

A black and white photograph of a detailed architectural model. The model depicts a complex of buildings with various forms, including a large, curved structure on the left and several rectangular buildings with grid-like window patterns. A small tree is placed within the courtyard area. The model is set against a blurred background of other buildings, suggesting an urban environment.

# 'the secret gardens'

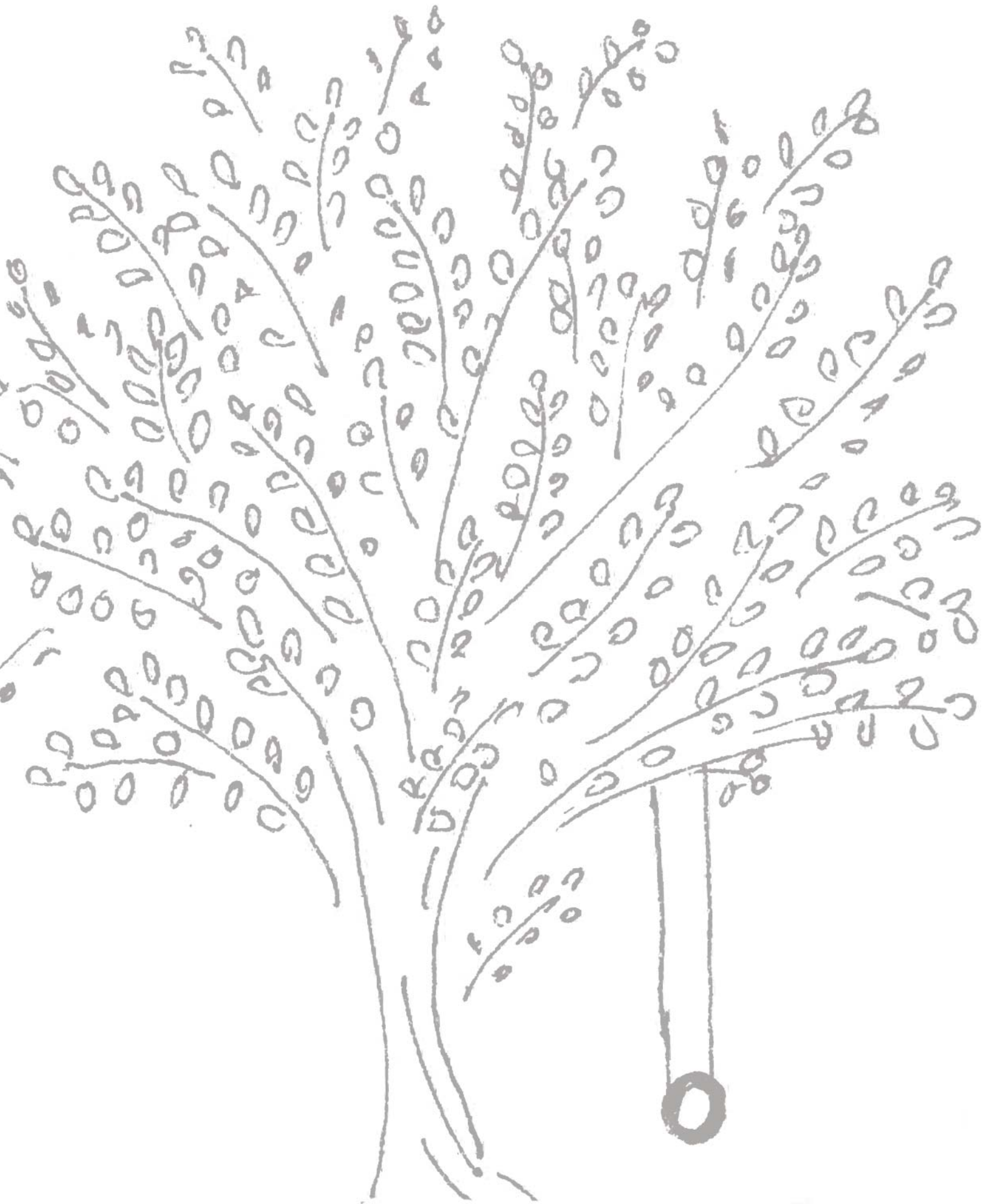
a childrens mental health center in an urban environment

L.K.E. Suijker - 1503545

The Architecture of the Interior, health  
P5 Presentation - 10-04-2015

Eireen Schreurs, Mechthild Stuhlmacher, Jelke Fokkinga

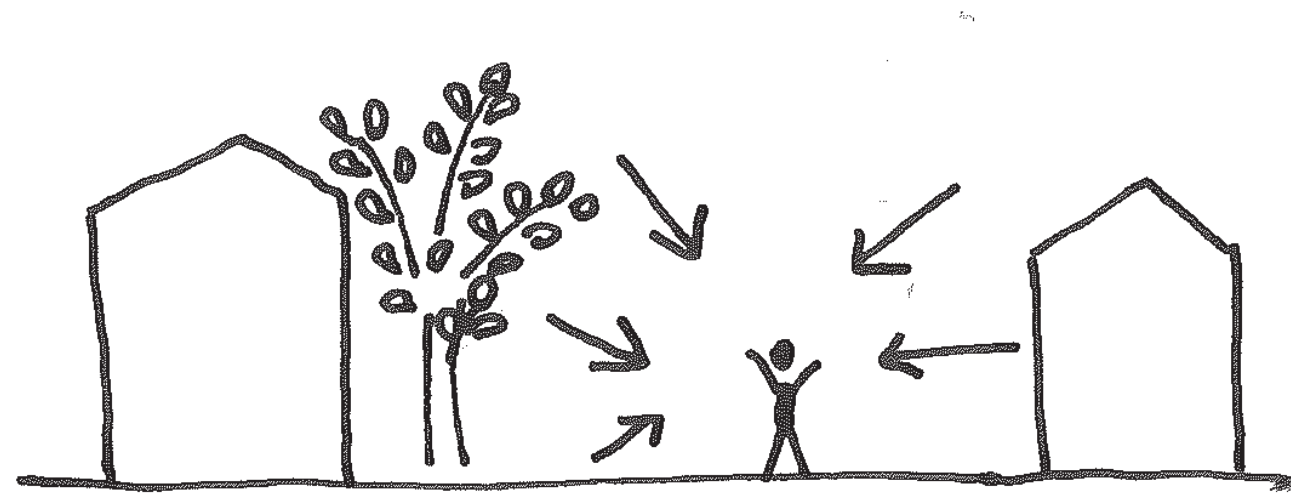
## contents



1. research and usergroup
2. design task
3. concept
4. urban implementation
5. design
6. walk through the building
7. reflection



fascination



positive influence of surroundings



4 - 12 years old



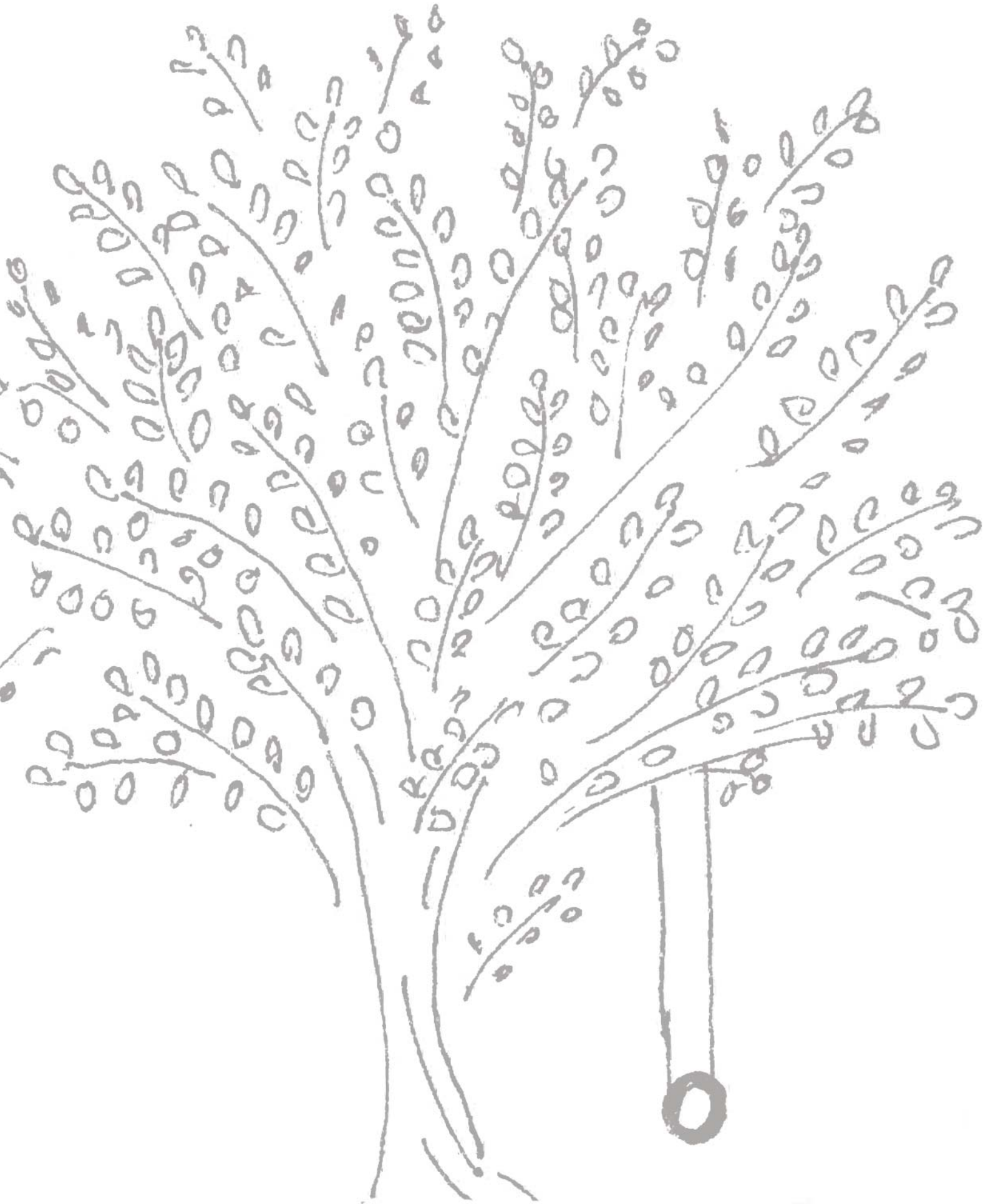
usergroup & research  
case studies



centrum jeugd breda - by EGM Architecten



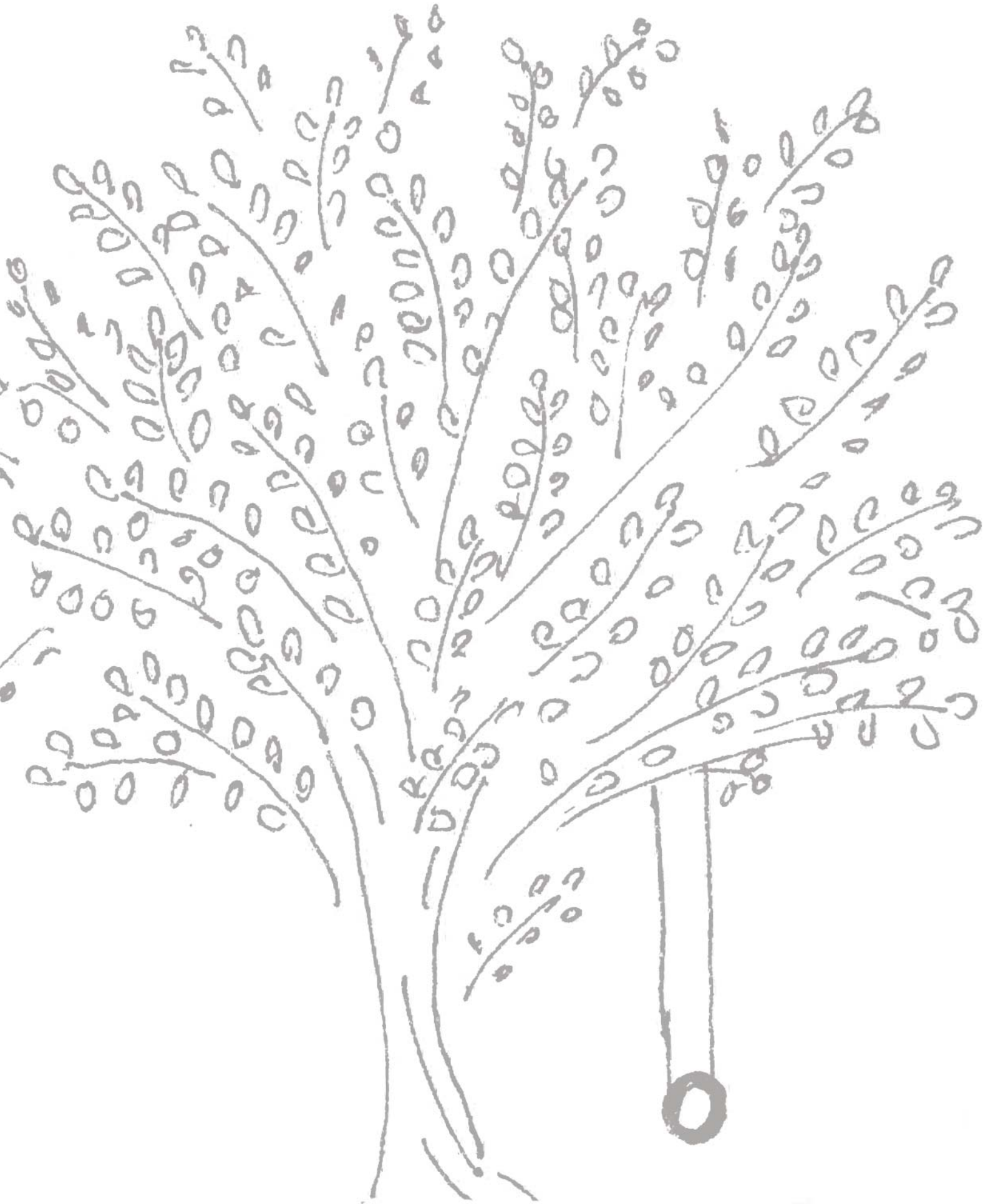
**usergroup & research**  
program



- in-patients clinic
- out-patients clinic
- poli-clinic
  
- special education school

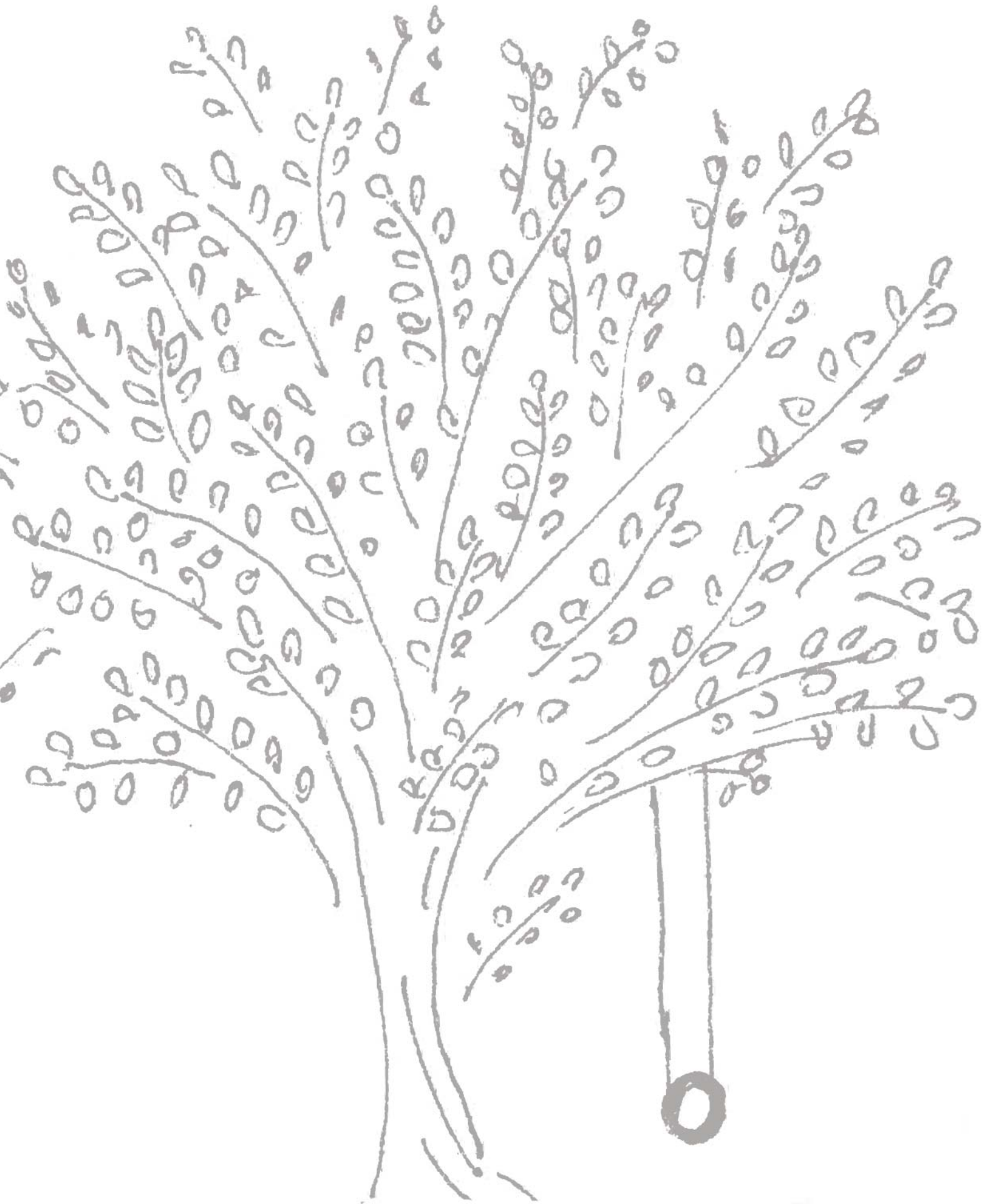


**usergroup & research**  
disorders



- behavioral problems
- emotional disorders
- autism

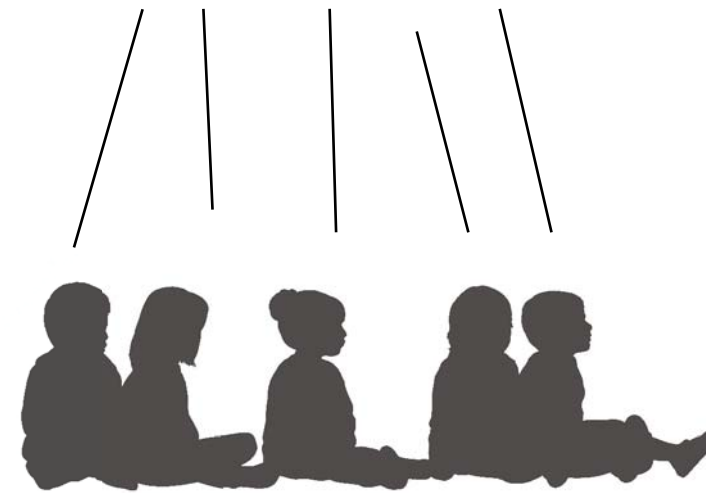
usergroup & research  
disorders



behavioral problems



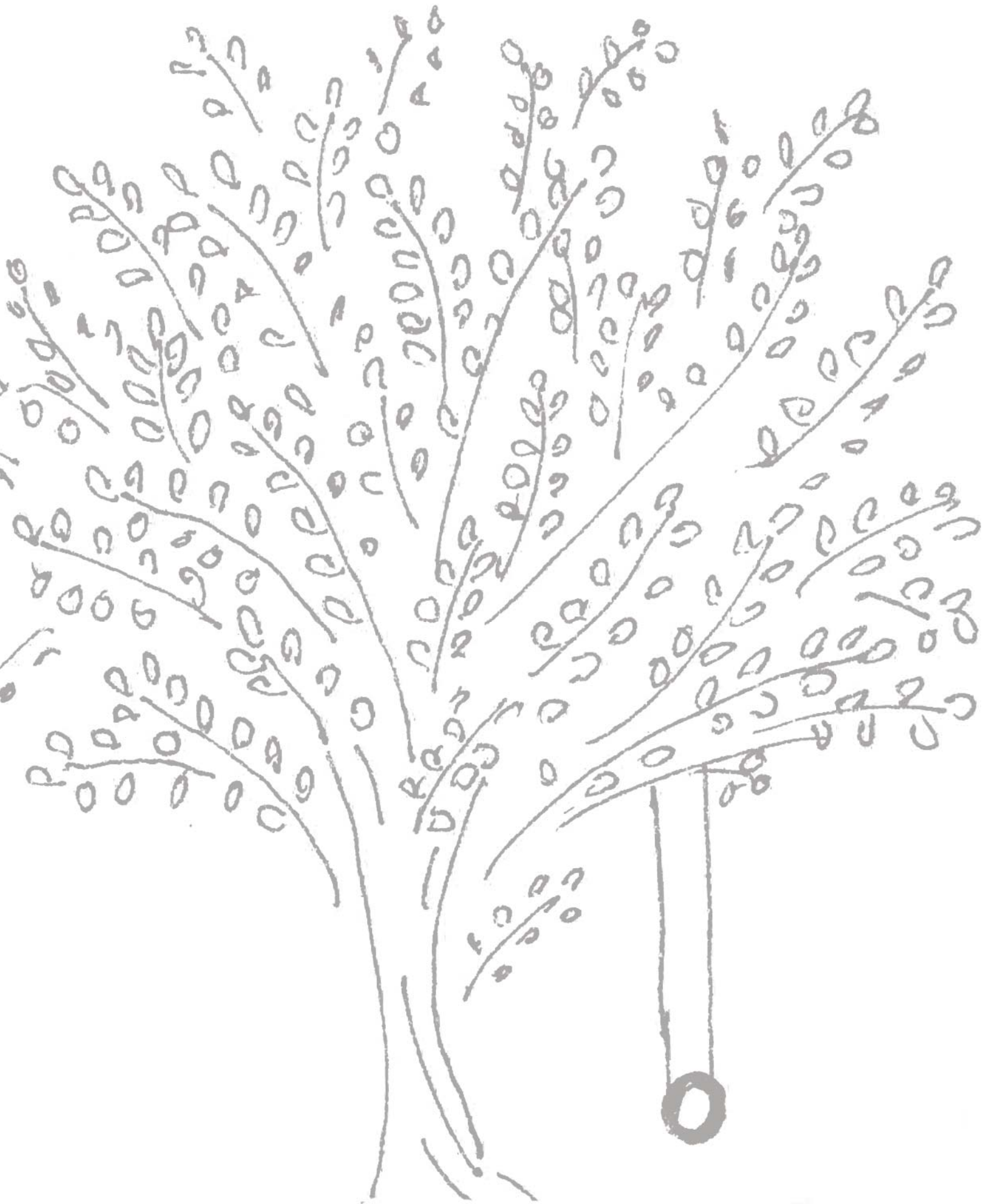
emotional disorders





**usergroup & research**  
integration in society



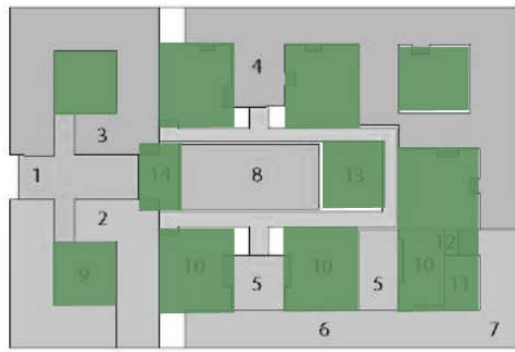


## design task

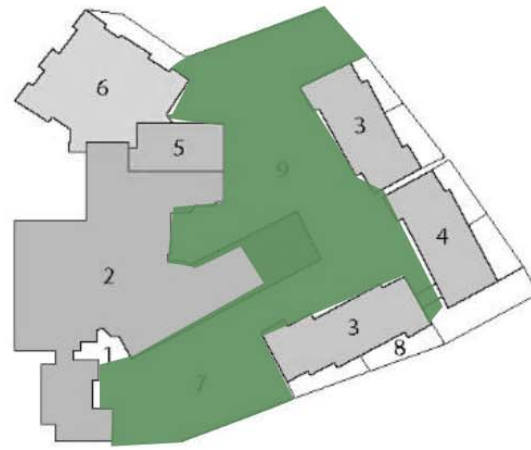
How can we integrate vulnerable group in society, while at the same time offer them a safe and protected environment?



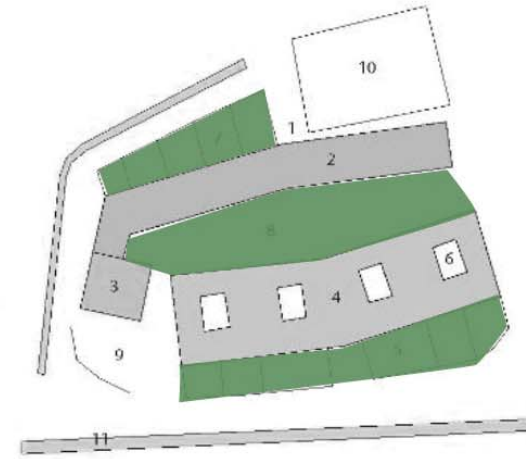
**usergroup & research**  
outdoor spaces



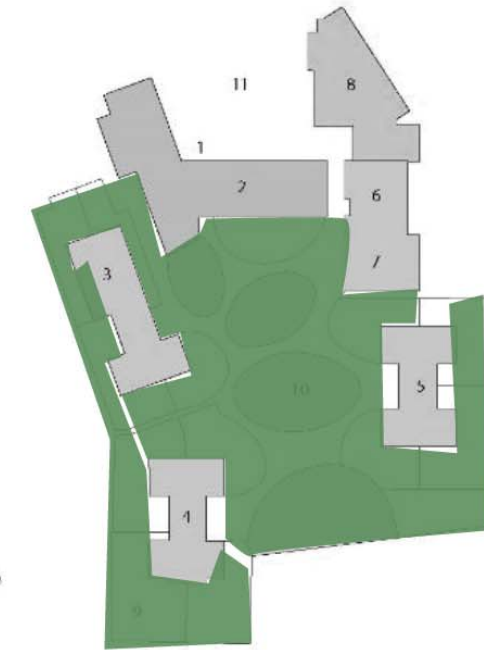
De Bascule AMC



De Bascule Duivendrecht



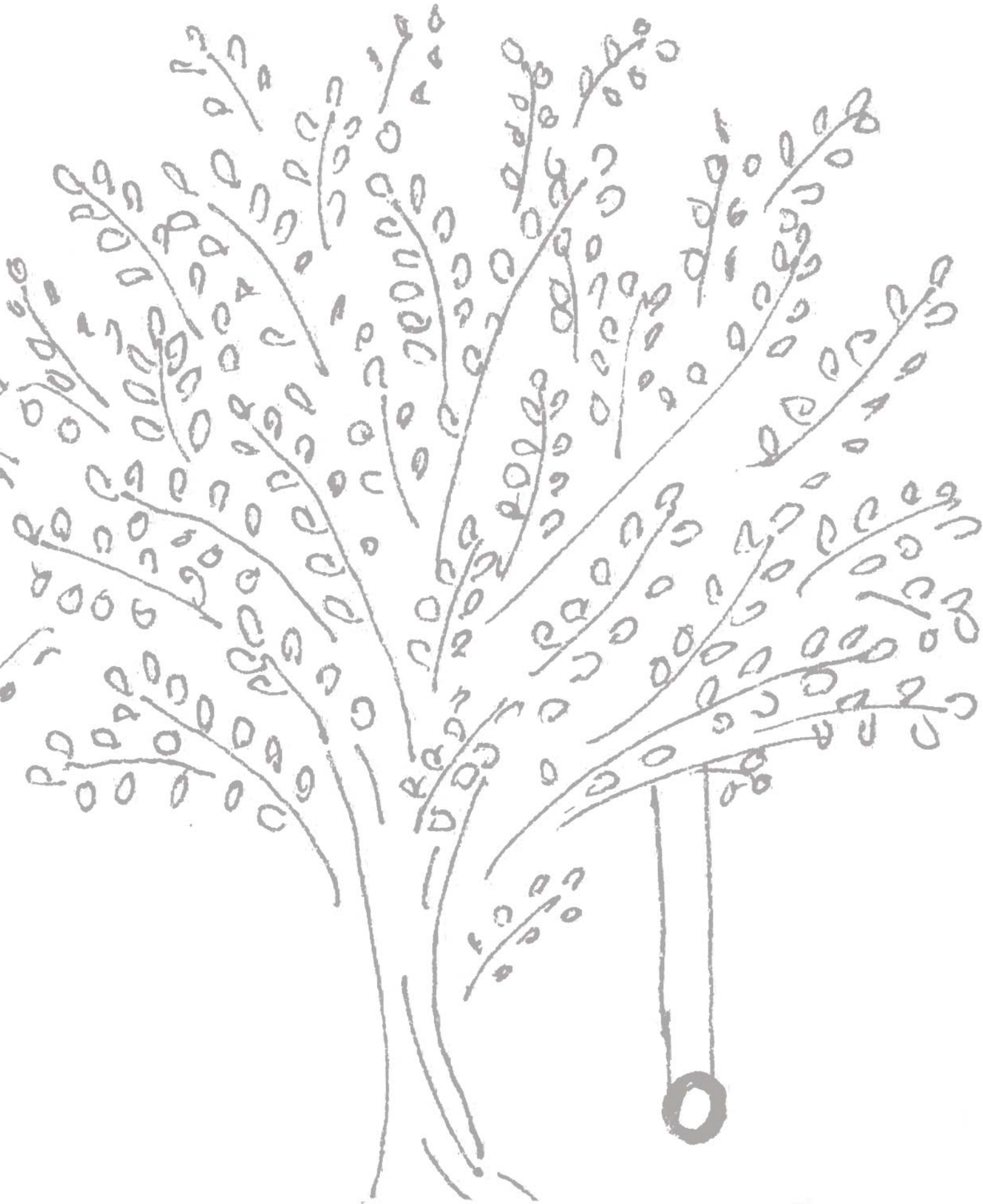
Centrum Jeugd Breda



Yulius

## usergroup & research

importance of outdoor green spaces



- stress recovery
- social cohesion
- stimulation of physical activity
- development of children
- visibility of seasons
  
- improve inner-city climate



**location**  
Rotterdam





## location

Rotterdam, marconiplein





## location

Rotterdam, marconiplein





location  
neighborhood





**location**  
neighborhood





## location

existing urban fabric





**location**  
existing situation





# location

existing situation





# location

existing situation





## location

existing monastery





## location

existing monastery





## location

existing monastery





## location

existing monastery





## location

existing monastery





## location

existing monastery





## location

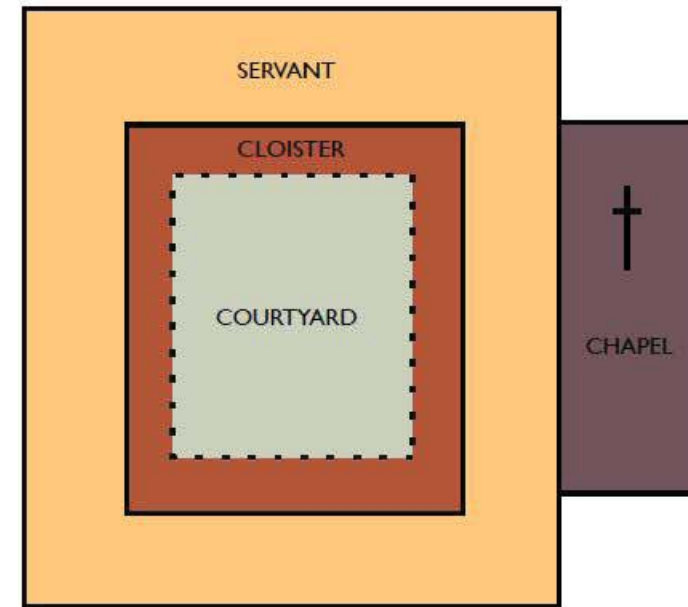
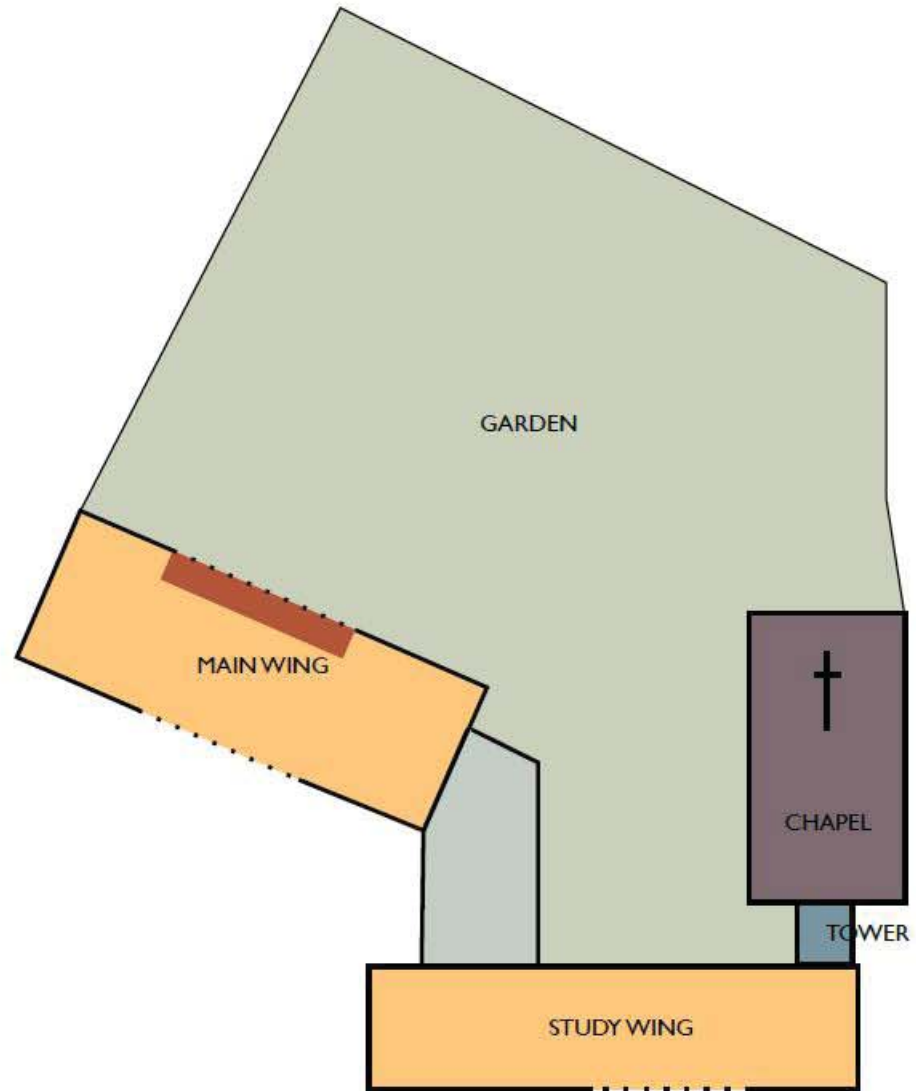
existing monastery





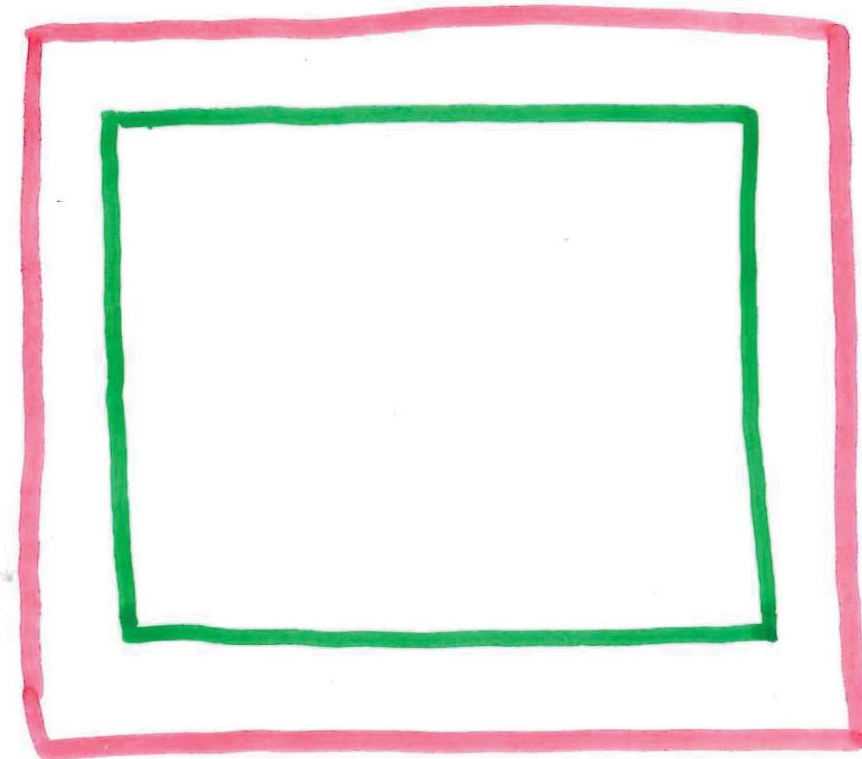
# location

typology monastery



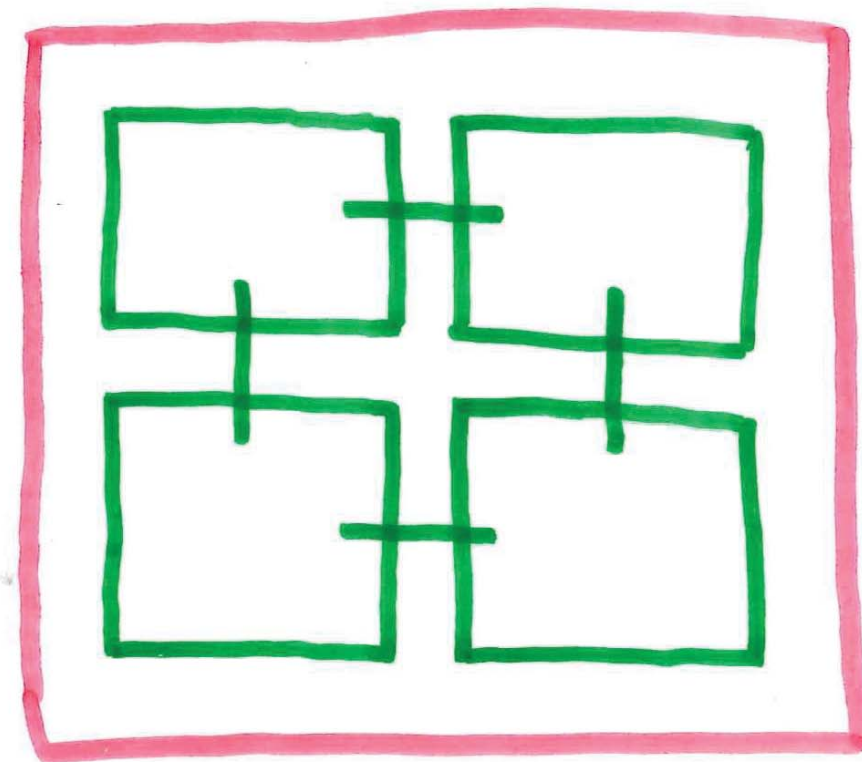


spacial concept



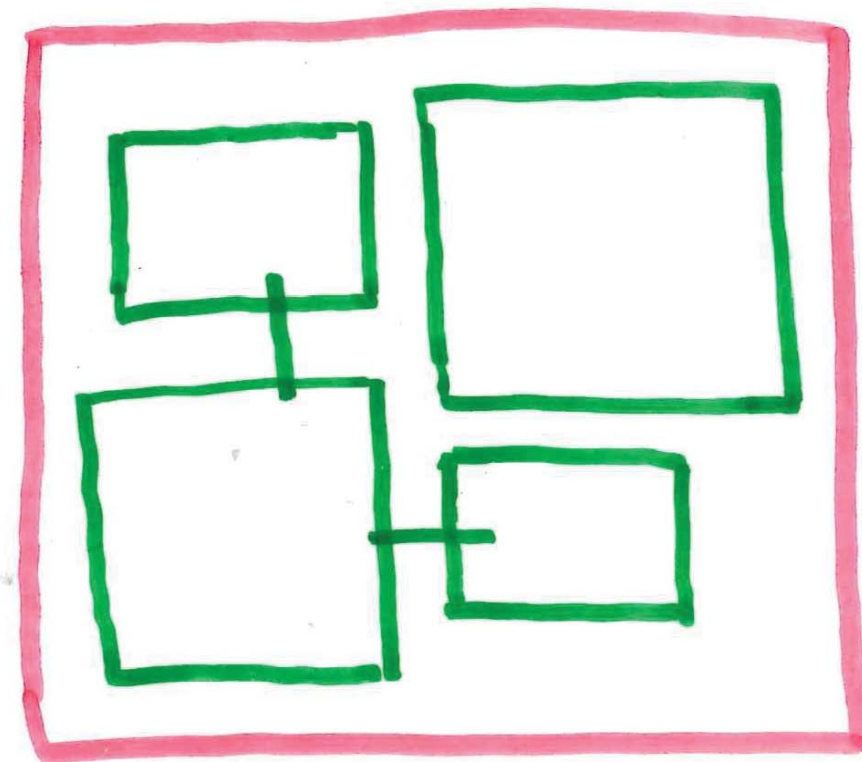


spacial concept



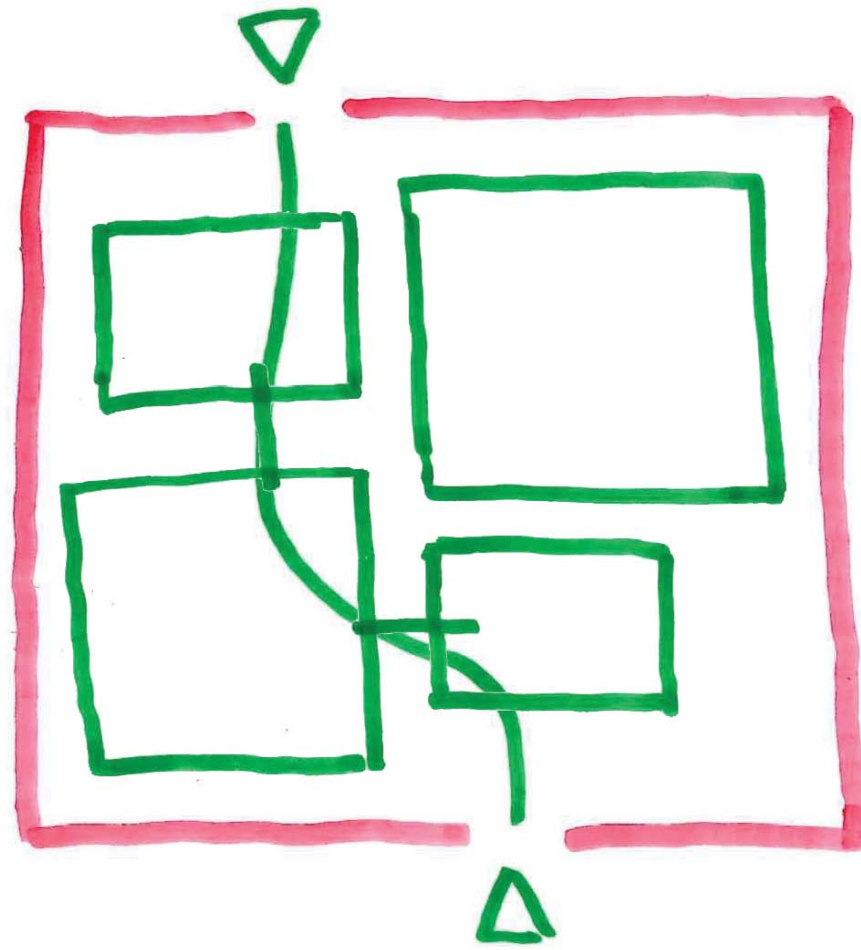


spacial concept



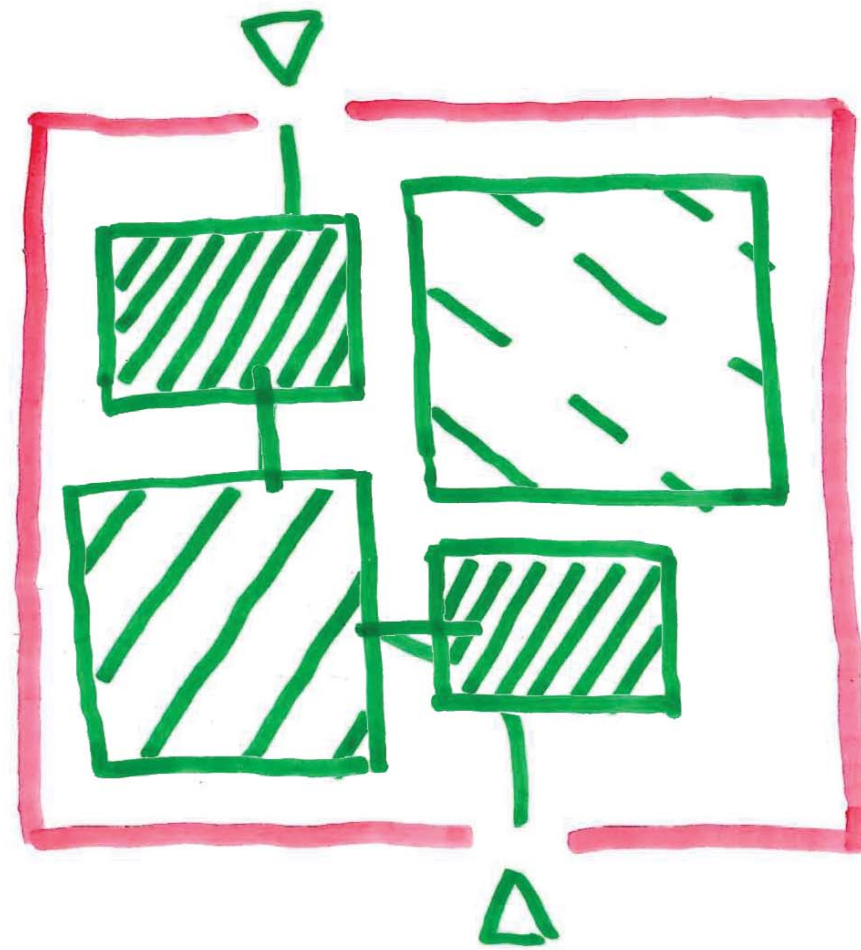


spacial concept





spacial concept





# location

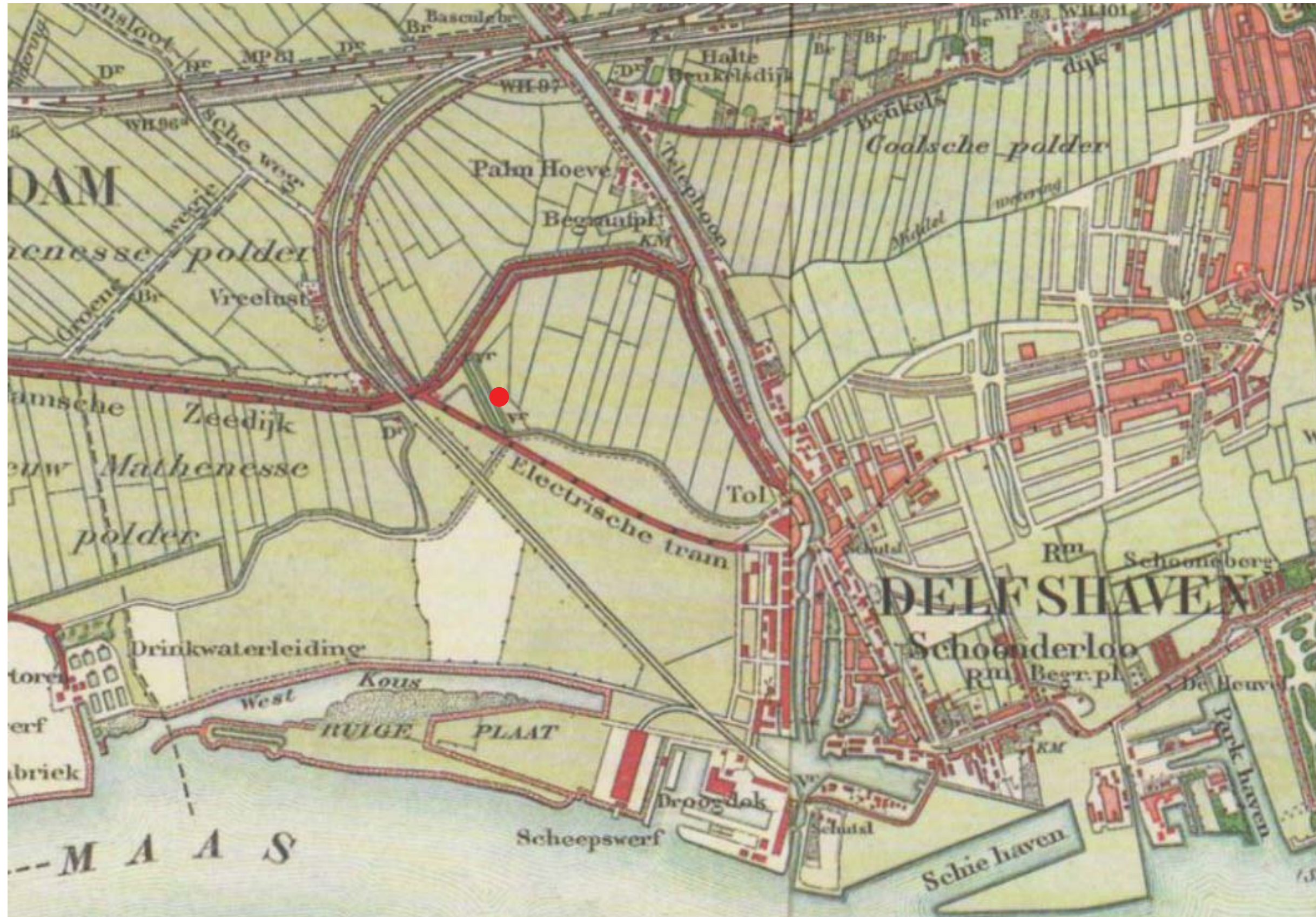
existing situation





location  
history

● design location

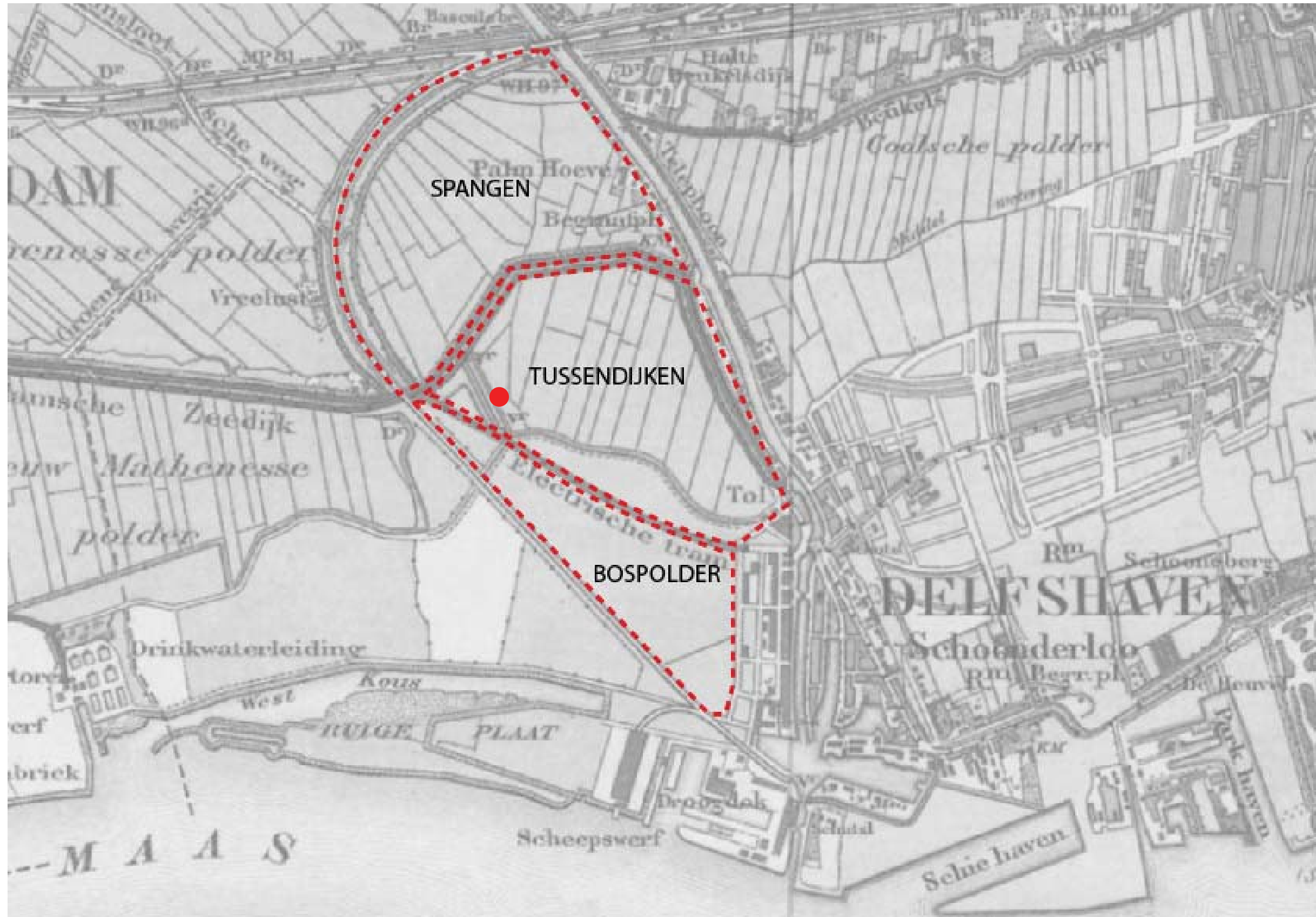


topographic map of Rotterdam, 1901



location  
history

- design location
- - - edge of districts





location  
history



● design location

plan by P. Verhagen, 1914



# location

pre-war situation, ca. 1930

● design location





**location**

mathenesserweg, ca. 1930





# location

## corners





# location

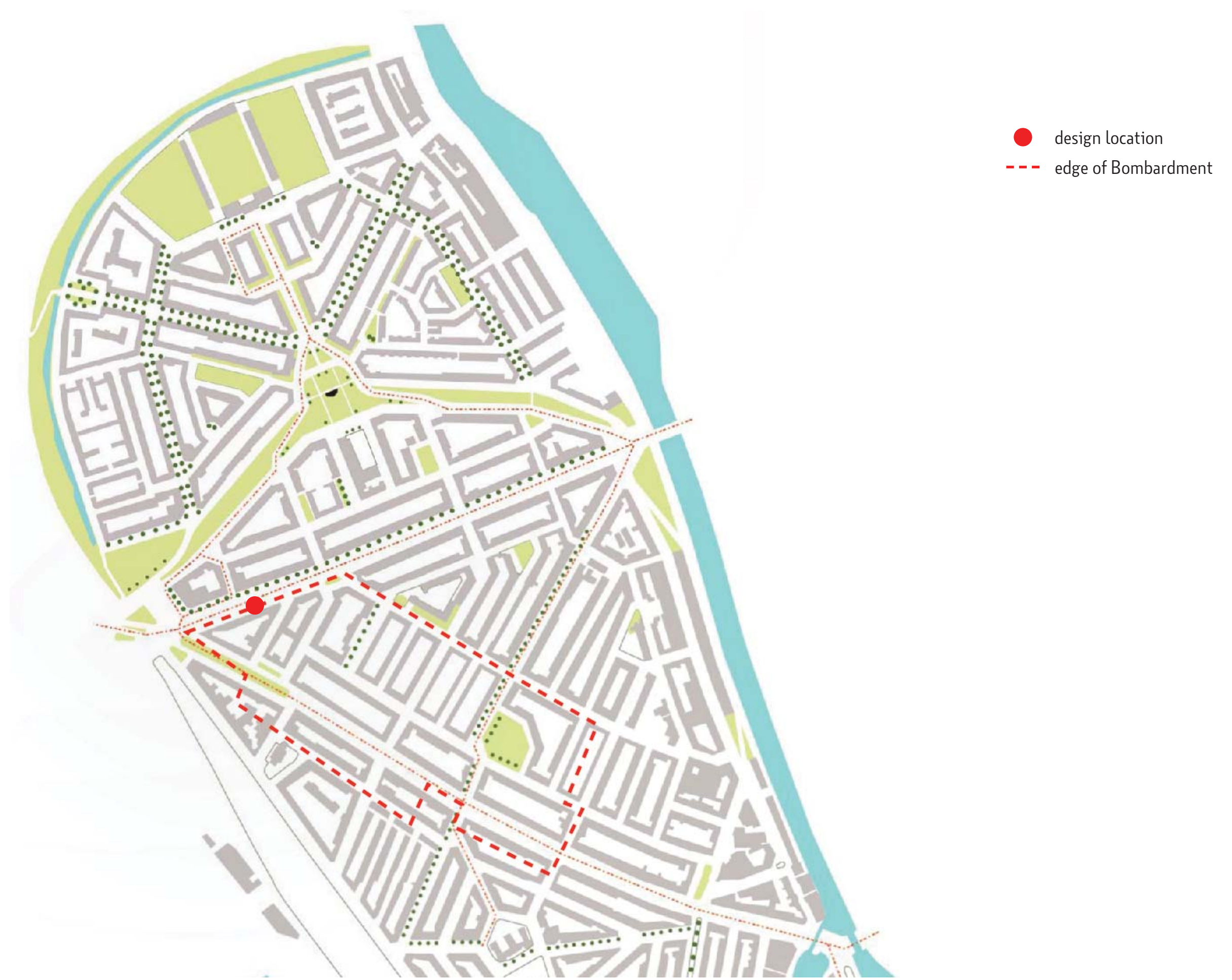
entrance mathenesserweg





# location

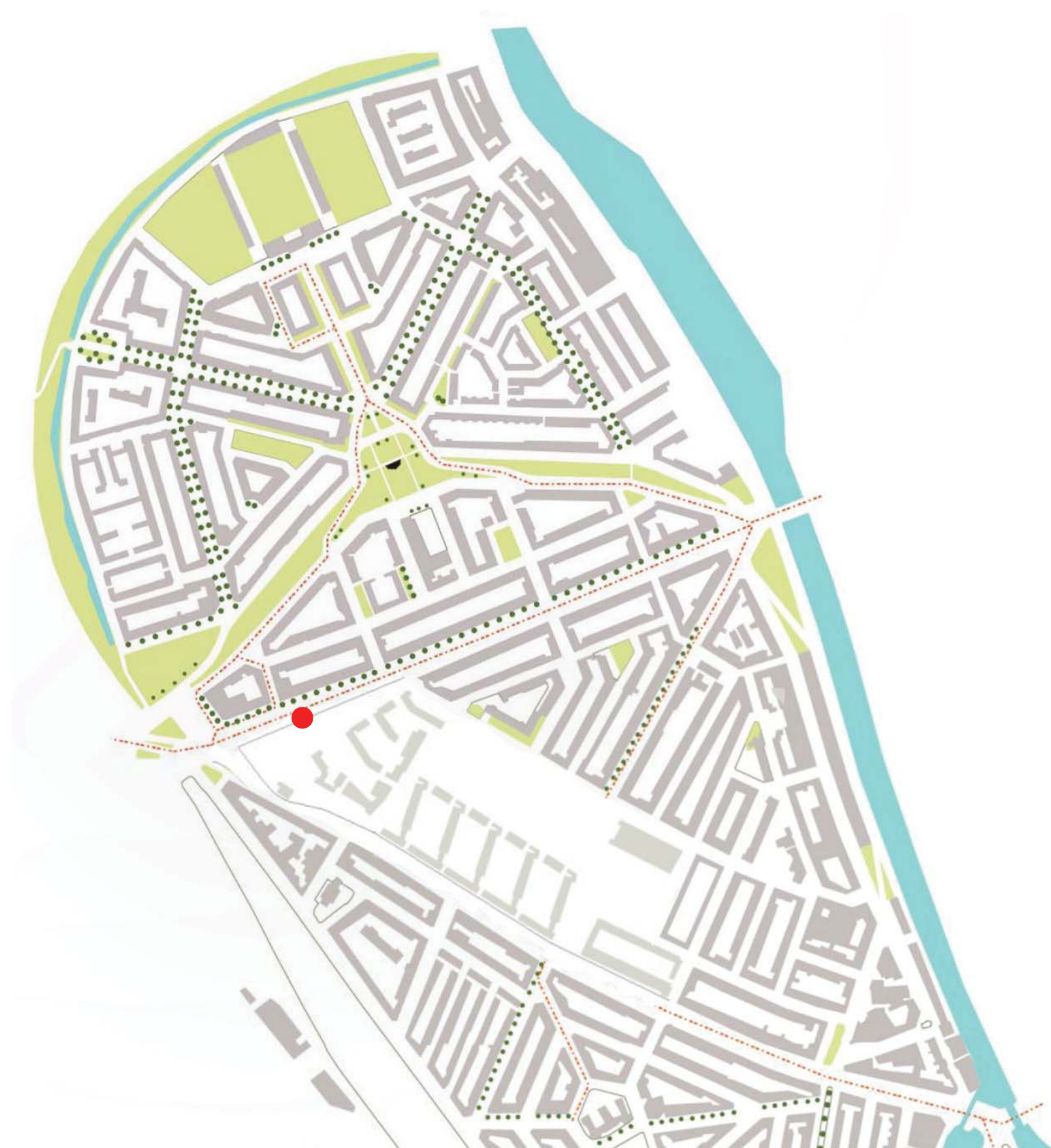
area of bombing, 1943





# location

post-war situation, ca. 1950



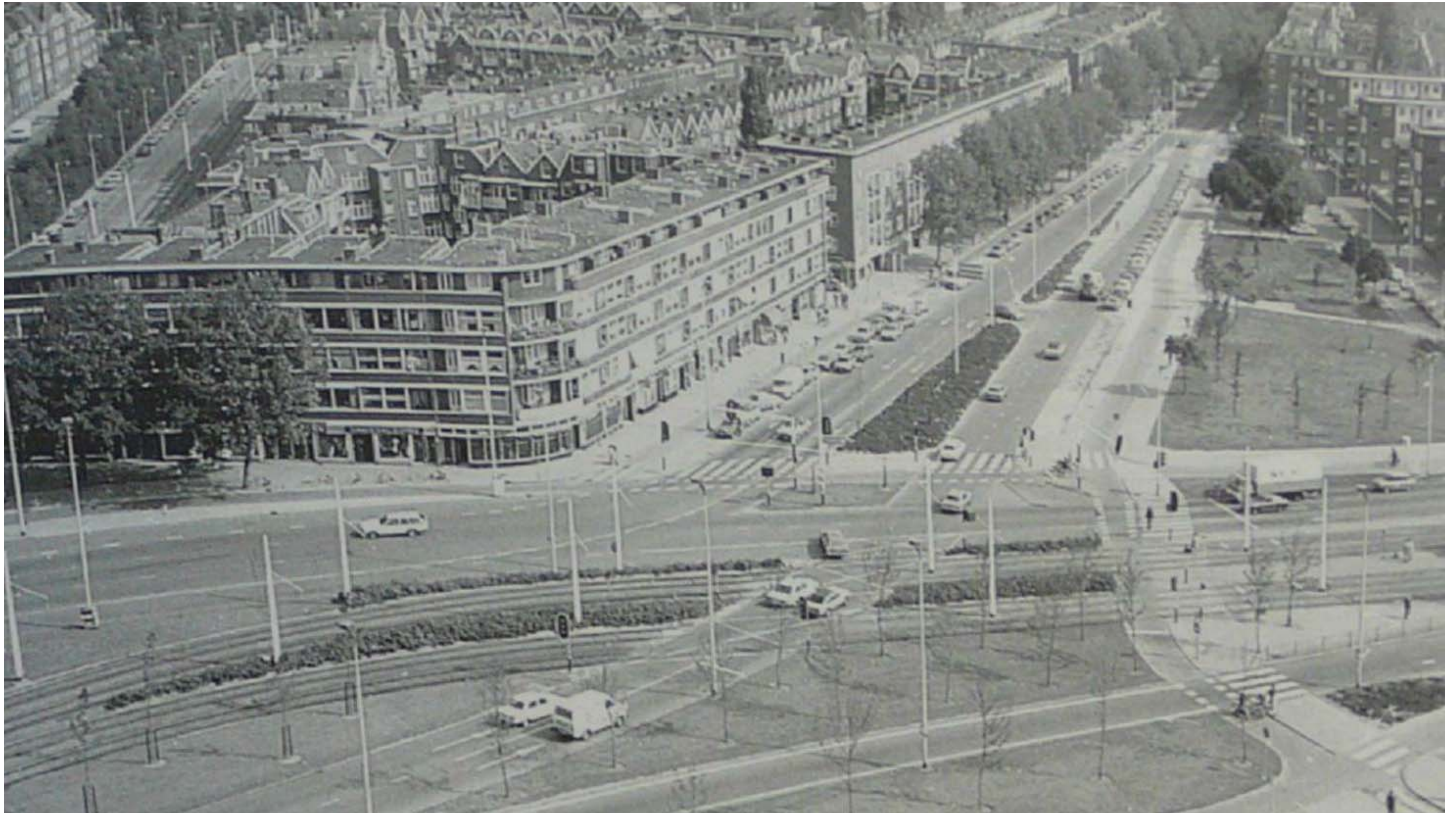
● *Design location*







location  
history

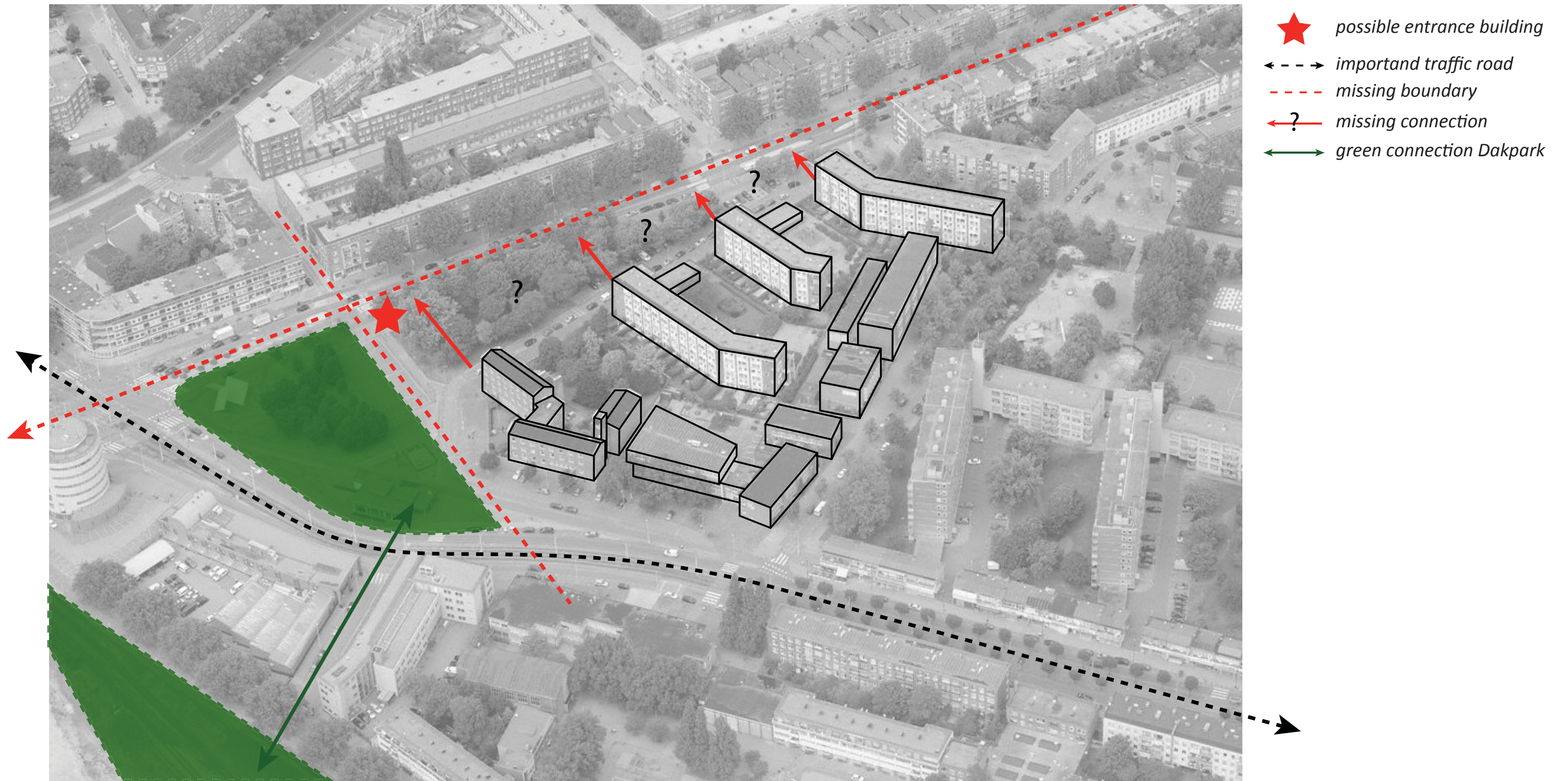


*postwar situation Mathenesserweg, old buildingblock from L.C. van der Vlugt (left) and new flats from J. and L. de Jonge (right)*



# location

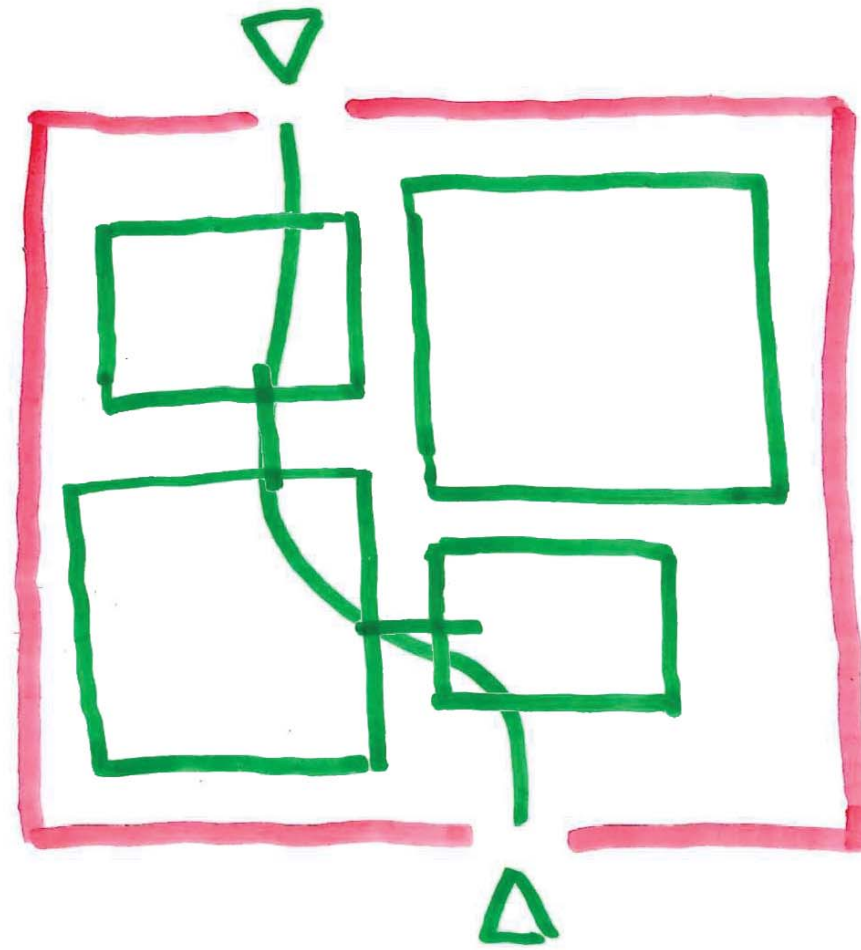
## urban considerations





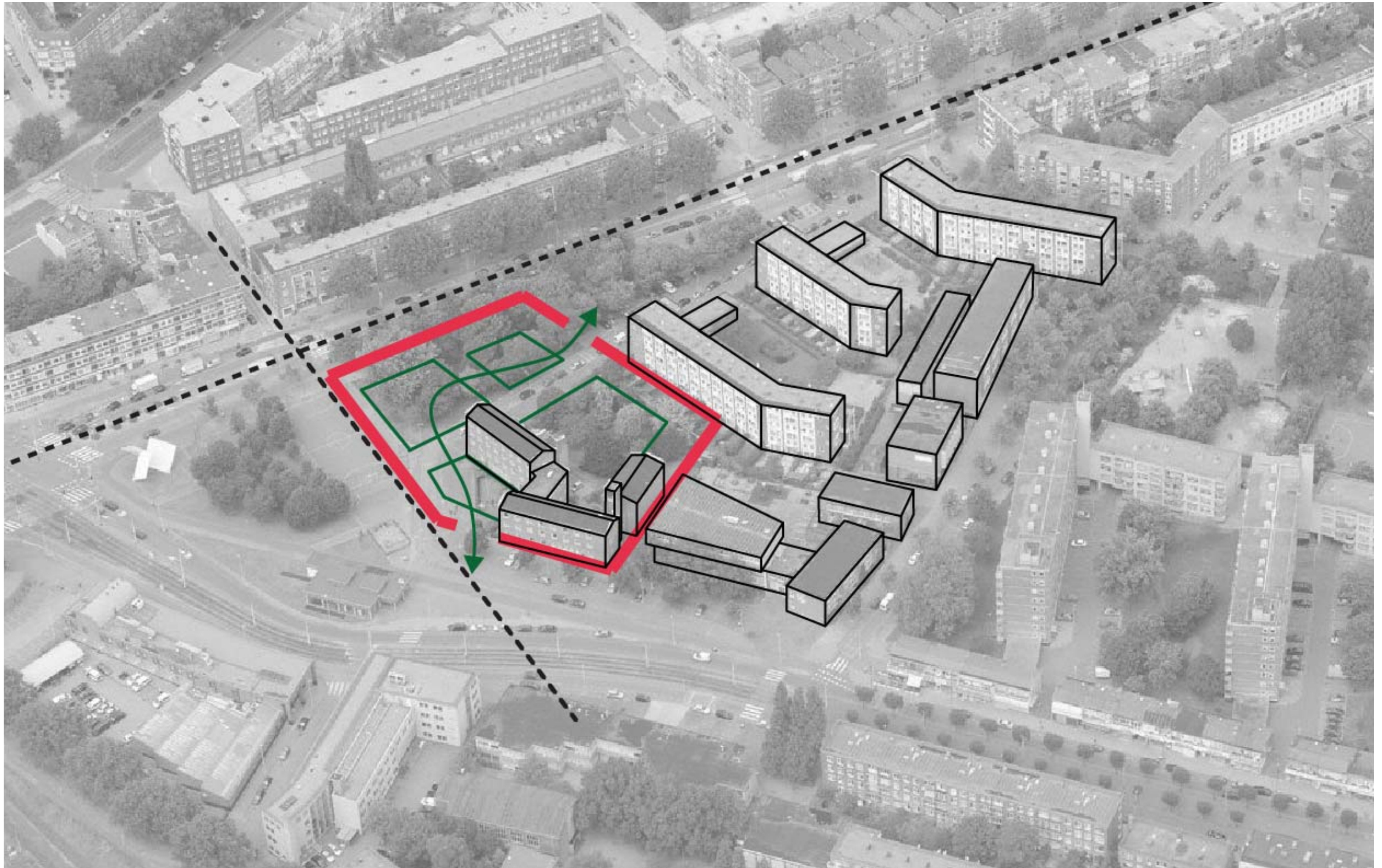
# urban implementation

spacial typology based on usergroup





**urban implementation**  
spacial typology projected on location



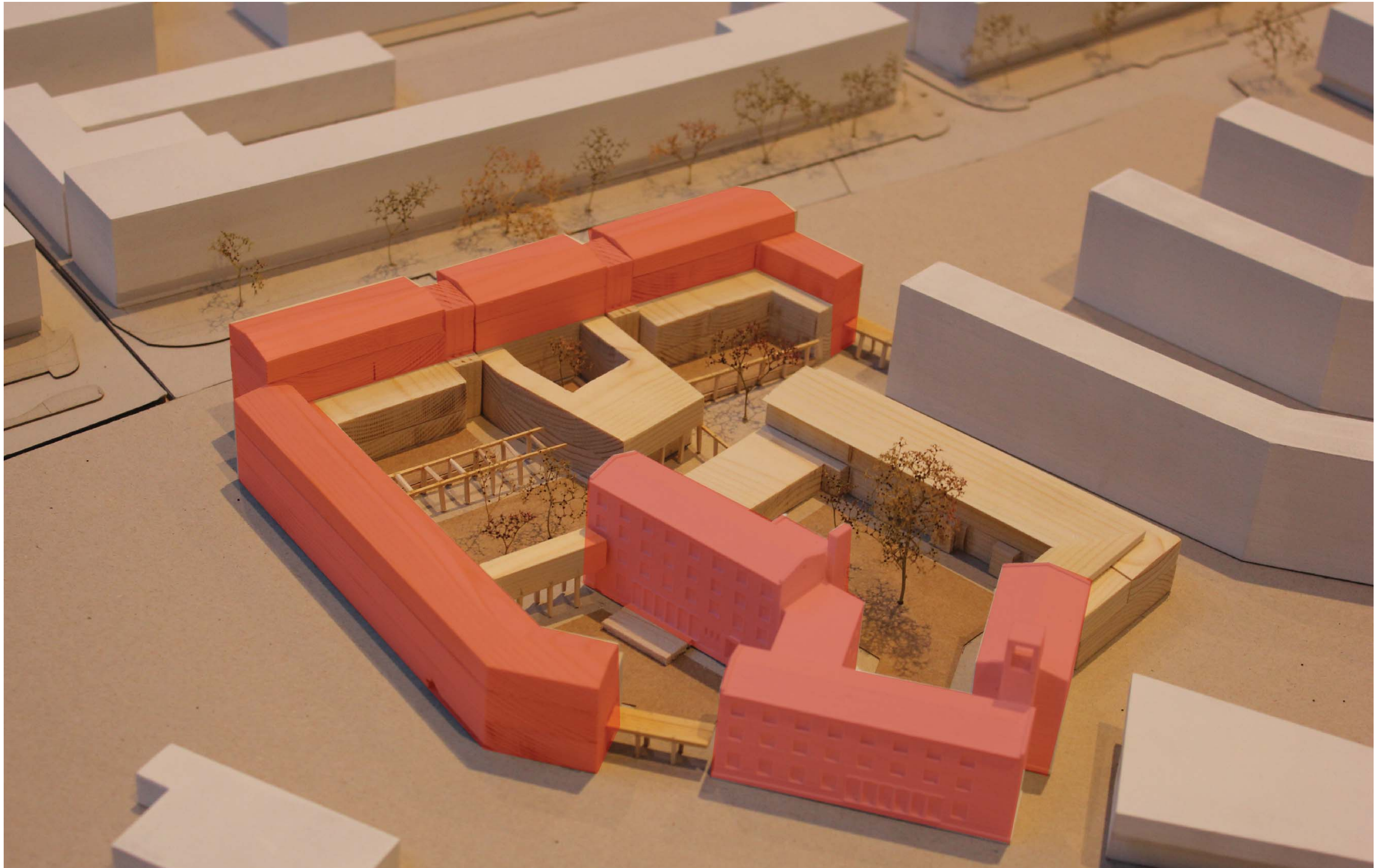


**urban implementation**  
mass model



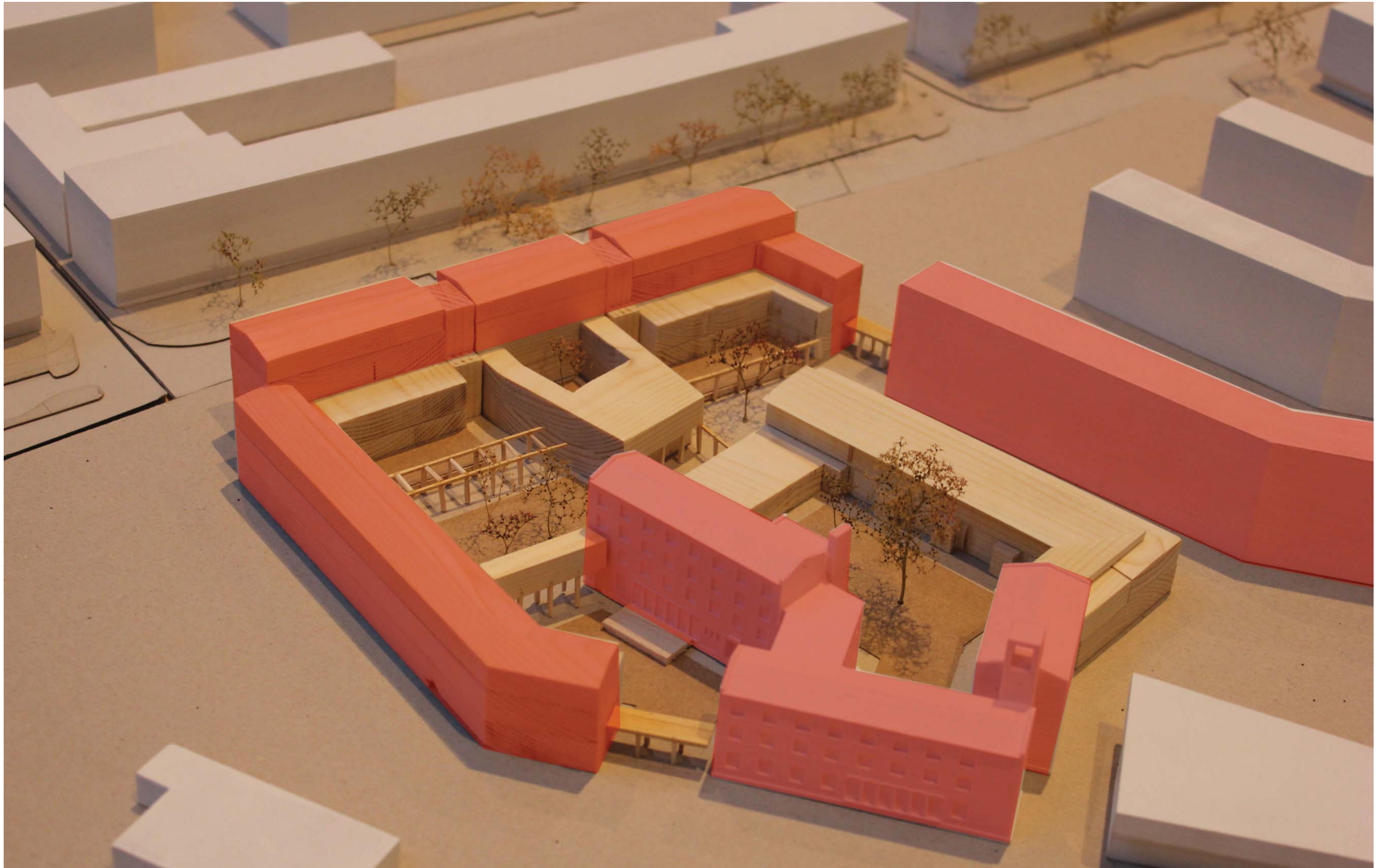


**urban implementation**  
high protective shield



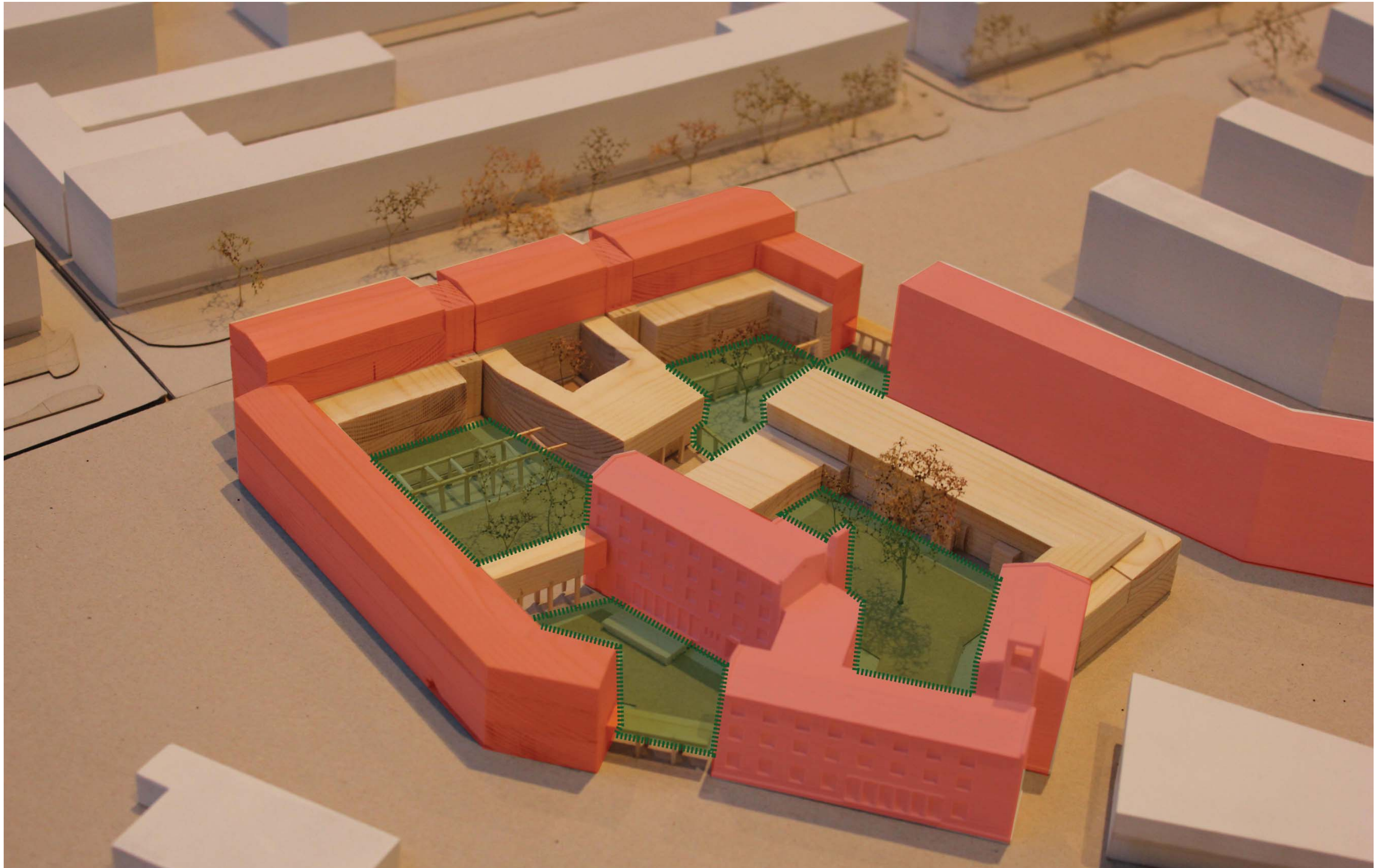


**urban implementation**  
existing flat



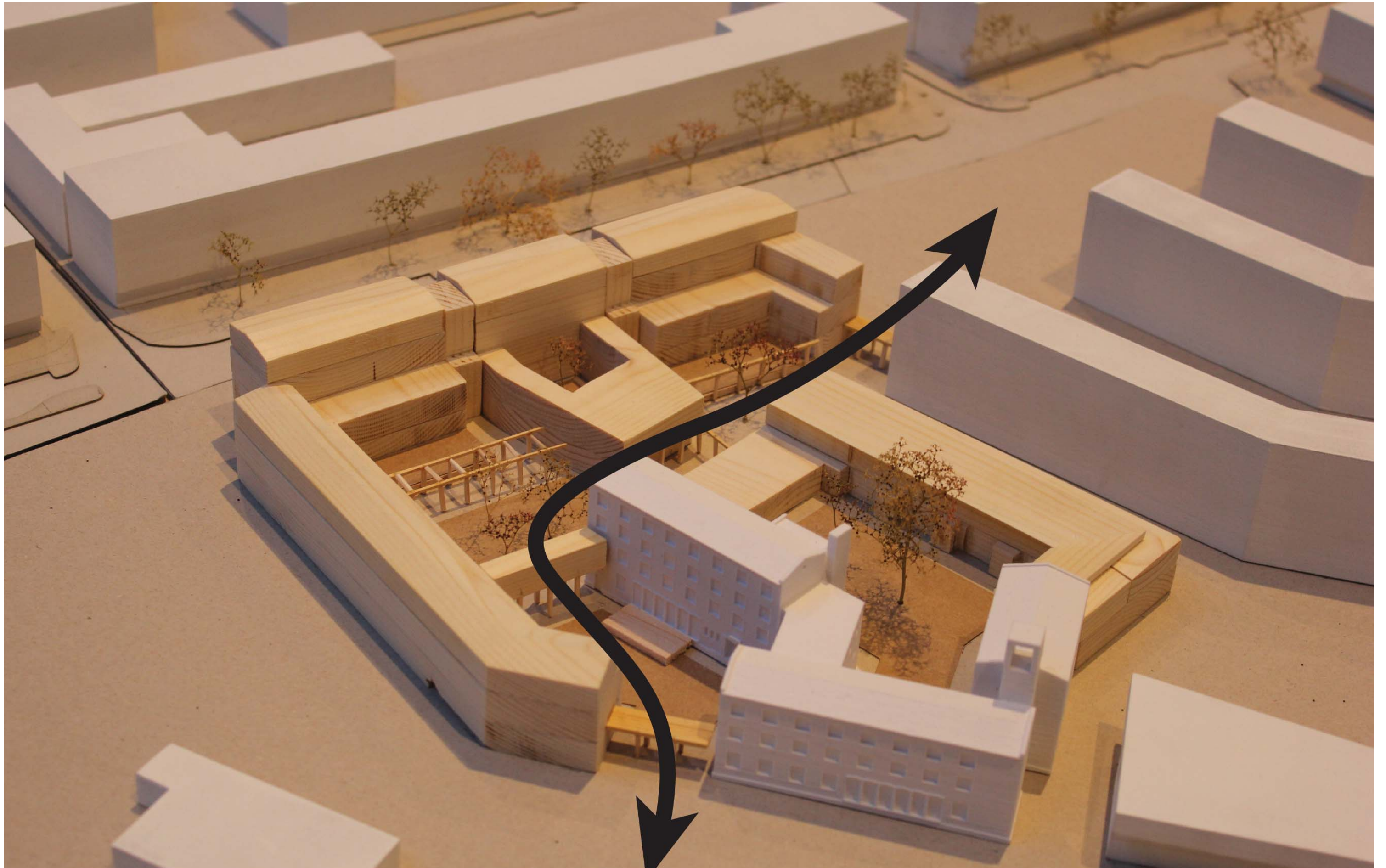


**urban implementation**  
courtyard landscape





**urban implementation**  
public route





**urban situation**  
view from marconiplein





**urban situation**  
special corner





**urban situation**

view from mathenesserweg





**urban situation**  
view from marconiplein



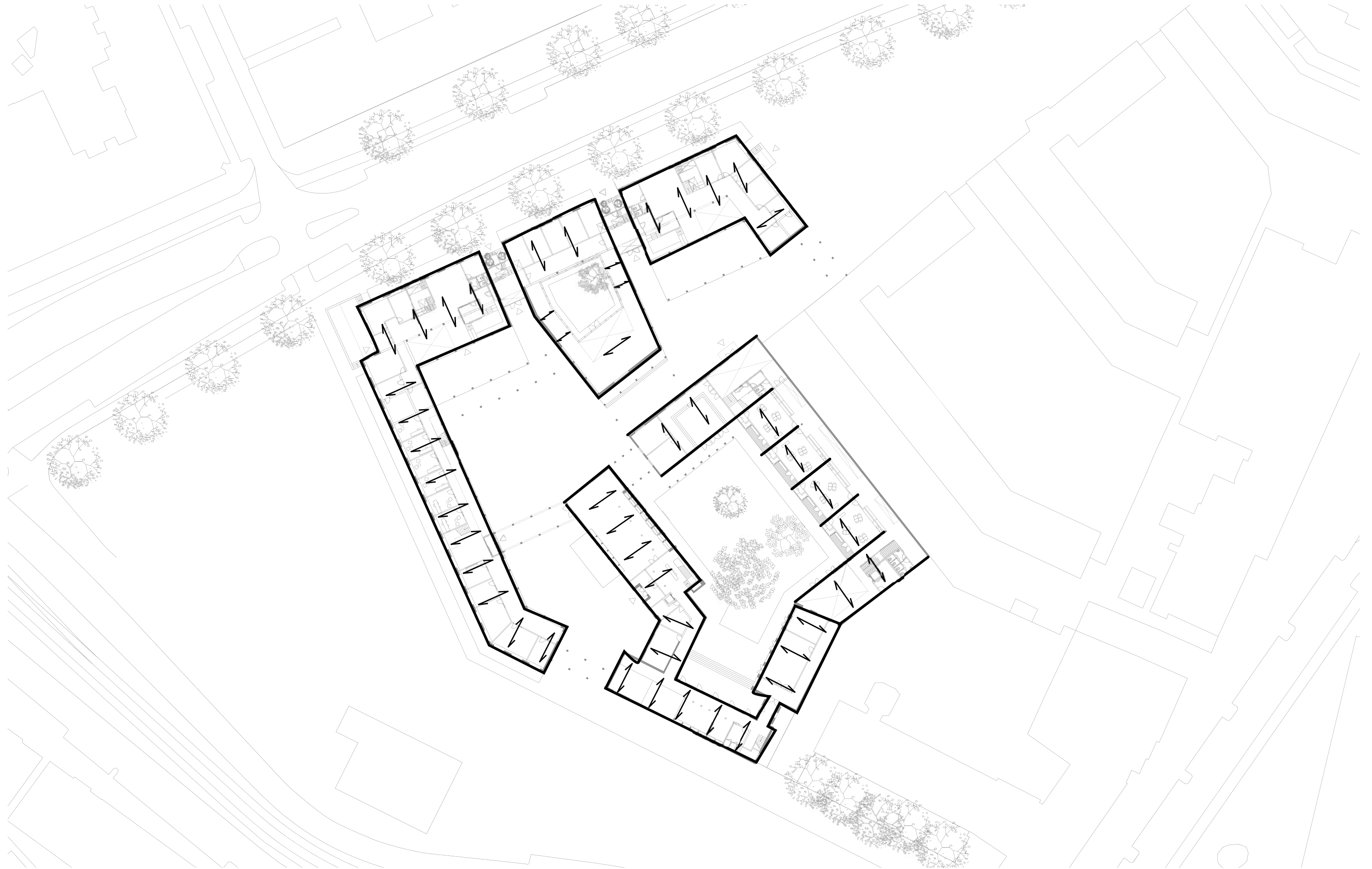


**urban situation**  
view from marconiplein





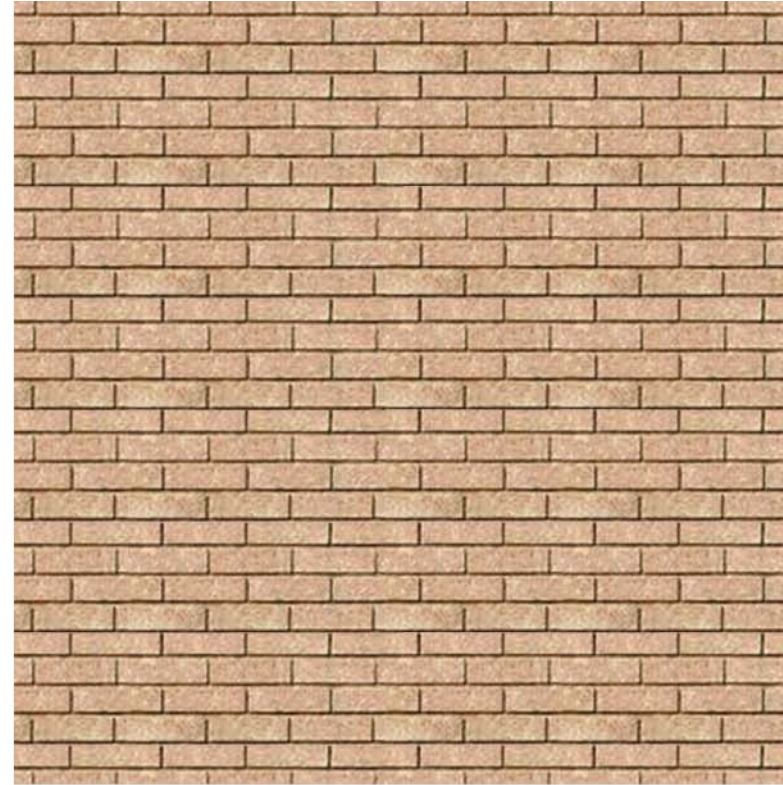
**facades**  
loadbearing structure



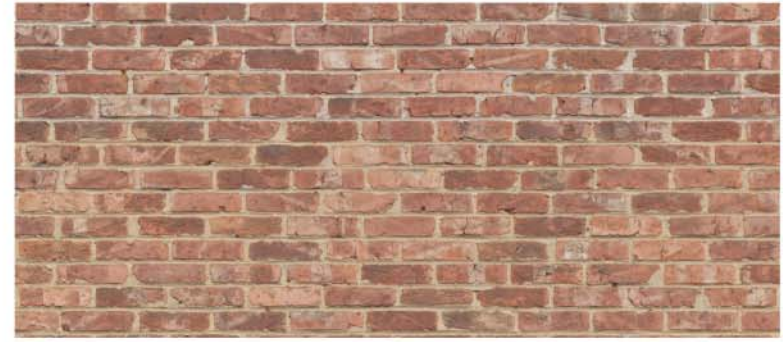
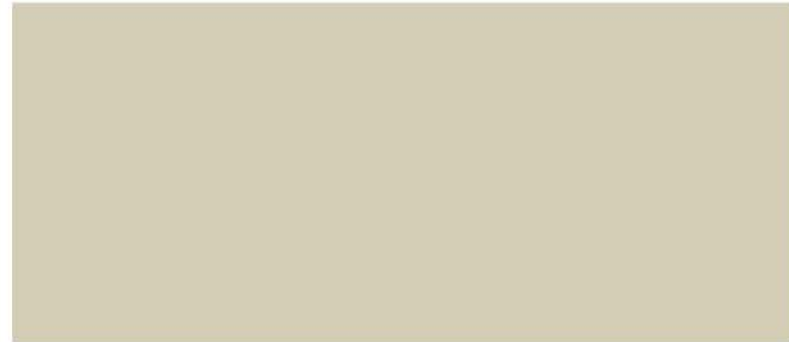


**facades**  
materialisation

design



monastery



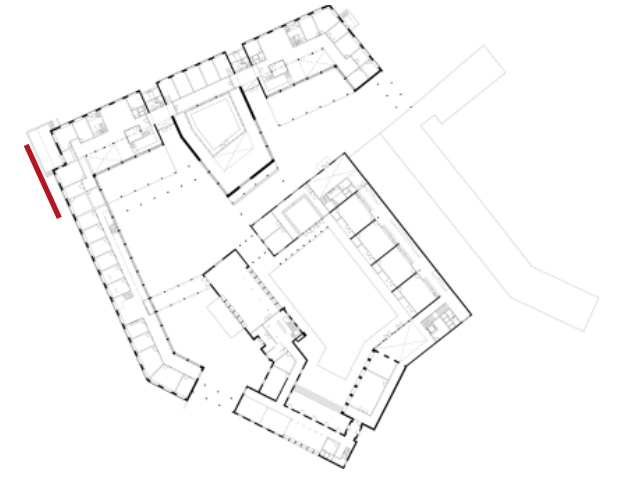


**facades**  
marconiplein



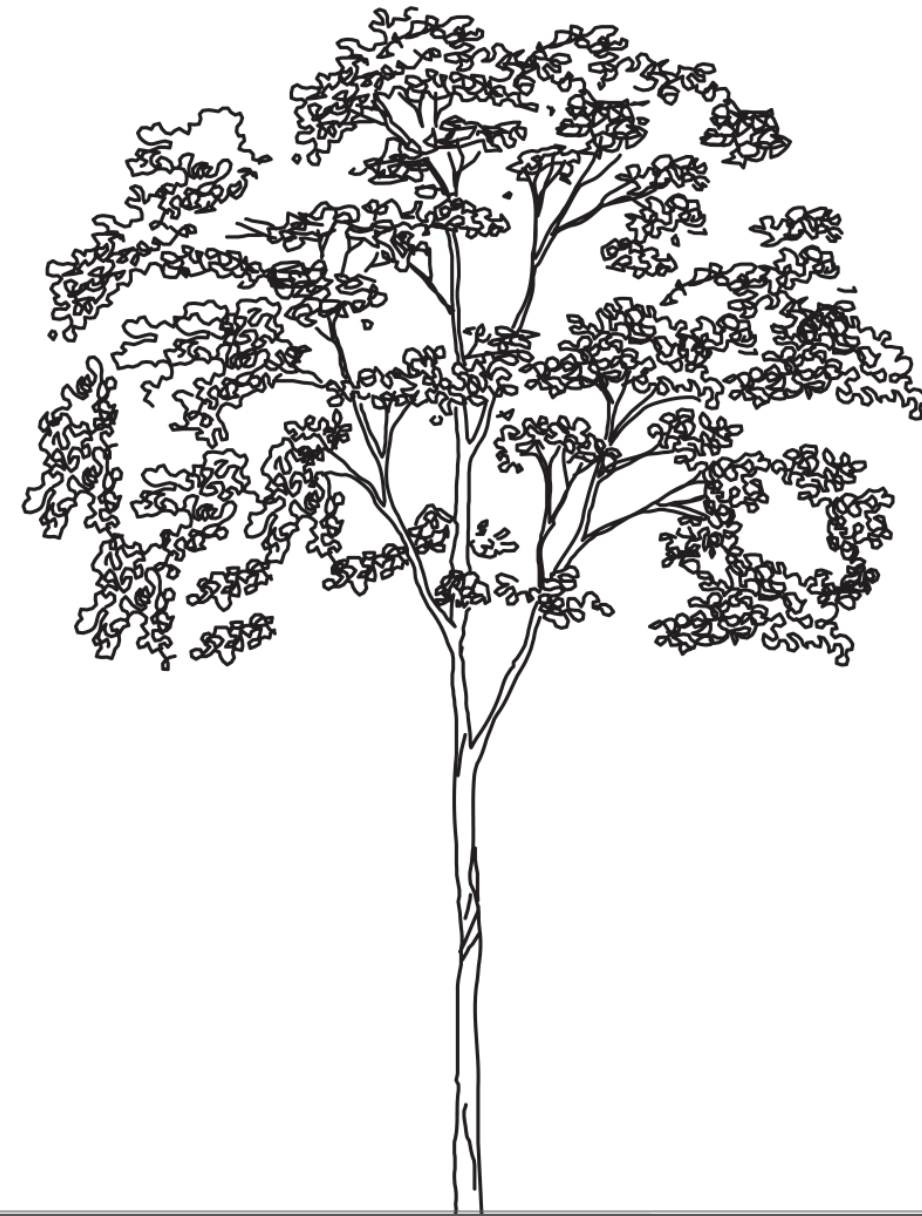
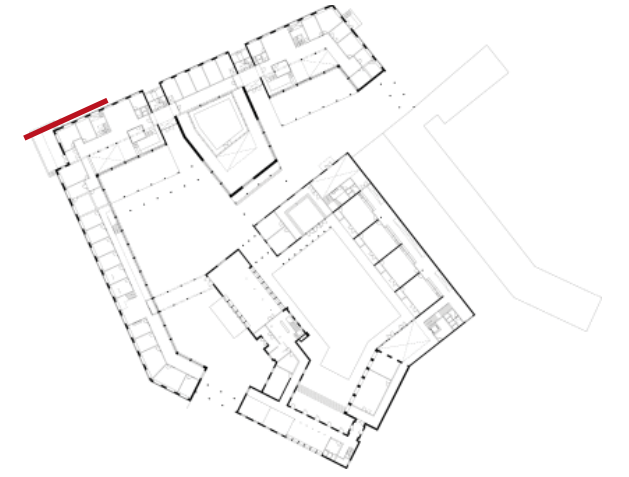


**facades**  
corner marconiplein



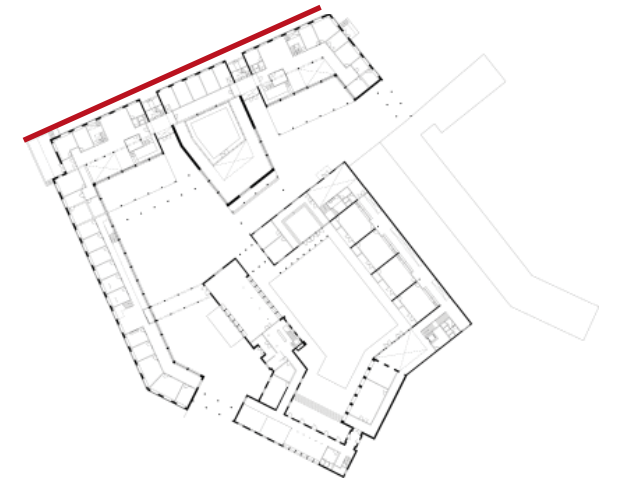


**facades**  
corner mathenesserweg



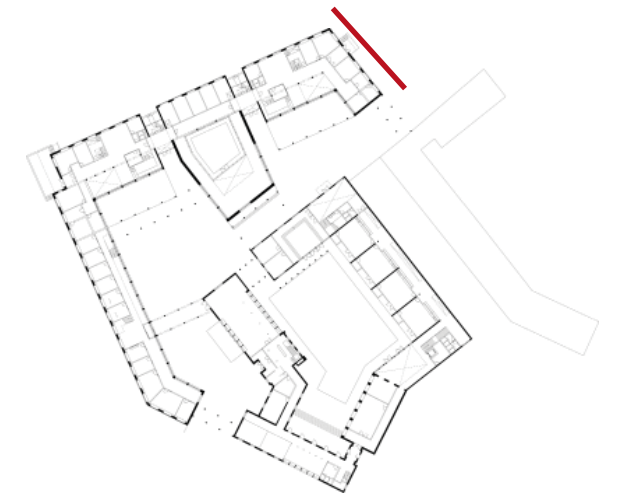


**facades**  
mathenesserweg





**facades**  
mathenesserweg



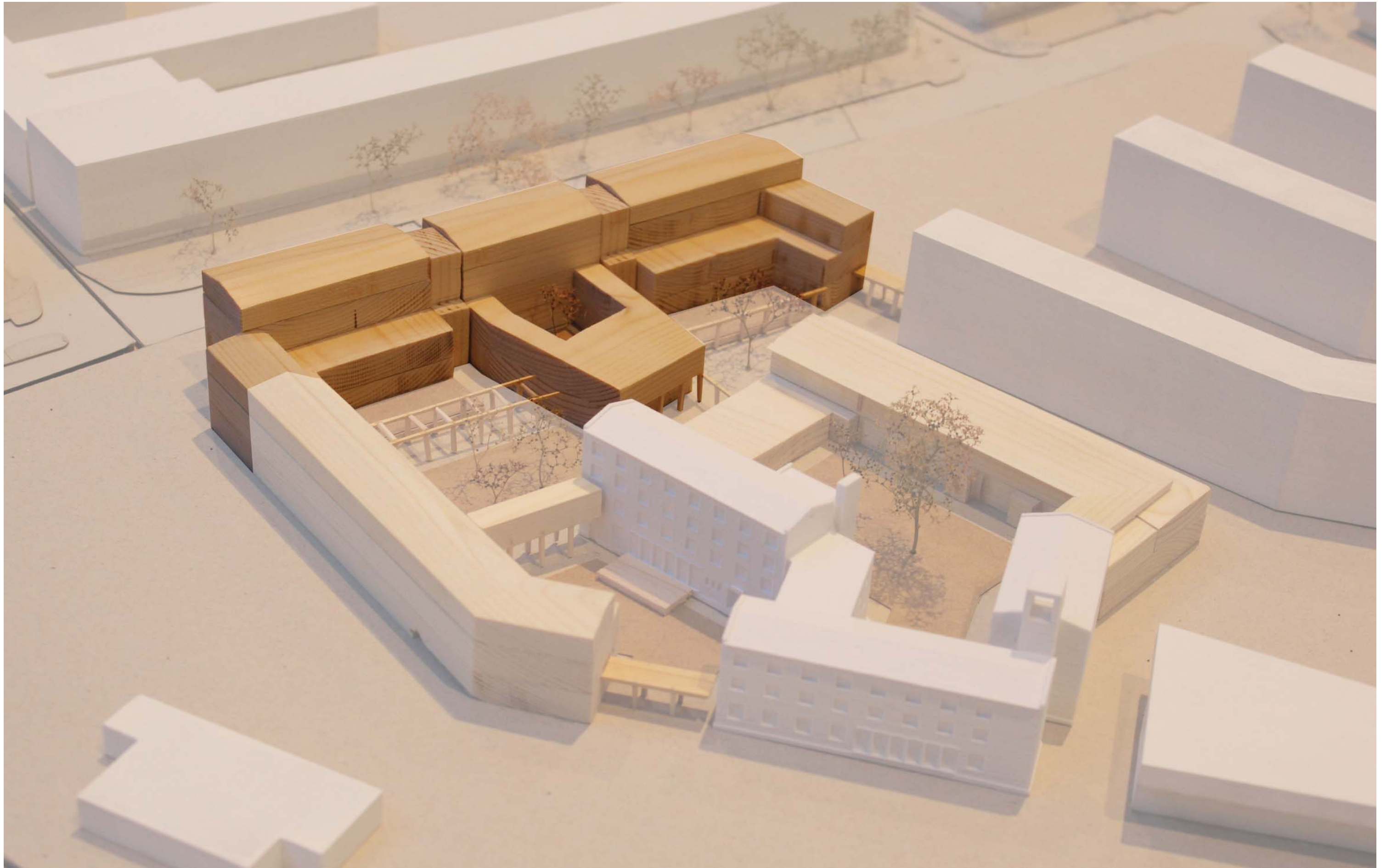


**program**  
treatment building



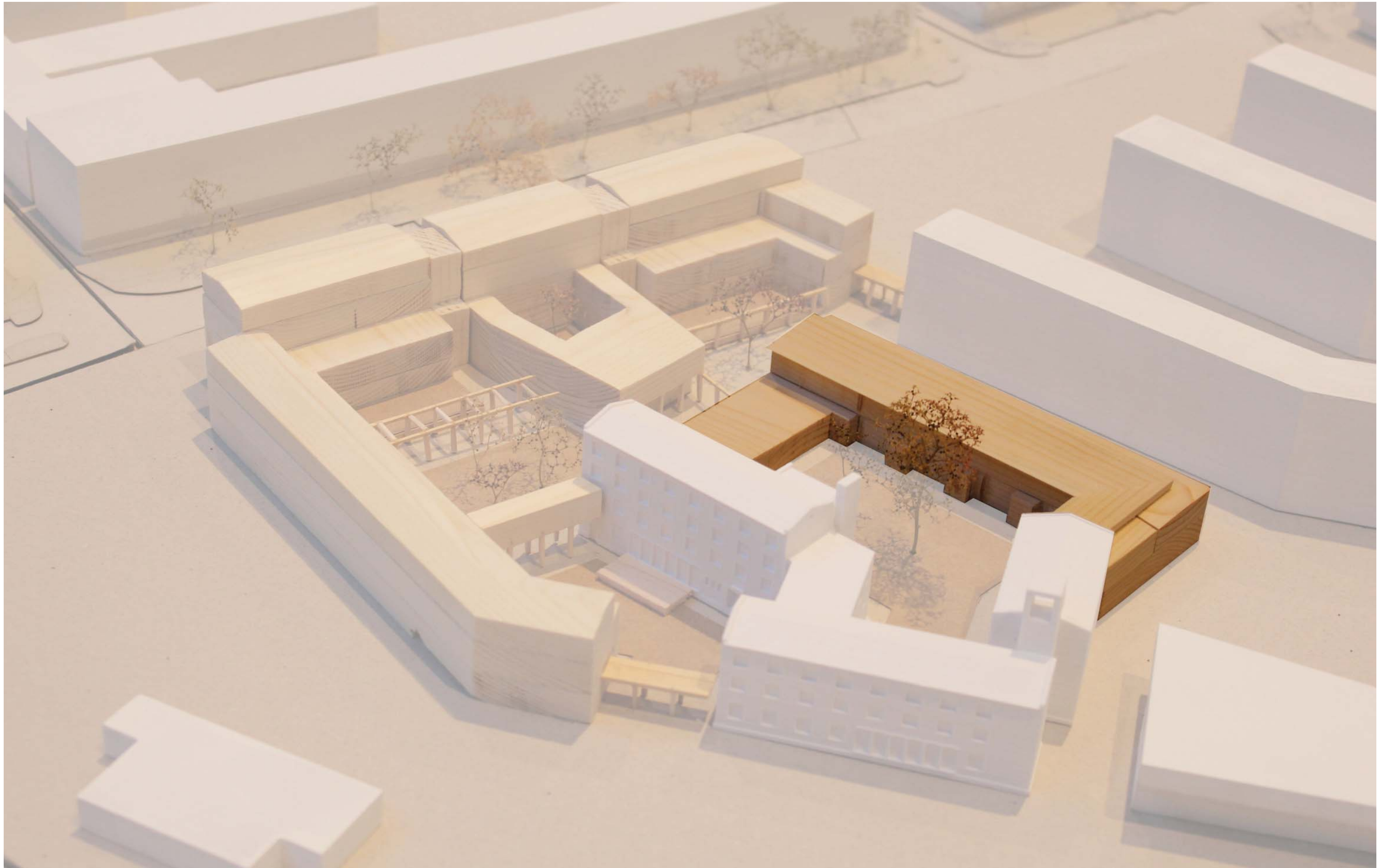


**program**  
clinical departments



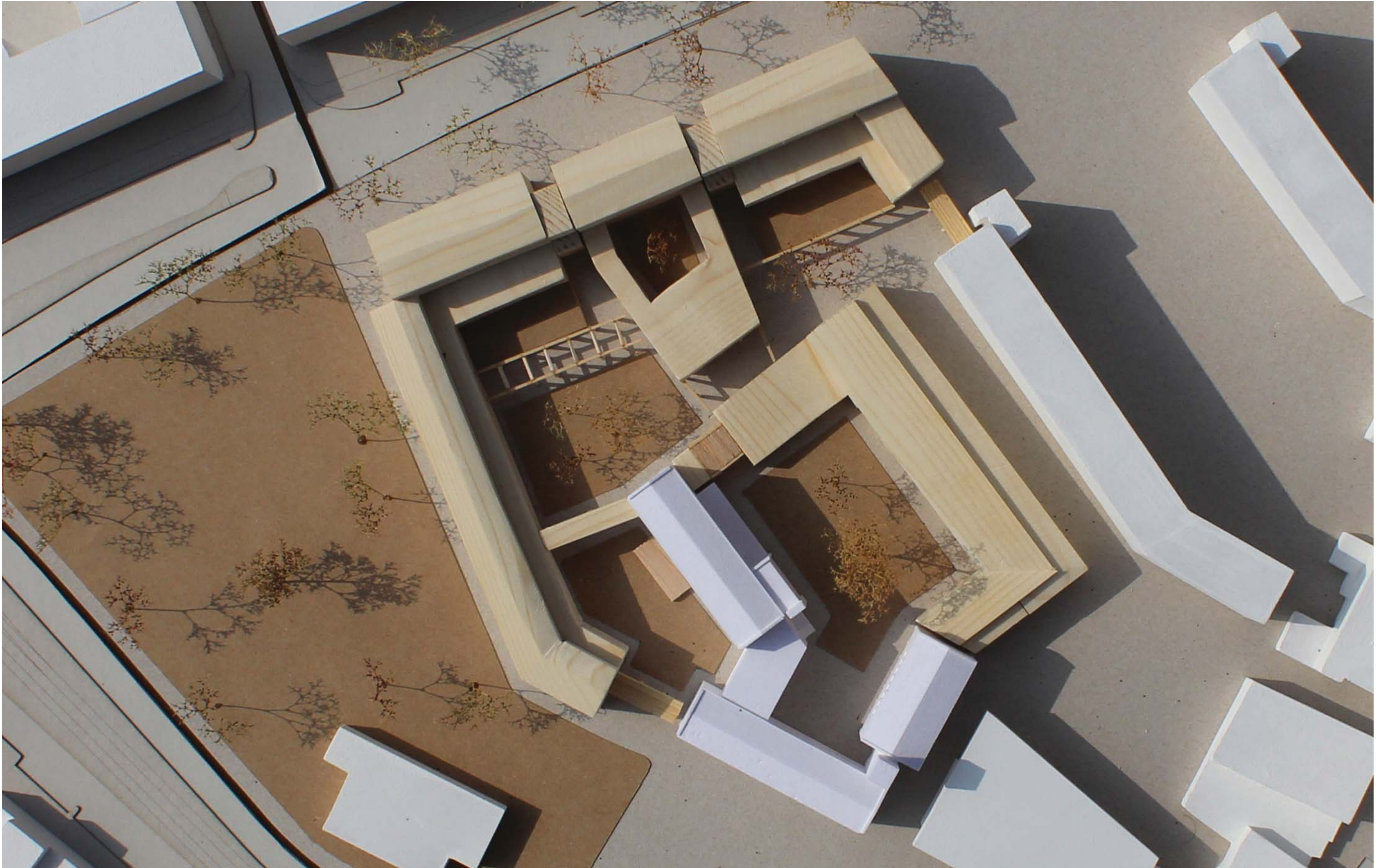


**program**  
special education school



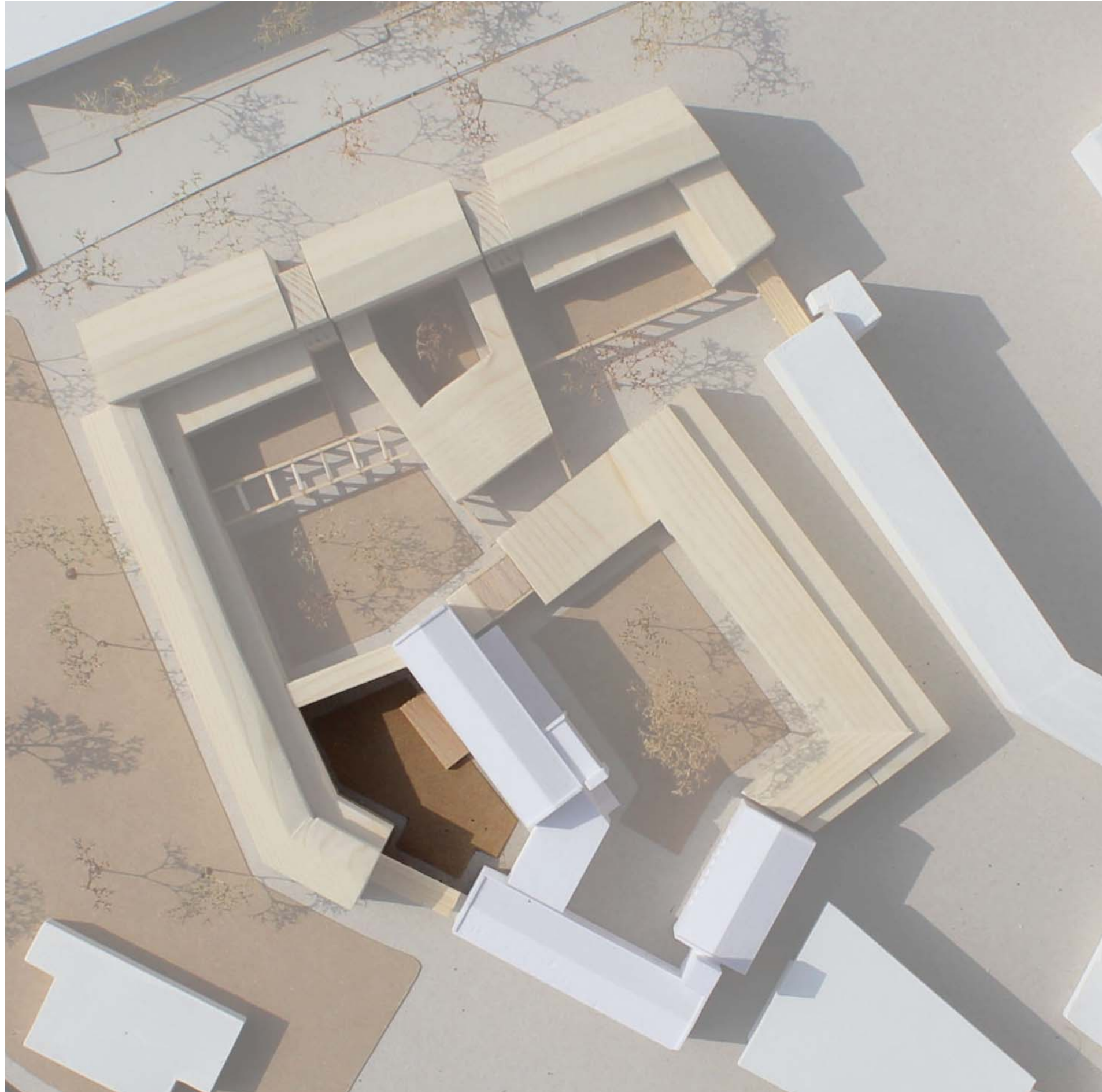


**program**  
outdoor spaces





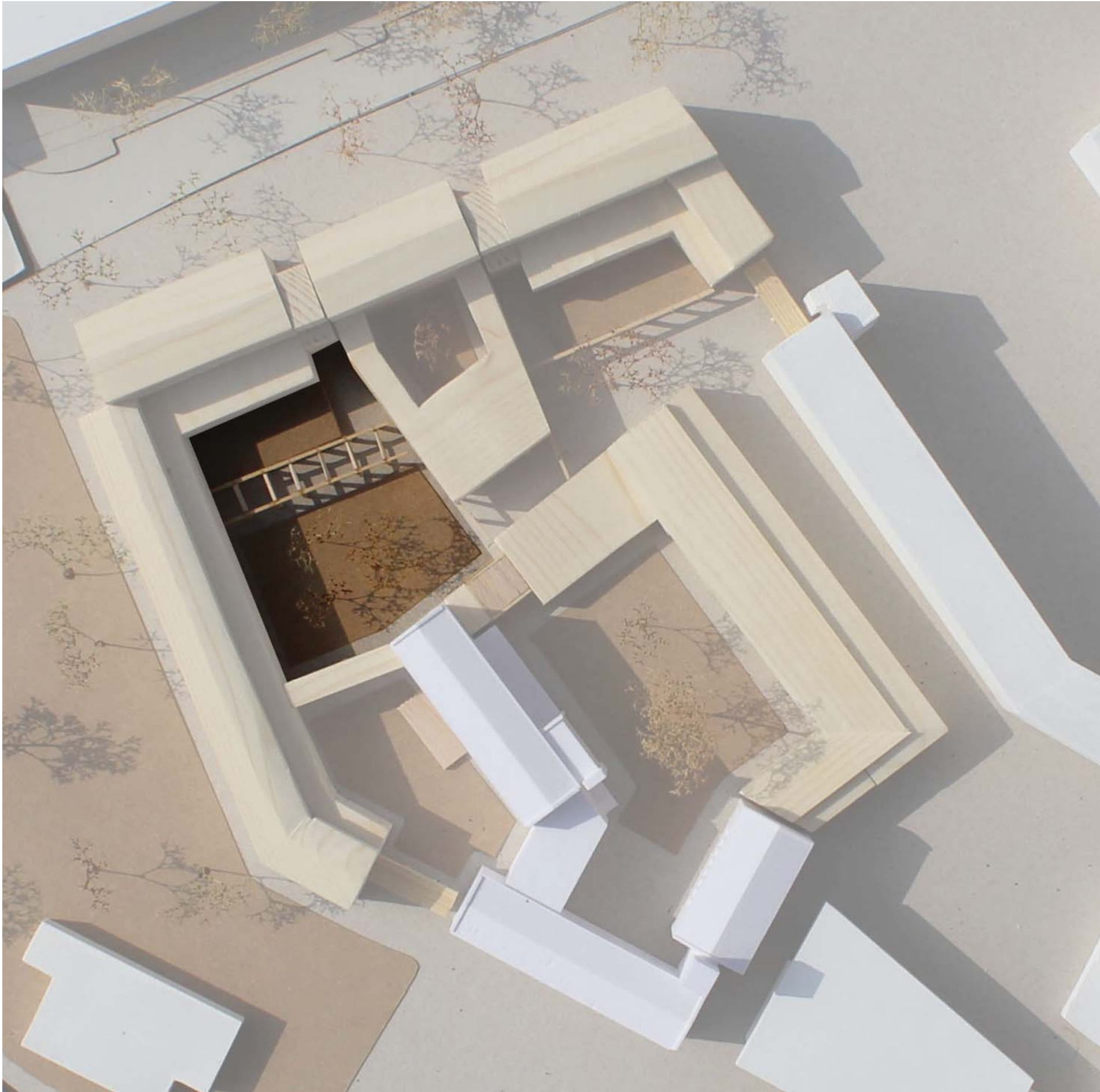
**program**  
entrance courtyard





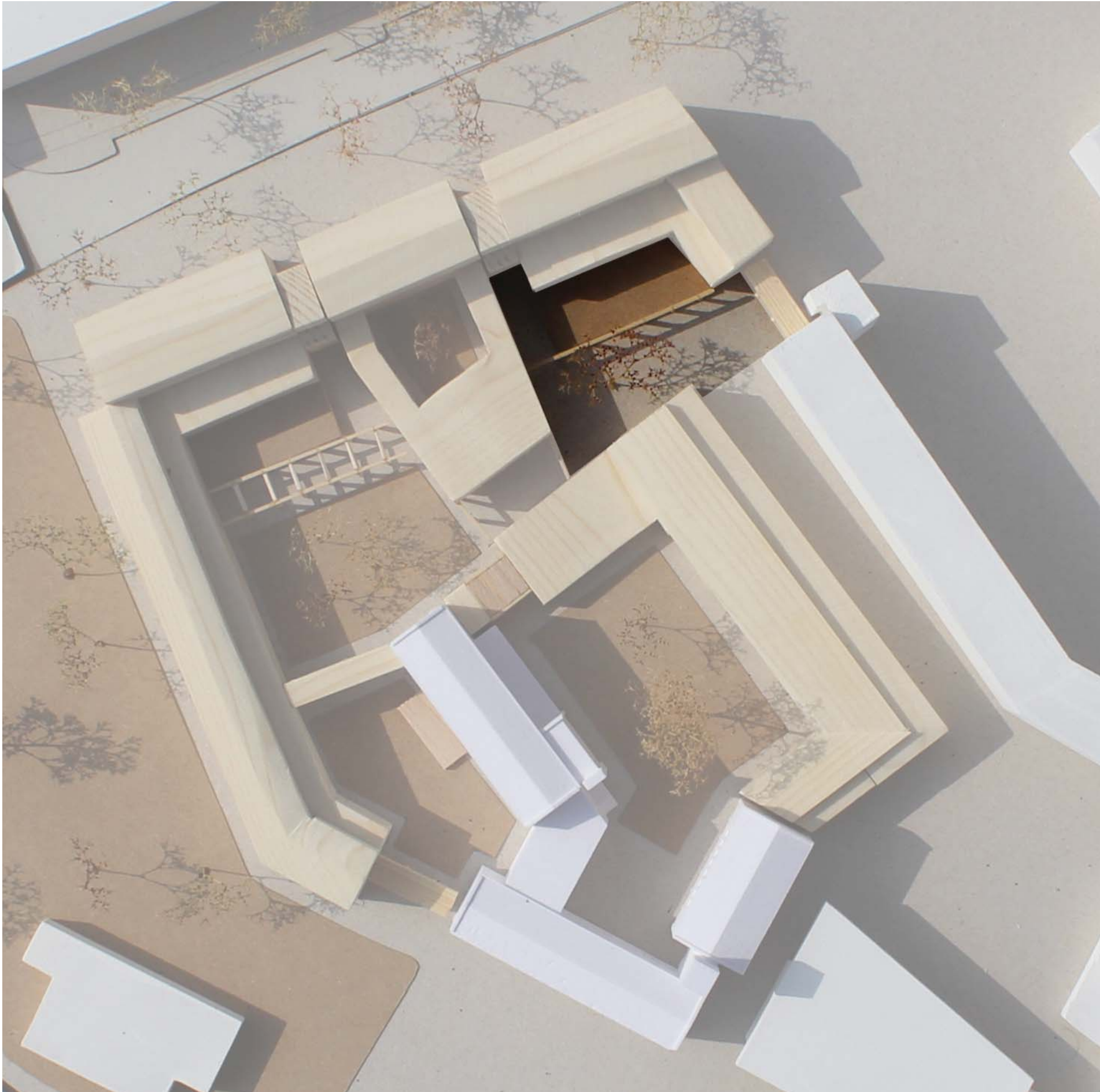
**program**

orchard, wild flower field



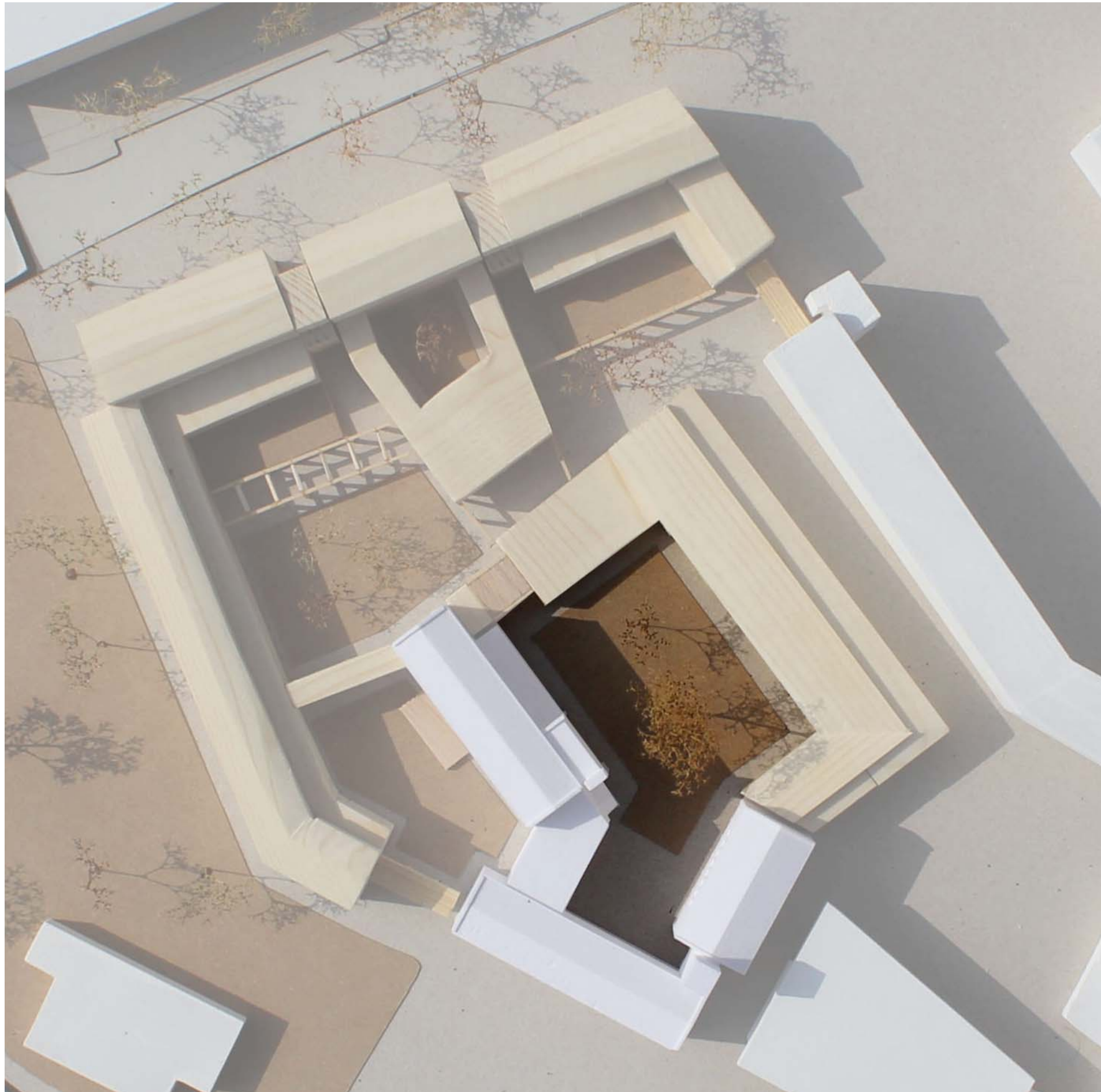


**program**  
schoolyard



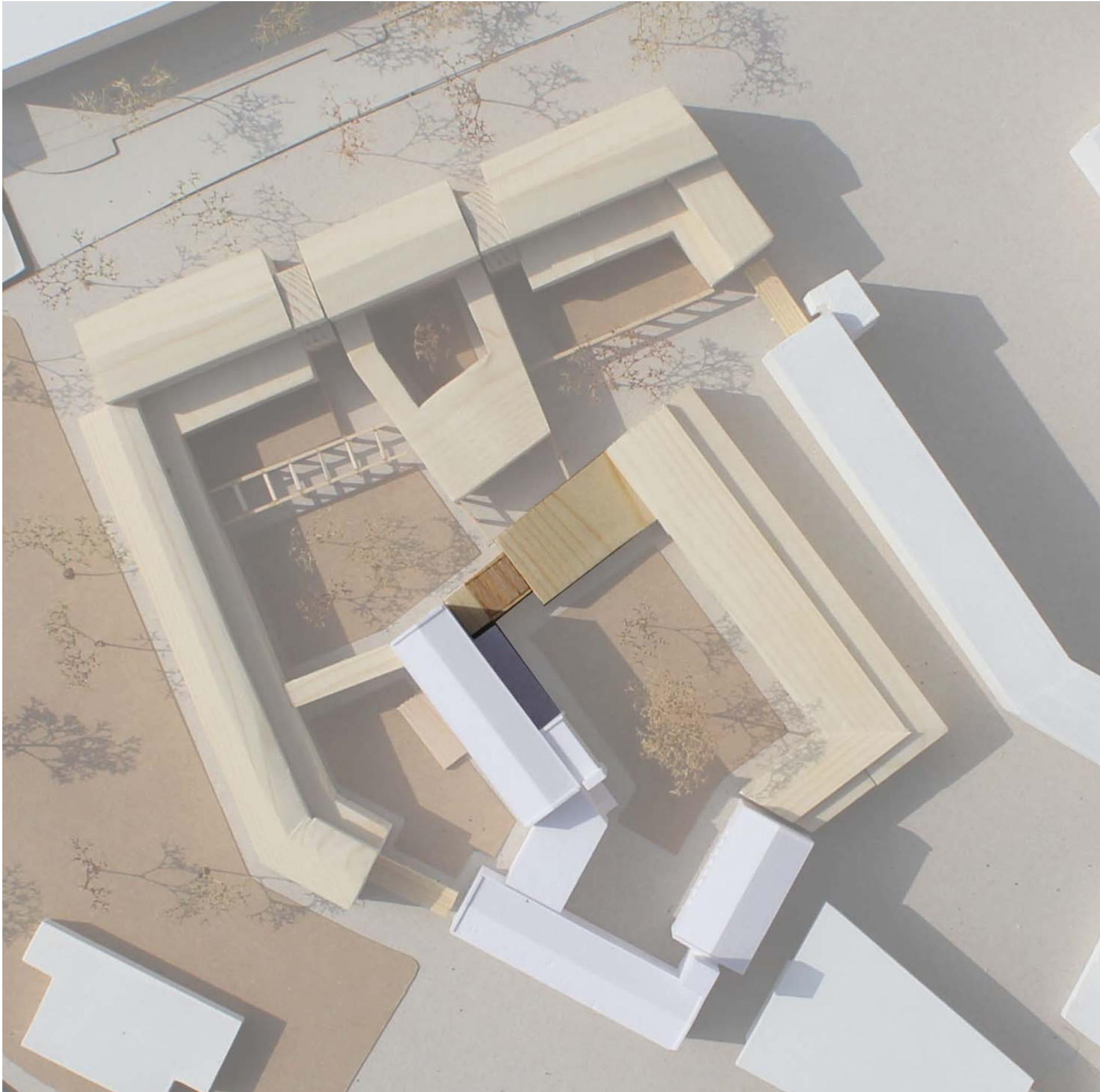


**program**  
schoolgarden



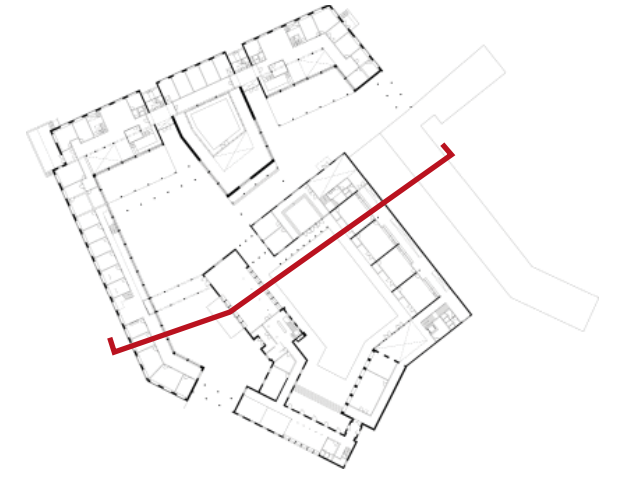


**program**  
vegetable garden



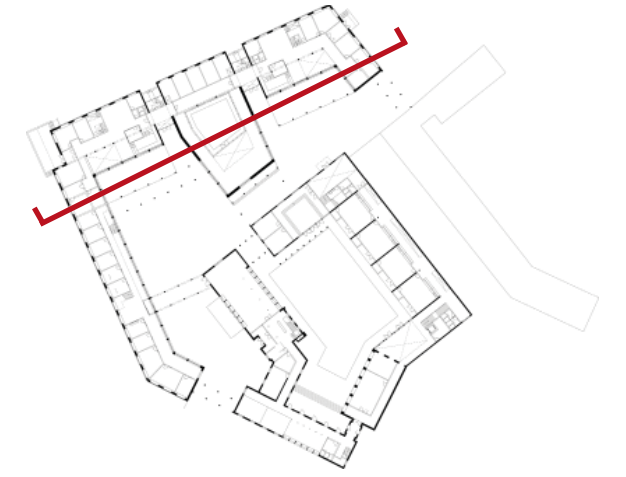


section EE'



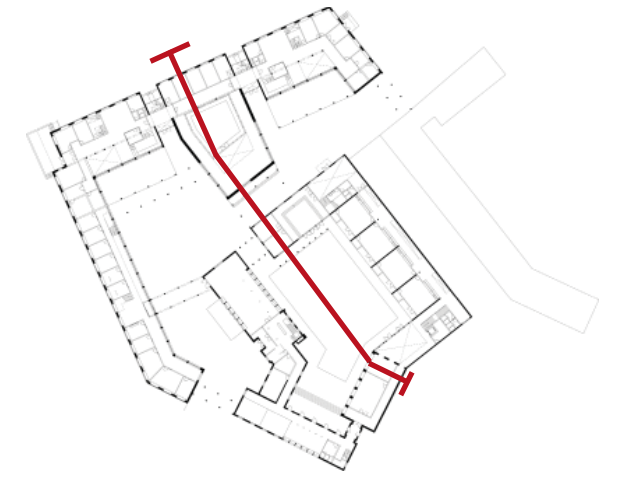


section BB'



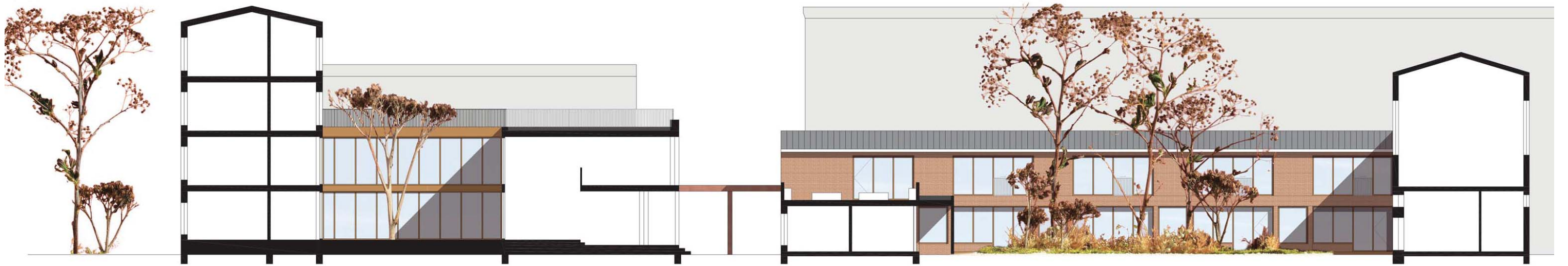
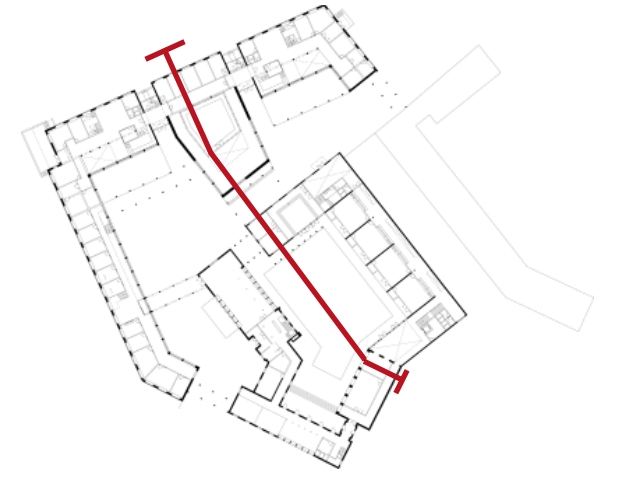


section CC', section DD'



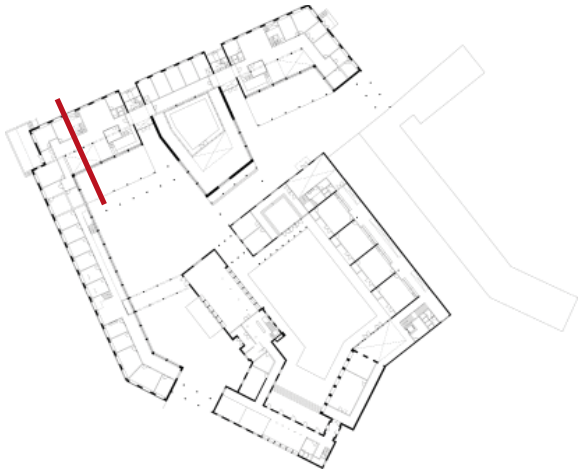
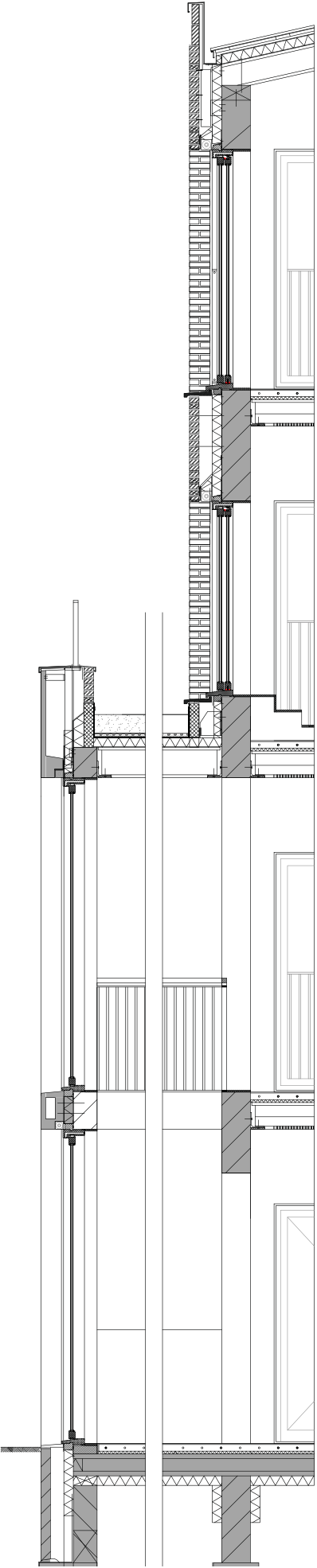
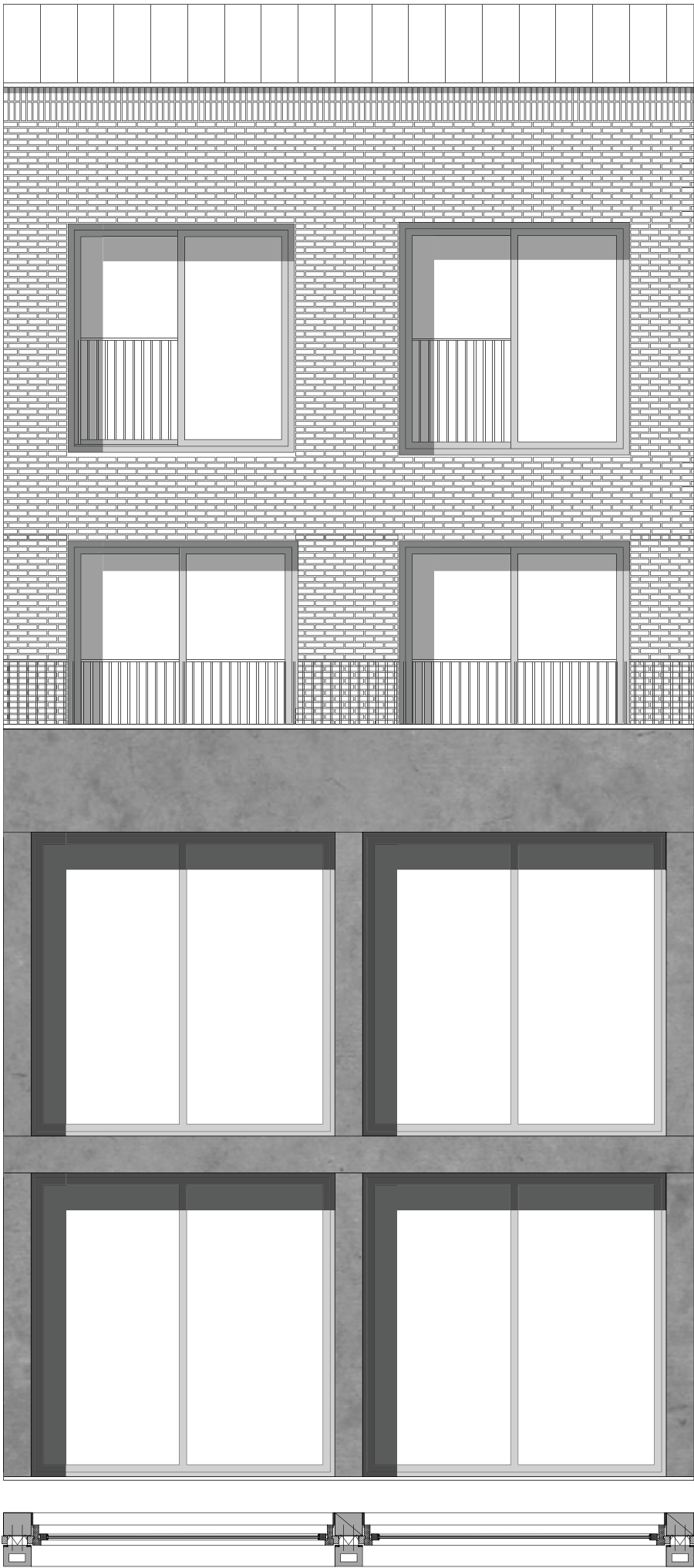


section CC', section DD'



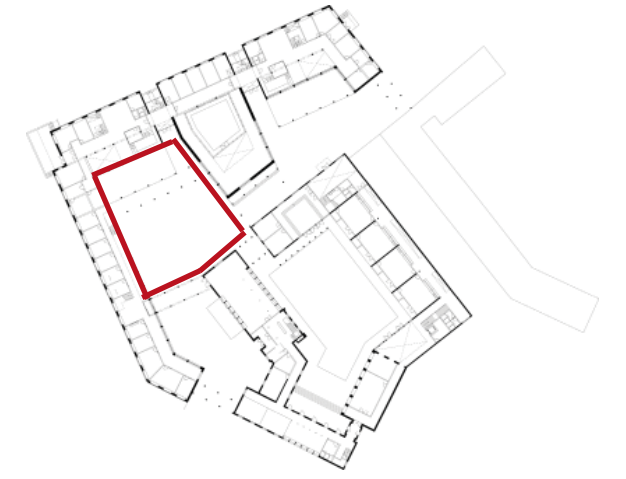
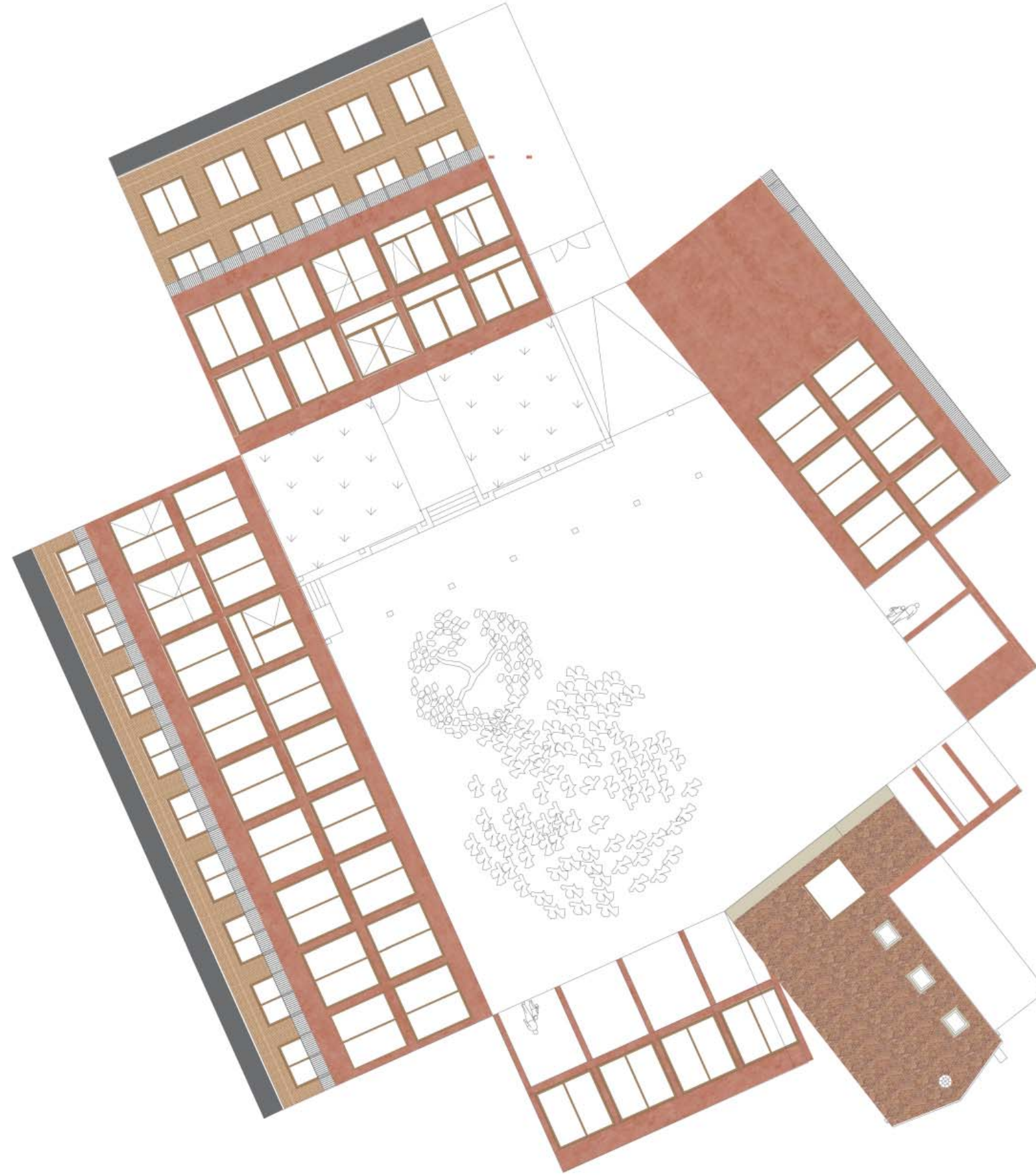


**fragment section AA'**  
garden facade



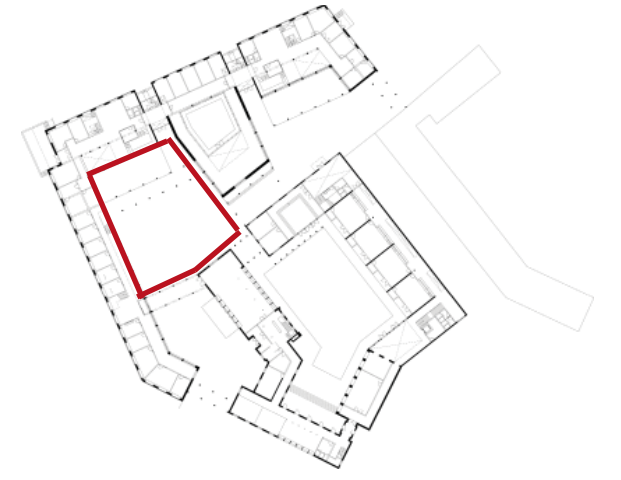
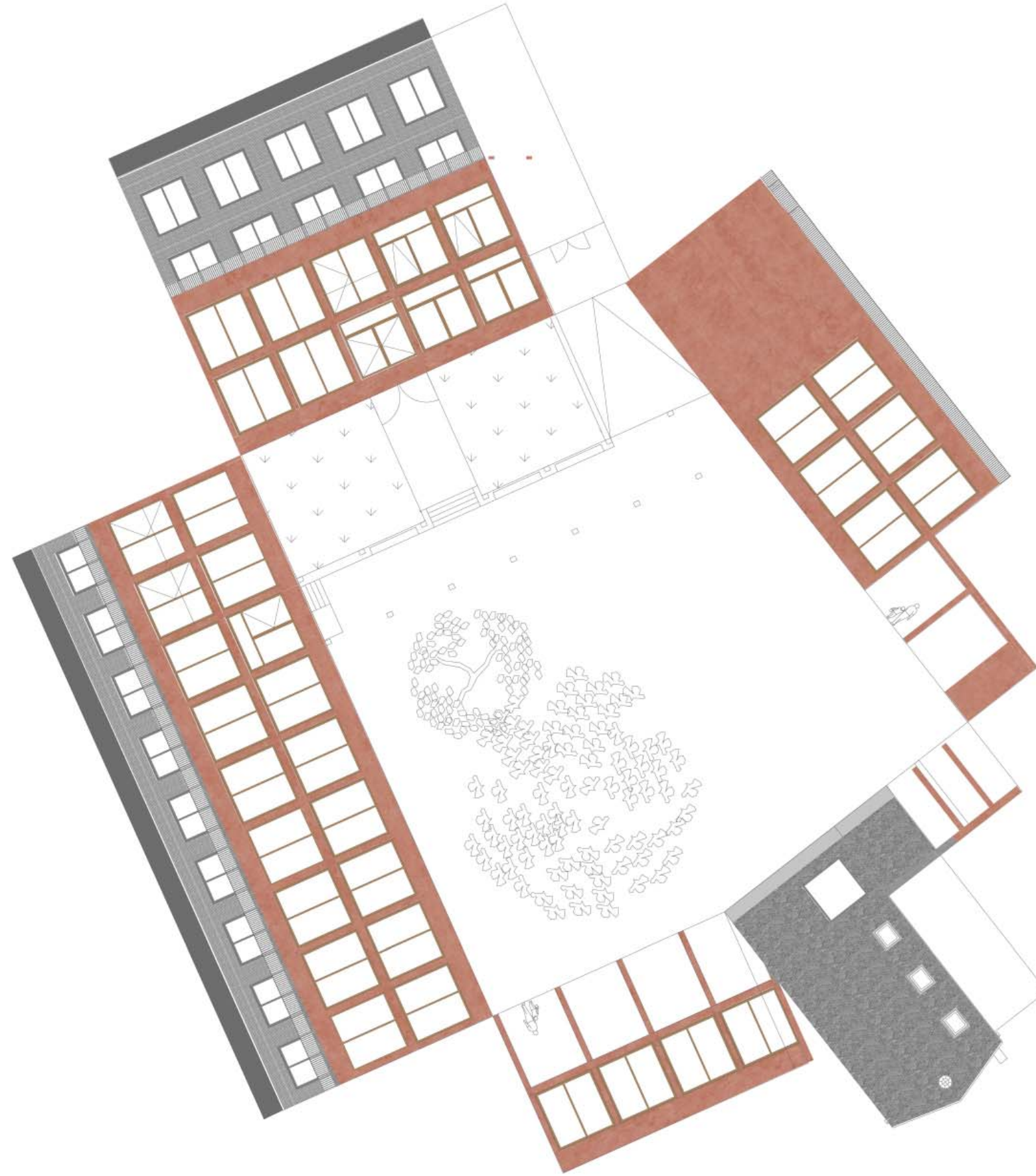


**courtyard facades**



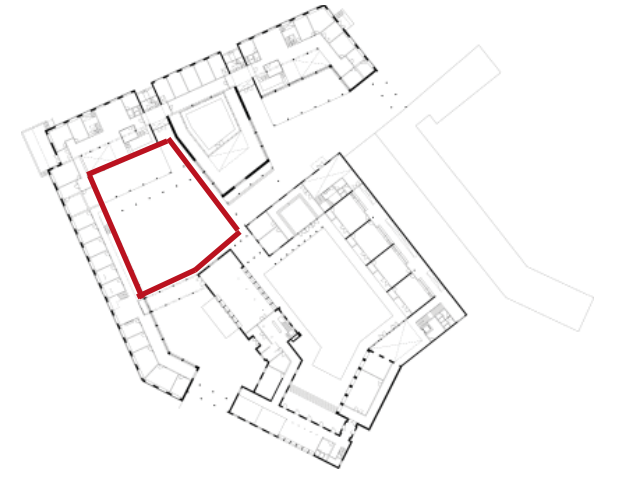
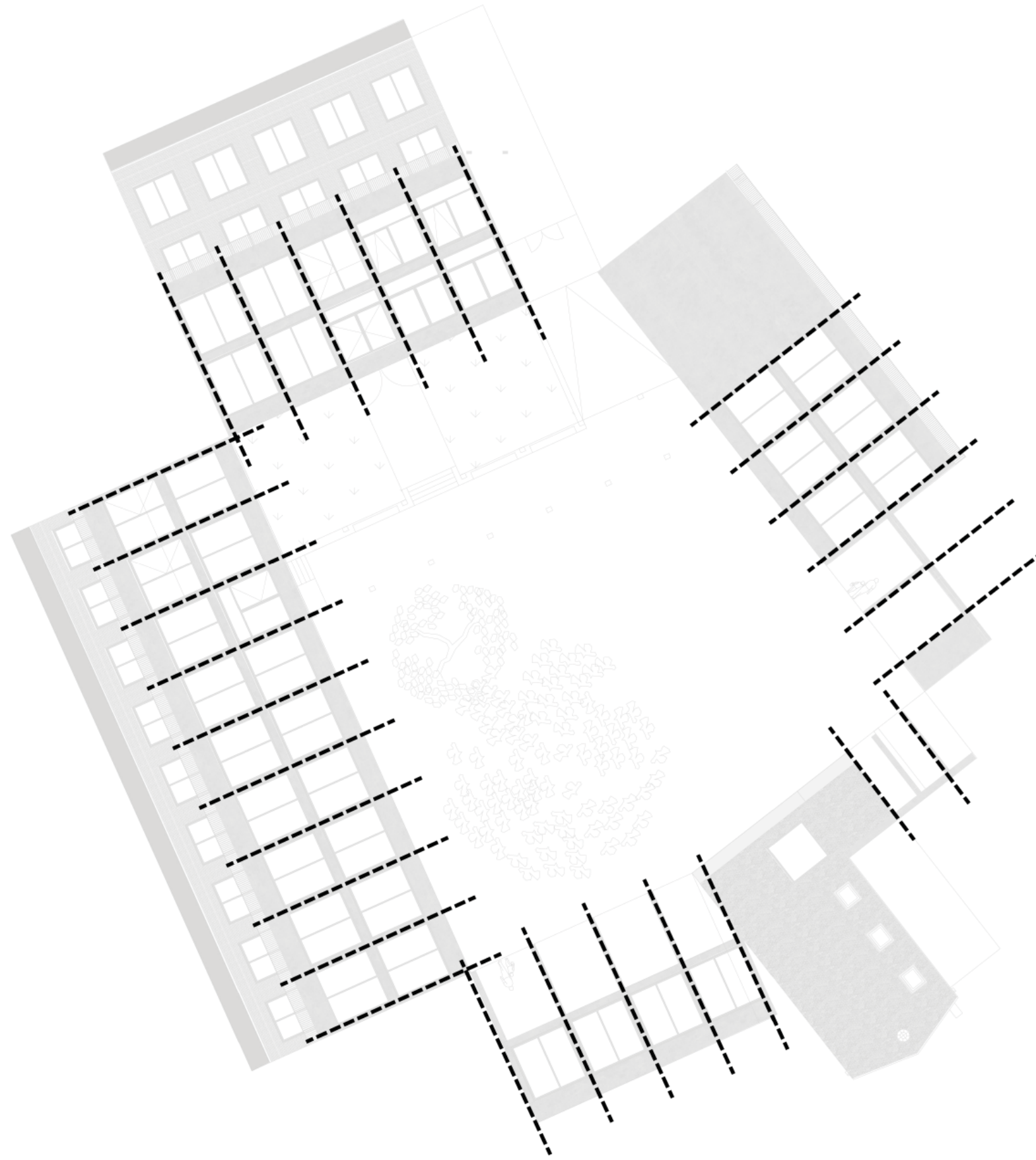


**courtyard facades**





courtyard facades



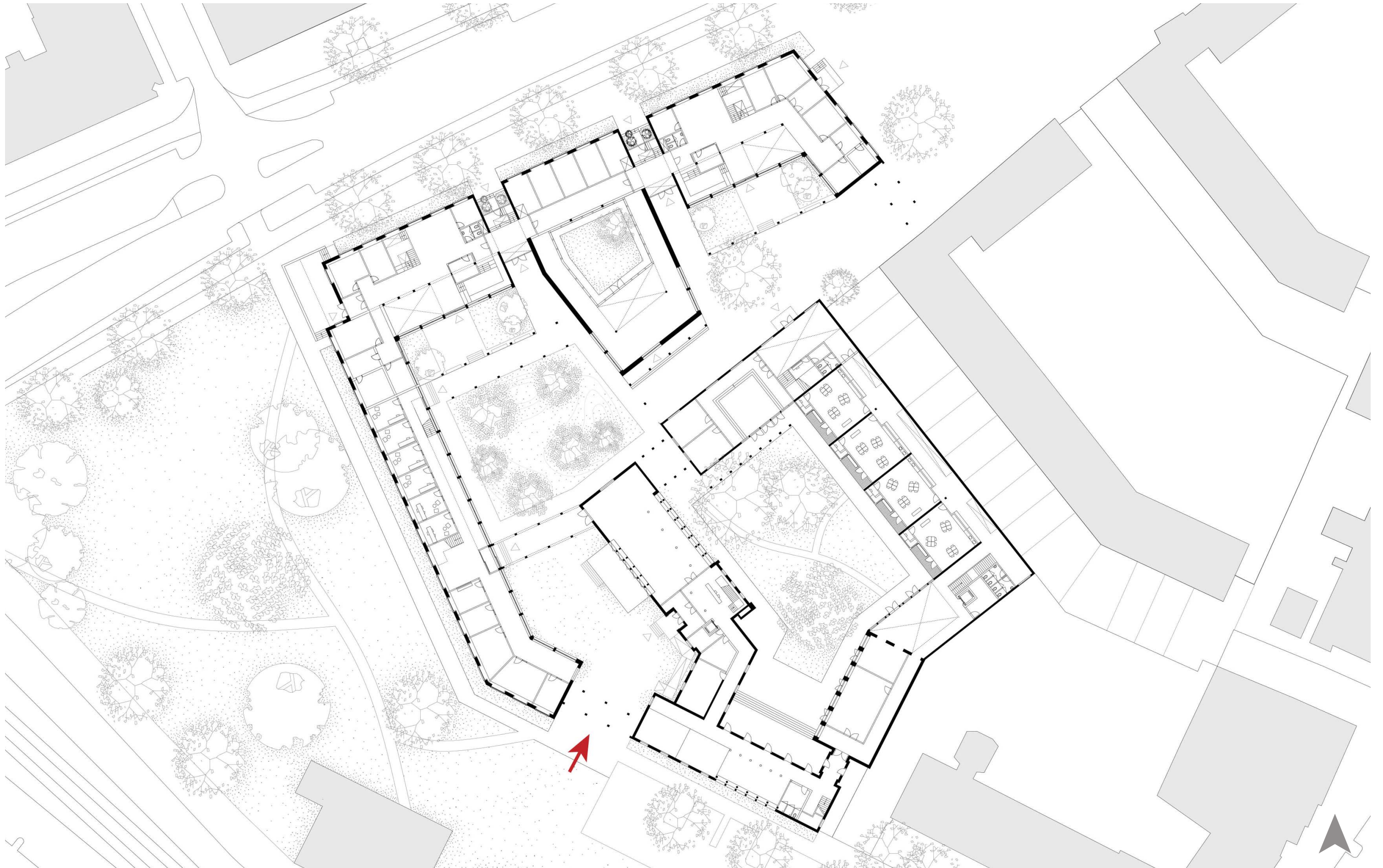


walk through the building





walk through the building  
entrance courtyard





















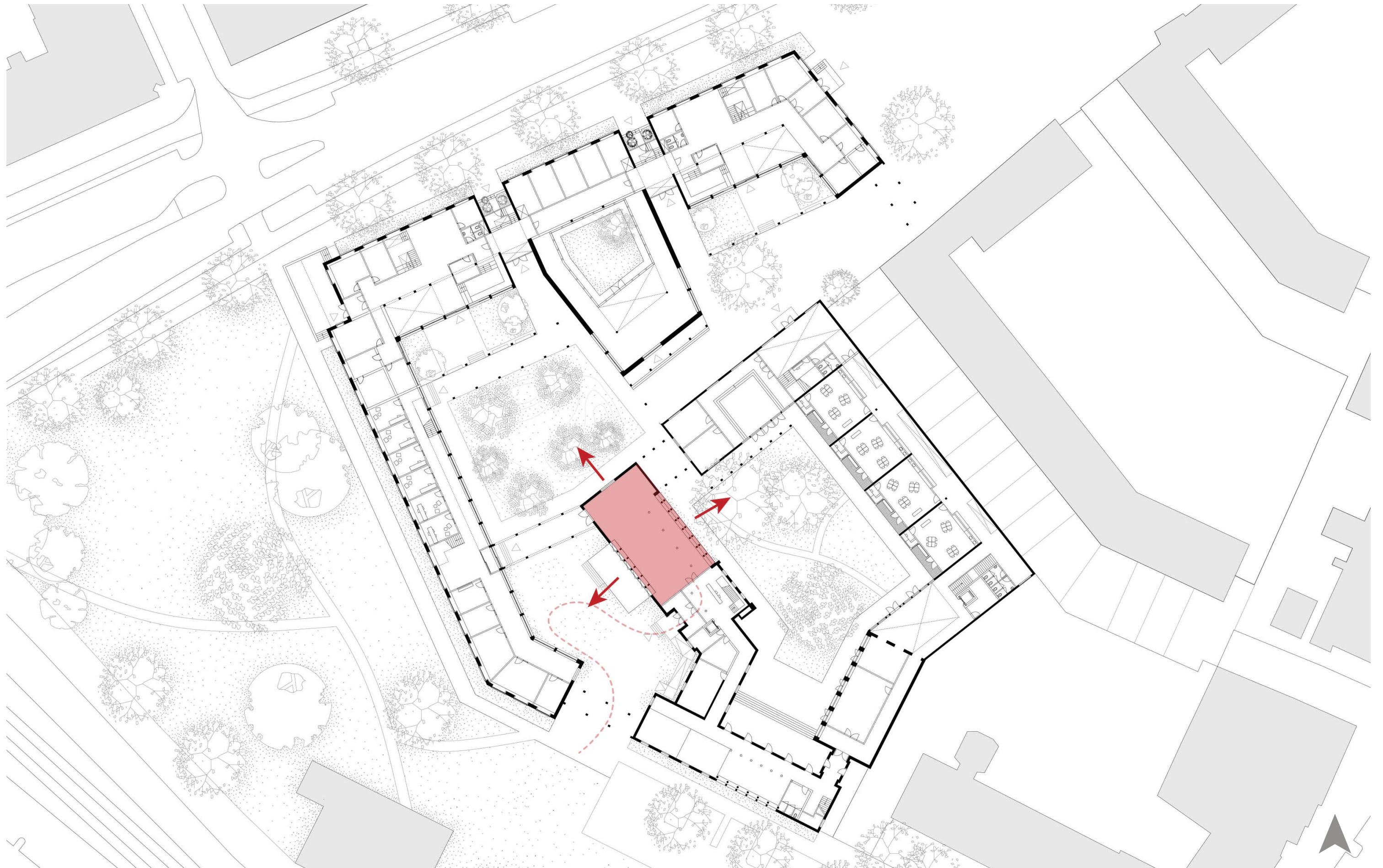








walk through the building  
café , waiting space

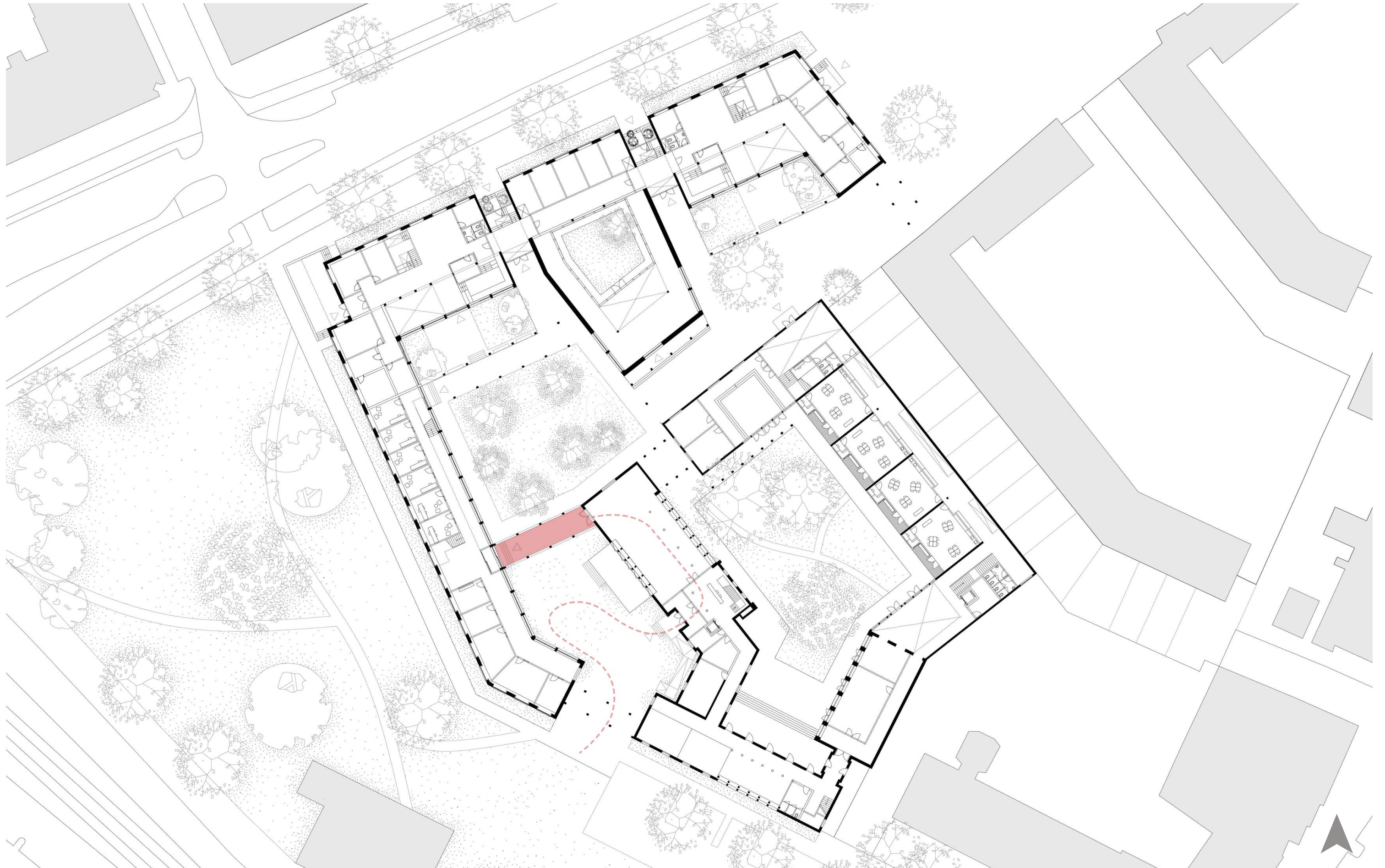








walk through the building  
café , waiting space





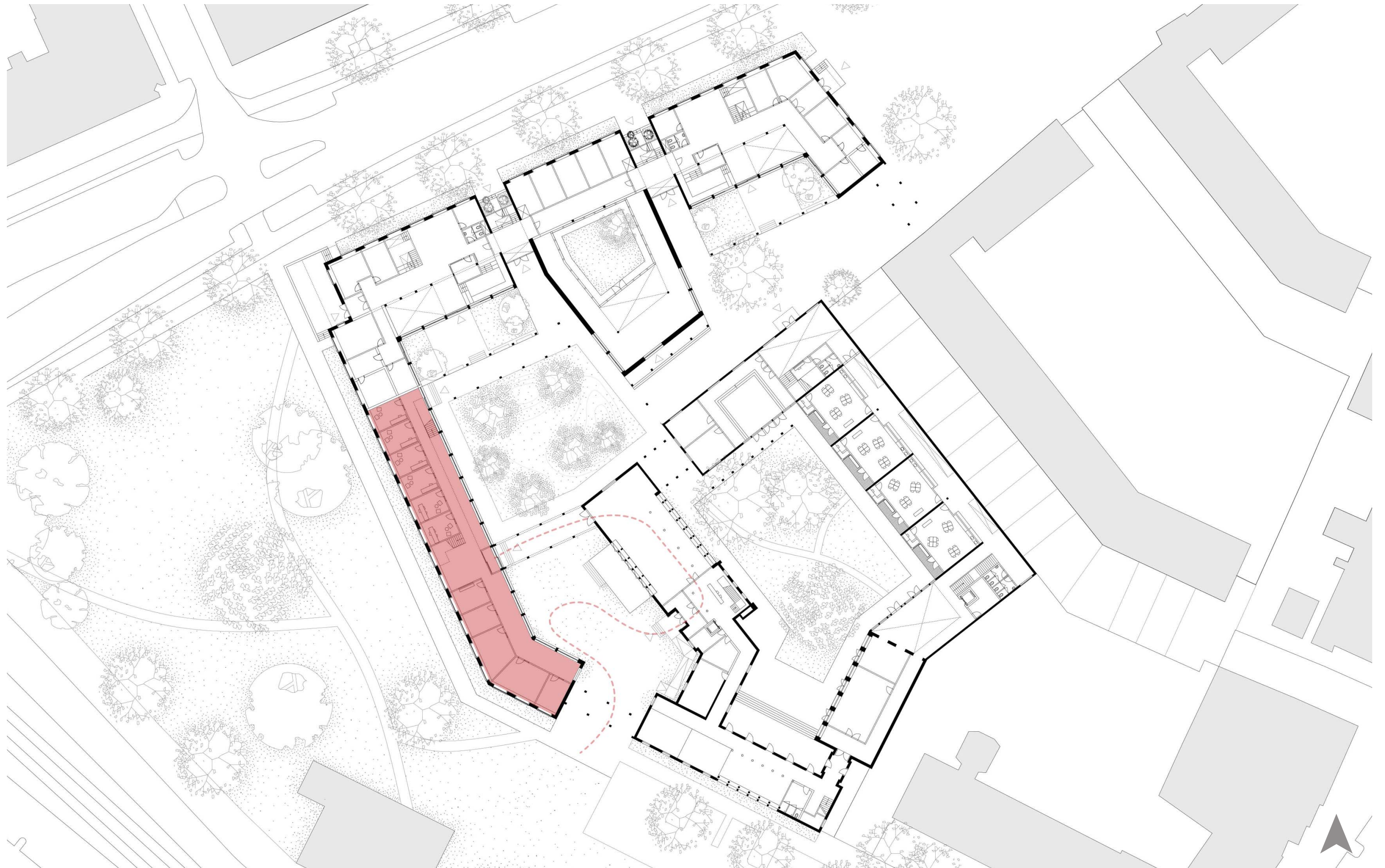








walk through the building  
treatment building

























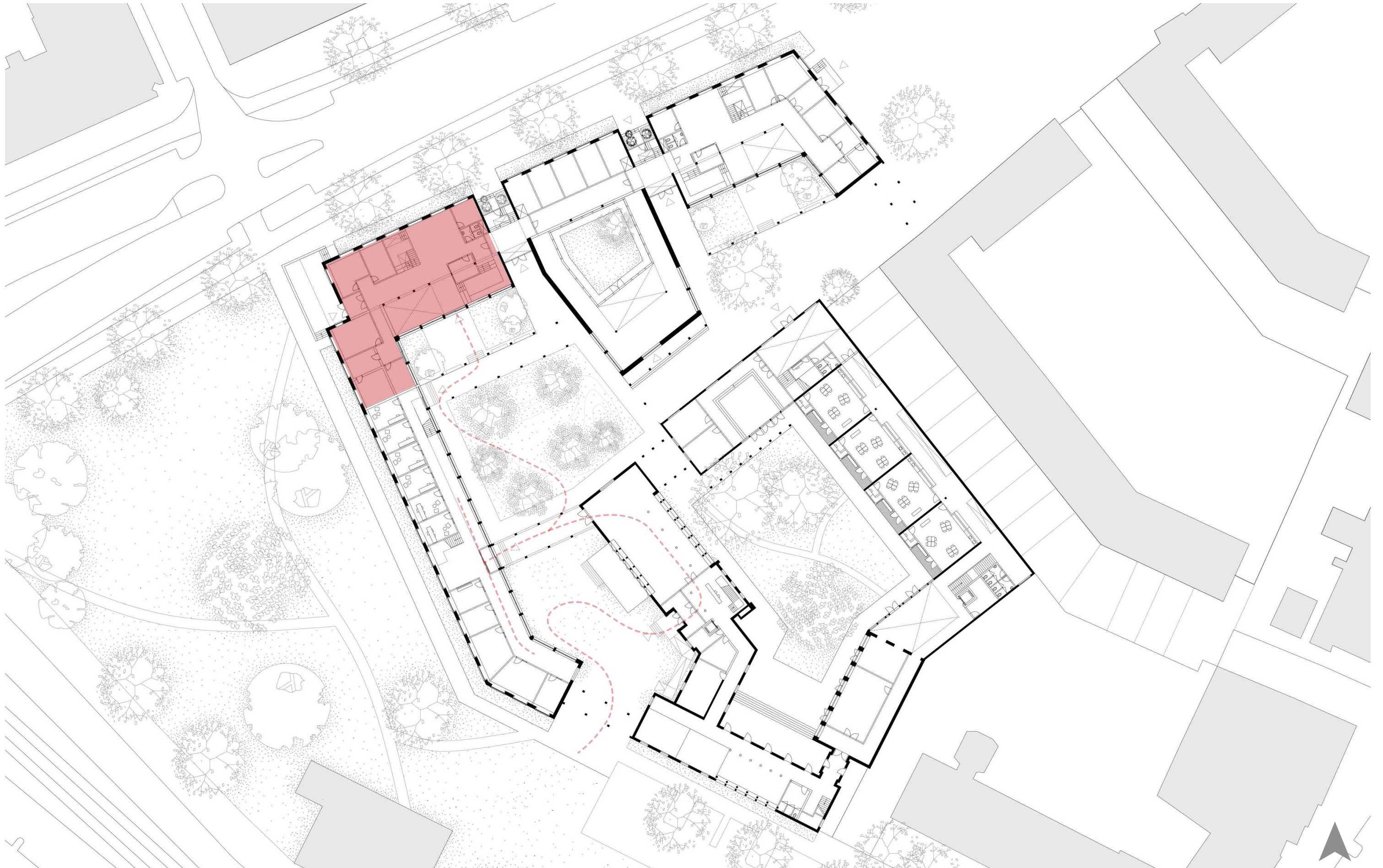






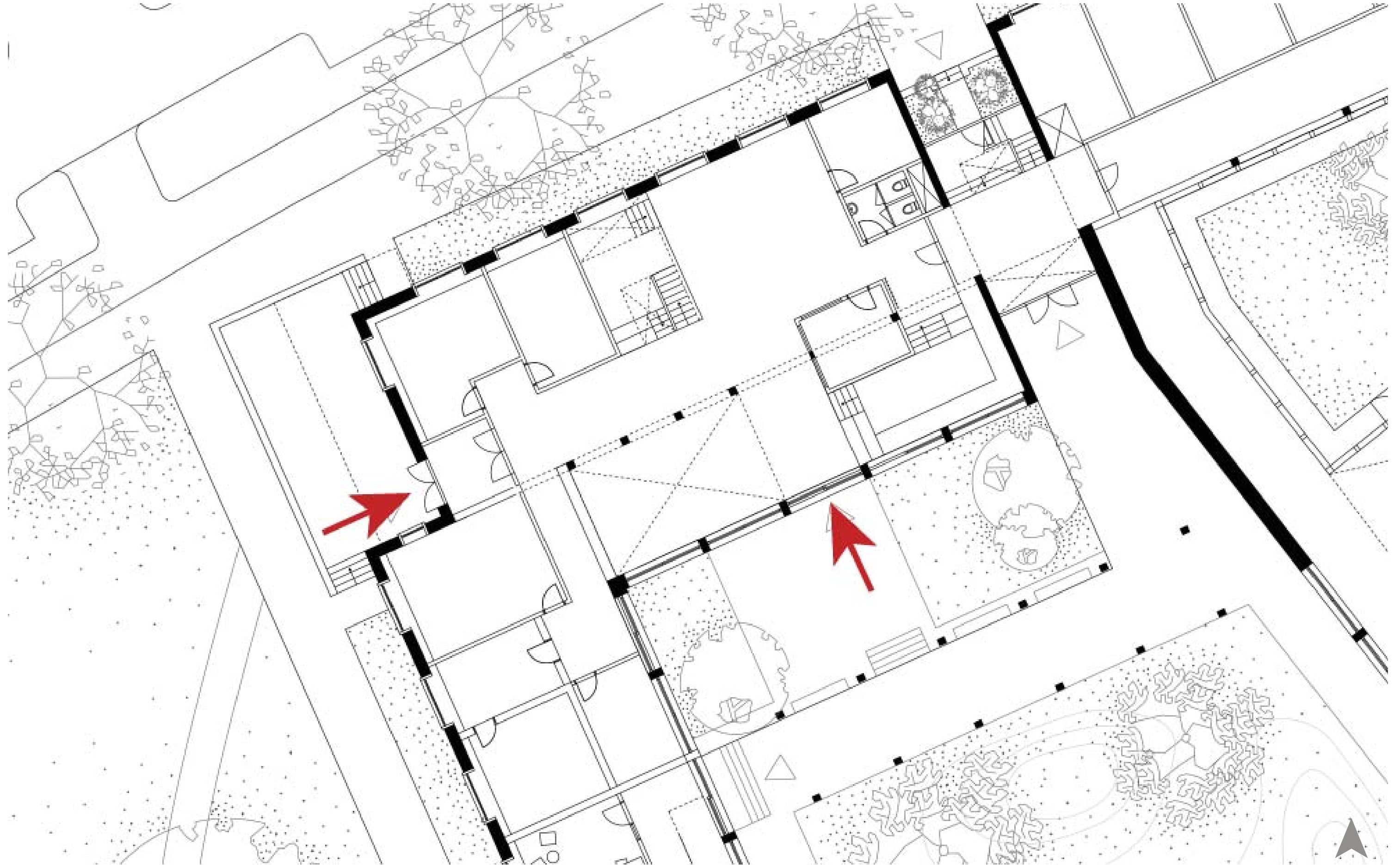


walk through the building  
in-patient clinic





walk through the building  
in-patient clinic, first floor



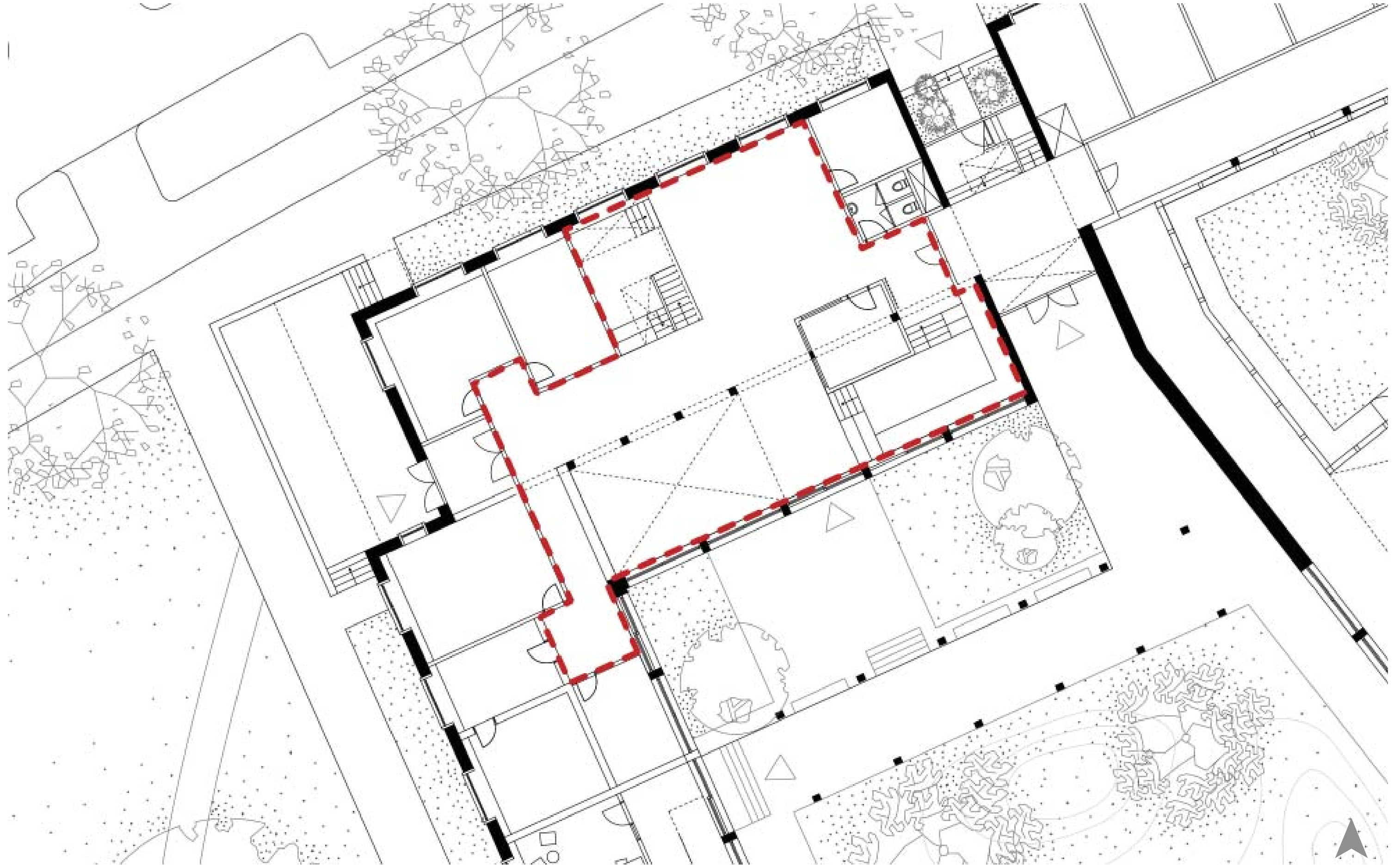


walk through the building  
in-patient clinic, first floor



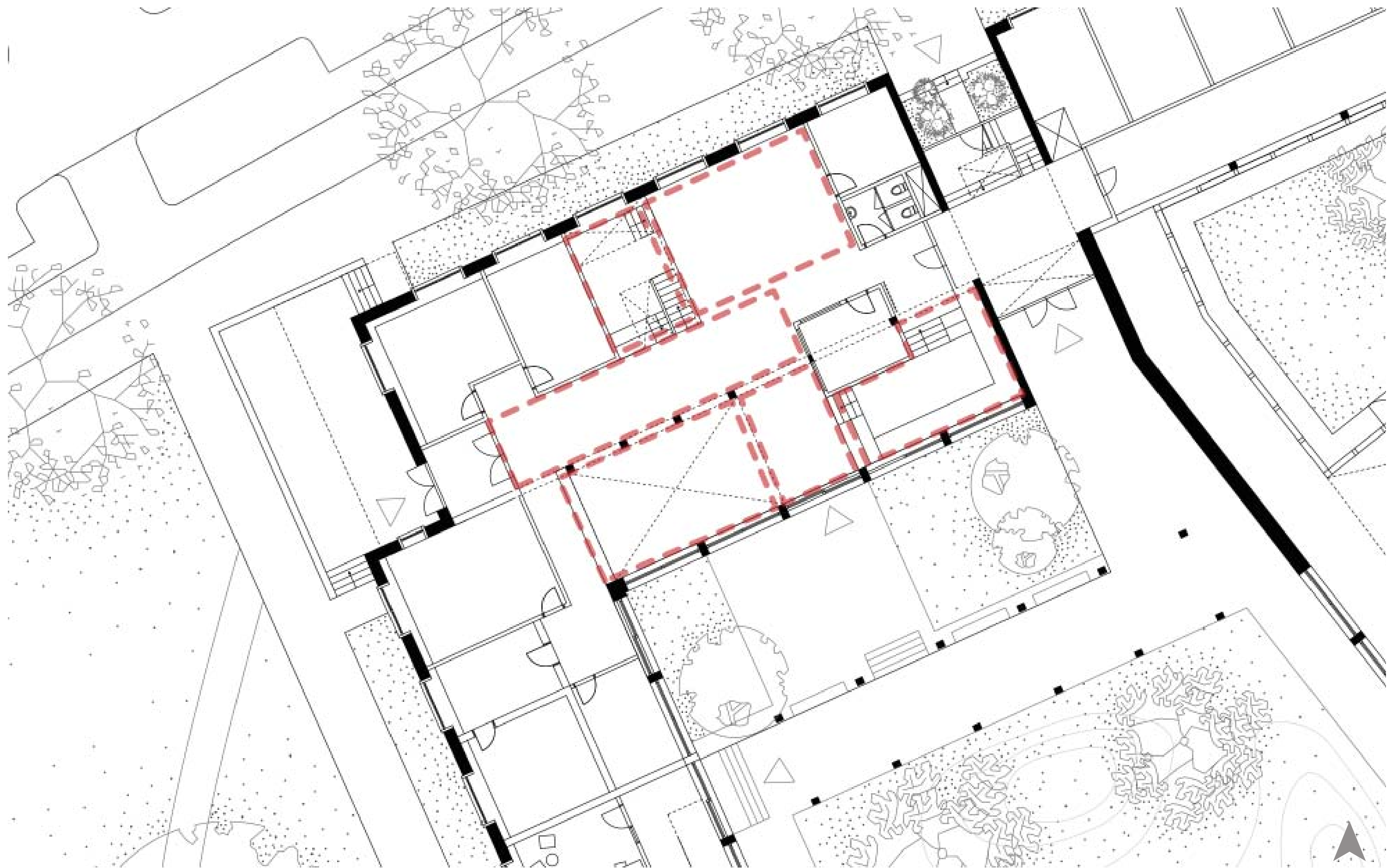


walk through the building  
in-patient clinic, first floor





walk through the building  
in-patient clinic, first floor









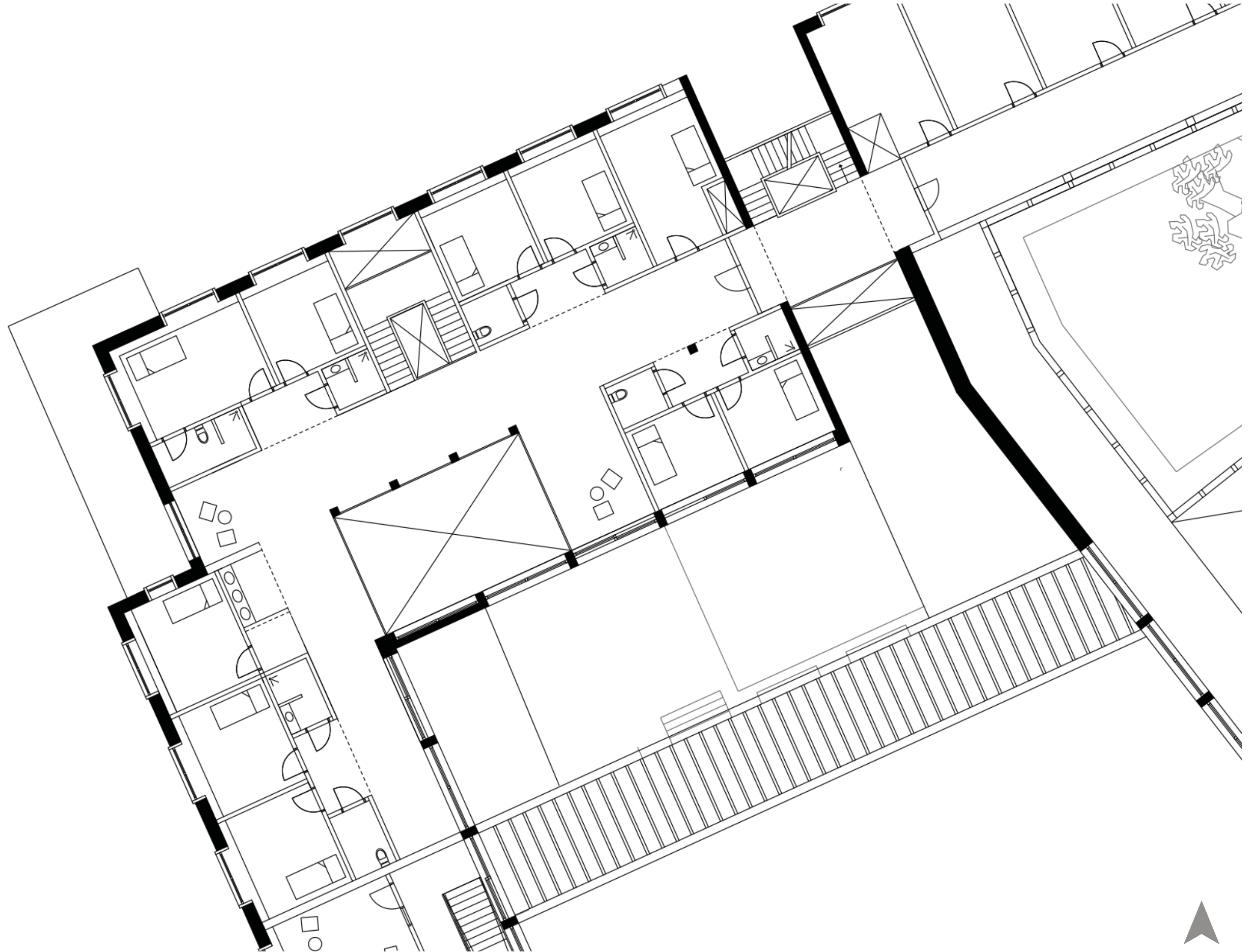






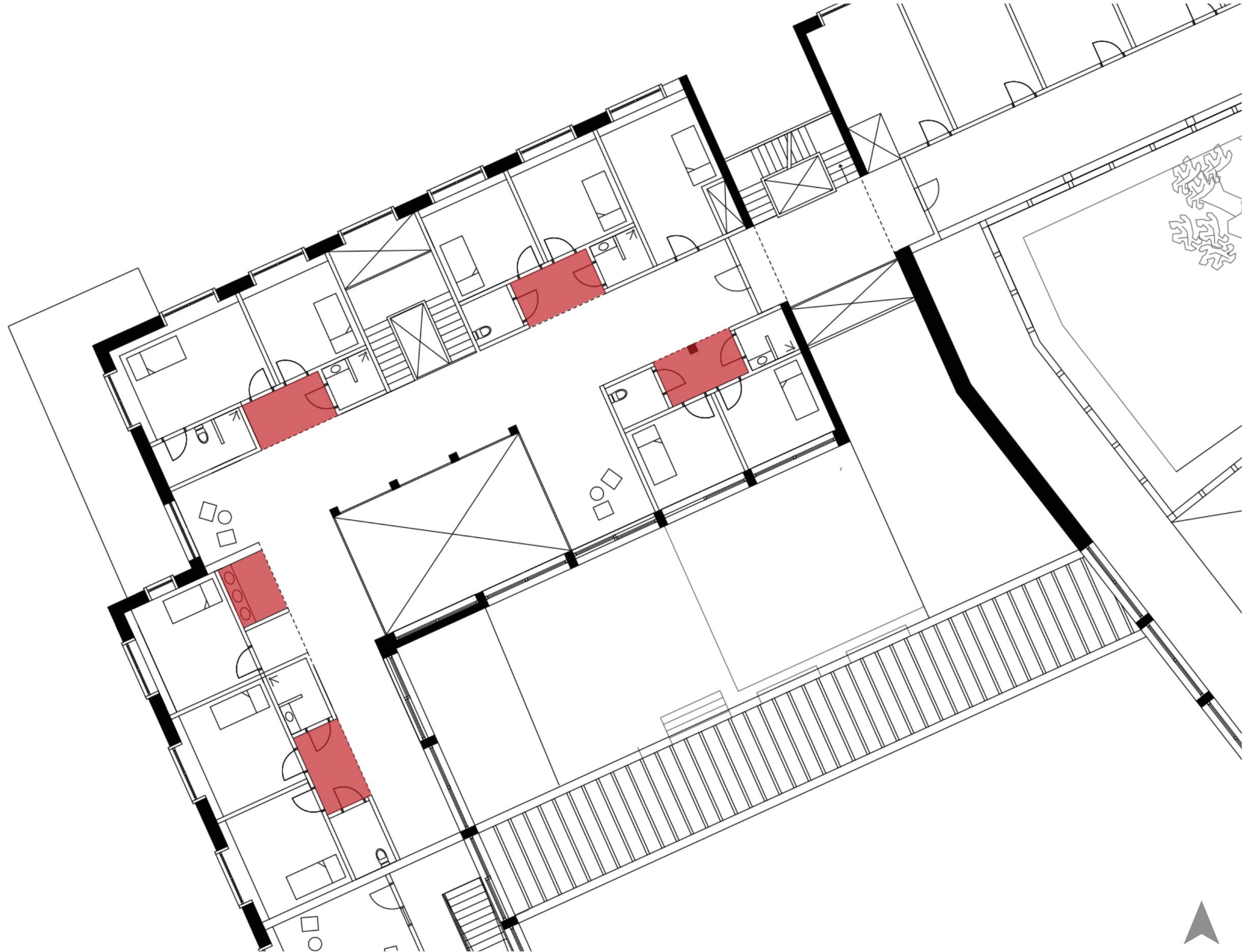


walk through the building  
in-patient clinic, second floor





walk through the building  
in-patient clinic, second floor





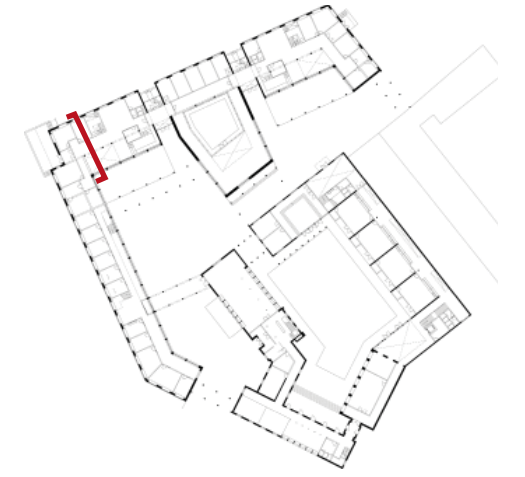
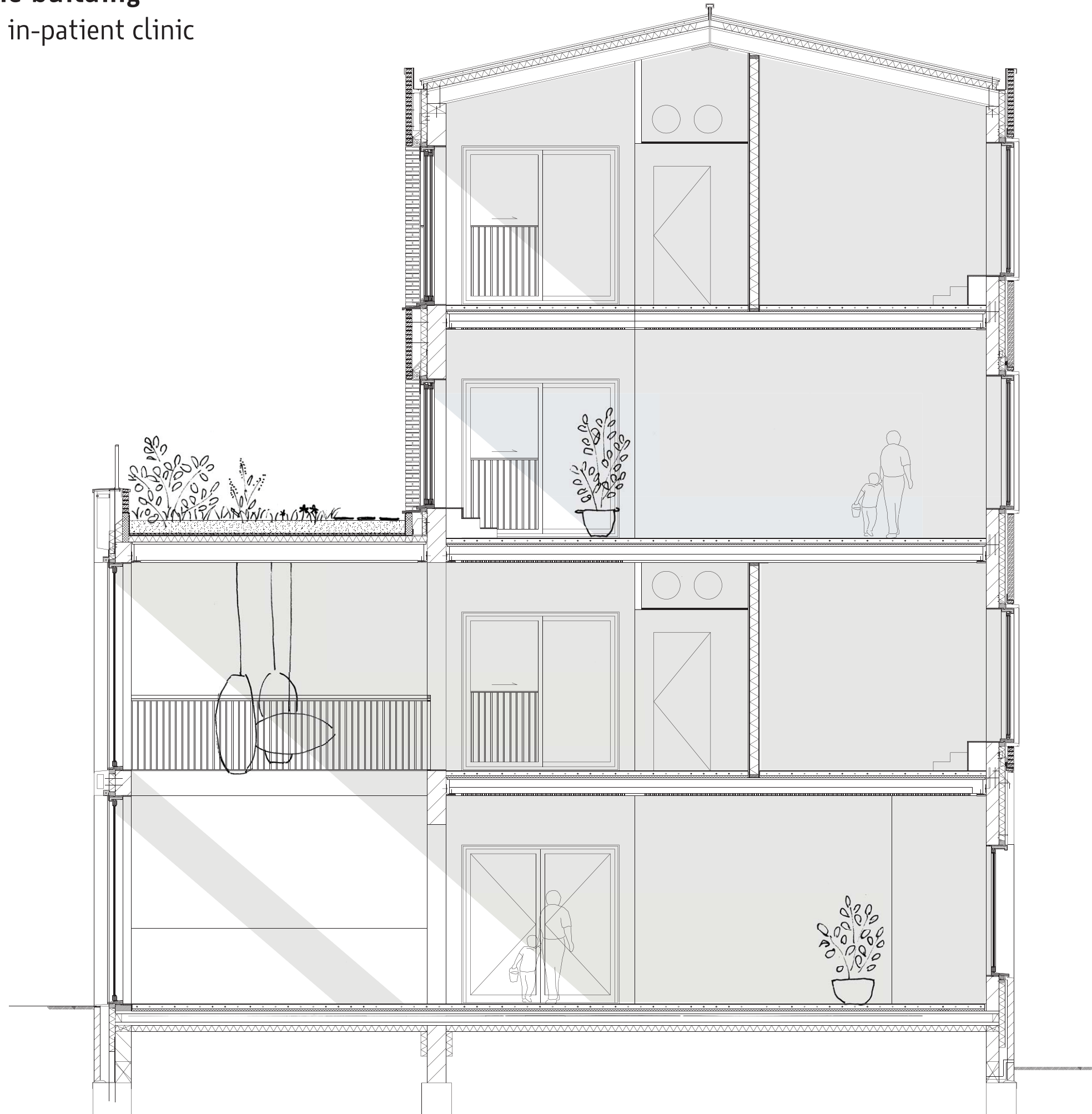






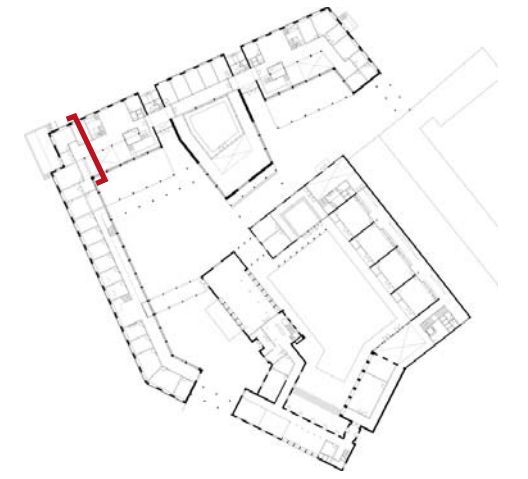
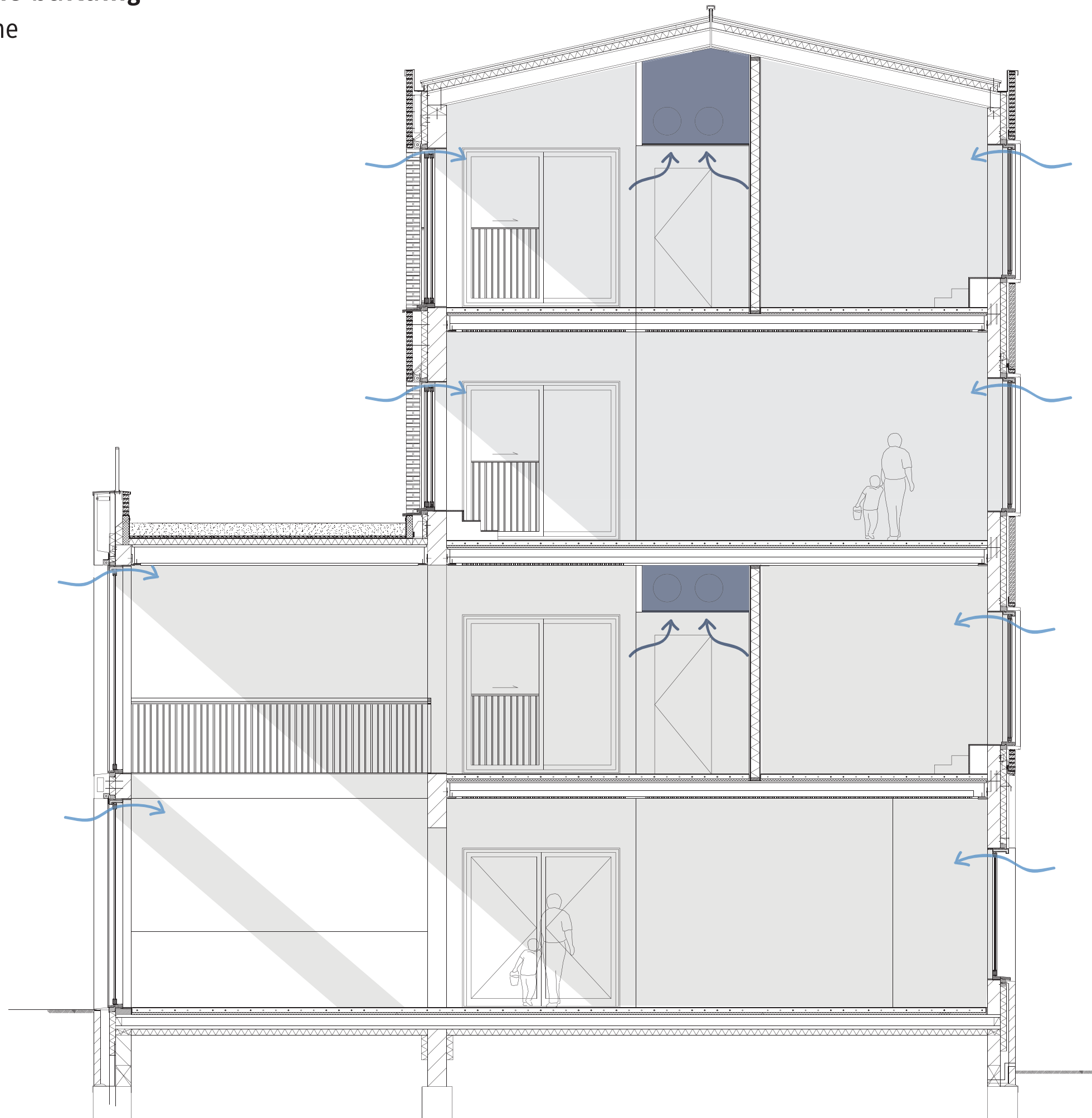


walk through the building  
fragment section, in-patient clinic



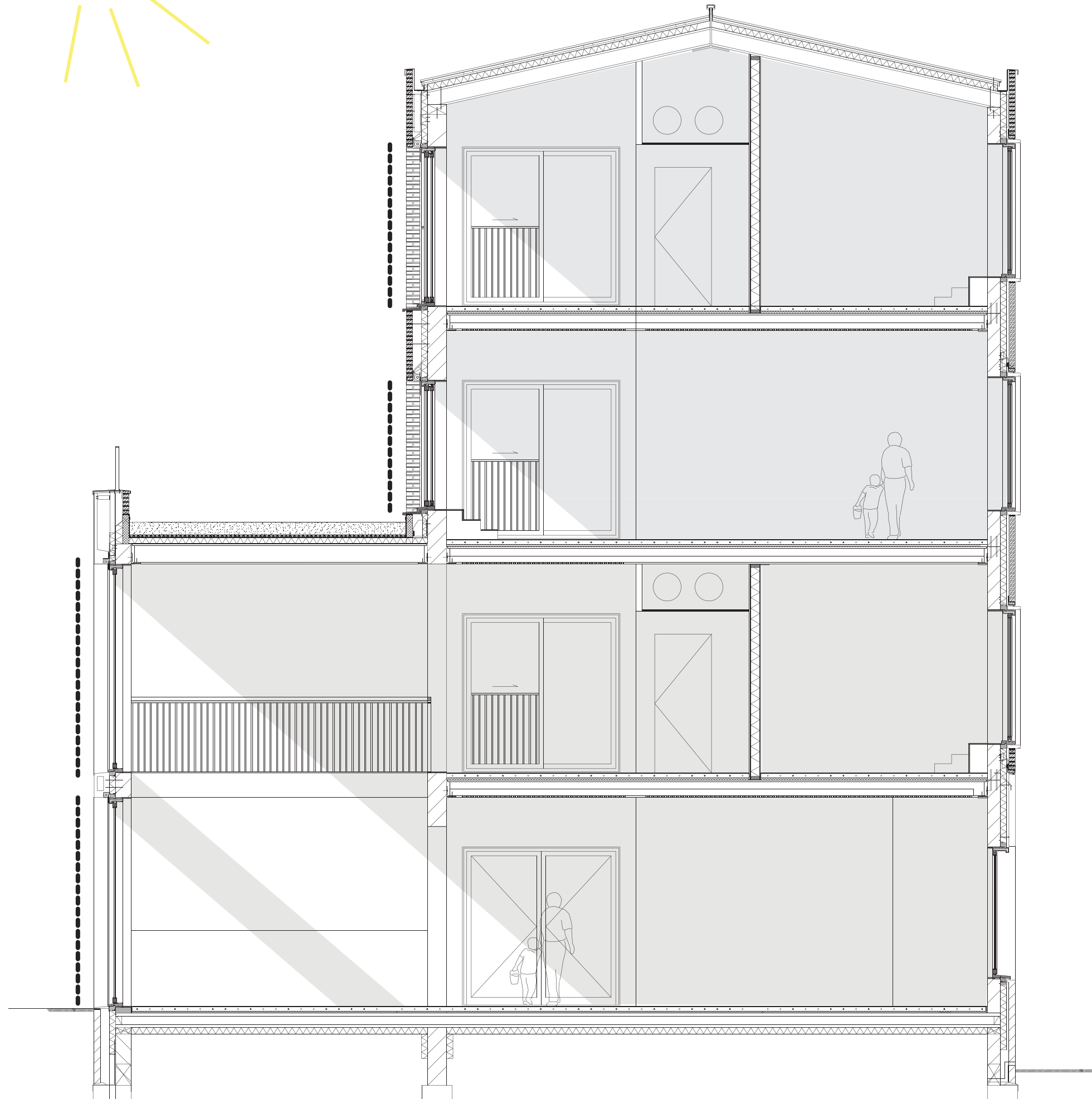


walk through the building  
ventilation scheme



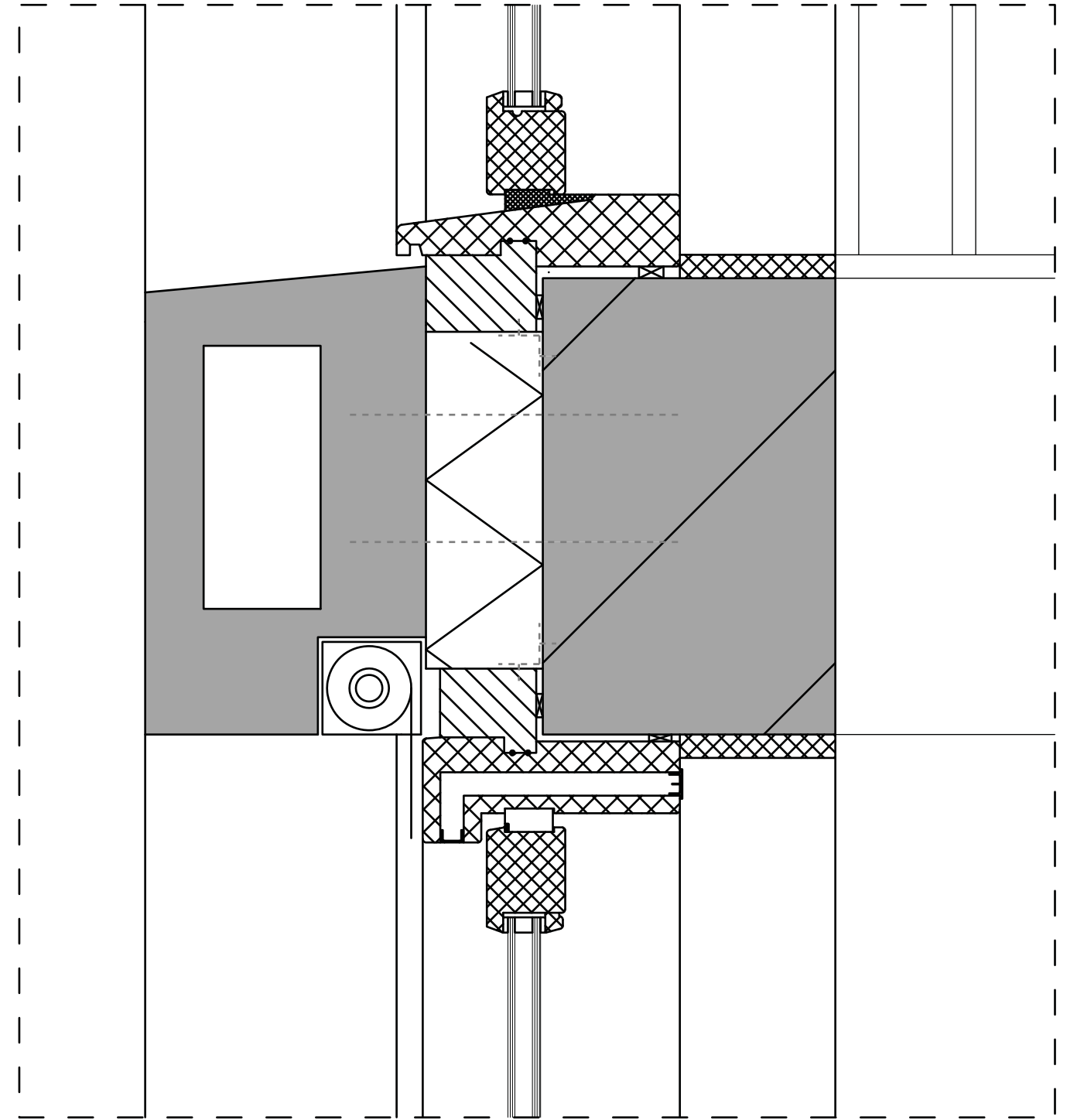
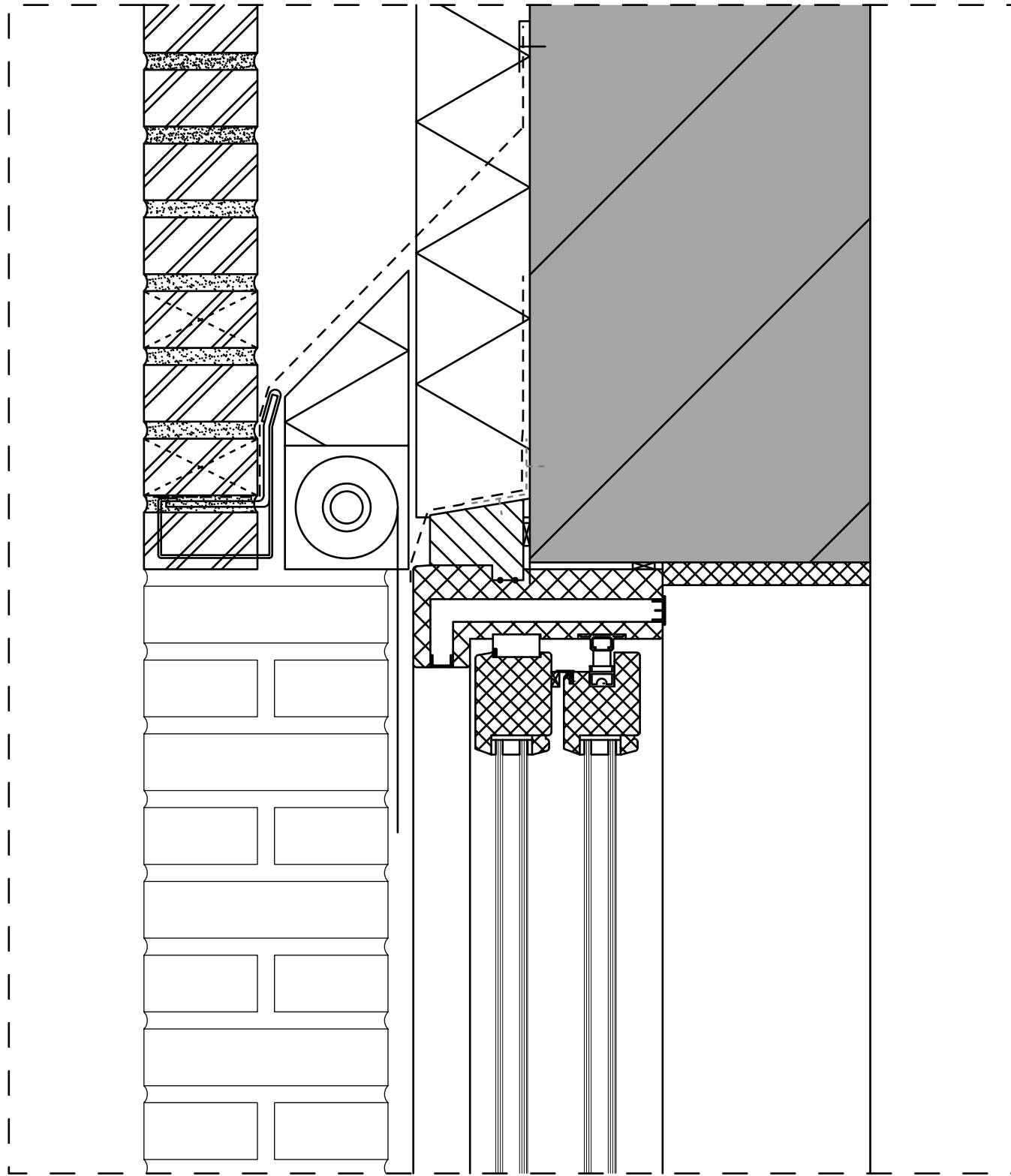


walk through the building  
sunshading



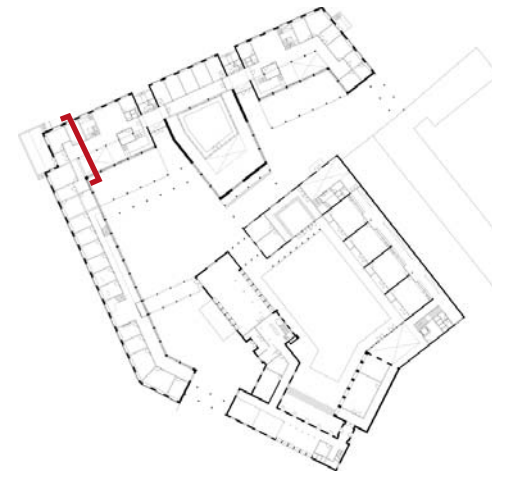
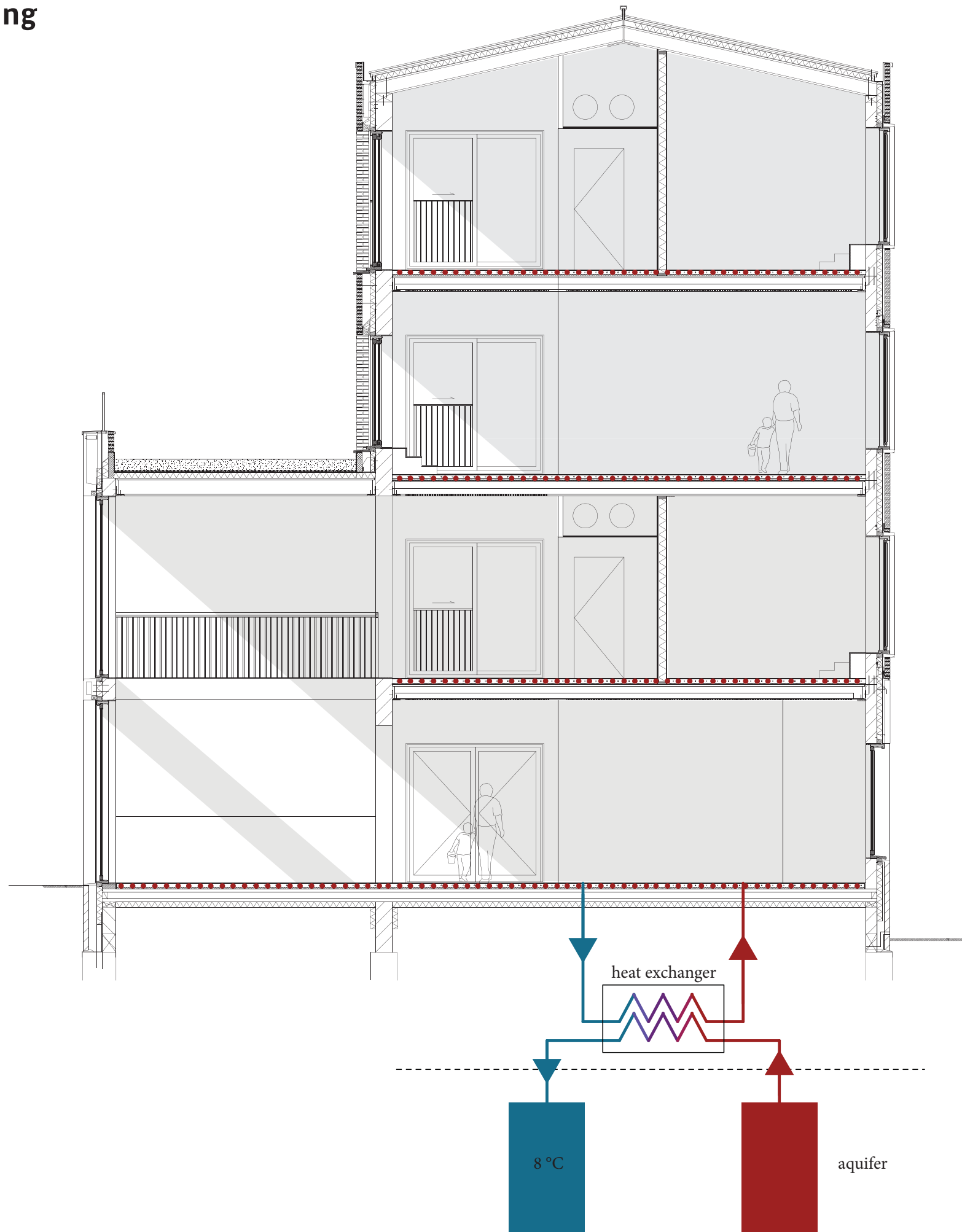


walk through the building  
details sunshading and ventilation



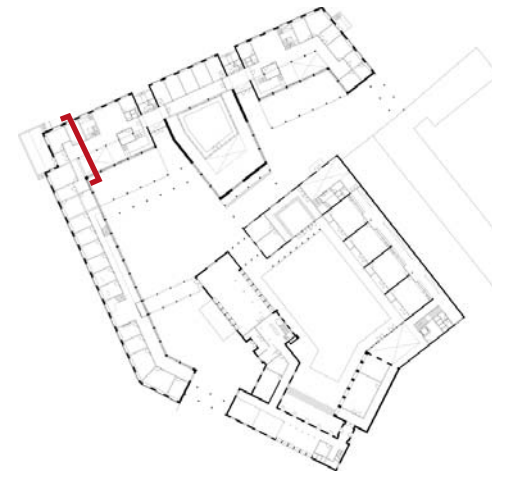
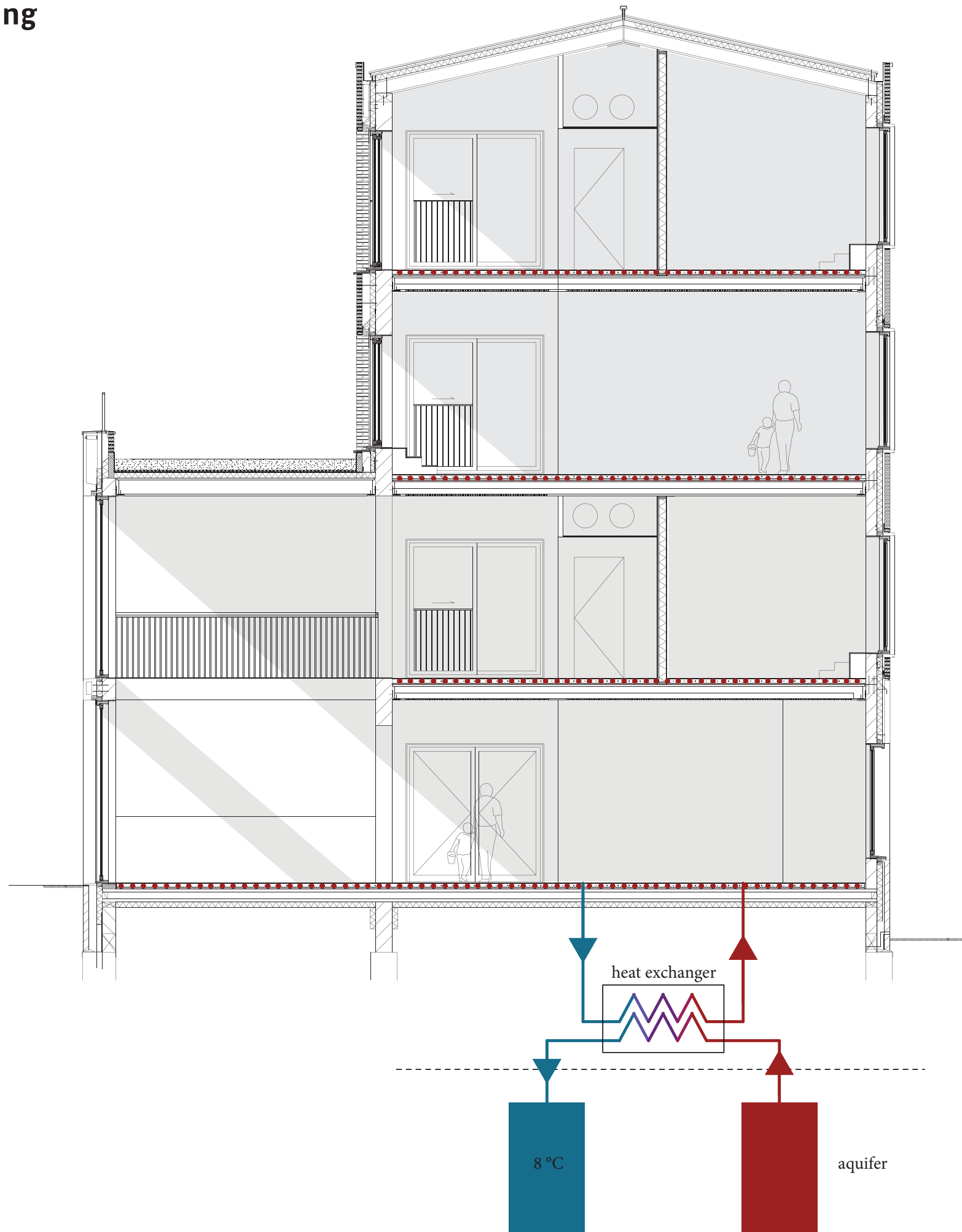


walk through the building  
heating, winter situation





walk through the building  
cooling, summer

















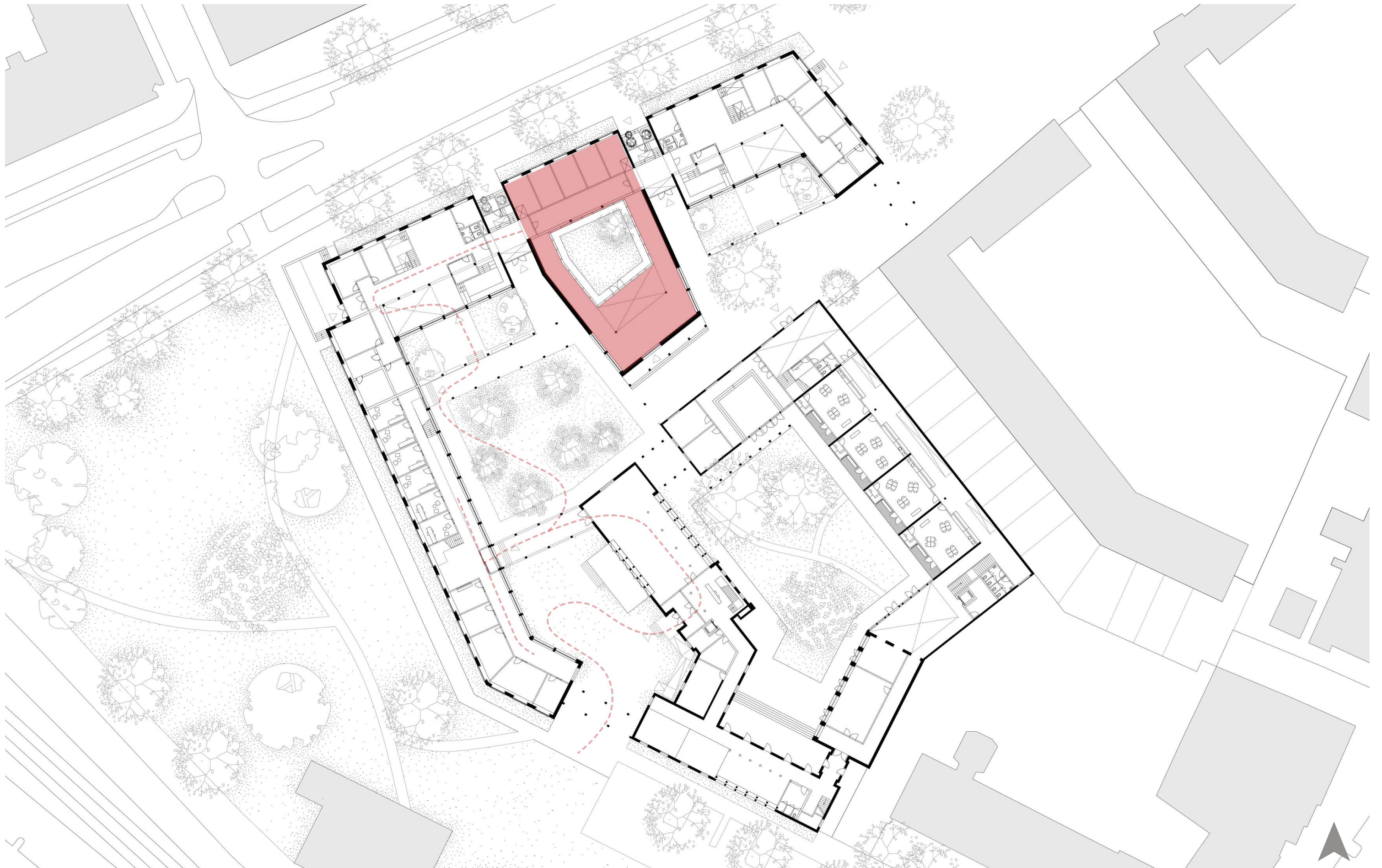








walk through the building  
communal space, patio













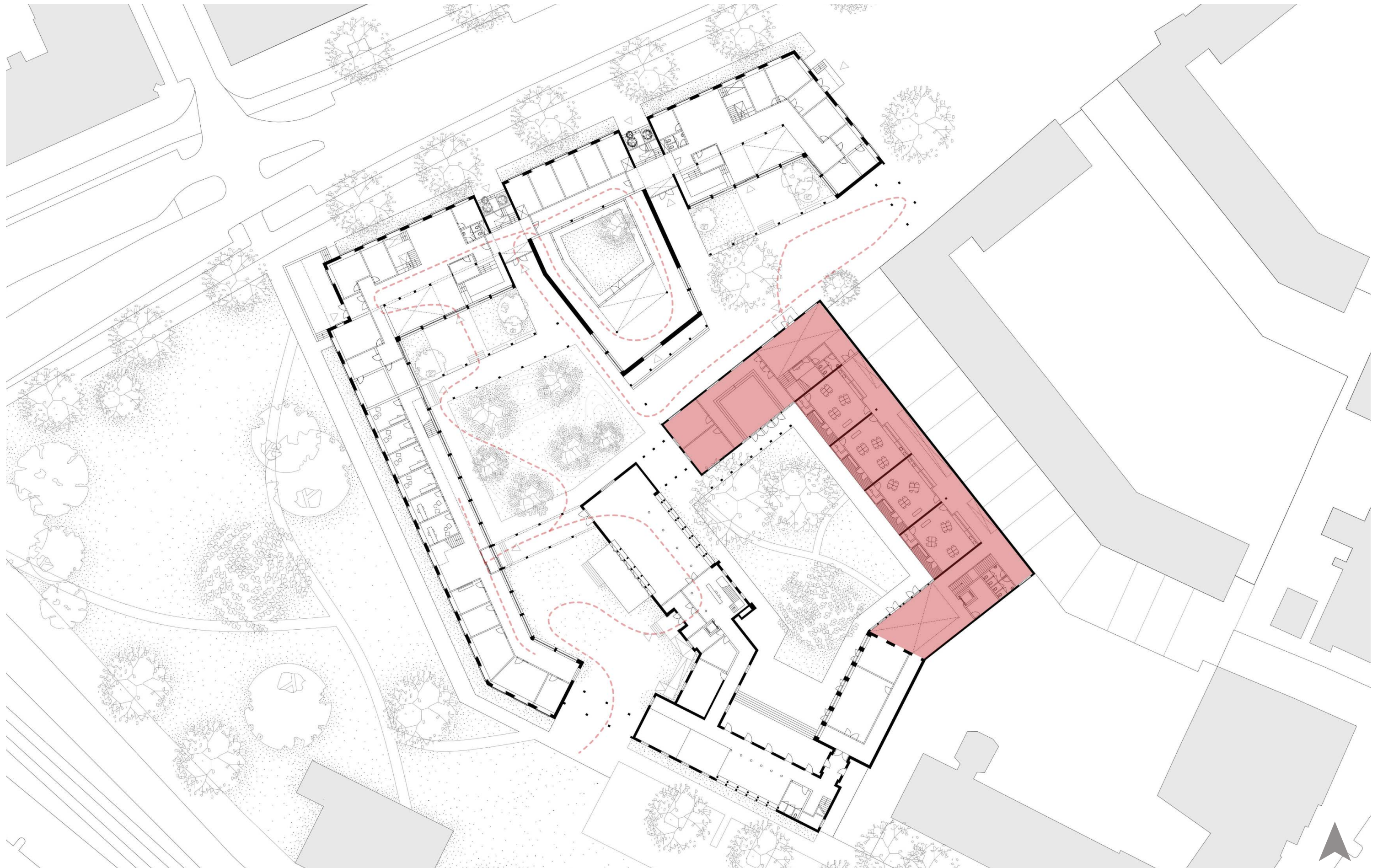








walk through the building  
school







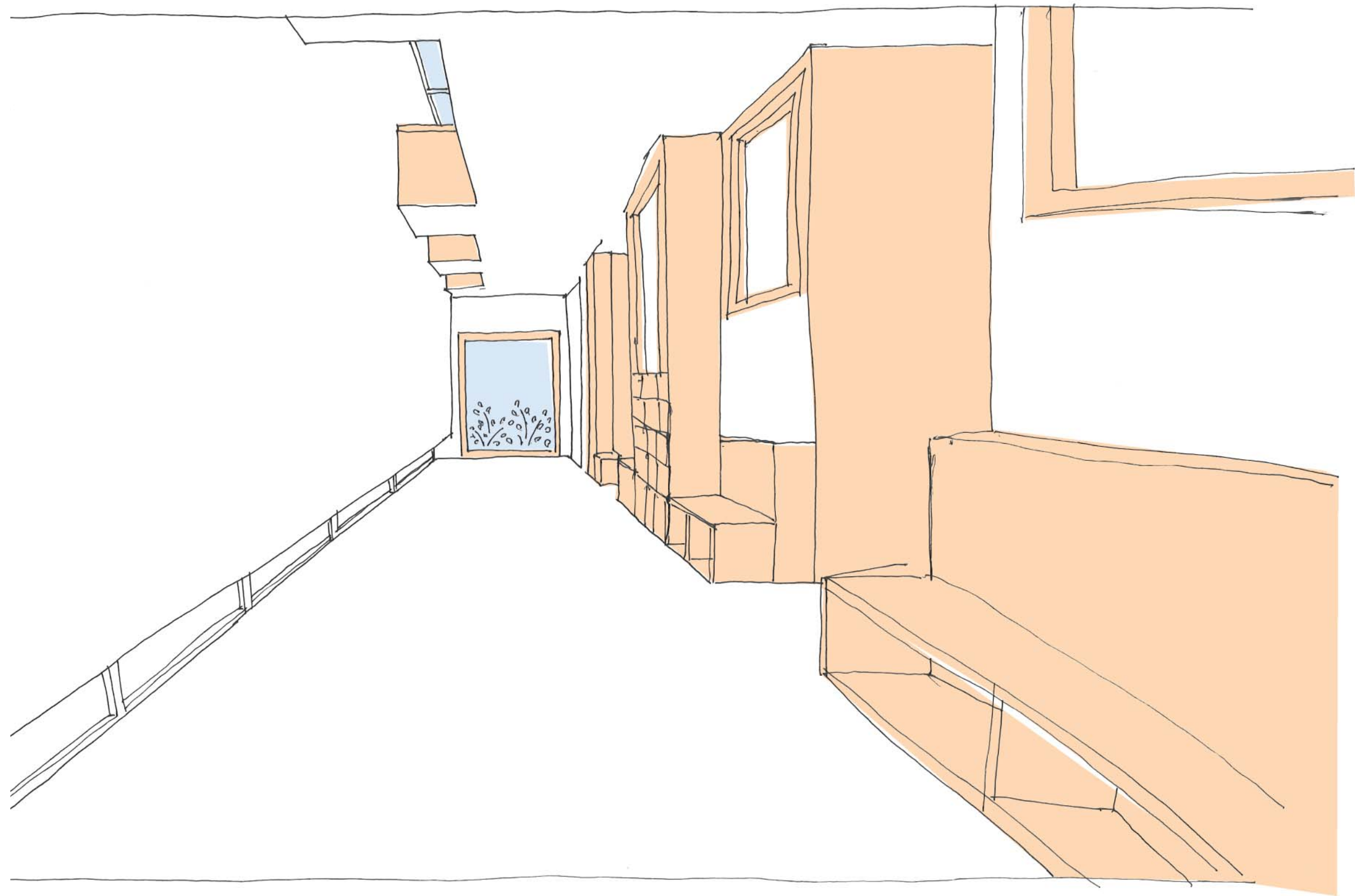






























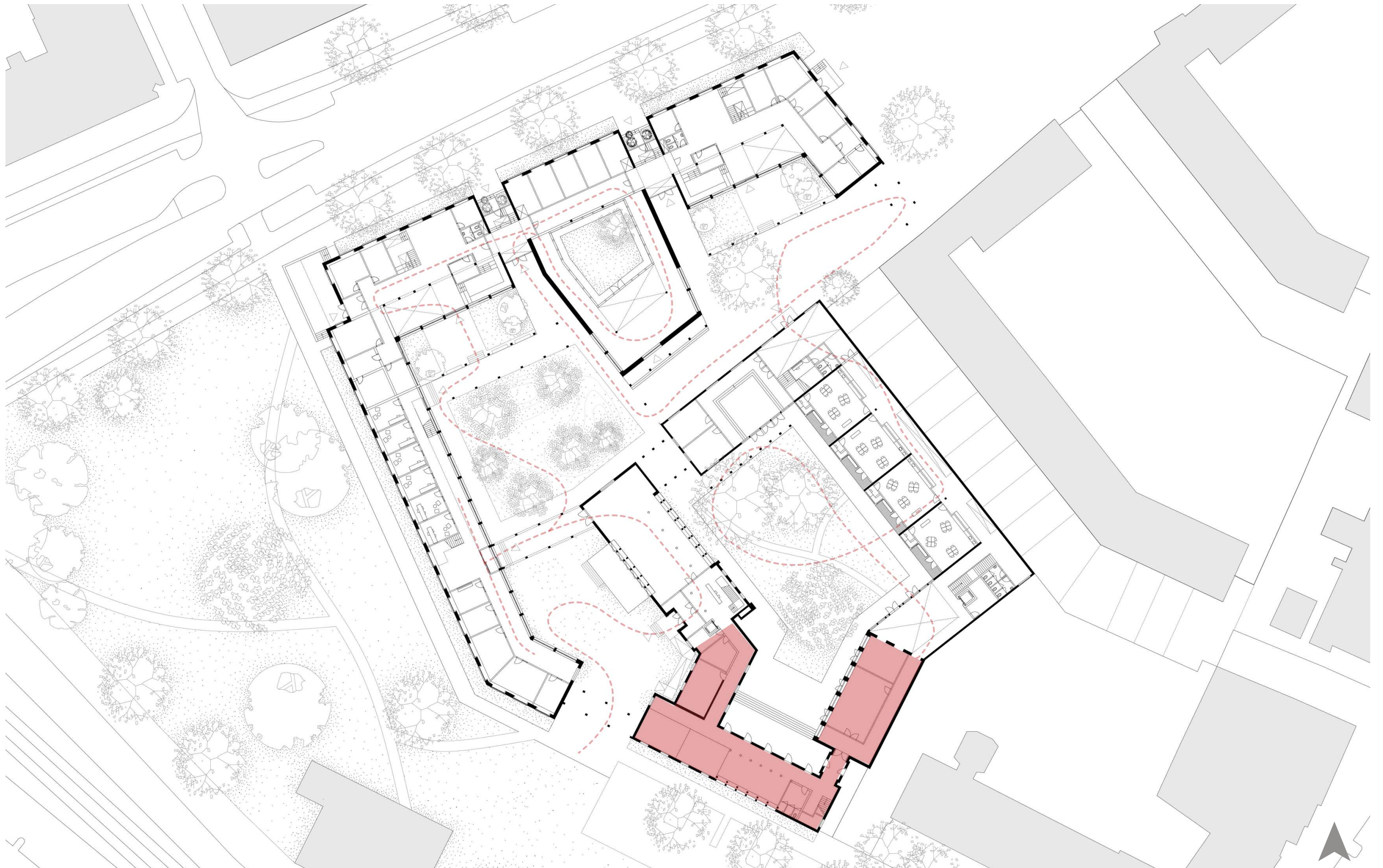








walk through the building  
chapel, monastery

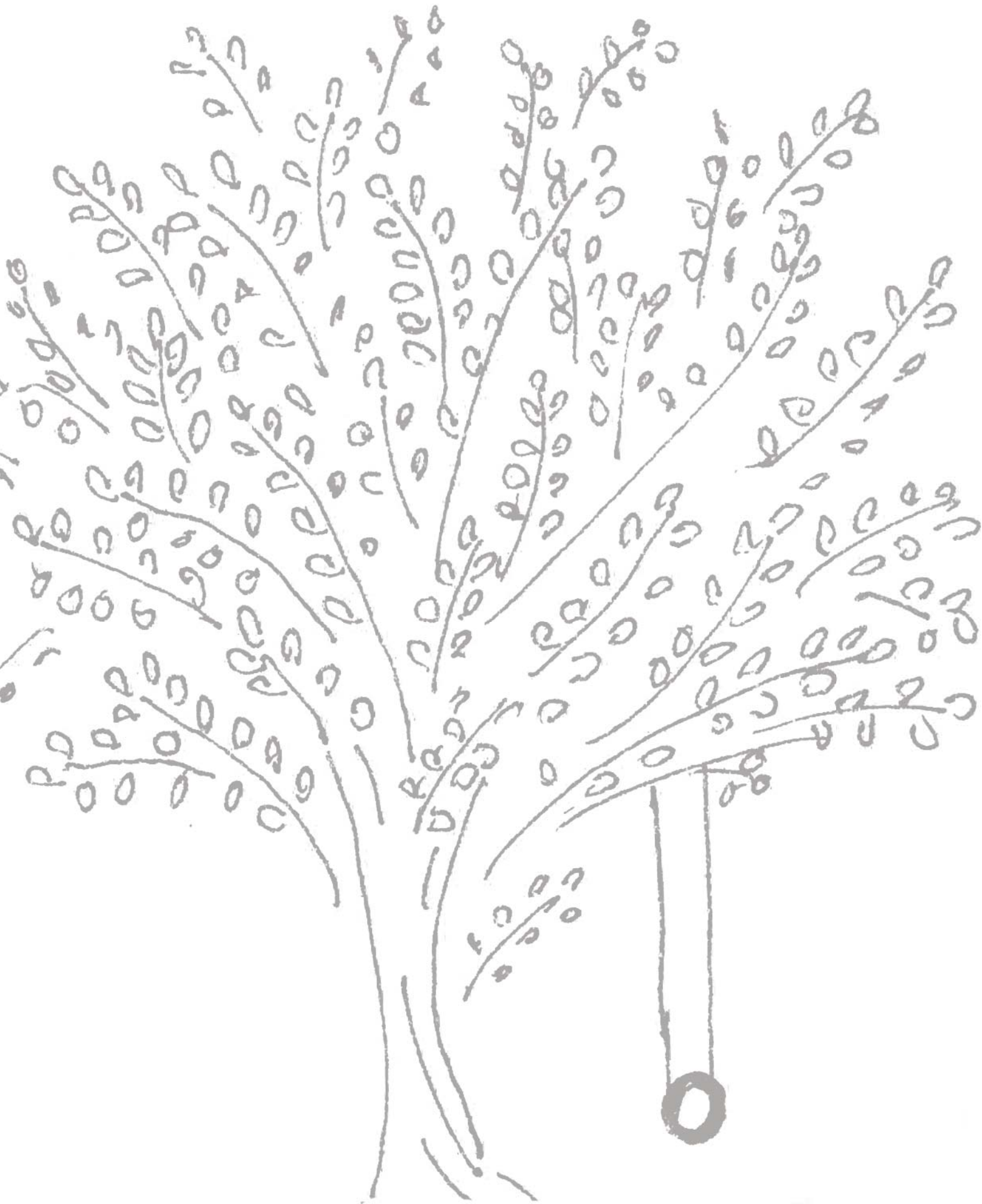








## reflection



- program
- urban implementation
- architectural theme





**thank you for listening!**