



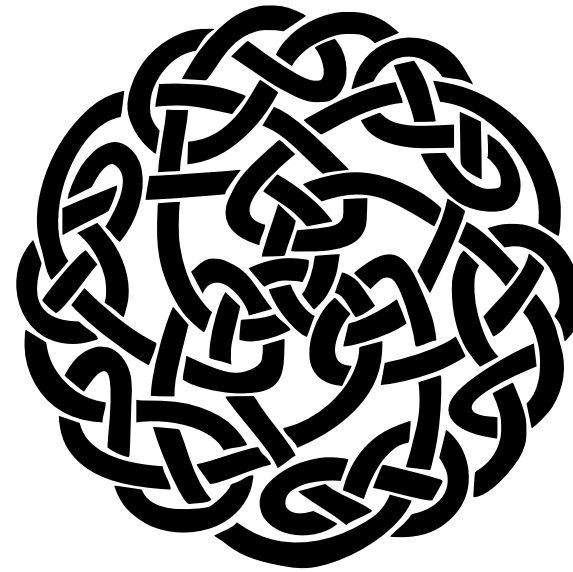
The
school
for
**Gold
and
silver
smithing**

Sanne Luider
4813030



Golden Lunulea

Crescent neck rings are characteristic ornaments from the early Bronze Age in Europe.



Celtic ornamental motif

The Celtic style is a fusion of existing jewelry traditions with the influence of the Germaase and Viking ornaments. This jaw-ritual style is reflected in this design for a tattoo.



**Juwerly is the most
transformative thing you can
wear.**

- Iris Apfel -
American business woman
and fashion icon



History of gold mining

Scoop soil material from the riverbed with a gold pan.



Present gold mining

in 2019 42% of the gold supply worldwide comes from recycled gold.



Craftsmanship today



gemstone, natural stone and pearls



aluminium jewelry



bronze jewelry



copper jewelry



leather jewelry



cotton jewelry



wooden jewelry



plastic jewelry



gold jewelry



silver jewelry



titanium jewelry



rhodium plating - gilded materials



goldsmithing



silversmithing



research and craft of gems

Location





Rotterdam



Delfshaven



Plot
Existing situation



Plot
Existing situation



Shops and rooftop park

architect: W. (Wouter) Butzelaar end
M. (Max) van Son
date: 2009-2011

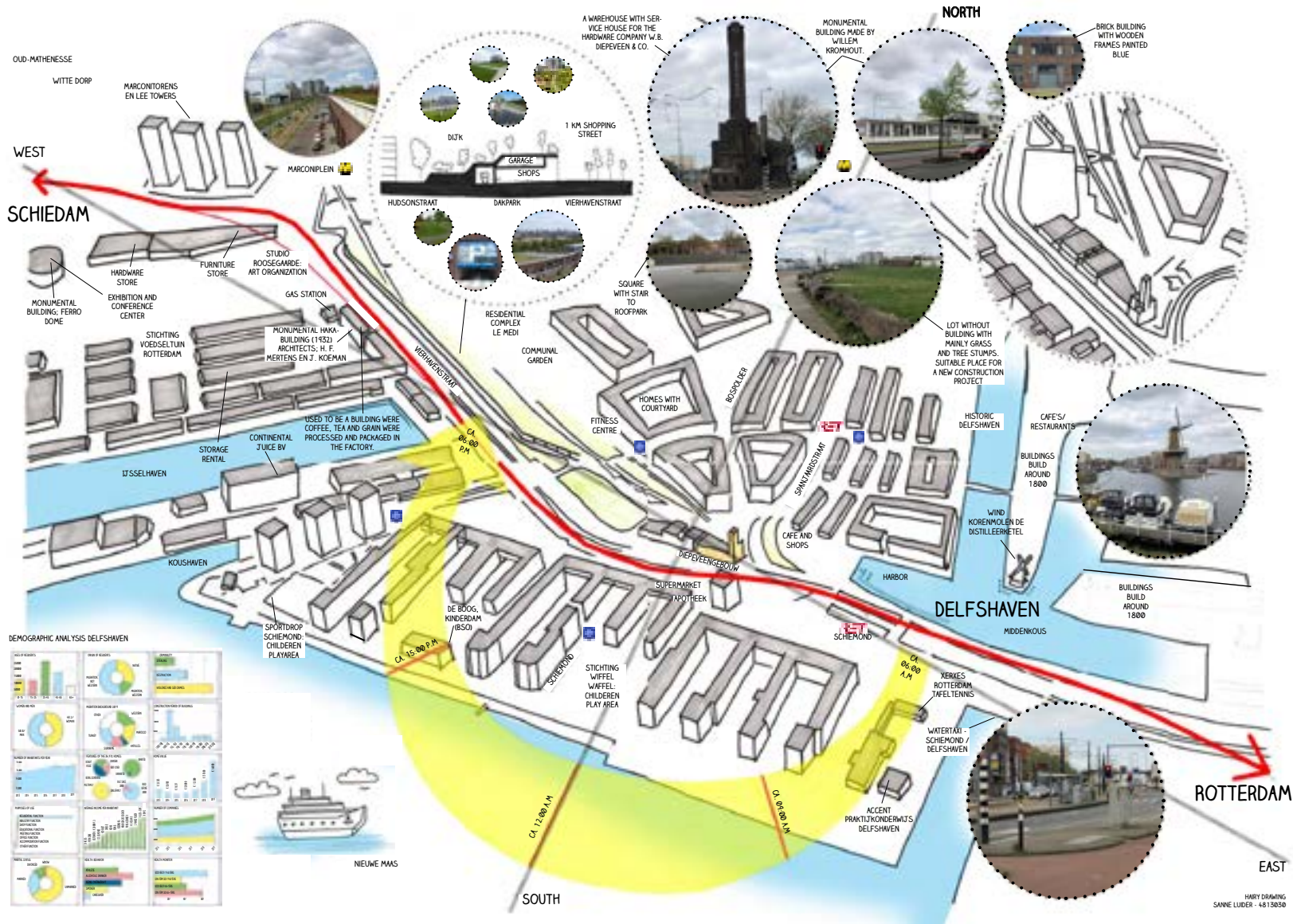


Diepenveen building

architect: W. (Willem) Kromhout

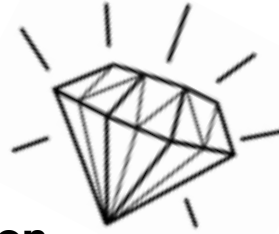
date: 1929

style: cubism



Current situation
Overview of the environment

Inspiration





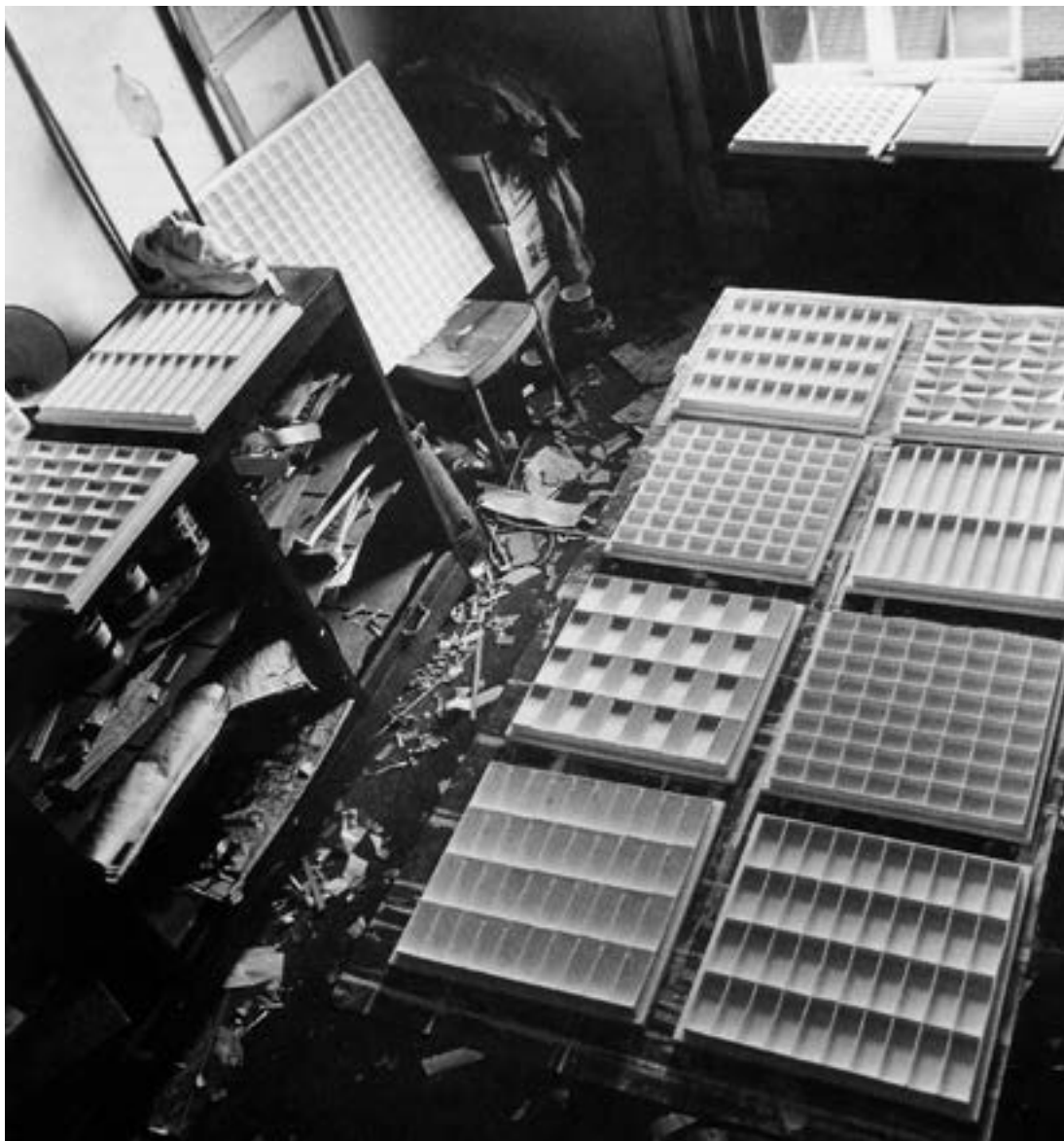
Research into Silver and Goldsmithing

- Location, Delfshaven Rotterdam
- History of the location
- Brick leporello
- Specific topics of a craftsmanschool
- Selection of materials
- Architectural designs



1. Proportions
2. Materials
3. Time

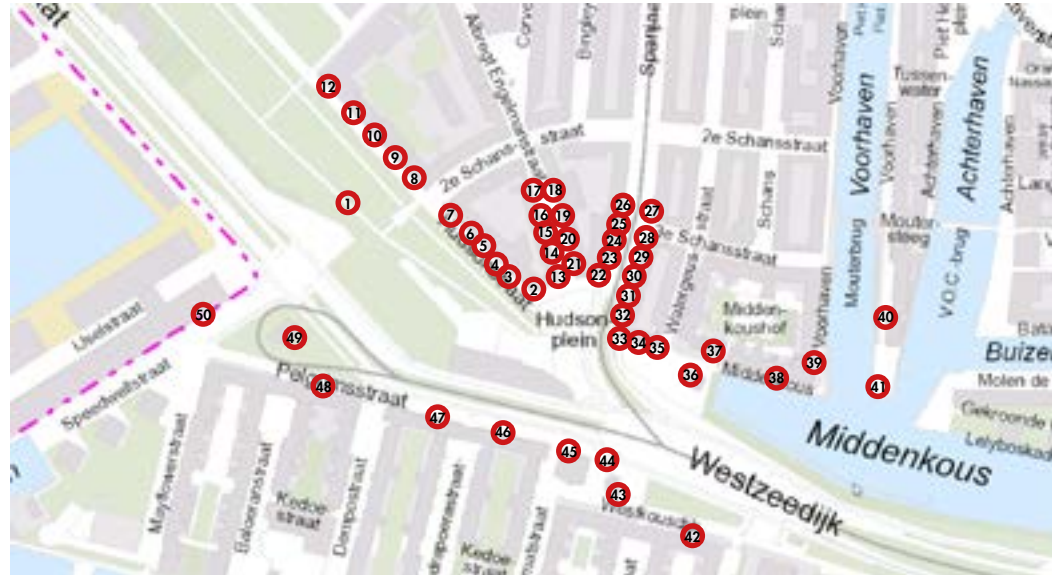




Work of Jan Schoonhoven
(1914-1994):
Art direction 'Nulgroep'



Fifty pictures of the area
Facade details



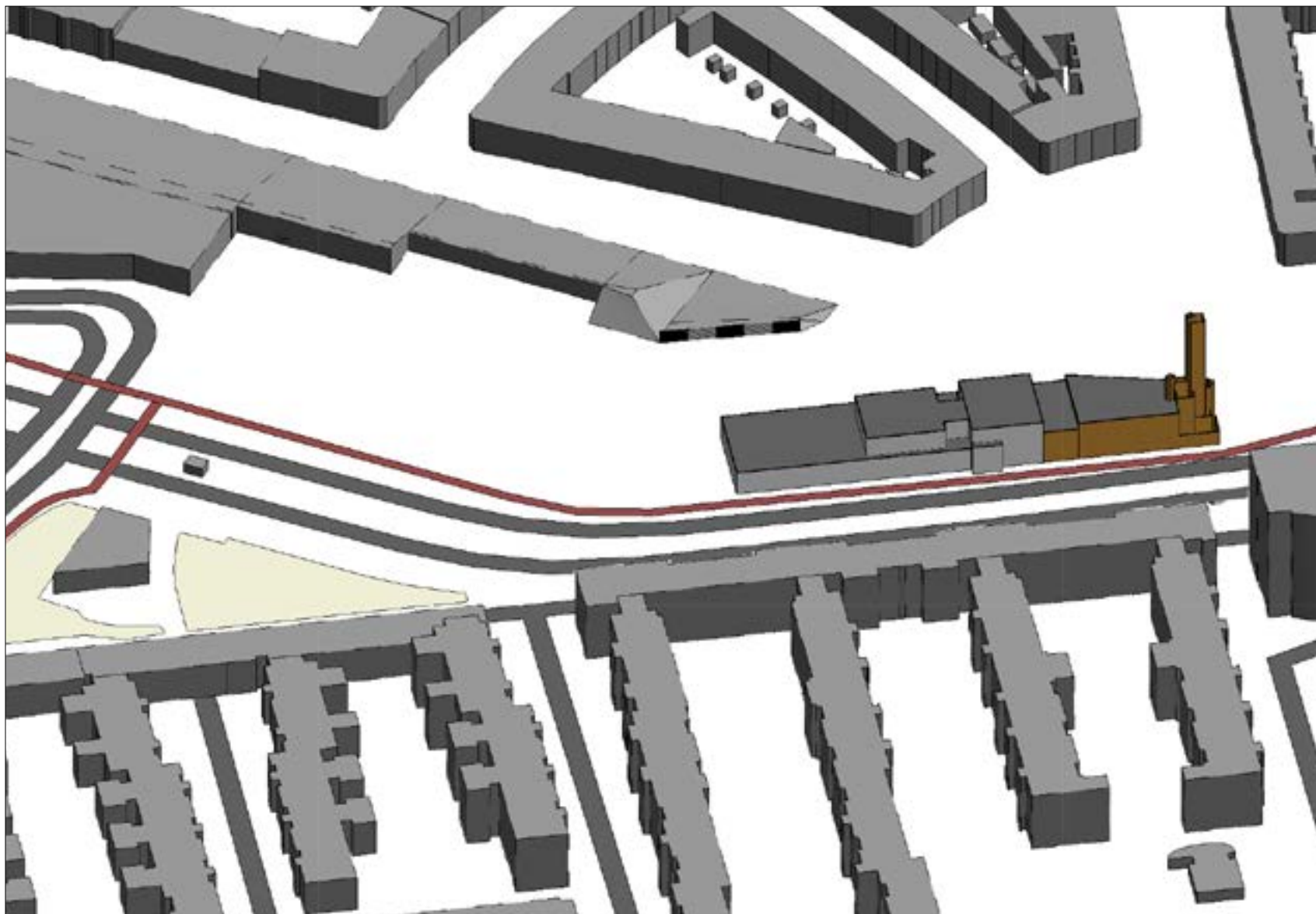
Location of pictures
Fifty pictures of the area



History
Age of the buildings

Design

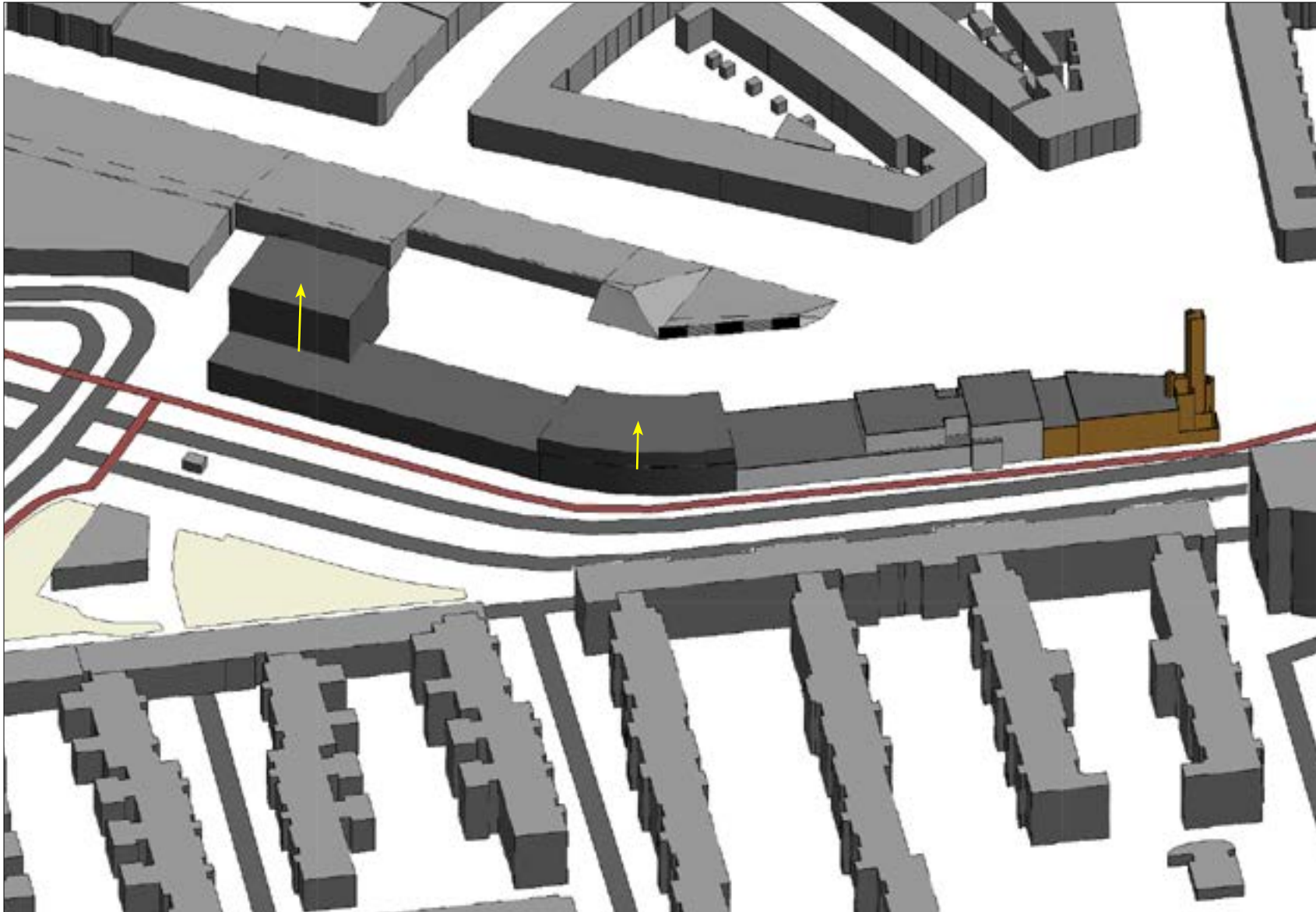




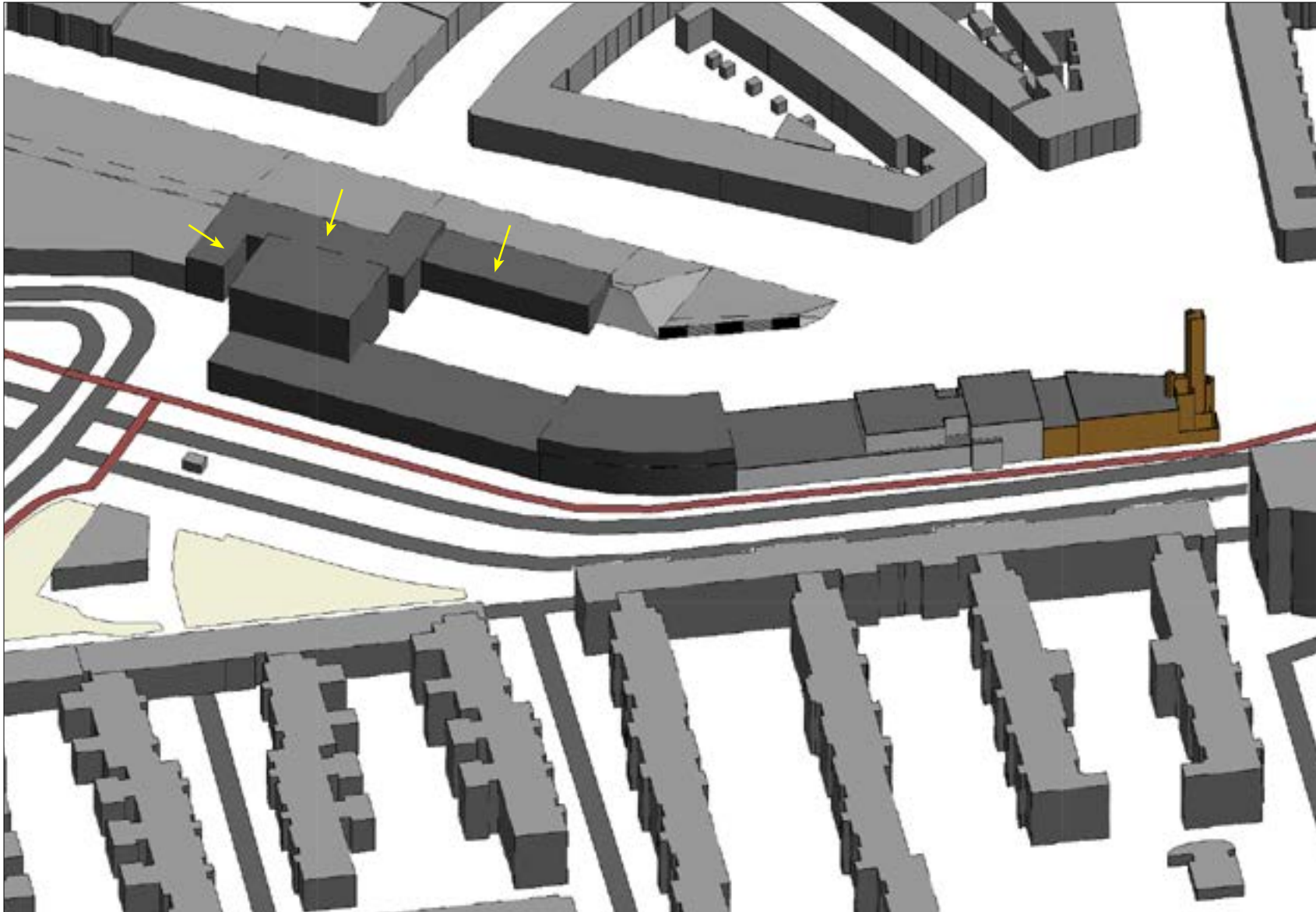
Building design
Existing situation



Building design
Extension of existing building



Building design
Raising building elements

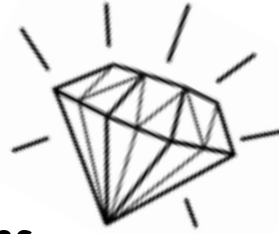


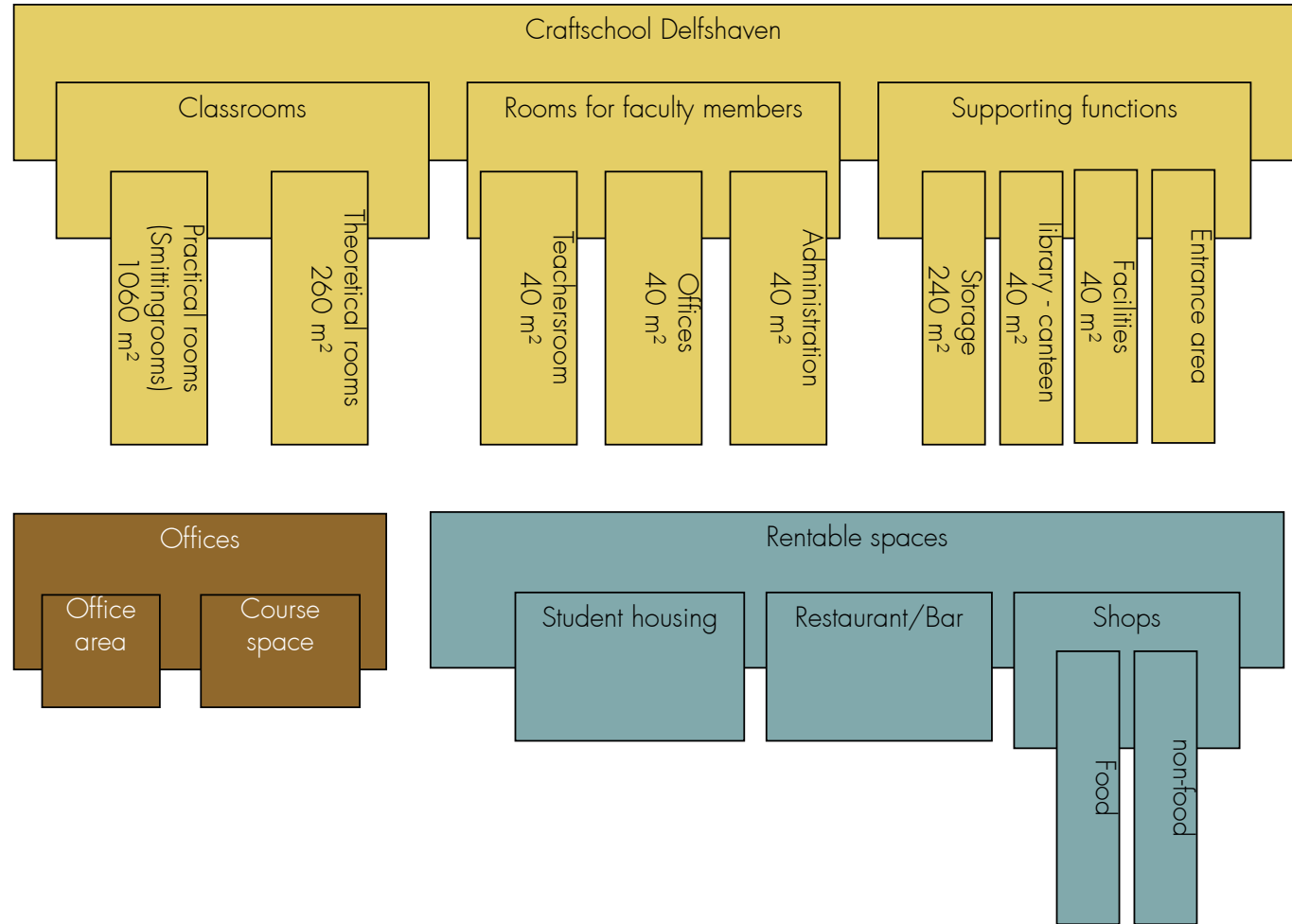
Building design
Enclosed building

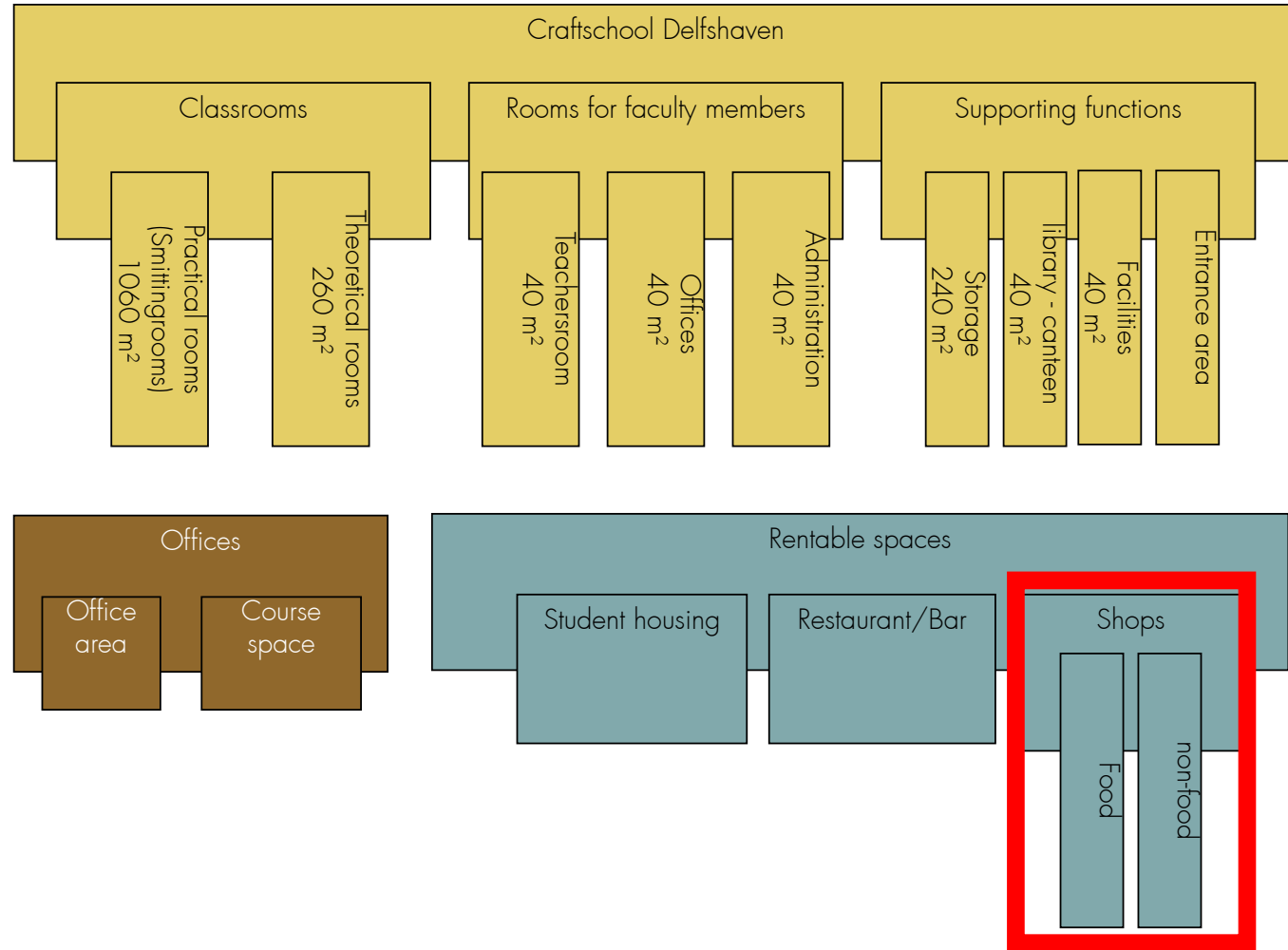


Building design
Entrance areas

Functions

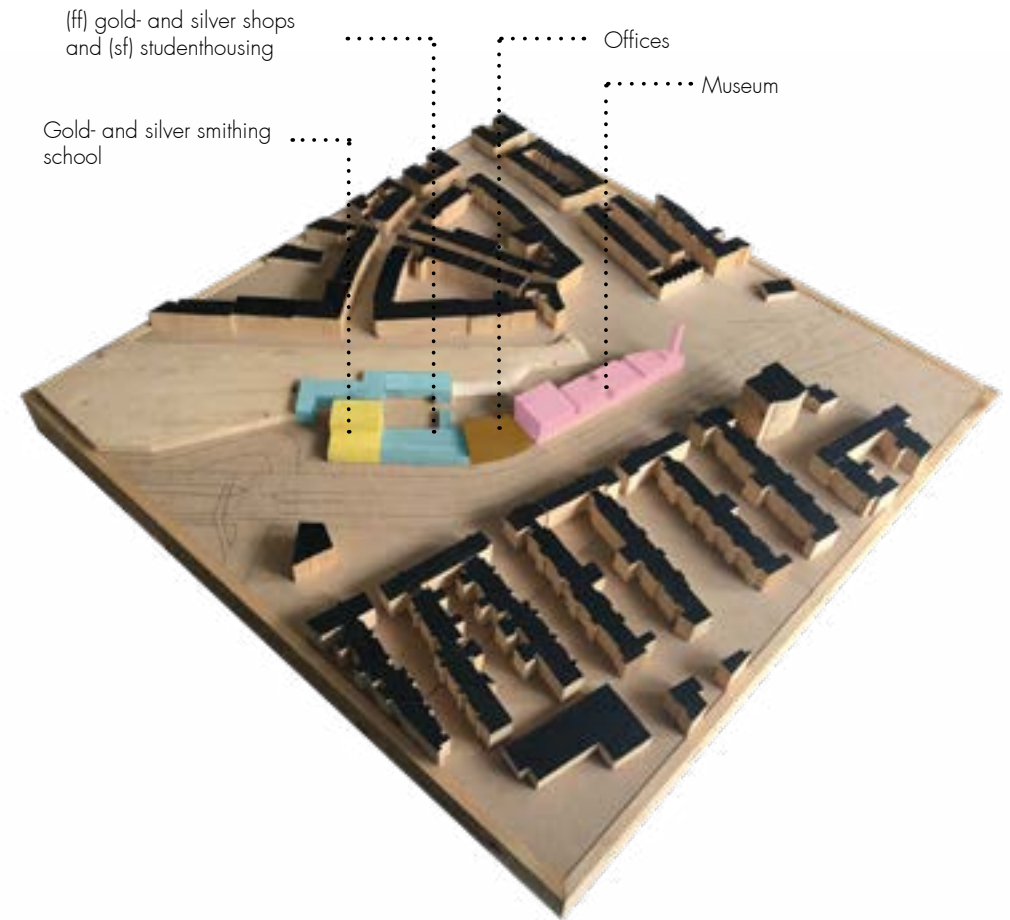


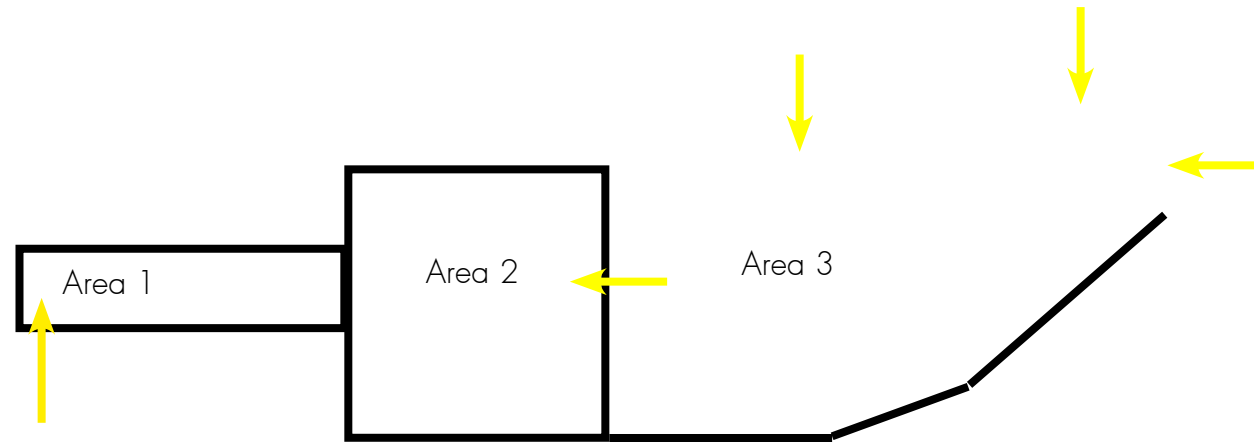






1:500 schale model (80 x 80 cm)





Passage - shoppingstreet:

A (covered) connection between two places, often designed as a shopping arcade and only accessible to pedestrians.

Small courtyard (50 to 250 m²) is a paved courtyard or alleys

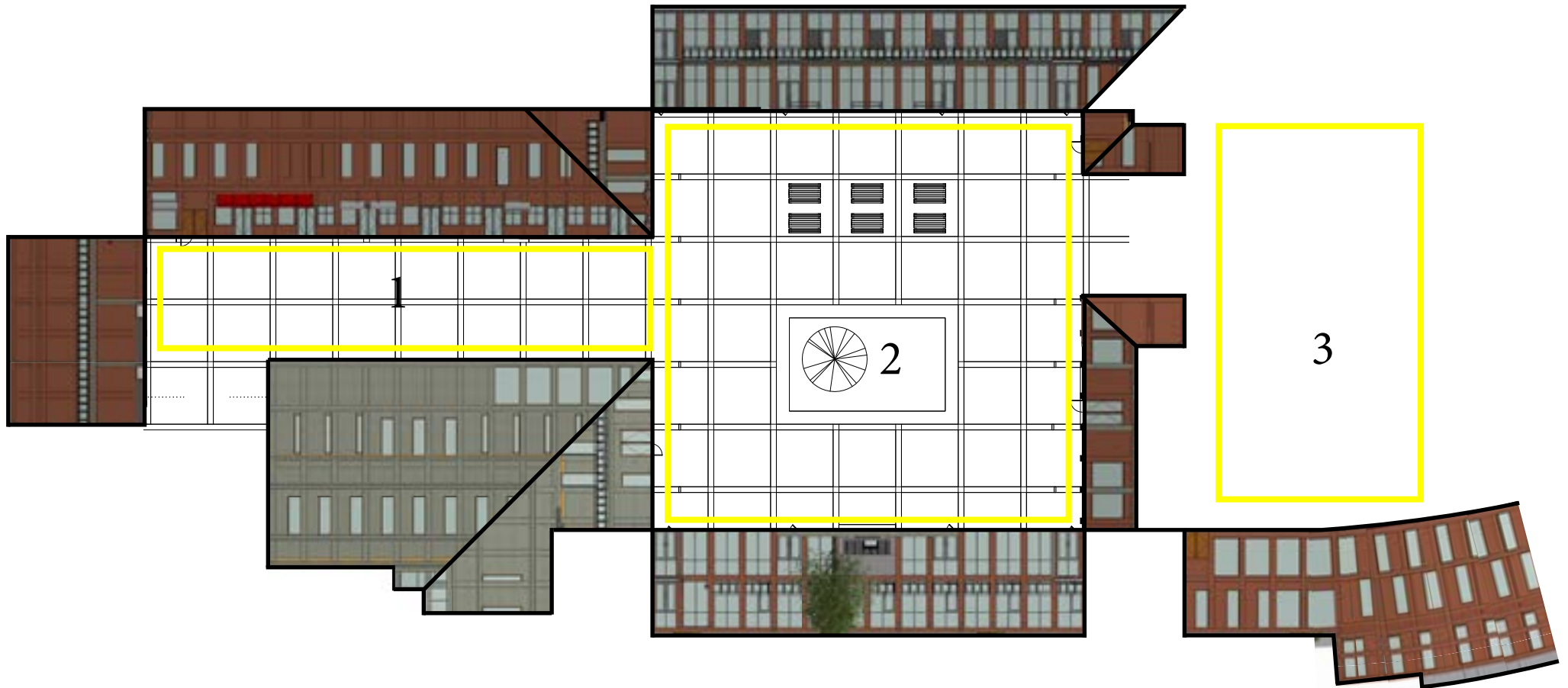
Gildehof - residential area:

Limited space; where, for example, flowers, herbs, shrubs or trees could grow.

In medium-sized courtyards (500 to 1000 m²), the courtyard is a garden.

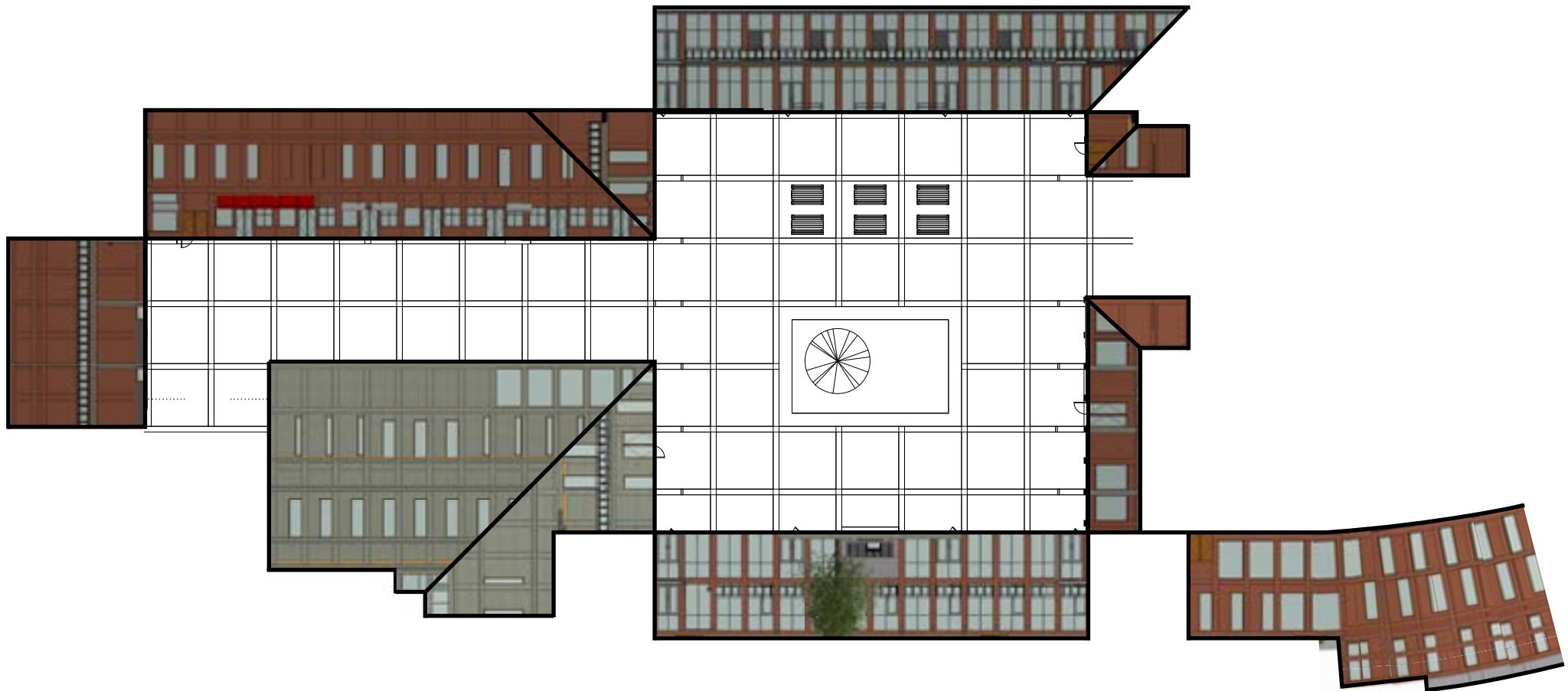
Common square:

A square is an undeveloped space surrounded by buildings and is part of the street network of a city or village.



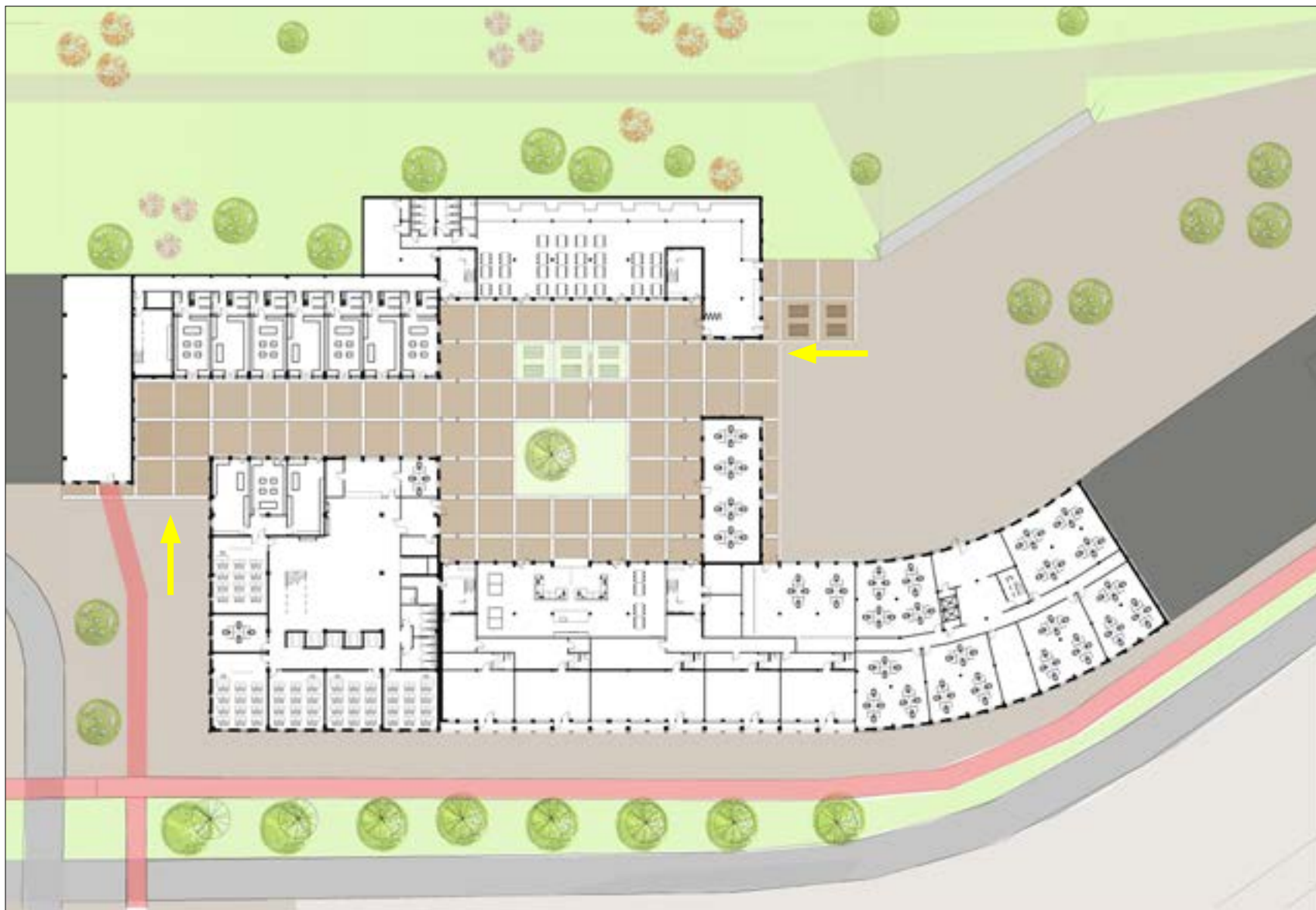
The three squares

Shopping street (1) - 'Gildehof'(2) - public area (3).



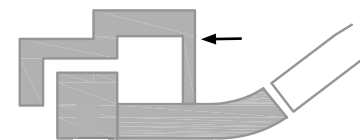
The three squares

Shopping street (1) - 'Gildehof'(2) -
public area (3).

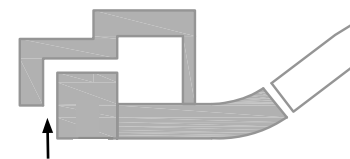


Ground floor

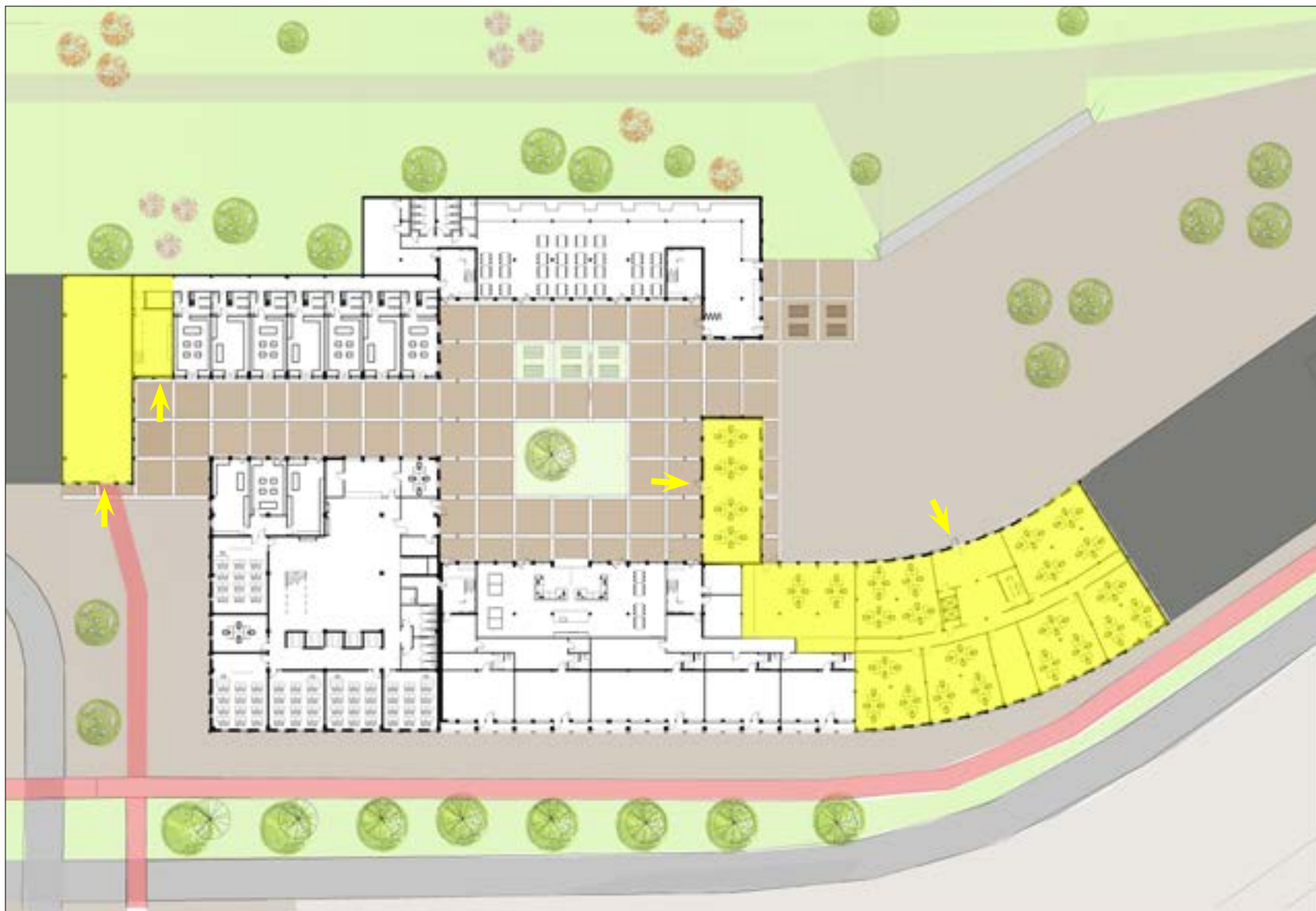
Total area with surrounding



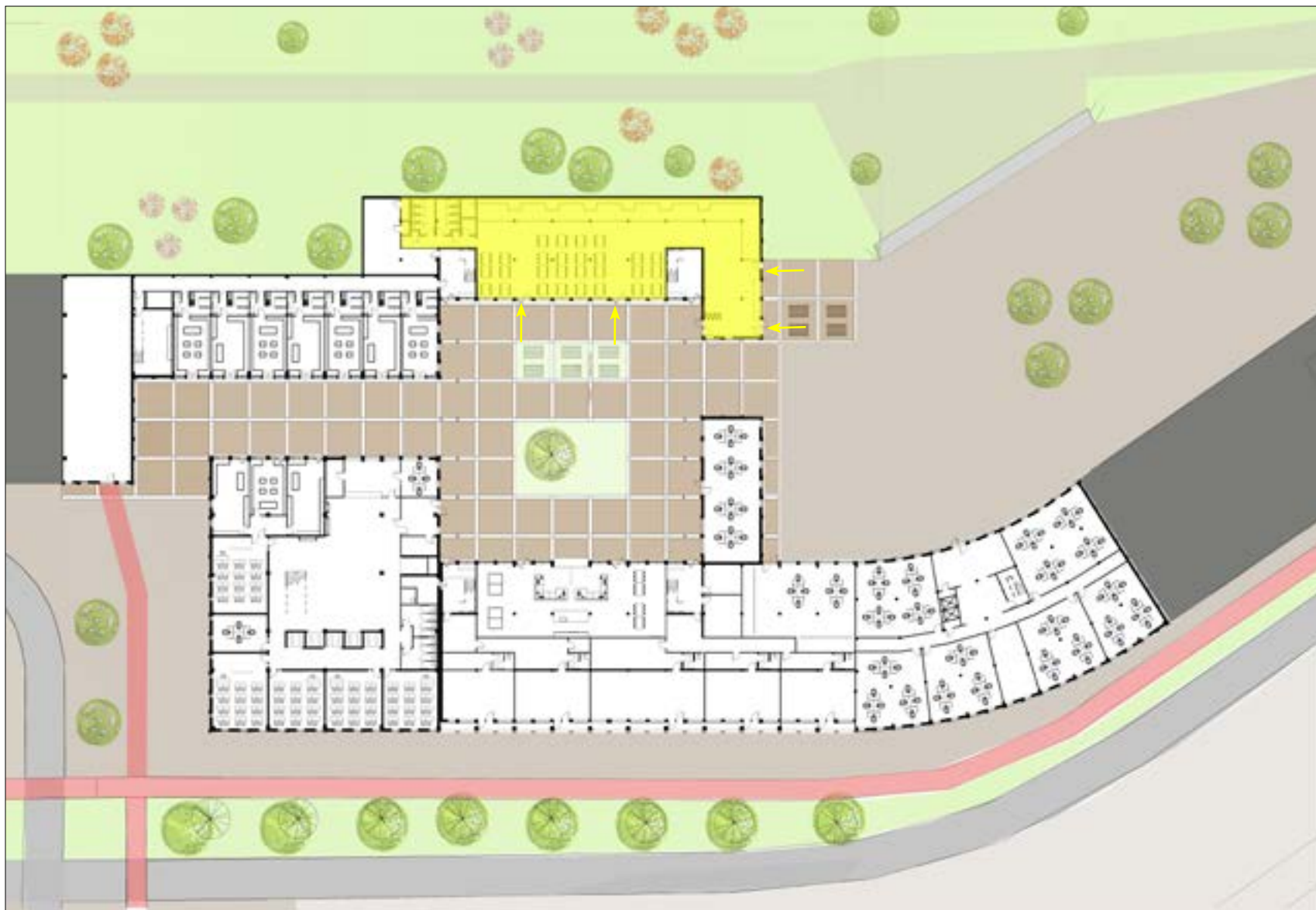
Entrance area 1
Bar and entrance 'gildehof'



Entrance area 2
Bike storage and shopping area

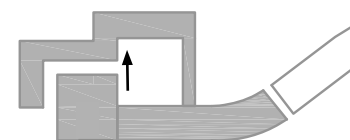


Ground floor
Offices highlighted

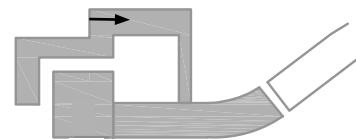


Ground floor

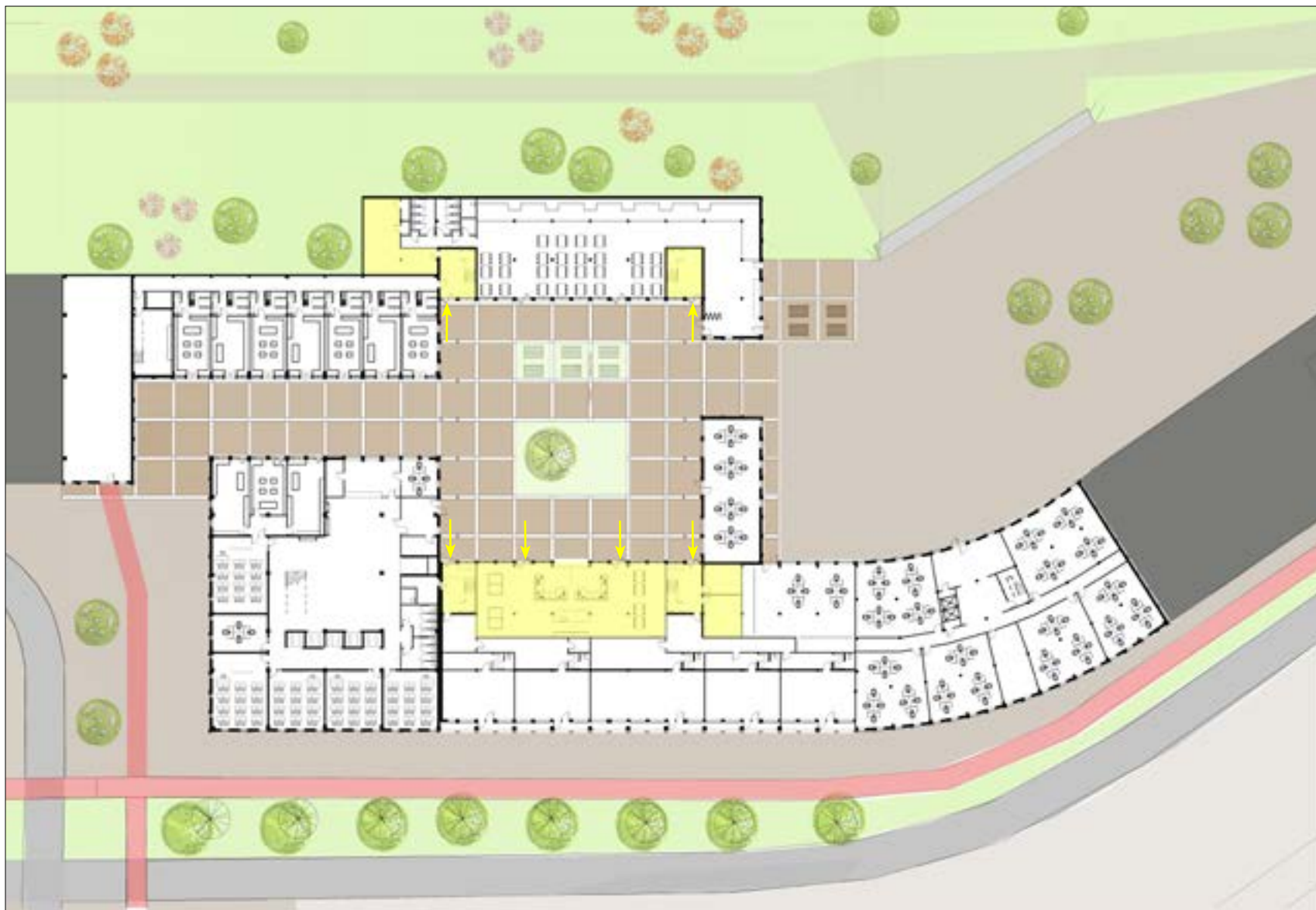
Restaurant/Bar highlighted



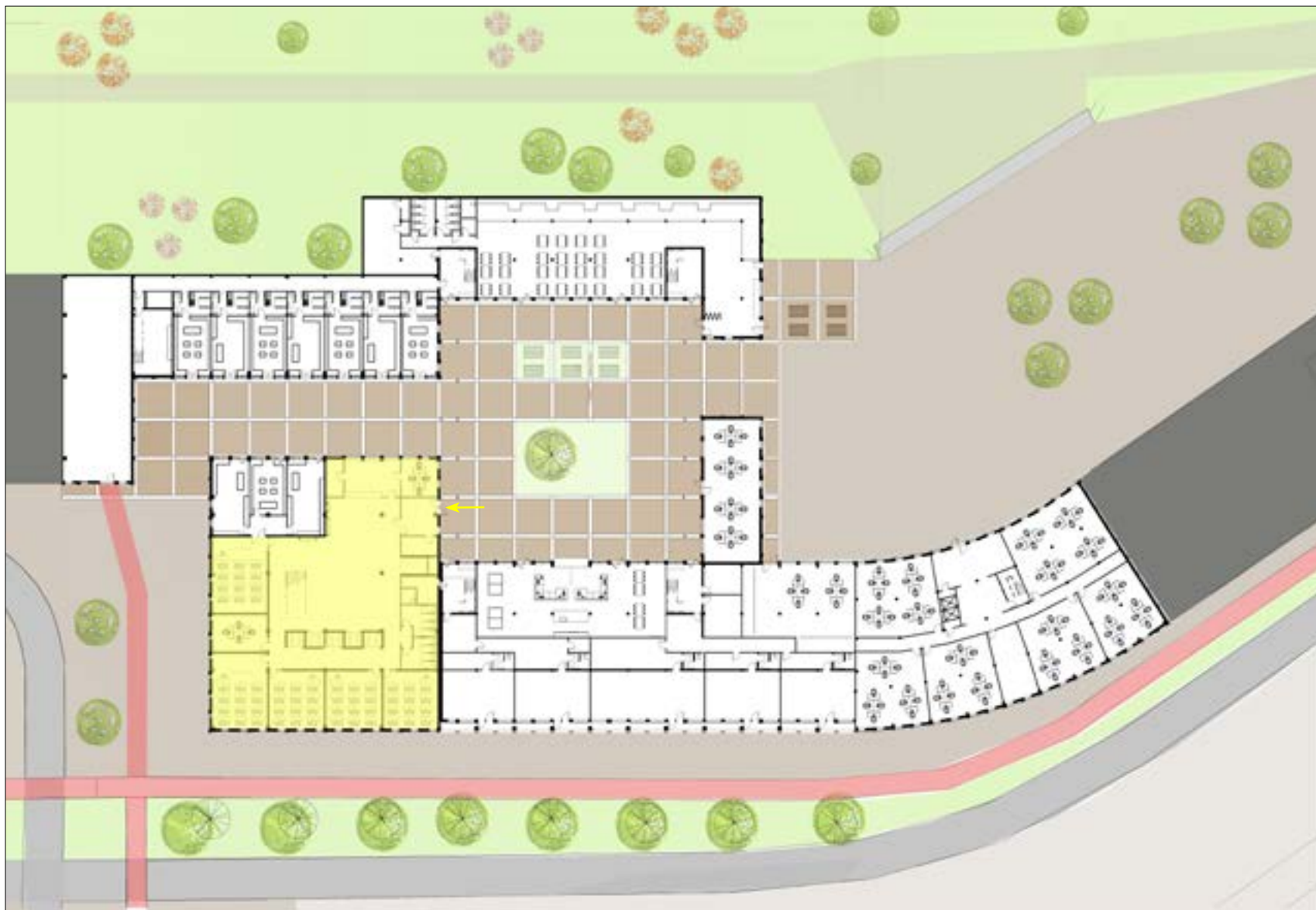
Gildehof
Restaurant and entrance student housing



Restaurant
Facility for students and visitors

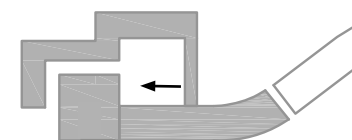


Ground floor
Student housing highlighted

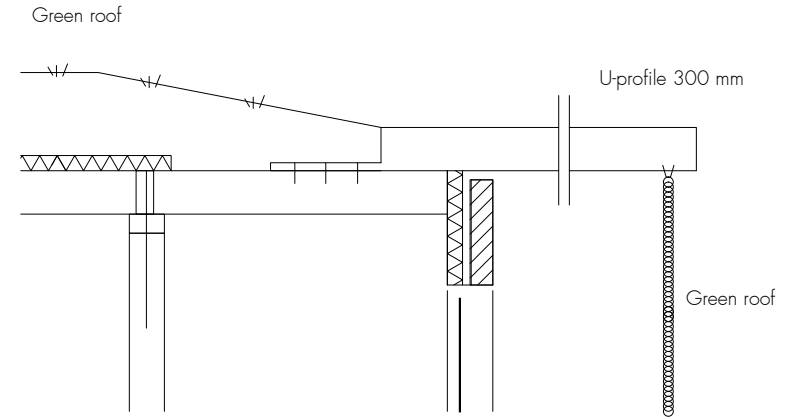


Ground floor

Gold- and Silversmithing school highlighted

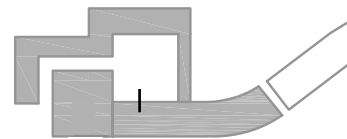


Gildehof
Entrance to the school



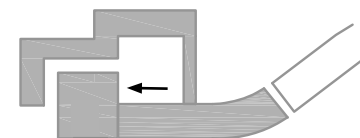
Details

Rainwater drainage

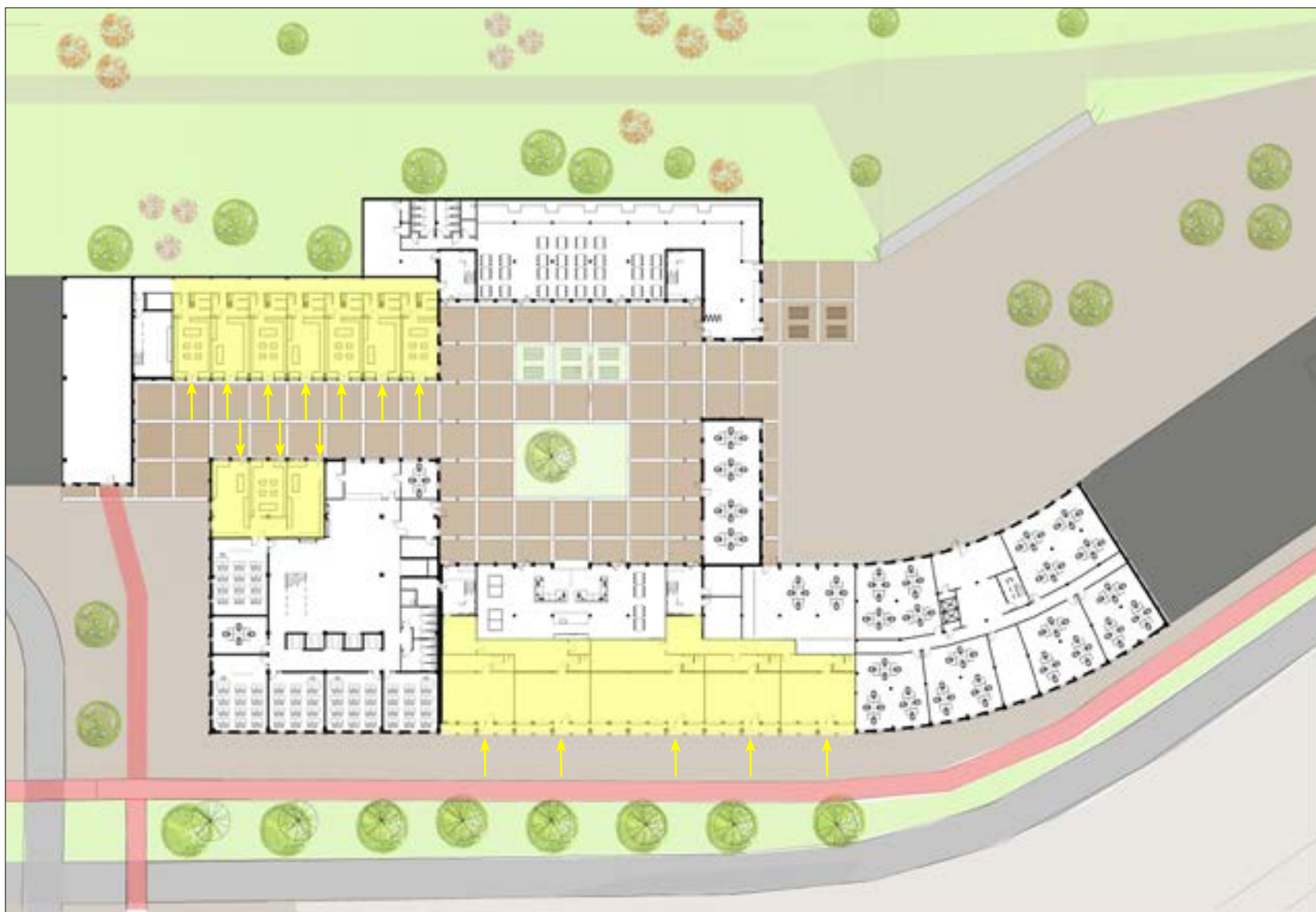


Biodiversity

Rainwater drainage



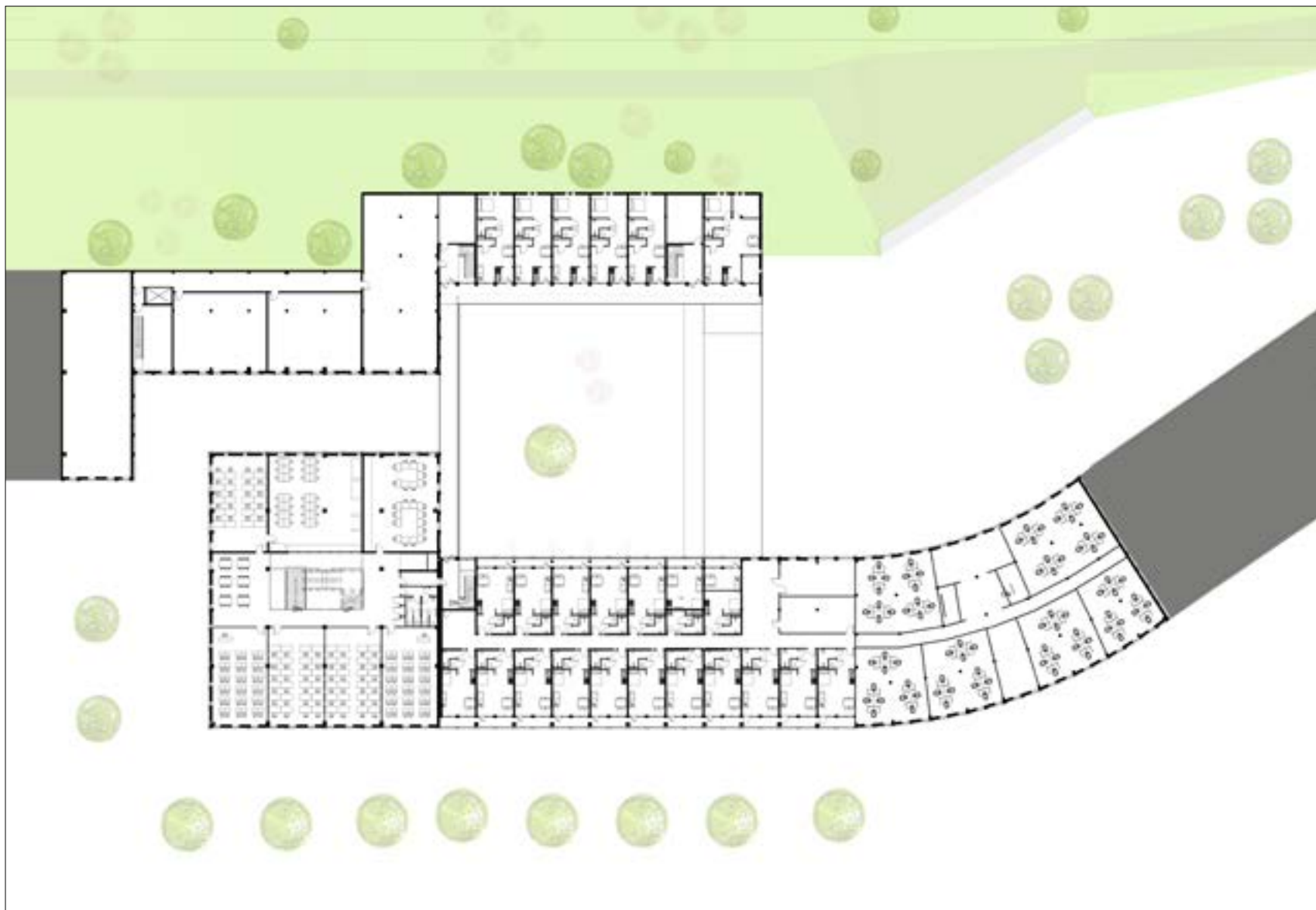
Reception area
Atrium and shop window



Ground floor
Shops highlighted

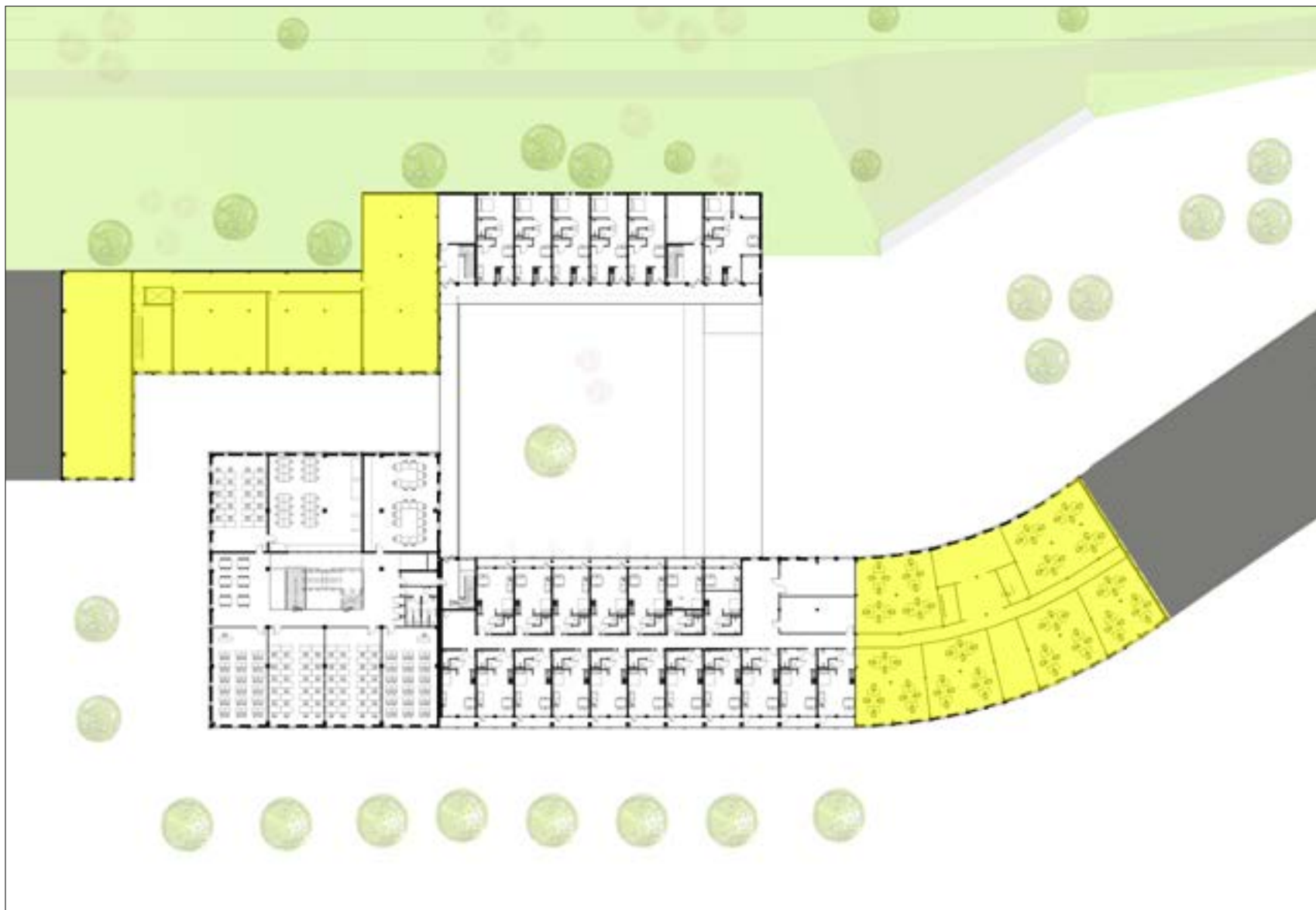


Shopping street
Jewelry shops and school building



First floor

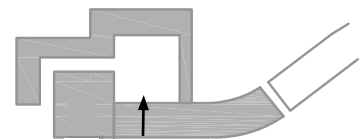
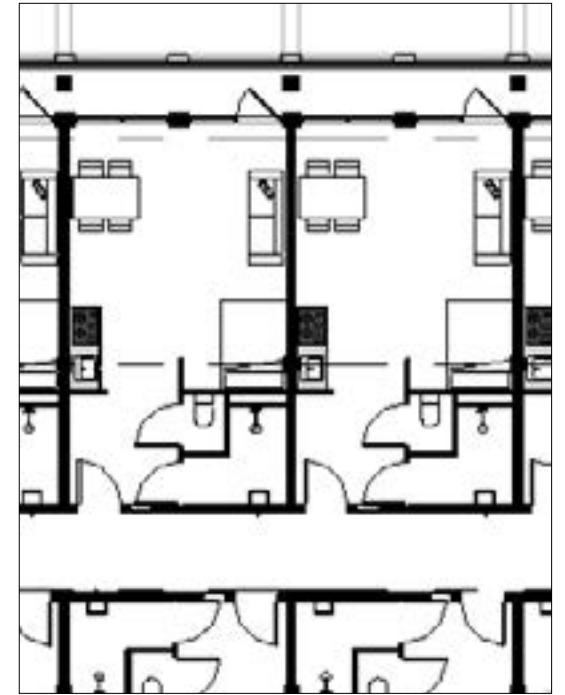
Three different functions



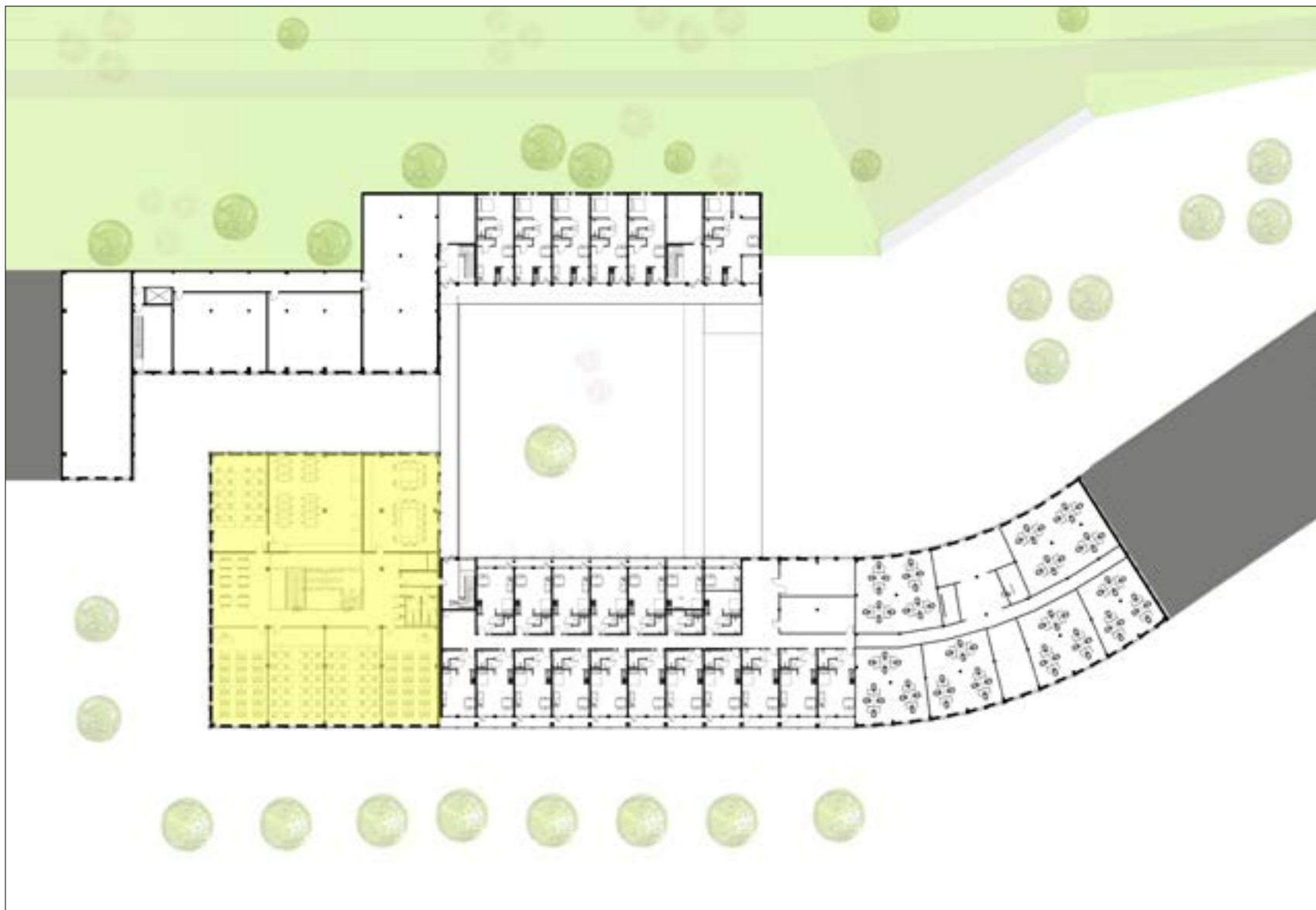

First floor
Offices



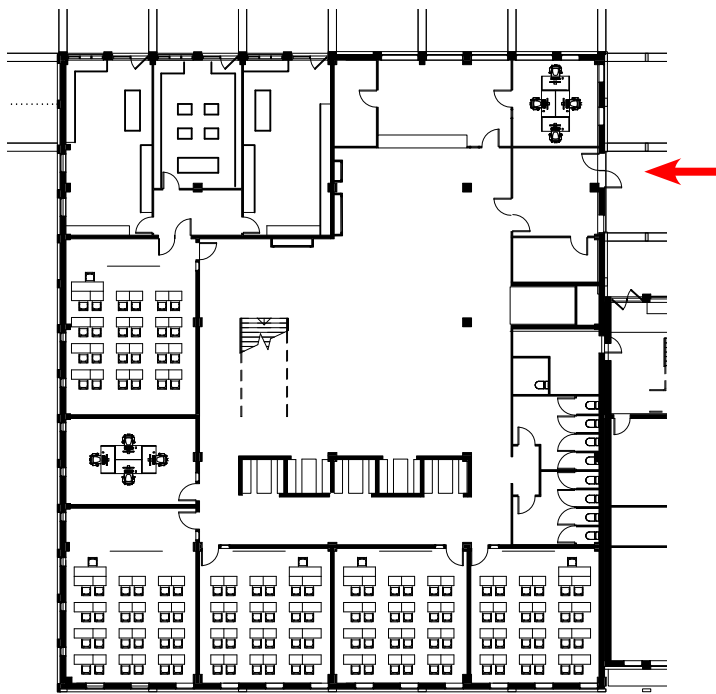
First floor
Student housing



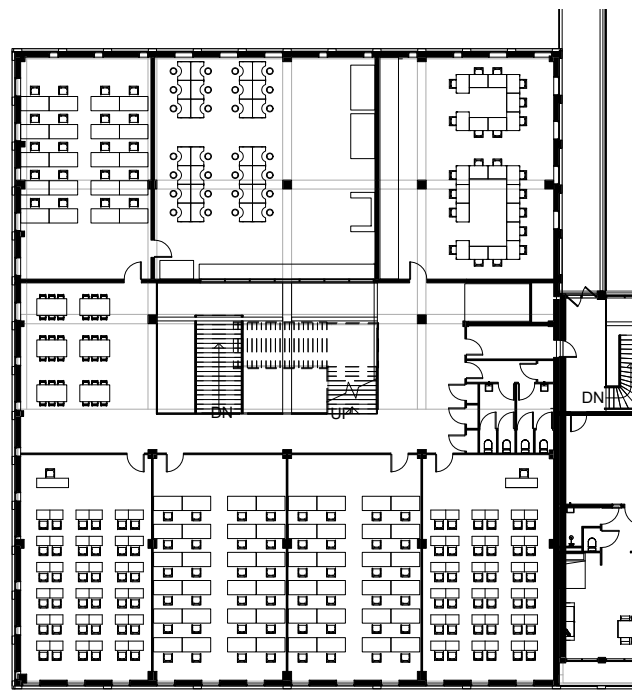
Student housing
View on gildehof



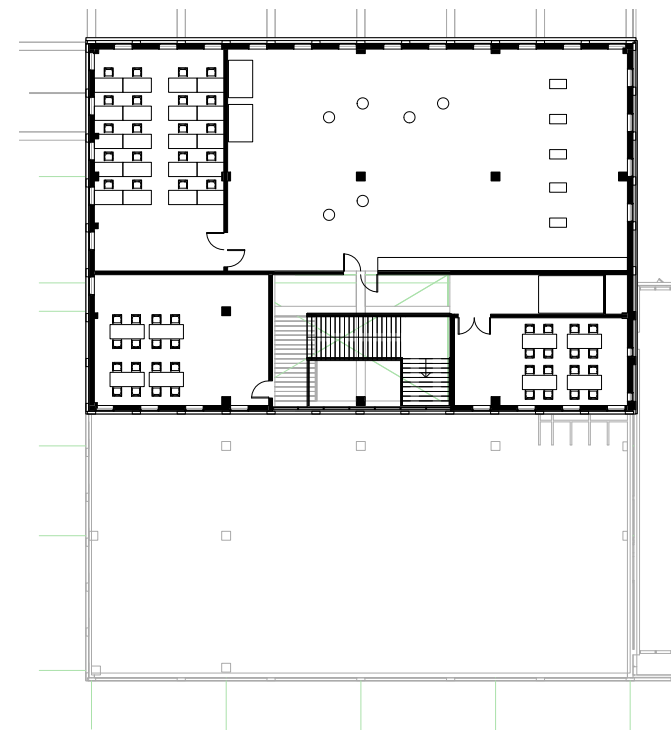
First floor
Gold- and silversmithing school



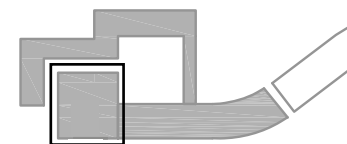
Ground floor



First floor



Second floor



Student housing
View on Gildehof

Theory space and practice space close together. This allows a combination of activities to take place during class.



Ceiling lighting and additional lighting at the workplace

several tables for six people



Storage

Relatively wide tables. This makes it easy to put tools down

each student has their own (personal) tools



Small theoretical space and larger practice space to functionally organize lessons

The silver is beaten in shape. This causes a lot of noise

large tools in the center of the room



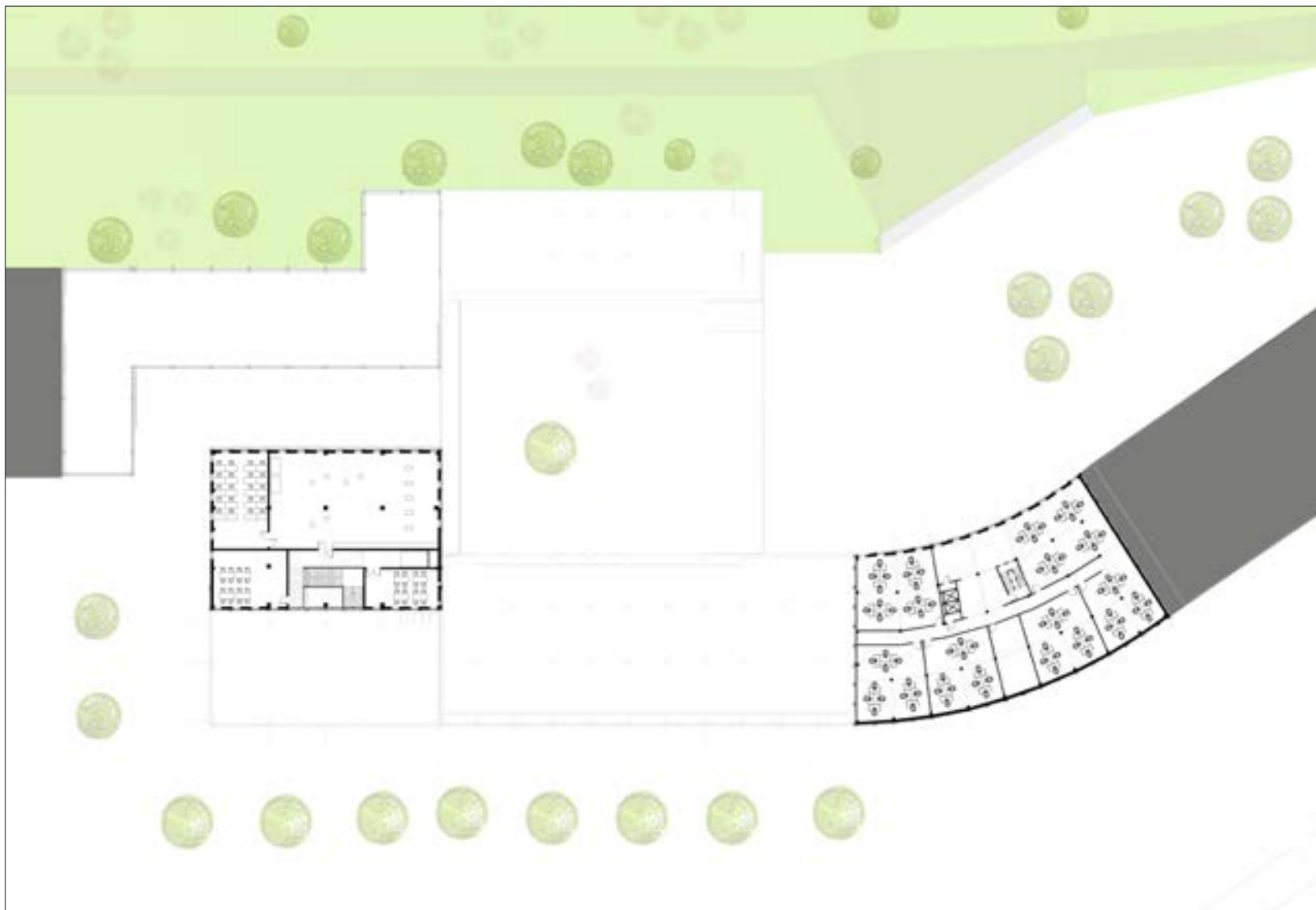
Storage on the wall

Students have small personal tools

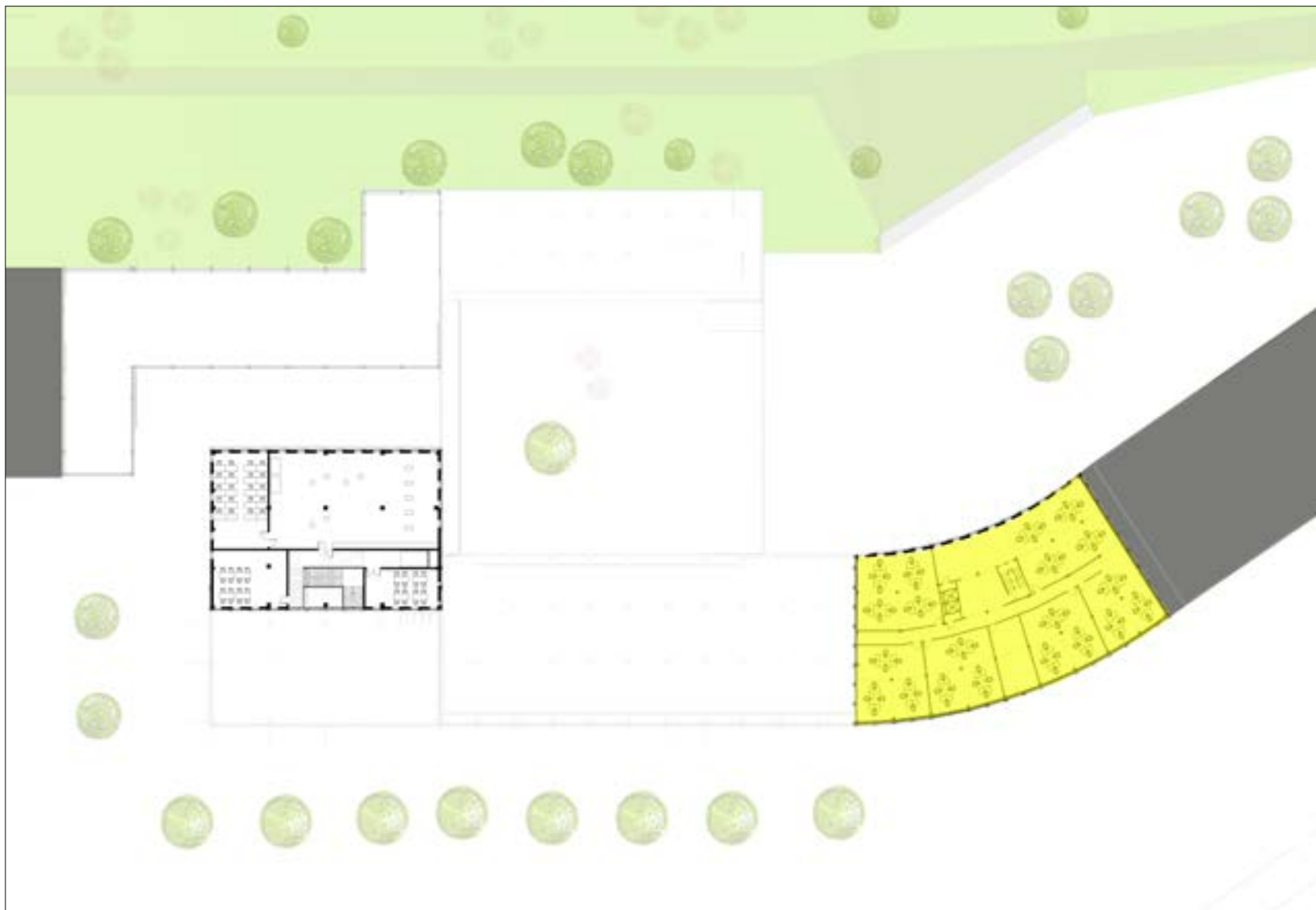




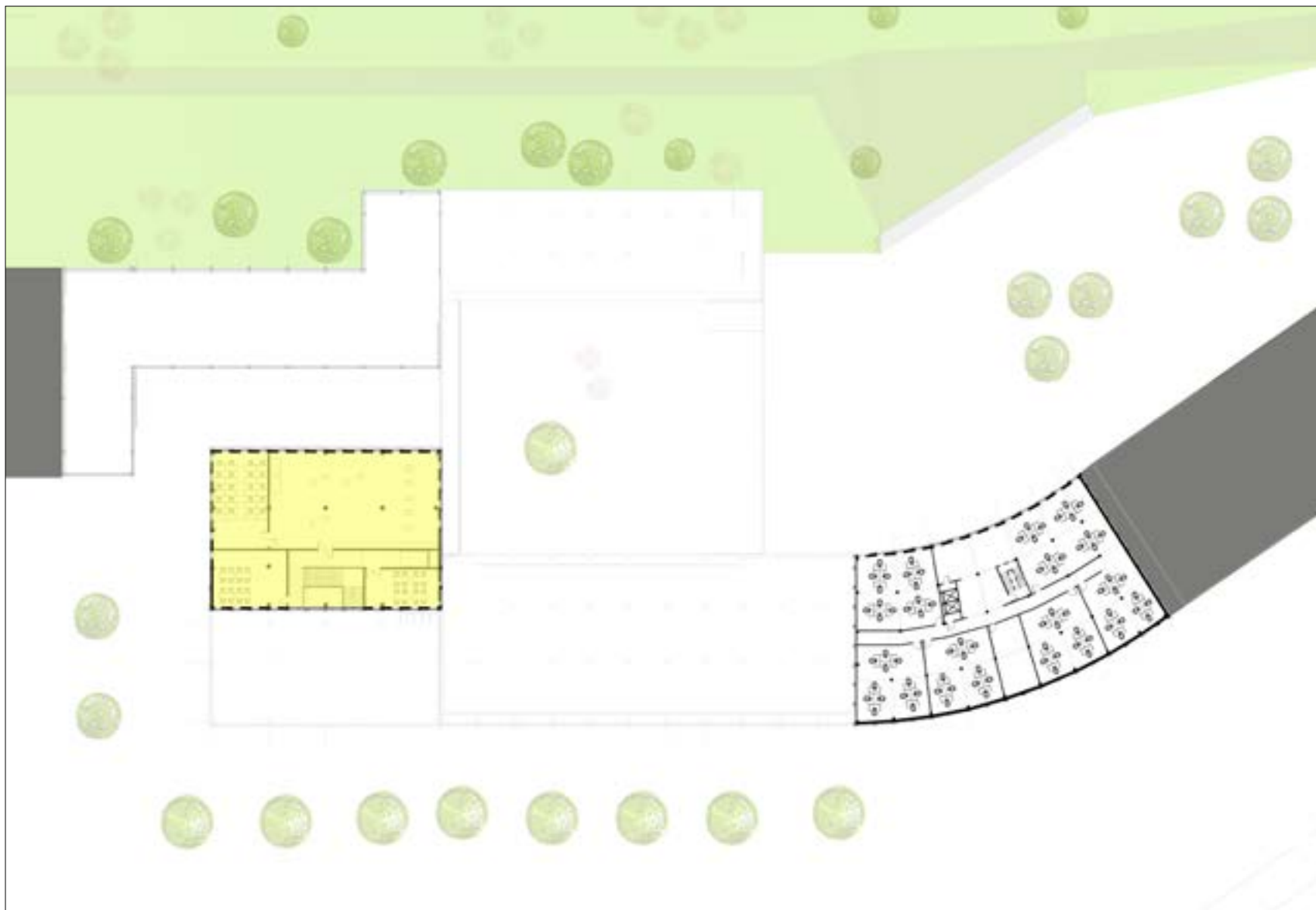
Practice room
Goldsmithing area



Second floor
Total area

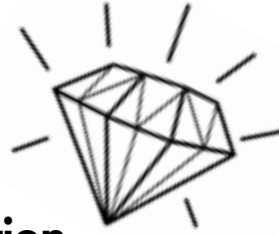



Second floor
Offices



Second floor
Gold and silversmithing school

Construction





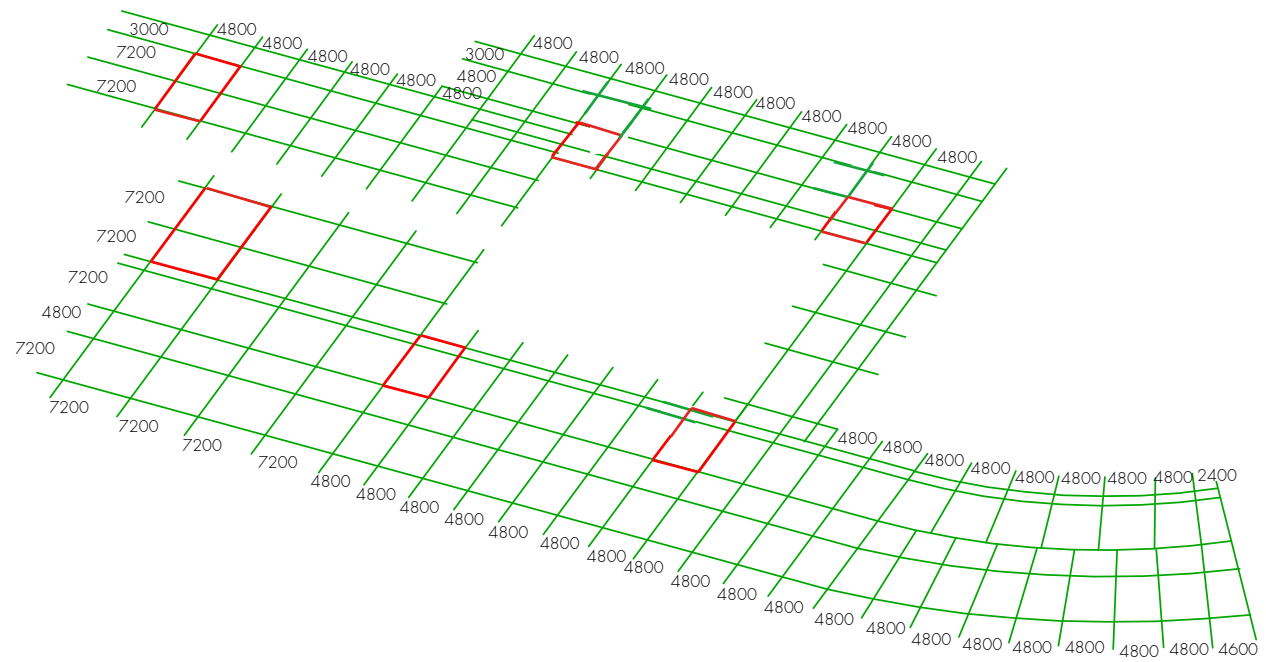
Invisible wood construction

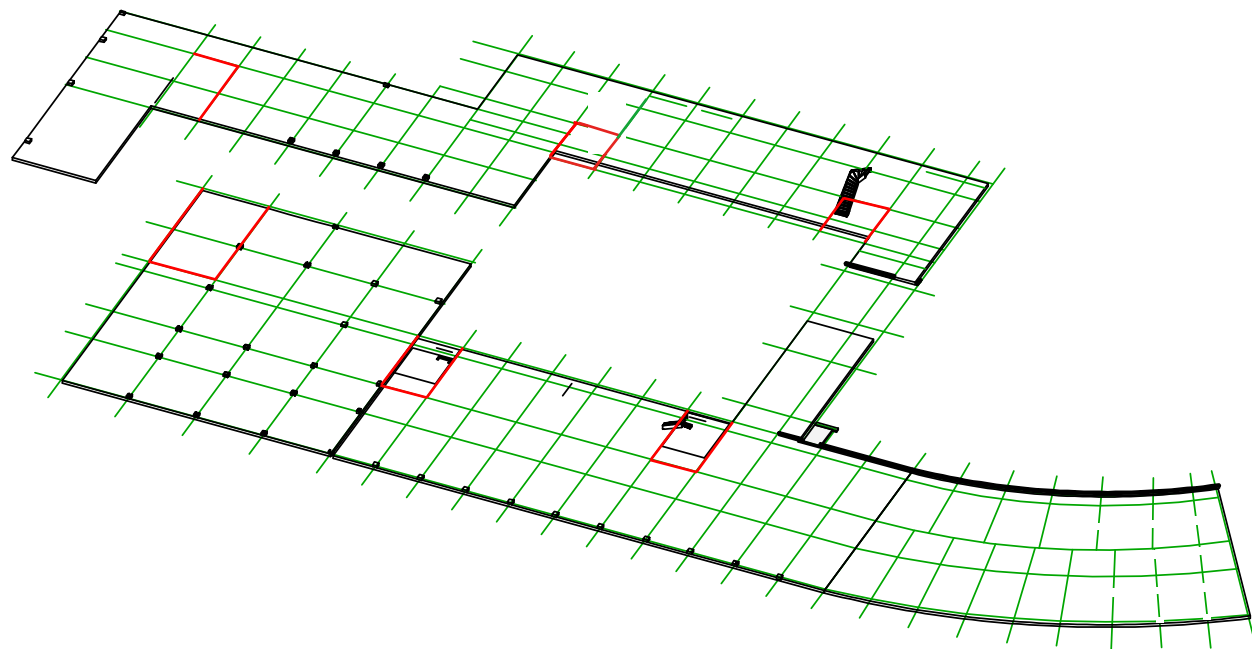


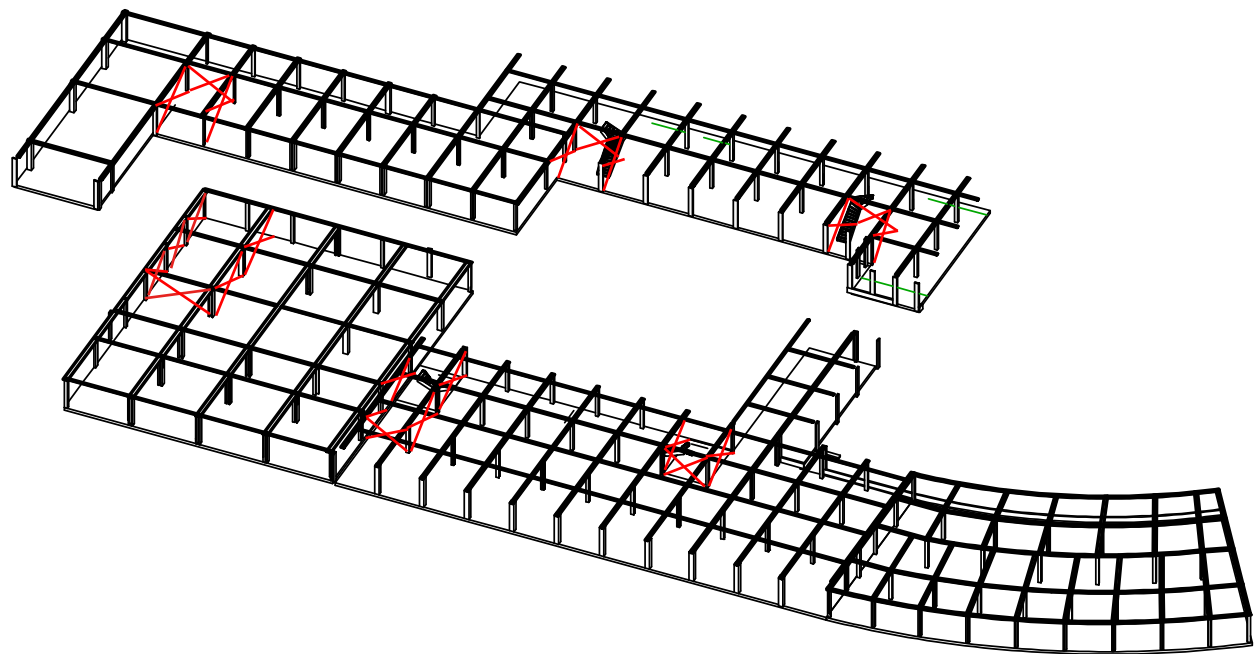
Lignatur

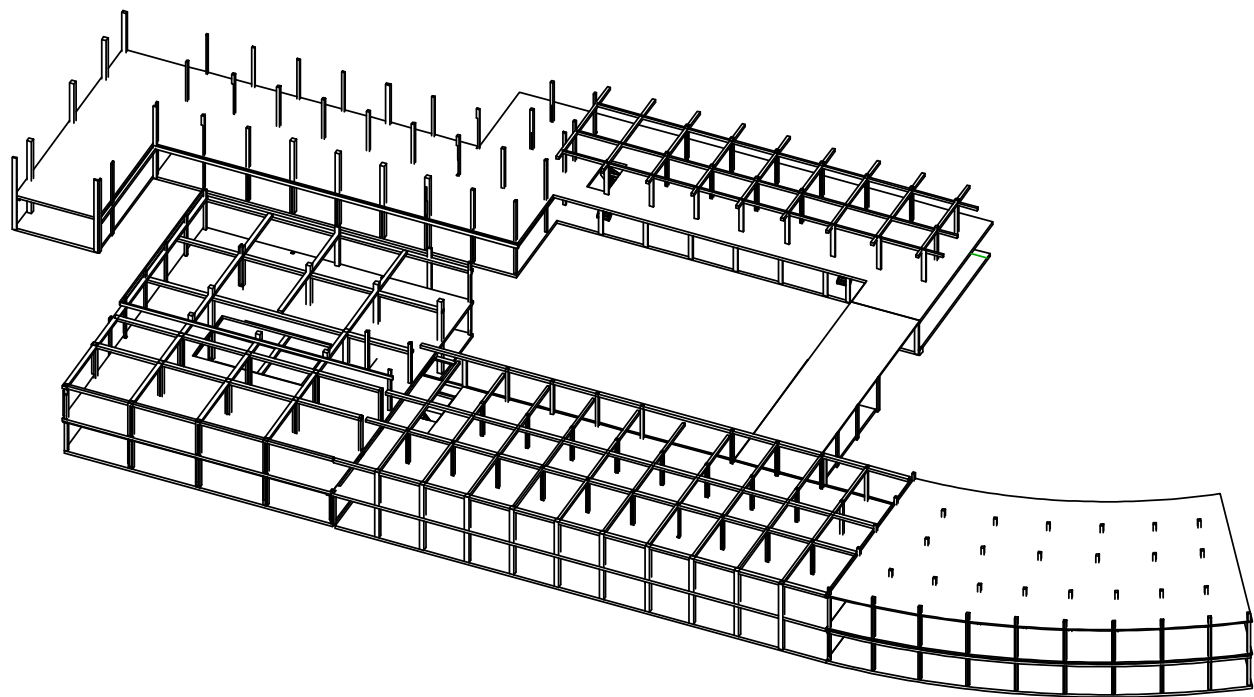


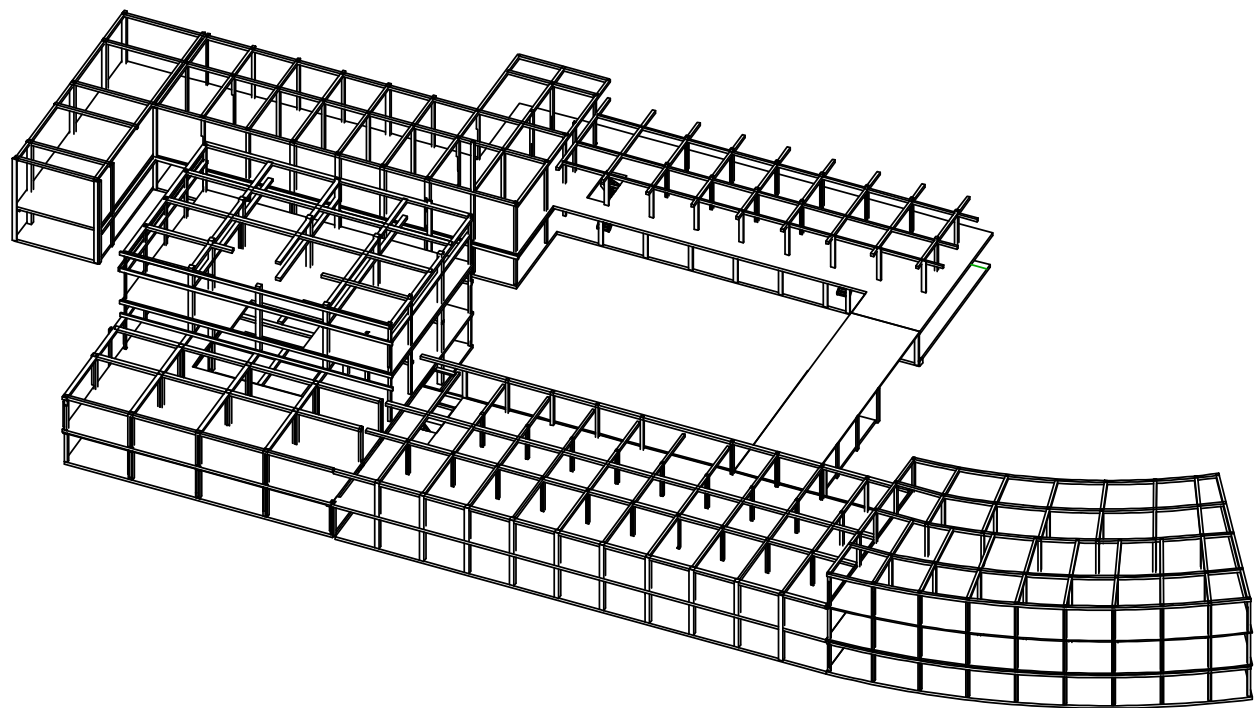
CLT floor

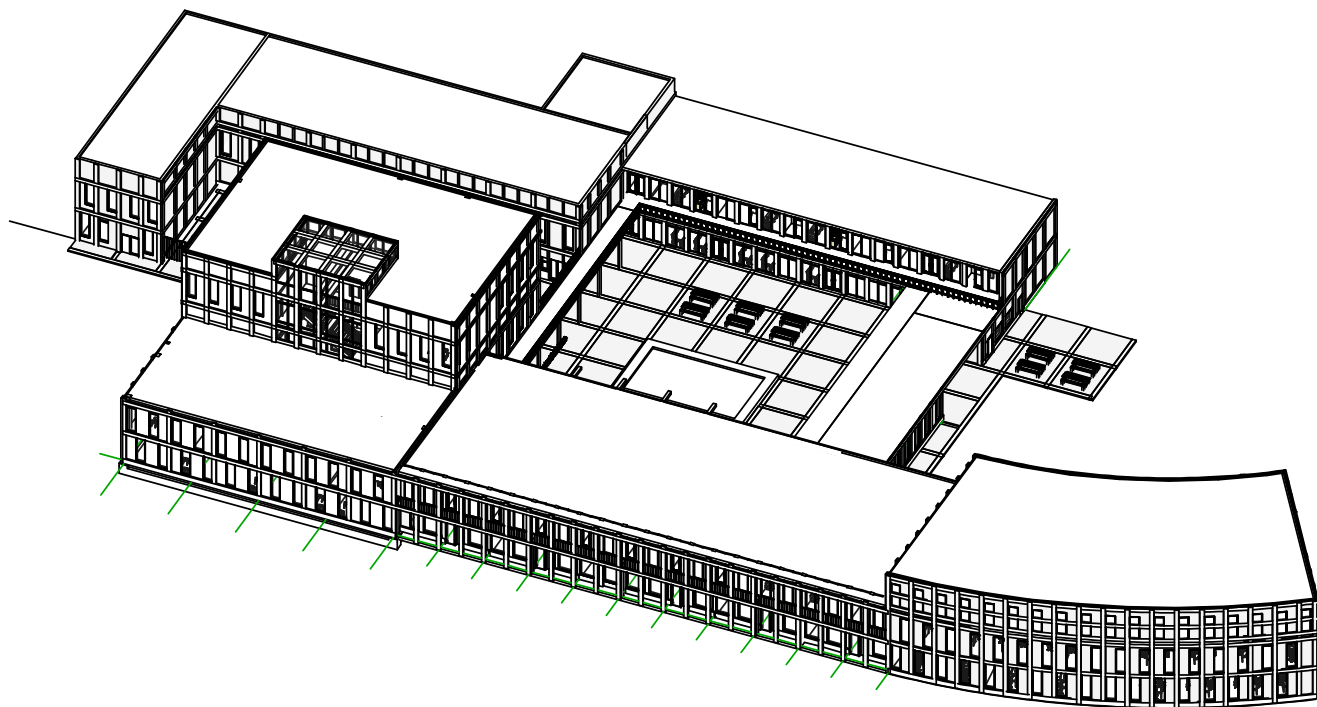


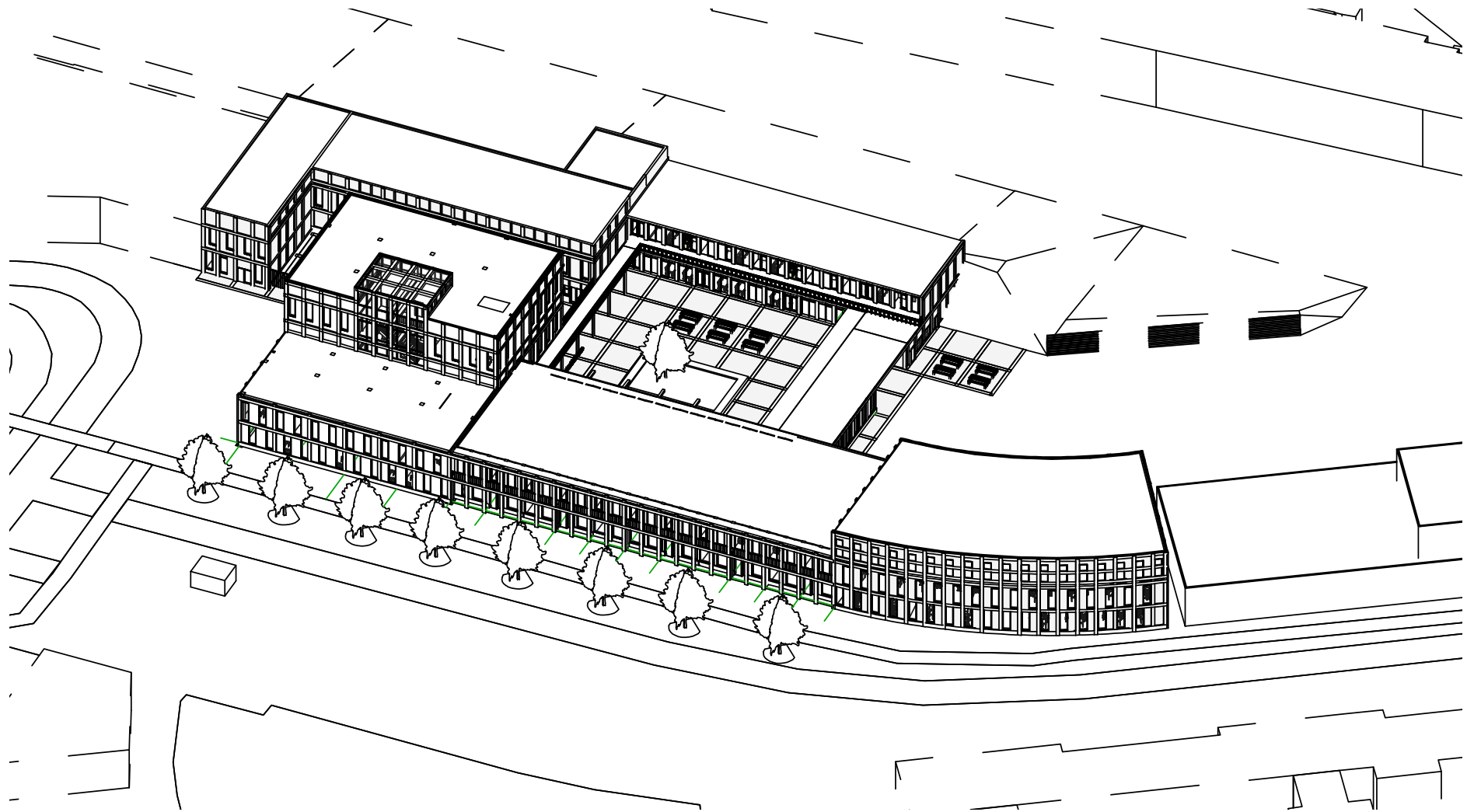


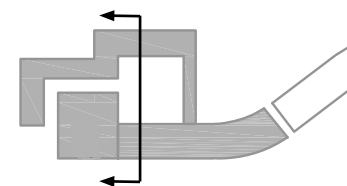




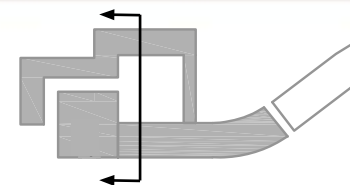




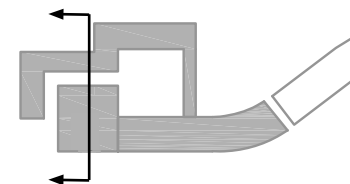




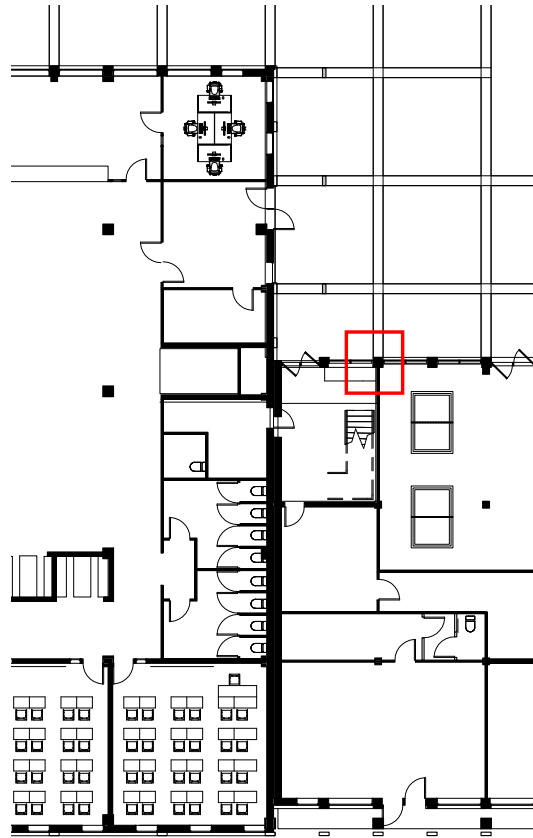
Second Floor
Gold and silversmithing school



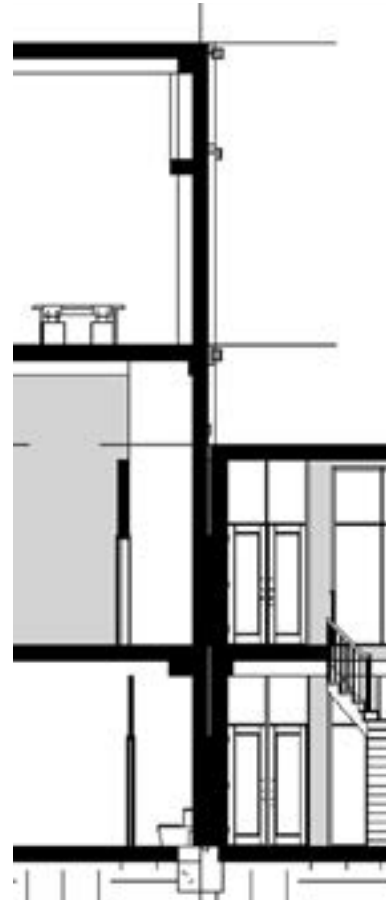
Section and facade
Student housing and school building₇₁



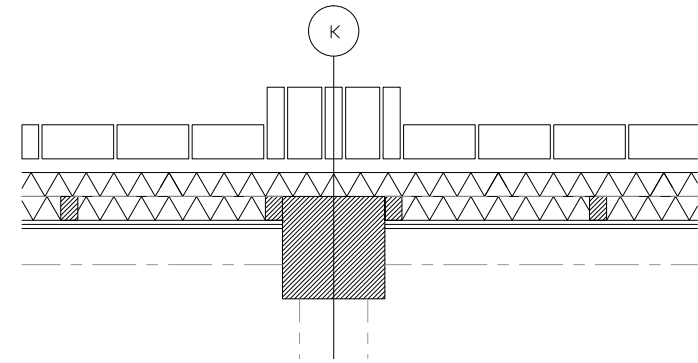
Section and facade
School building and office area



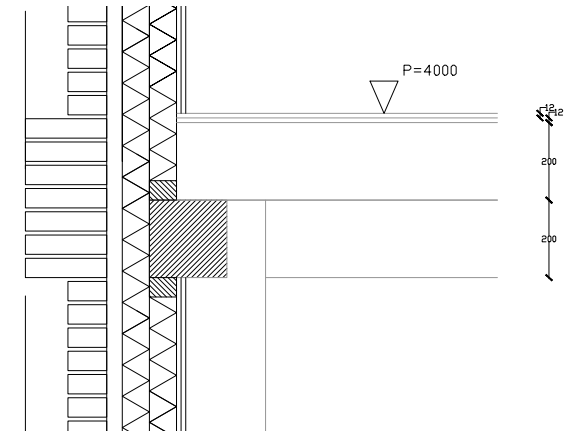
Floorplan



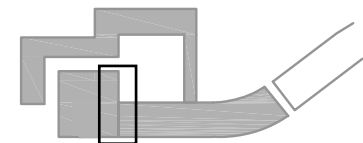
Transition of functions

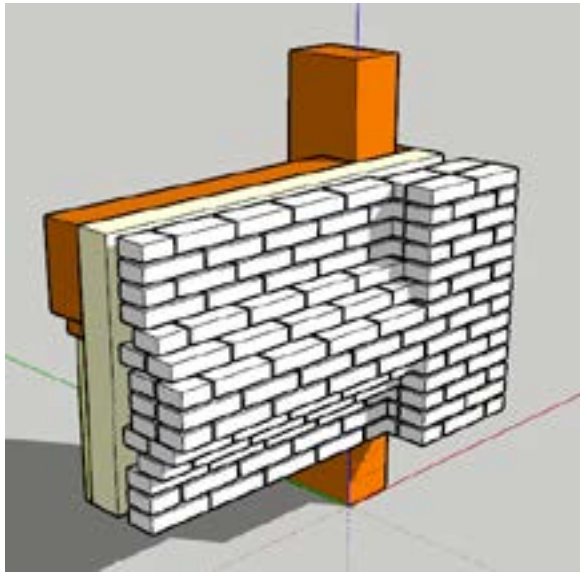


Horizontal detail

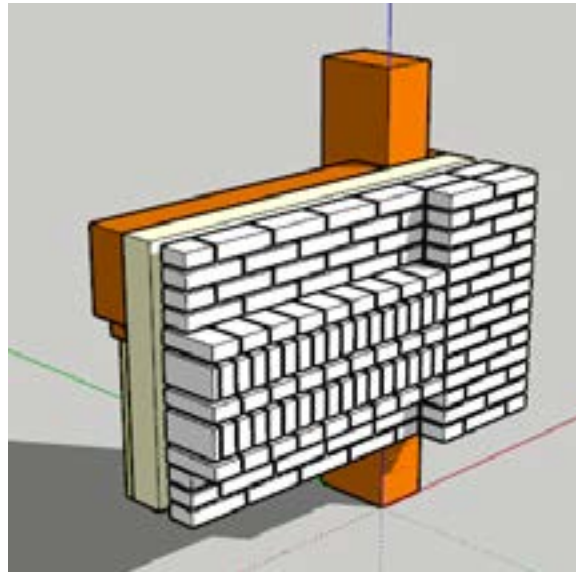


Vertical detail

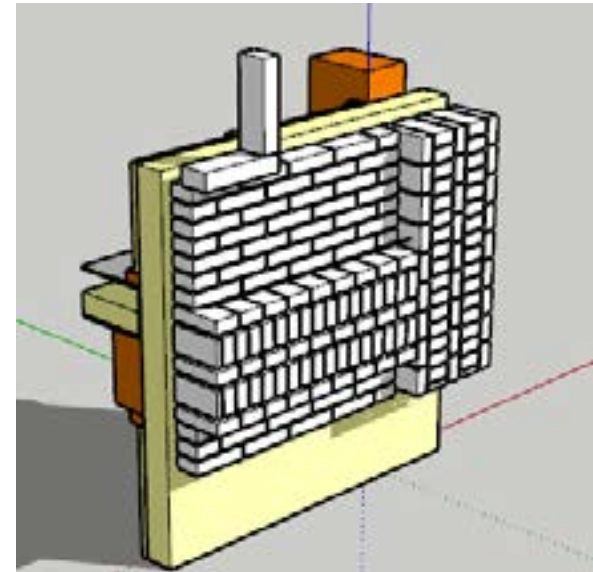




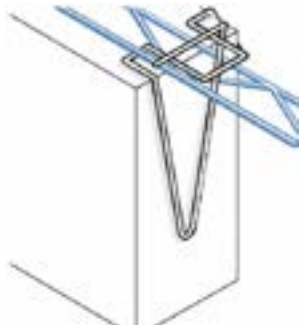
School detail



Restaurant detail



Shops detail



Murfer reinforcement



East facade



North facade

Facades - south and west

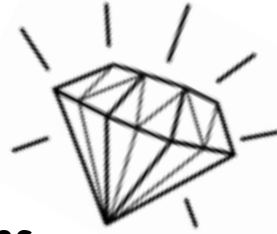


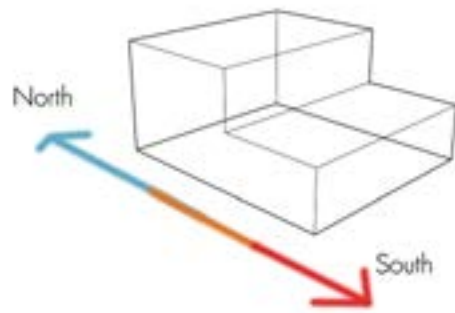
South facade



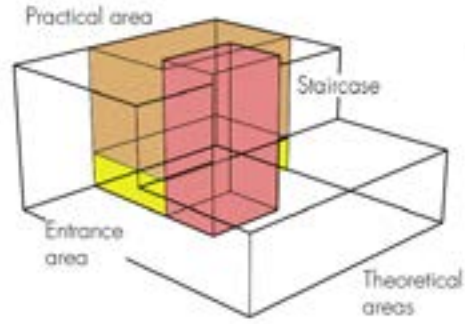
West facade

Functions

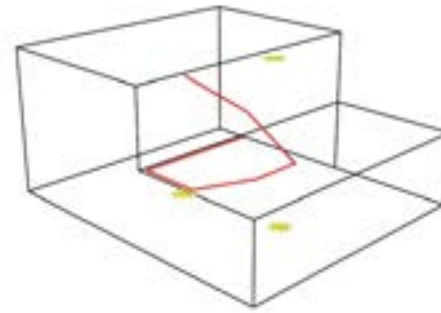




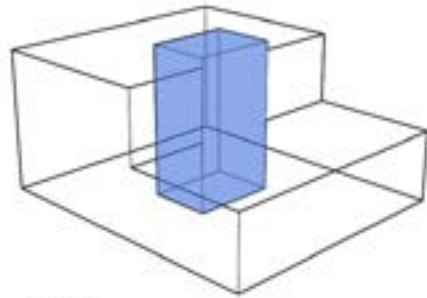
Orientation



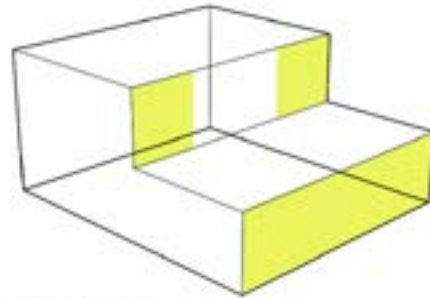
Zoning



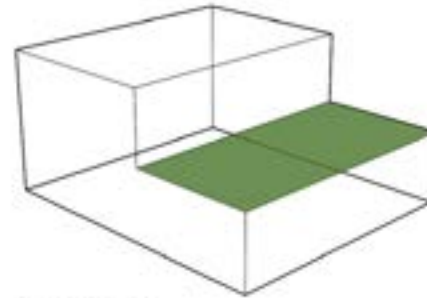
Circulation/split levels



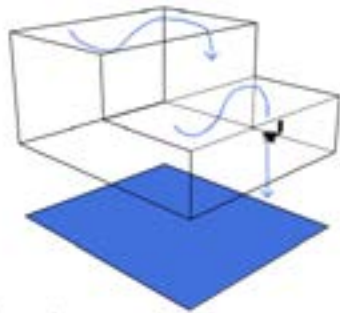
Atrium



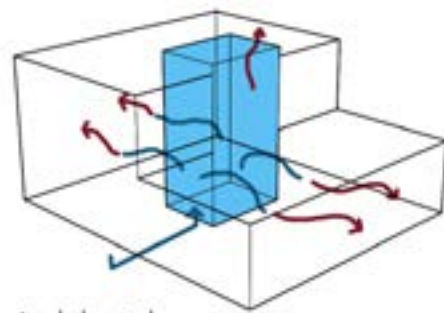
Trombe wall



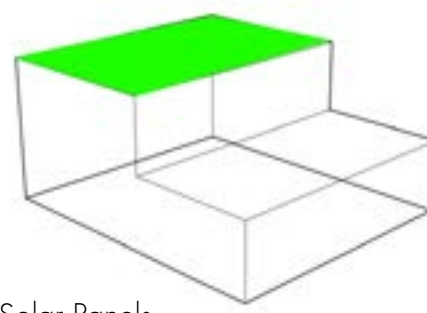
Green roof



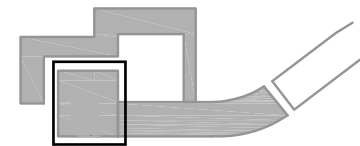
Rainwater



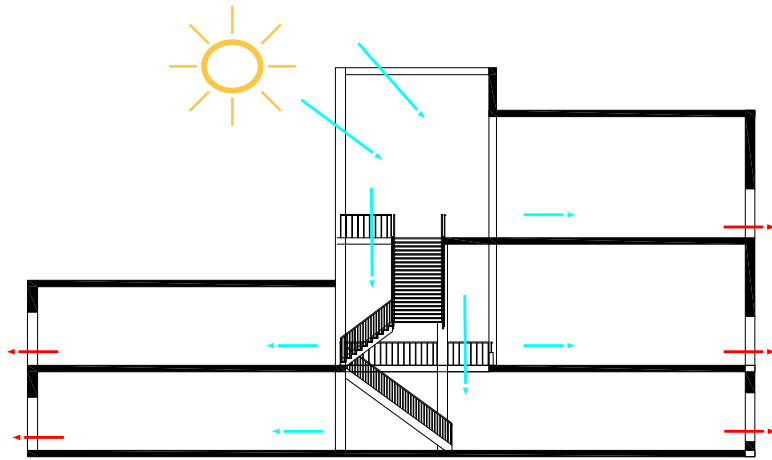
Air labyrinth



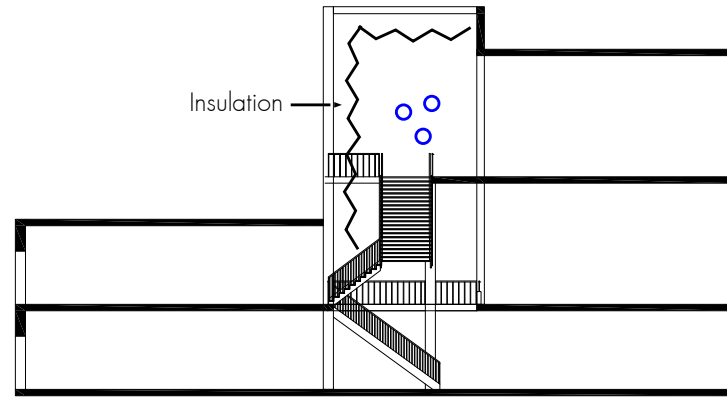
Solar Panels



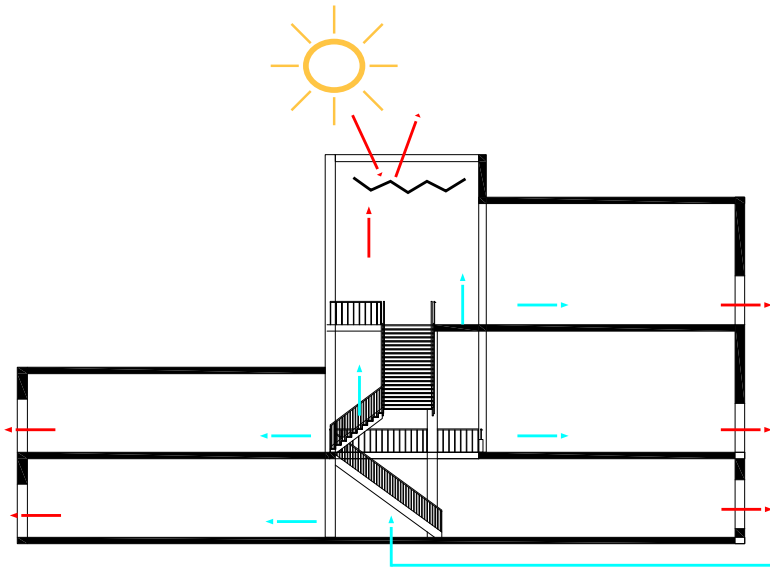
**Main elements of building
technology**
Overview



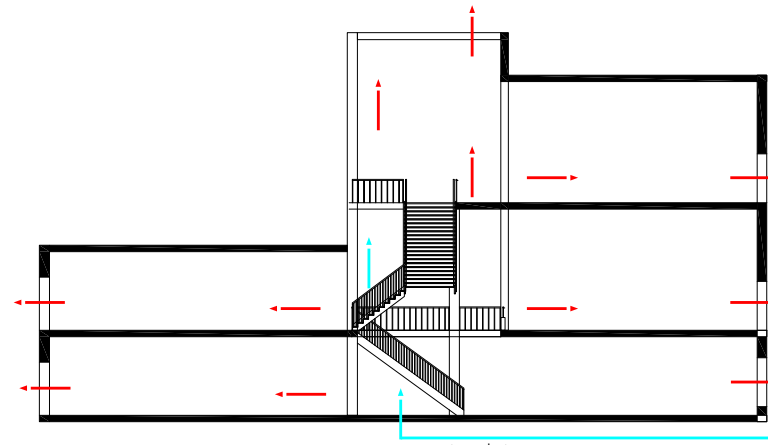
Winter (day)



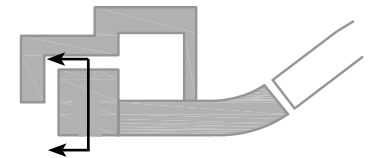
Winter (night)



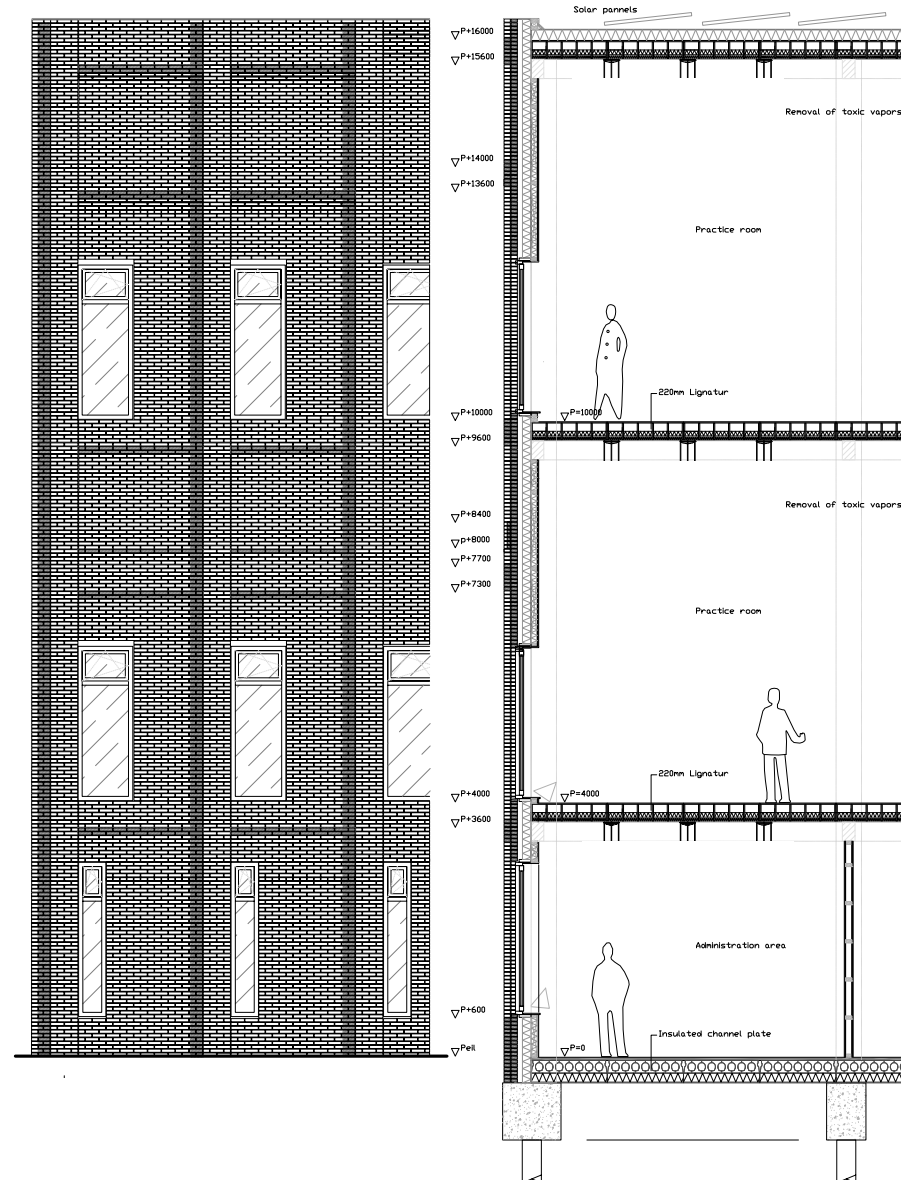
Summer (day)



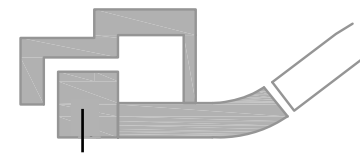
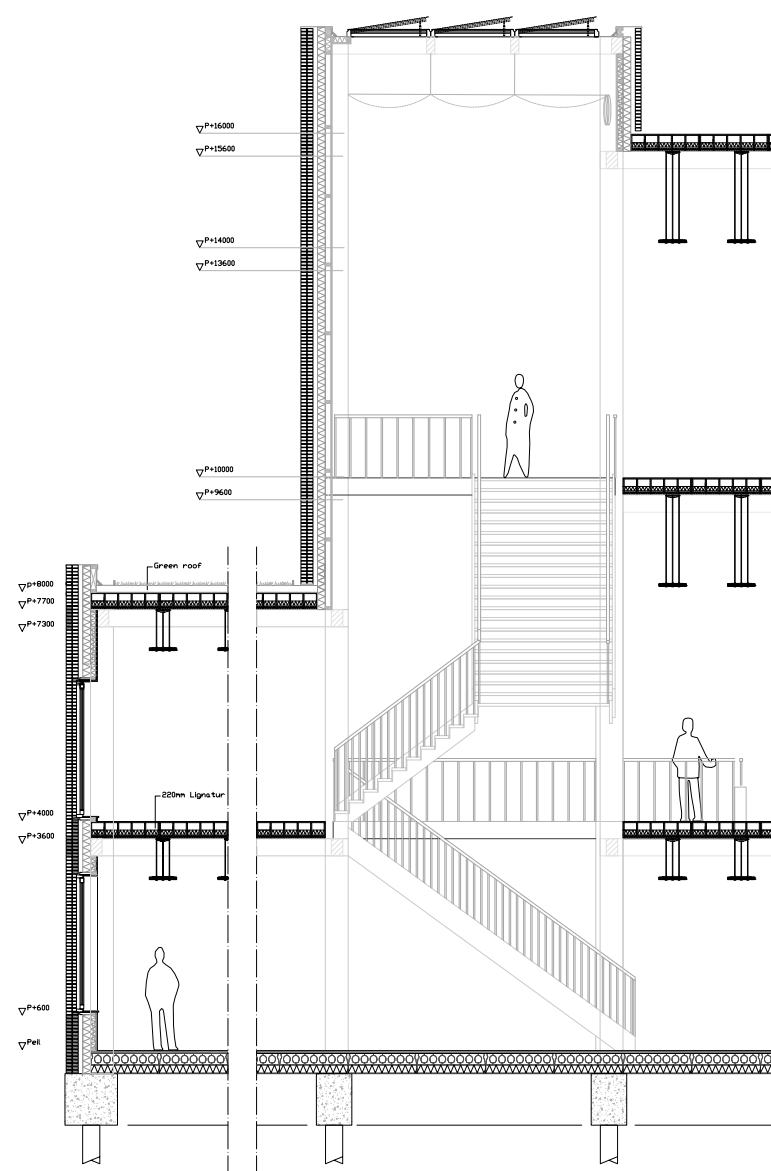
Summer (night)



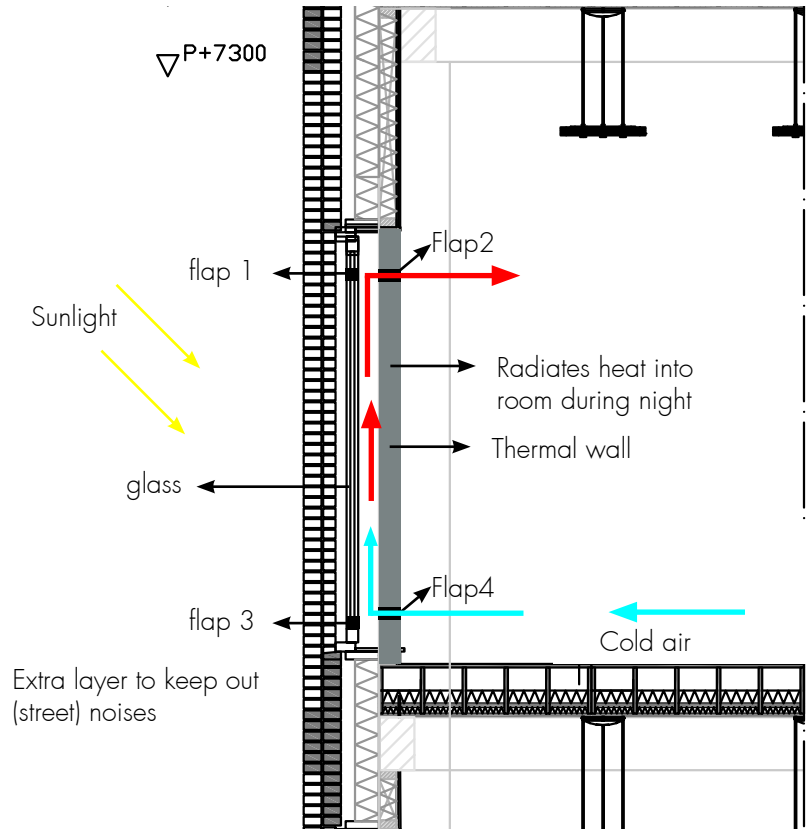
Main elements of building technology
Atrium



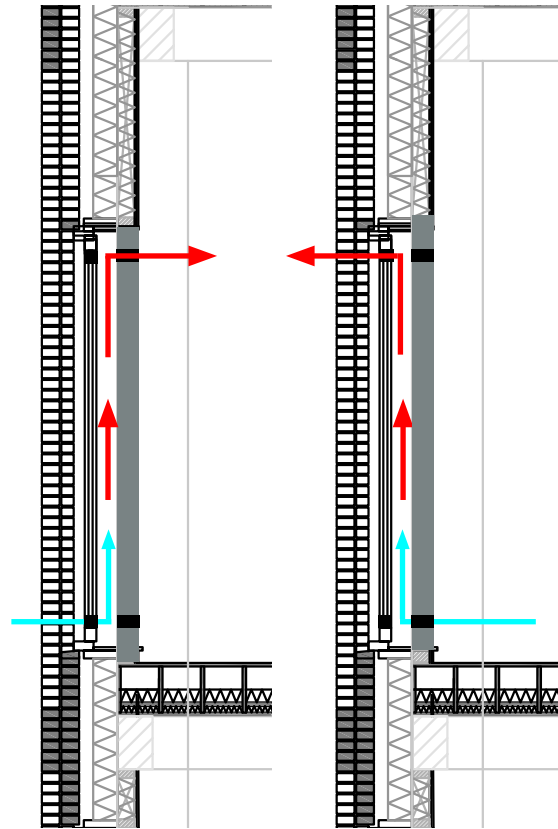
Section of building
AA



Section of building
BB

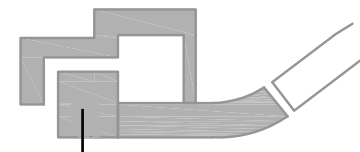


Working principle trombewal

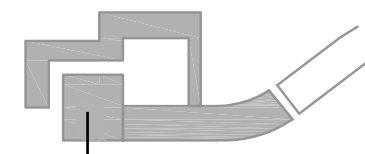
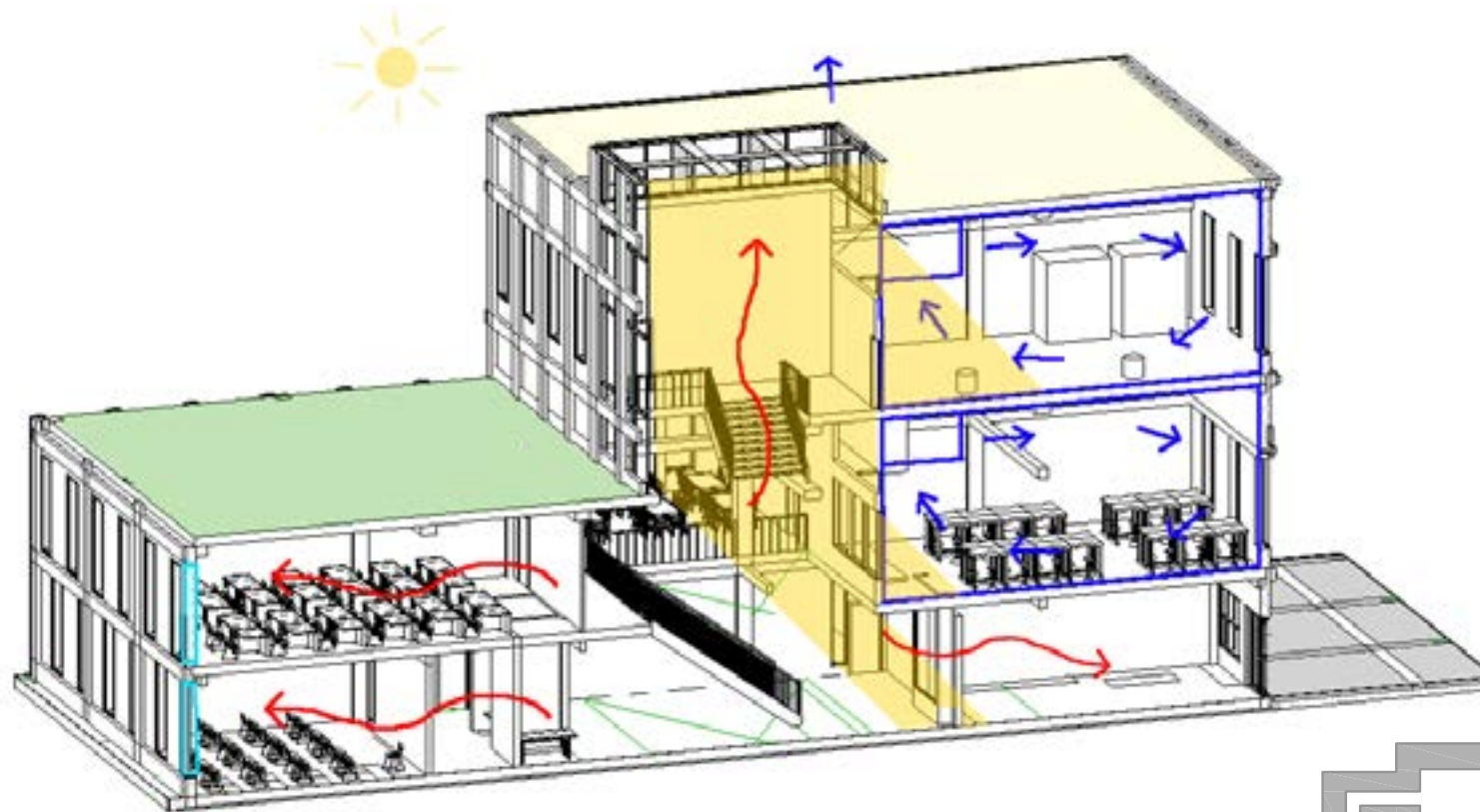


Winter heating

Summer cooling



Trombe wall
working mechanism



Section of building 3D
Working mechanism climate

Jewelries in the box

- Delfshaven Rotterdam; excellent location
- Additional functions are essential
- Safe surrounding for students
- School will have a public and economic function
- Brickwork fits very well in the surrounding
- Need for craftsman school in south-west Holland
- Building integration with the park, and invites the public
- Architectural designs in line with the current (monumental) buildings

