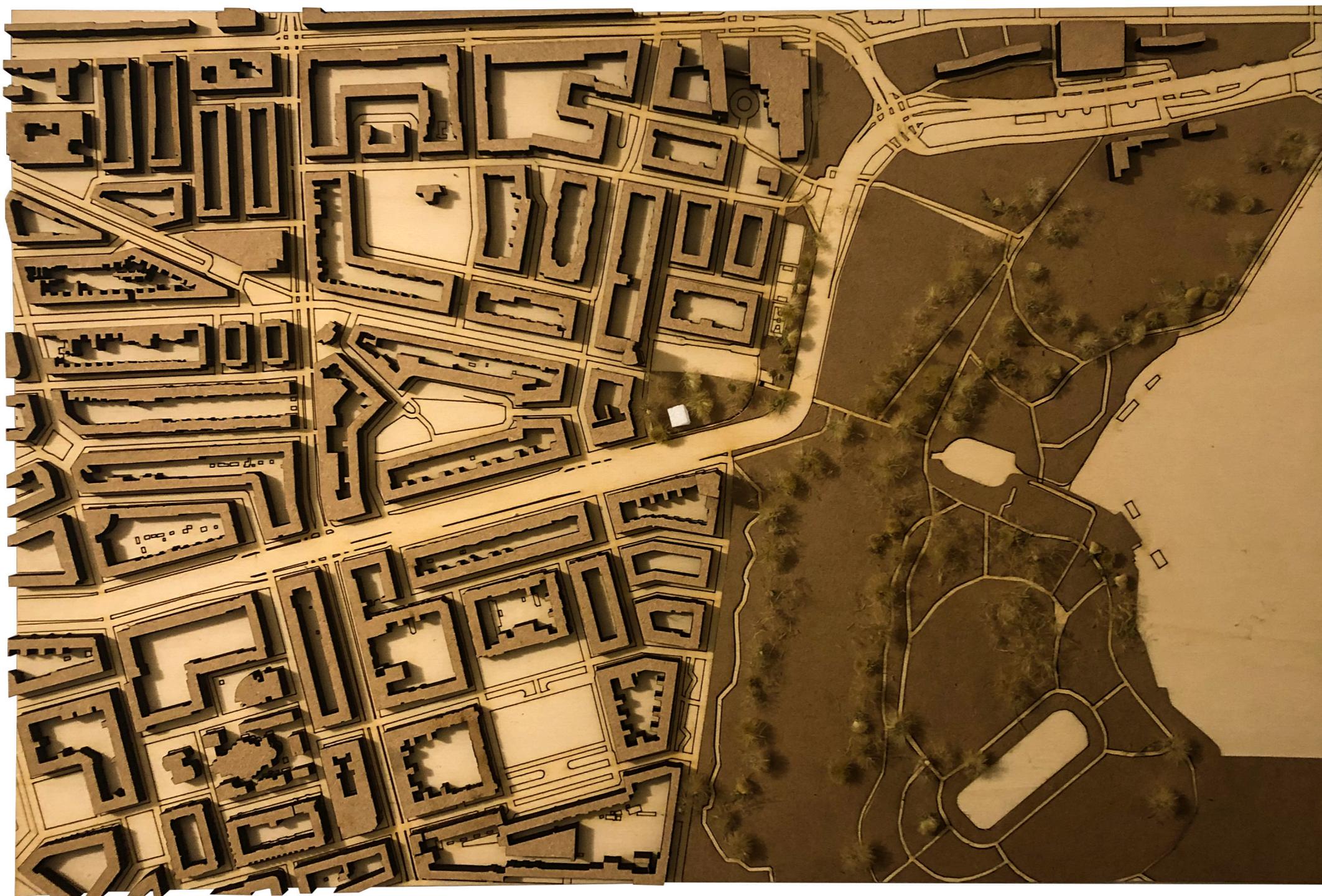


Building zone

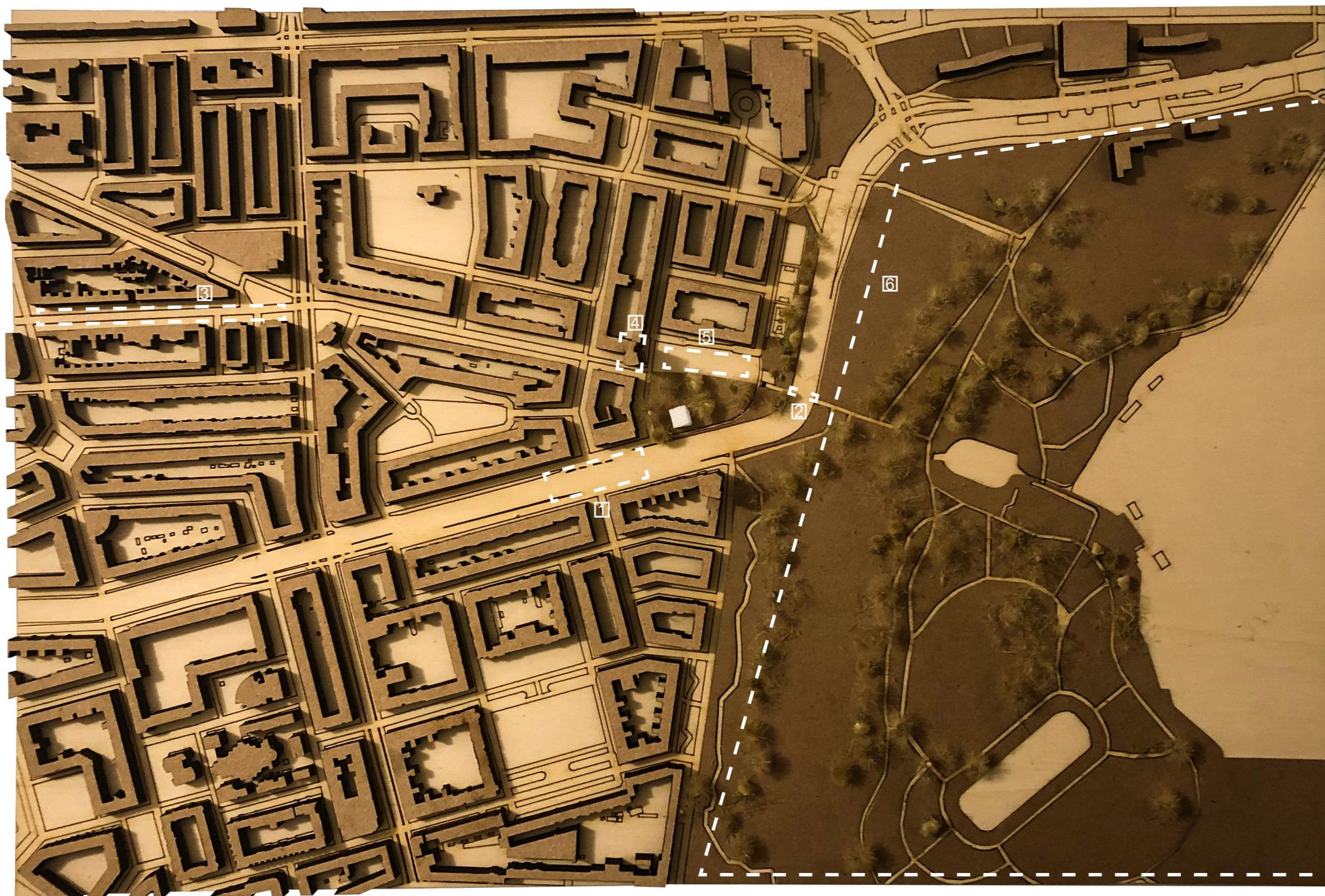


Flevopark

Connection



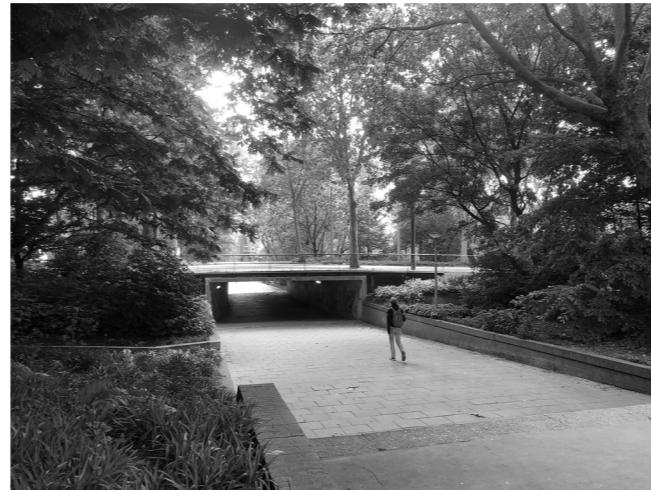
Site model



Surrounding elements



No.1 Bus Station



No.2 Tunnel to Flevopark



No.3 Javastraat



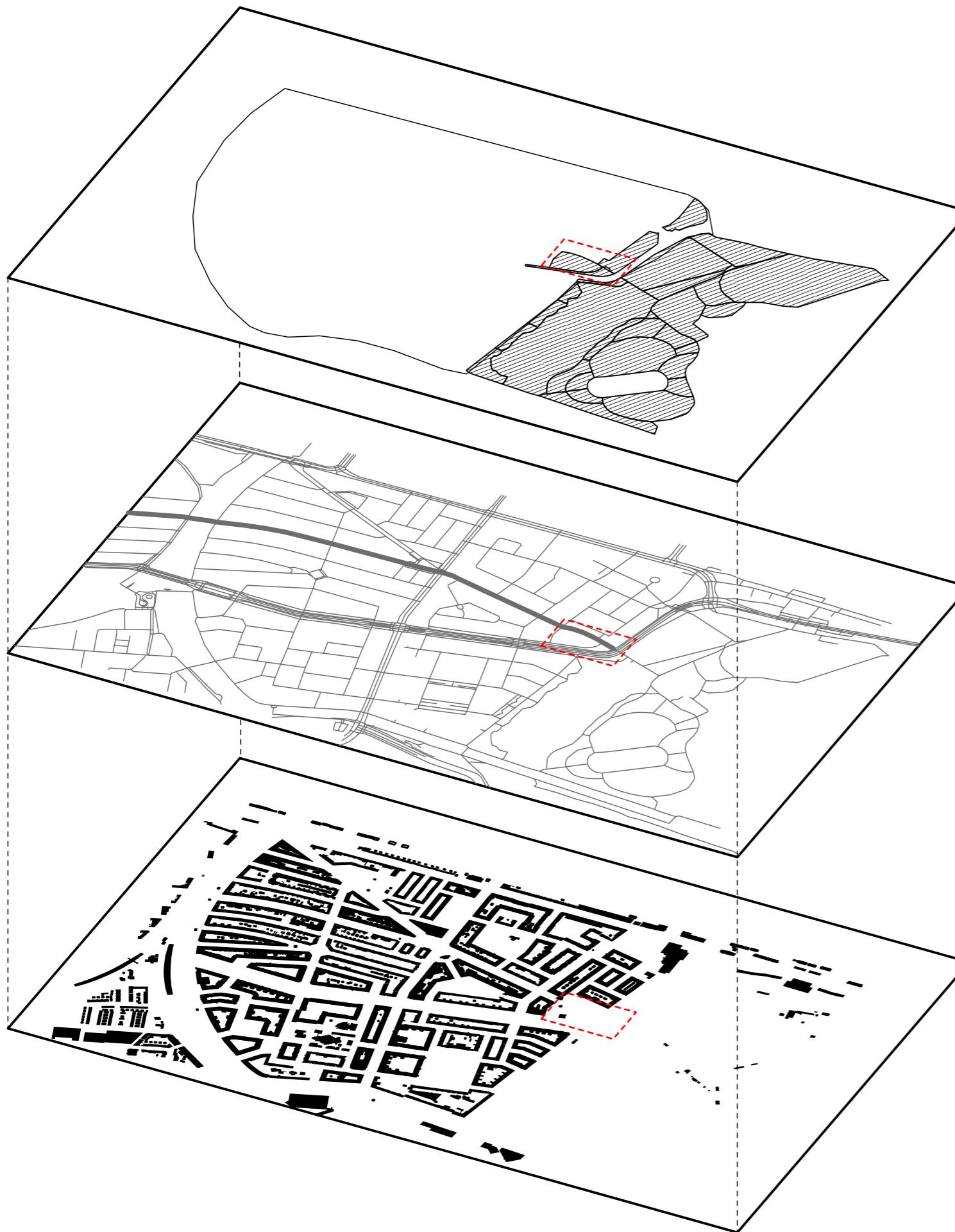
No.4 Primary school



No.5 Square

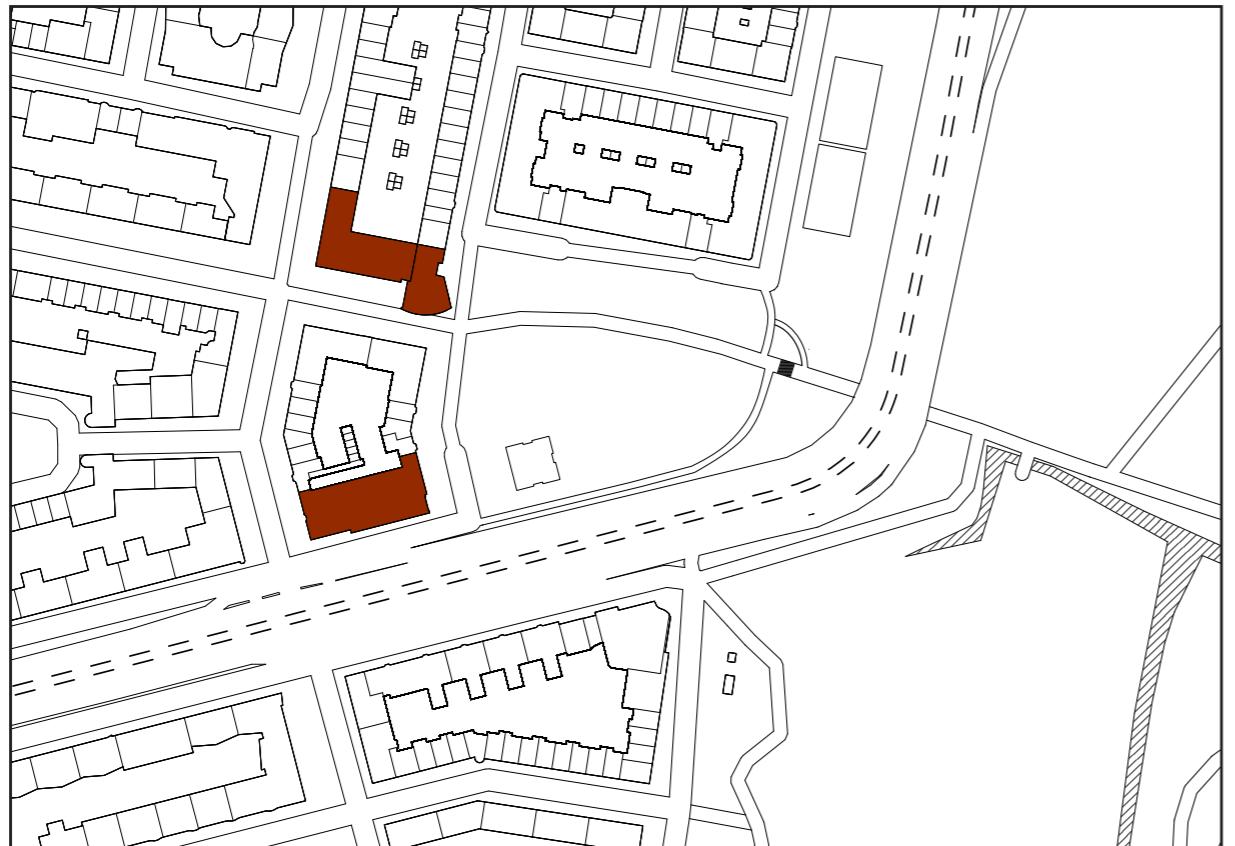


No.6 Flevopark

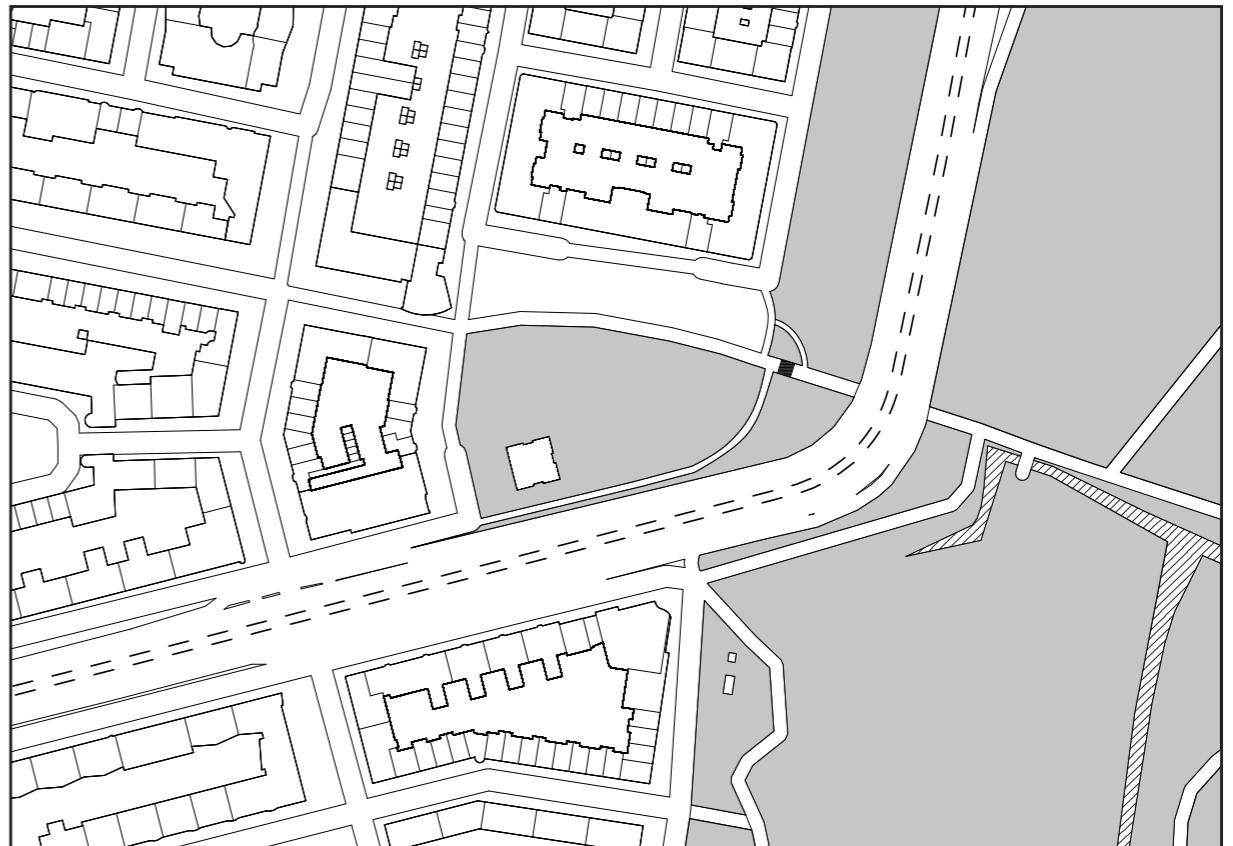


Benefits of selected area

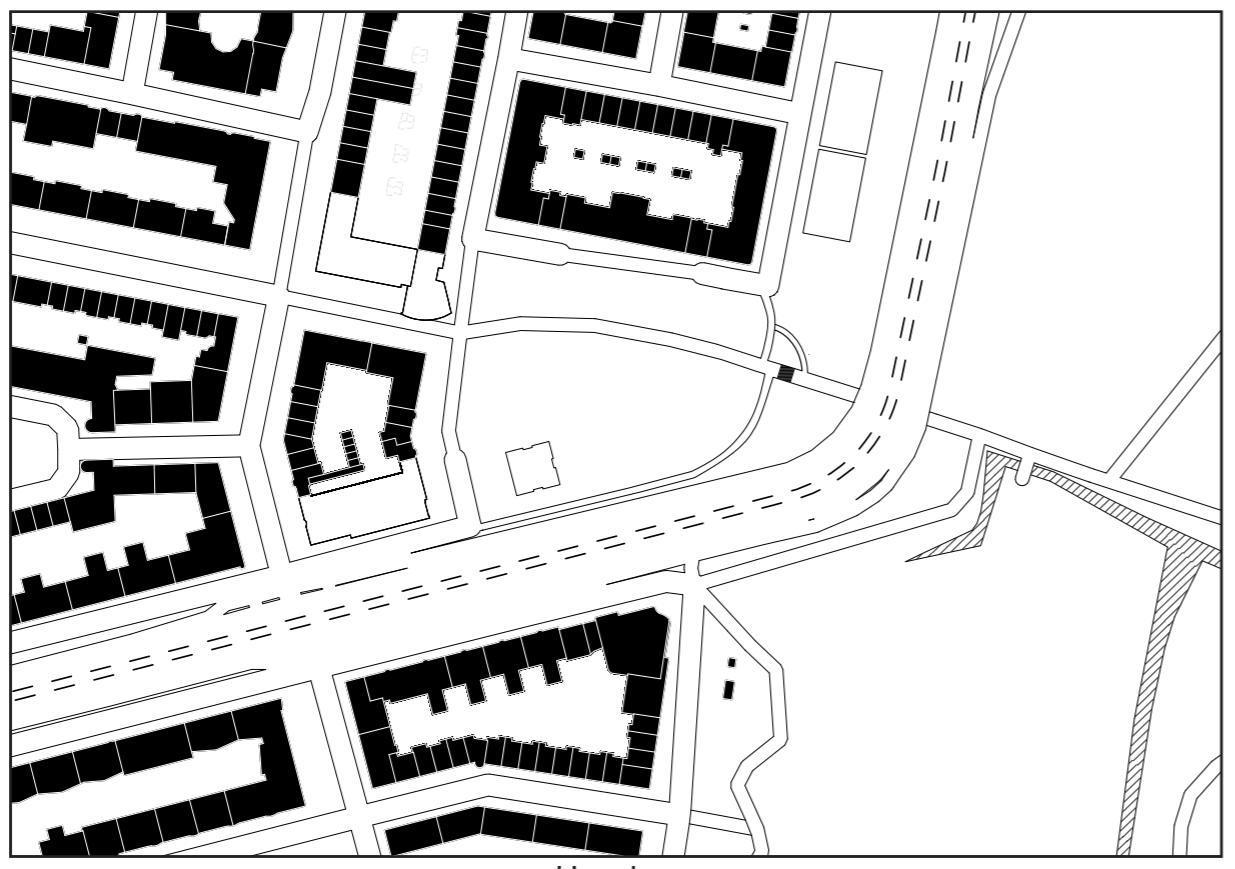
1. Located at the **transition area** between neighborhood and the Flevopark. So it can be seen as the **entrance area** of the park to integrate both urban and nature identities.
2. Near the main connection between neighborhood and Flevopark, where most people pass by. Hence having good potential to **gather people**.
3. One open area without too many activities create opportunities to improve.
4. Located at the intersection of main pedestrians route and main motorway.
5. One existing community center barely used also creates opportunities make use of the programme and transform it.
6. Some existing nearby sport facilities can also get relationship



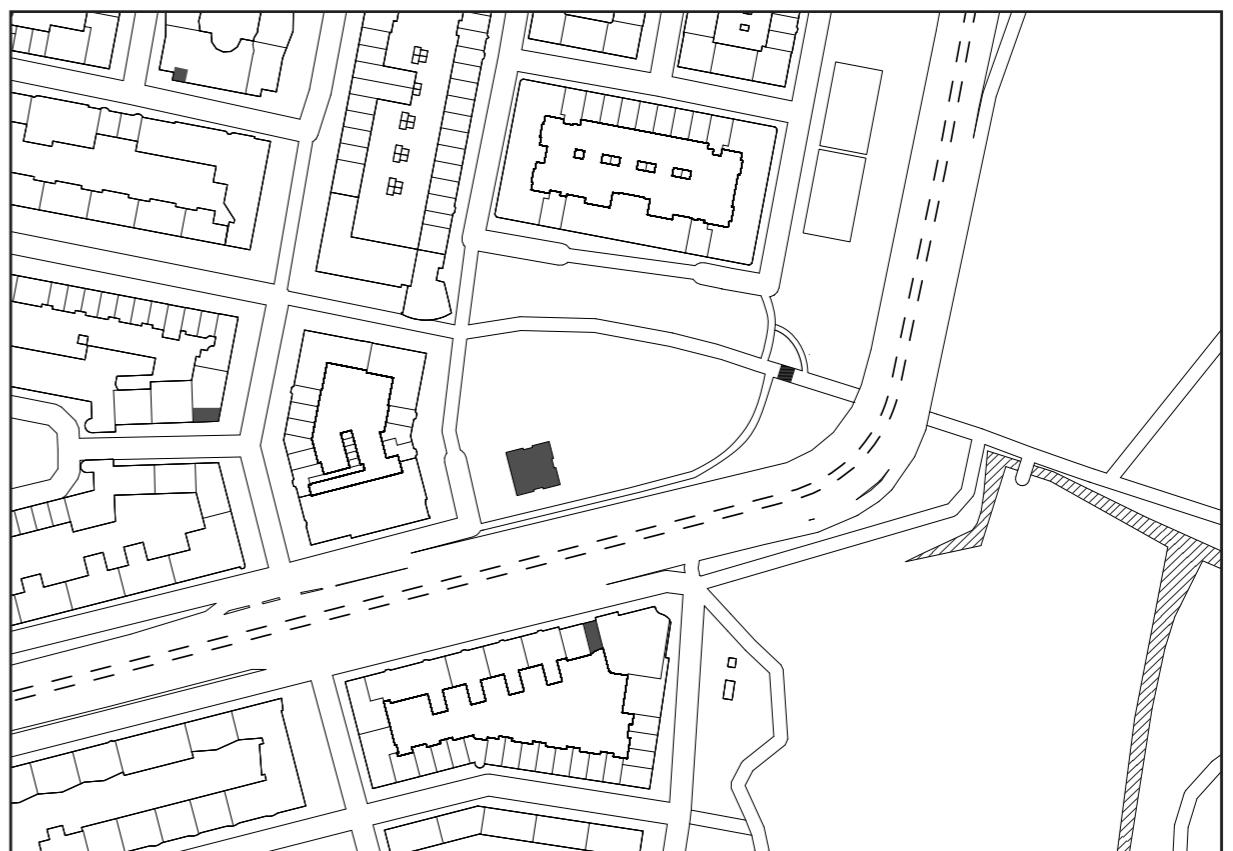
School



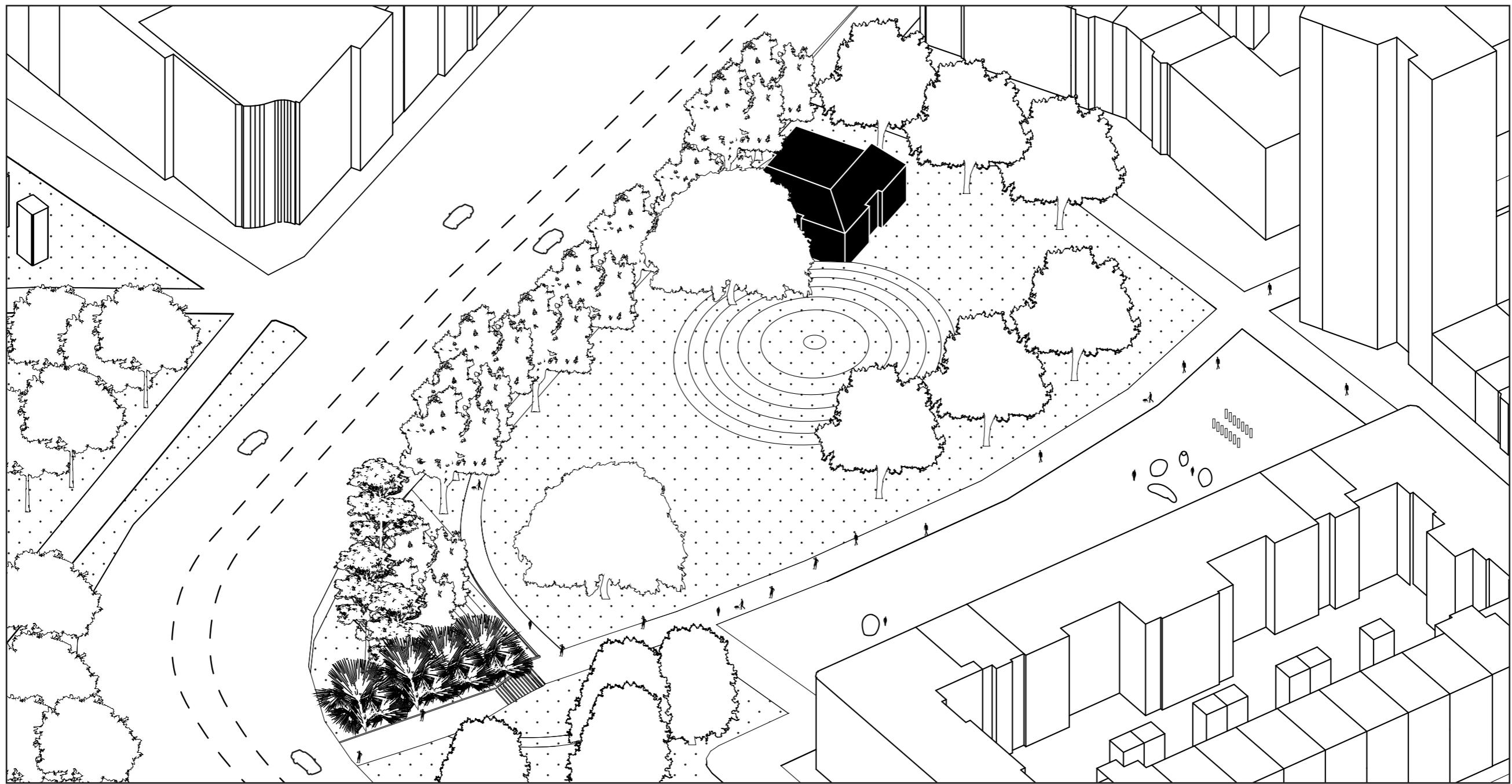
Nature



Housing



Amenity



Current overview: A green field and an empty square with few people and activities, an isolated teenager community center



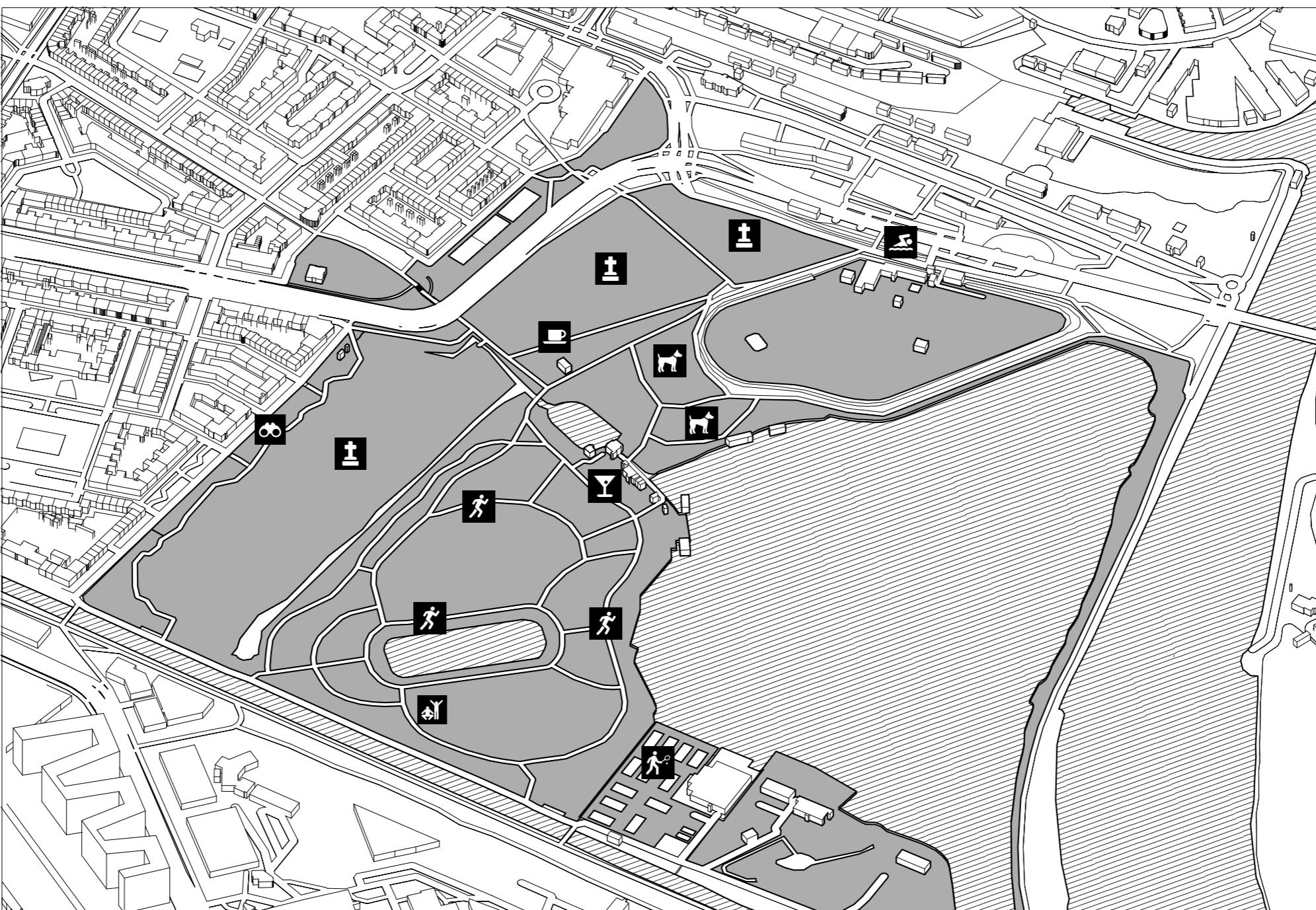
The green field



The open square field



Existing community center



Dynamic Flevopark



Running



Rowing



Yoga/Dancing



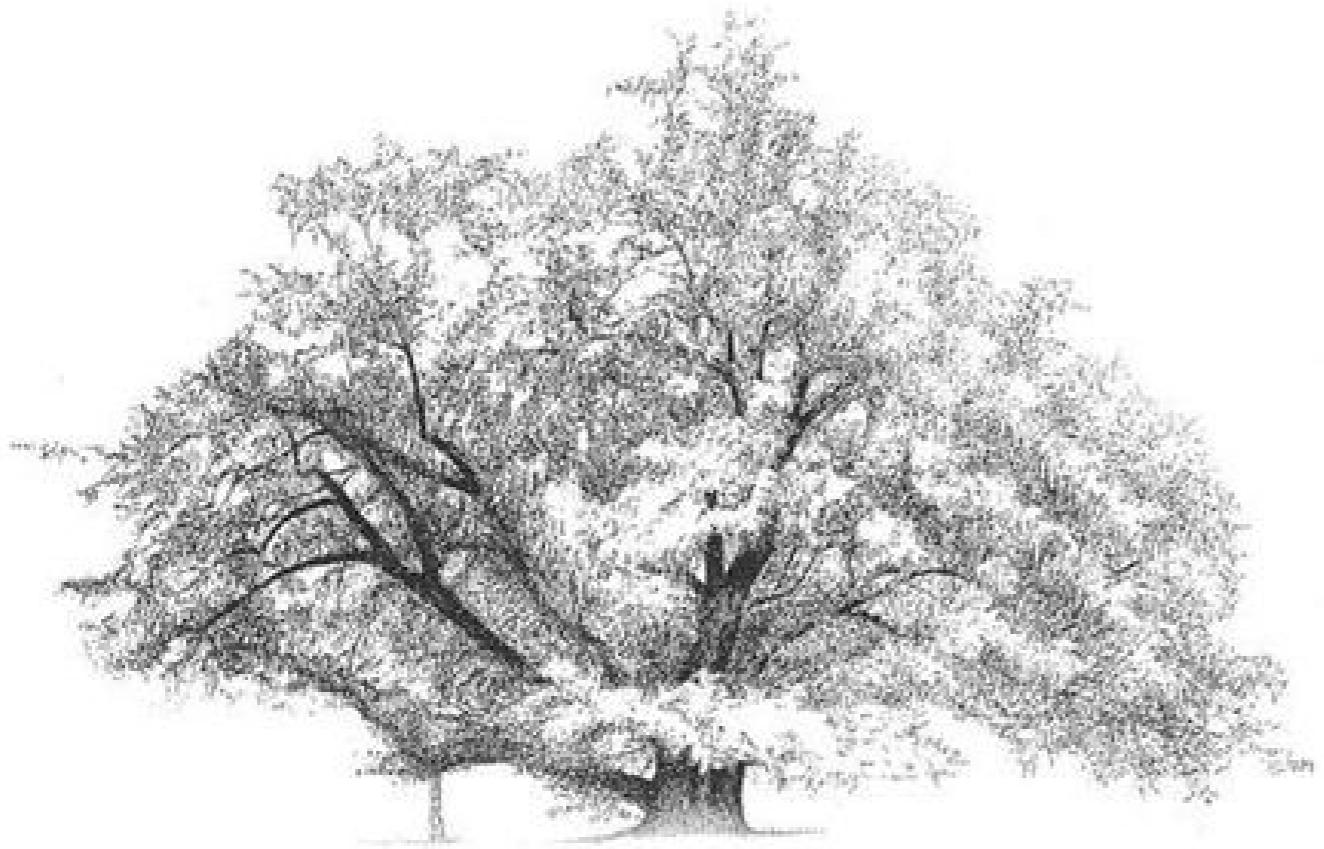
Bask/Meditation



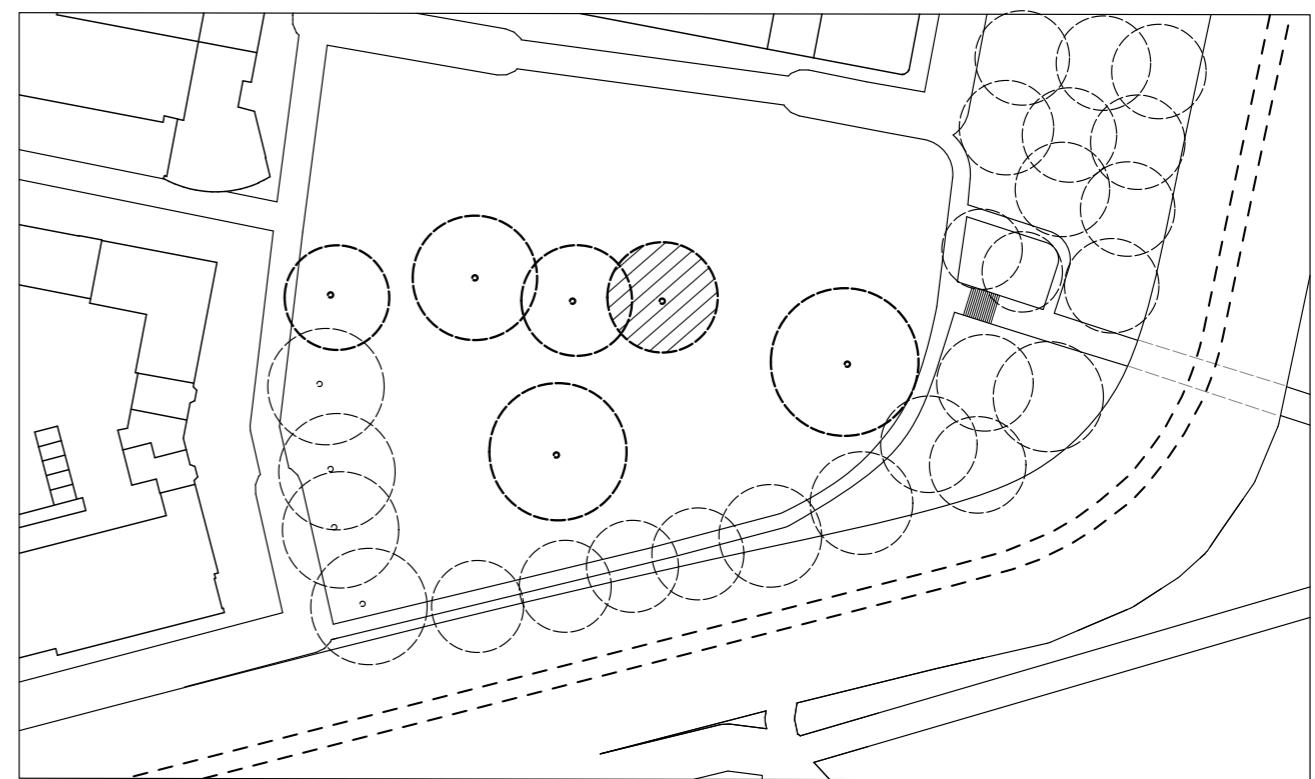
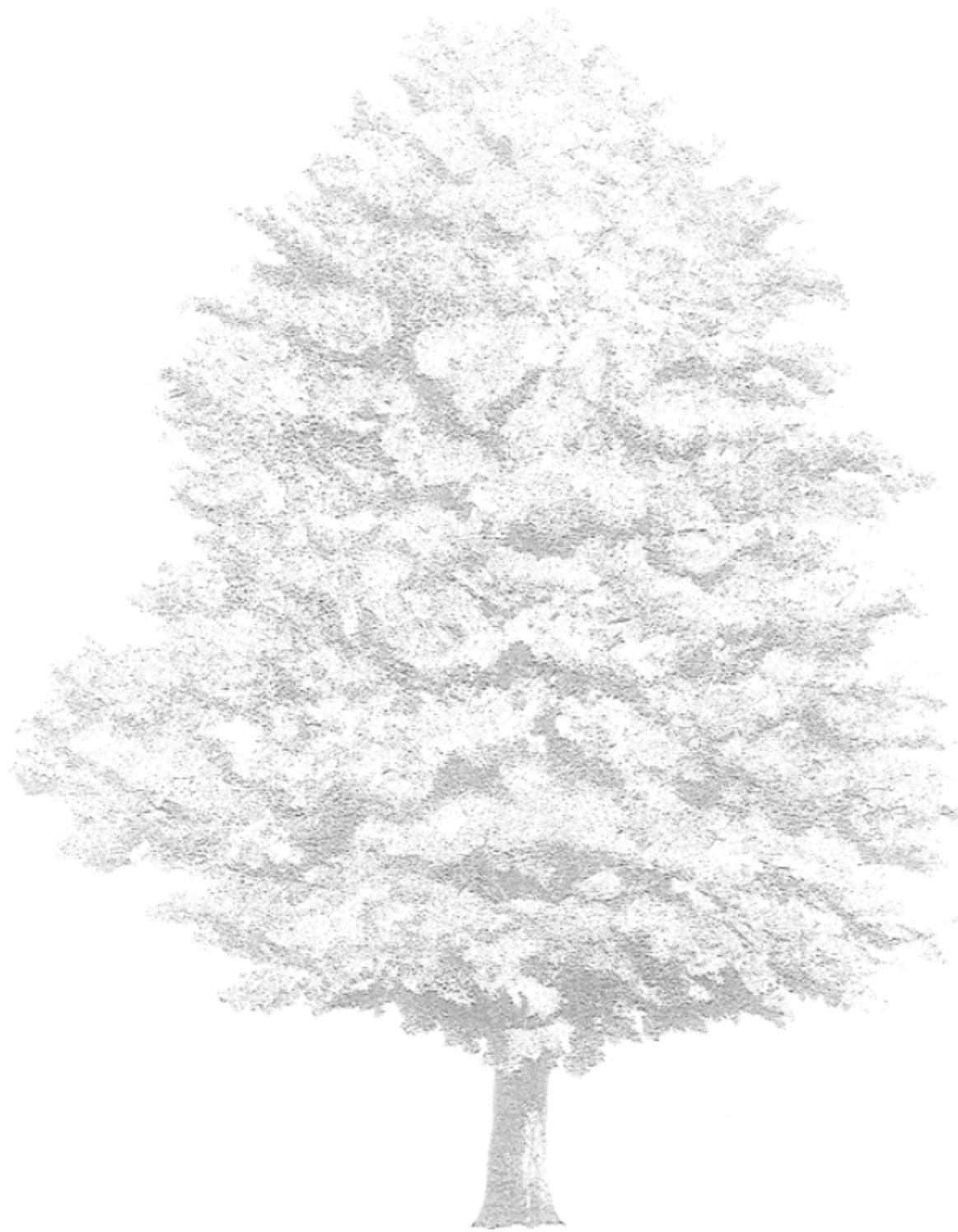
Picnic



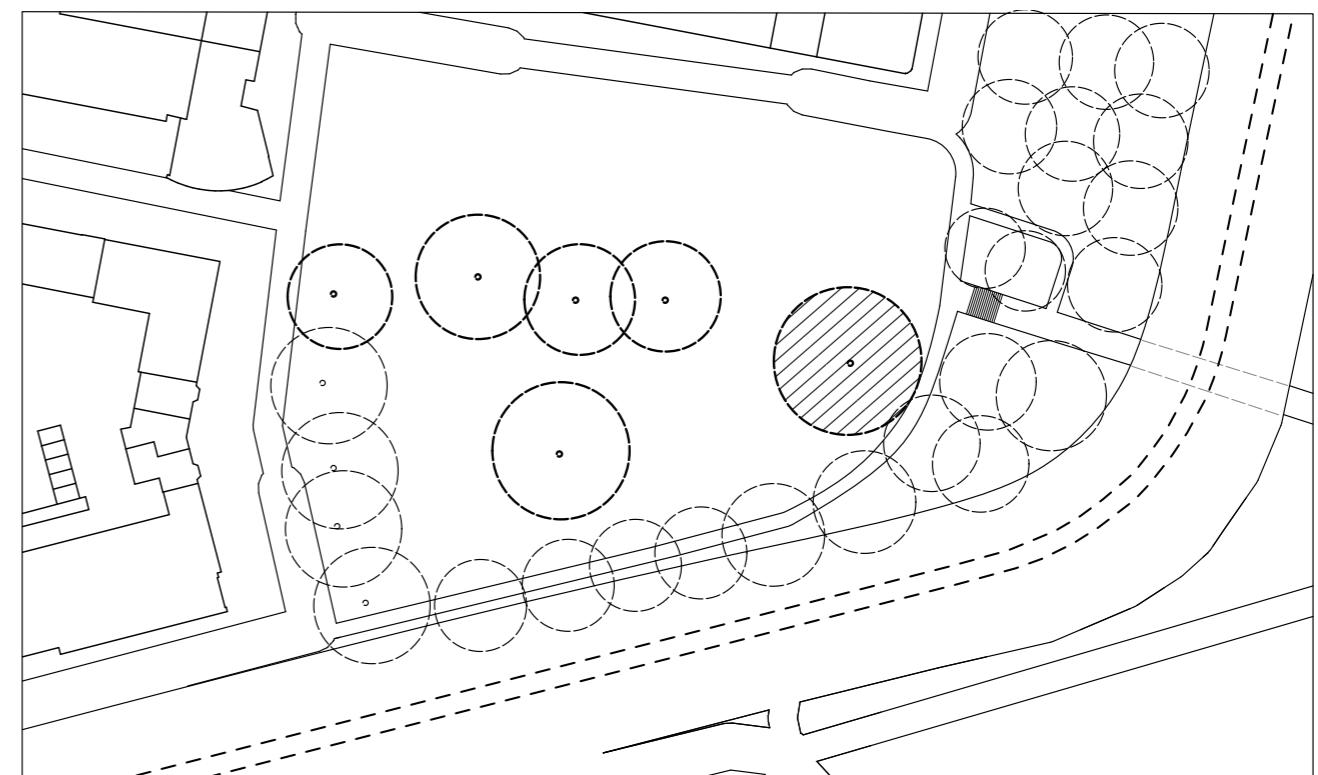
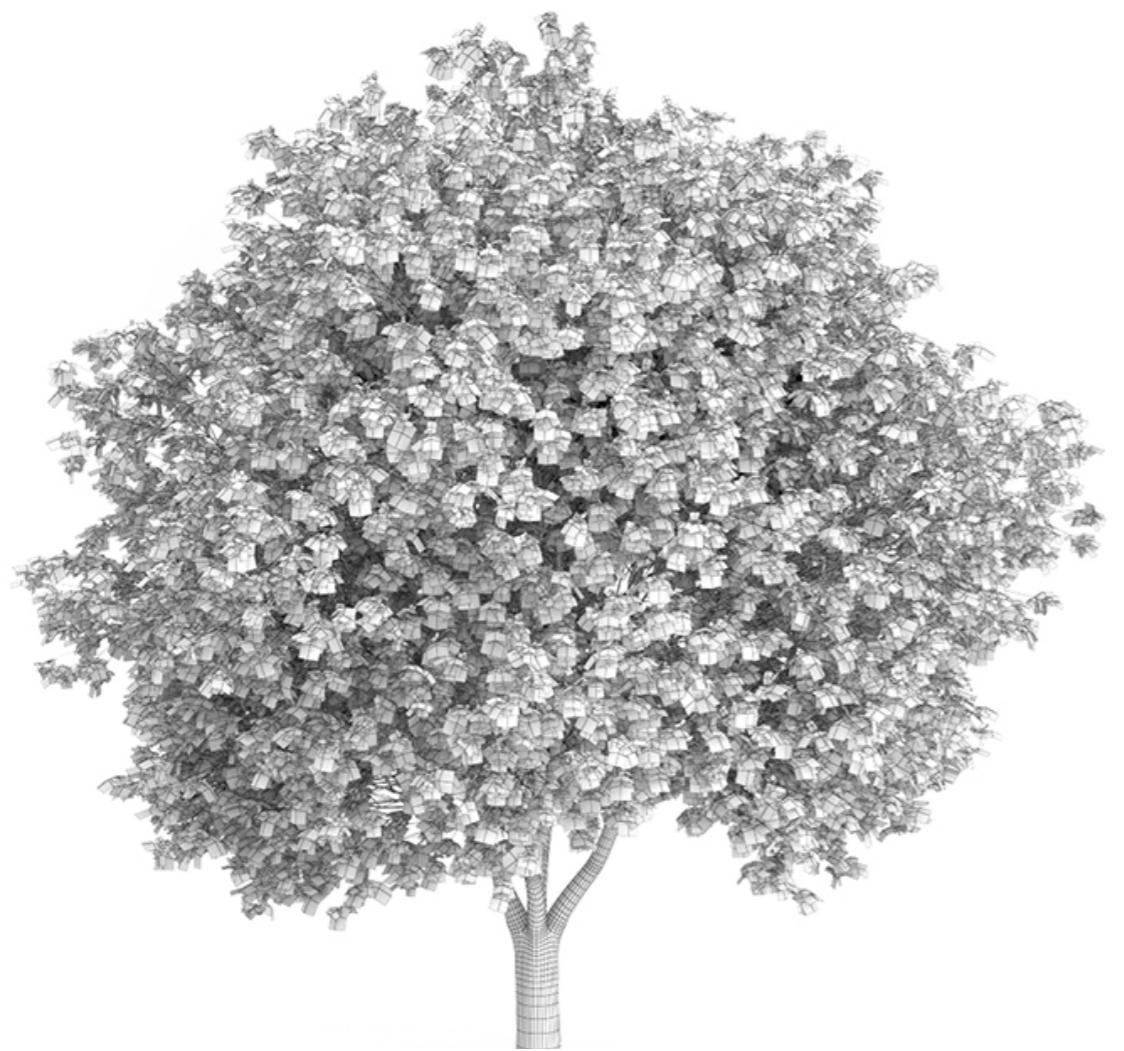
Swimming



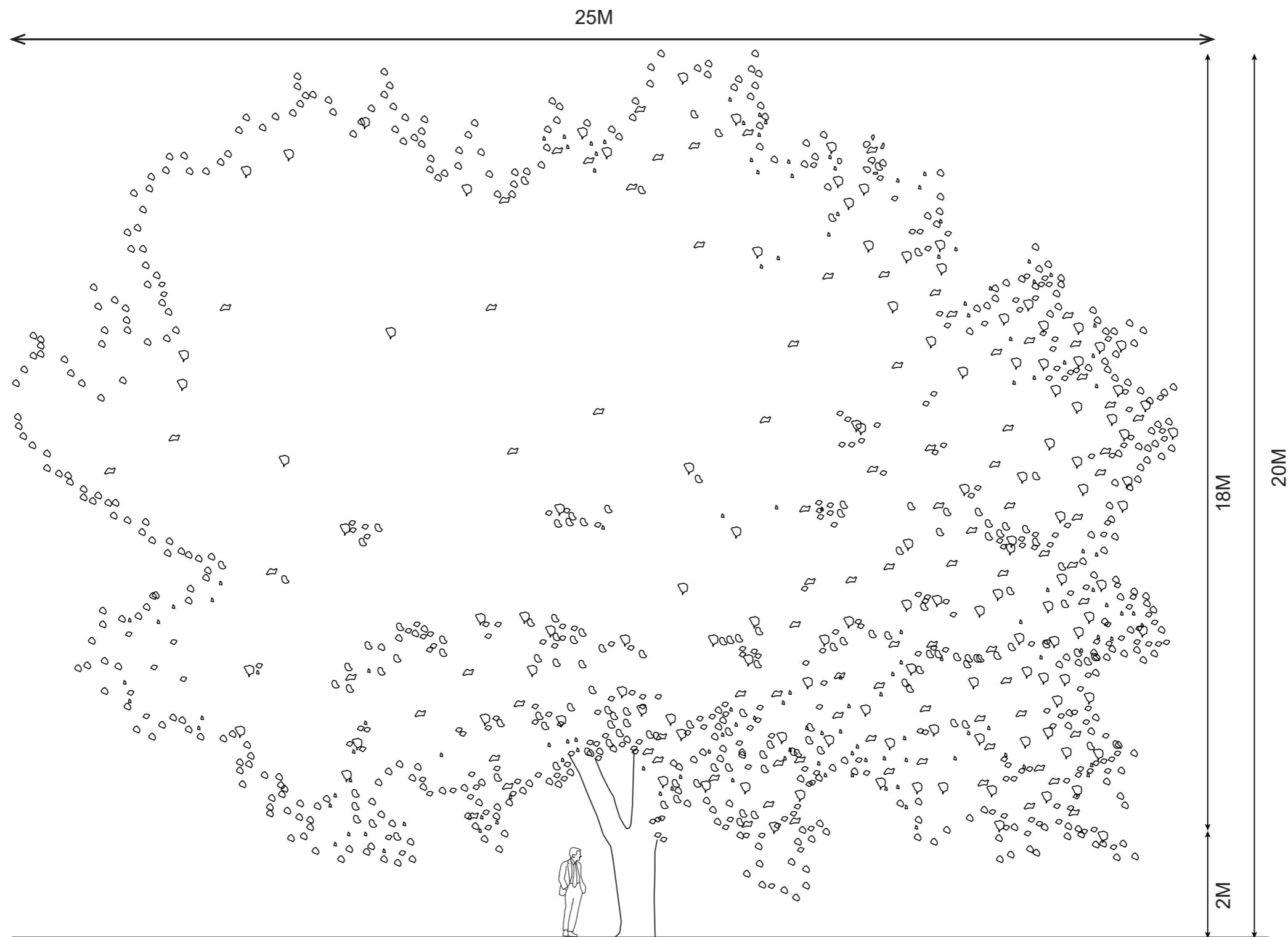
Pterocarya fraxinifolia-1975



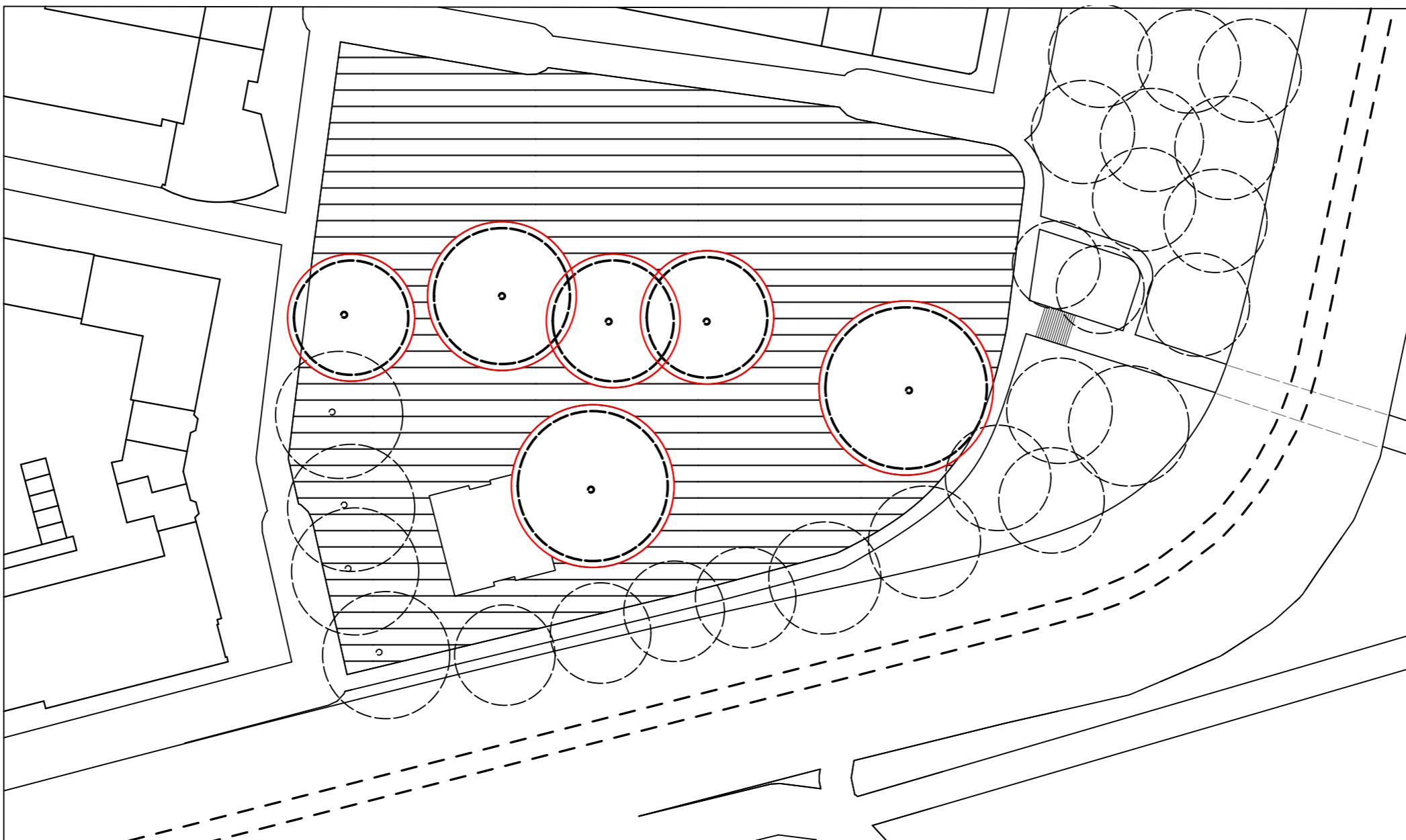
Tilia americana(Basswood)-1981



Platanus hispanica-1945



Trees dimensions



Trees protection area and available space

2. Implementation

Inorder to prompt social relationship between different groups, intimate, approriate scale activities for social interaction between different groups of people will be offered. Open and light structures will be proper to attract people and embrace environment.



The dance hall(multi-funtonal)



Kitchen



Music recording studio



DJ studio

Inside of existing Jav~Art



40-50 elderly people dancing



Cooked at home: for 10 people



Salon for 10-20 people



Hook in: crochet&chair piping
for 5-10 people



Zeeburg Sing for 20 people

Organizations for various activities

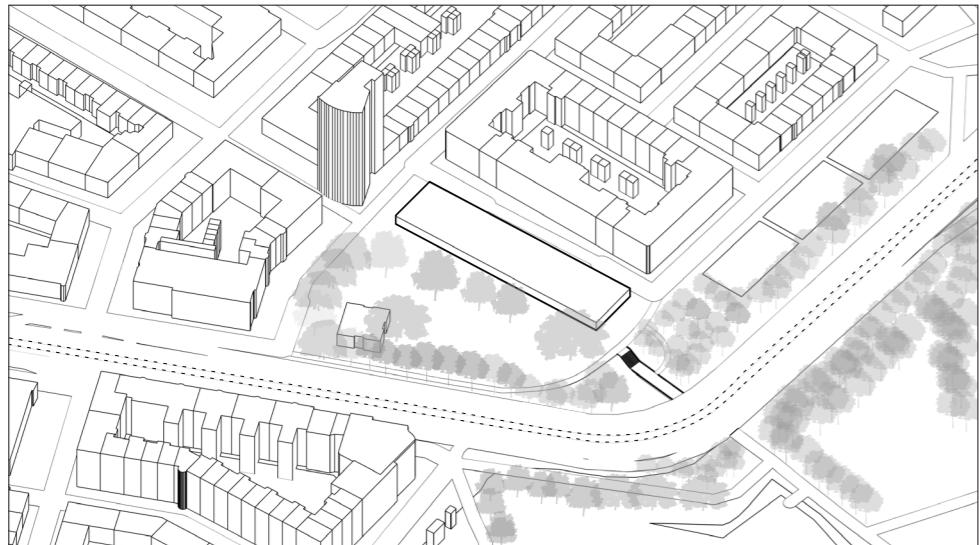


Large group activities

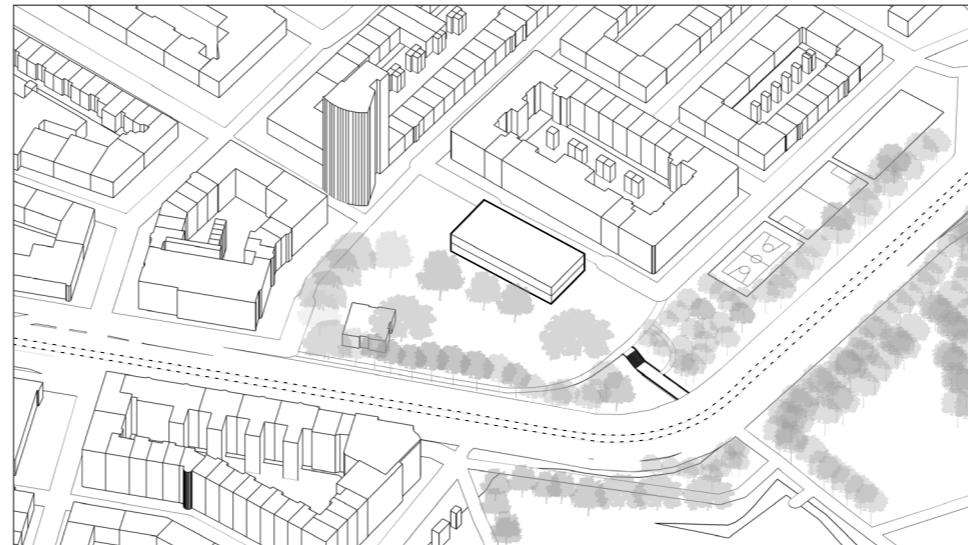


Small group activities

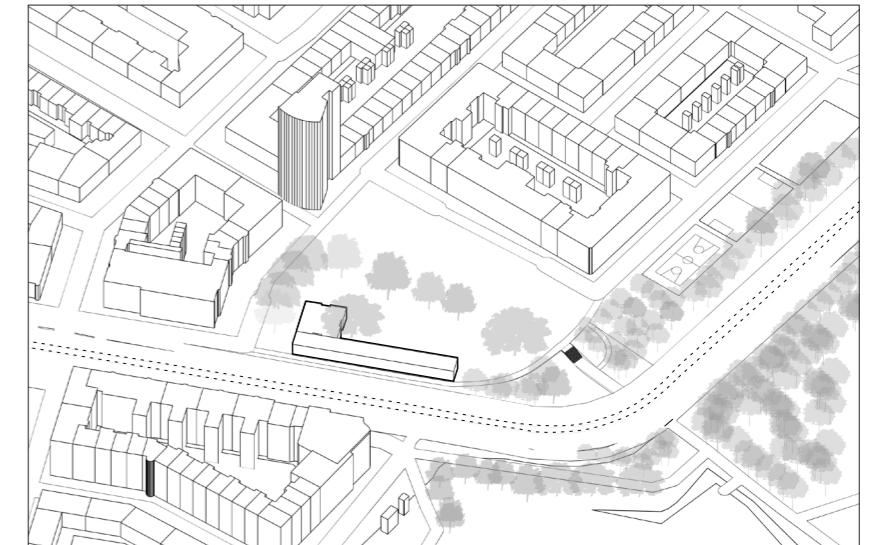
Different scale and types of activities



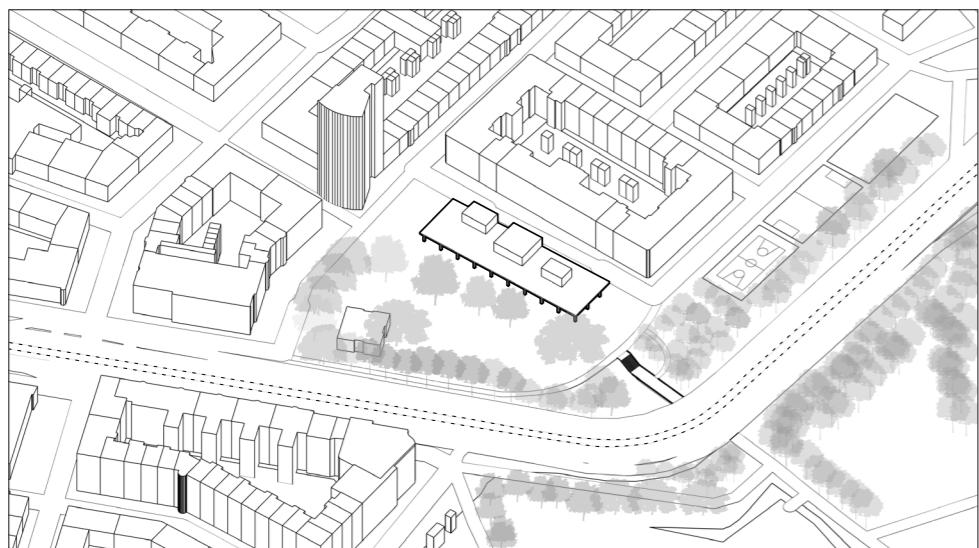
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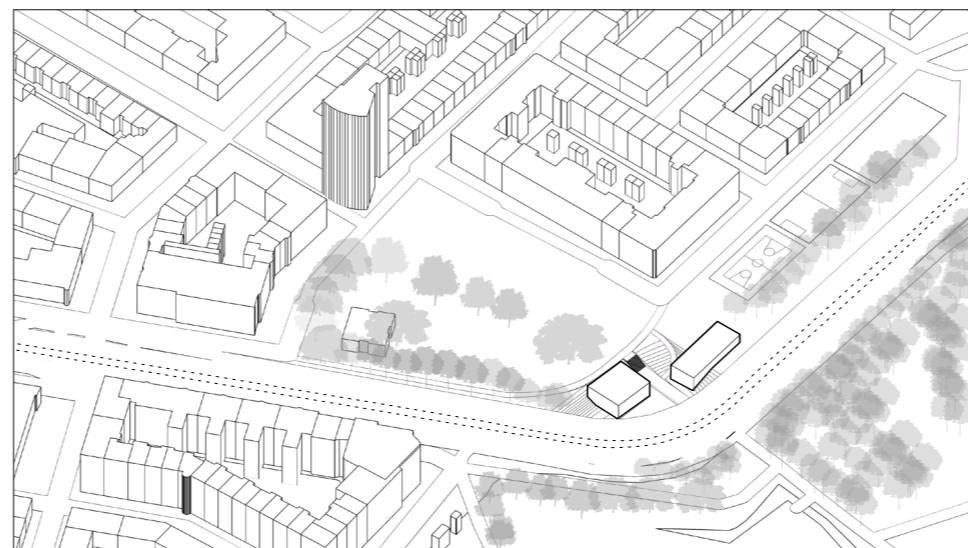
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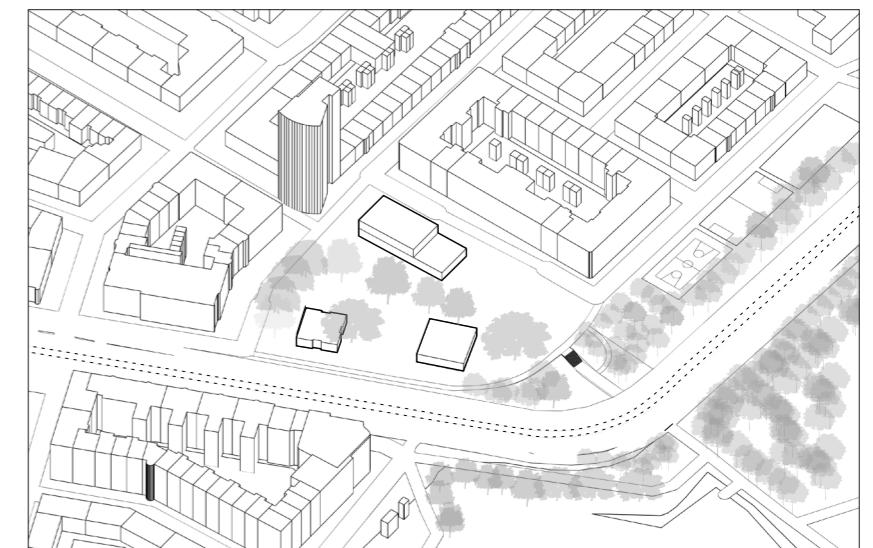
3



4



5



6

Volume test

Programme and scale definition

Outdoor

Make full use of the existing garden and square to provide a multi-functional space for residents. In order to be part of the Flevopark, a small park can be defined for the site in front of the giant urban park.

Indoor(one volume accomodate one type)

1. Teenager community center

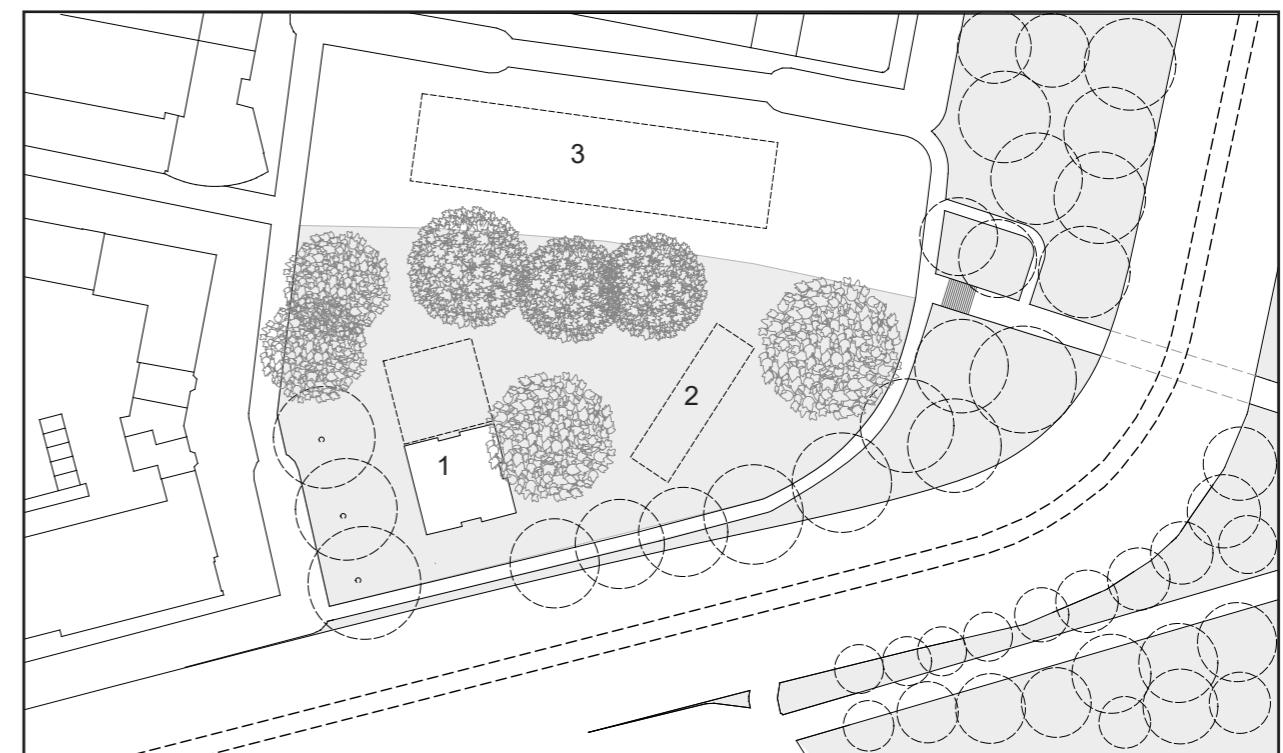
More teenager and children activities room and studios for nearby schools(Integrate with existing teenager community center-Jav~art);Studios for organizations responsible for organizing various activities for all groups of people;

2. Coffee/bar

for all playing people on the site and people passing by

3. Activity center

some small scale sport facilities are close to local ordinary life(yoga, gym, kickboxing)



Humble

Open

Less-dominated

Flexible

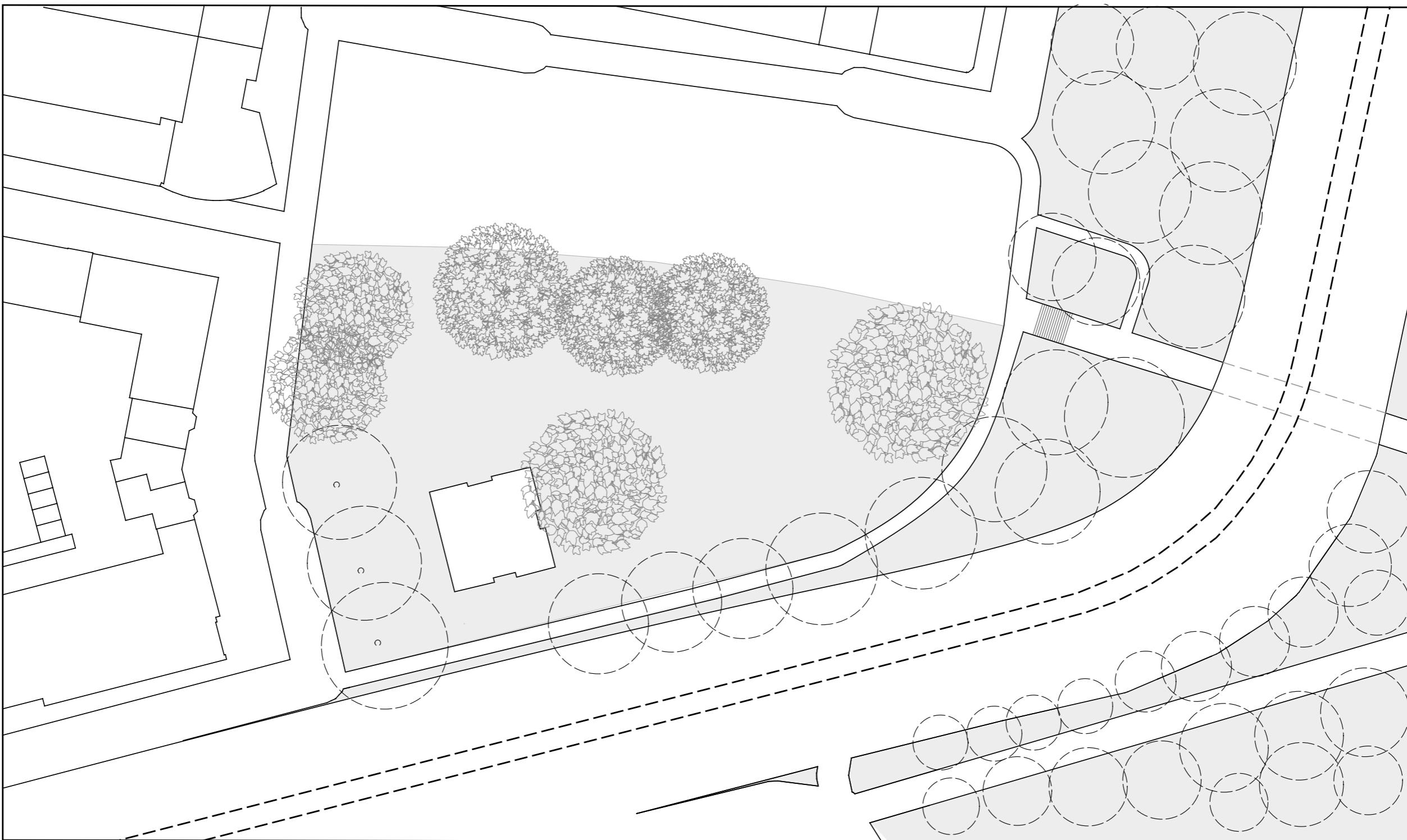
Intimate

Nature friendly

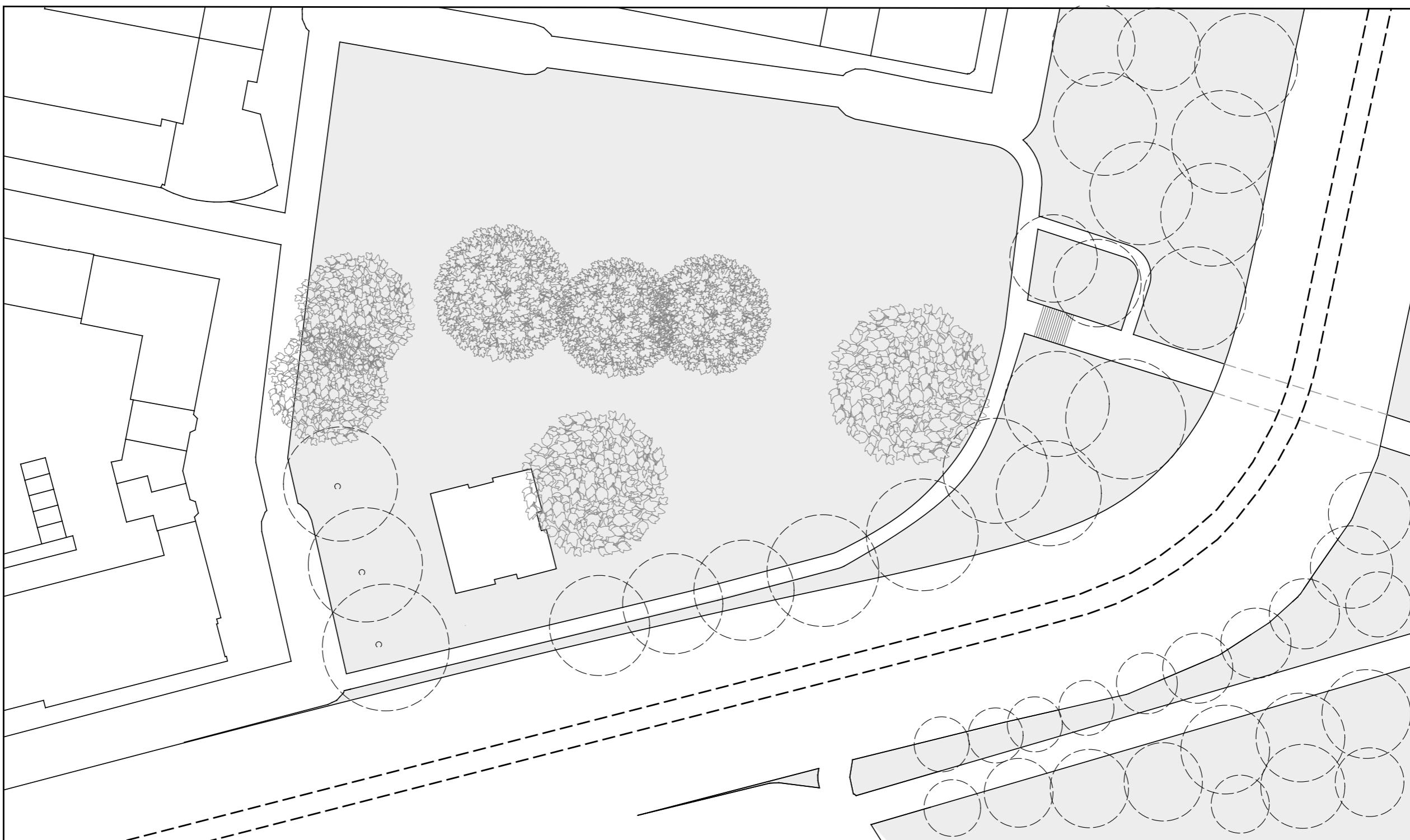
Non-aggressive

Light

Special



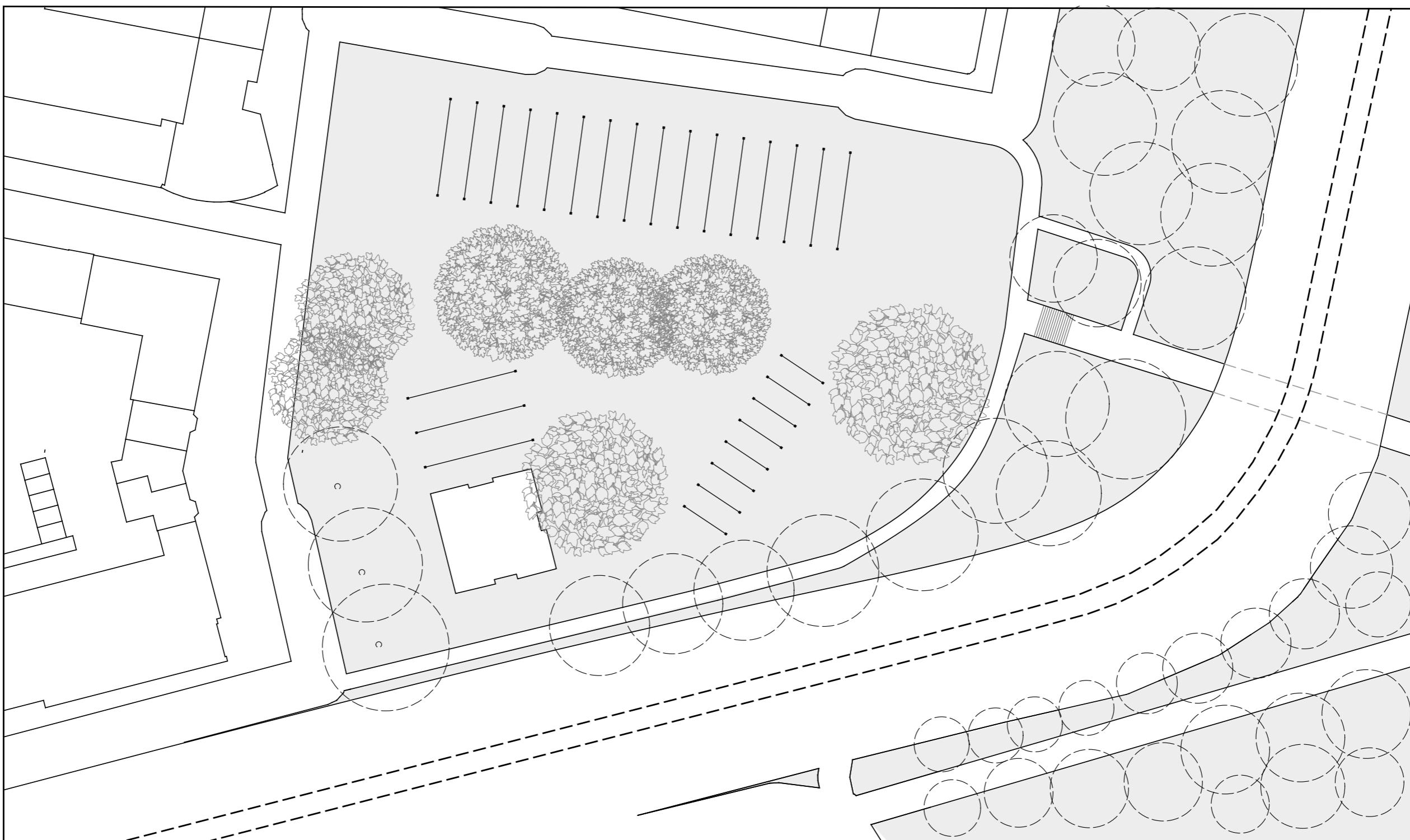
Original site



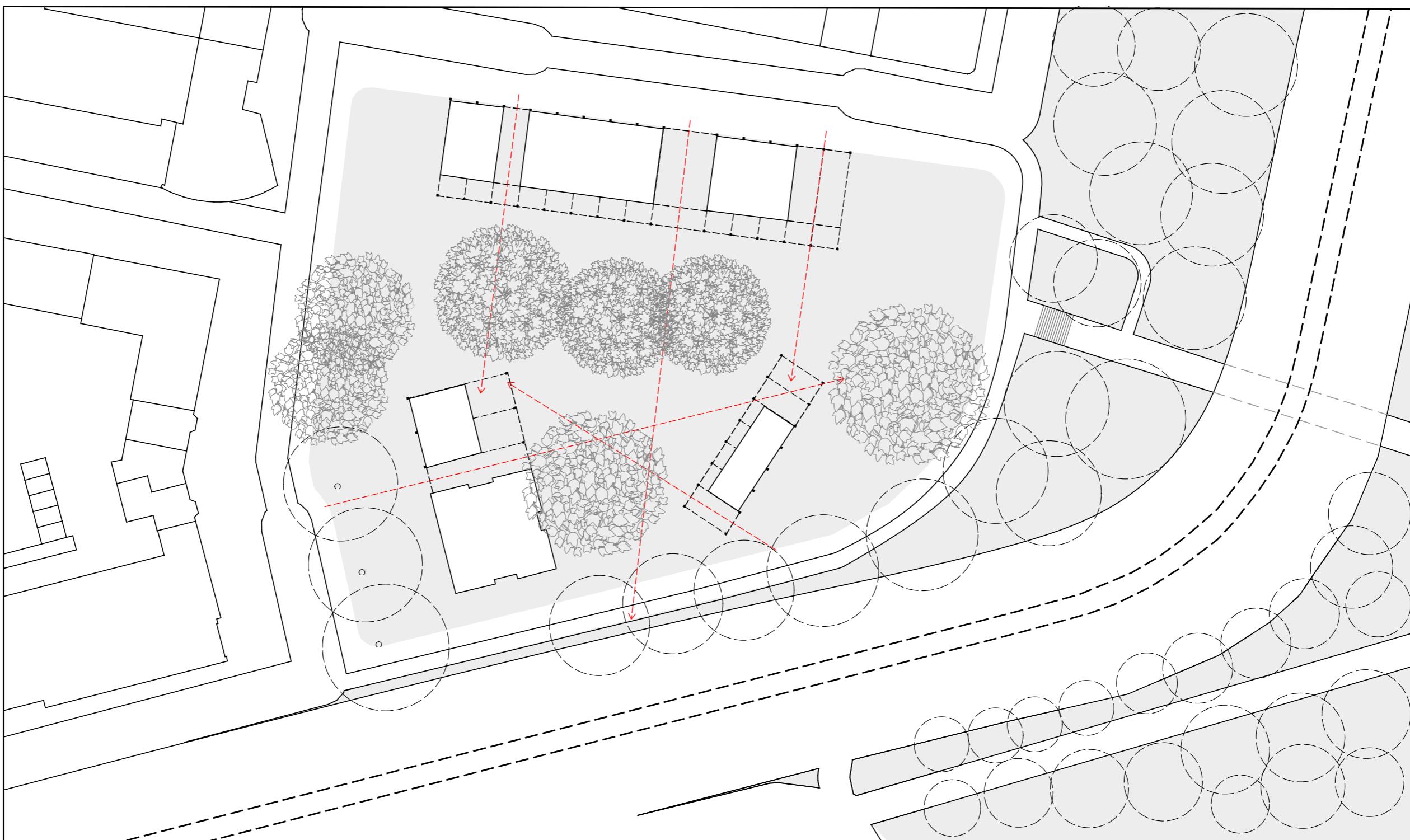
Green extension



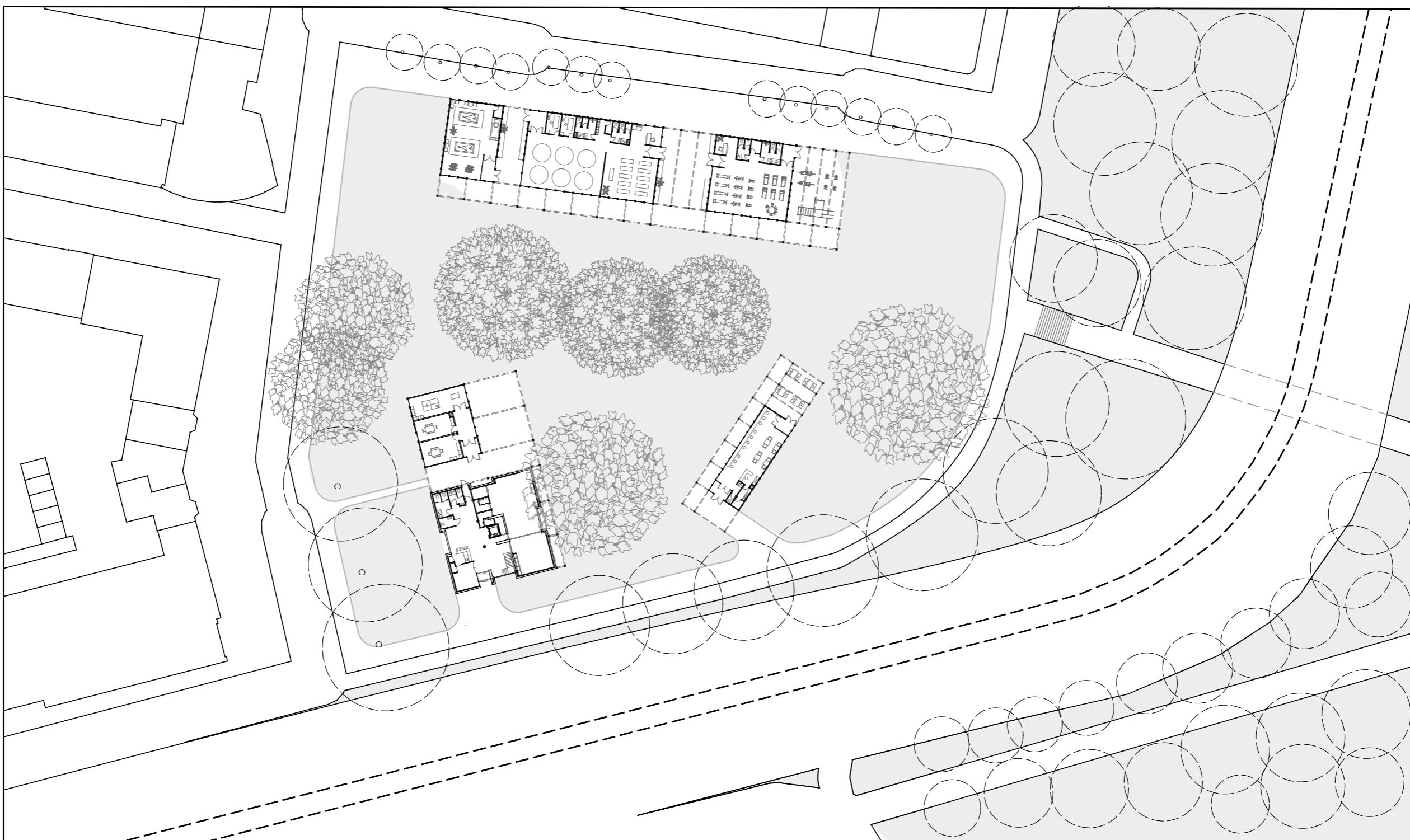
Pergola Architecture



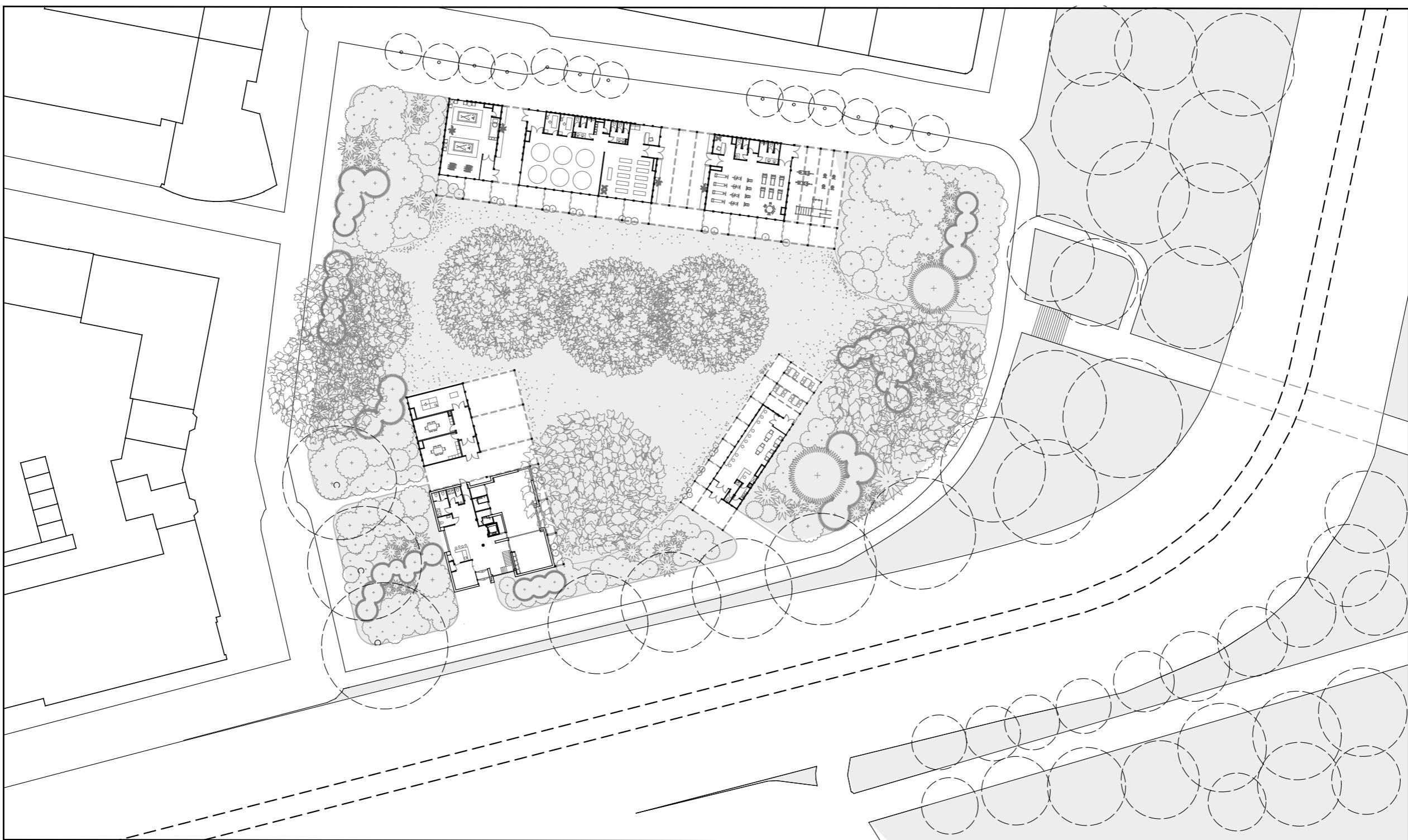
Pergola Architecture



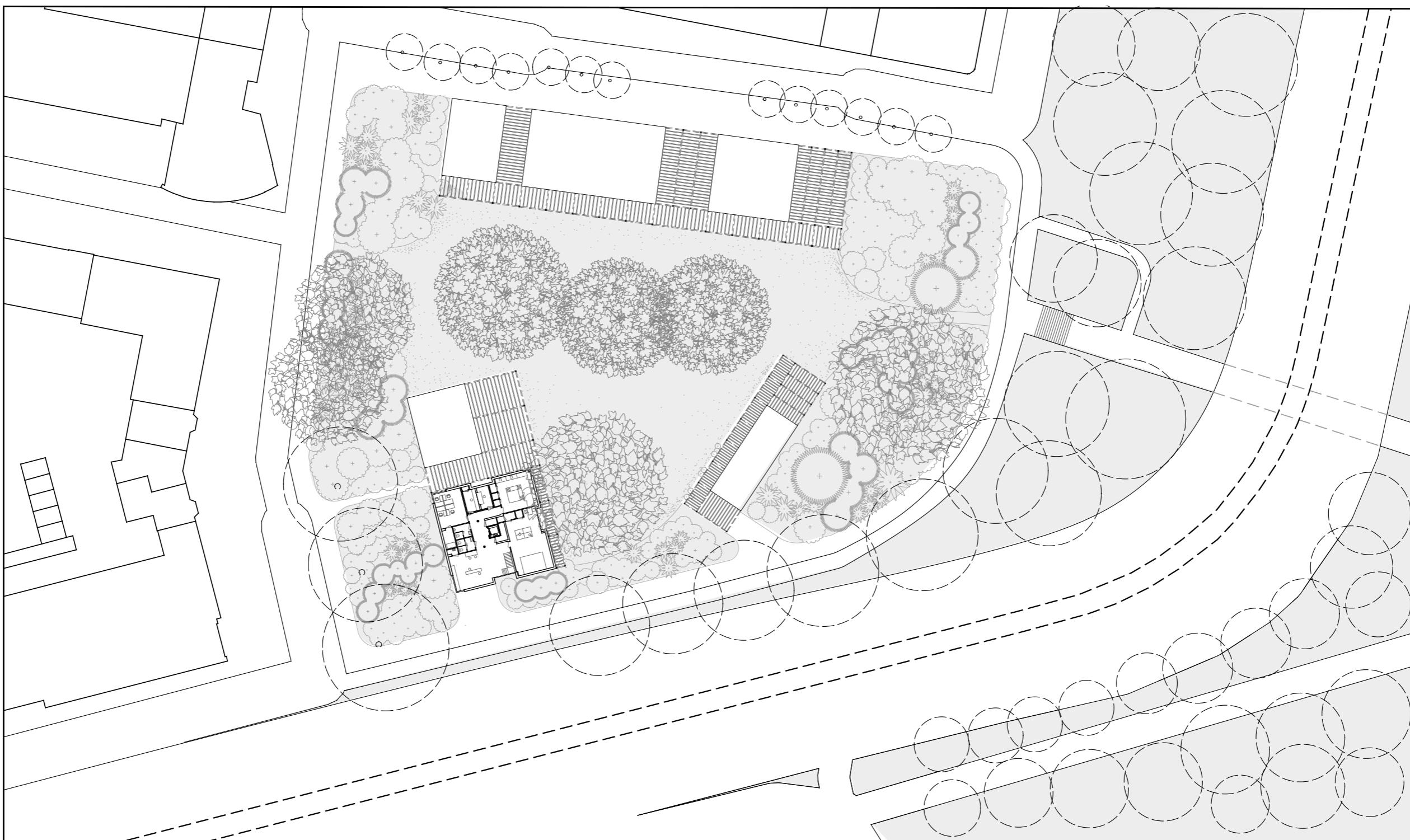
Main path+view connection



Program



GF Floorplan(Landscaping)



1st Floorplan

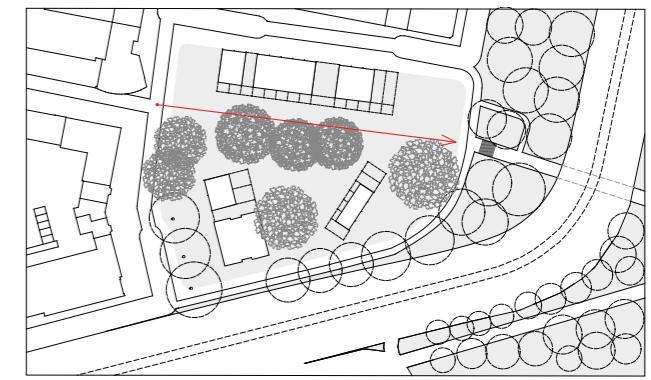


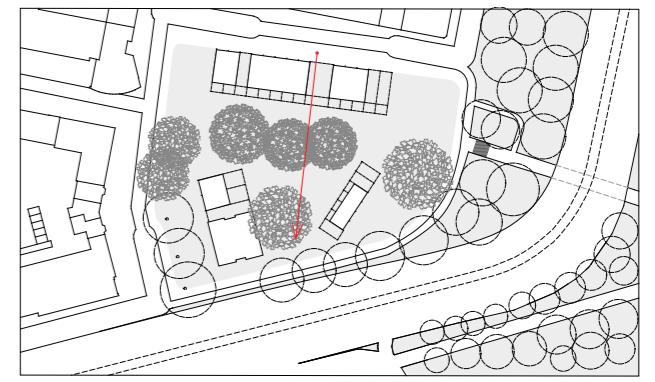
 Entertain room 98M2	 Yoga 98M2	 Coffee bar 88M2	 Existing community center(studios&office&practice) 462M2	 Outdoor activity zone 2500M2
 Boxing&Wrestling 148M2	 Gym 148M2	 Exercise&Meeting 98M2	 Transitional open space 770M2	 Shrub area 2735M2

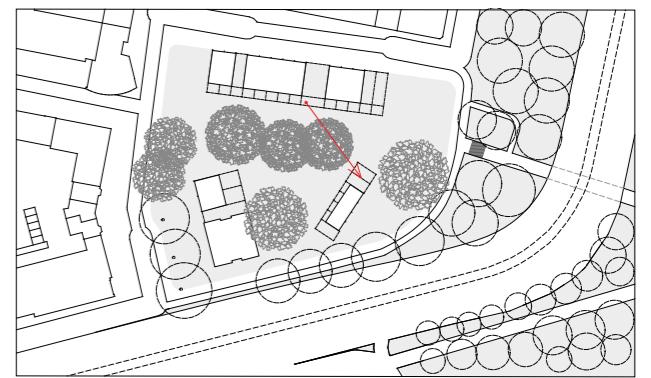
Overall
7145M2

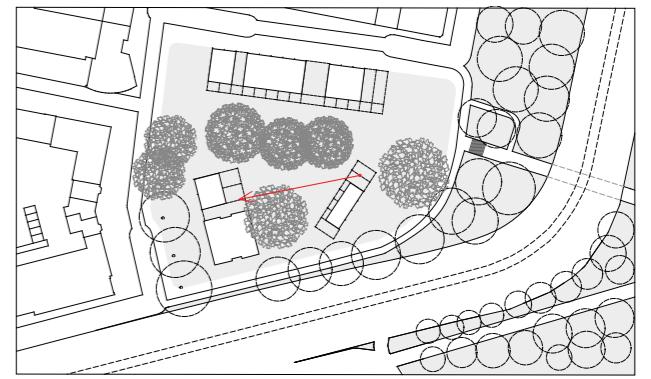
3. Experience

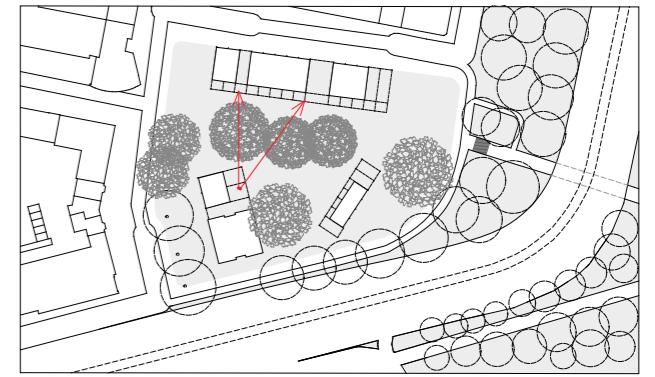
Spatial experience of the site; relationship between architectural volumes and environment; interior experience

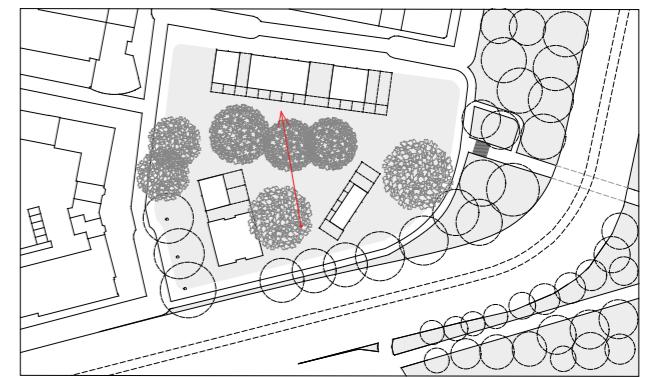


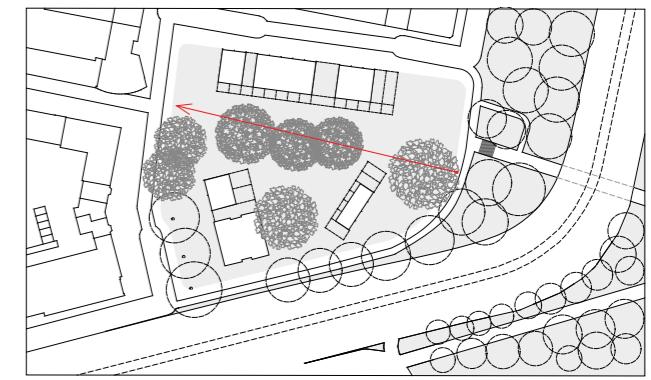












4. Landscape

Exterior garden landscape design; Plants structure; Impression



Grass



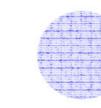
Iris sibirica



Festuca glauca



Sanguisorba



Limonium latifolium



Pycnanthemum muticum



Sporobolus heterolepis



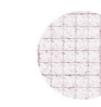
Echinacea purpurea



Amsonia hubrichtii



Pennisetum villosum



Dianthus



Crambe cordifolia



Spring



Summer



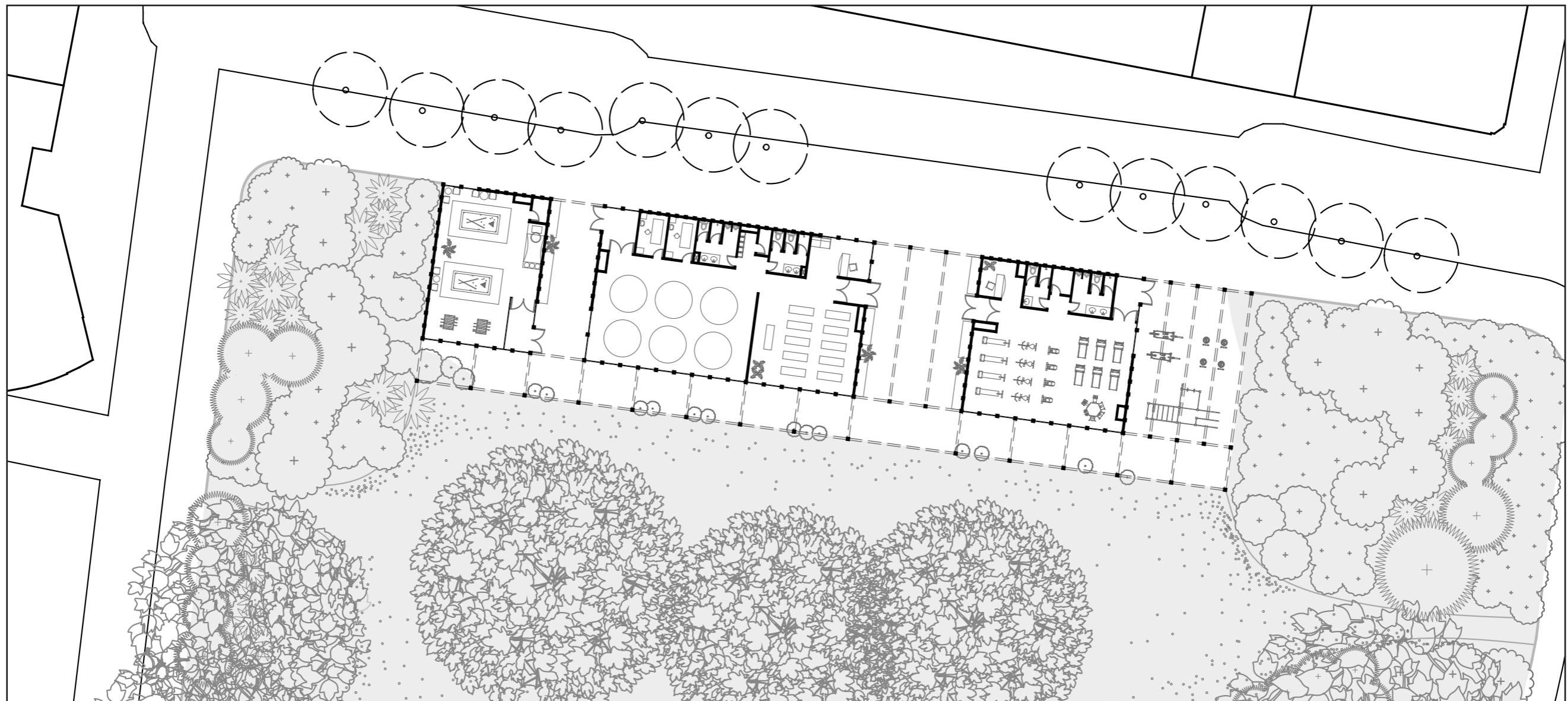
Fall&Early winter



Winter

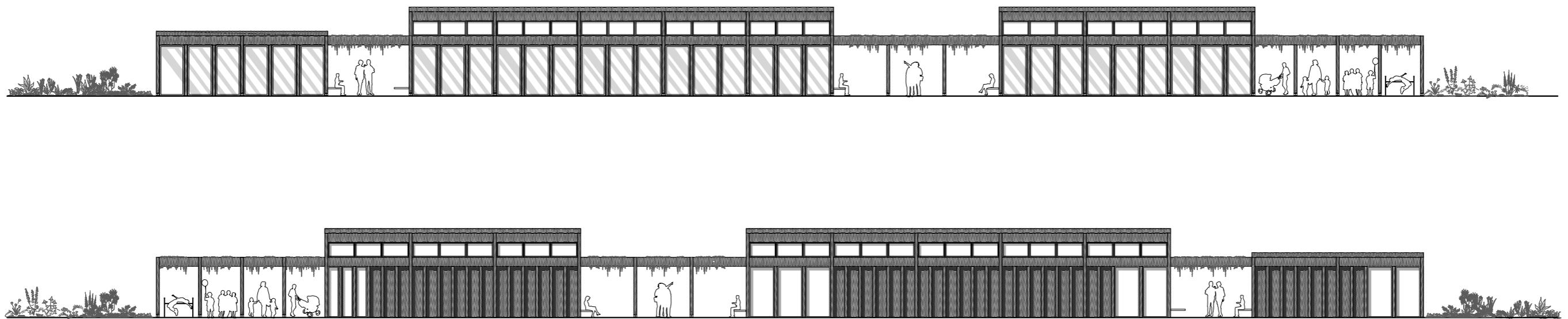
4. Reflection

Architetural inside feelings; materials selection; program; facade design

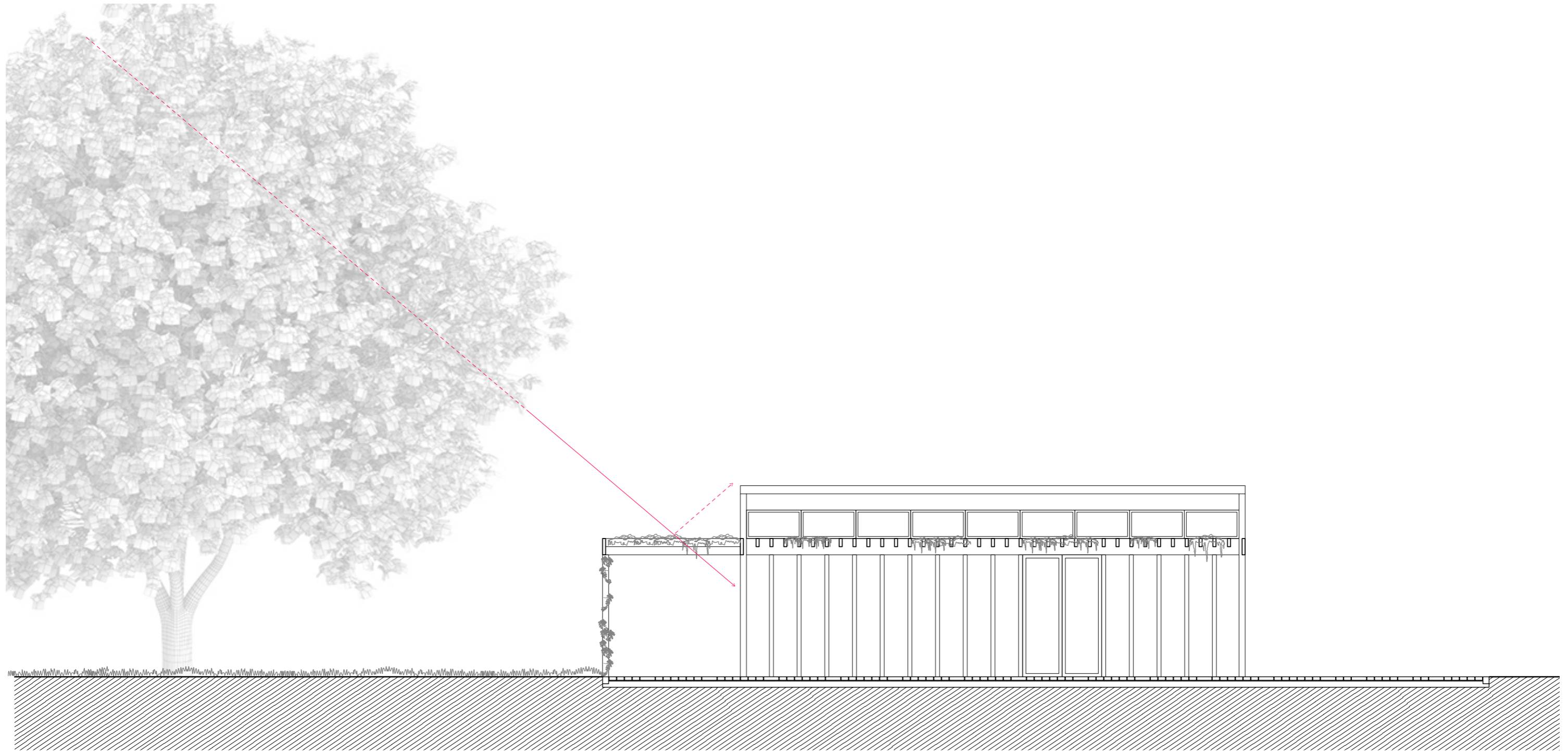


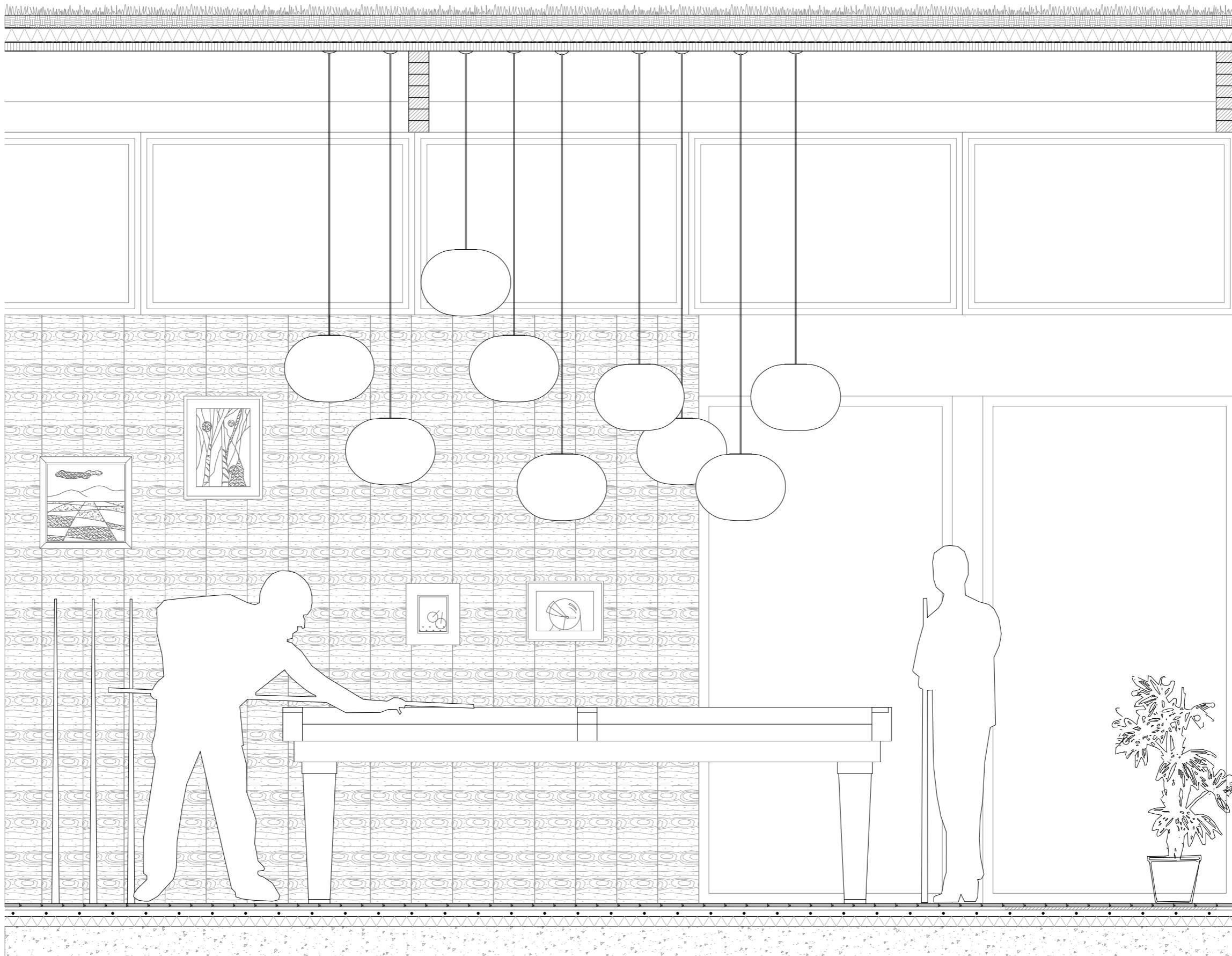
Activity center



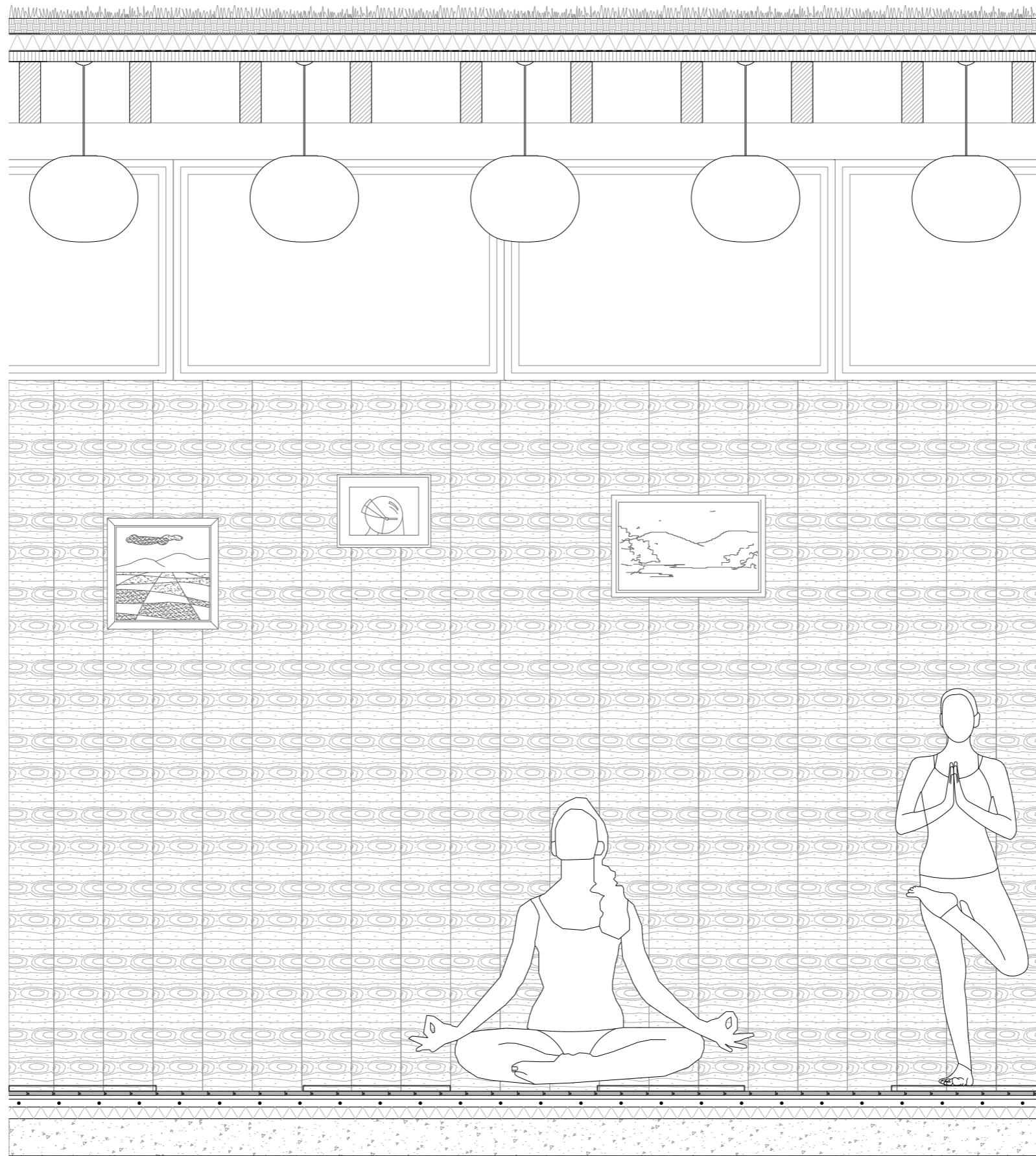


Elevation





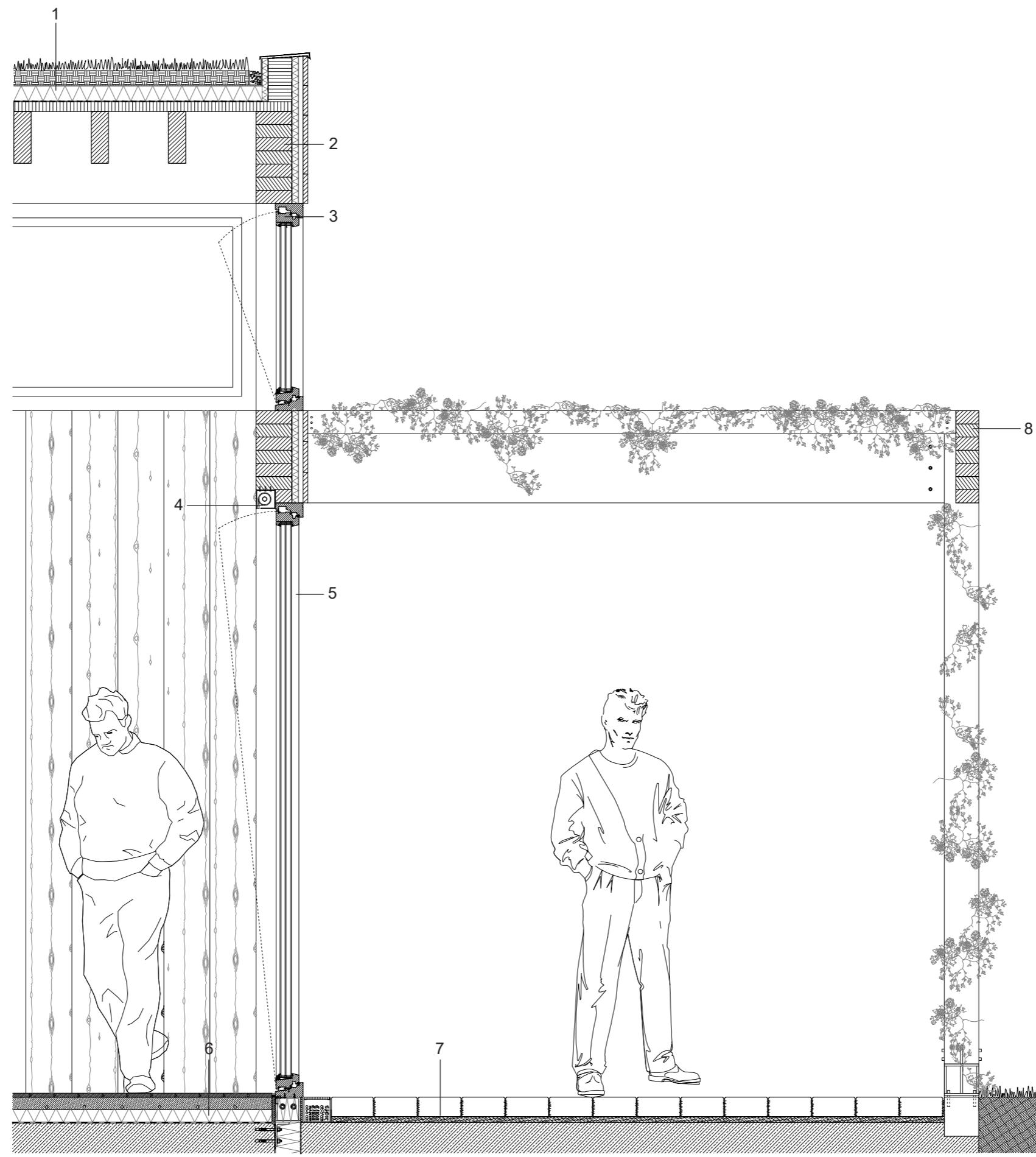
Entertain room

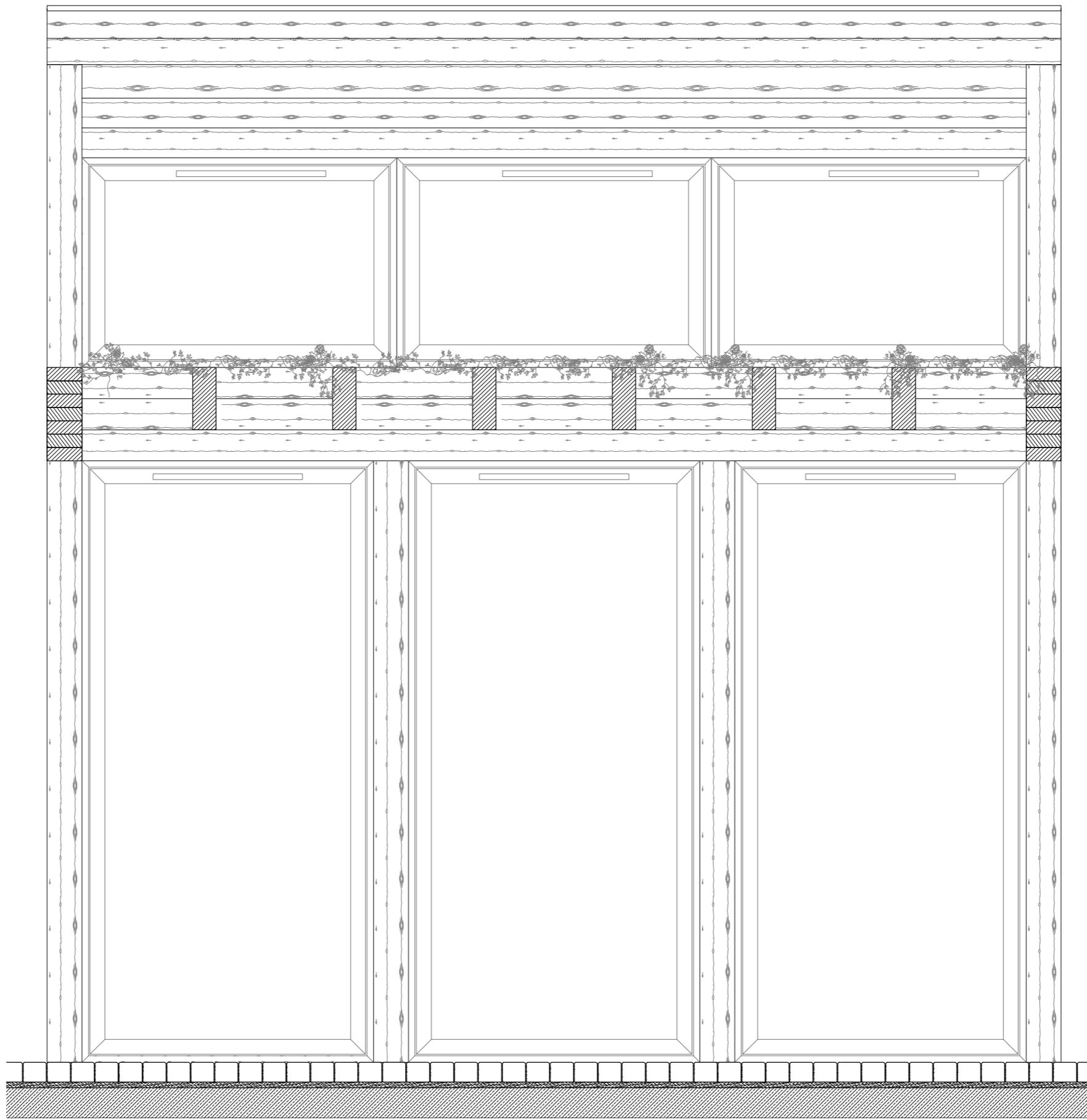


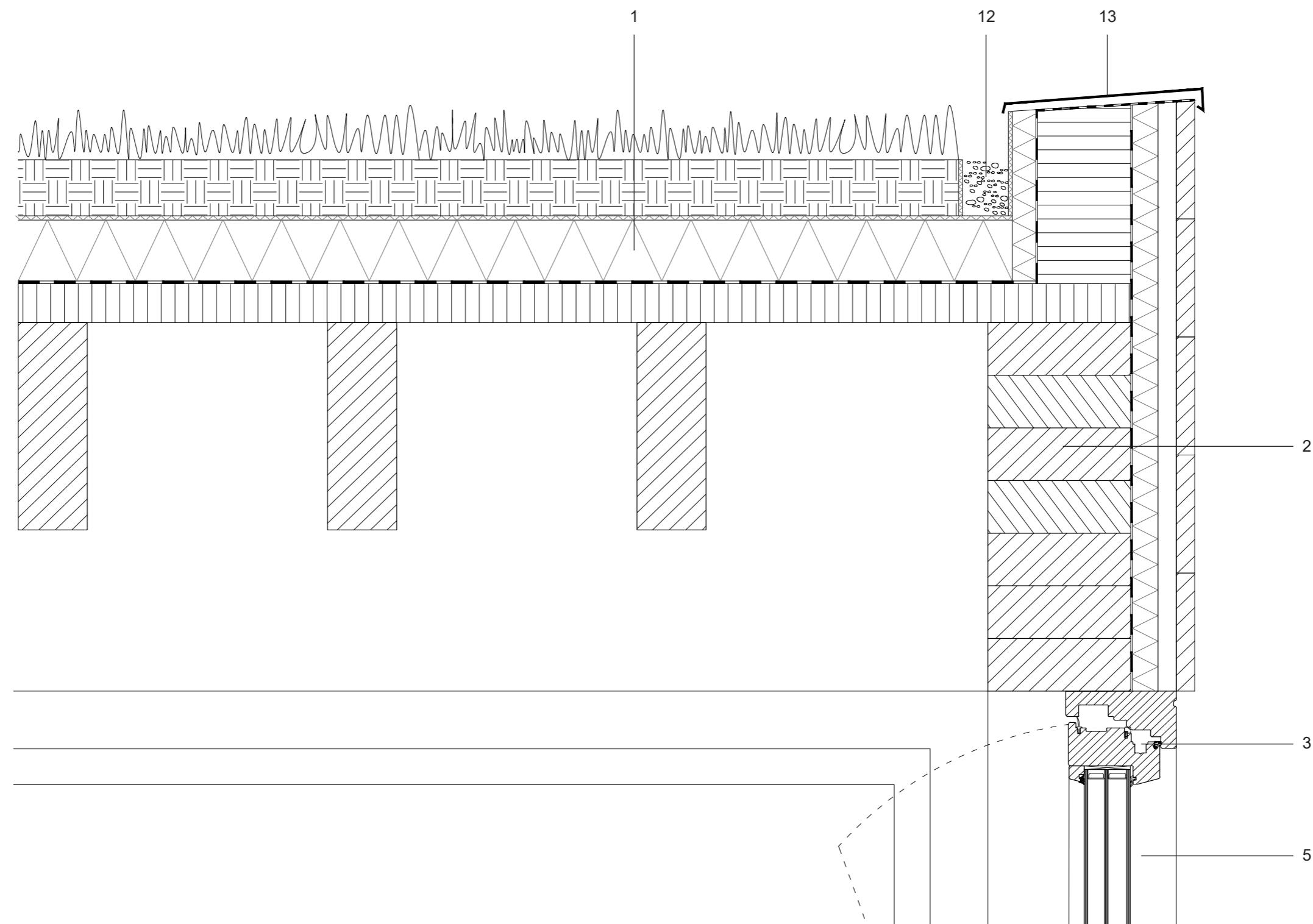
Yoga room

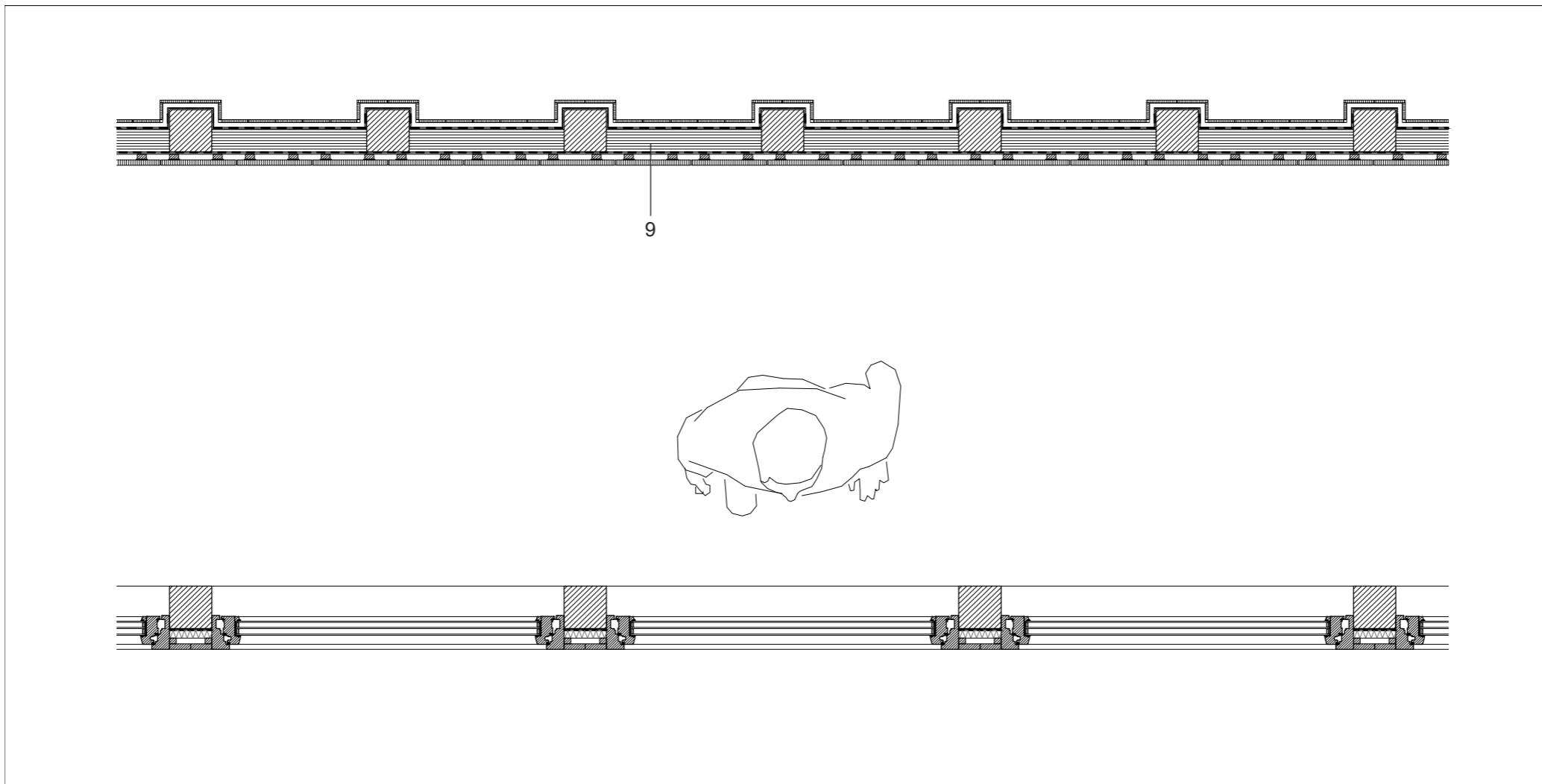


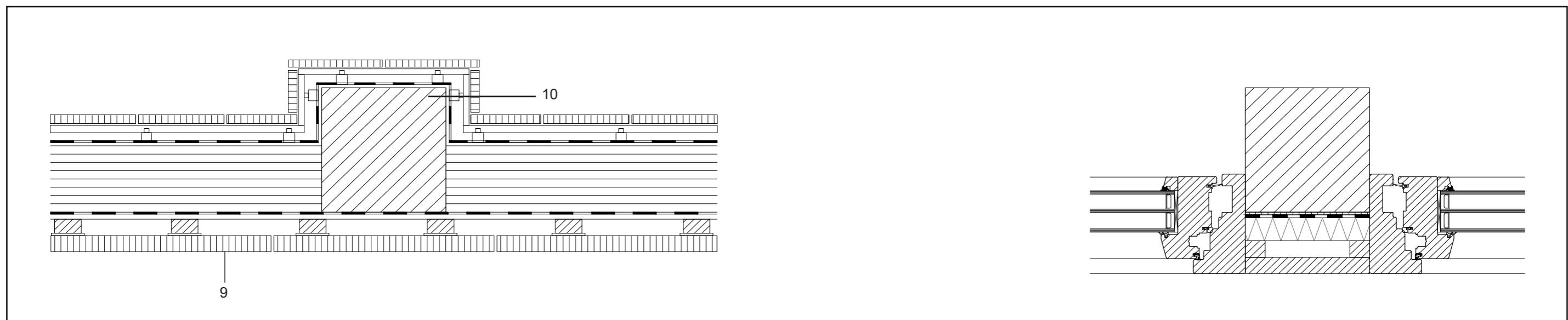
Yoga room

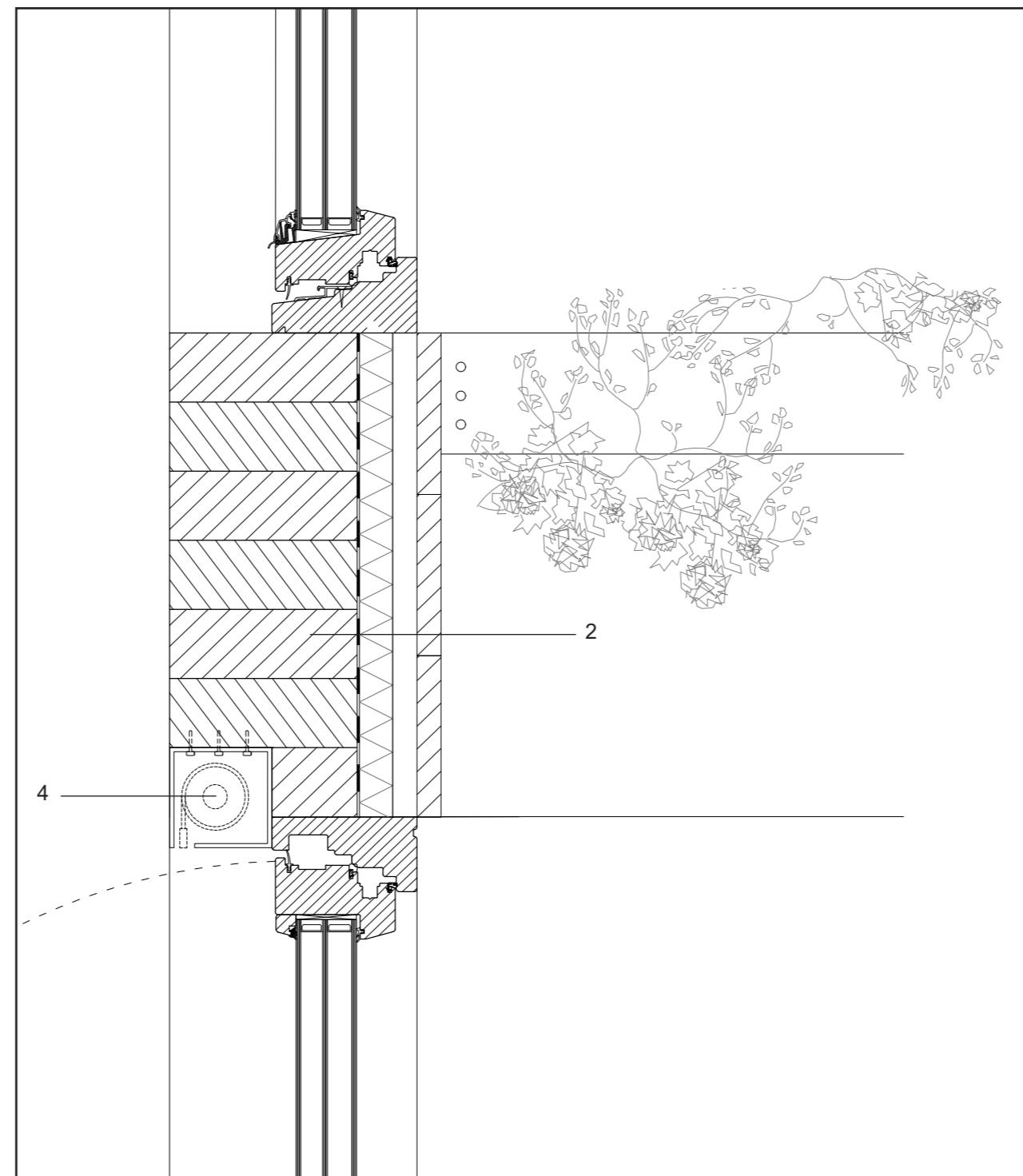


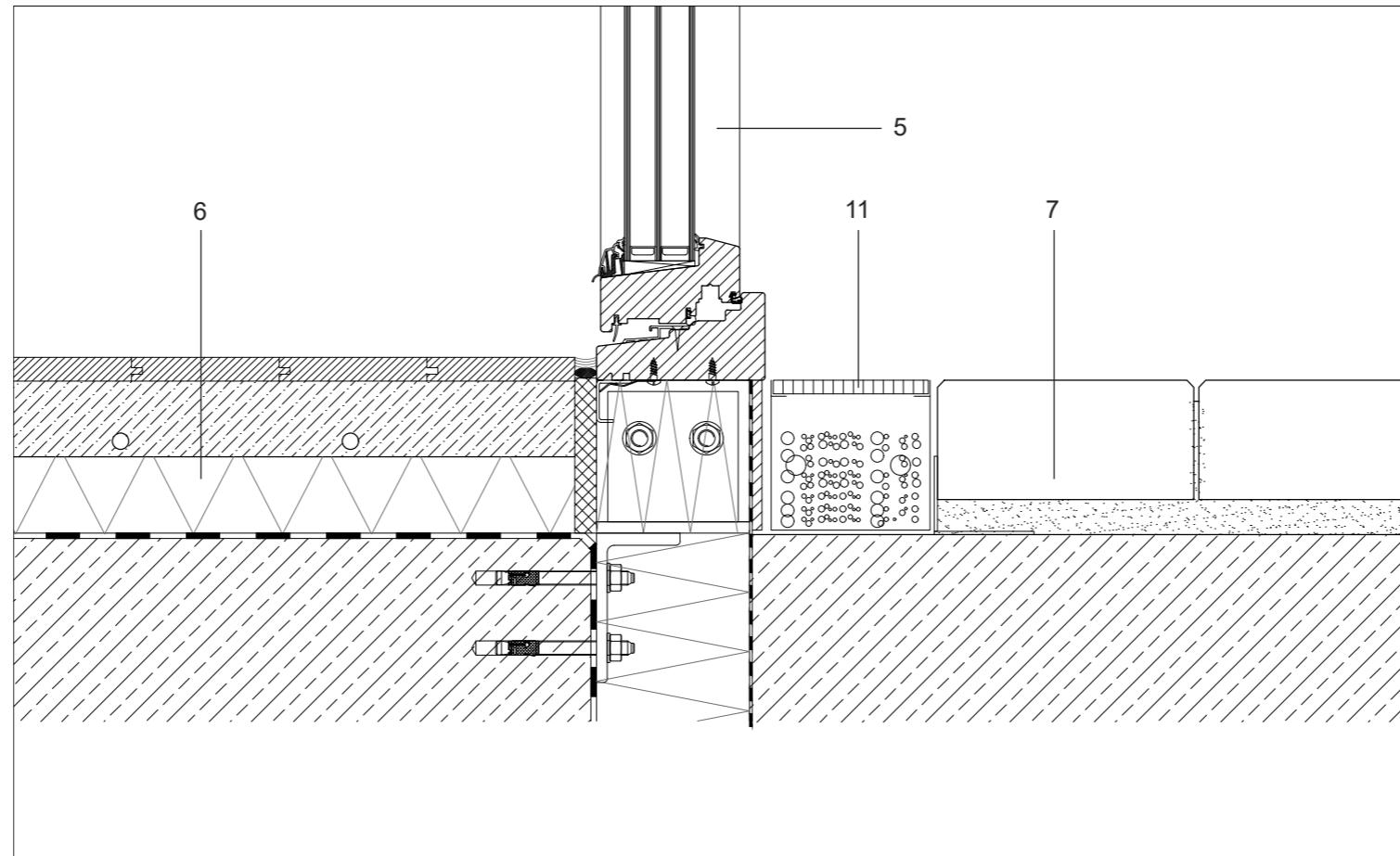








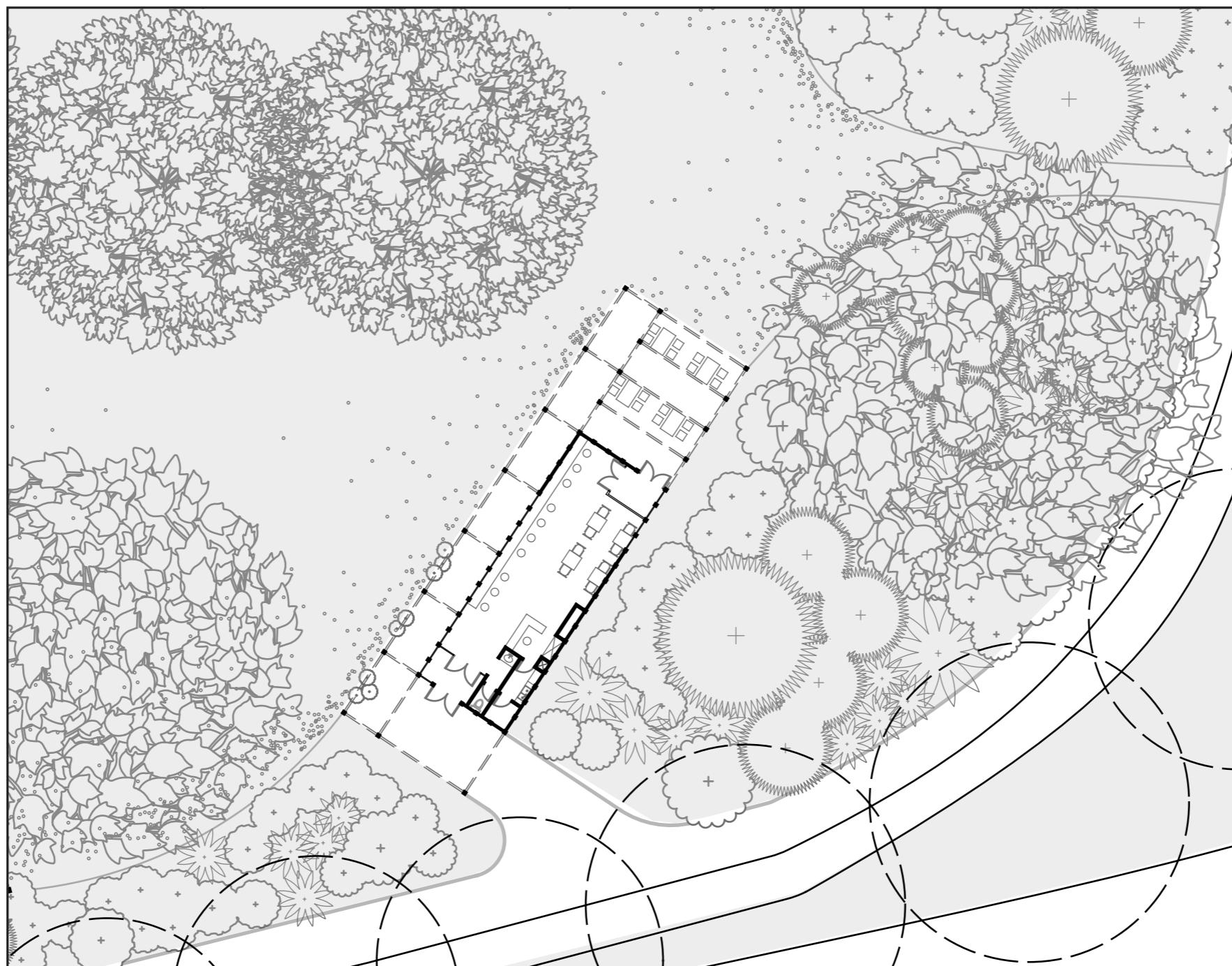




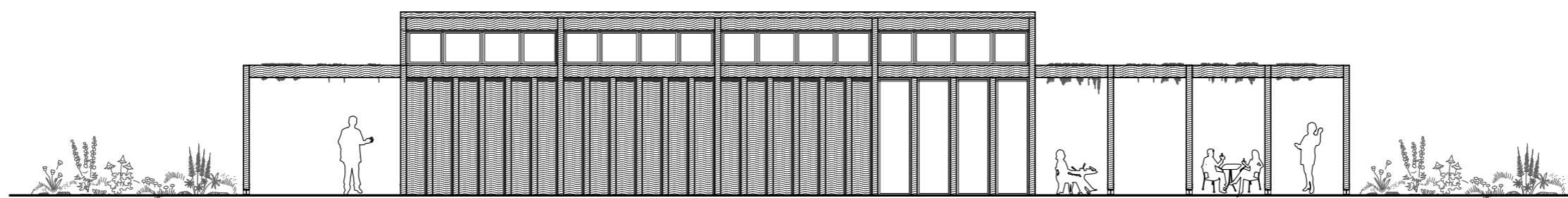
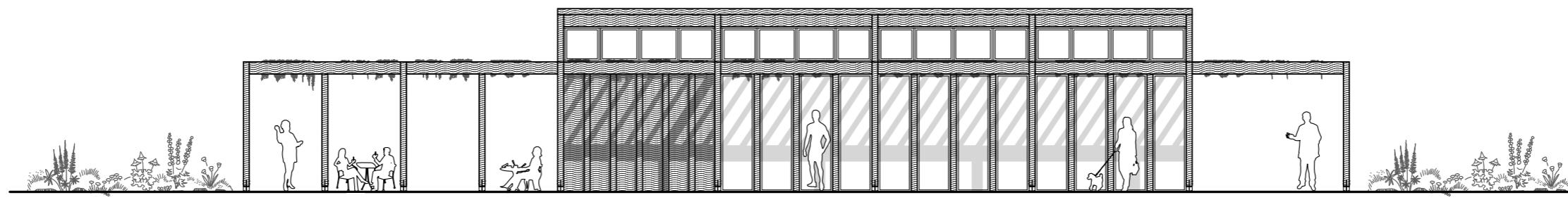
1. Roof construction:
 Soil substrate
 Filter fleece
 Insulation
 Waterproof layer
 Cross laminated timber board
 75mmx225mm timber roof beam
 2. Exterior cladding construction
 150mm/400mm Glue laminated beam
 Waterproof layer
 28mm insulation
 20mm batten
 20mm Larch boarding
 3. Timber window profile
 4. Interior blind
 5. Triple glazing

6. Floor construction:
 Base construction
 Waterproof layer
 55mm insulation layer
 53mm heated cement screed
 16mm ash parquet glued
 7. Exterior pavement construction
 Base construction
 Sand bed
 Brick paving block
 8. 100mm/400mm pergola glue laminated beam
 9. Wall construction
 Larch boarding
 Battens
 Facade underlay

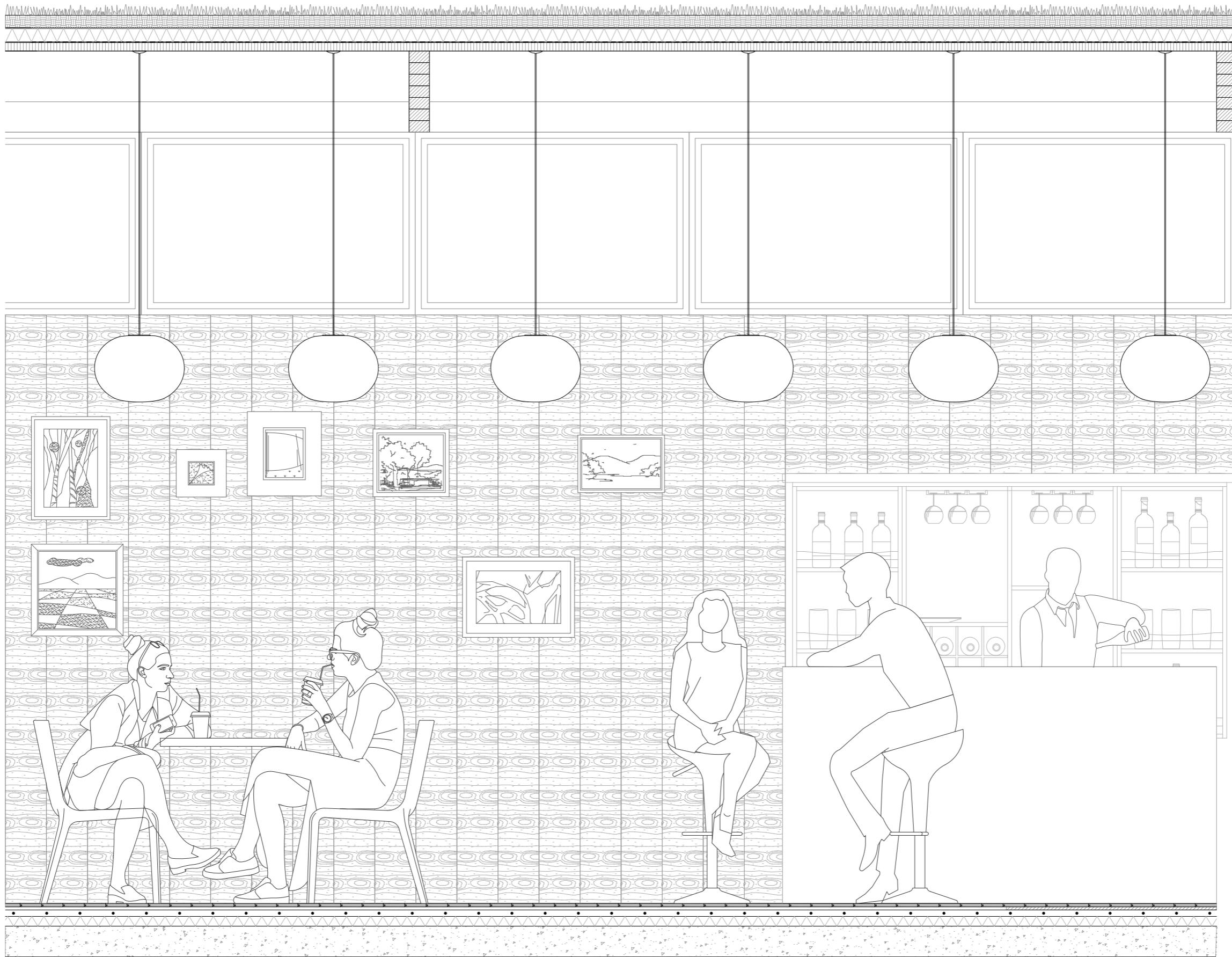
15mm wooden based panel
 80mm GLT load bearing wall
 Vapour barrier
 15mm wooden based panel substructure
 20mm acoustic panel cross laminated timber with slits
 10. 150mm/150mm GLT column
 11. Drainage soil
 12. Loose gravel
 13. Parapet sheet metal cap



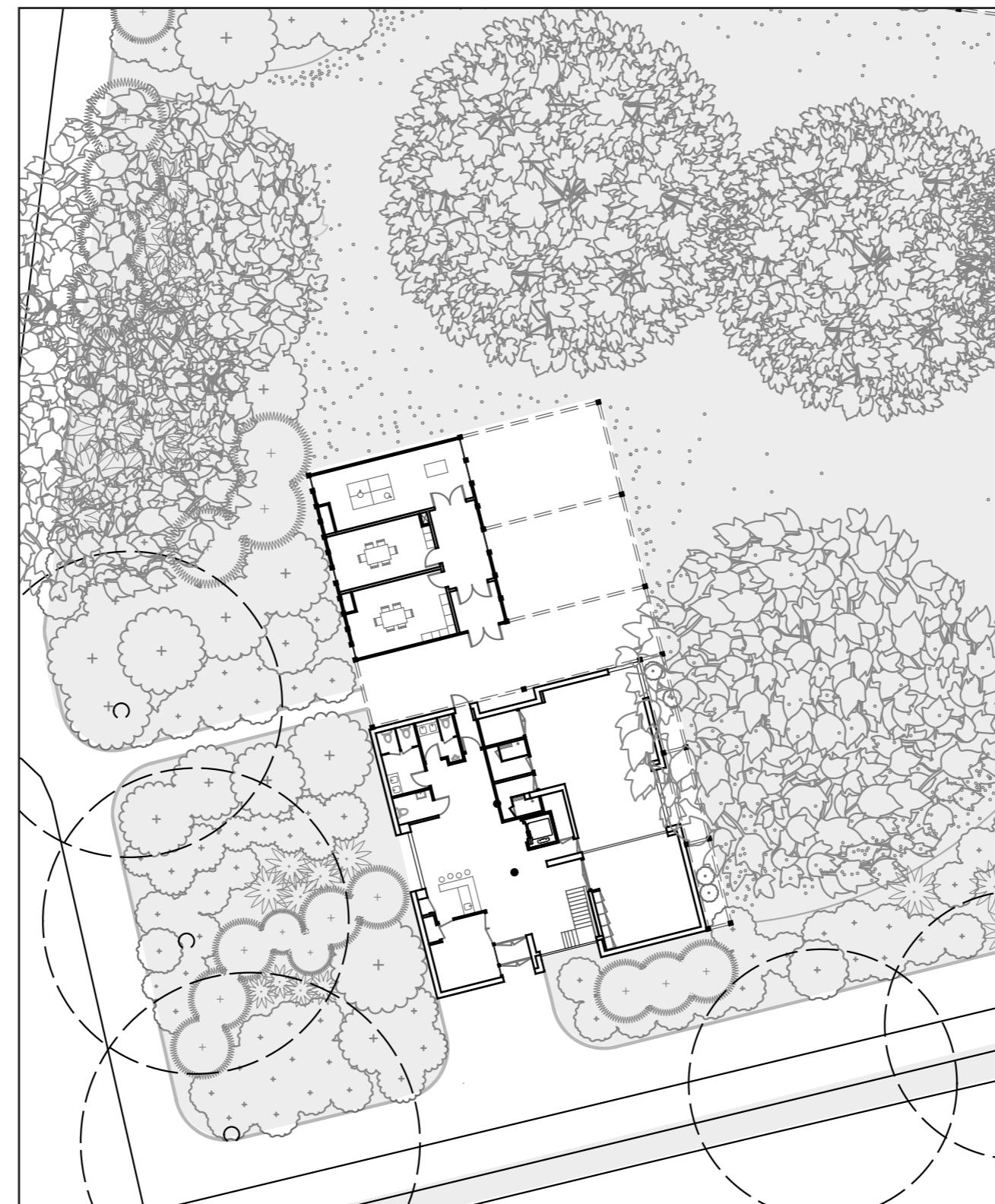
Coffee bar



Elevation







Community center(include existing one)



Past



Present

Jav~art



The dance hall



Kitchen

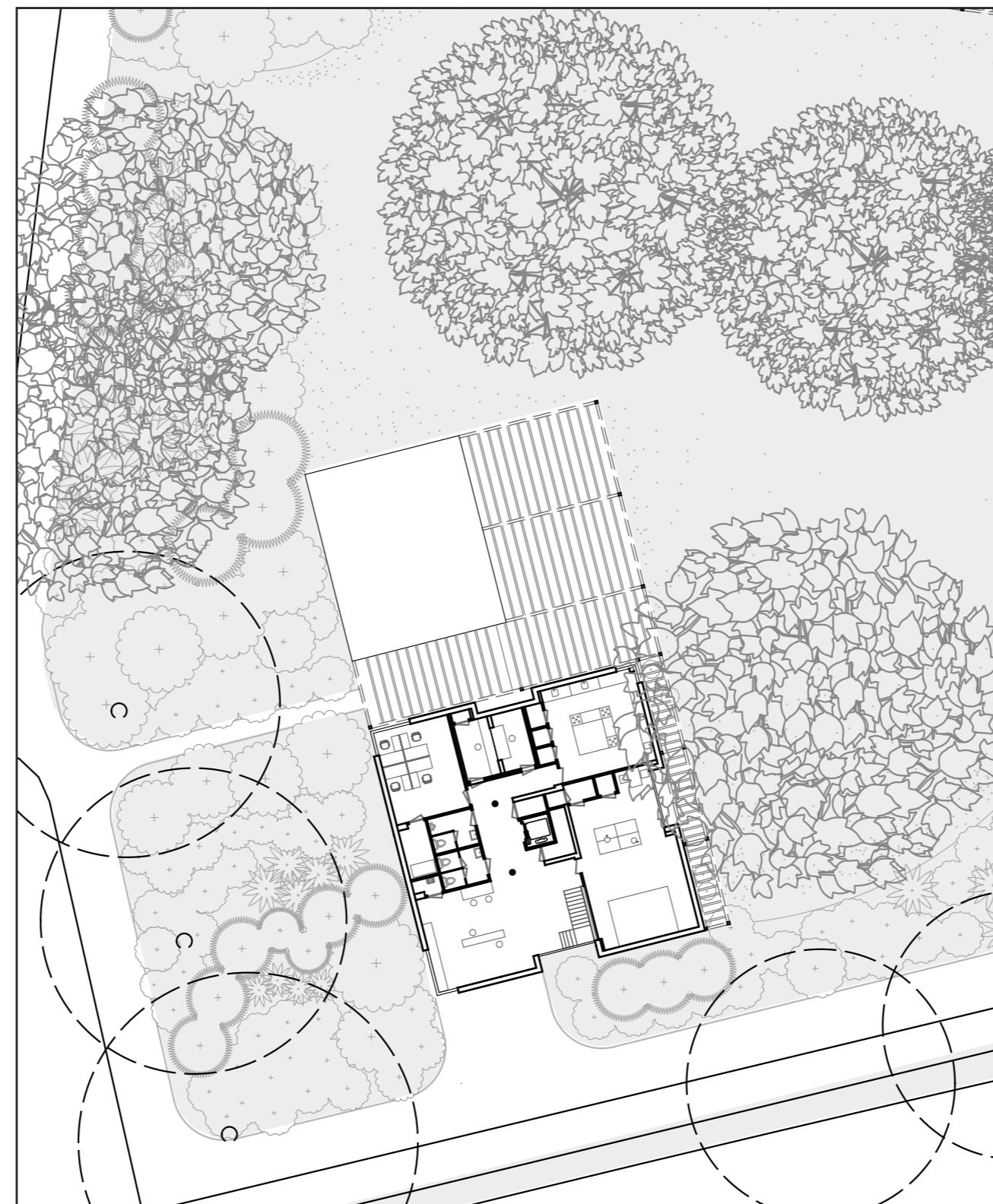


Music recording studio

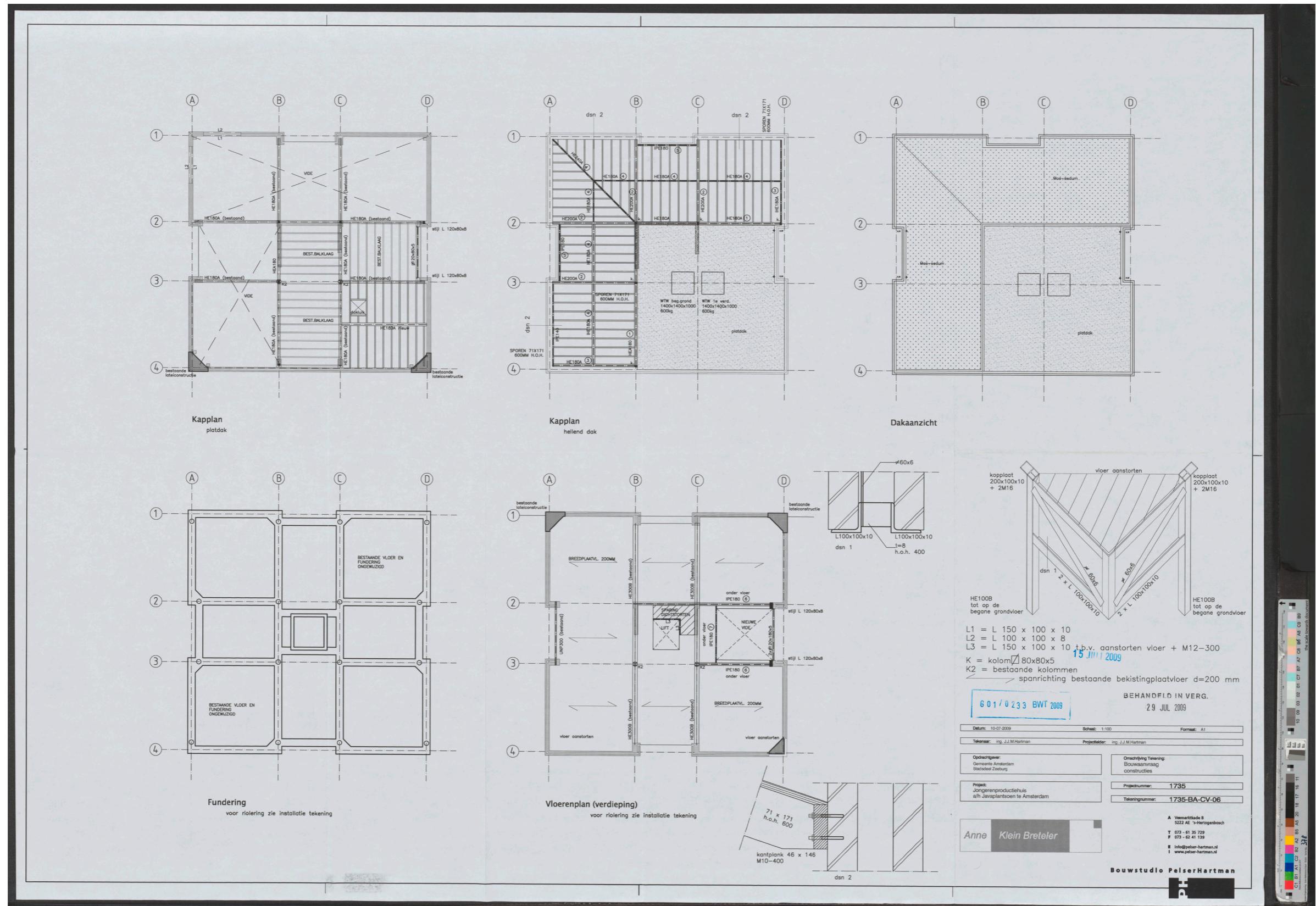


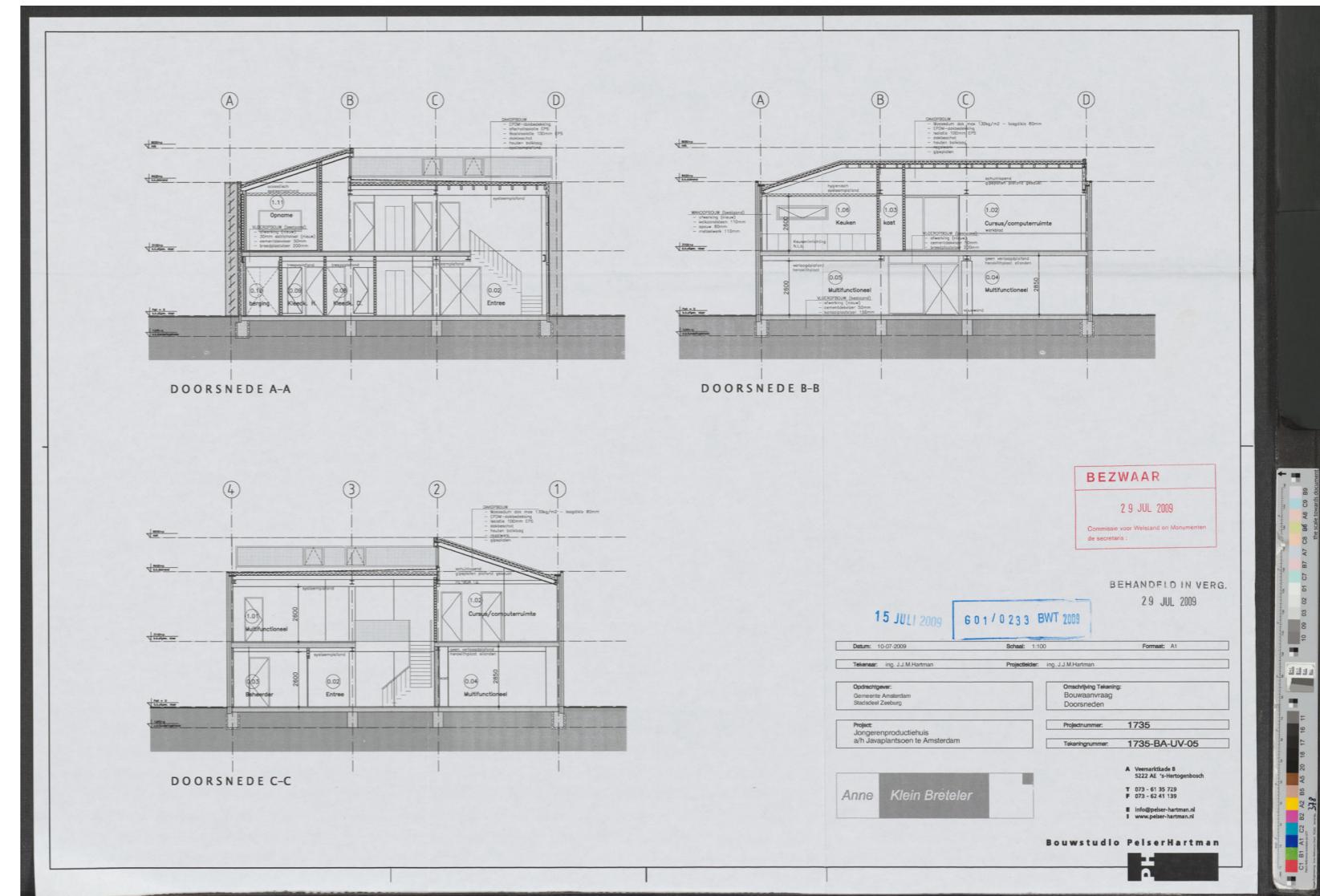
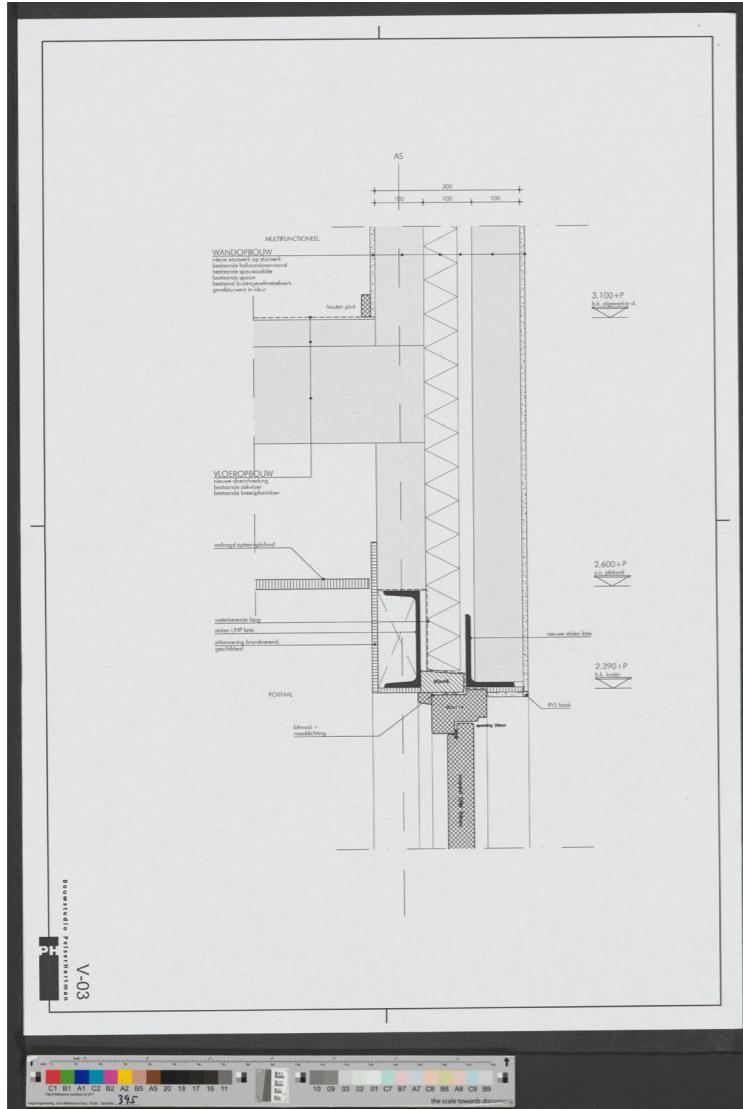
DJ studio

Inside of Jav~Art

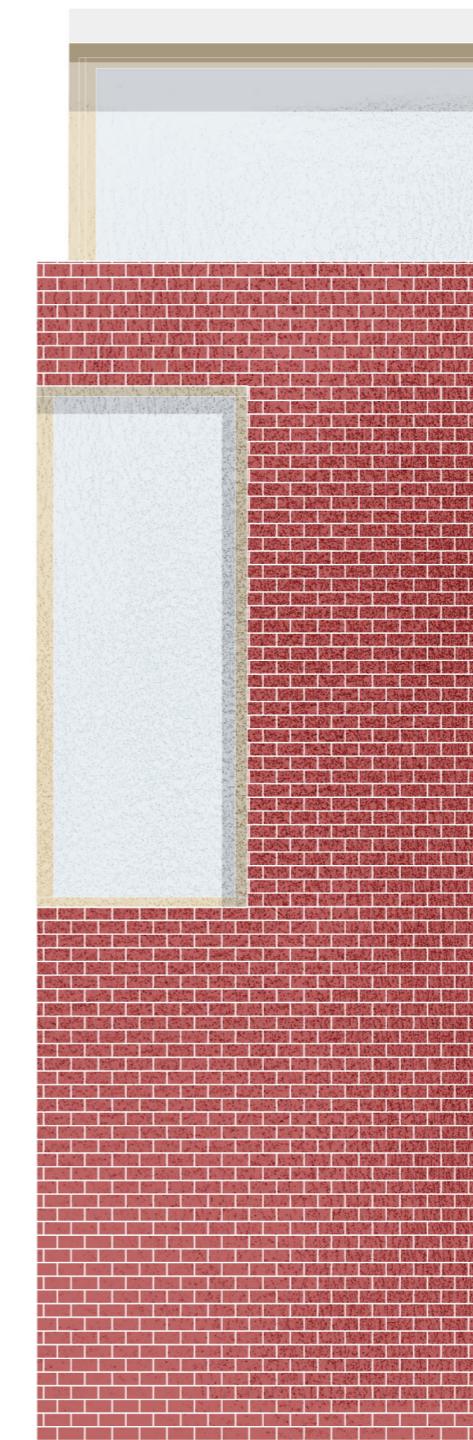
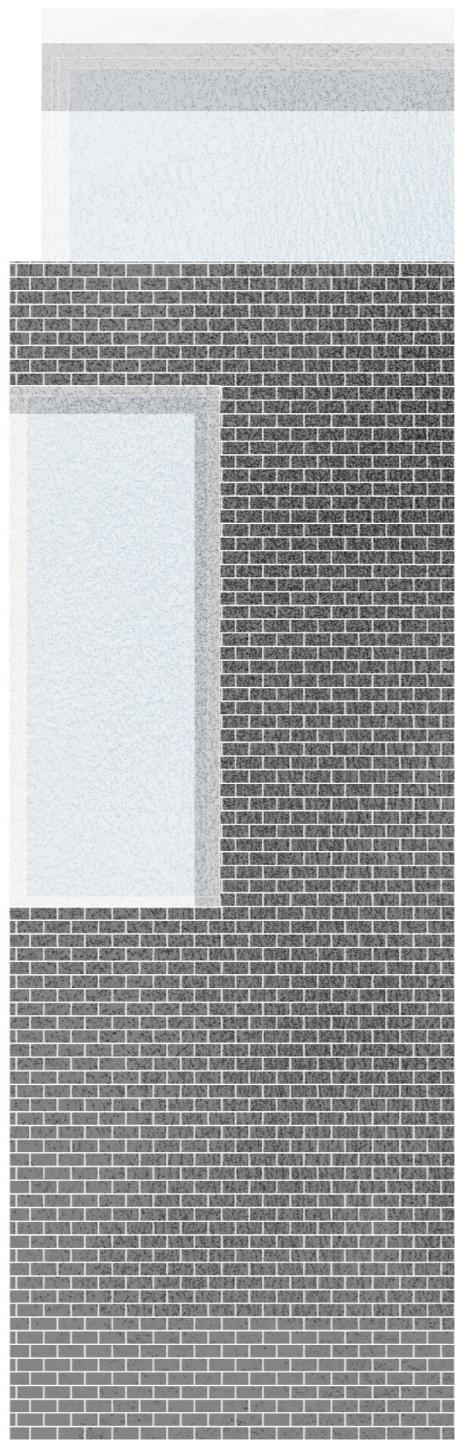


1st floor

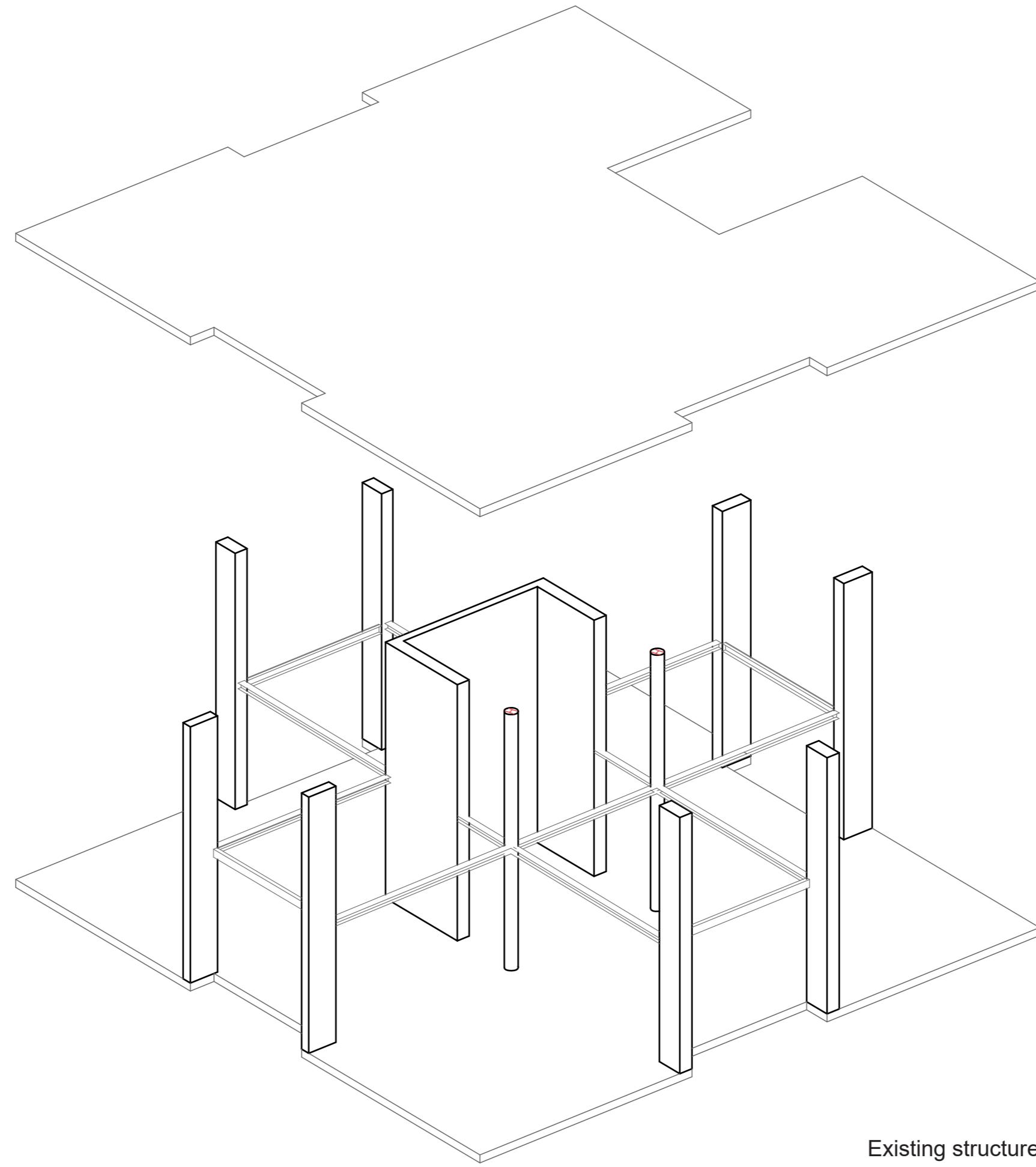




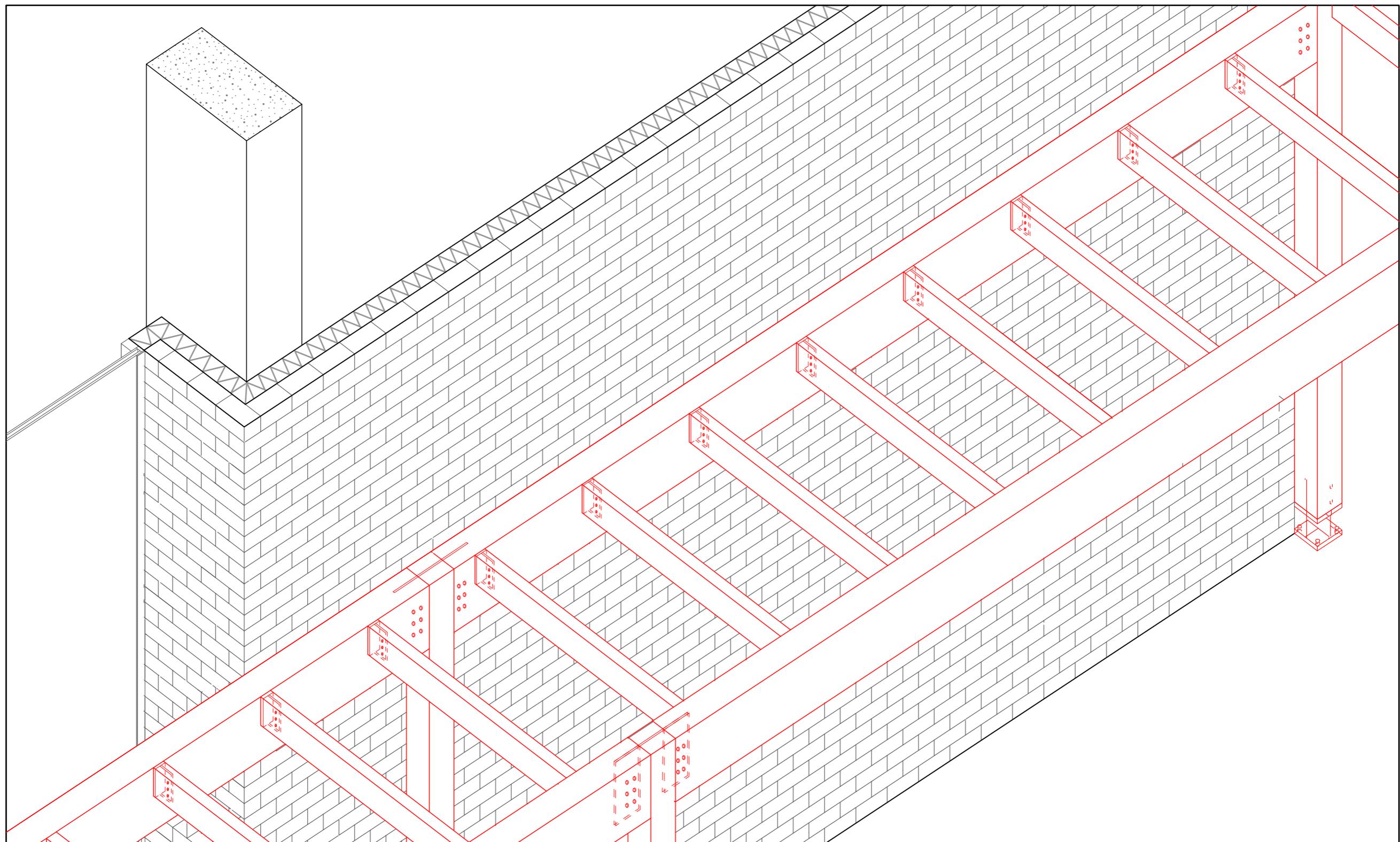
Keep facade+painting



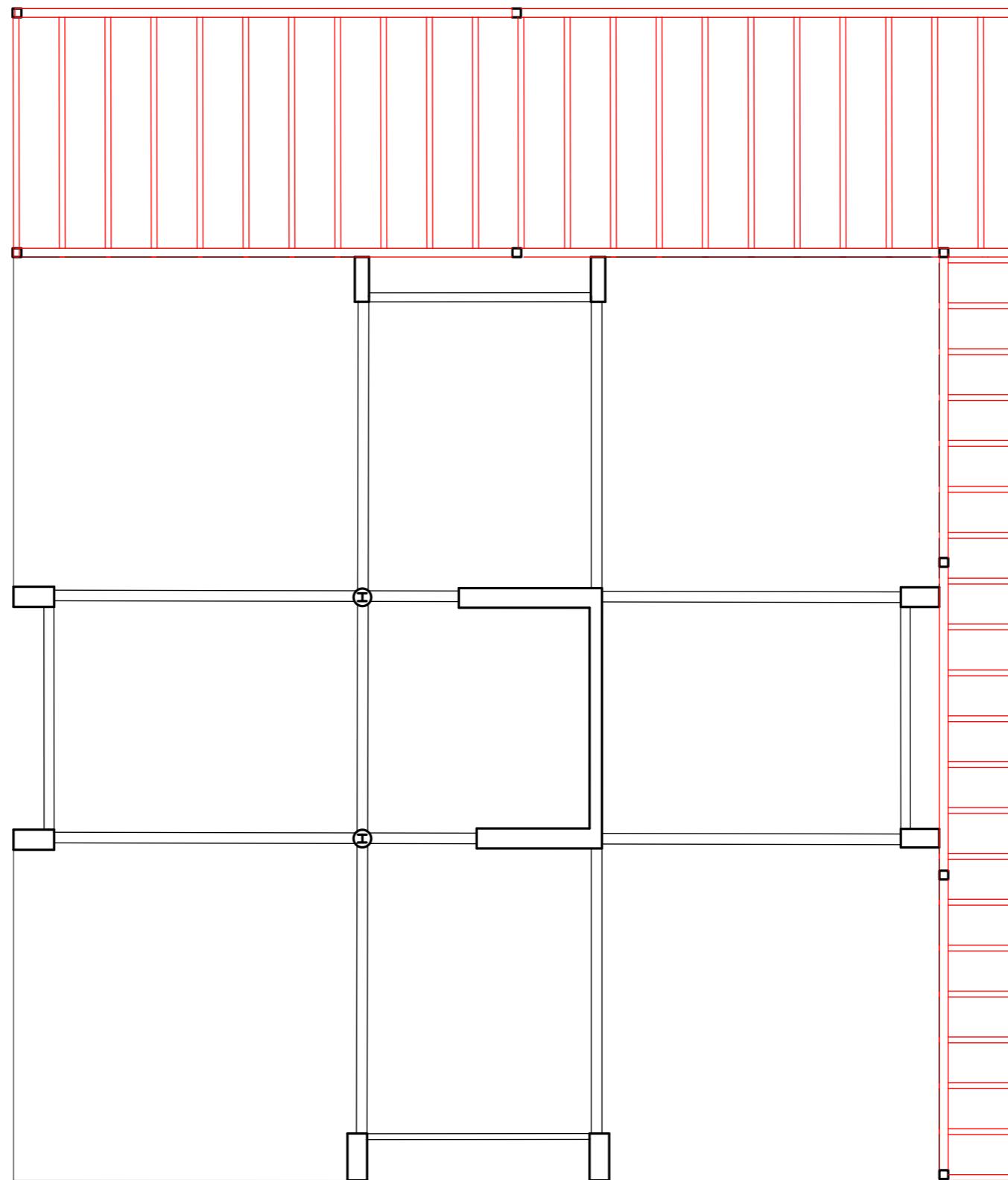
New painting



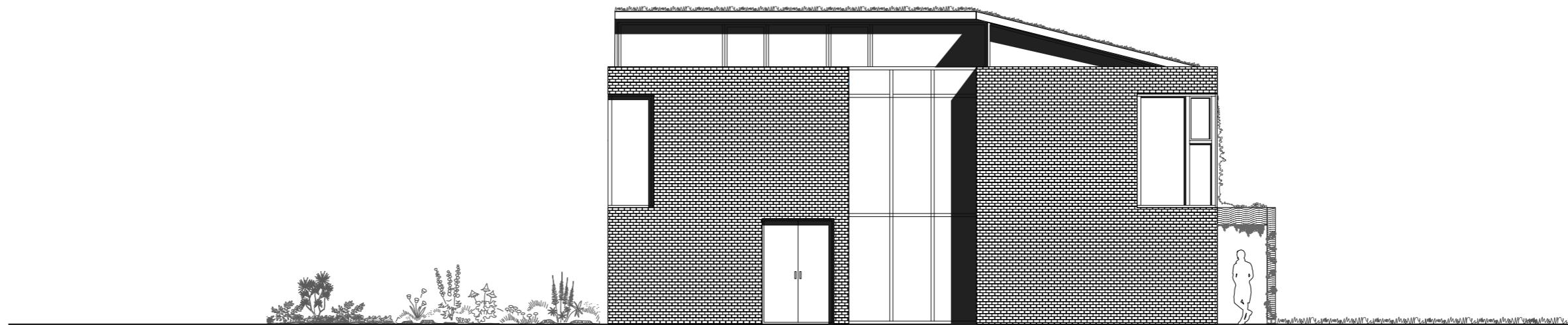
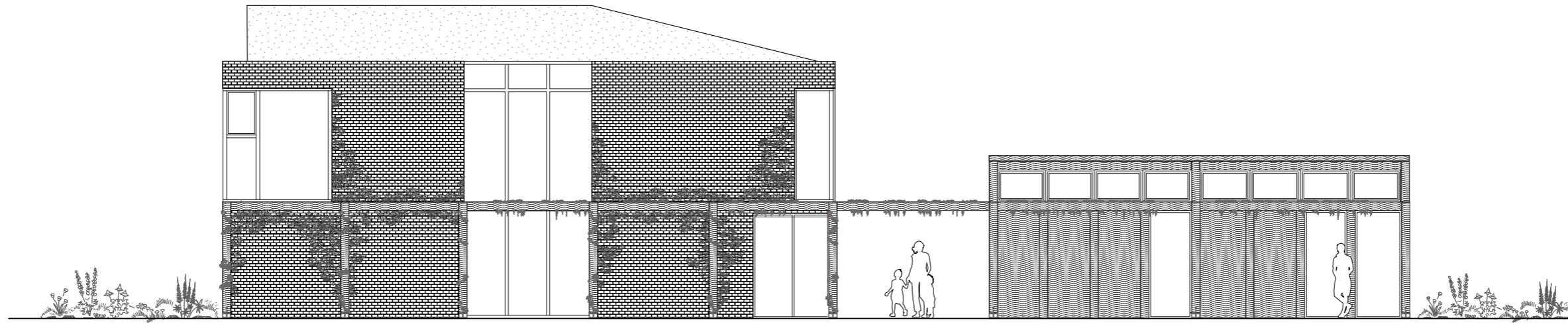
Existing structure



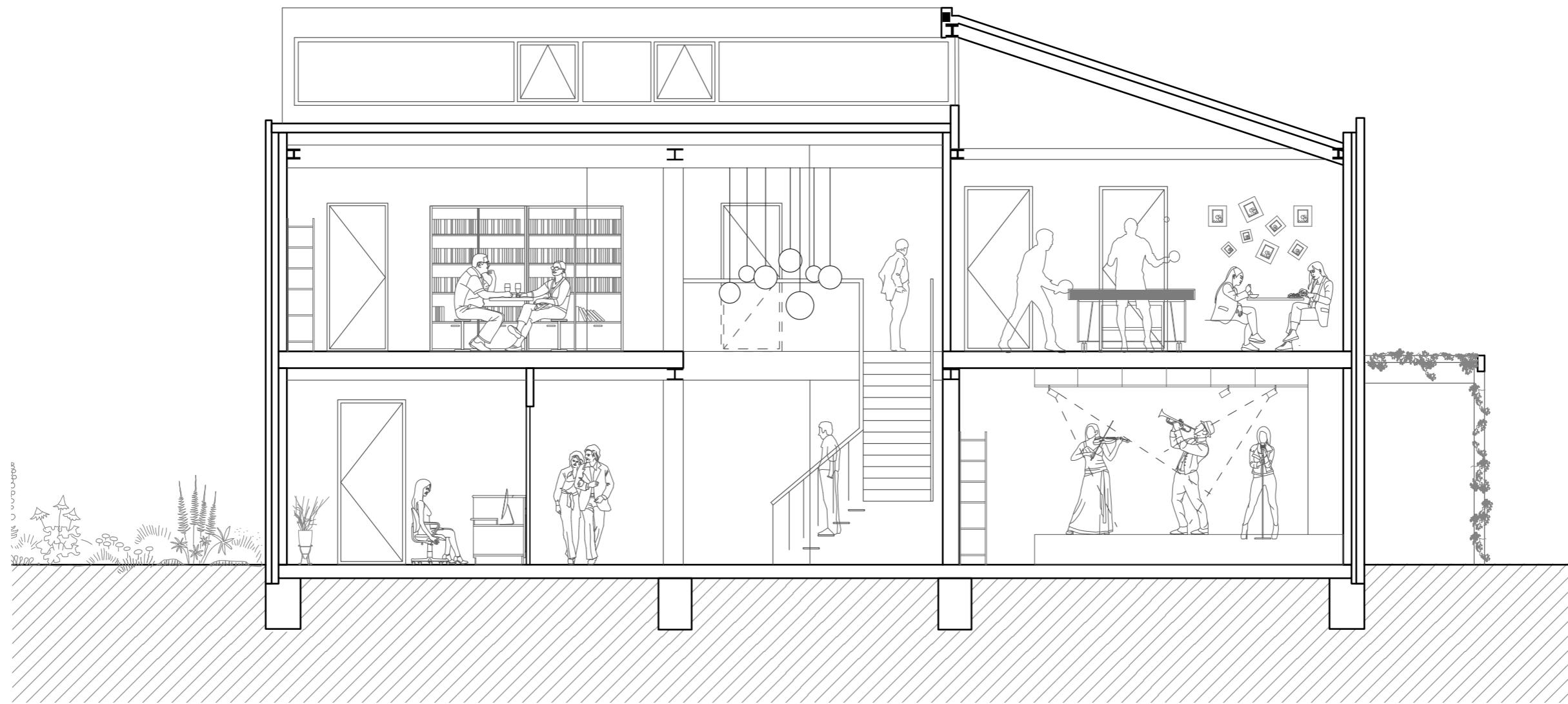
New intervention

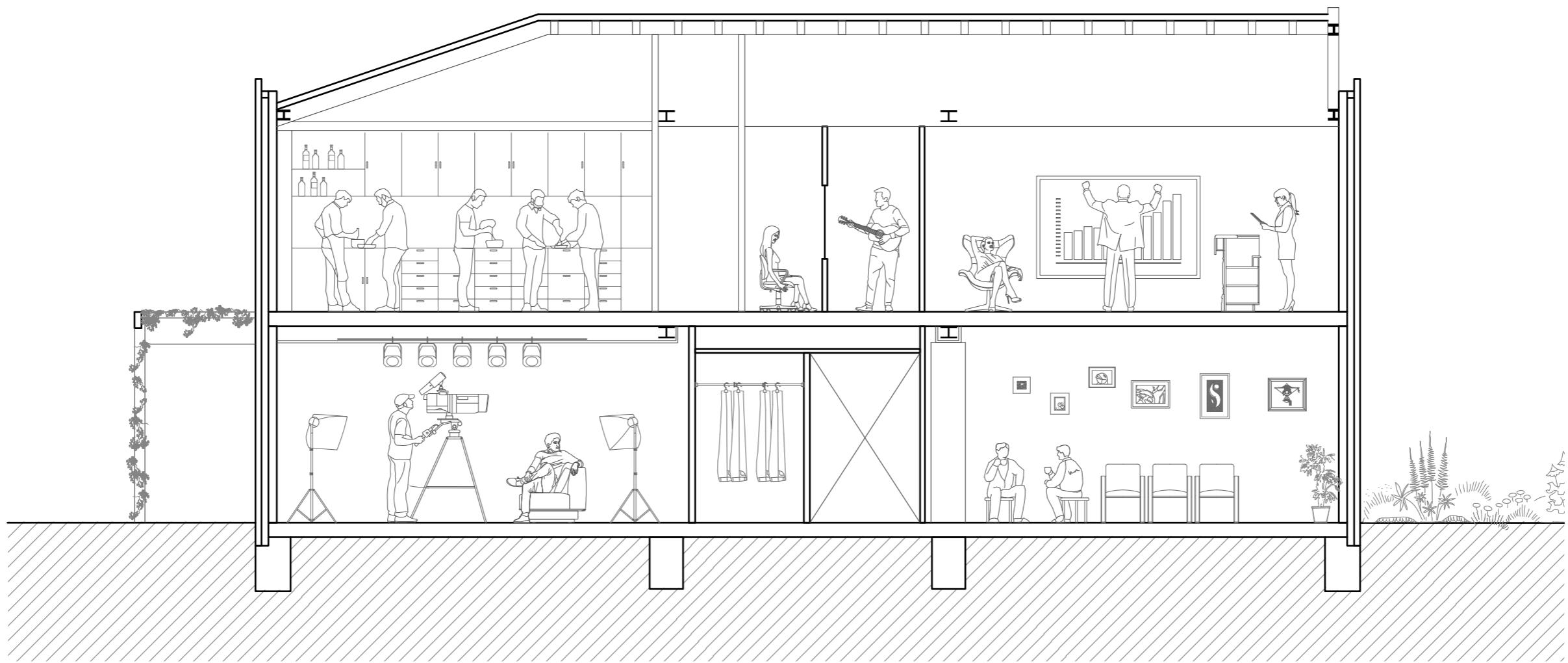


New intervention in plan



Elevation







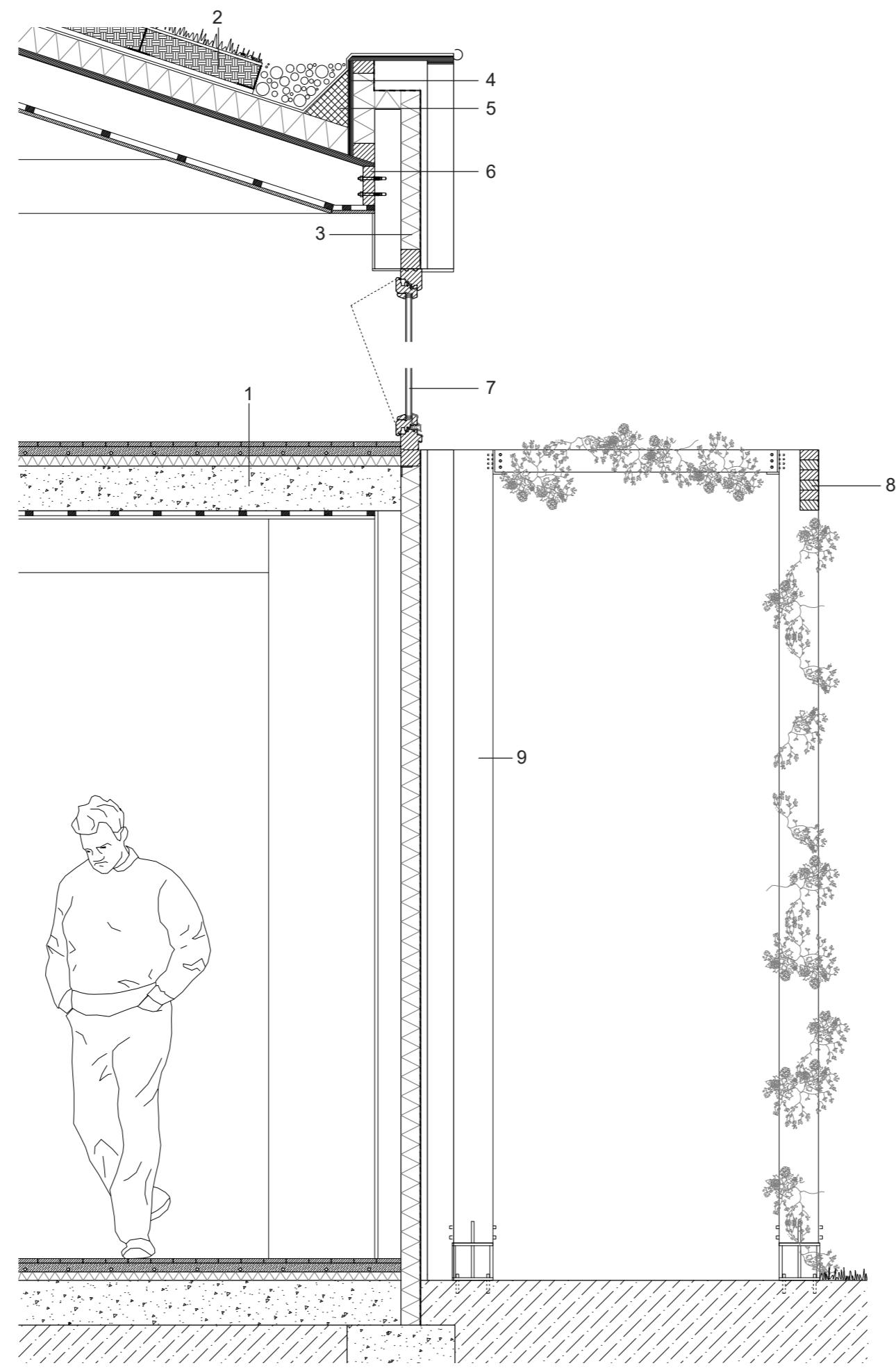
Dancing hall

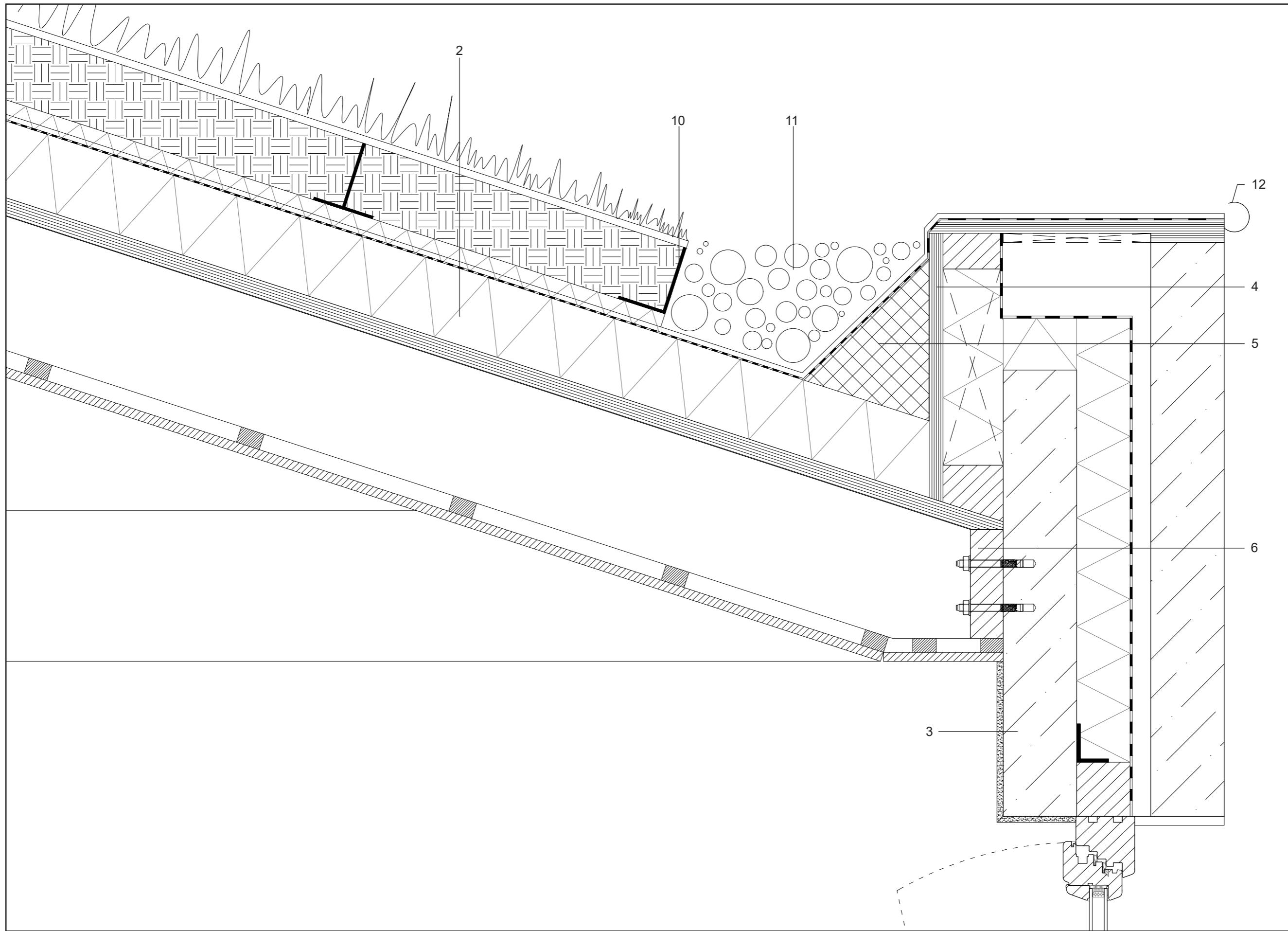


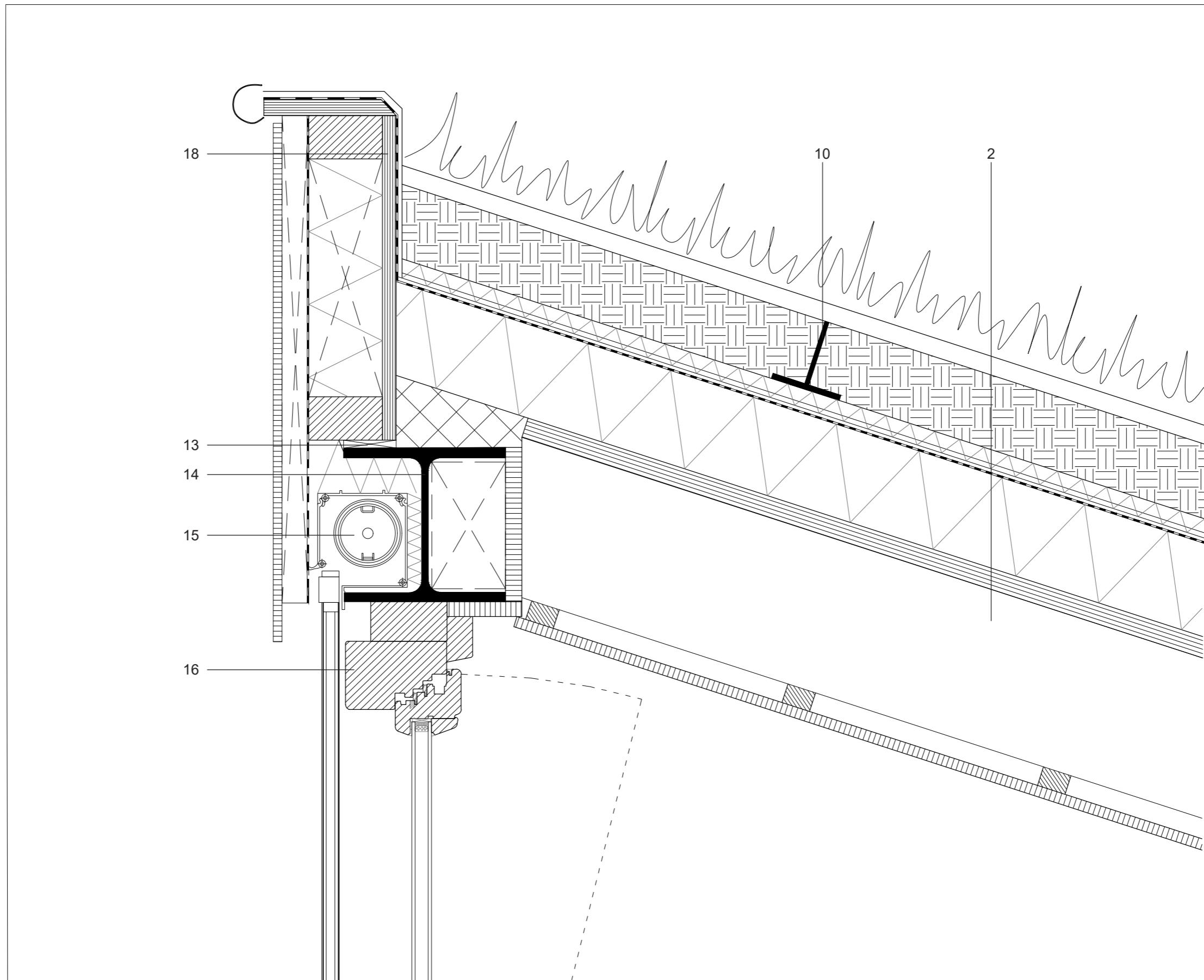
Exercise room

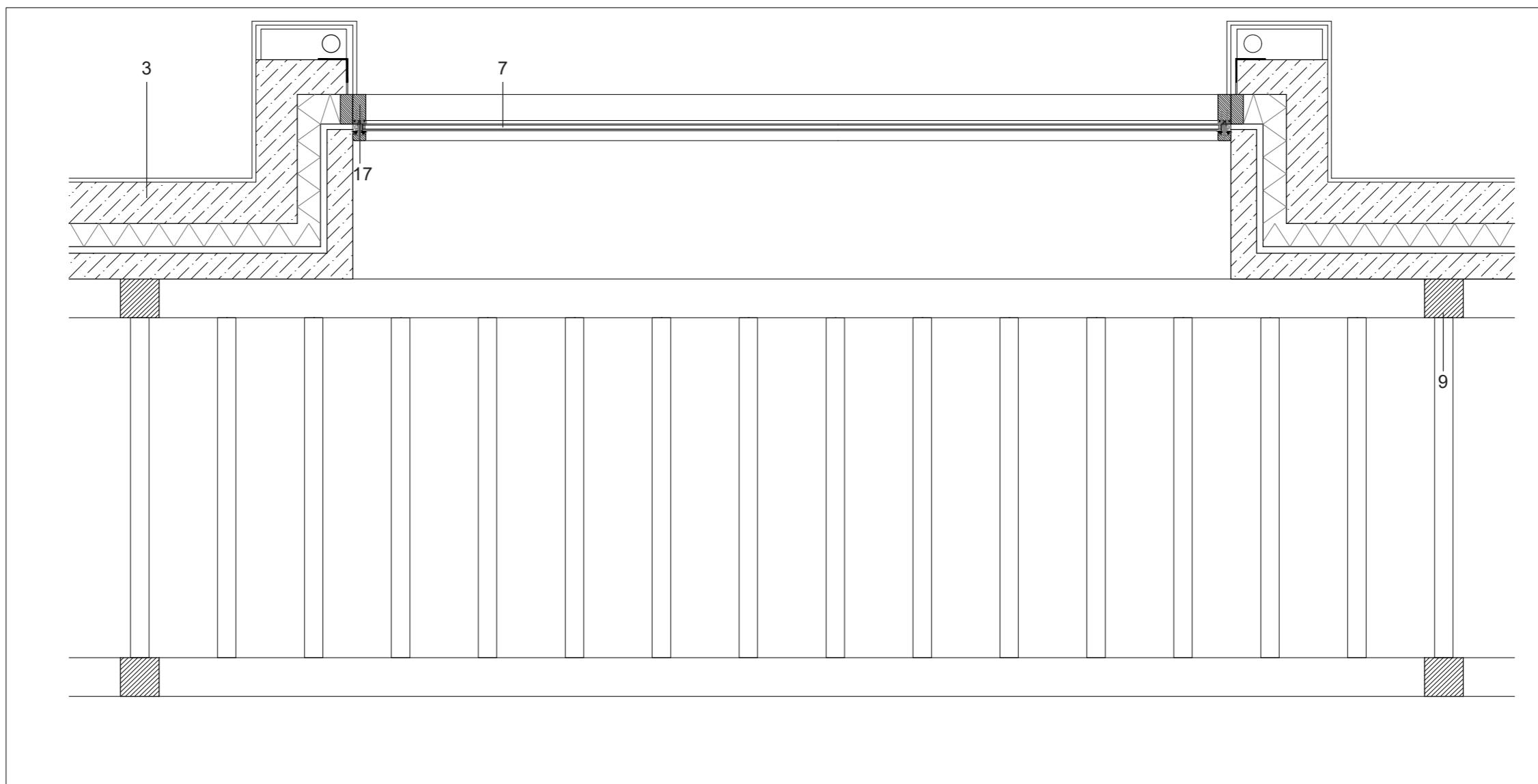


Course/workshop







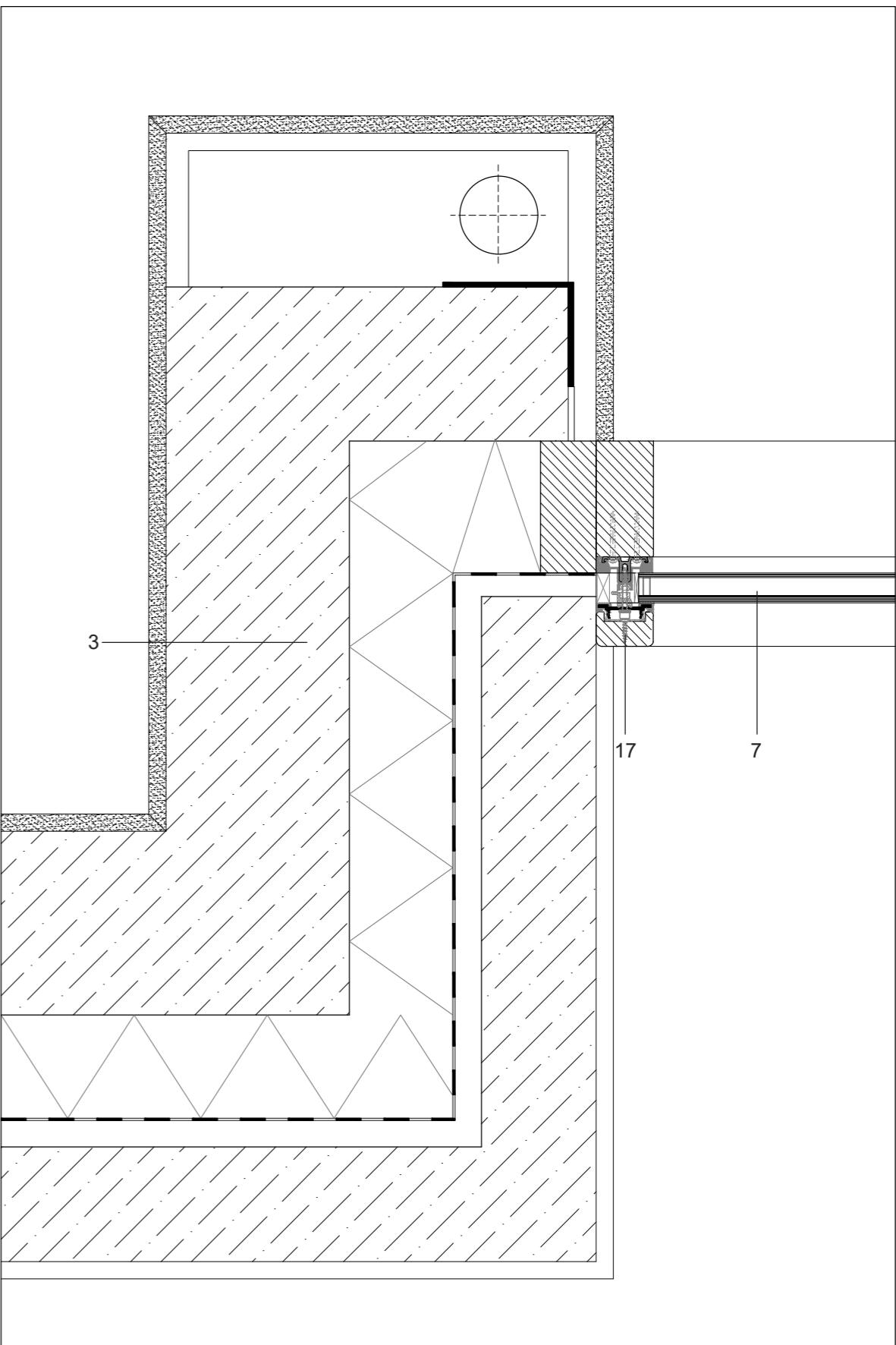


1. Floor construction:
 Plasterboard
 Batten 32x22
 Concrete slab 170mm
 55mm insulation layer
 53mm heated cement screed
 16mm ash parquet glued

2. Roof construction:
 Sauce work
 Plasterboard
 Batten 35x22
 Track-beam layer
 Multiple roof boarding 21mm
 Insulation 100mm
 Epdm roofing
 Drainage mat
 Extensive substrate
 Vegetation

3. Wall construction
 Outside painting layer
 Existing brick cladding
 25mm Batten
 Waterproof layer
 Insulation 100mm

Inner brick leaf
 15mm plaster board
 4. Plywood
 5. Eps mastic
 6. Seam sealing
 7. Double glazing
 8. 75mmX230mm laminated timber beam
 9. 150mmX150mm laminated timber column
 10. Slide protection system
 11. Gravel
 12. Aluminum roof gutter
 13. Seam sealing
 14. Steel beam
 15. Screens
 16. Timber window profile
 17. Timber mullion
 18. Roof wall construction:
 Sedum roof
 Roofing
 Wall stud 38X80mm
 Insulation 80mm
 Waterproof layer
 Batten 30x30
 Trespa siding



5. Construction

Construction steps showing the structure design; climate analysis; materials

Type of wood: Accoya(softwood)

Last for 50 years

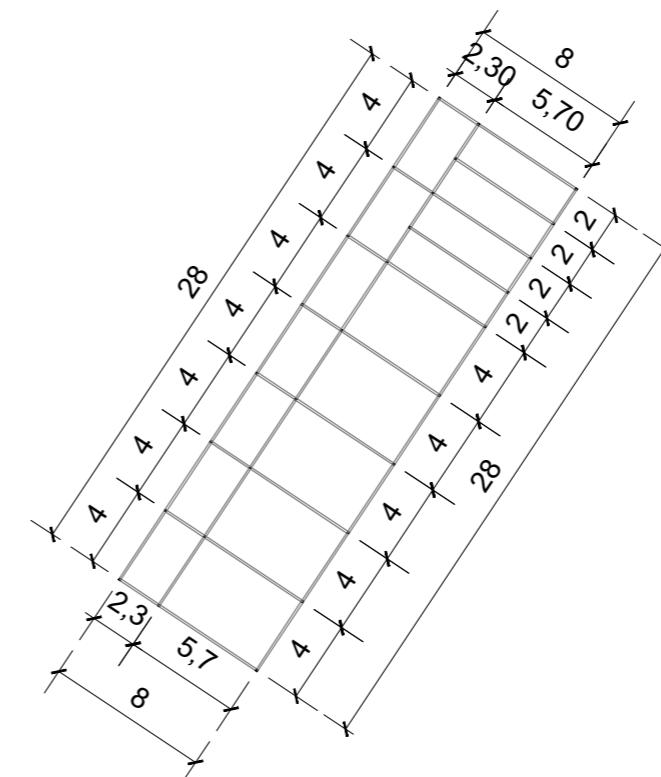
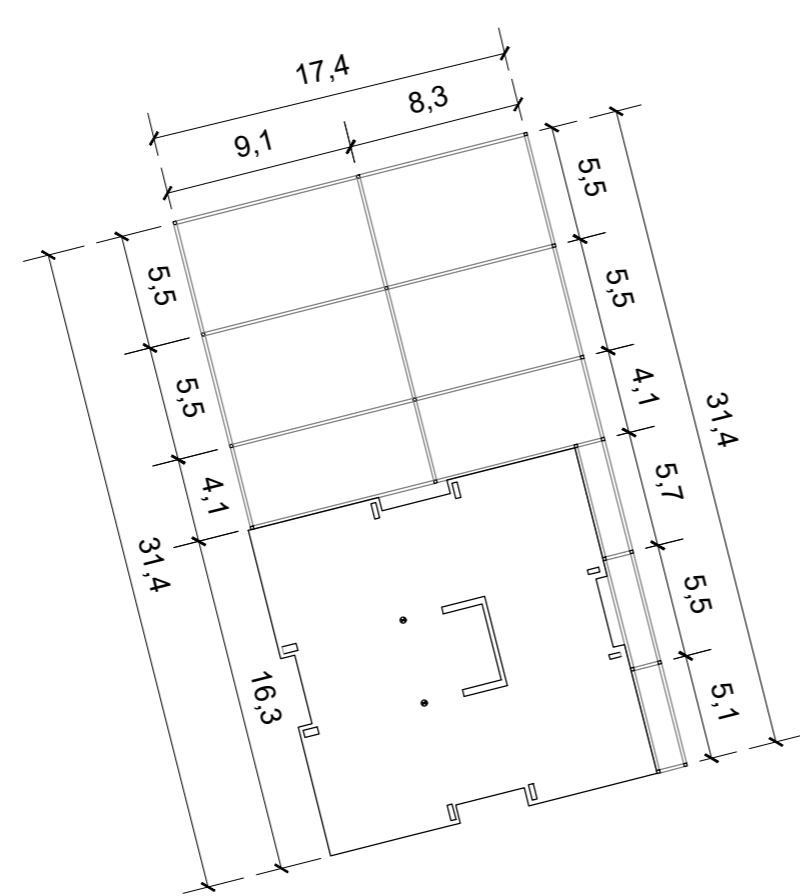
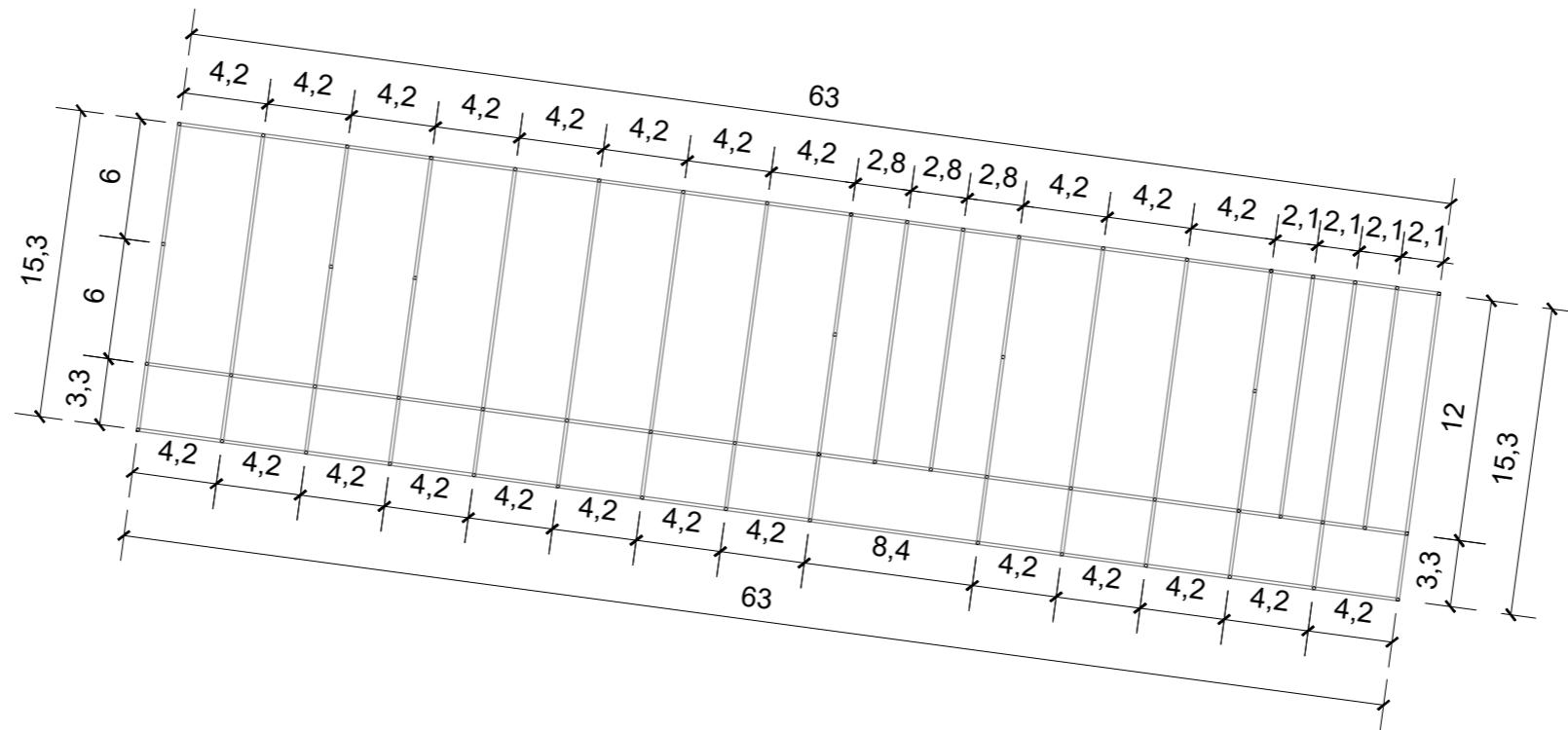
Resilient

Grow up(light-grey)

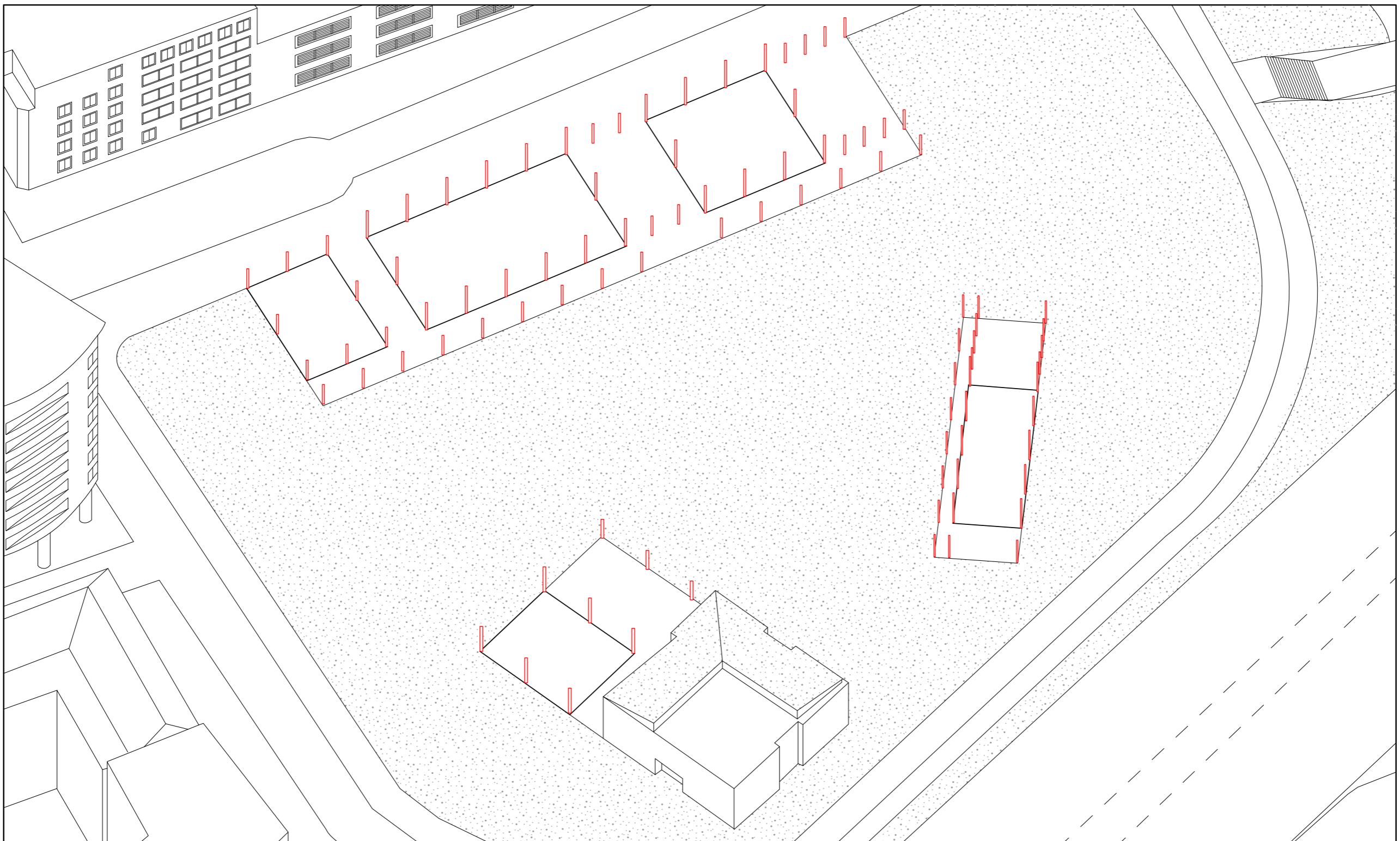
Durability

Structural capacity

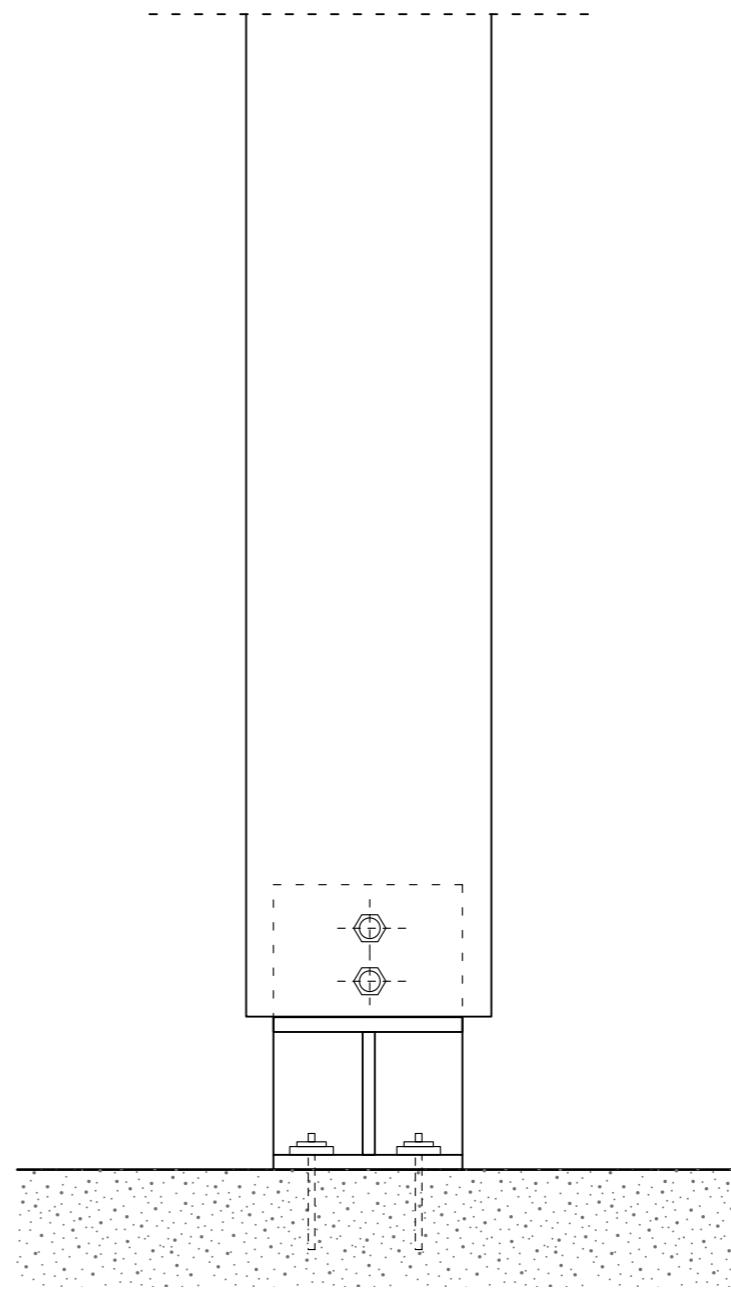
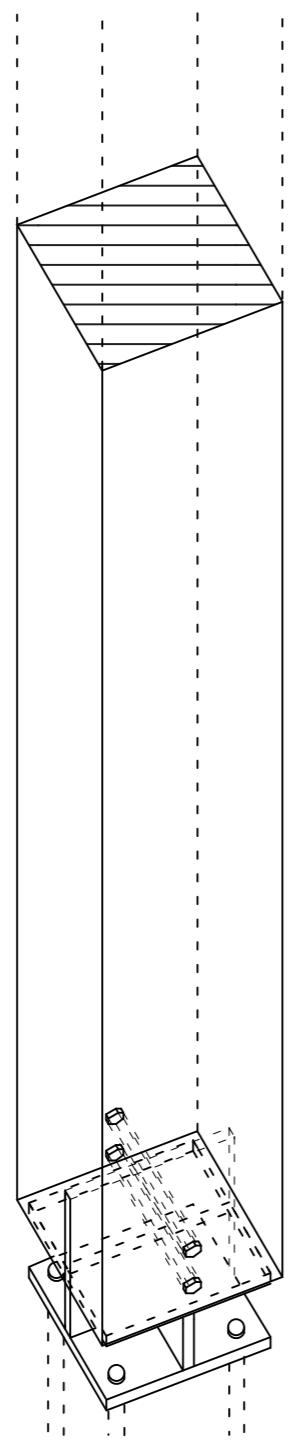


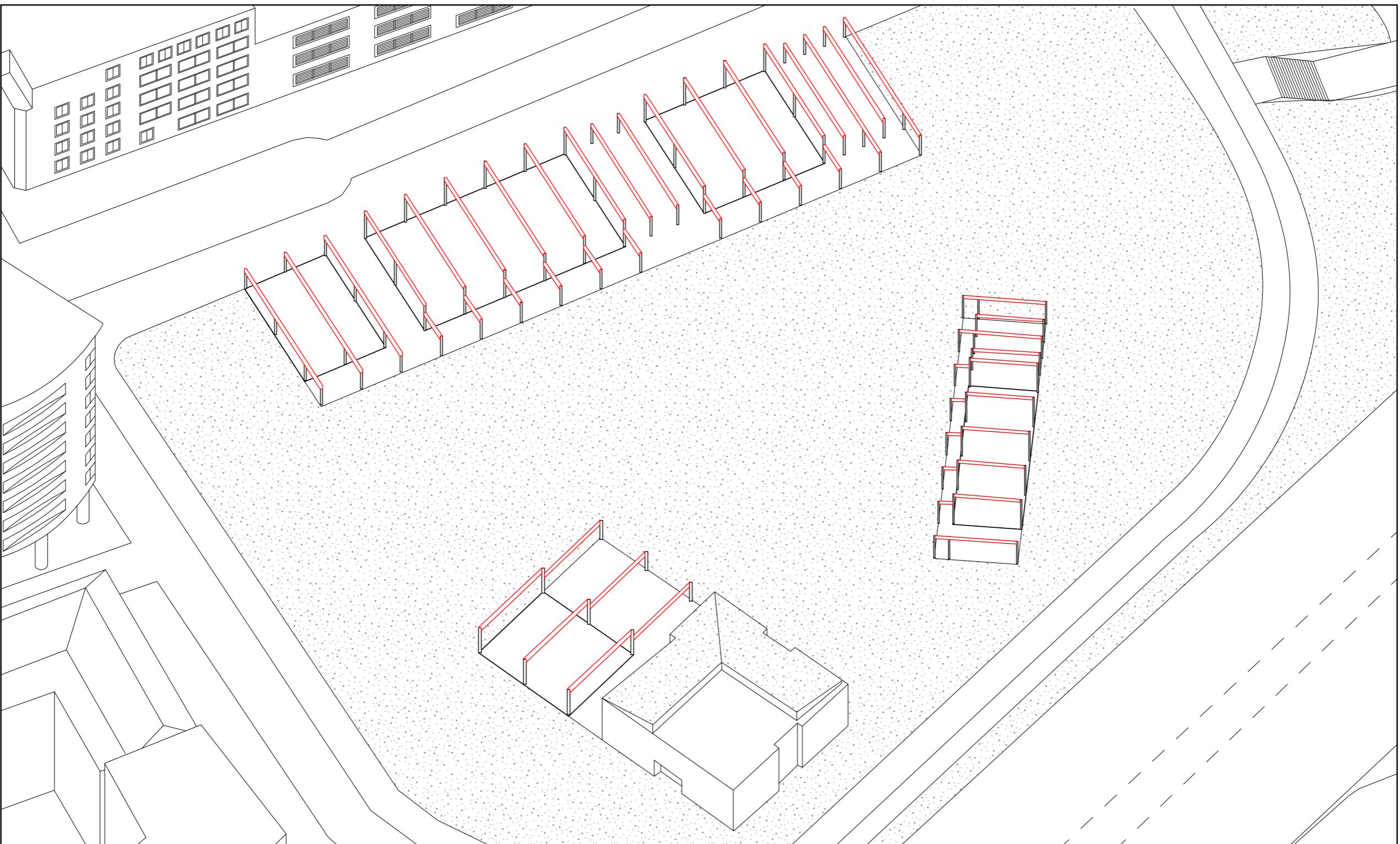


Grid

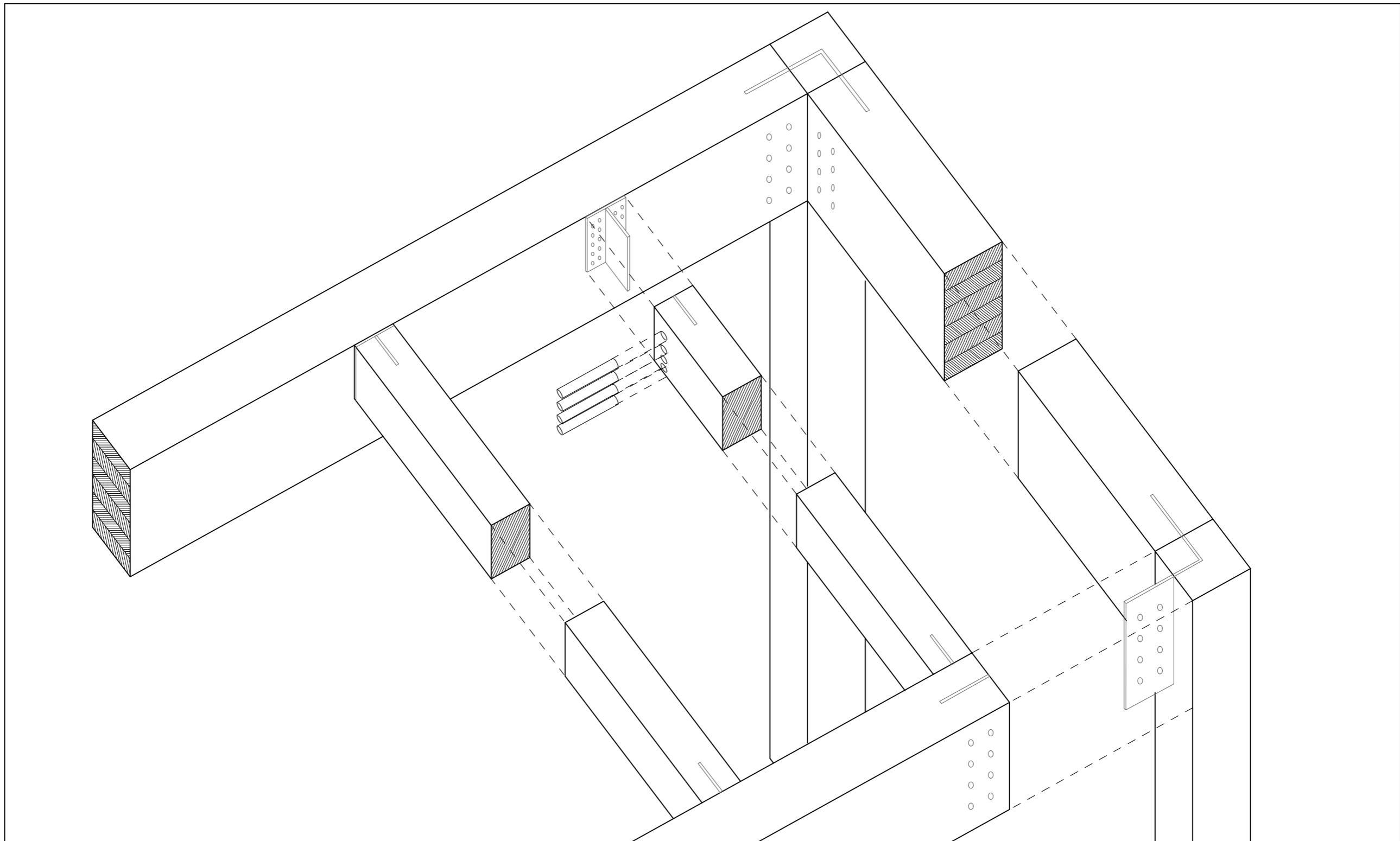


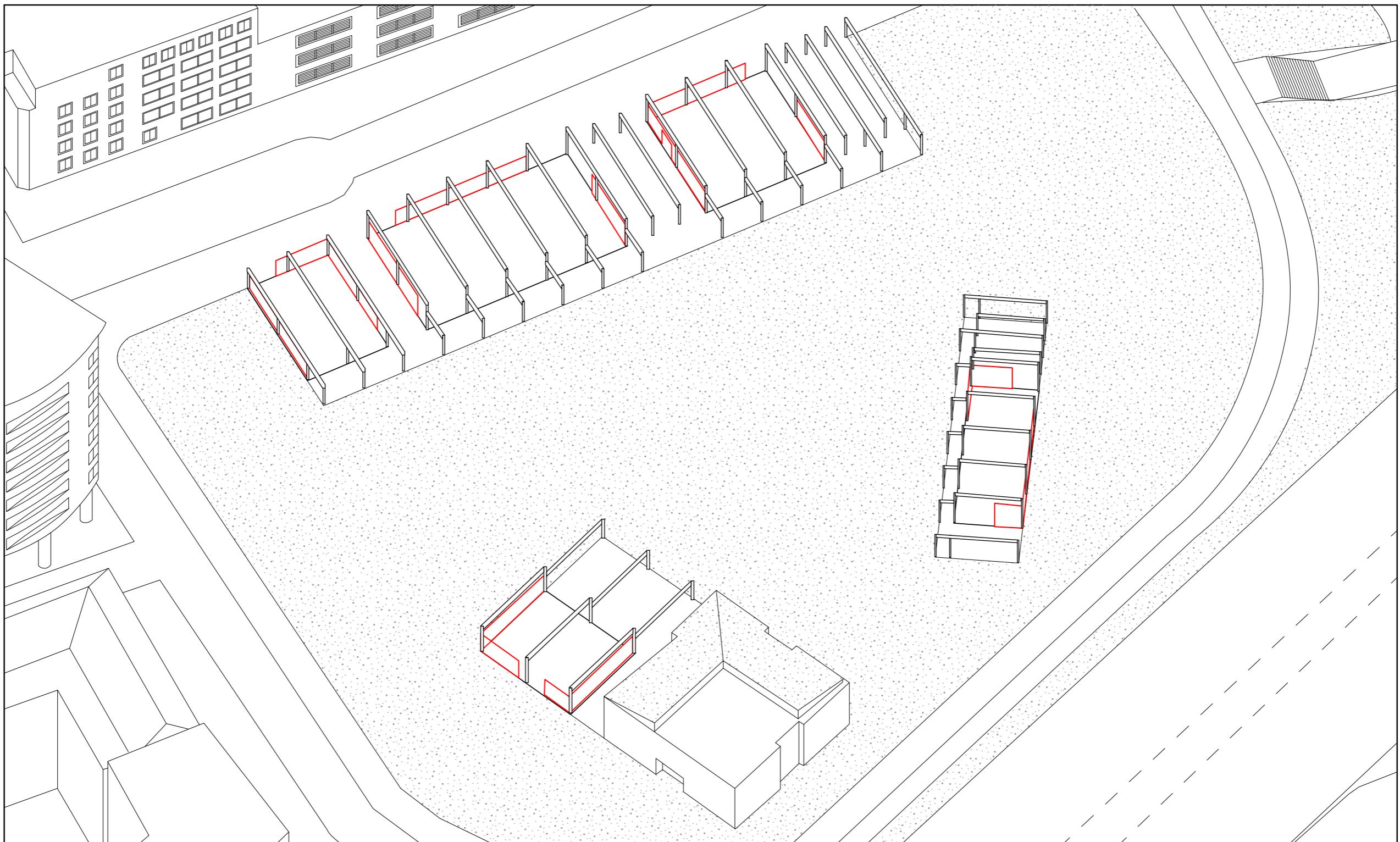
Column



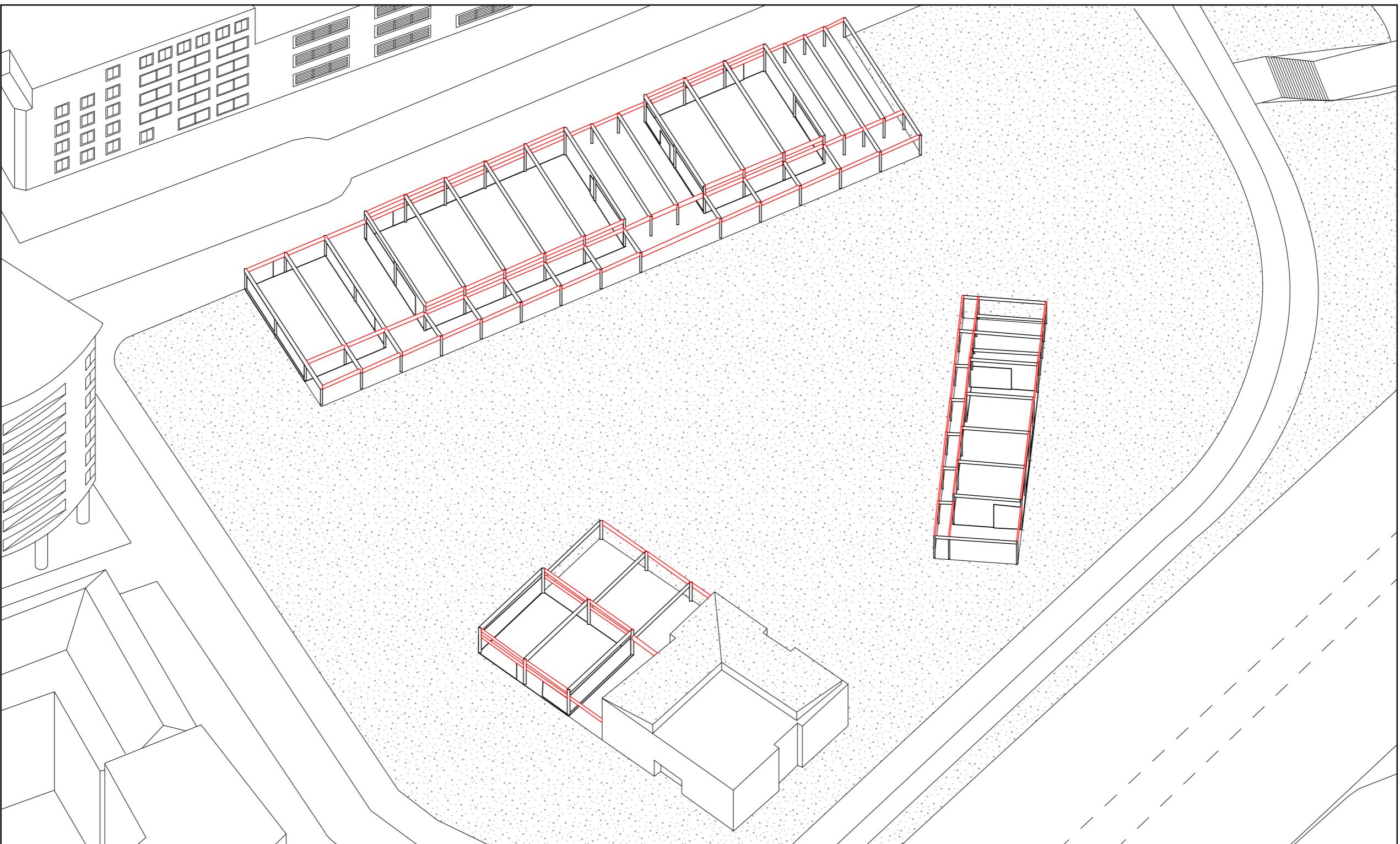


Main beams

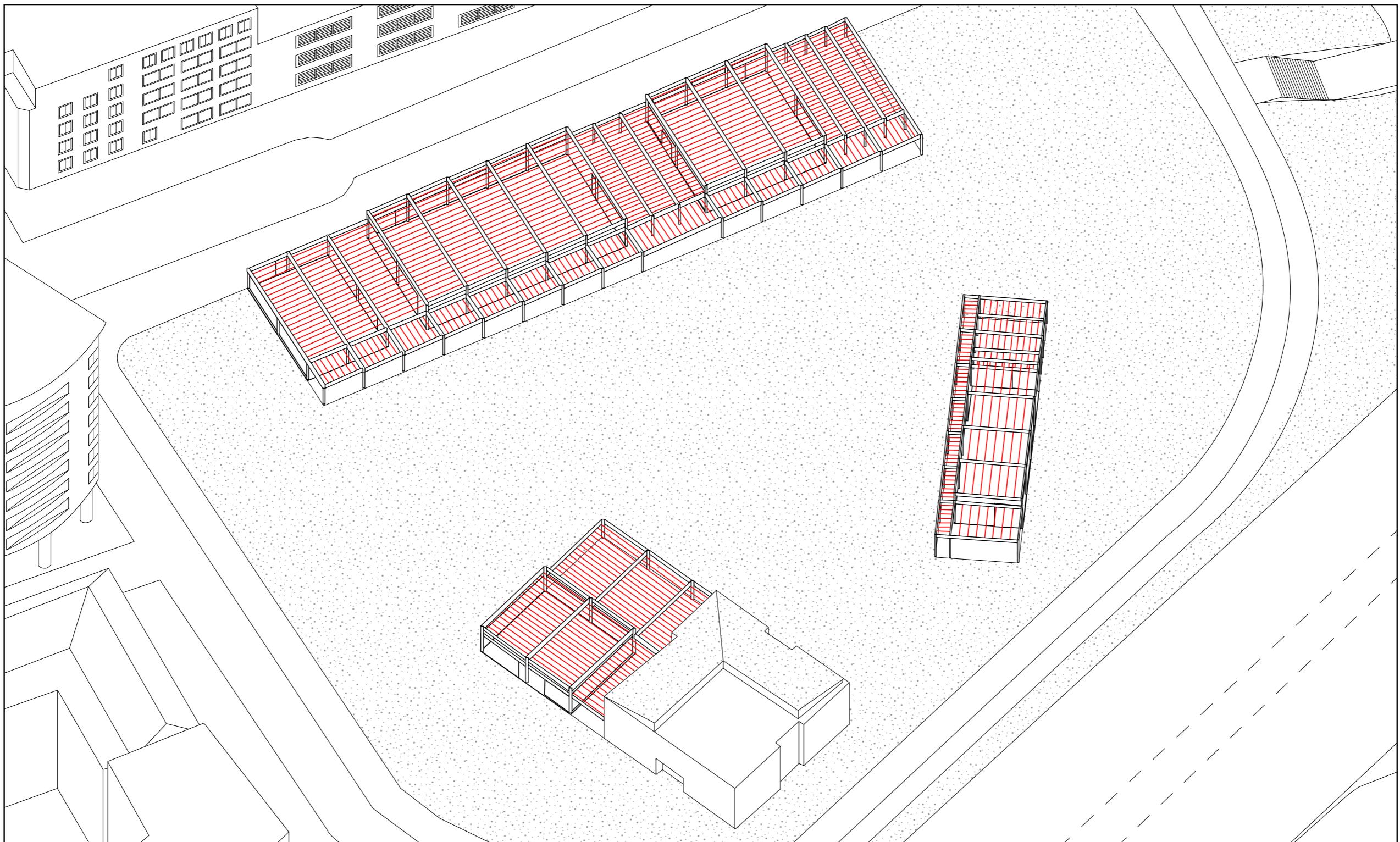




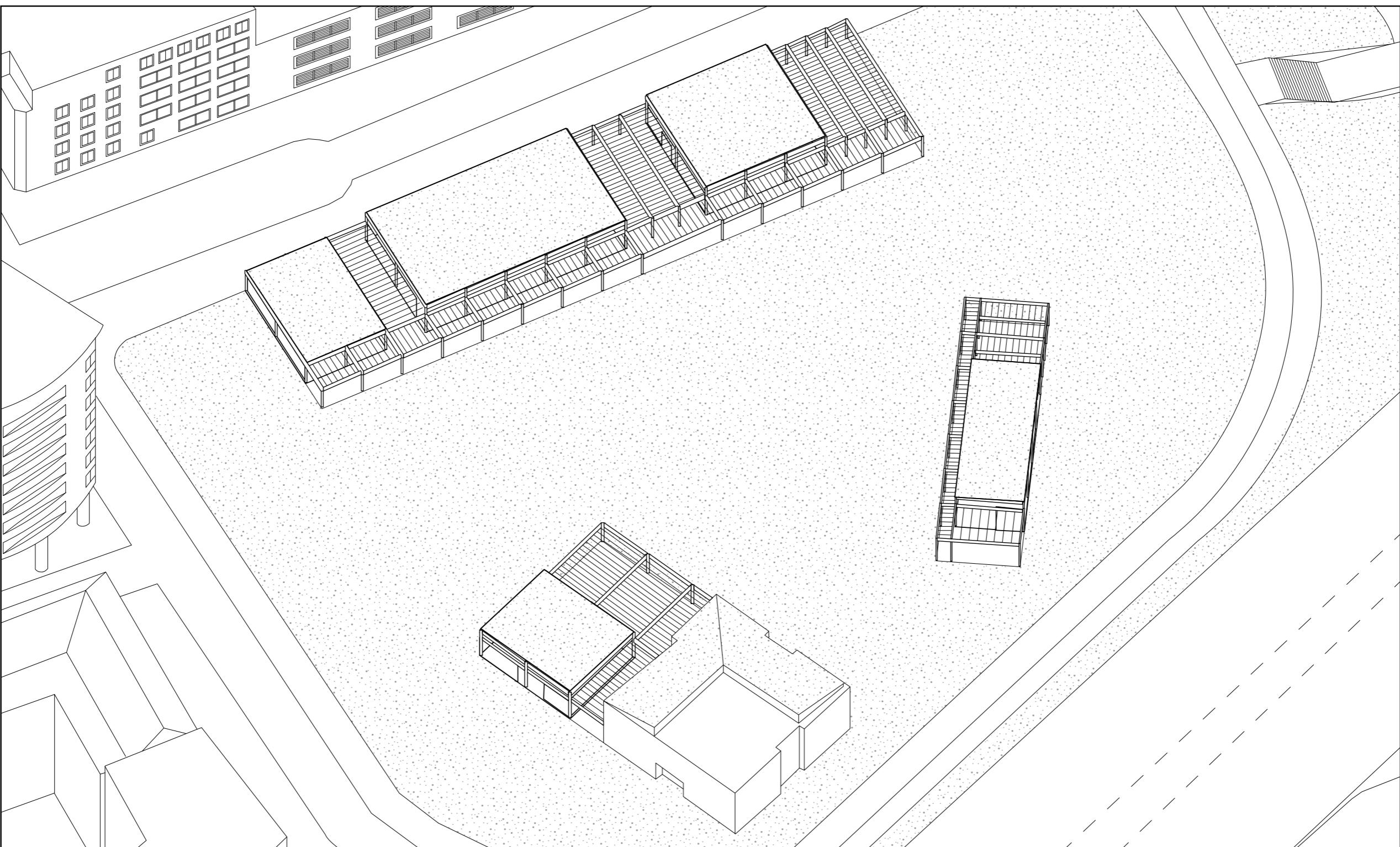
GLT wall



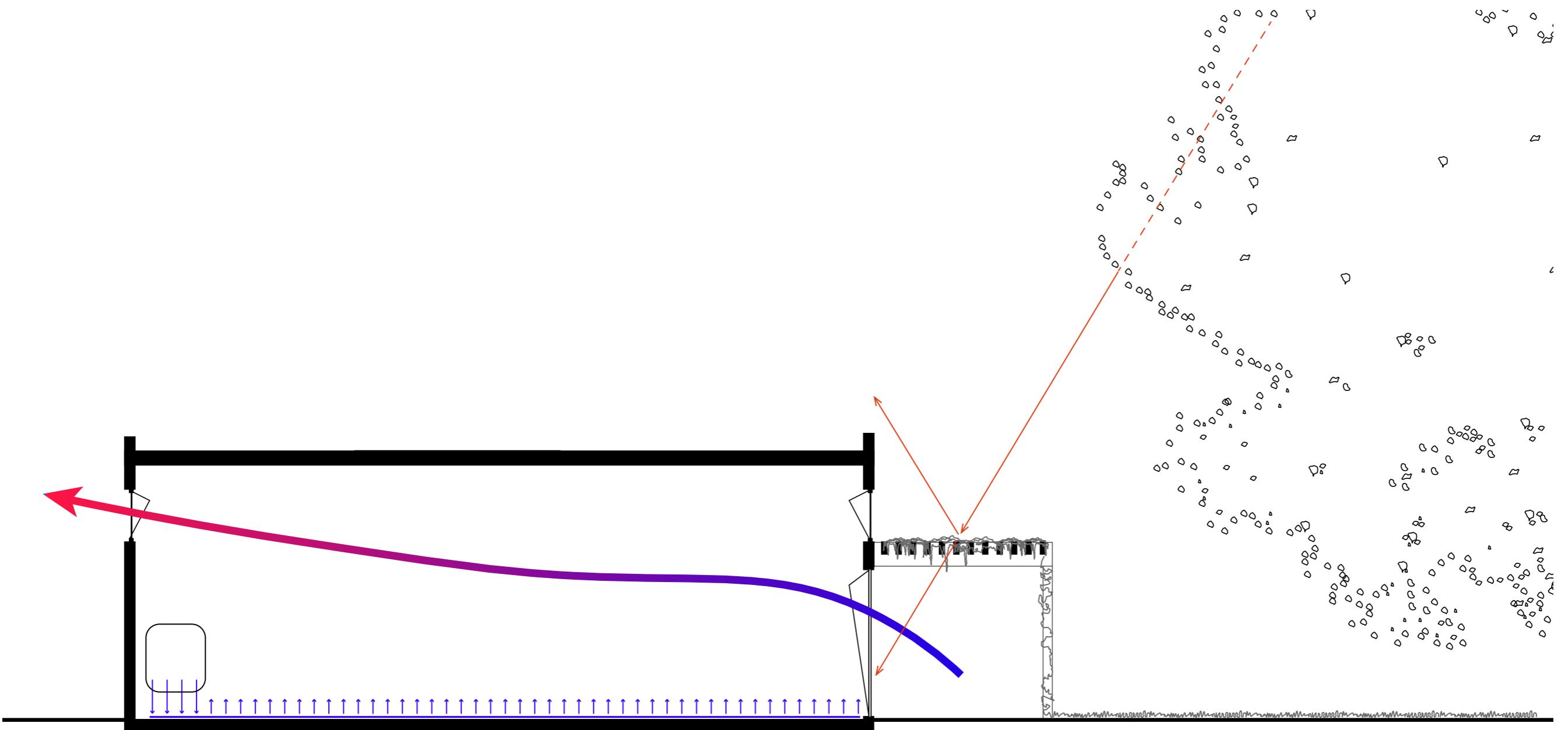
Secondary beam



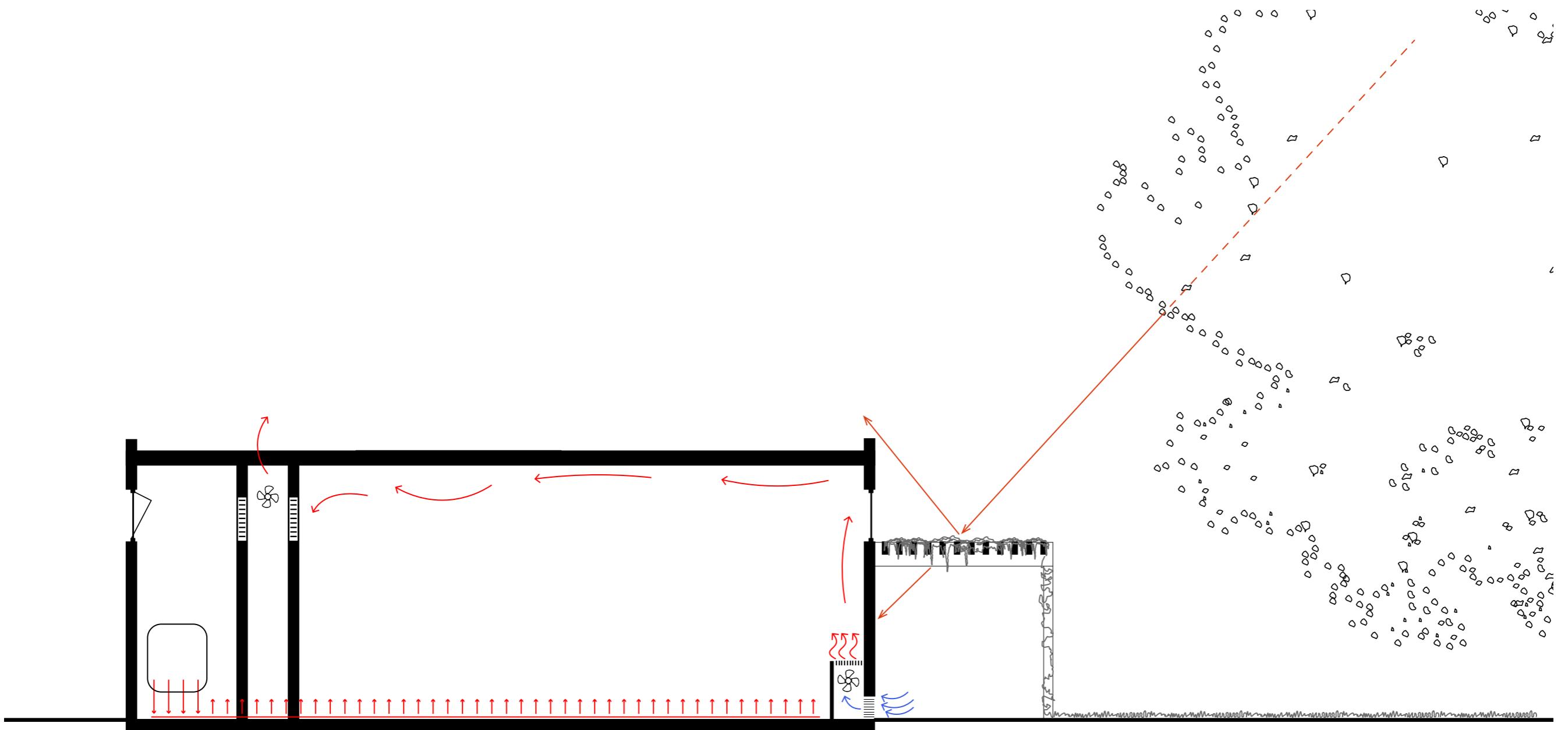
Roof beams



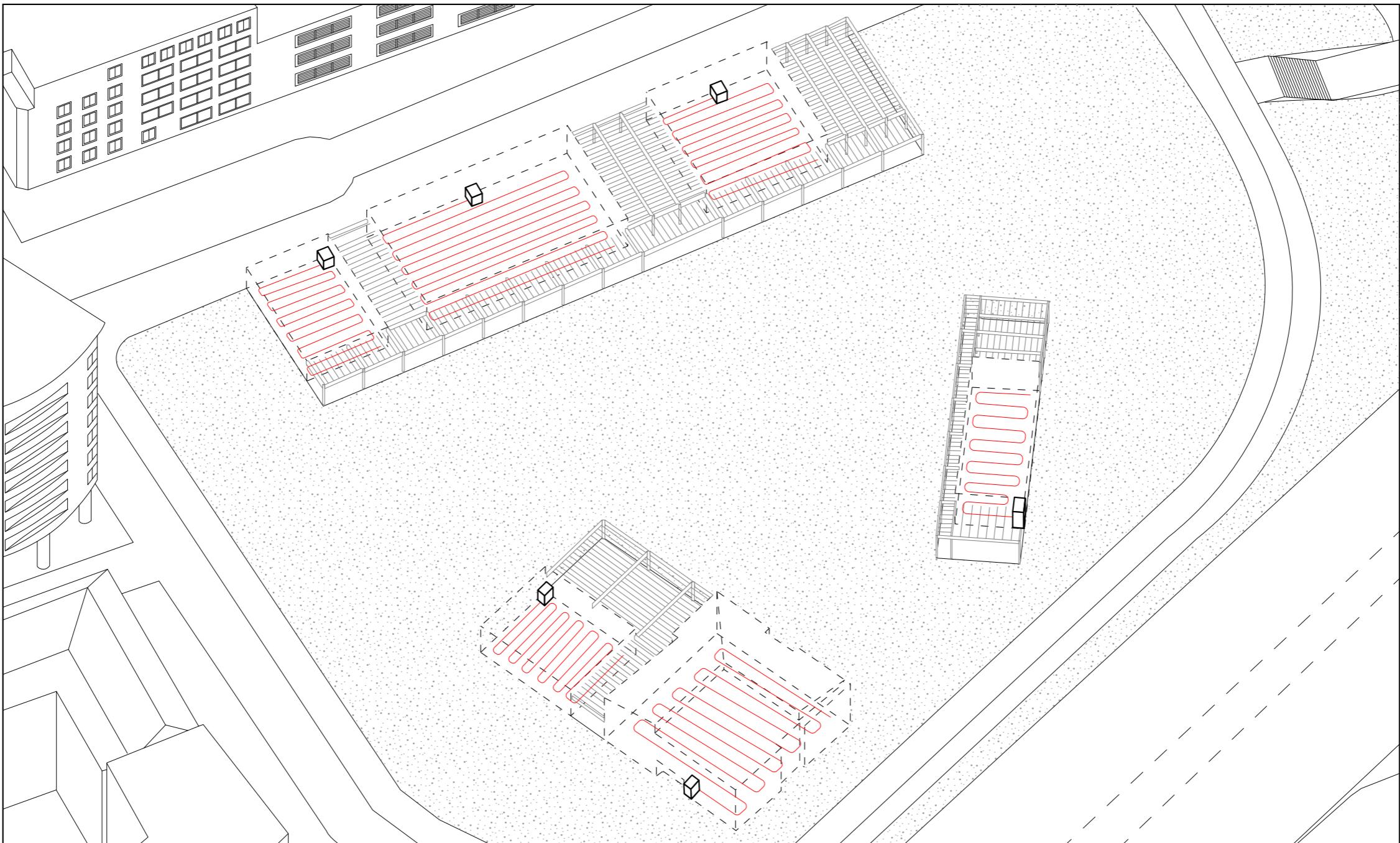
Green roof



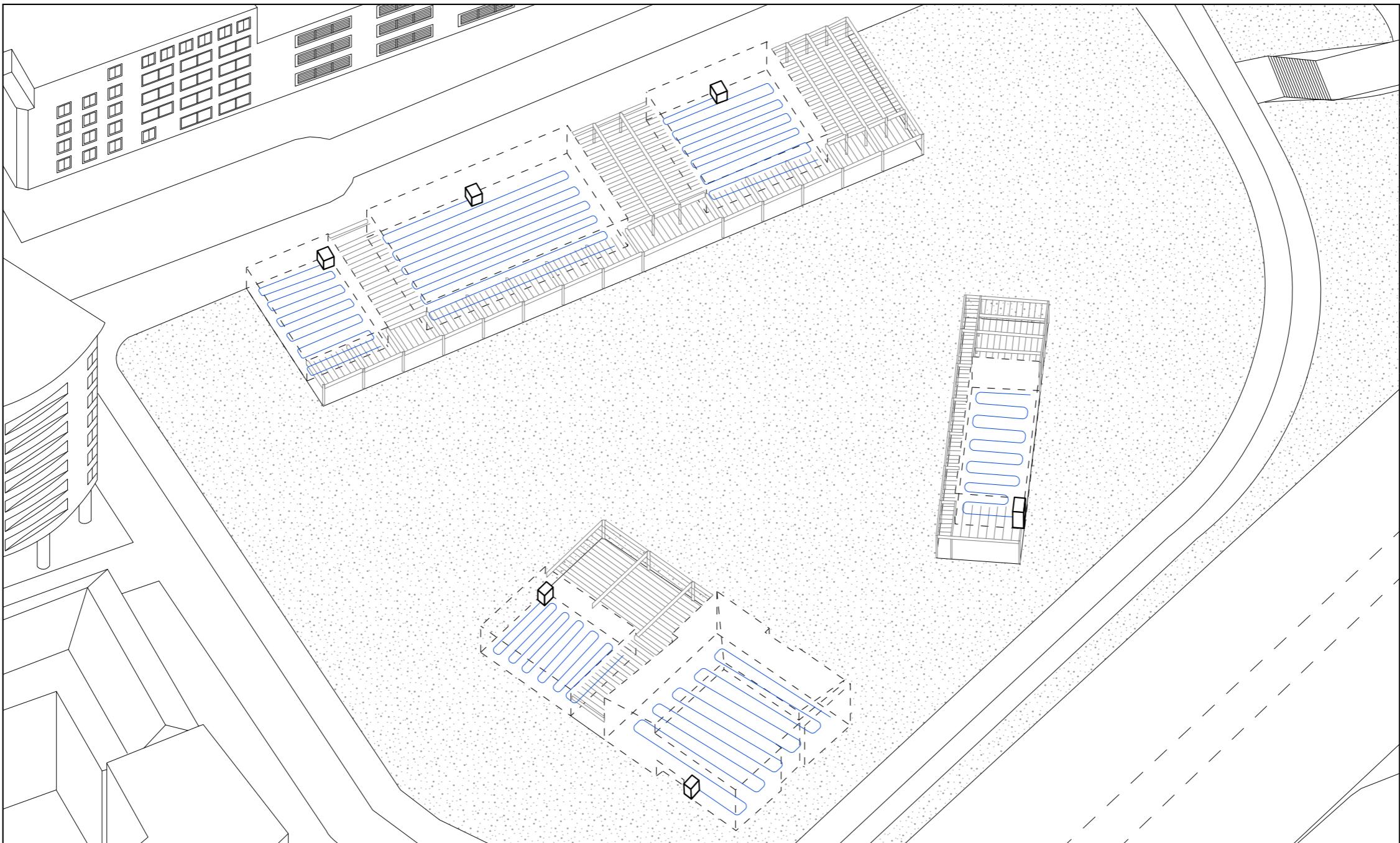
Summer



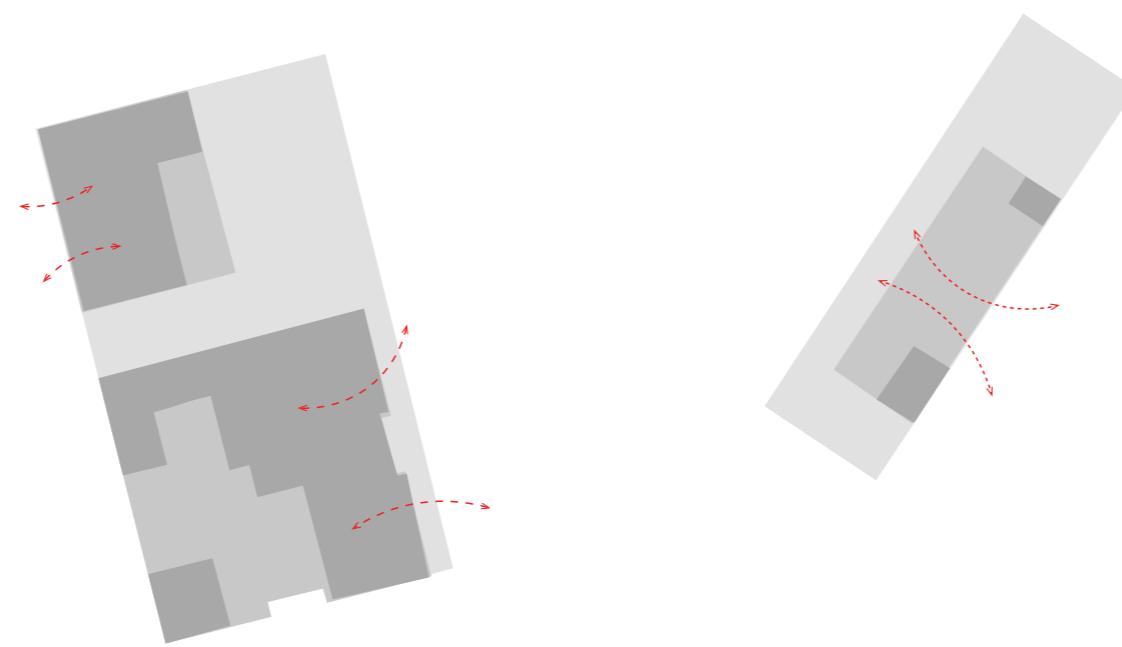
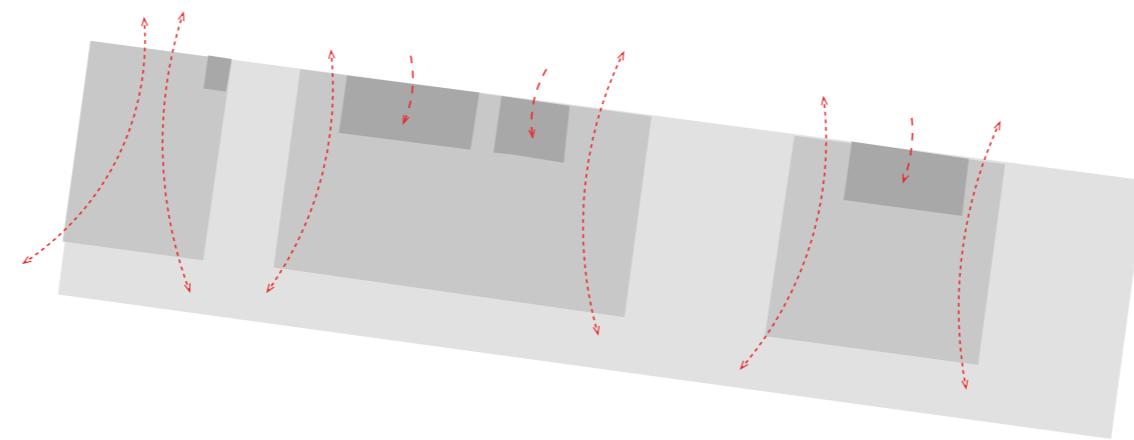
Winter



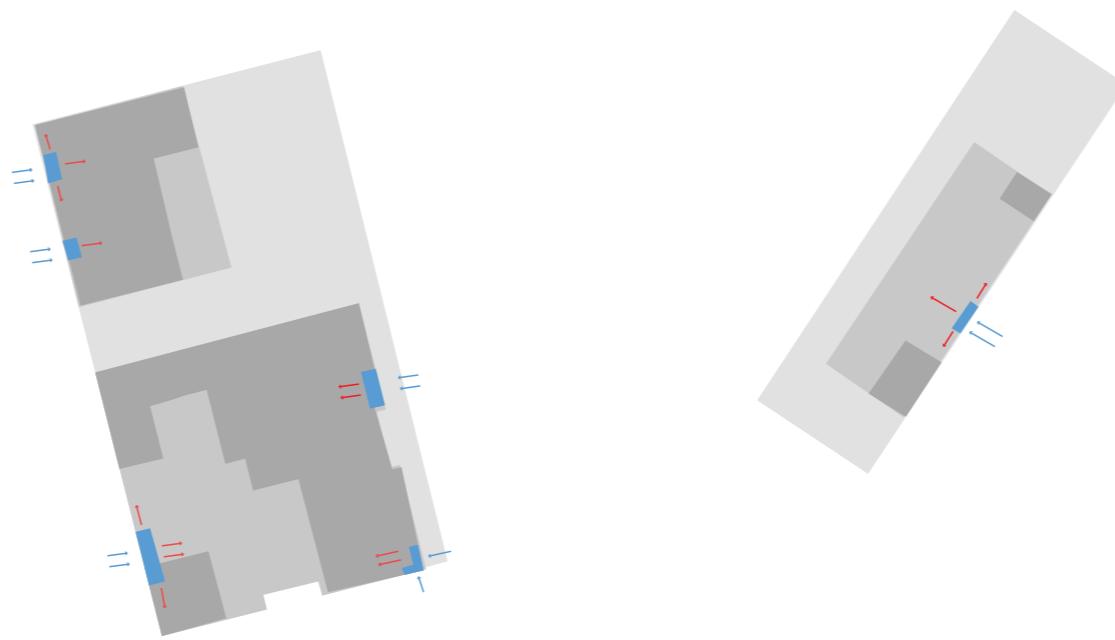
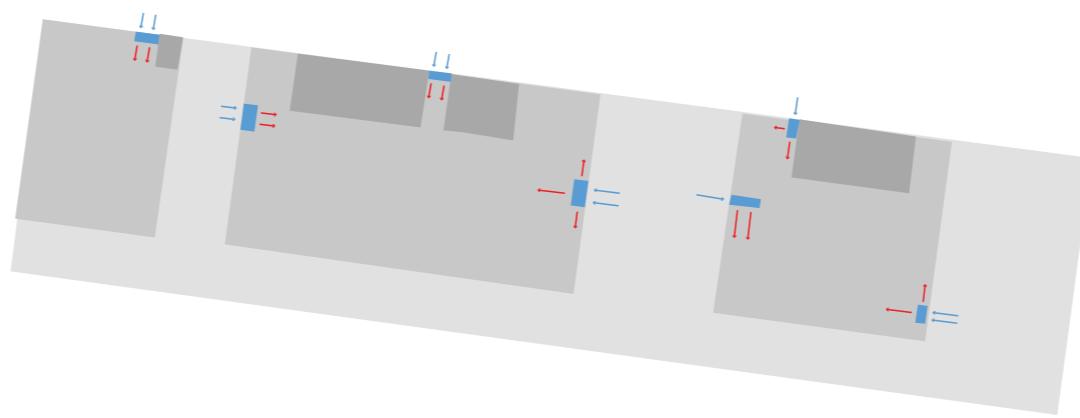
Individual heat pump for heating



Individual heat pump for cooling



Ventilation in summer



Ventilation in winter (air extract unit)

6. Review

Review the intervention in an urban scale



Overall section1



Overall section2



Before intervention



After intervention



Thanks

2020.01.29