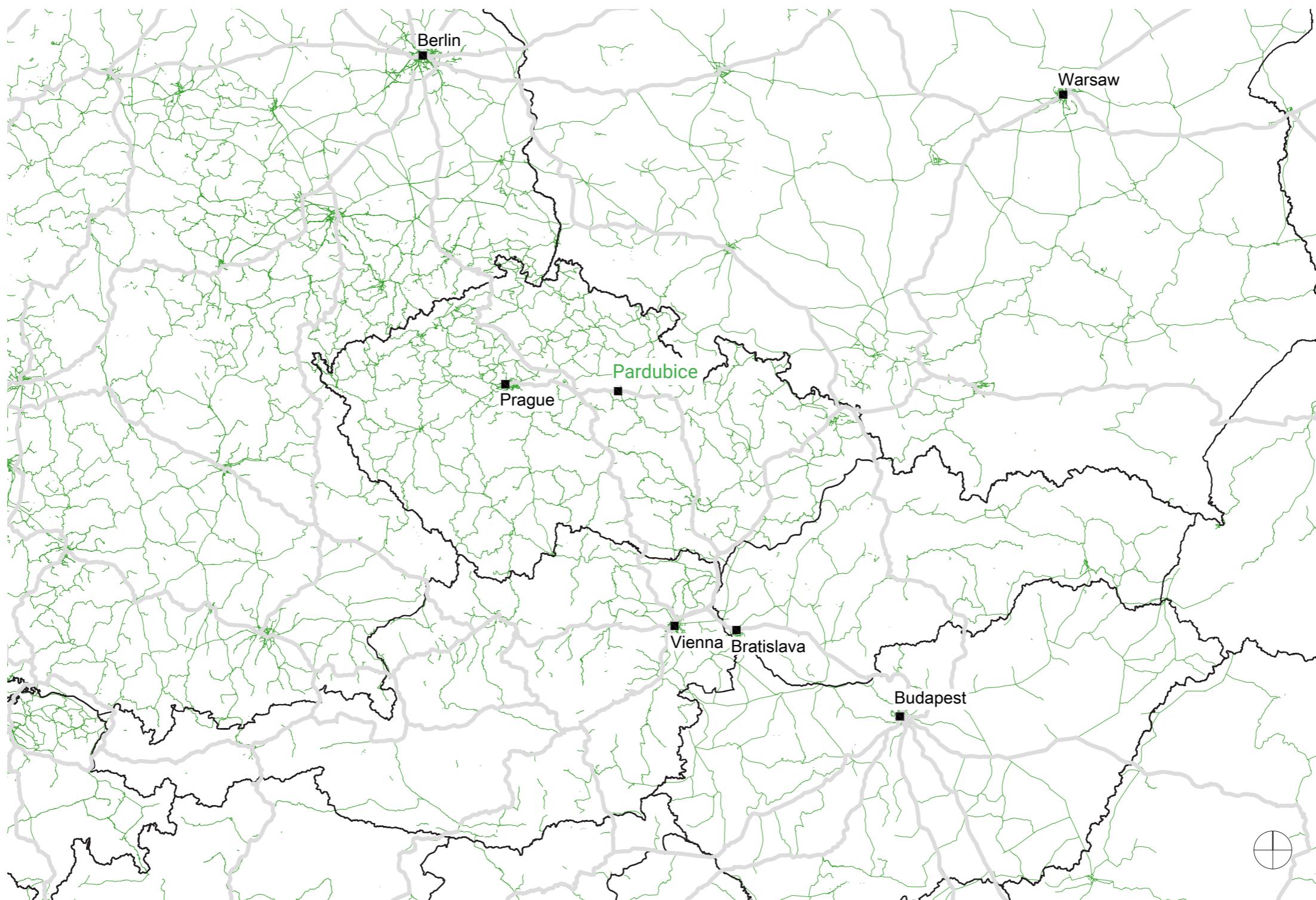
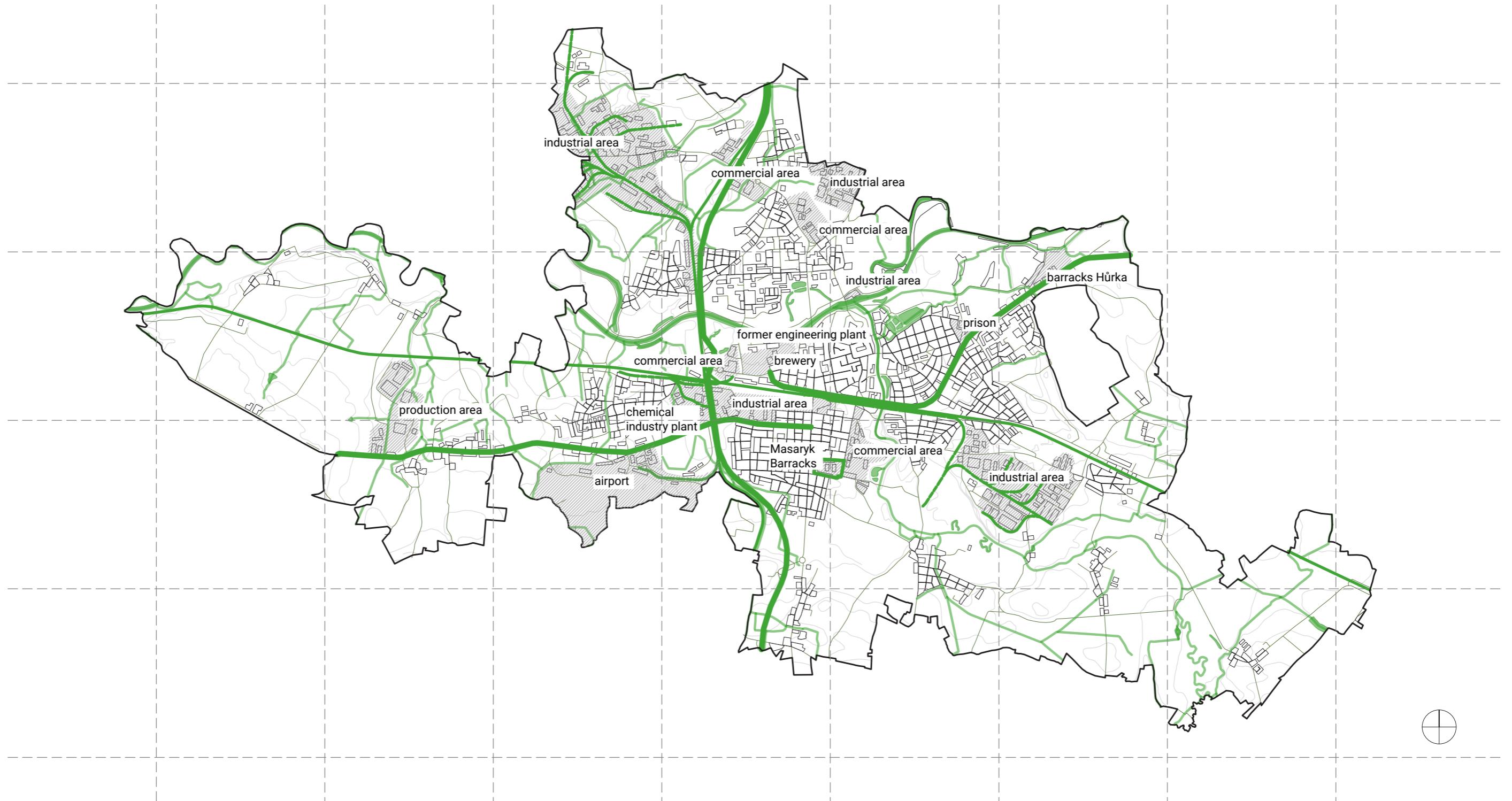




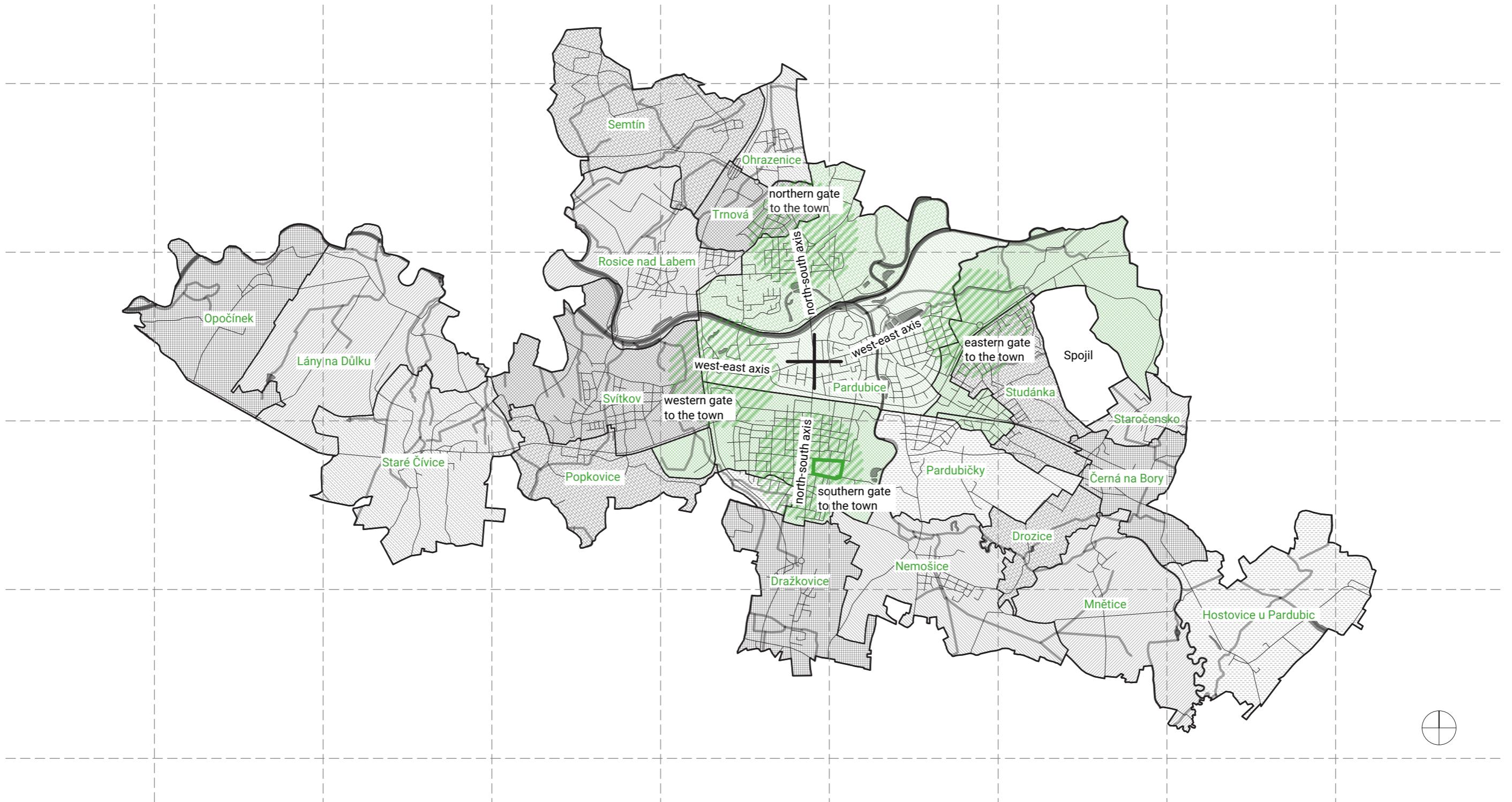
POST-MILITARY LANDSCAPES  
Future and Transformation of Masaryk Barracks in Pardubice



railroad map



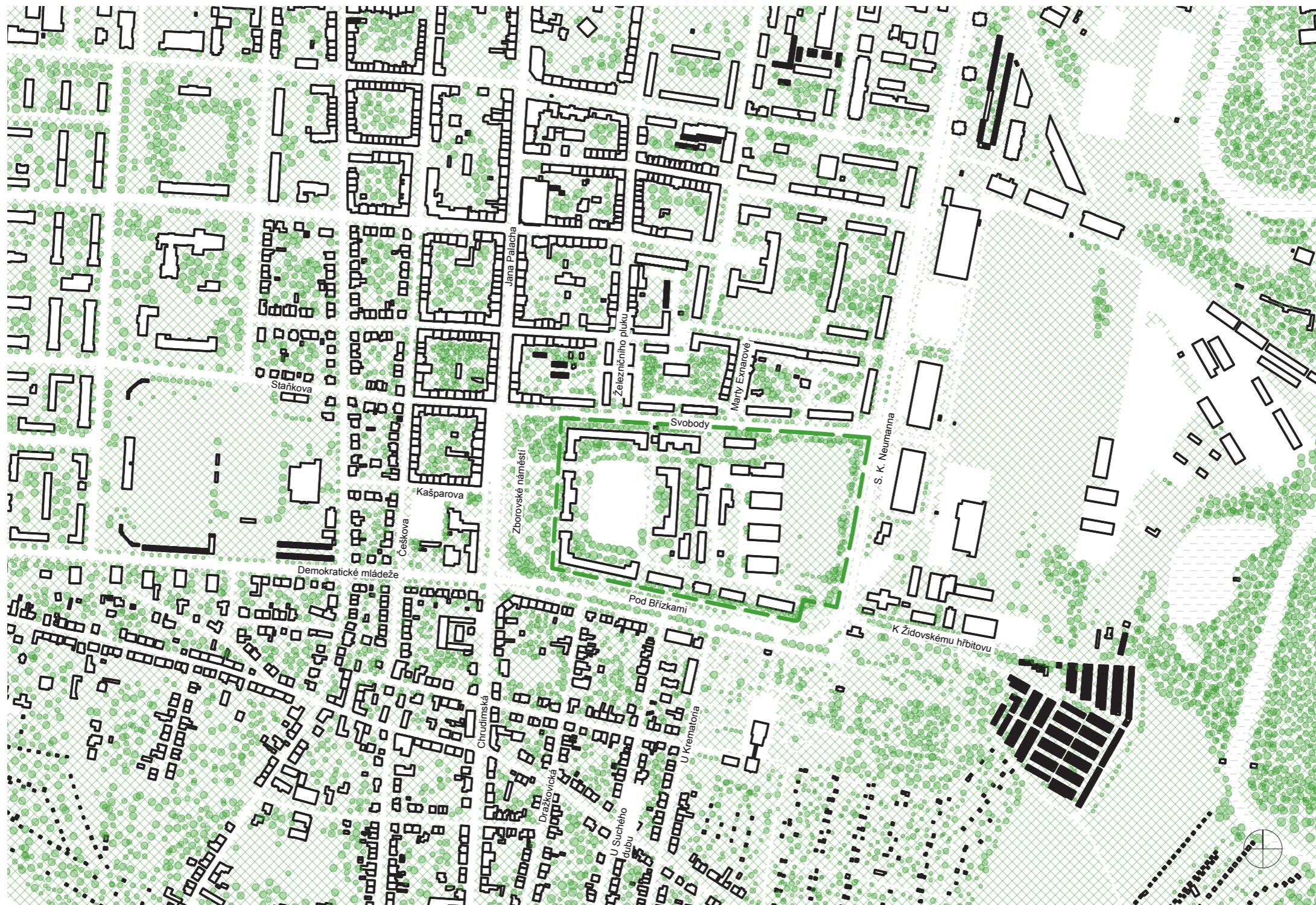
brownfields and barriers in Pardubice



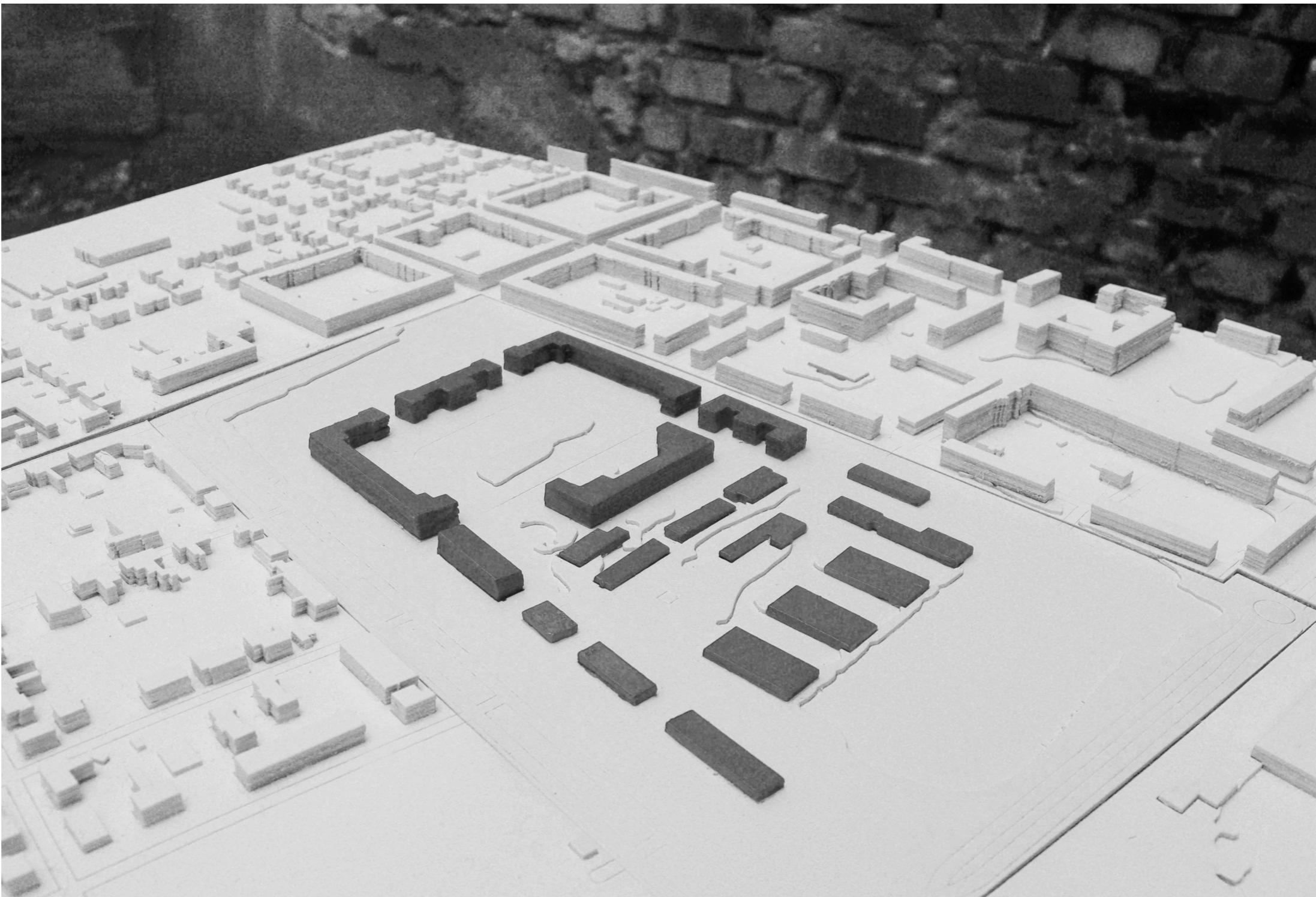
urban axes, gates to the town



heritage protection in Pardubice



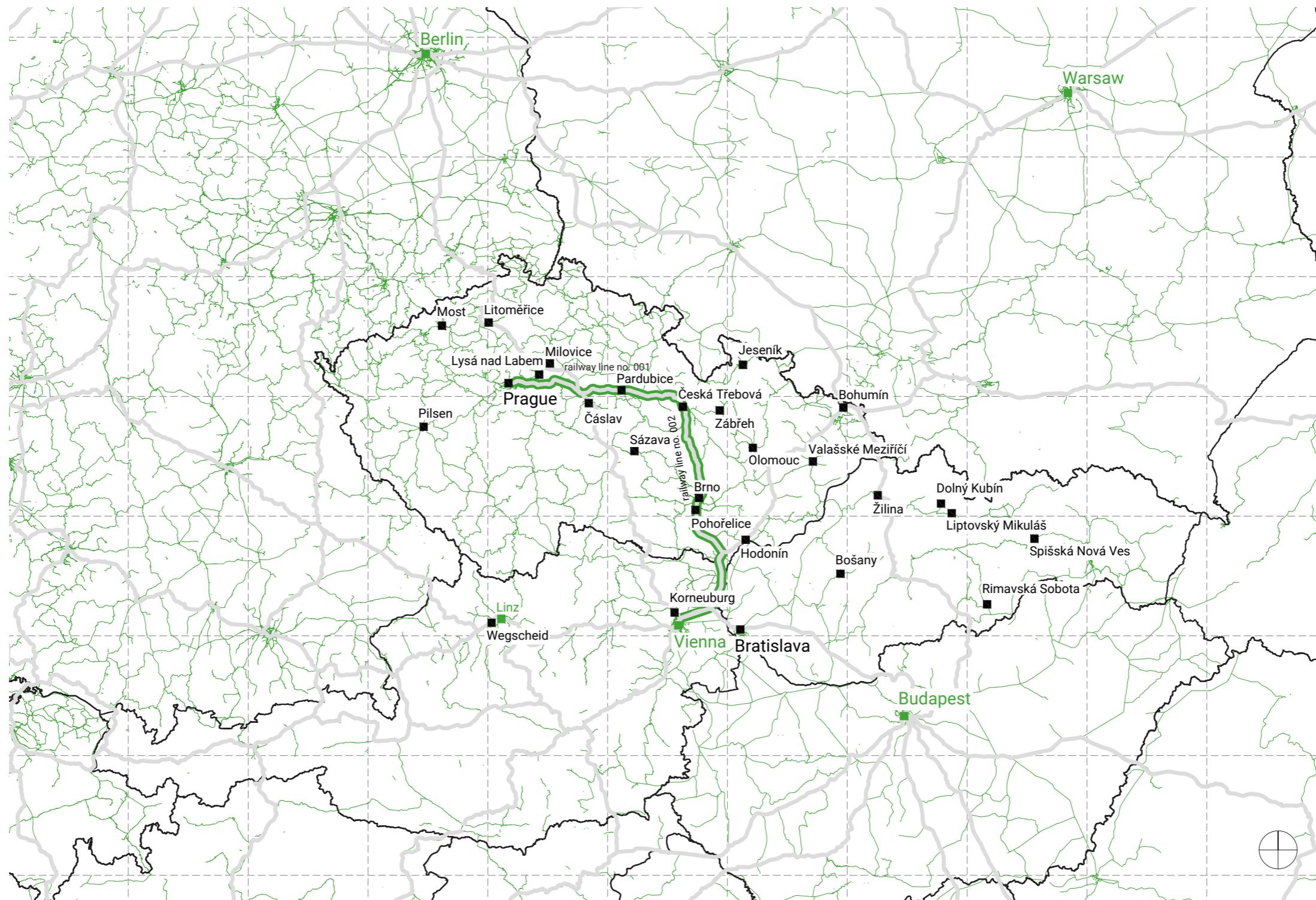
southern gate to the town, area of Masaryk Barracks



Masaryk Barracks, 1:2000 model

research question

What are the cultural heritage values of the Masaryk Barracks,  
how are the barracks perceived, and what are the reasons for their  
adaptive use?



railway regiment units

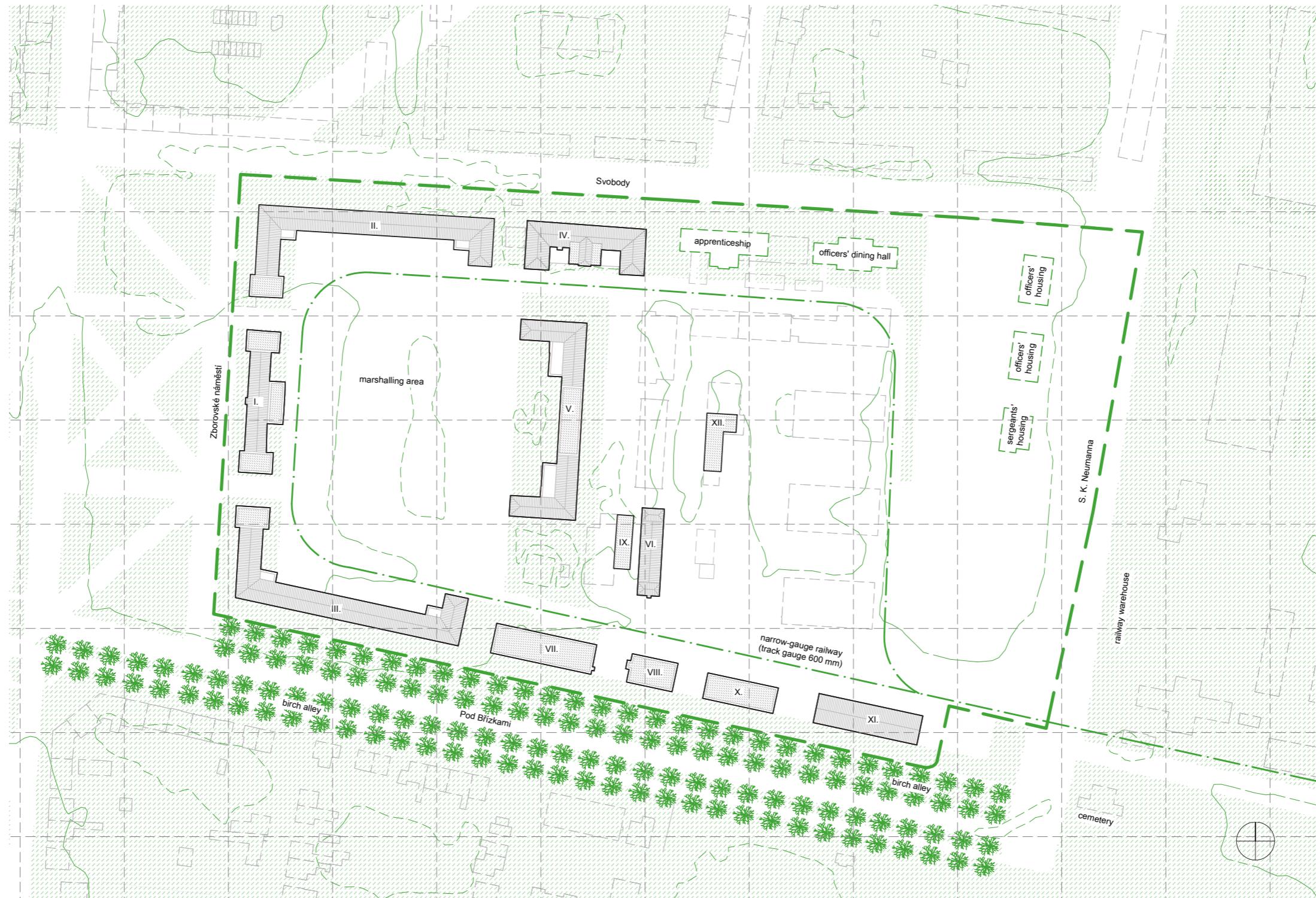


narrow-gauge railways (600 mm) in Pardubice in 1929



kleine Baraken ~ small barracks

In: Barakenstadt des k. u. k. Kriegsspitals in Pardubitz, Konsorciun für den Ausbau des Kriegsnotspitals in Pardubitz, 1915.



Masaryk Barracks fenced and lined with birch alleys, 1933  
two symmetrical entrances



ulice Pod Břízkami ~ Under the Birches Street, narrow-gauge railway, birch alley  
1940, PO-P1-006031, Východočeské muzeum v Pardubicích, fotoarchiv, pohlednice.



marshalling space  
Josef Deyl, 1928, FA-P-05165, Východočeské muzeum v Pardubicích, fotoarchiv.



library  
In: Železniční pluk: 1918-1931, Pardubice: Důstojnický sbor Železničního pluku, 1931.



tree planting  
Josef Deyl, 1935, FA-P-05595, Východočeské muzeum v Pardubicích, fotoarchiv.



railway regiment in 1950s  
n. d., FA-P-10373, Východočeské muzeum v Pardubicích, fotoarchiv.



the last year of use of the barracks  
Ministry of Defence, Masaryk Barracks, 2011.

respondent 5

„Right now, the barracks act as a barrier.”



Masaryk Barracks in 2025  
fenced mostly inaccessible area

respondent 6

„It feels like an uninviting place.“



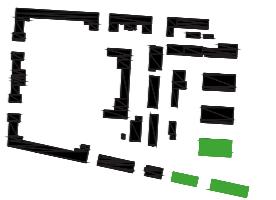
one of the originally two symmetrical entrances  
portable toilet (left), park and ride sign, 2024



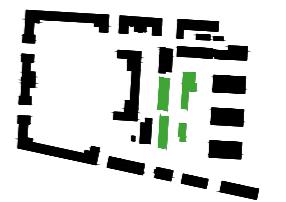
former marshalling space  
nowadays park and ride, 2024

respondent 2

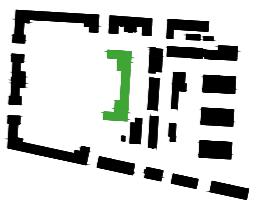
„The site has excellent potential.“



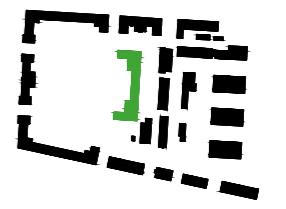
in between spaces  
unmaintained buildings, wooden coils, remnants of granite paving and asphalt, 2024



auxiliary buildings, 2024



hallway with hexagonal tiles, spherical pendant lighting fixtures, glass bricks *luxfera*  
Hászl, 2022



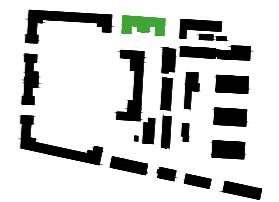
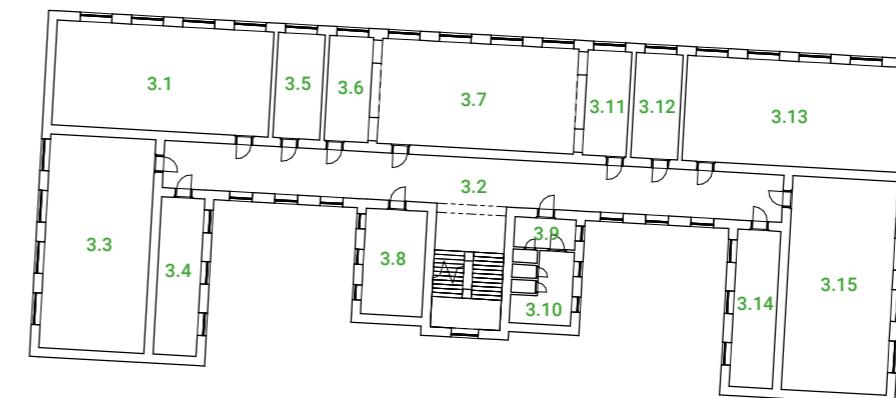
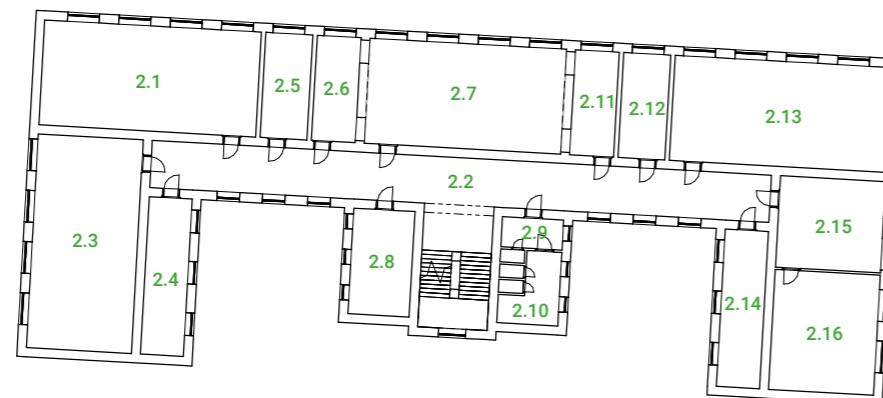
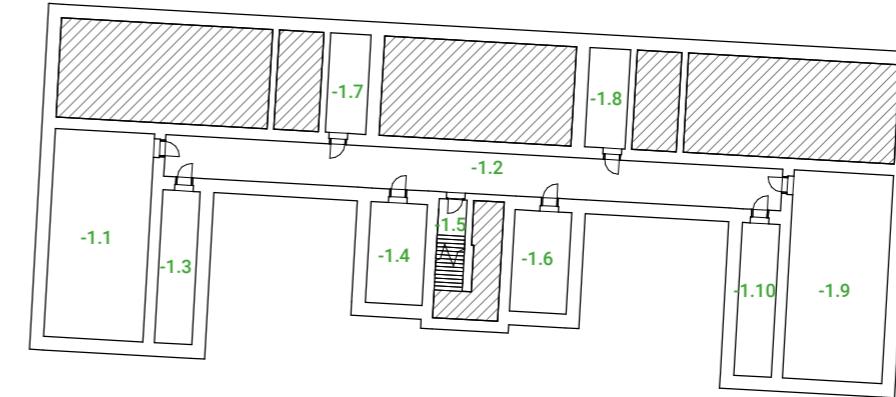
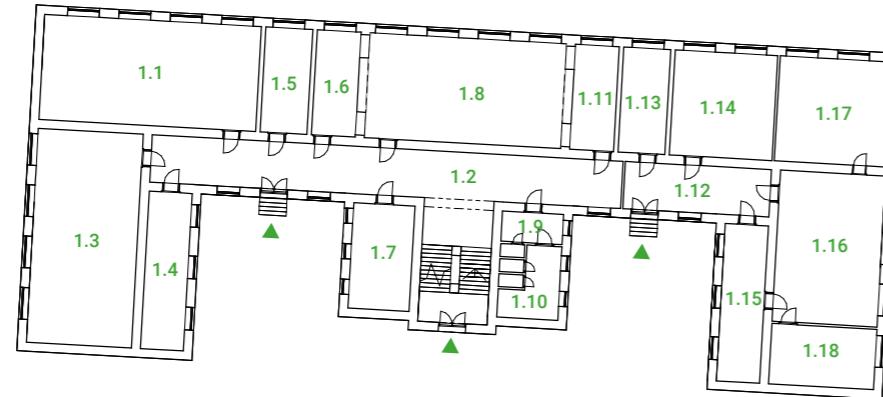
passage between buildings IV. and V., 2024



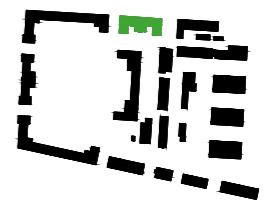
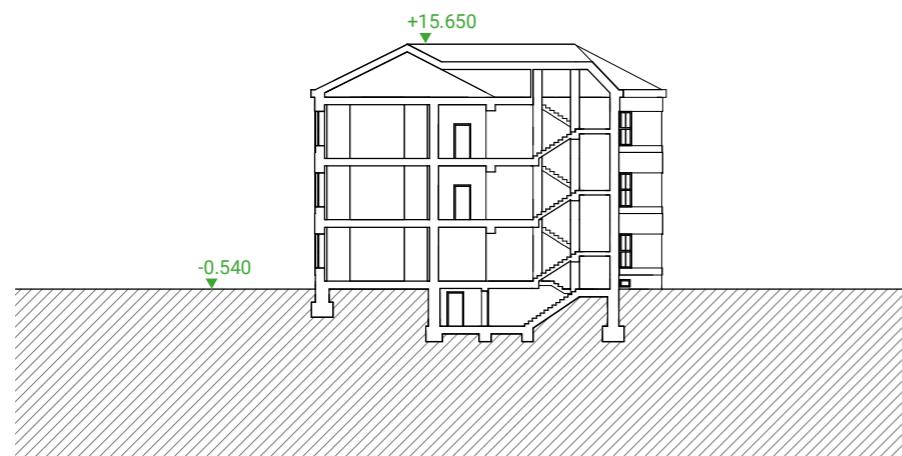
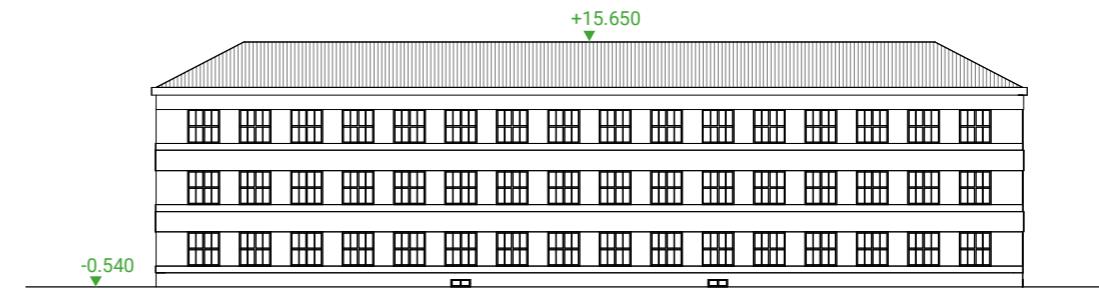
zoning studies not respecting the type and scale of existing urban structures,  
uncoordinated plans (elementary school, labour office and housing)  
demolition of Masaryk Barracks

respondent 1

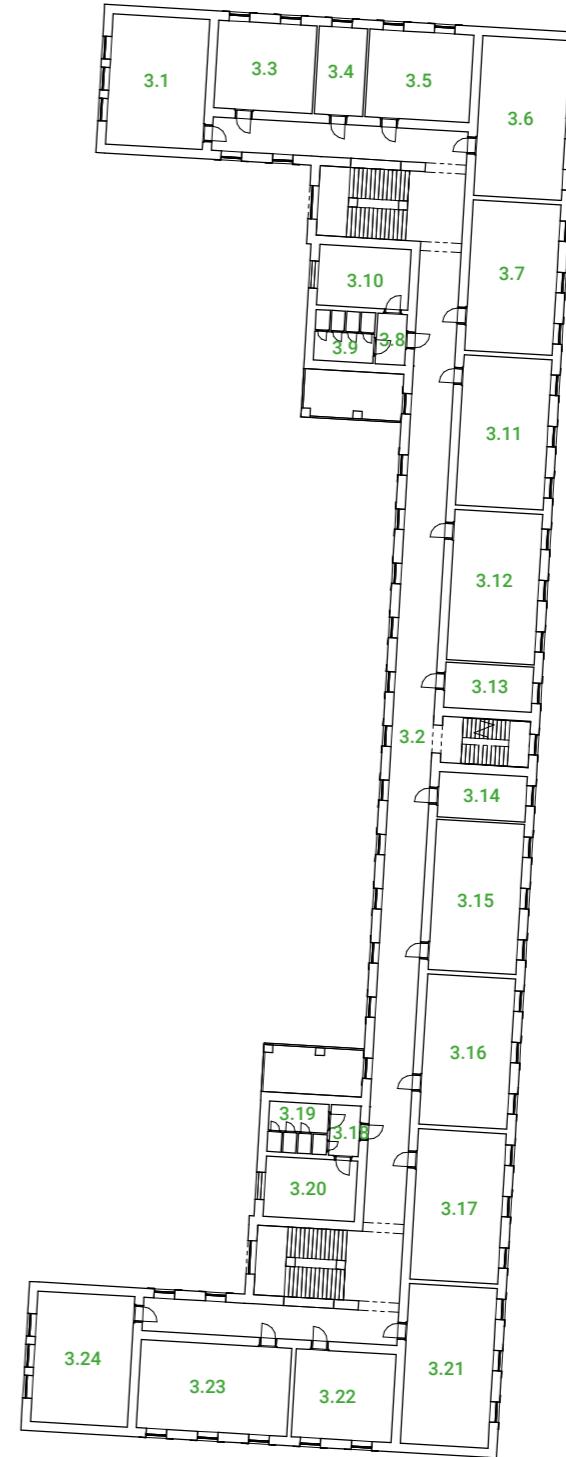
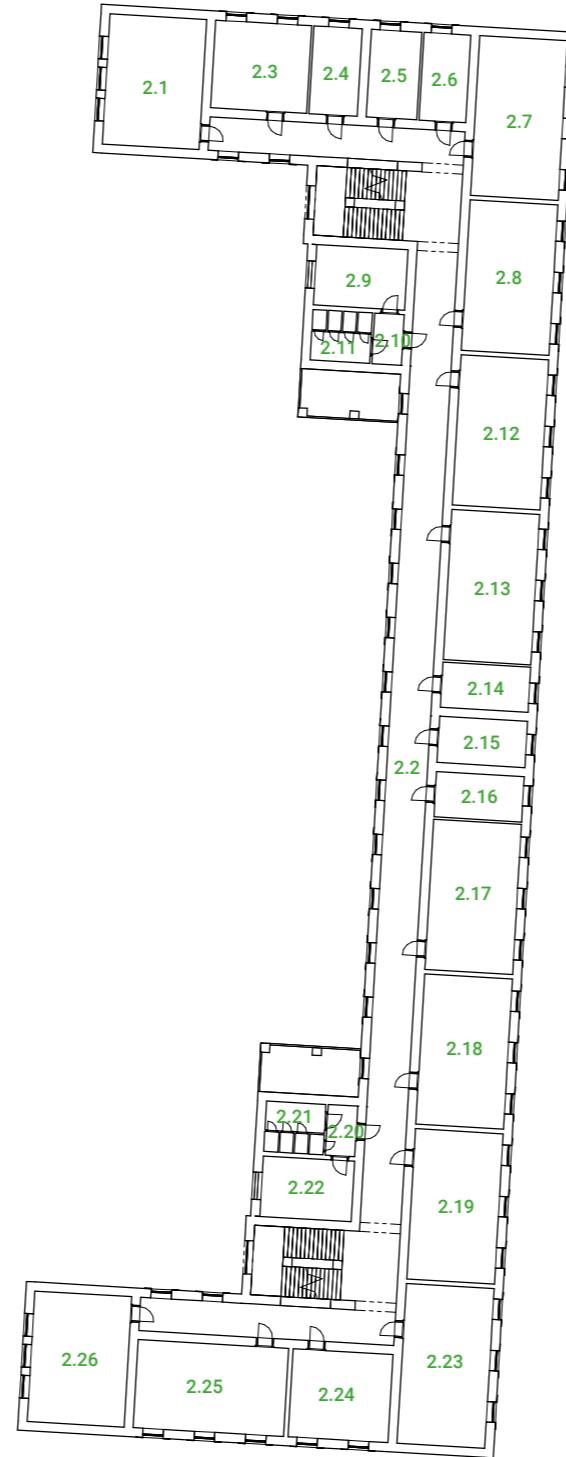
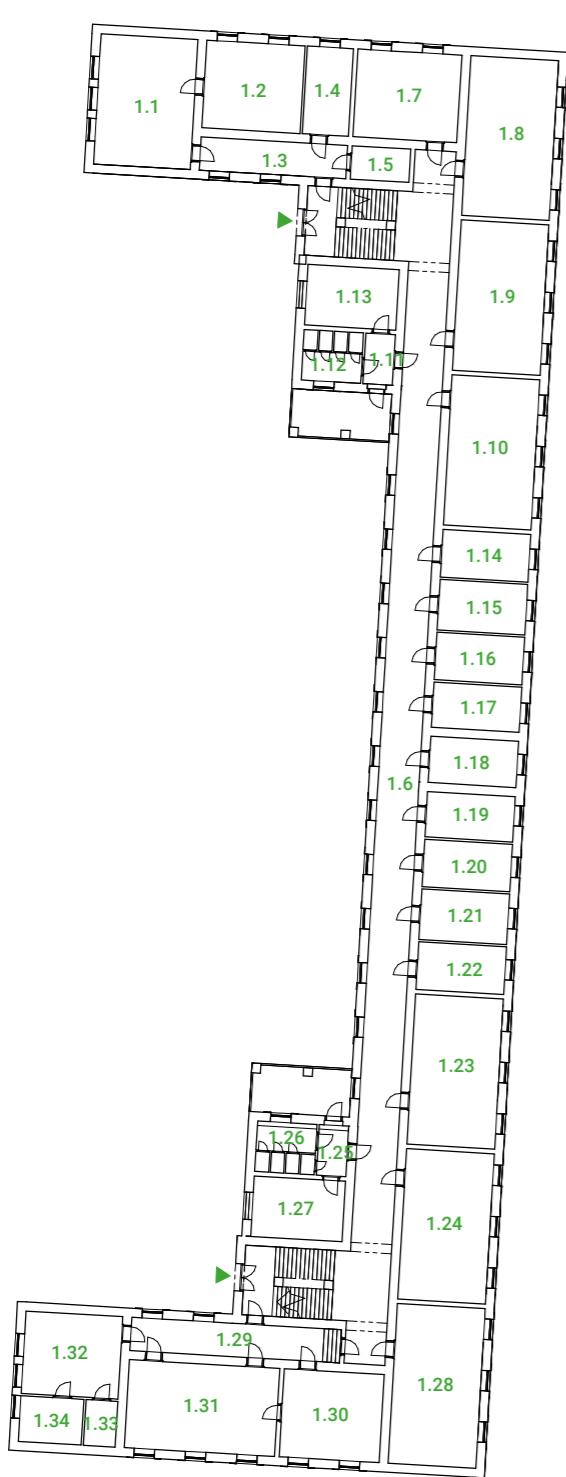
„Why demolish everything and rebuild from scratch when we already have structures that can be adapted?“



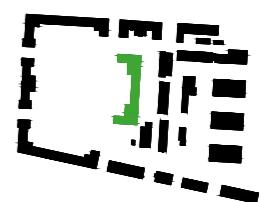
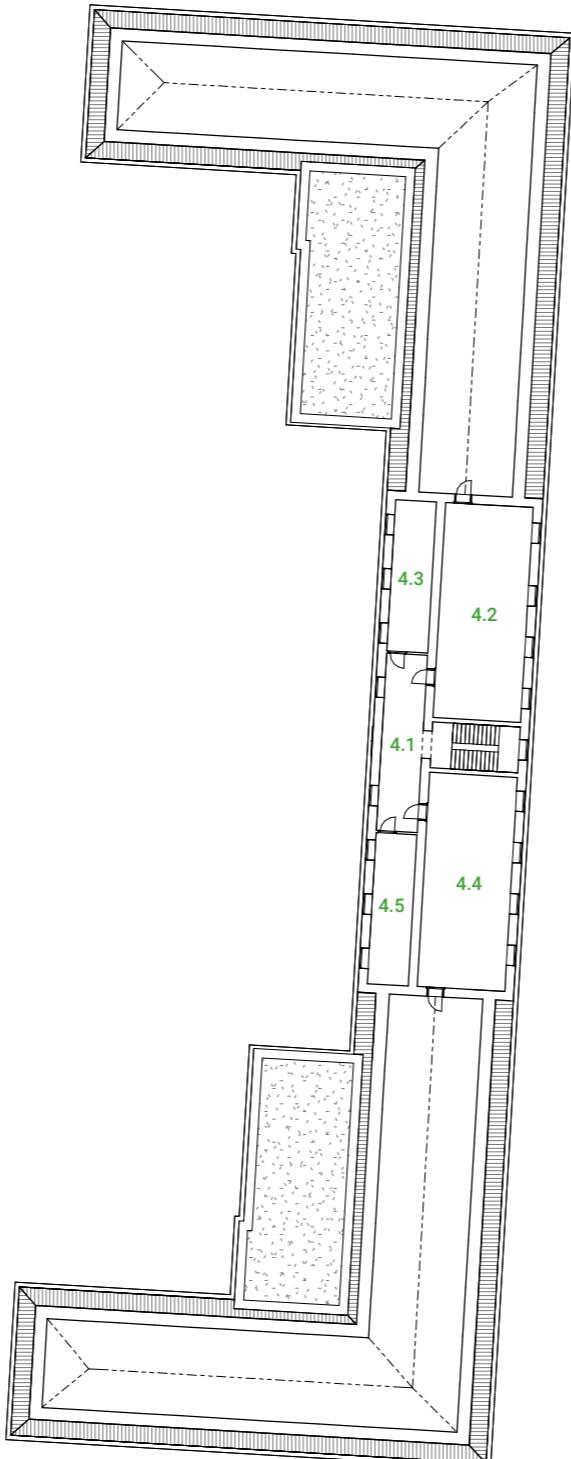
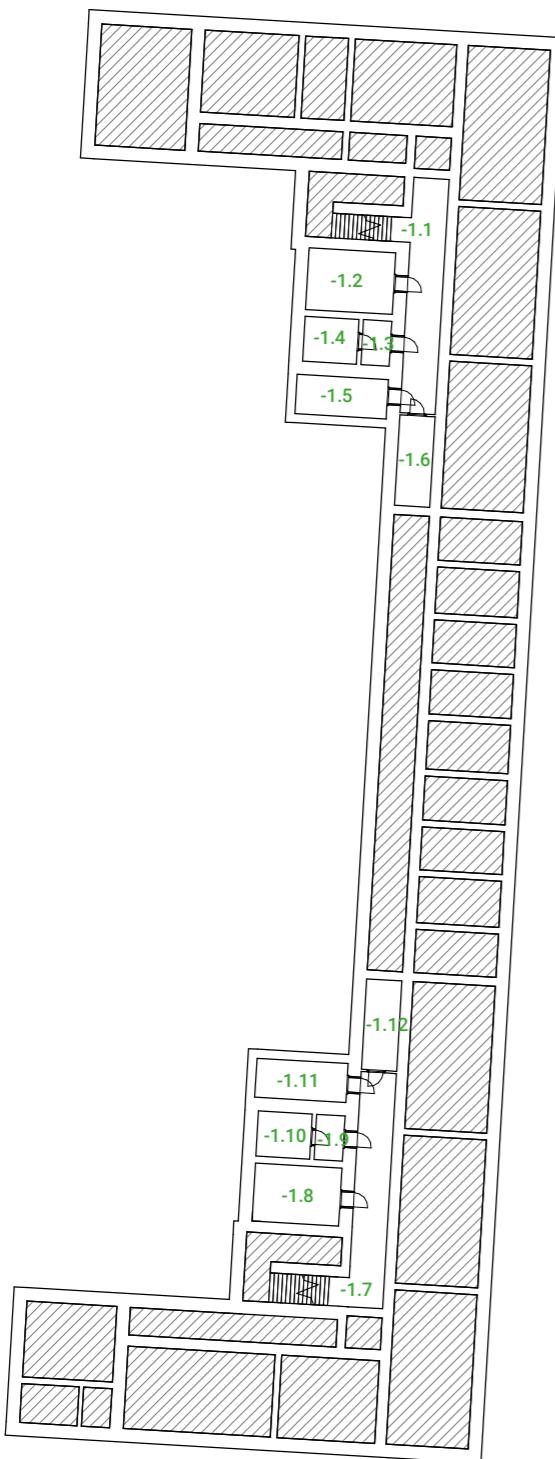
building IV. existing floor plans



building IV. existing elevations and sections



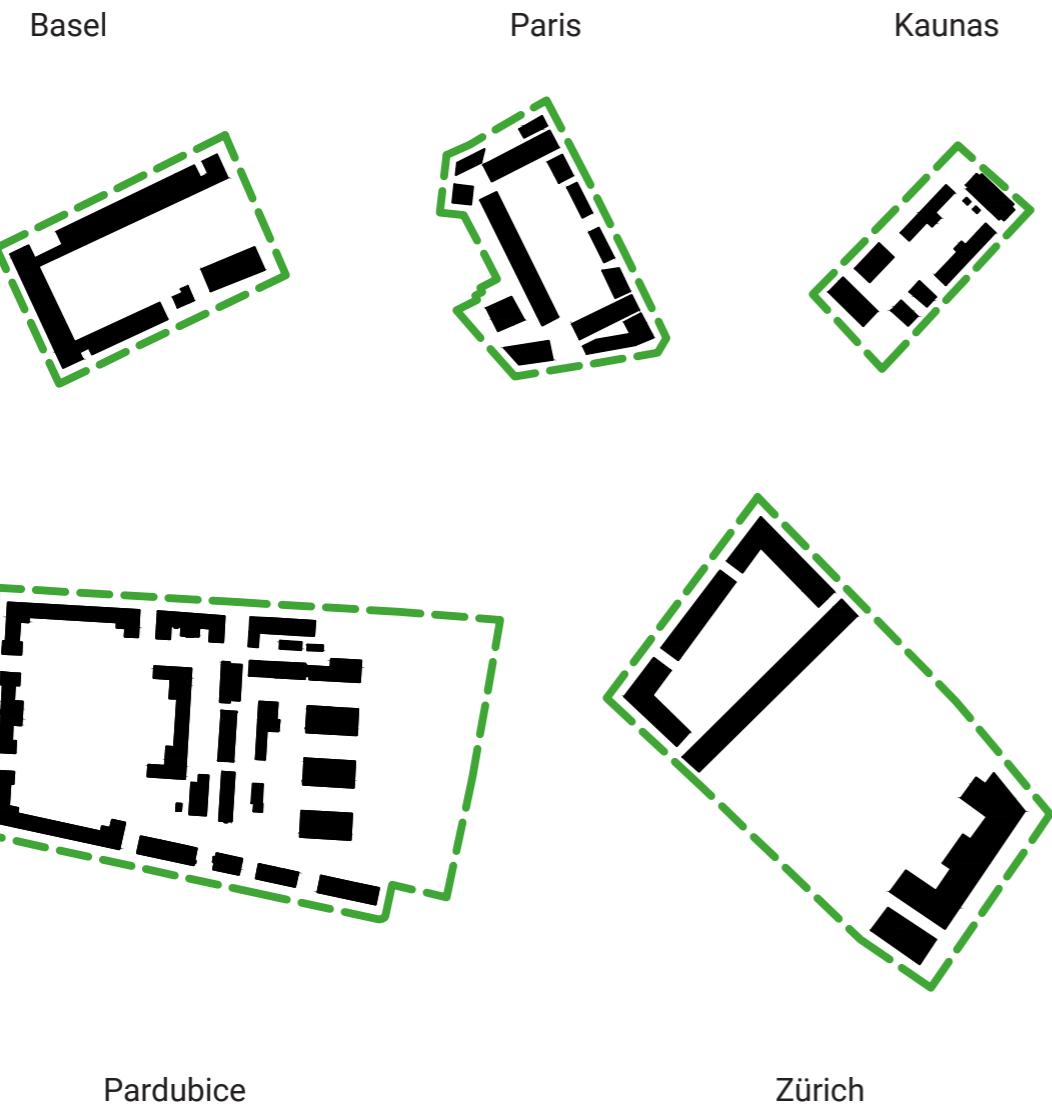
building V. existing floor plans



building V. existing floor plans



building V. existing elevations and sections

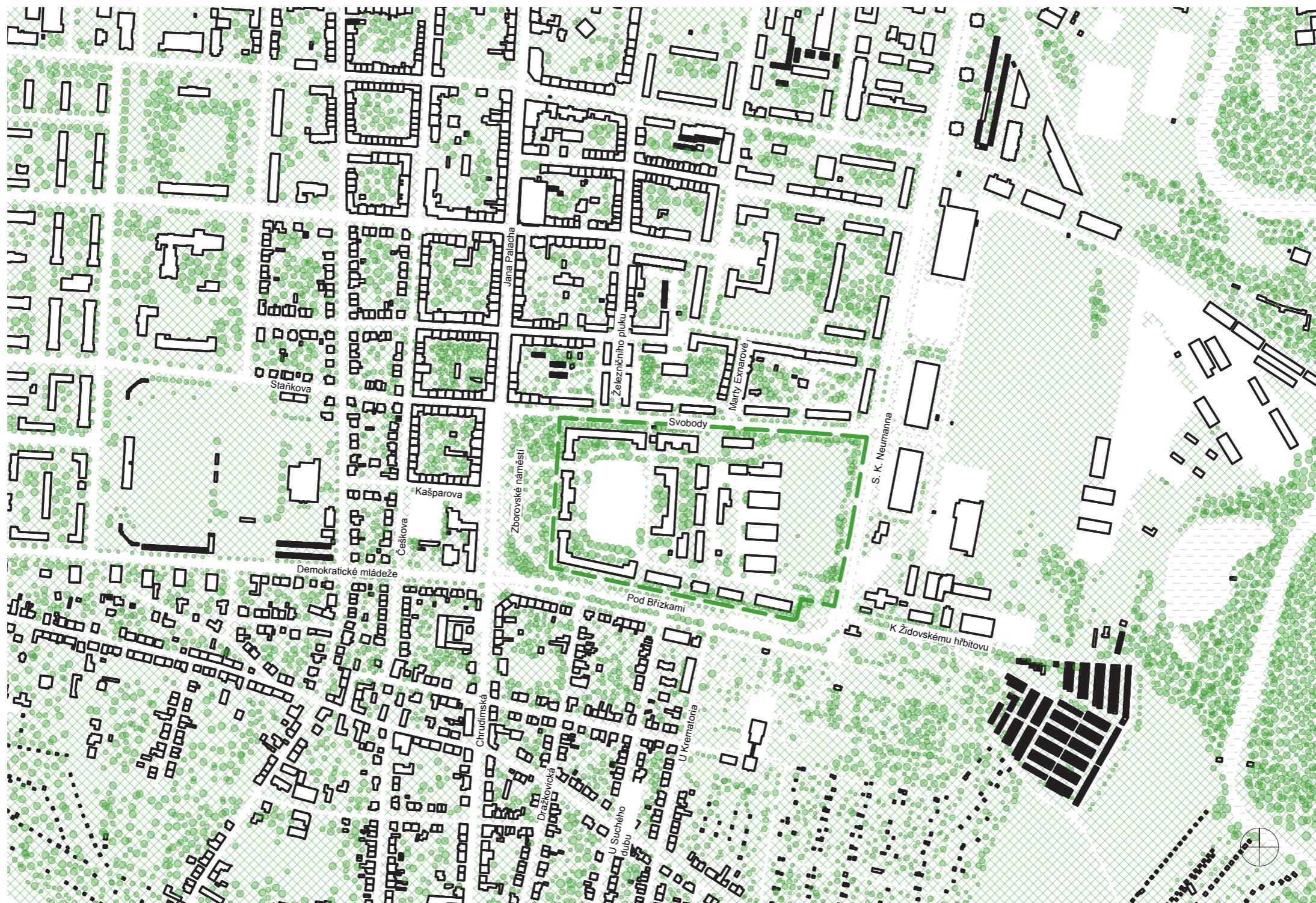


reference projects  
Simone Bossi, Caserne de Reuilly, Paris, 2024, digital photograph.

1. opening the site to the public
2. collaborative design
3. selective demolition
4. tree alley renewal
5. marshalling space to meadow transformation
6. continuity in scale and materiality
7. open interior spaces with columns
8. urban mining and reuse

research question

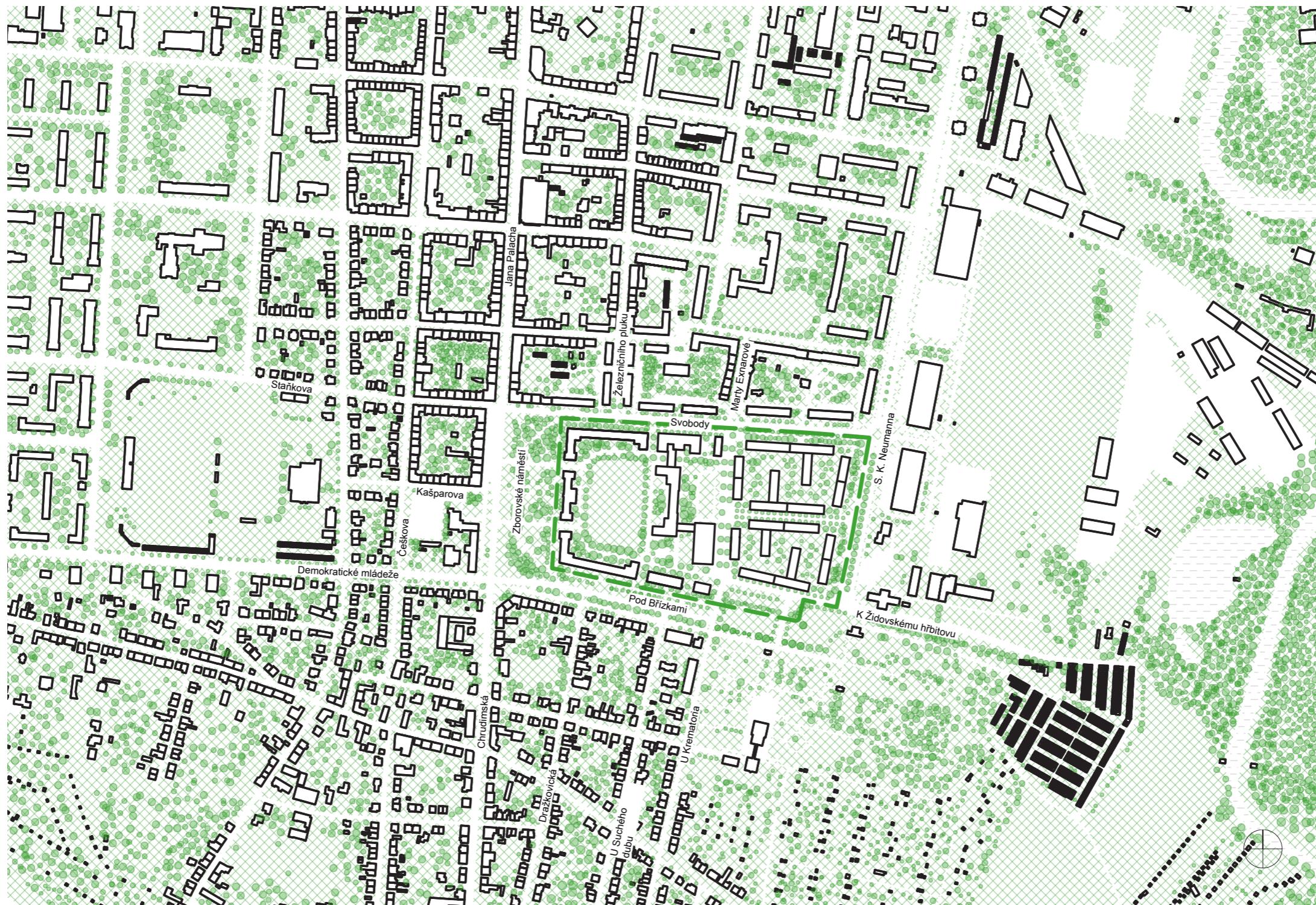
How to preserve cultural significance in adaptive reuse?



area of Masaryk Barracks in Pardubice

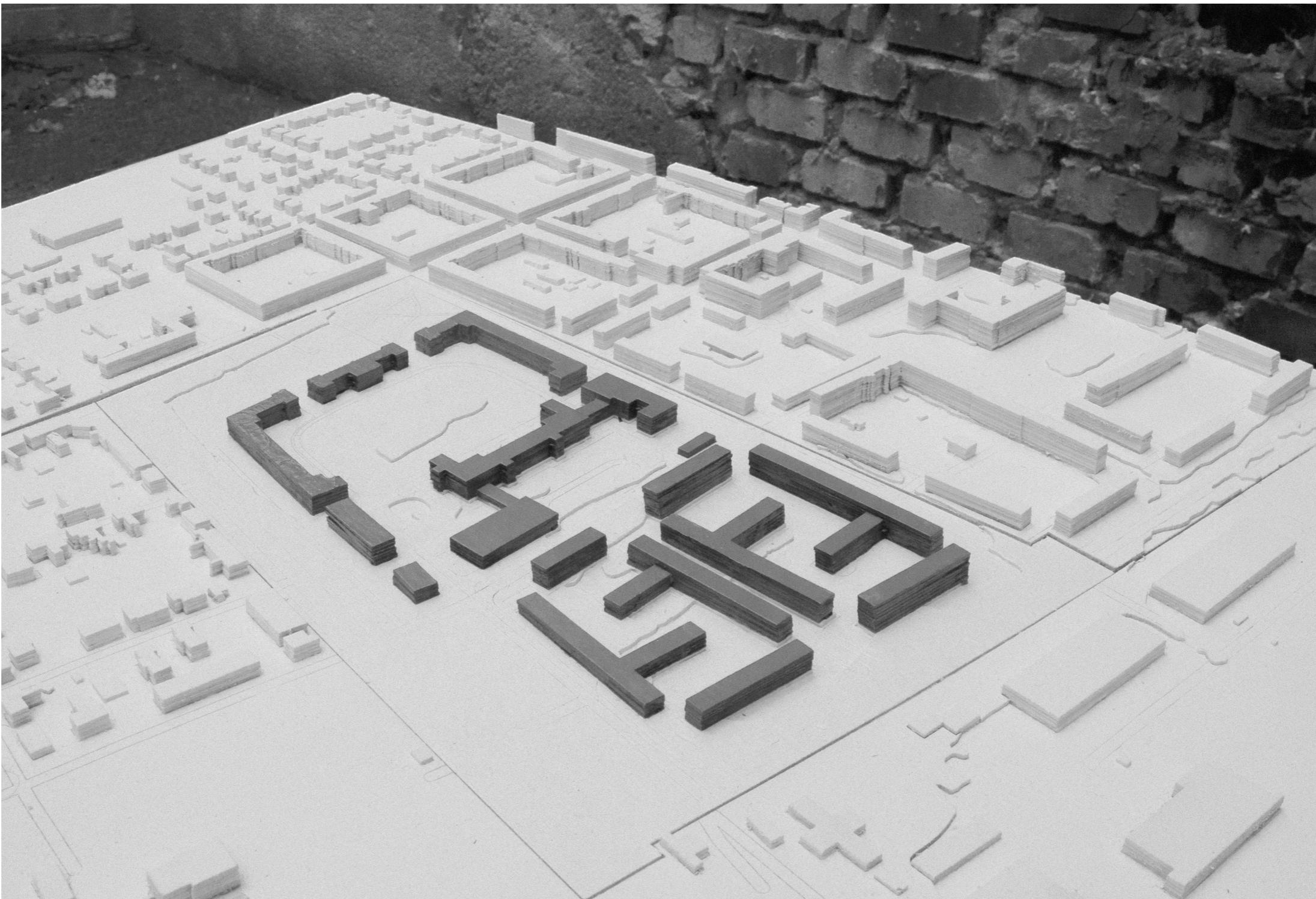


future plans for Masaryk Barracks



alternative plan

removal of fences, new street connections, juxtaposed yards, street line setback due to existing tree alley



1:2000 urban context model



Masaryk Barracks in 2025  
fenced mostly inaccessible area



restoration of two symmetrical western entrances, teardown of the auxiliary buildings to the east  
marking the route of the narrow-gauge railway, creation of a forecourt by the cemetery, new bus stations, functions



school grounds, new bus stop



traces of the narrow-gauge railway

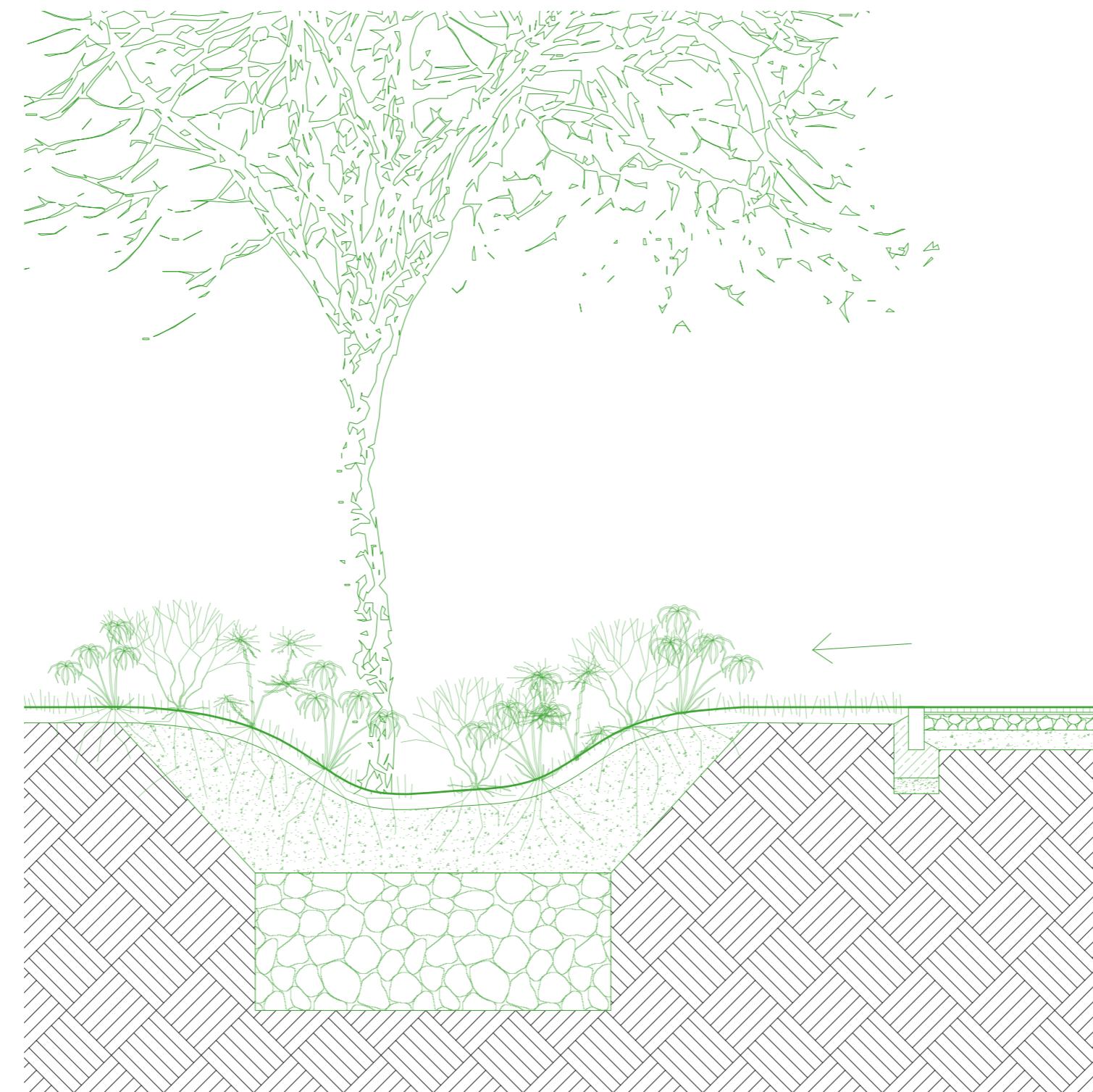


transforming the car park into a meadow lined with tree alleys and swales, heat island reduction  
*Acer platanoides, Platanus acerifolia, Tilia cordata*

topsoil  
sand layer  
gravel 63/150  
filter fleece  
subsoil

granite curbstone

granite paving  
gravel 4/8  
gravel 16/32  
gravel 0/8  
subsoil



a swale allowing water infiltration



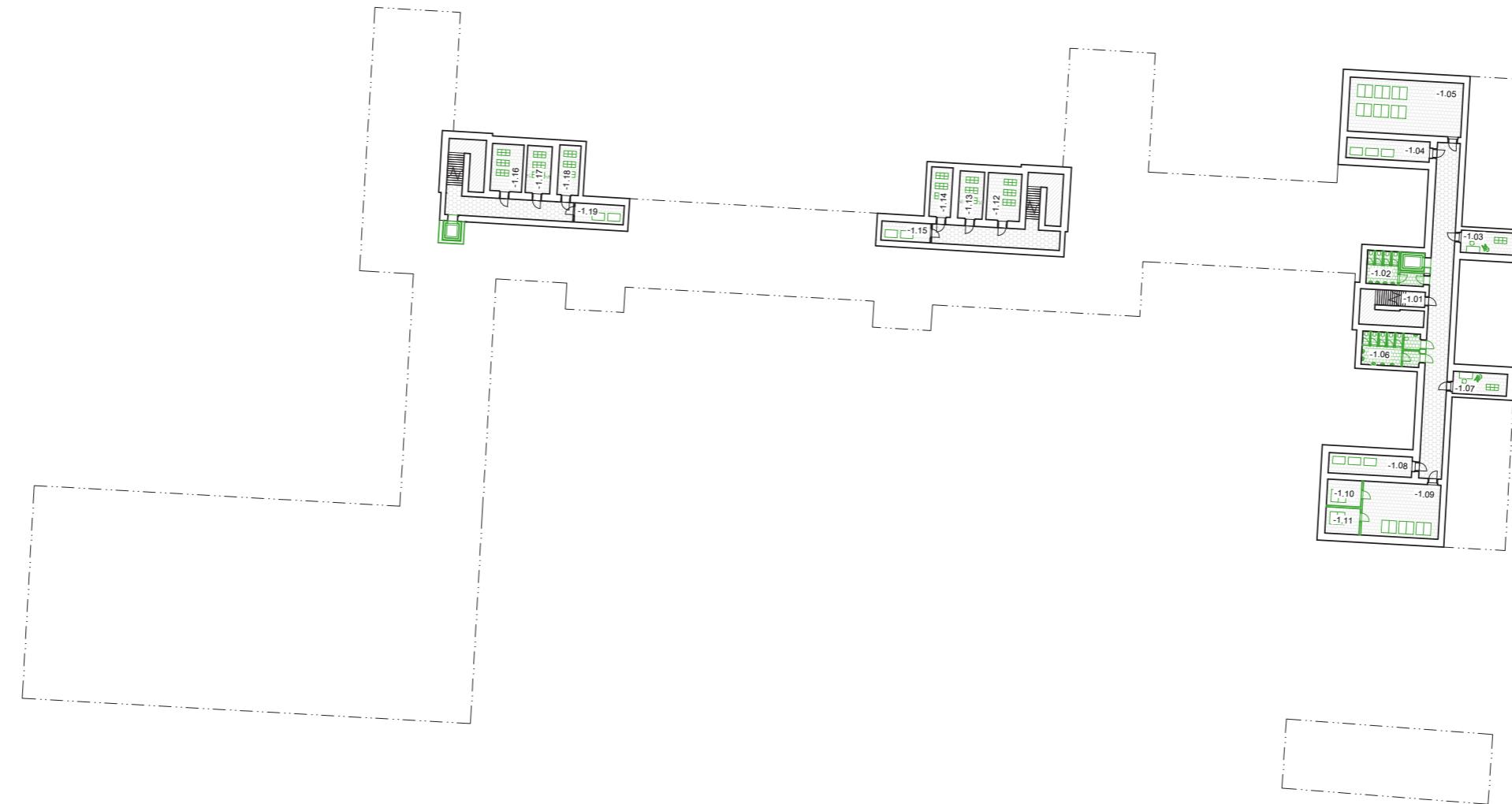
school garden and retention pond



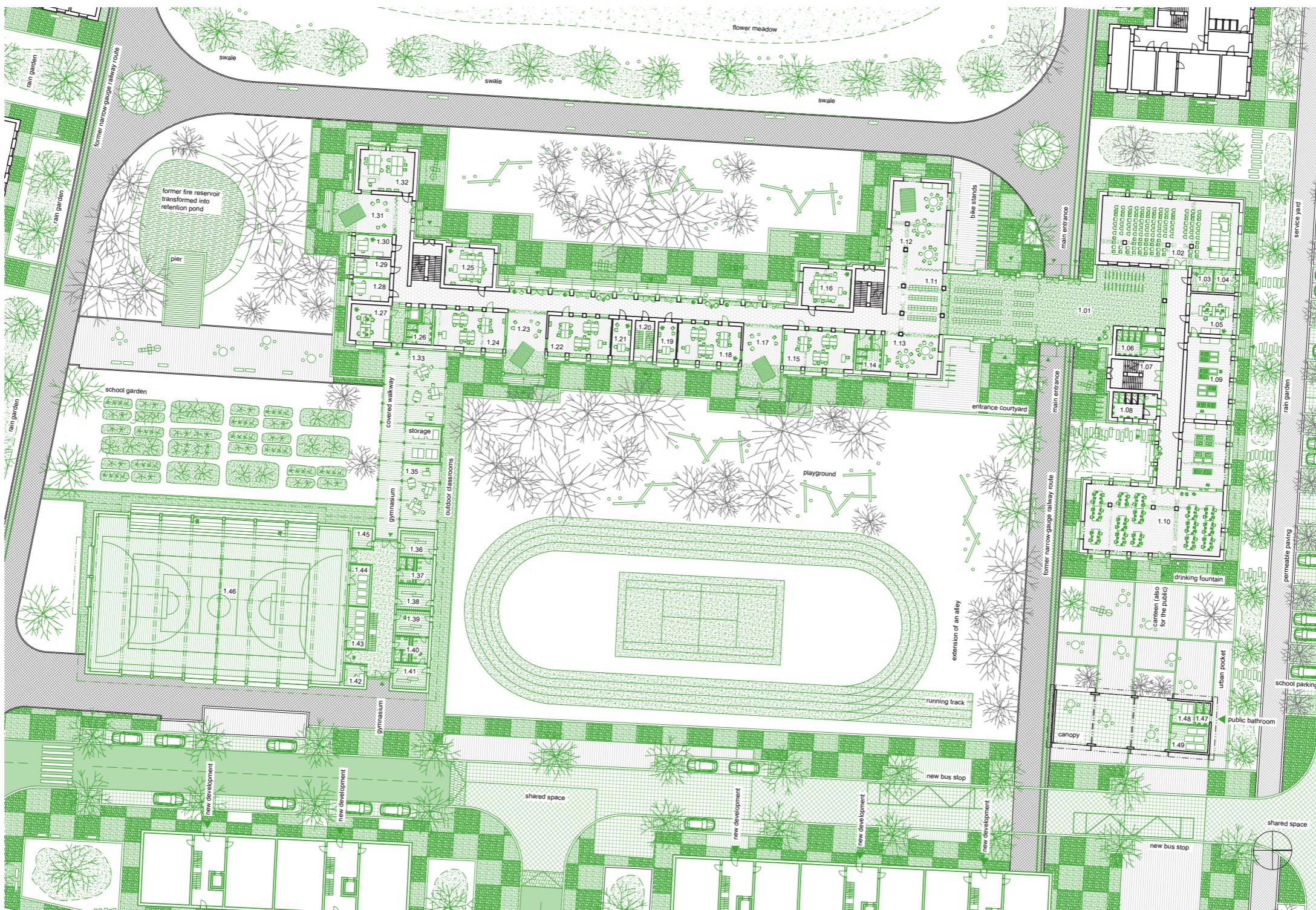
school grounds, yards



sports yard



underground  
technical facilities, kitchen storage



school grounds formed from buildings IV, V. and the gymnasium annex  
juxtaposed yards



entrance yard  
*Acer platanoides, Platanus acerifolia, Quercus cerris, Hedera helix*



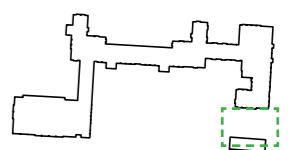
urban pocket, public bathroom



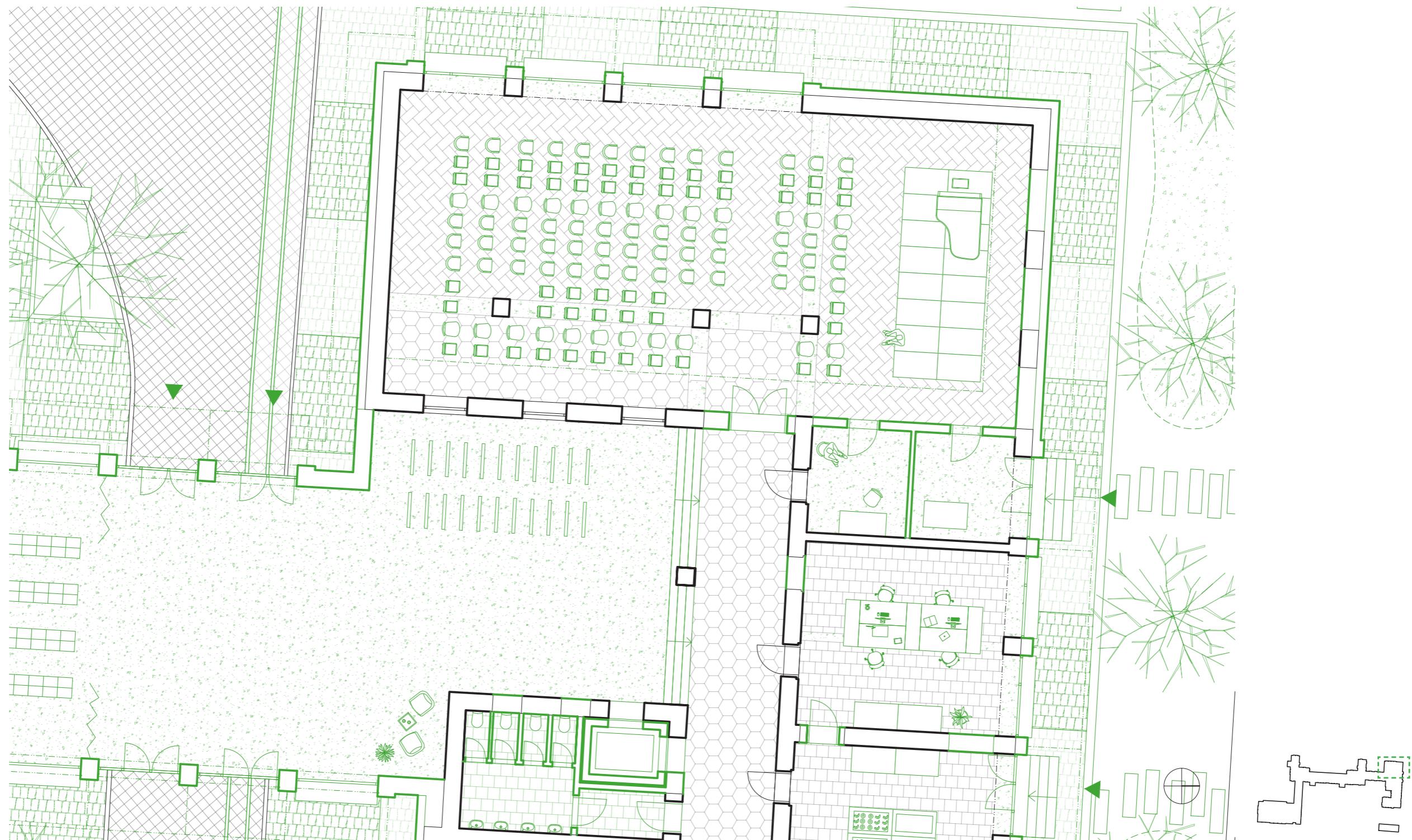
ground floor  
urban pocket, dining, a place where the school meets the public



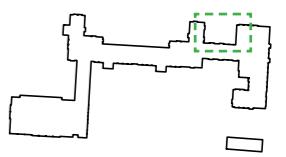
double-height dining room



a place where the school meets the public  
*Acer platanoides, Betula pendula, Hedera helix*



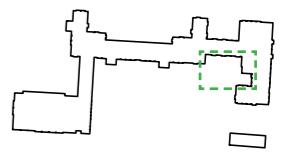
ground floor  
double-height multifunctional hall, foyer

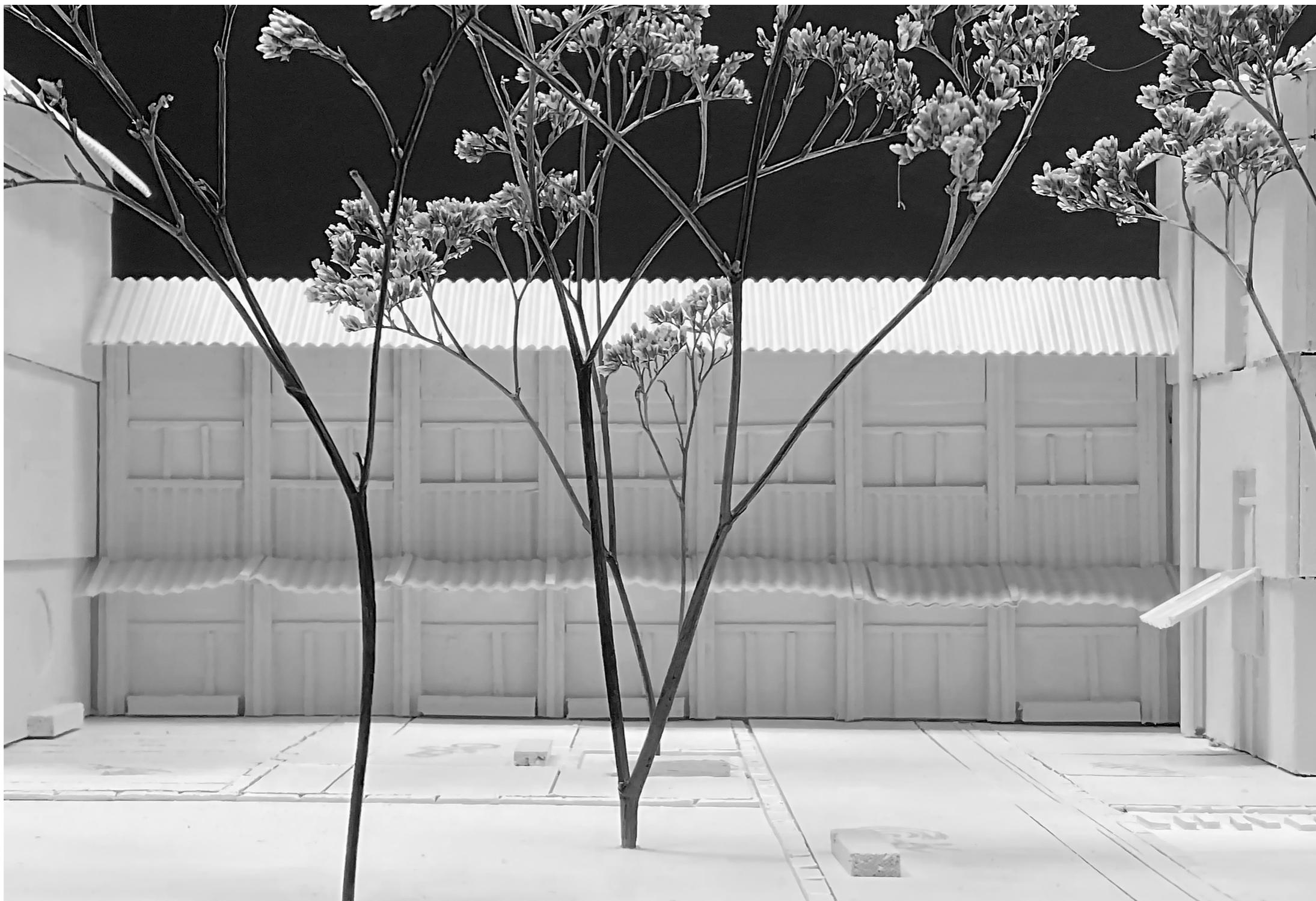


a way to school along the traces of the narrow-gauge track  
*Acer platanoides, Hedera helix*



entrance yard  
*Acer platanoides, Platanus acerifolia, Hedera helix*

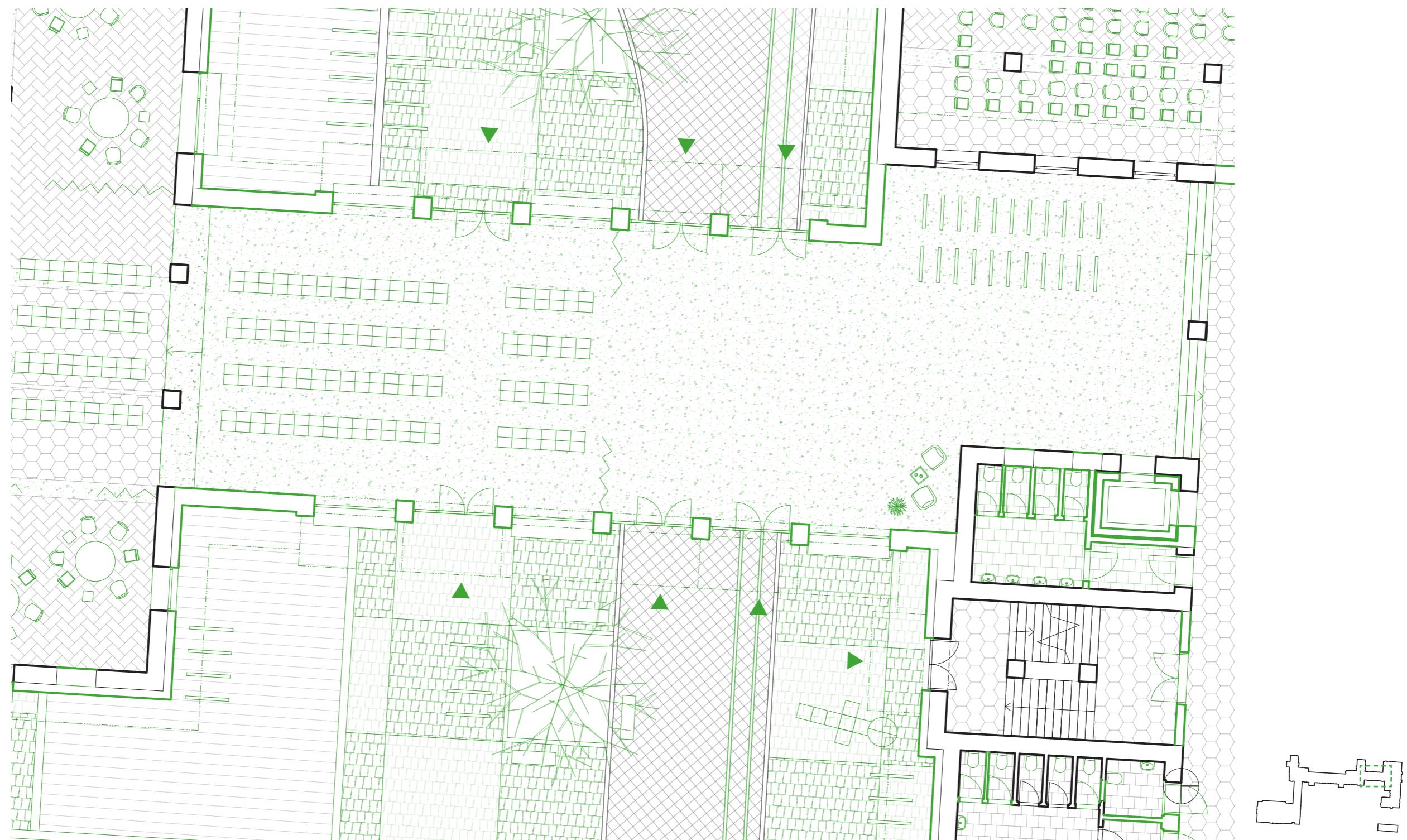




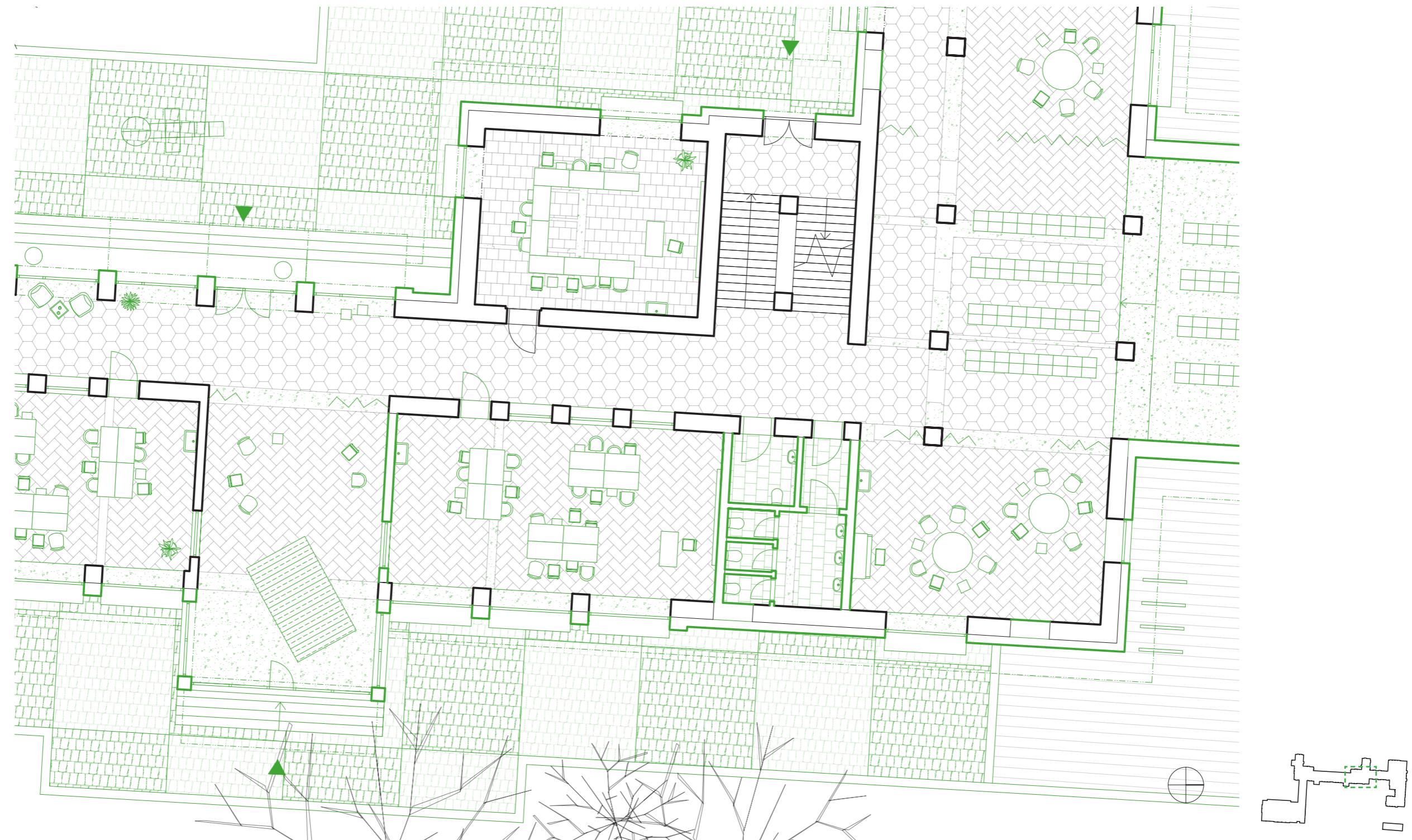
entrance yard  
*Acer platanoides, Platanus acerifolia, Hedera helix*



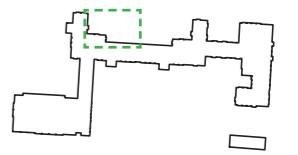
entrance yard  
*Acer platanoides, Platanus acerifolia, Hedera helix*



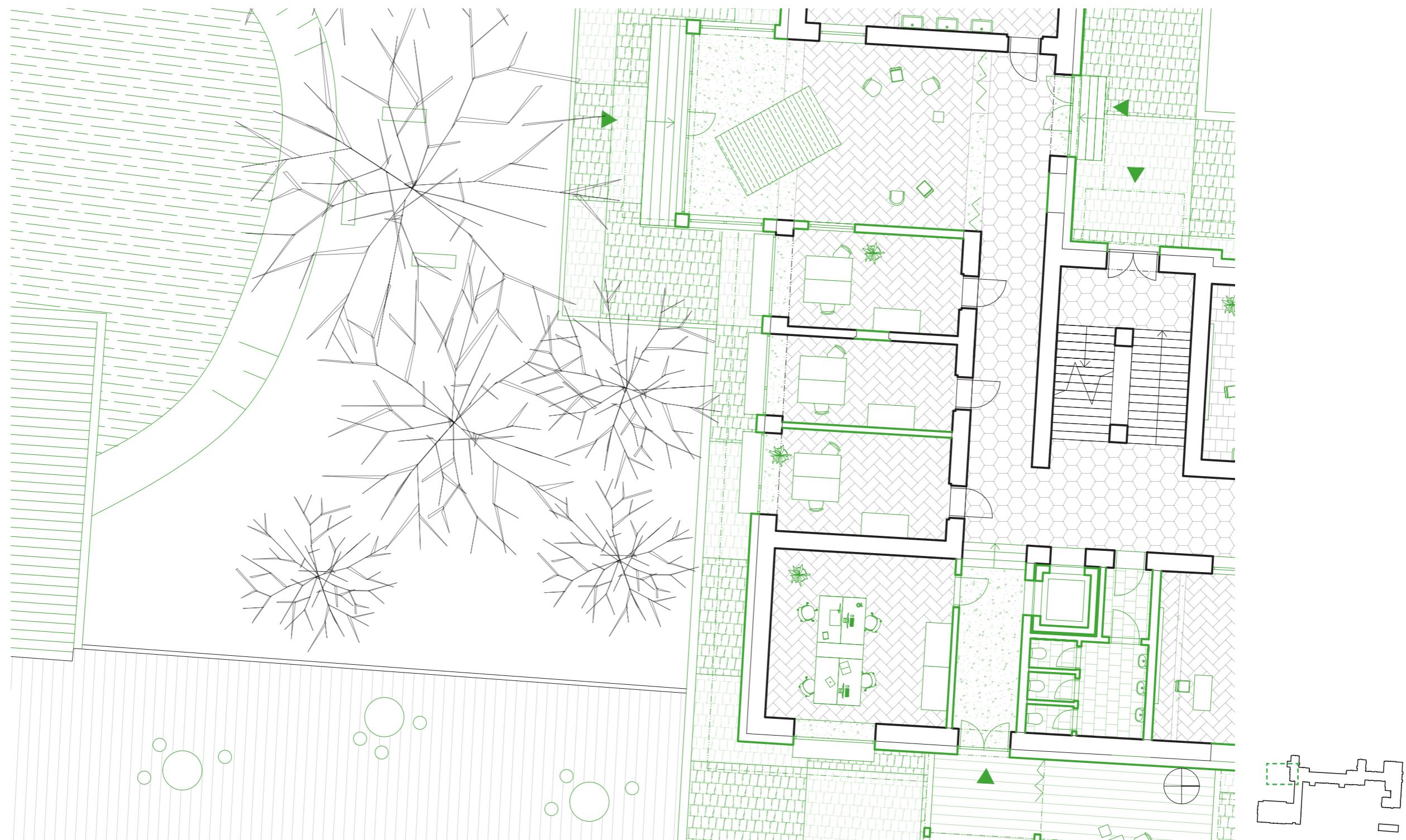
ground floor  
entrance yard



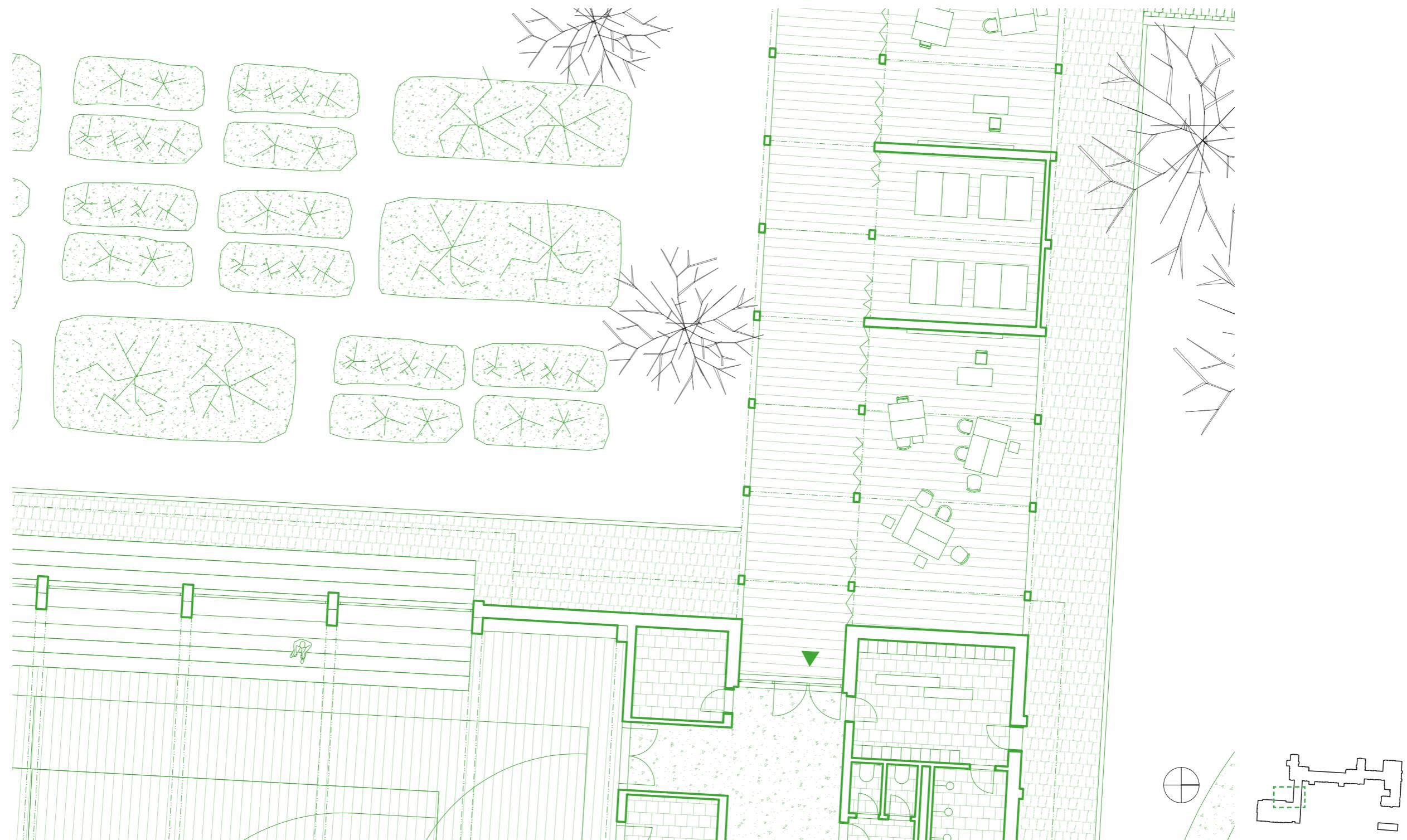
ground floor  
first stage classrooms, school club, niche, playground yard



first stage playground yard, recycled brick stairs serving as a bench  
*Acer platanoides, Hedera helix*



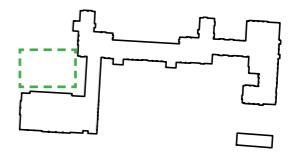
ground floor  
former fire reservoir transformed into retention pond, pier, offices

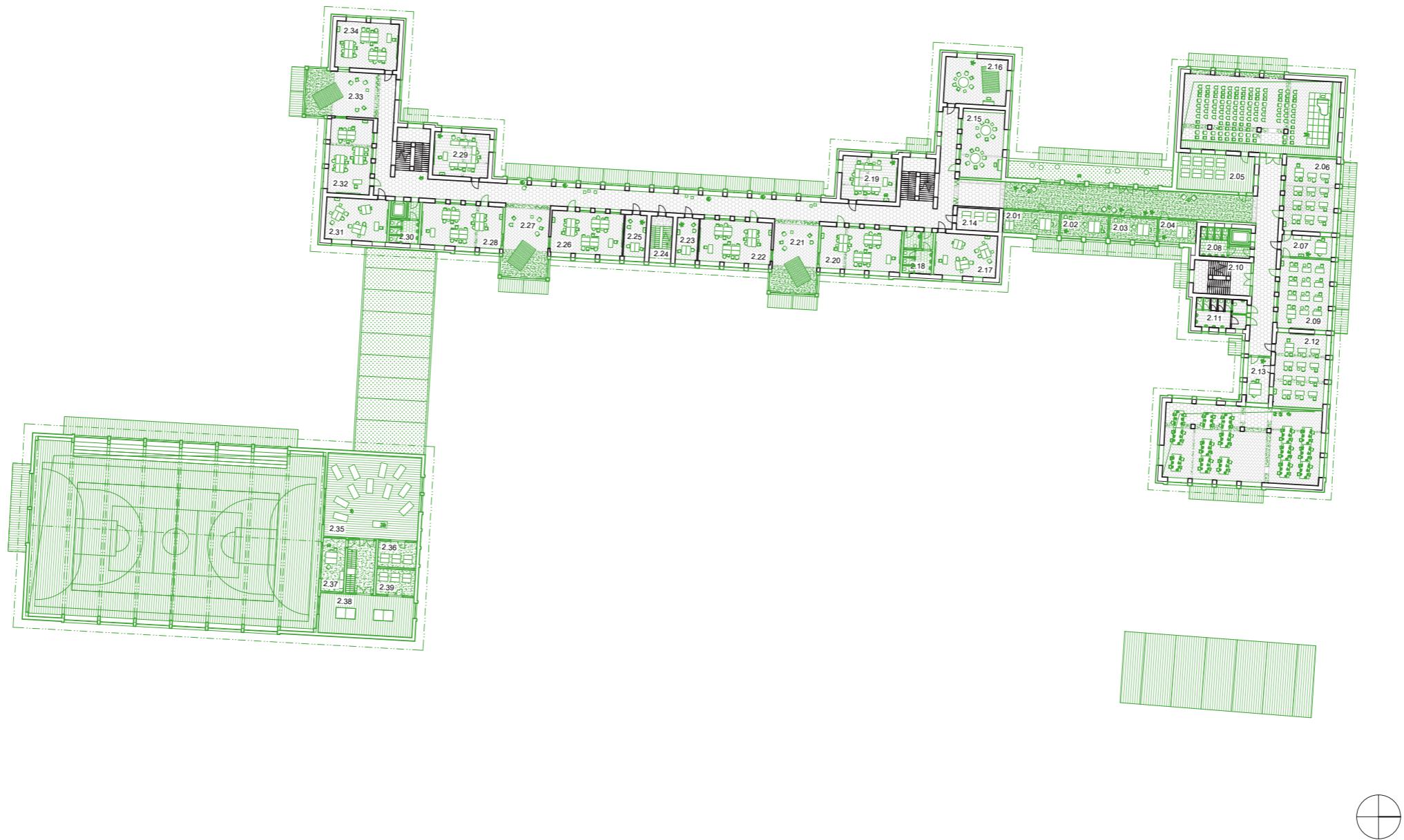


outdoor classrooms, covered passage

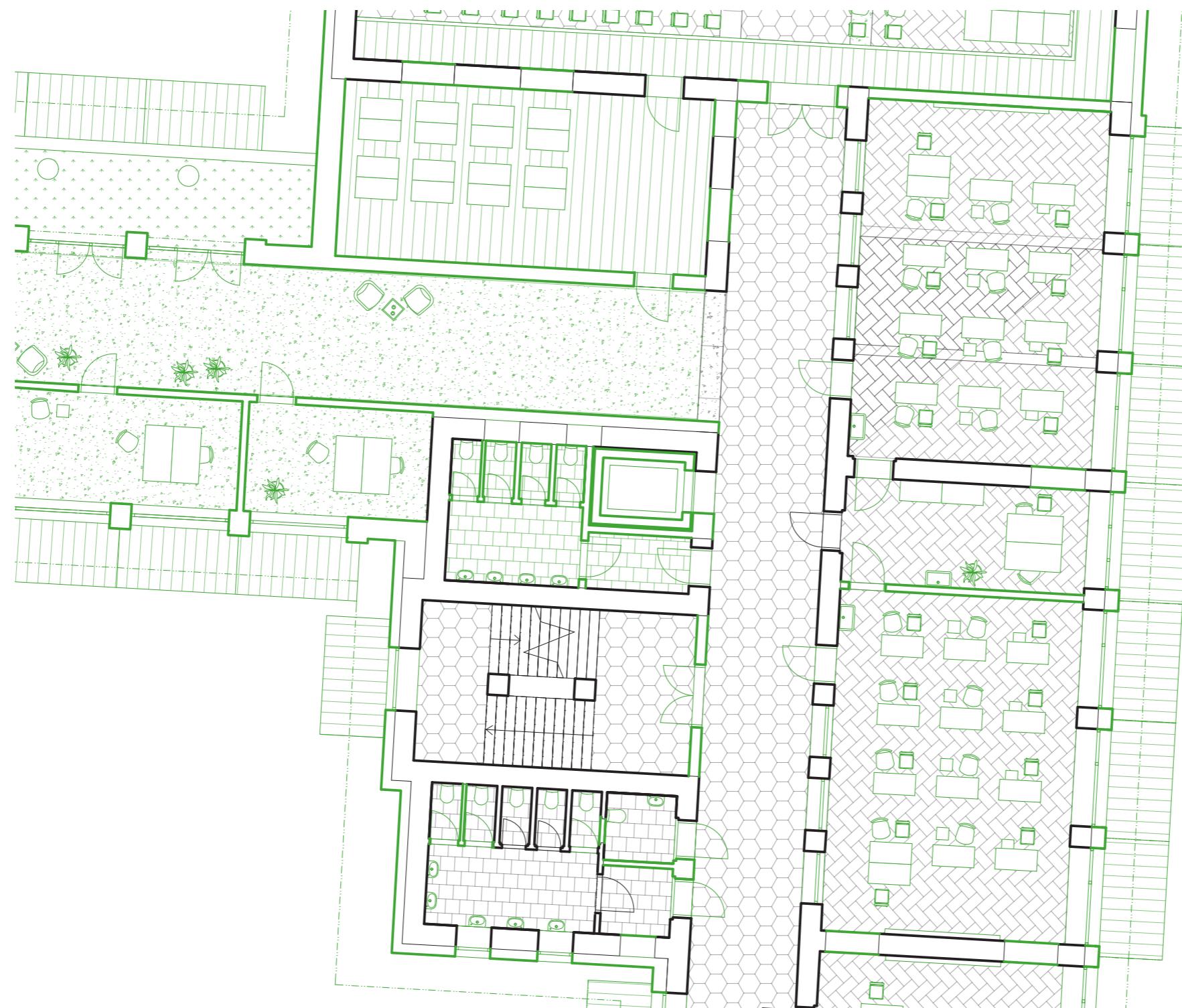


school garden

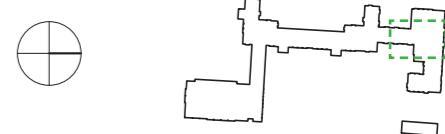


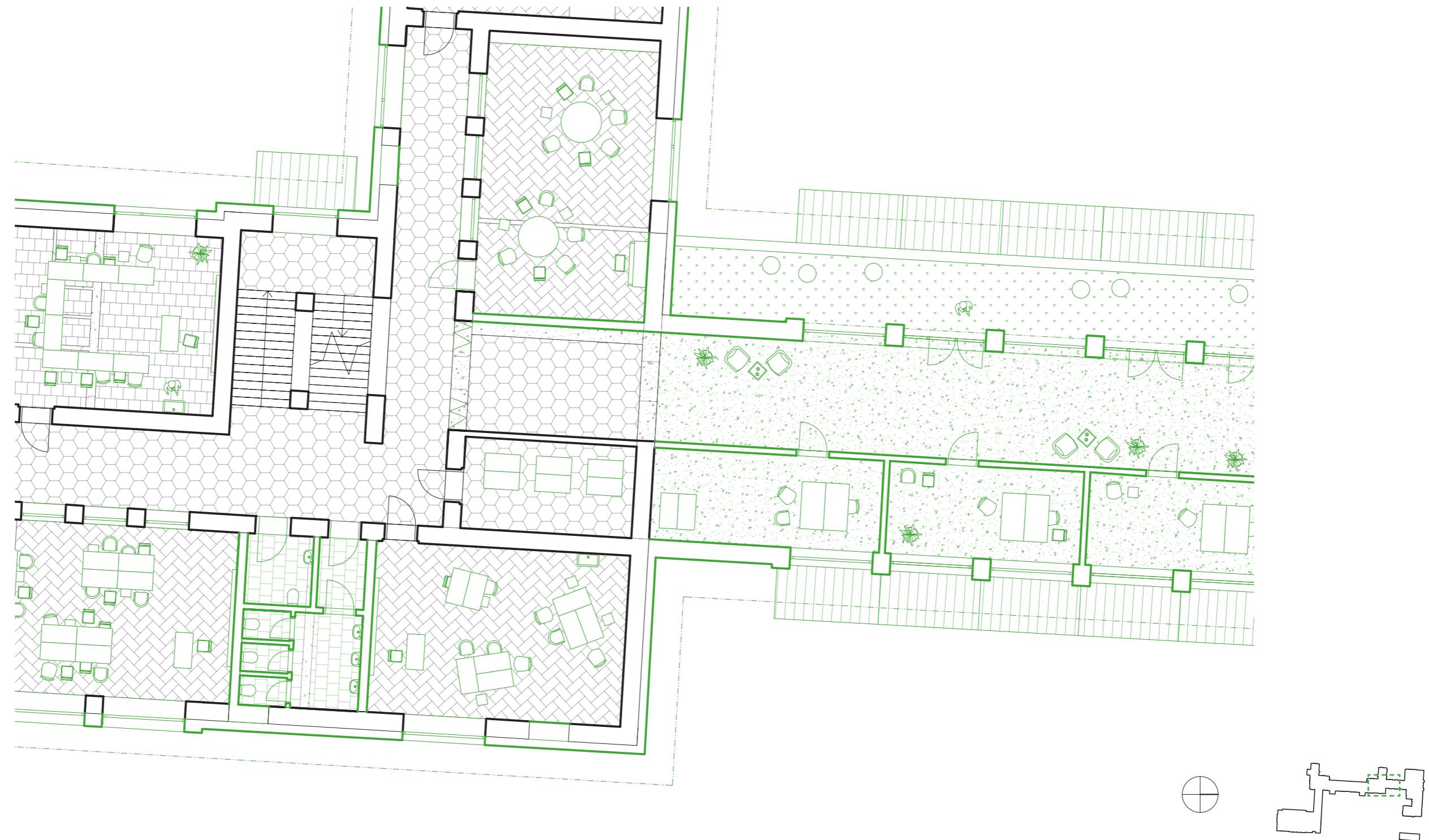


first floor  
first stage classrooms, school management, specialised classrooms



first floor  
multifunctional hall, computer classrooms

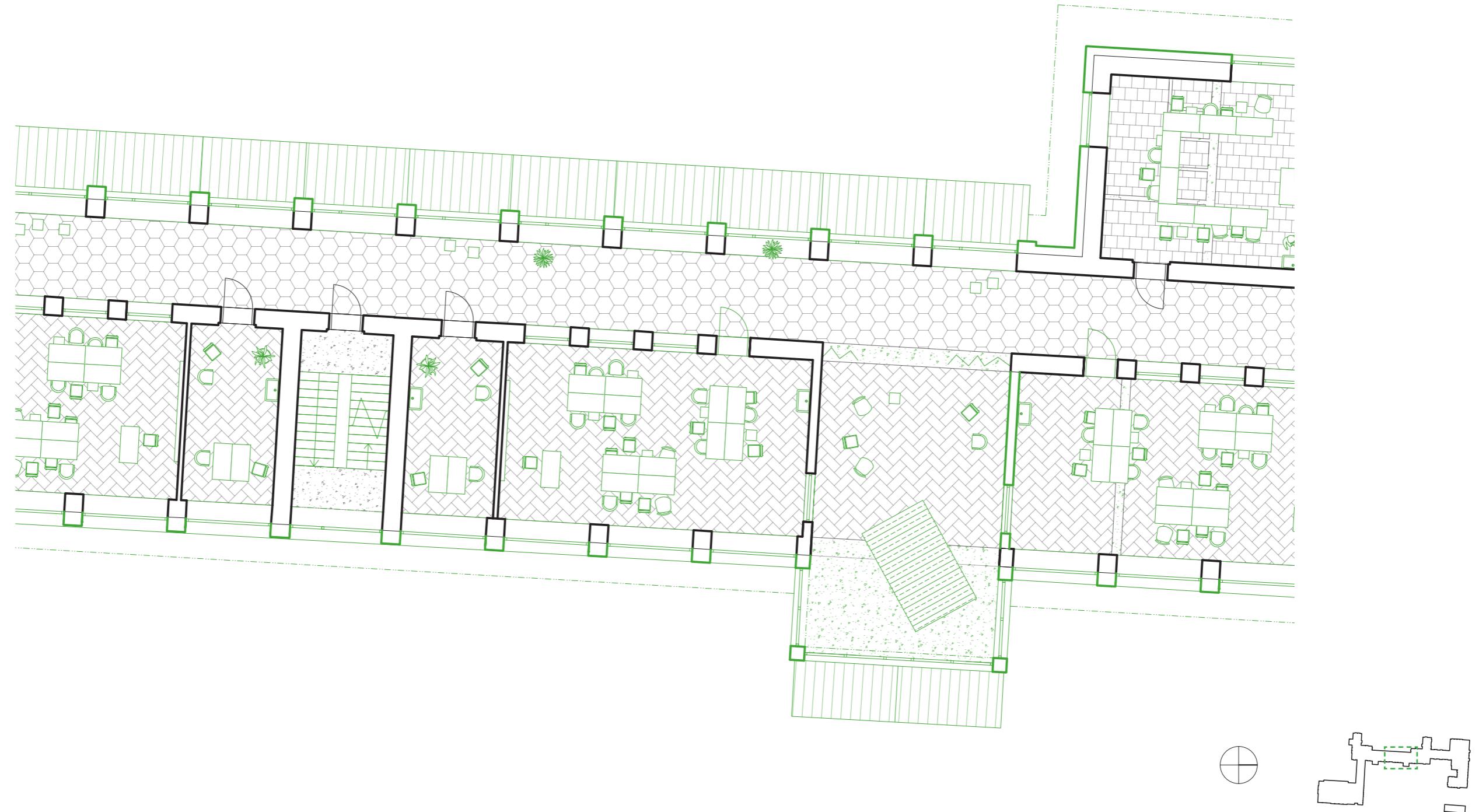




first floor  
school management, language classrooms, school club



first stage classroom



first floor  
first stage classrooms, nook, teachers' rooms



classroom layout options



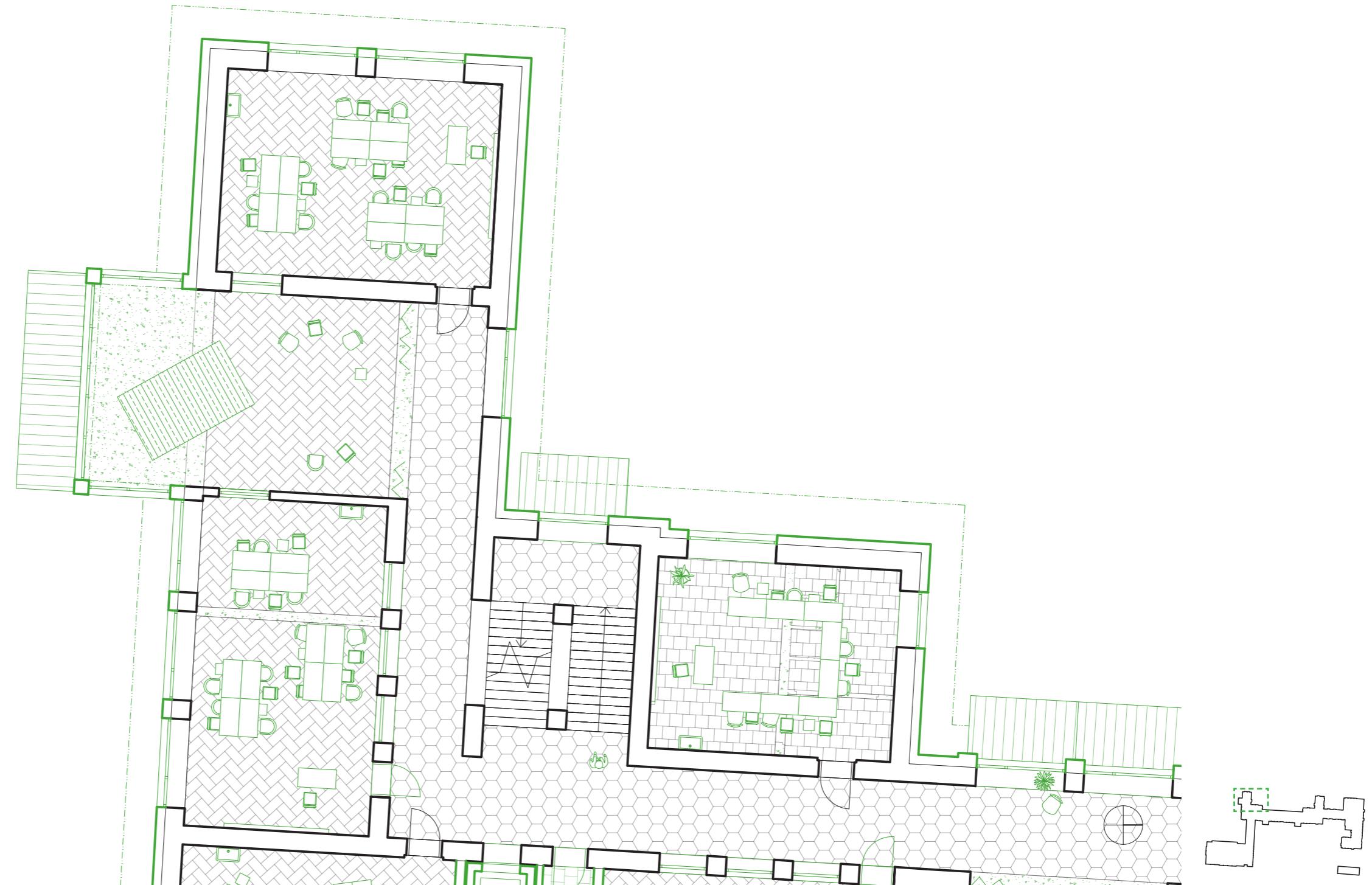
classroom layout options



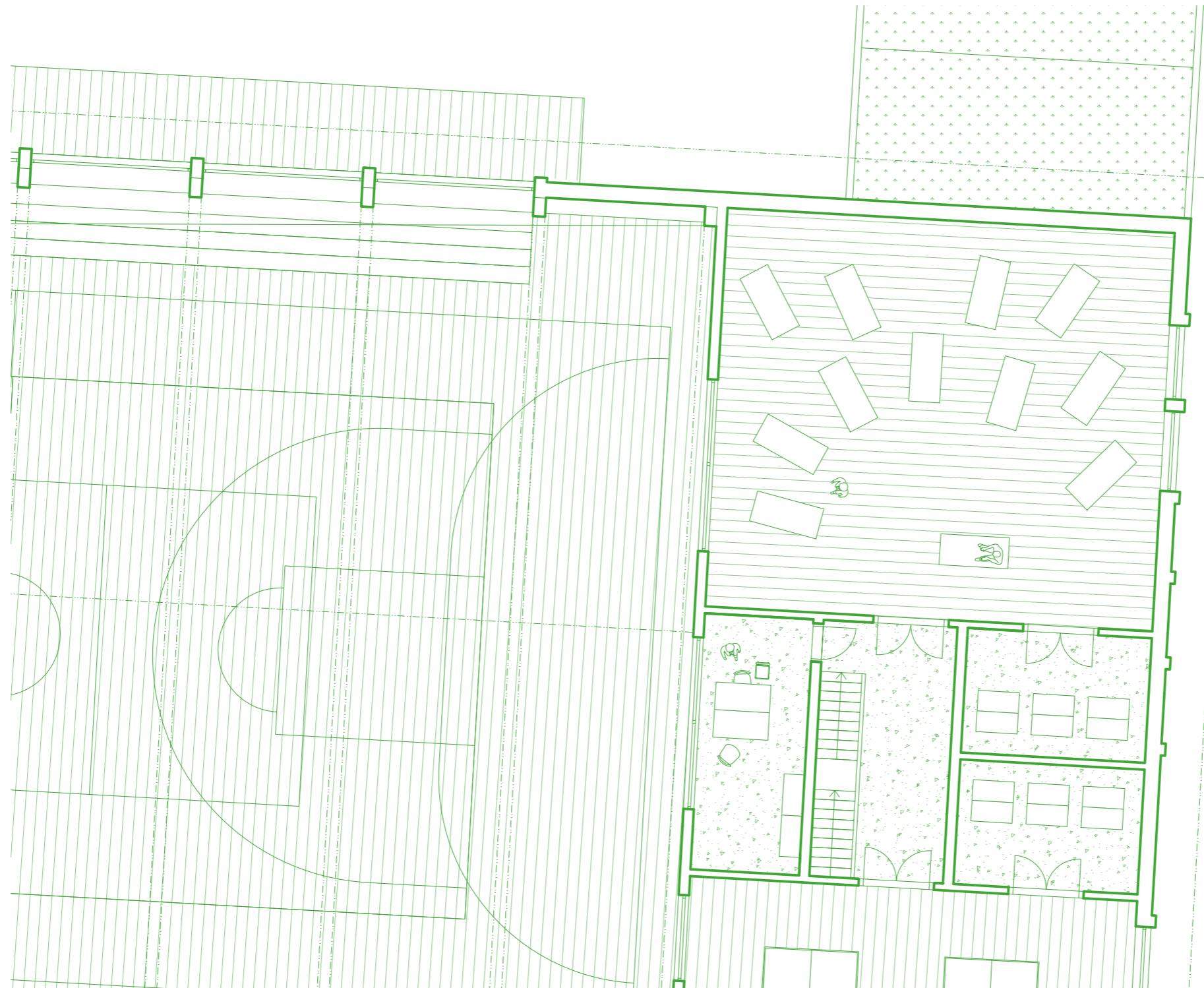
classroom layout options



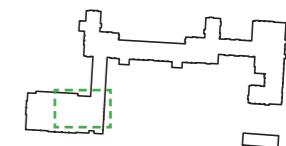
classroom layout options



first floor  
first stage classrooms, language classroom

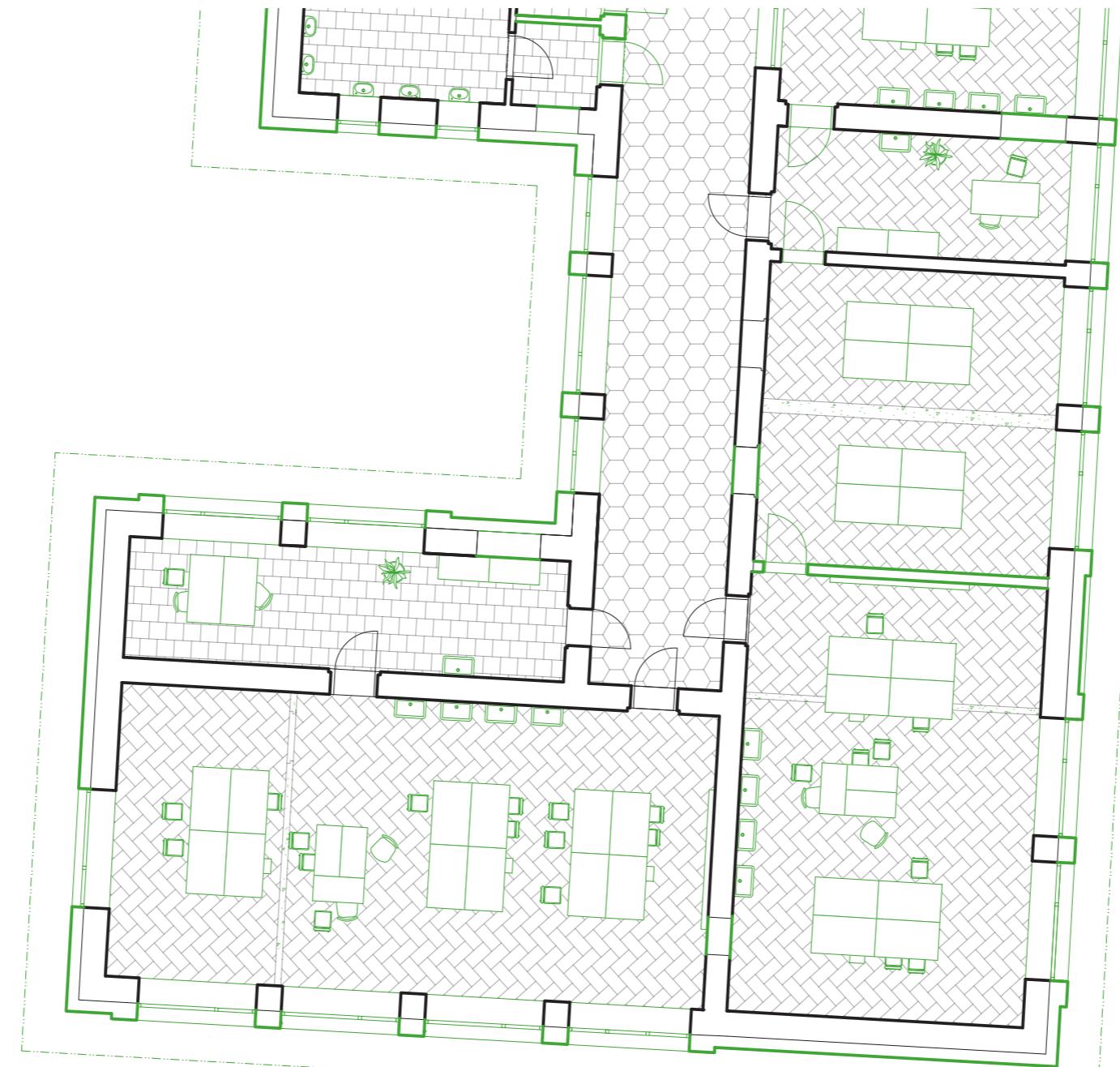


first floor  
yoga room, exercise equipment storage, office, table tennis room

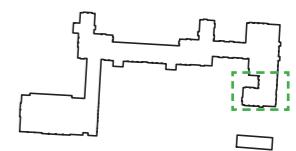


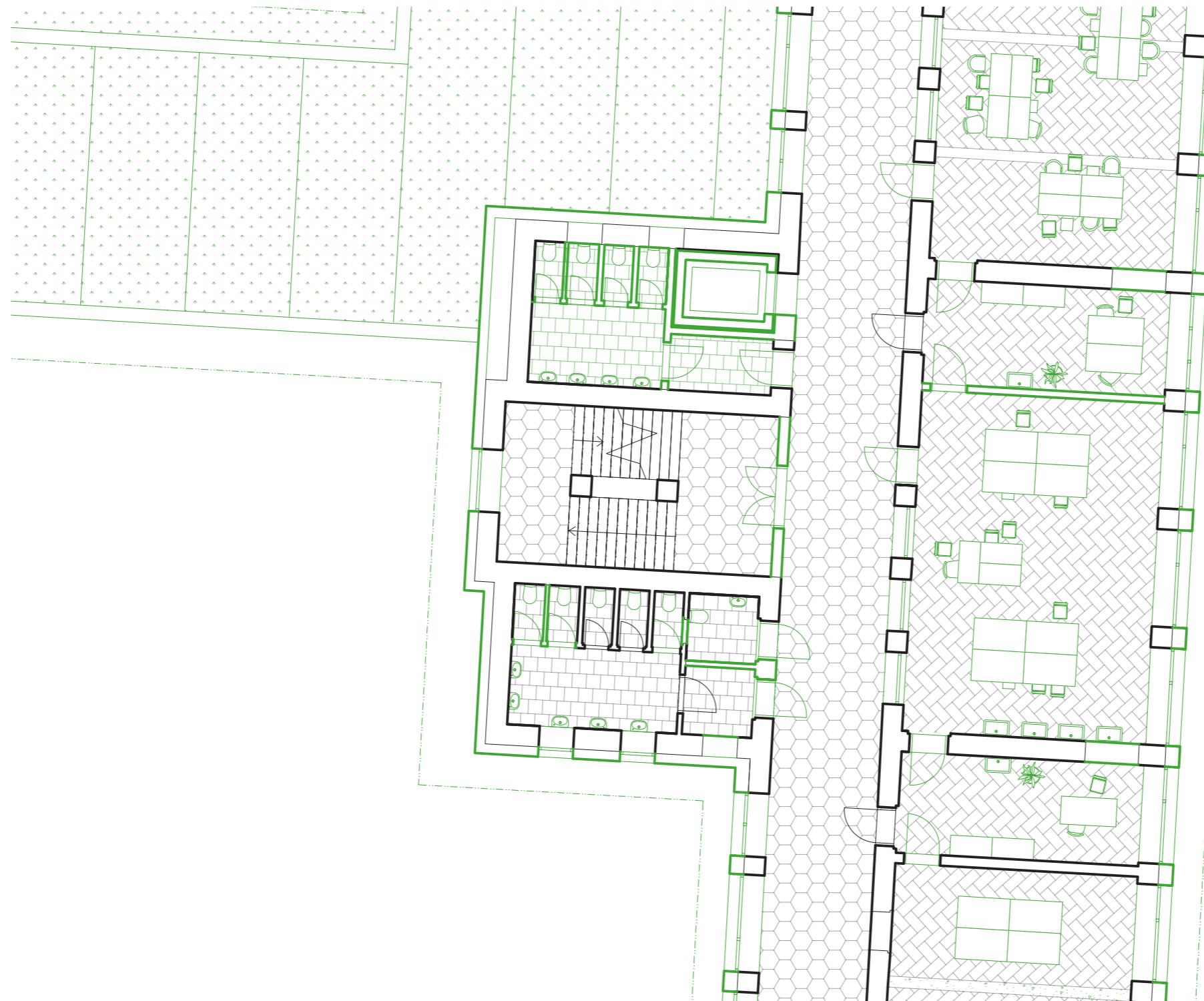


second floor  
second stage classrooms, specialised classrooms, meeting room

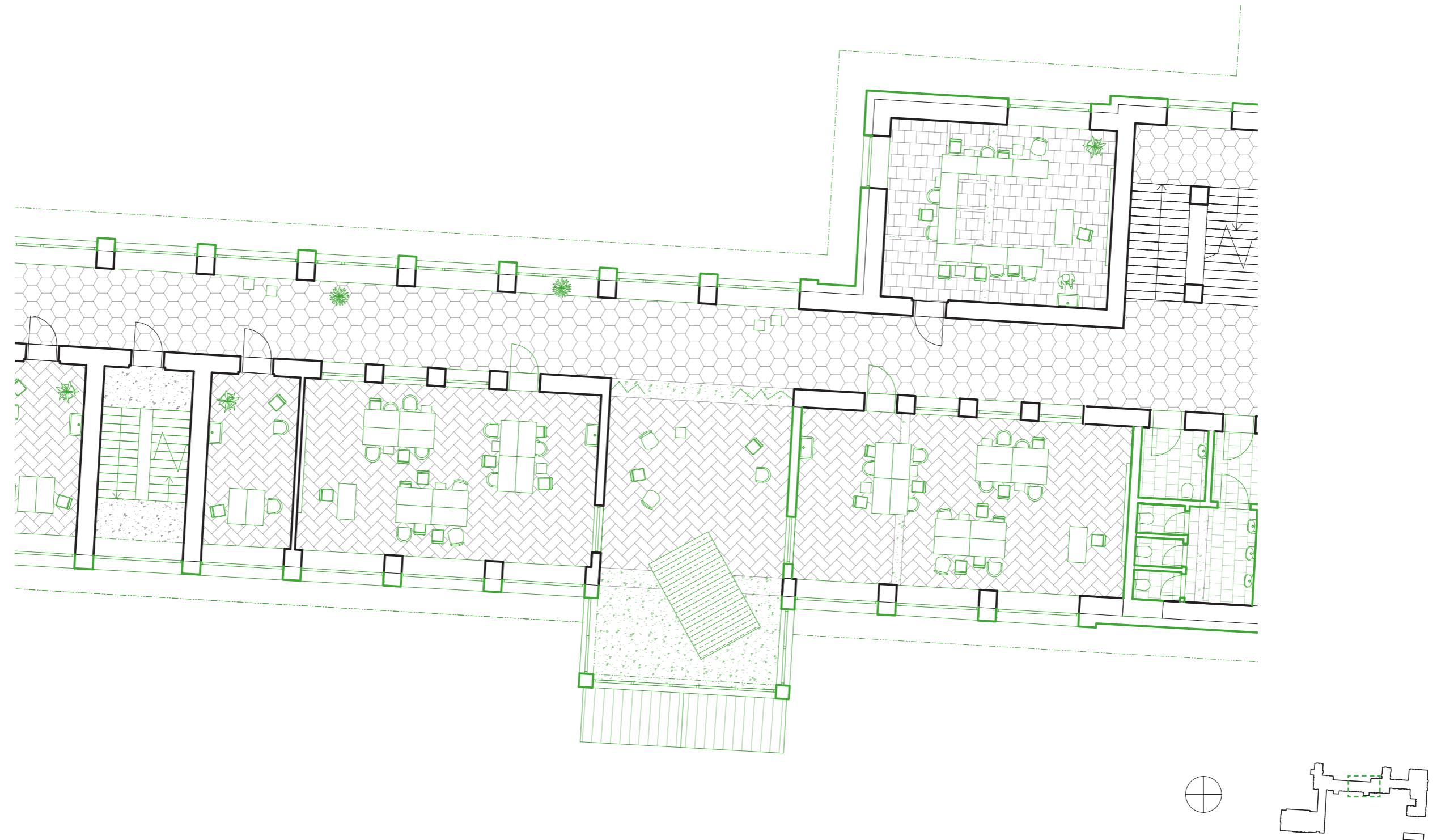


second floor  
natural sciences classrooms, laboratories





second floor  
natural sciences classrooms, laboratories



second floor  
second stage classrooms, language classrooms, niche



enfilade

Emanuel de Witte, Interior with a woman at a virginal, and an officer listening in the bed on the left

85



enfilade



enfilade



school nook



inglenook  
George Smith, Chimney Corner, 1852, oil painting.



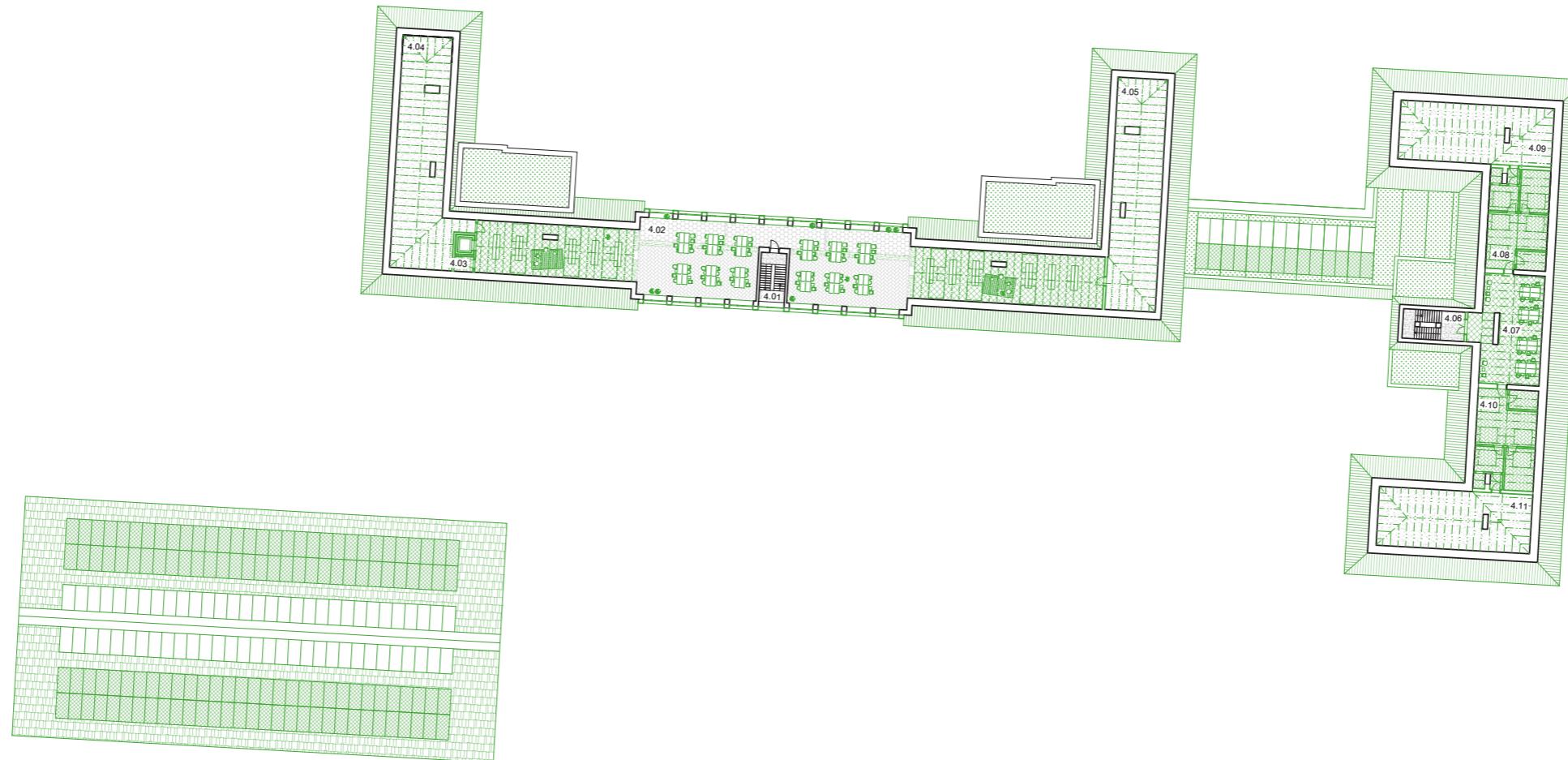
school nook layout



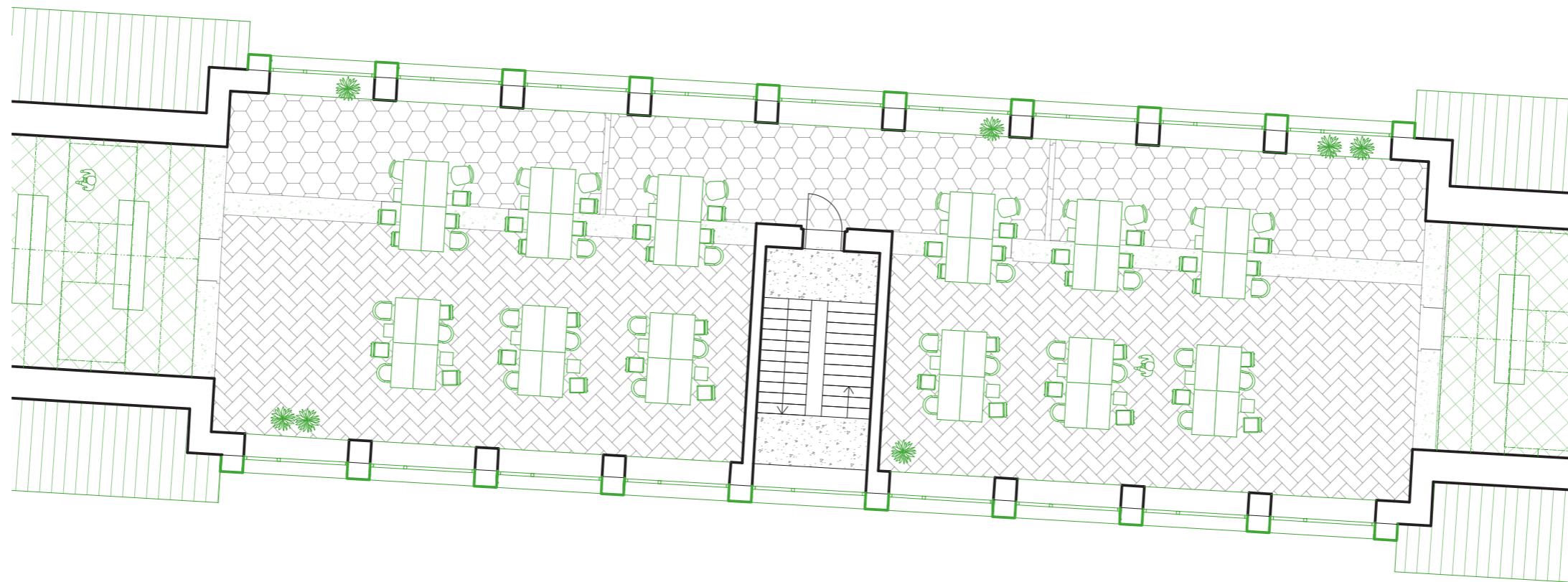
school nook layout



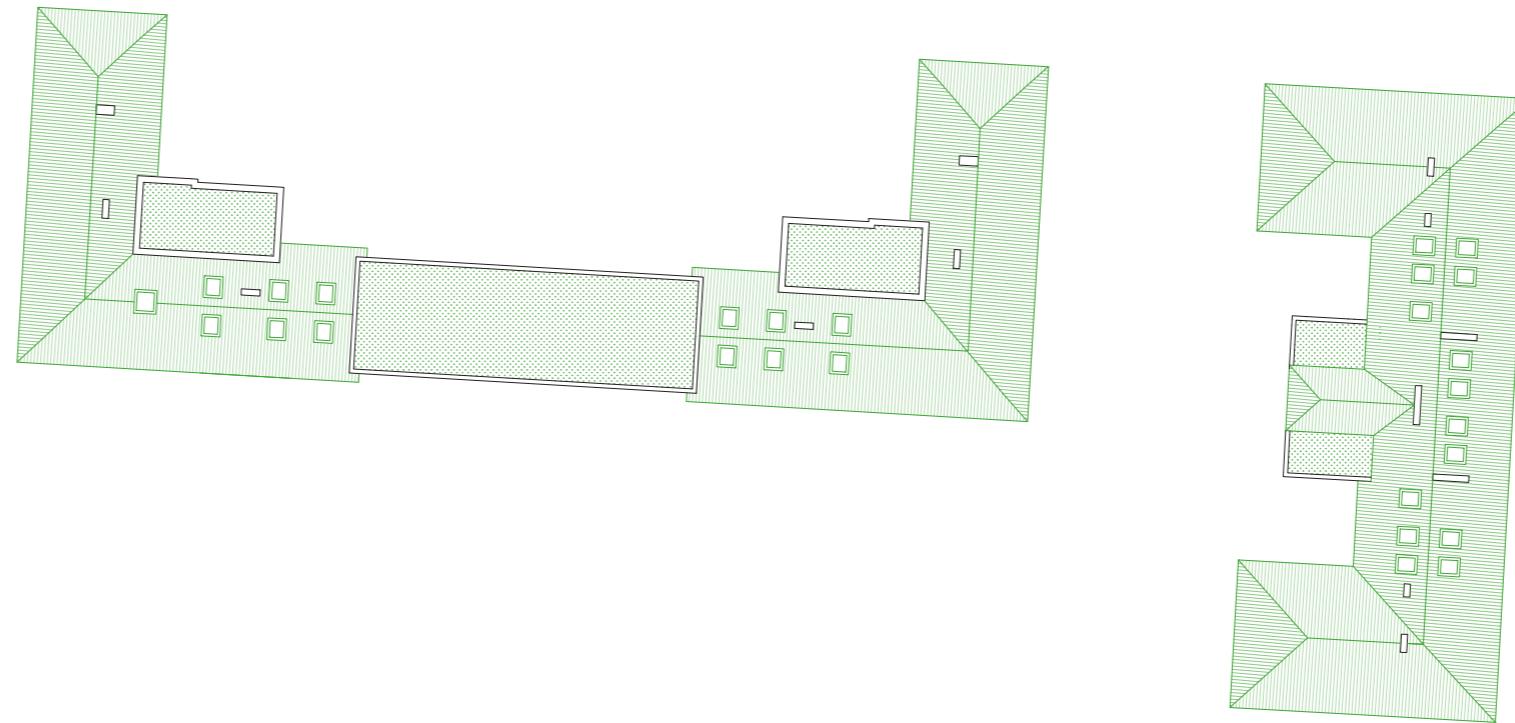
school nook layout



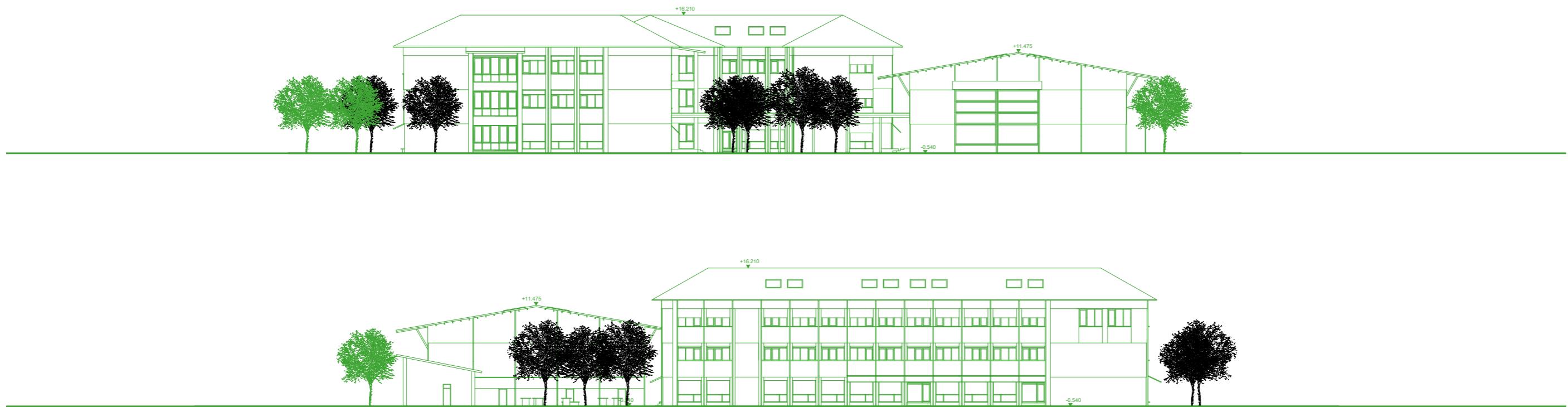
third floor  
library, technologies, meeting space, school staff apartments



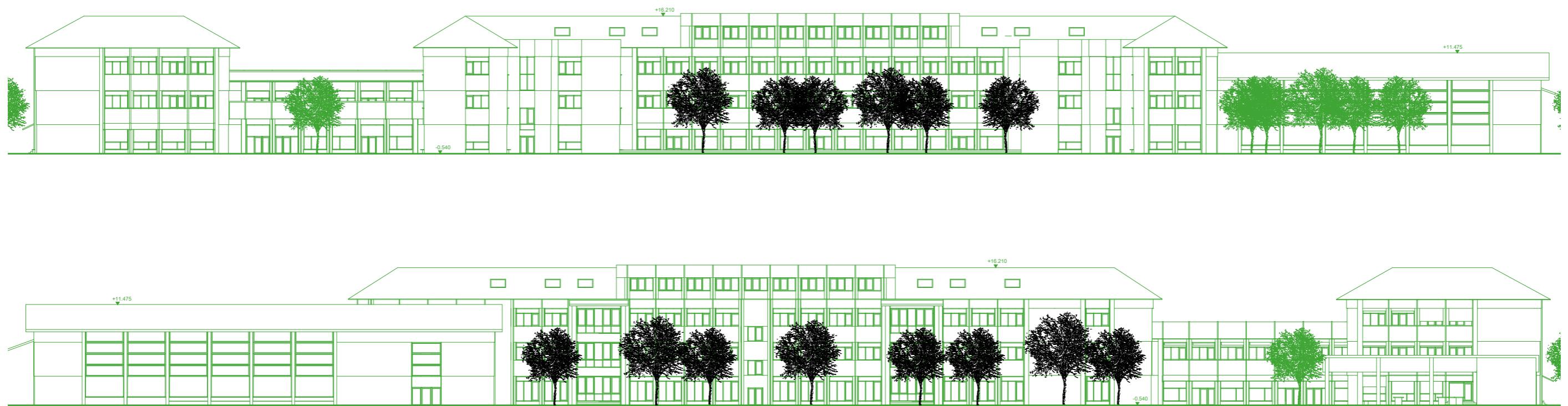
third floor  
library on the place of the former soldiers' dormitory, textbook stock



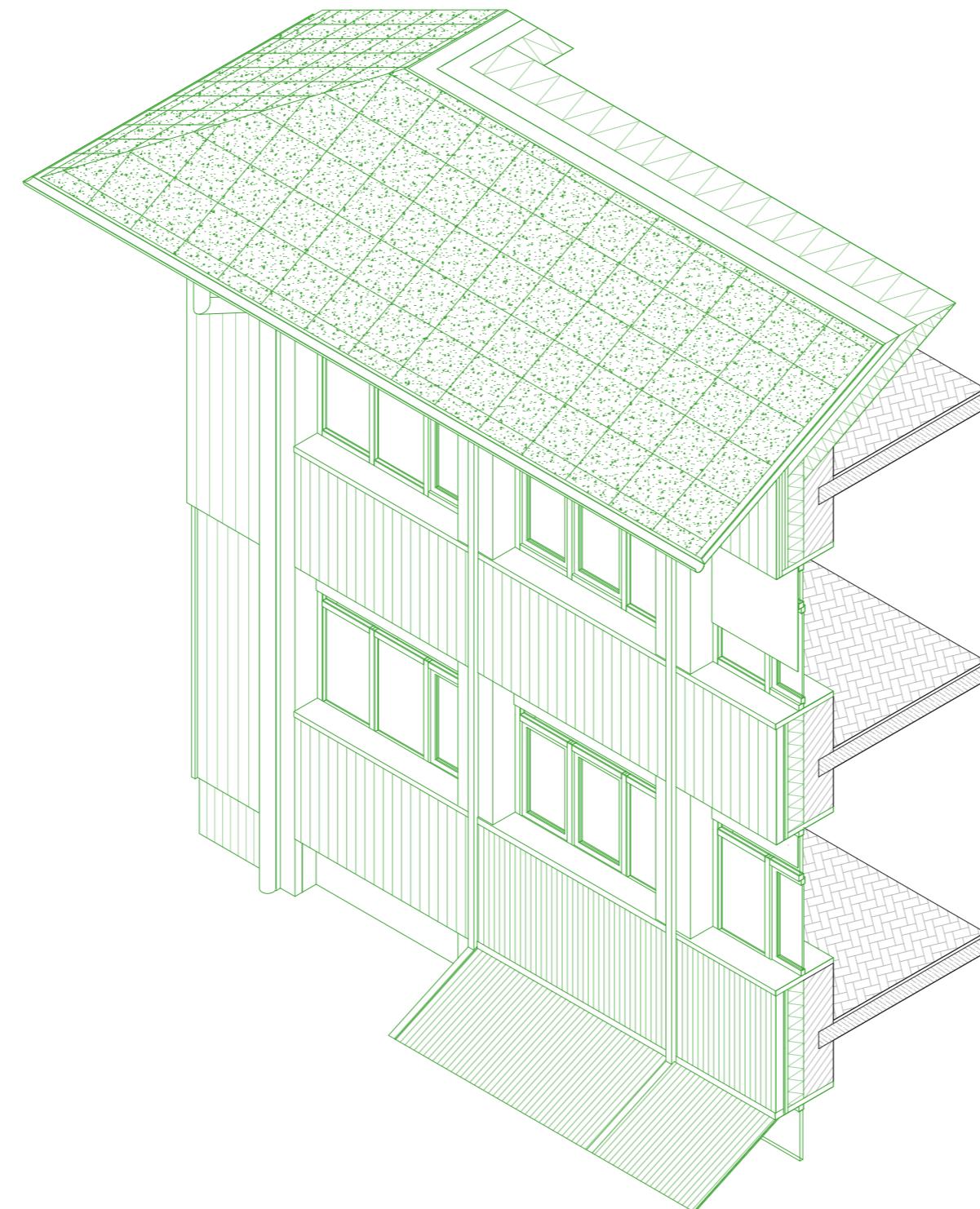
roofs  
lightweight extensive sedum roofs with skylights, solar panels



southern and northern elevations



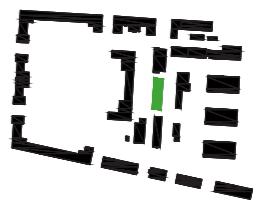
western and eastern elevations



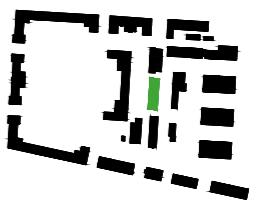
facade fragment  
reused cladding and metal sheets, new layer of thermal insulation



new layer of thermal insulation



existing façades with dark stained diagonal and vertical wooden cladding, white window frames, 2024  
building XXV.



urban mining, interior cladding as a source of material for façades  
Hásl, 2022.



brand new façade, reused metal sheets, reused dark stained wooden cladding,  
light blue details as a reference to the originally light blue plinths



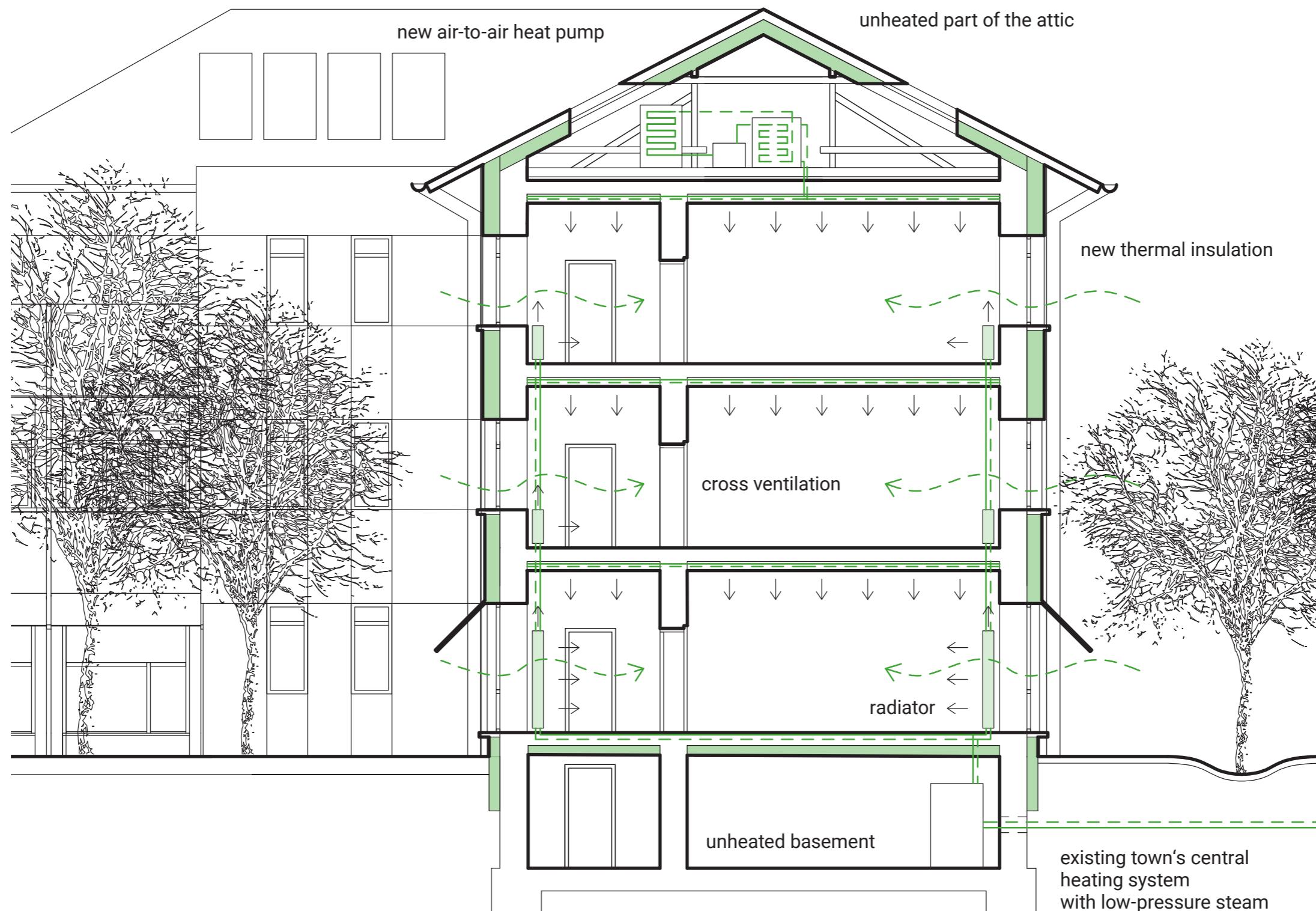
façade in 5 years with the first signs of ageing, common ivy (self-supporting climber)  
*Acer platanoides, Platanus acerifolia, Hedera helix*



façade in 10 years, ivy cools the building in winter and keeps higher humidity in summer  
*Acer platanoides, Platanus acerifolia, Hedera helix*



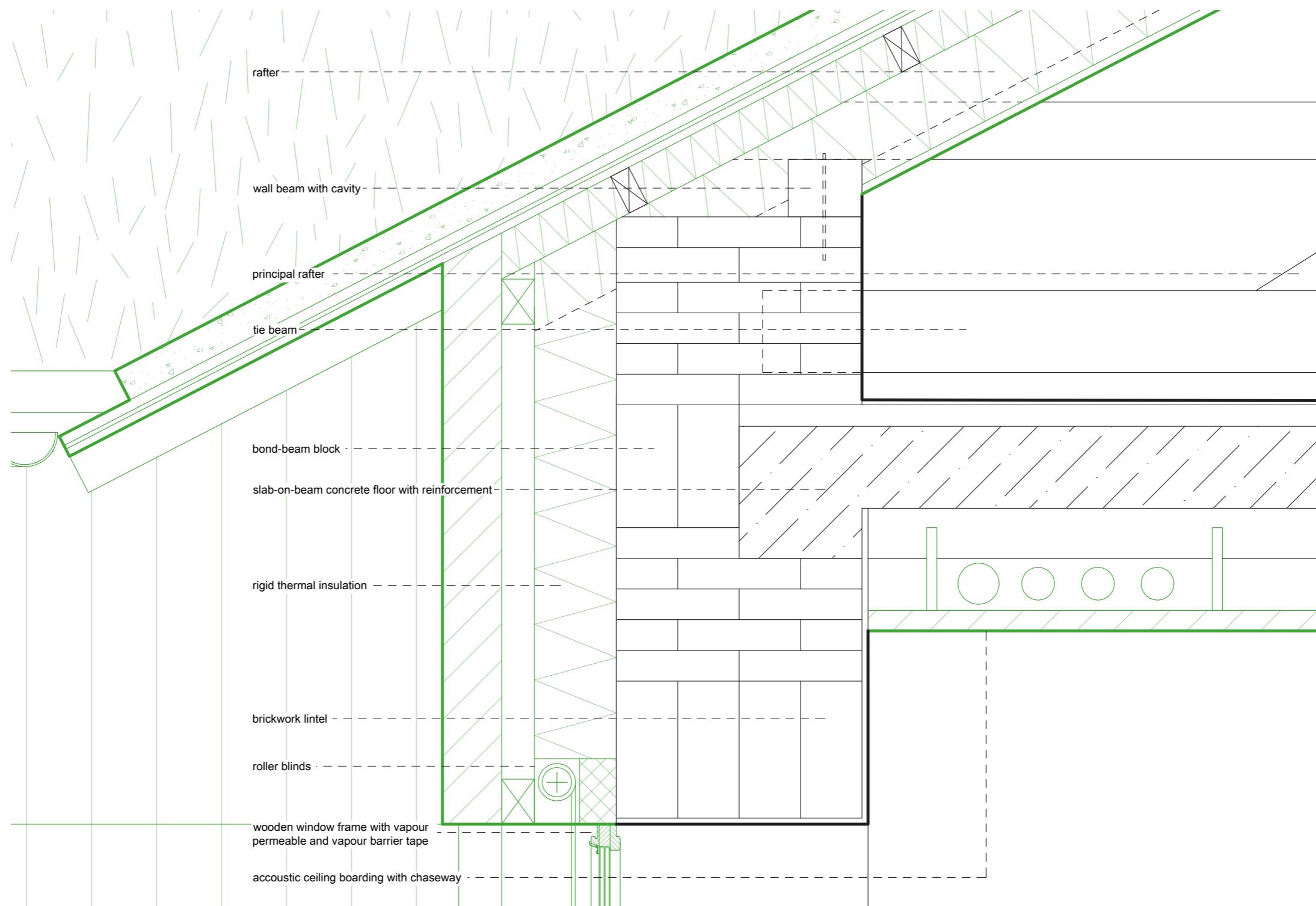
façade in 15 years, ivy absorbs pollutants and reduces noise, shelter for insects and birds  
*Acer platanoides, Platanus acerifolia, Hedera helix*



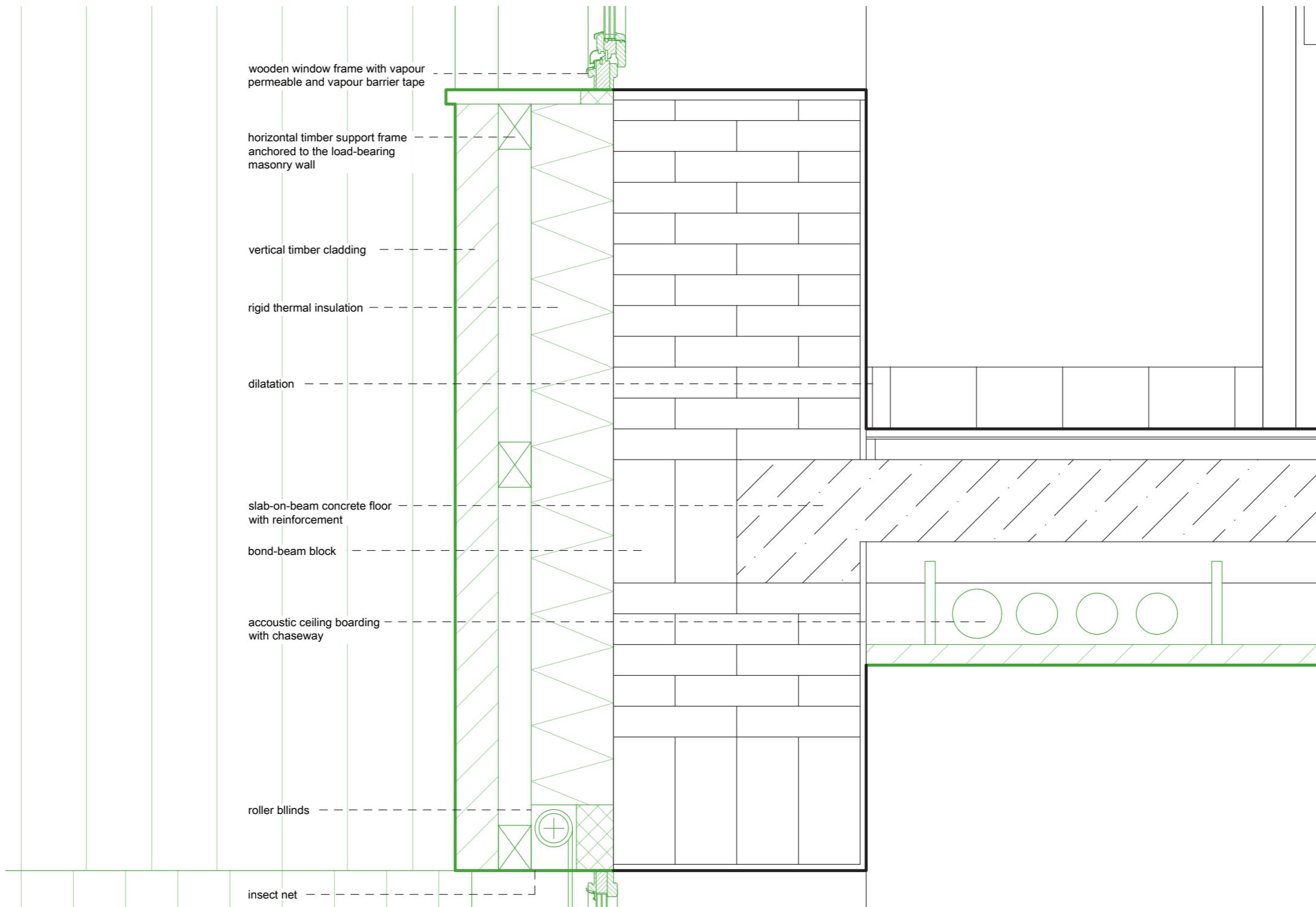
heating system, thermal insulation, ventilation



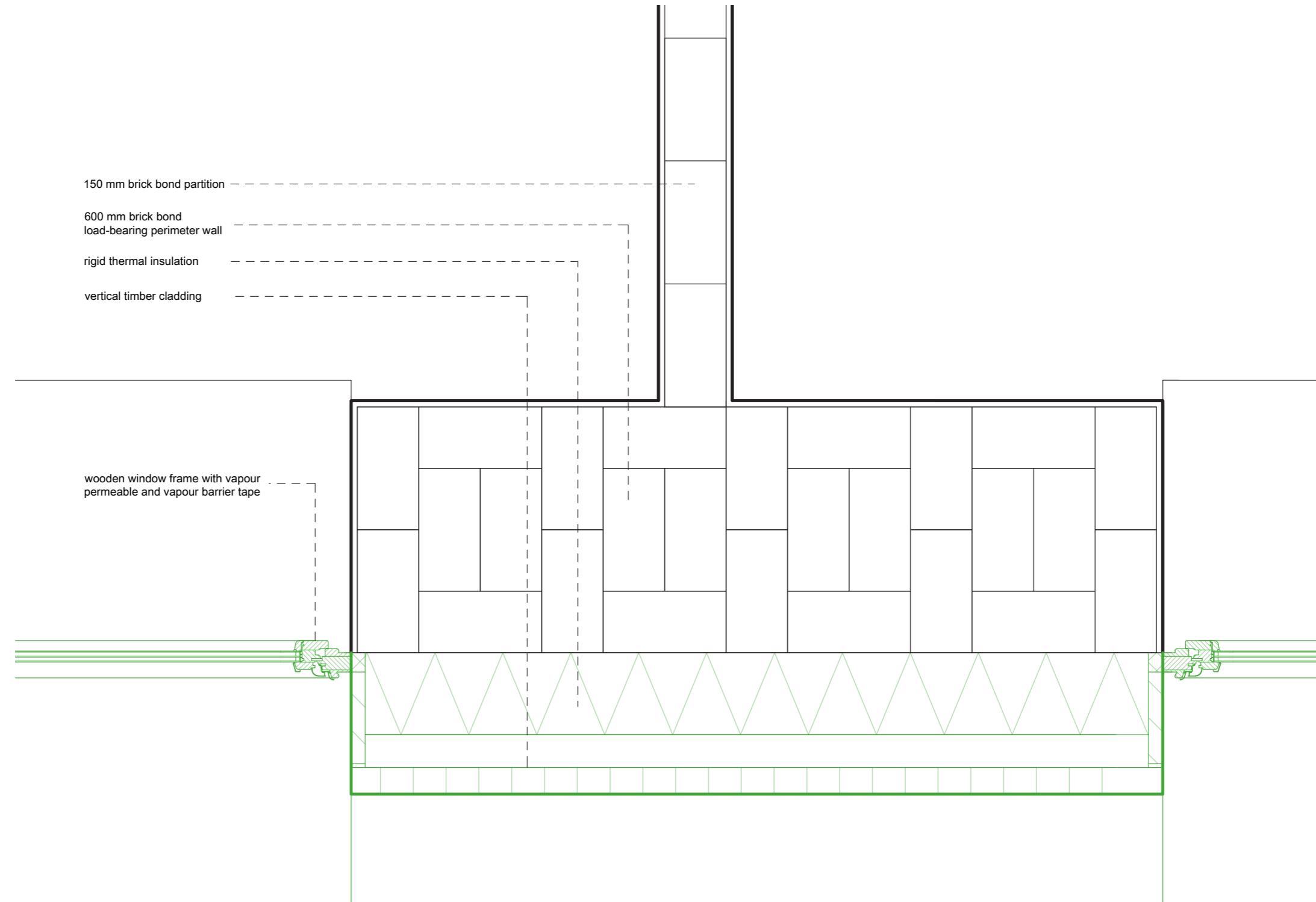
rainwater collection, shading, solar gains, cooling



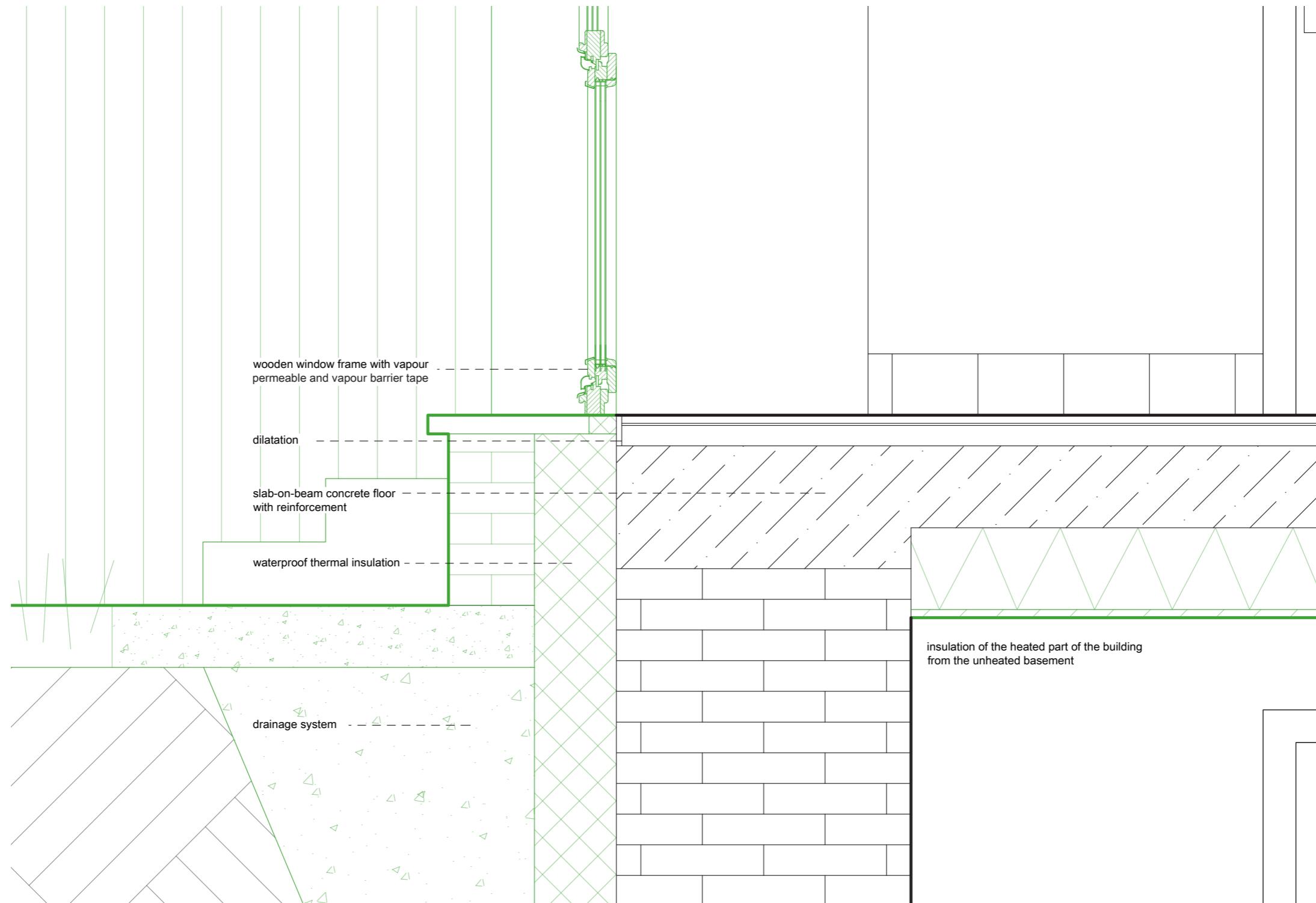
building IV.



building IV.



building IV.



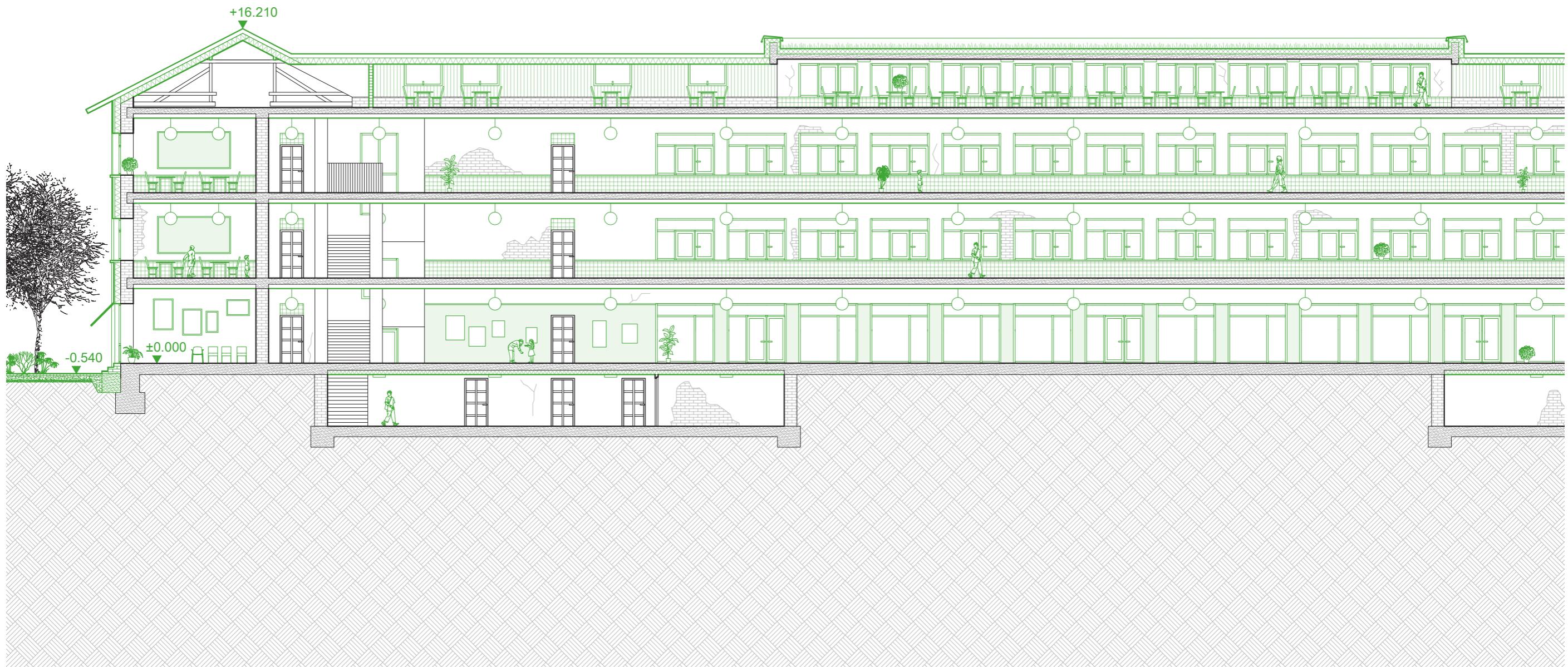
building IV.



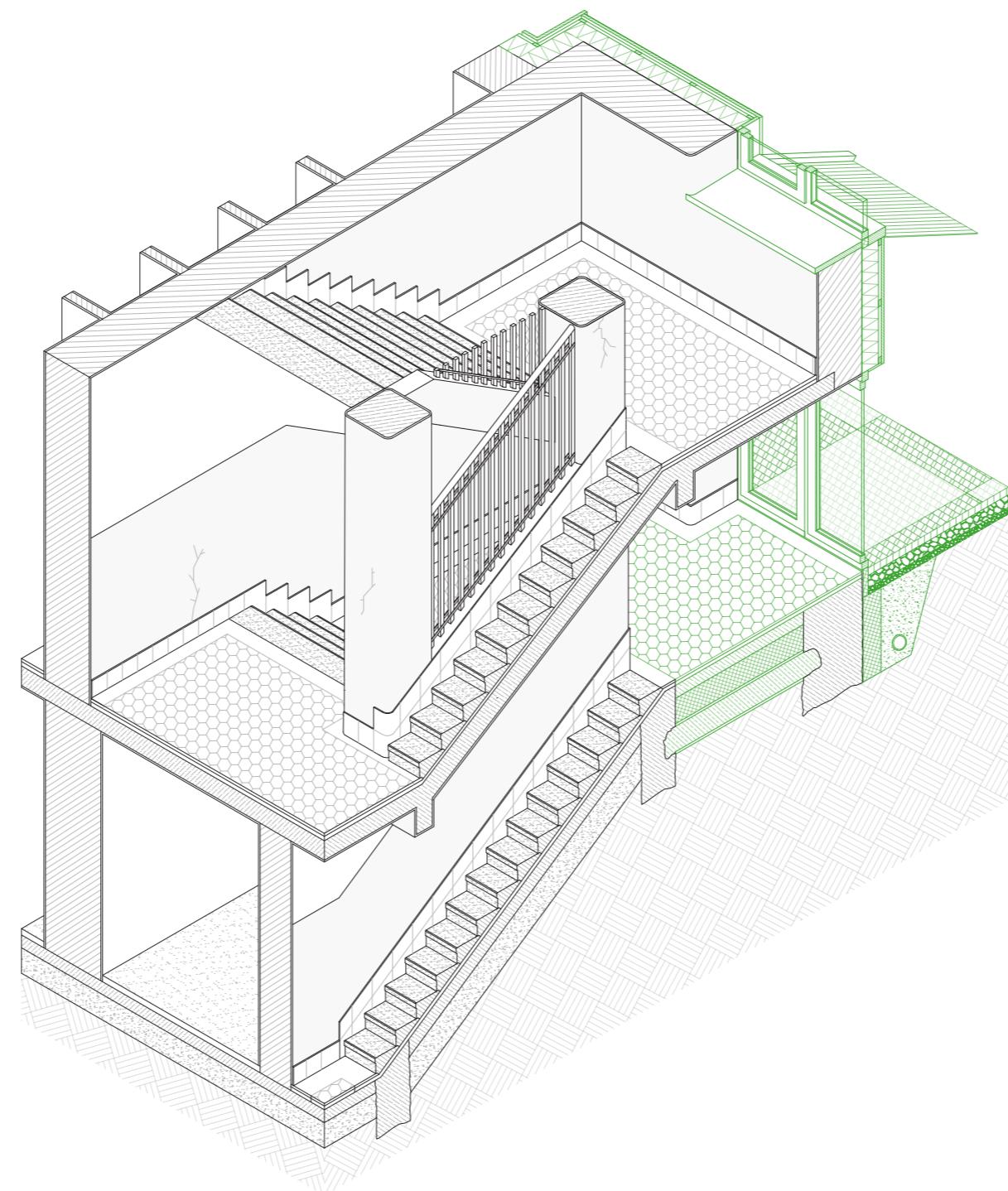
cross section  
building IV., double-height spaces



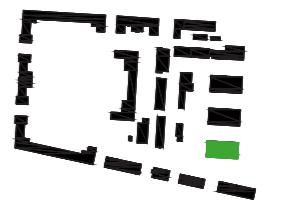
longitudinal section  
building V., connecting part, building IV.



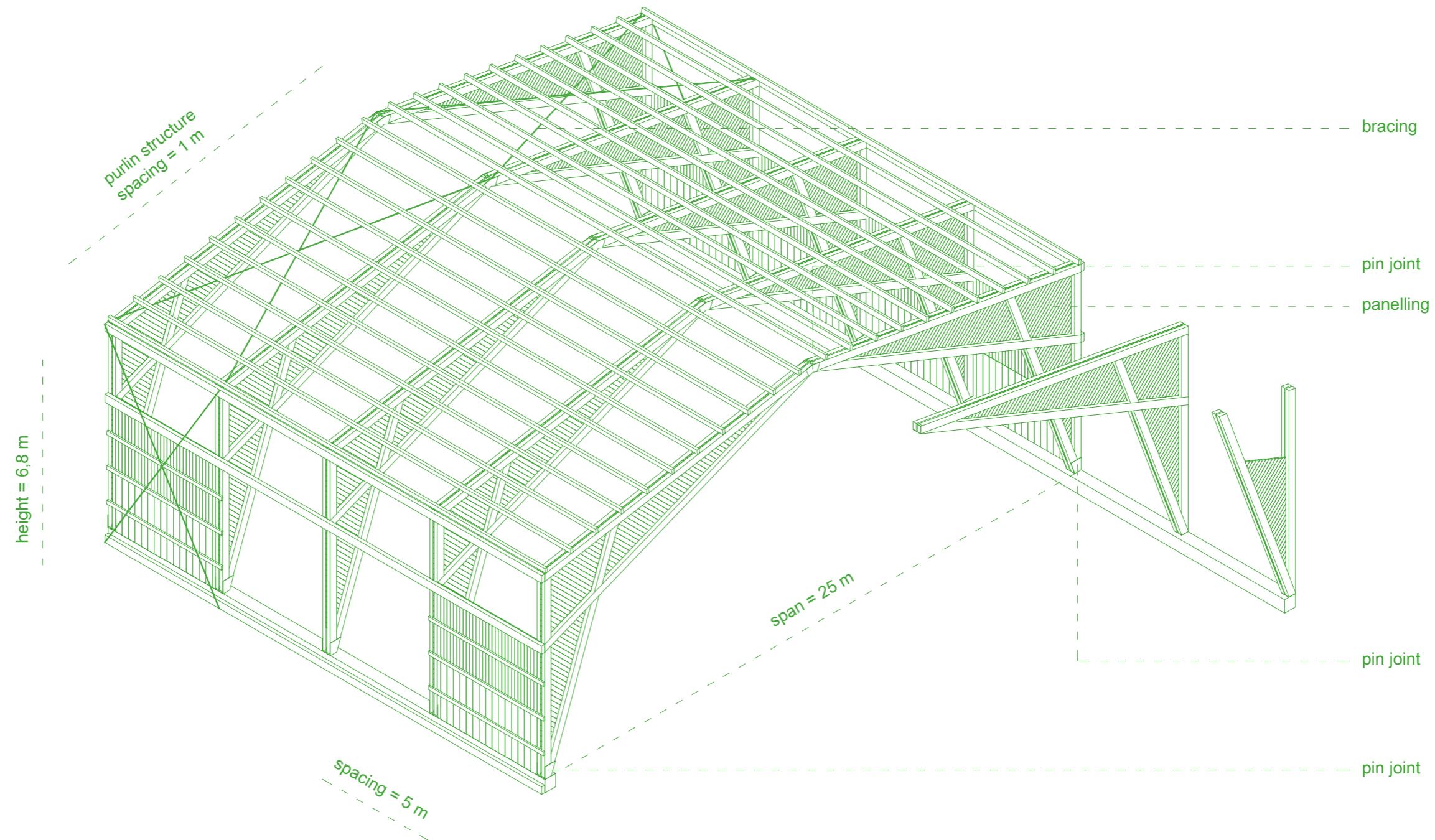
longitudinal section  
building V.



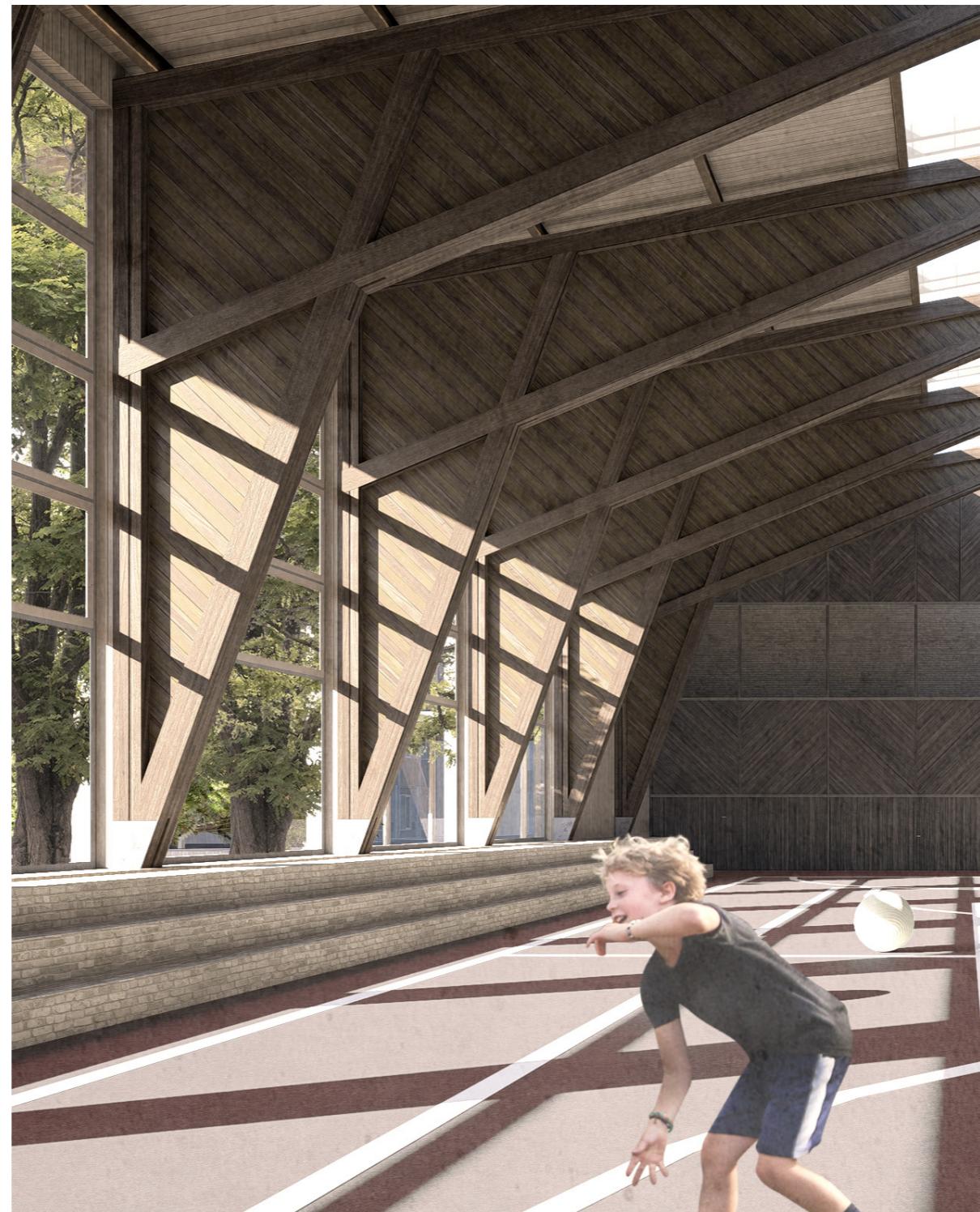
building IV.  
staircase fragment



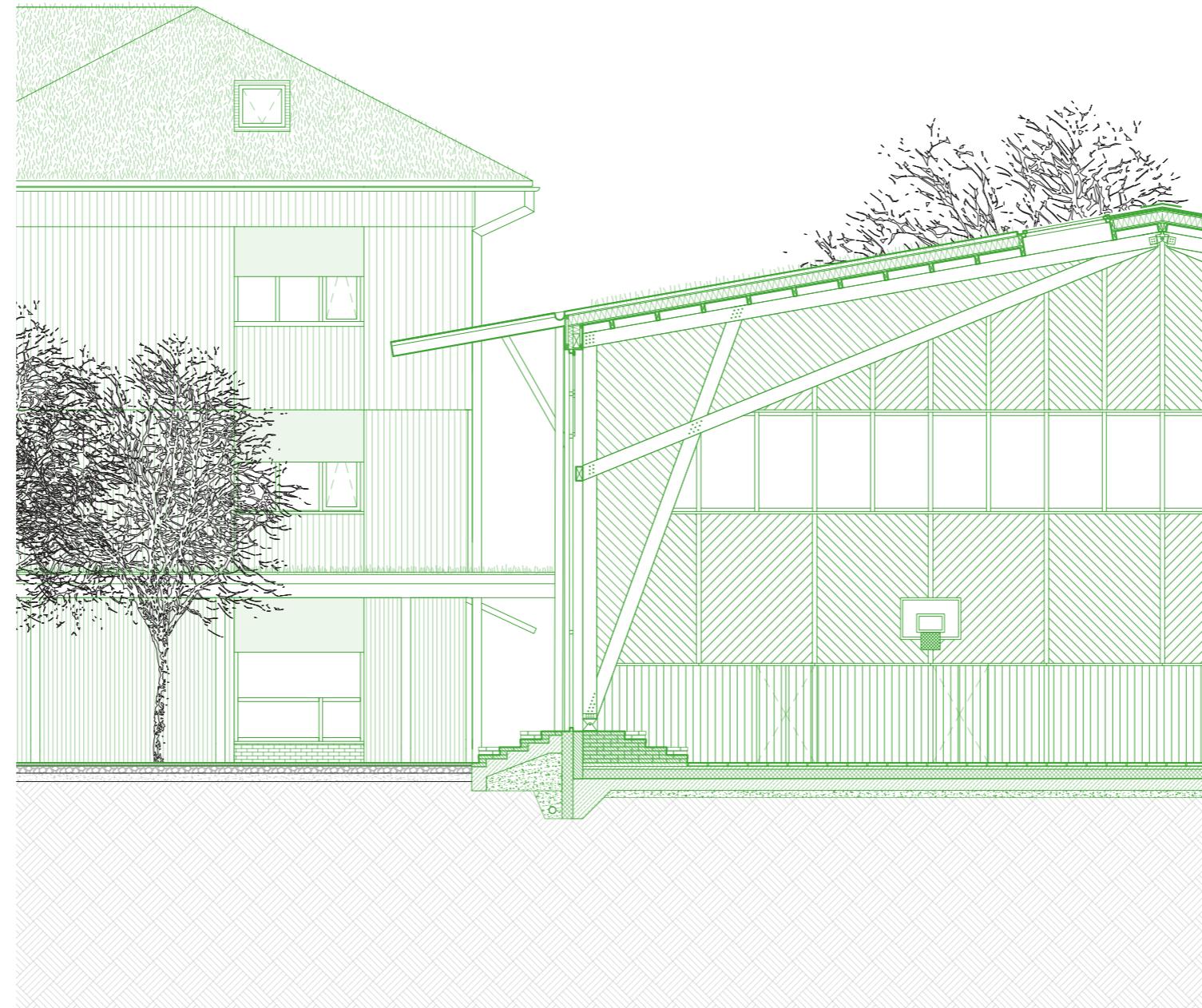
truss beam with panelling on a masonry wall, 2024  
building XX.



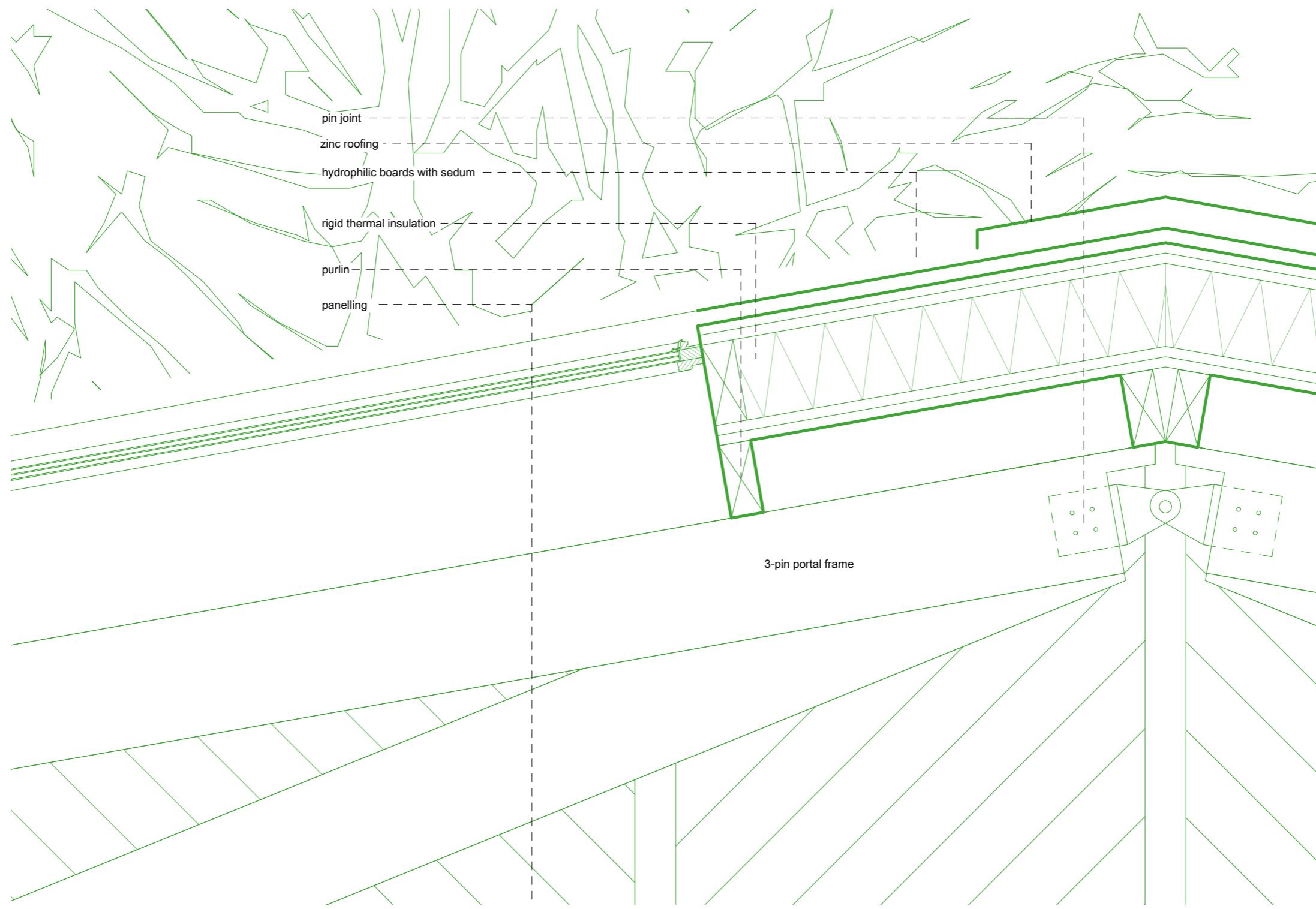
sports hall structural scheme  
3-pin portal frame with panelling on a recycled brick wall



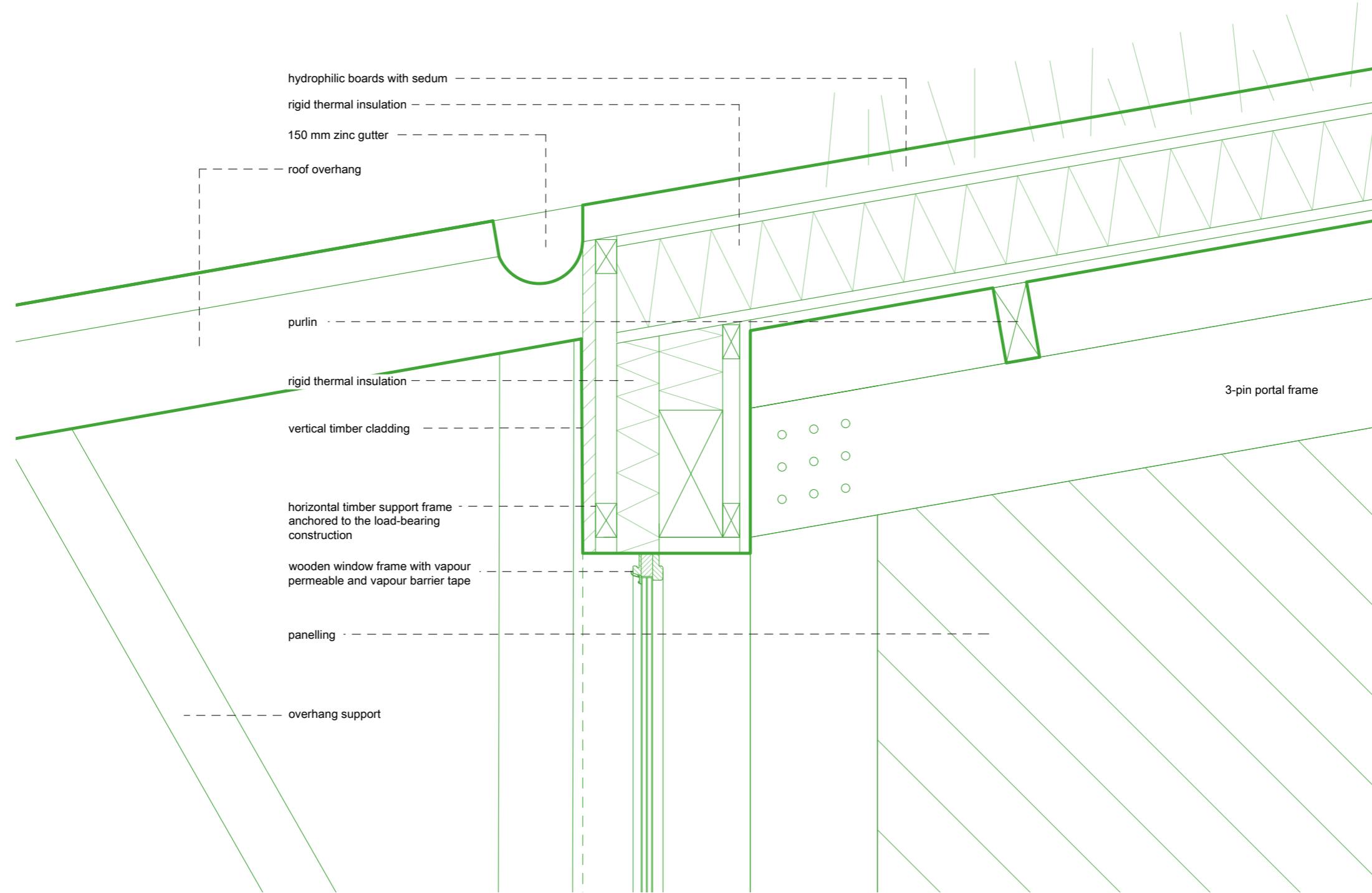
sports hall  
recycled brick tribune mirrored to the interior and exterior



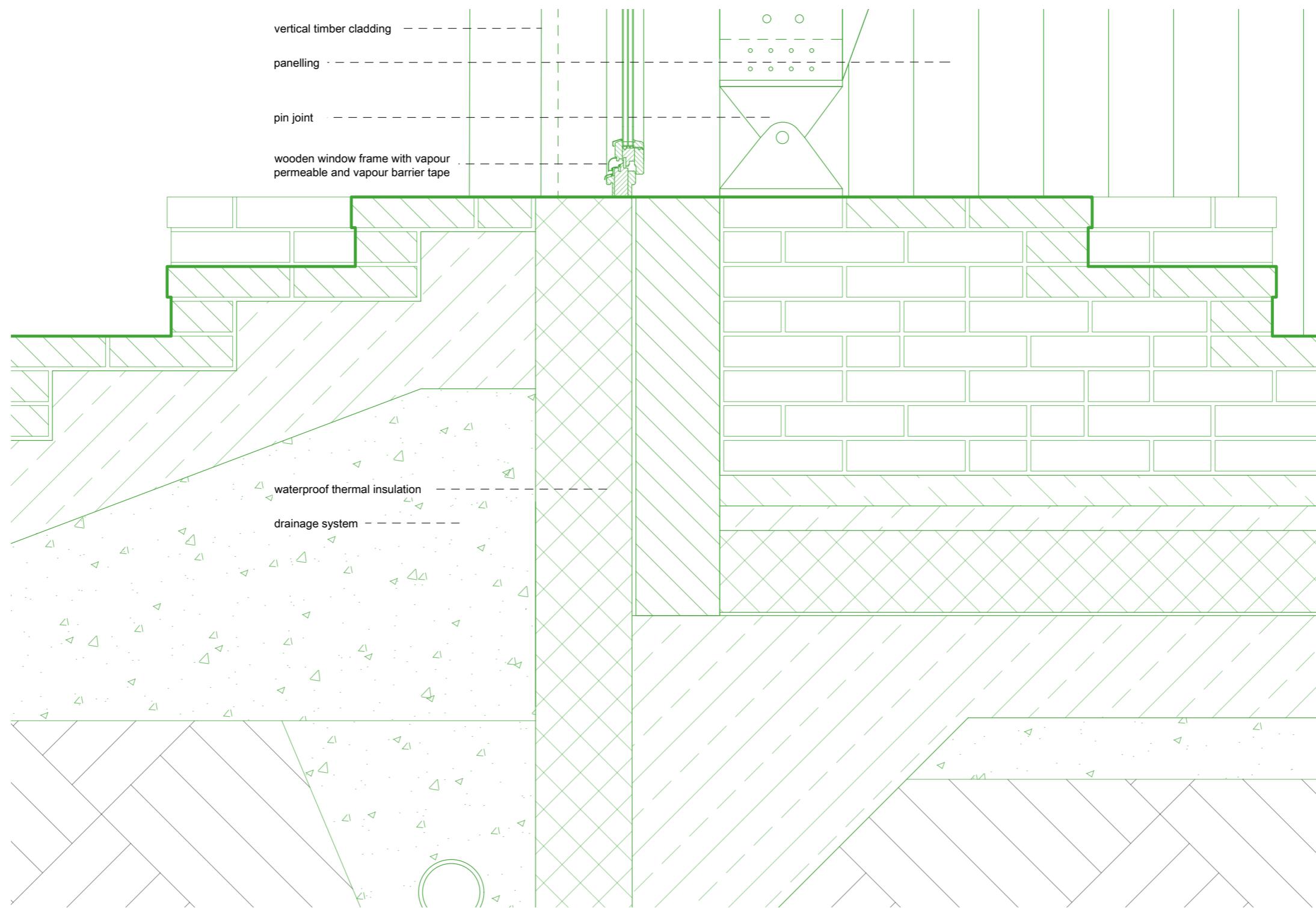
sports hall



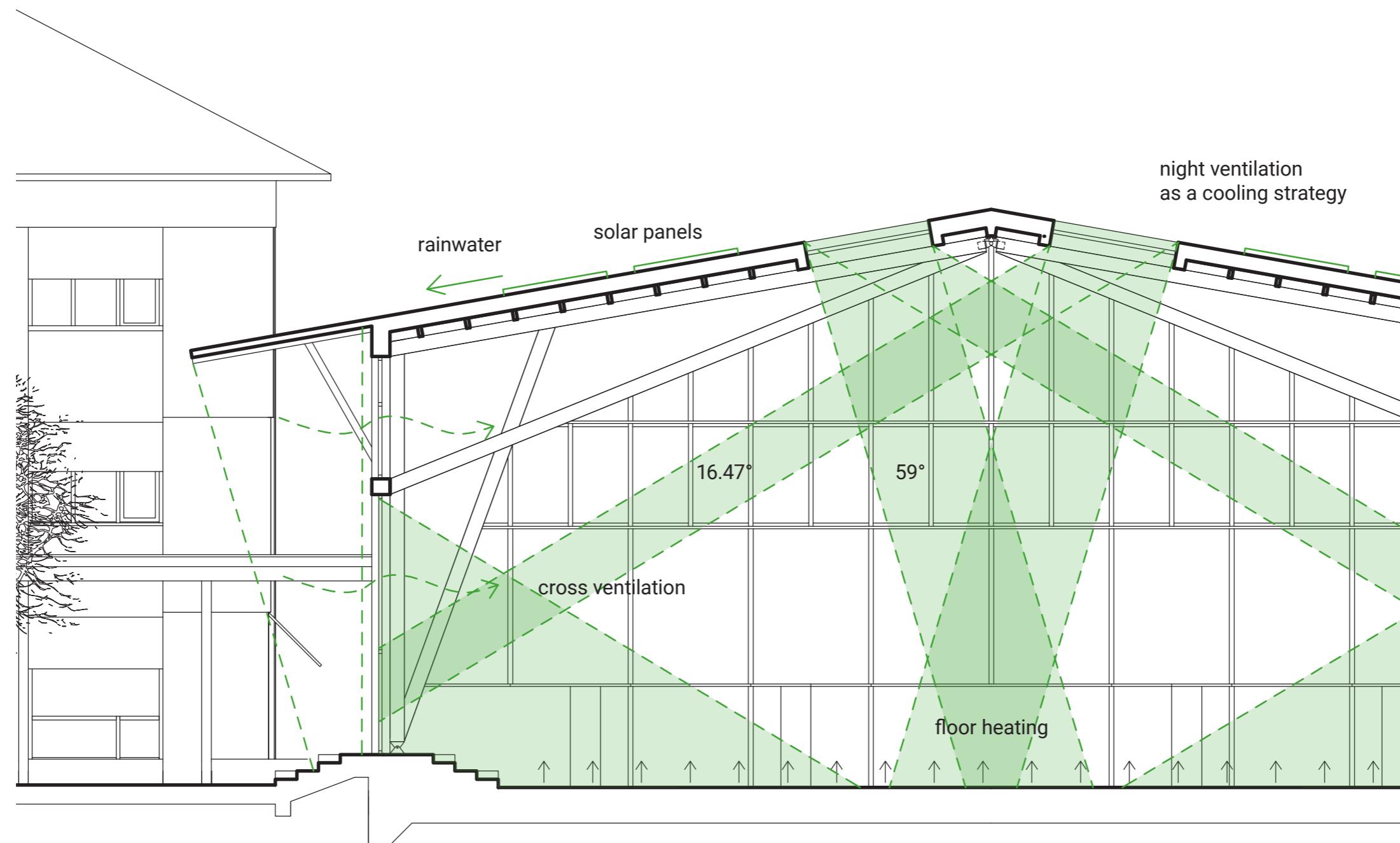
sports hall



sports hall  
skylight and pin joint



sports hall  
foundations and pin joint

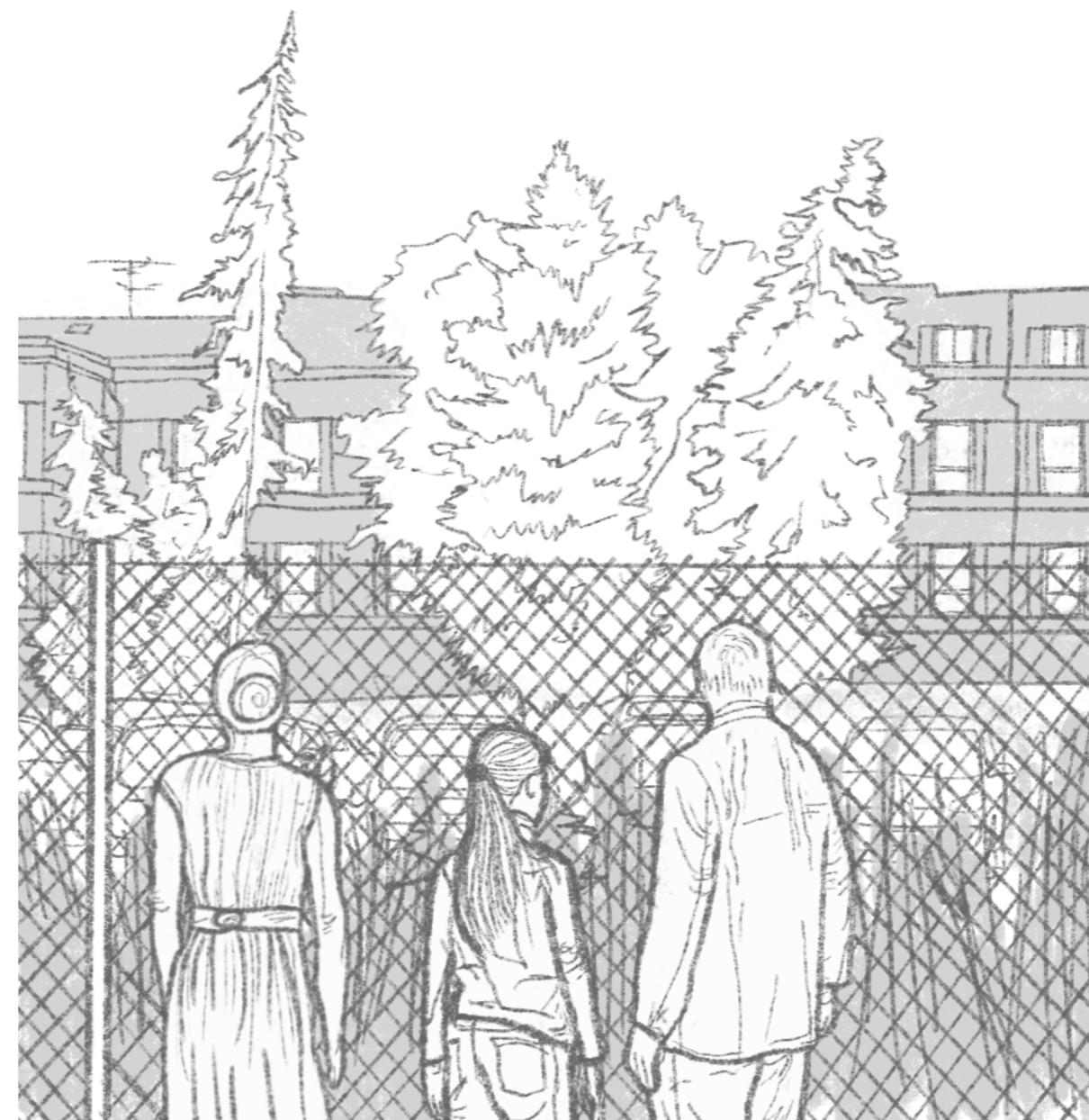


heating system, thermal insulation, ventilation

How could this story happen?



Once, soldiers and trains shaped this place.  
Now, only memorial and empty buildings remain.



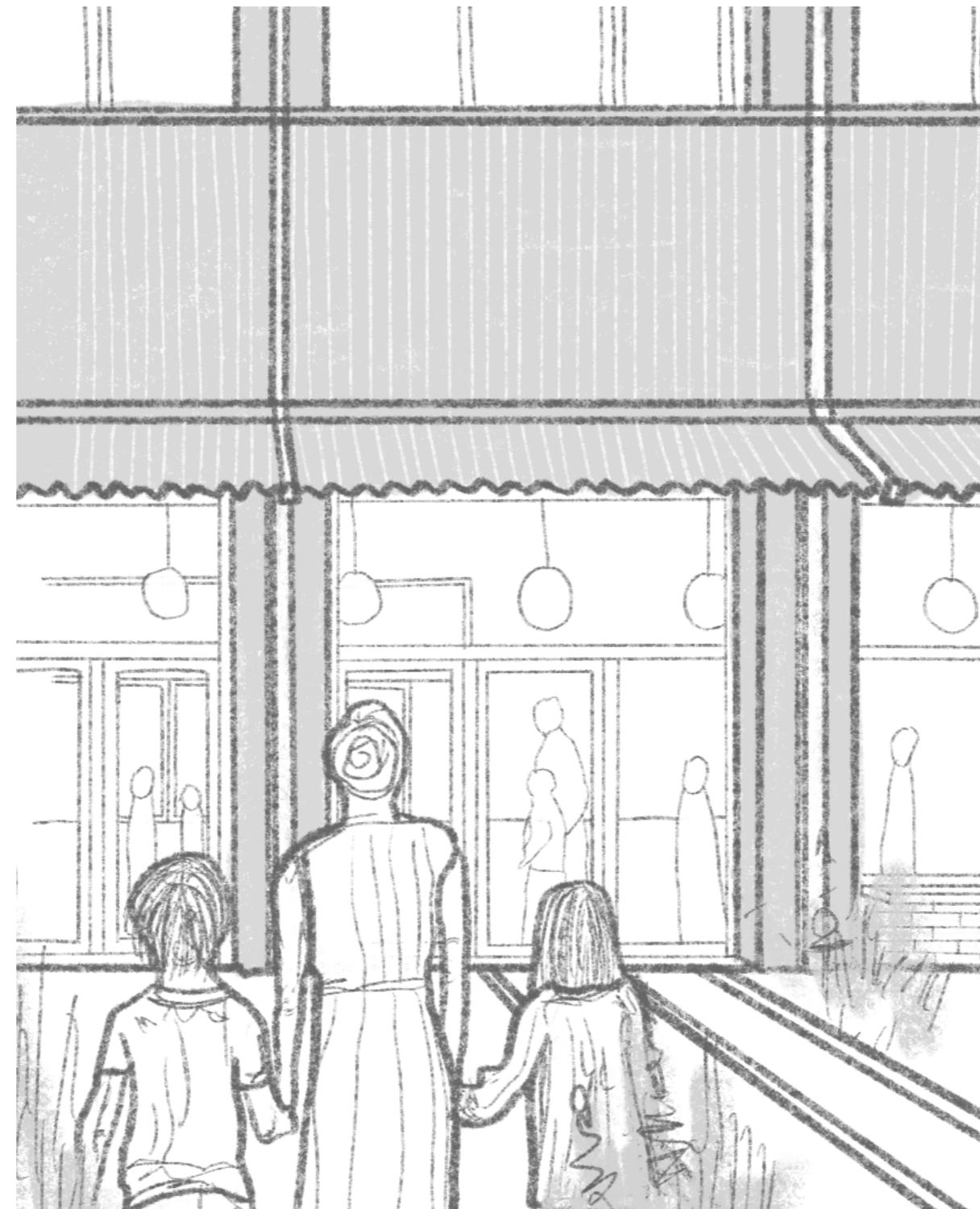
Neighbours stood at the fence, staring in.  
What is behind and why cannot we go in?



One day, the neighbours met on the parking lot.  
Together, they planned how to reuse the site.



They transformed the car park into a meadow.  
A green space open to all.



Now, anyone can come along the railway tracks.  
Traces of the past guide the way to the school.



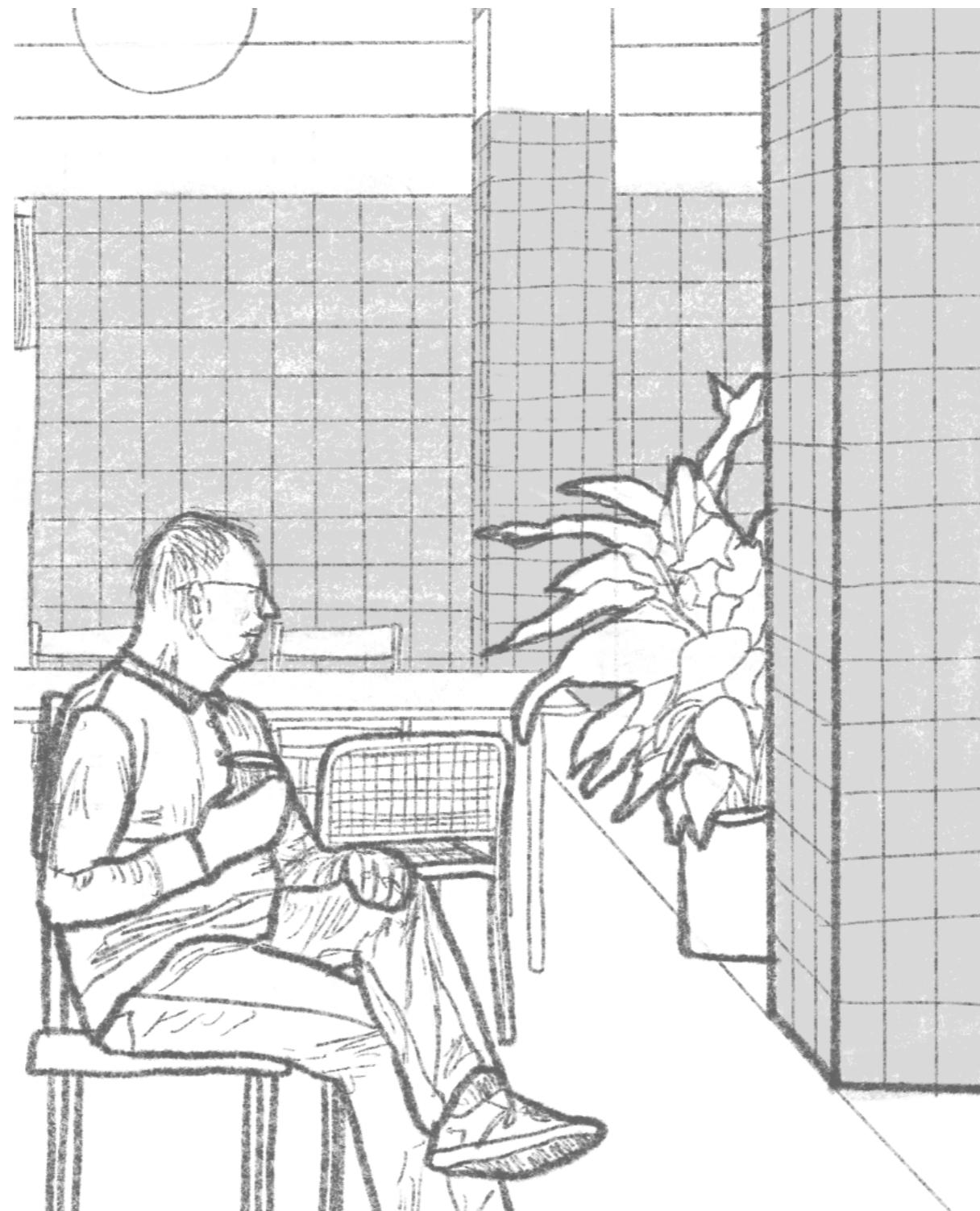
Robust walls open into nooks.  
They welcome with warmth, like a home.



Old windows frame new views.  
Light, play, and questions fill the rooms.



Learning does not stay behind walls.  
It happens in gardens, halls, and under trees.



Neighbours come to eat, garden or paint.  
The school is also part of their day.



Memory lingers, and life returns.  
Rooted in history, open to all.

reflection



Alternative Future of Masaryk Barracks in Pardubice