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ROMAN KNAUFT | NORA KRAMER

E8 | Senior & Junior CO-HOUSING - a proposal for Bockenheim | Prof. Dr. Marta Pelegrín

Bockenheim and Ferdinand Kramer

CO-HOUSING project

Bockenhome is a project combining the ideas of co-living with recycling the existing building Hörsaalgebäude II designed by Ferdinand Kramer in 1964.

The main goal is to provide affordable living for everybody within being sustainable to value the natural resources.

Co-living encourages mutual assistance and self-help in times of shrinking welfare systems. People have the opportunity of profiting from each other, young and old. Co-housing brings challenges and opportunities related to economic, social and cultural. People have needs for exclusive and inclusive aspects of housing. Co-housing can encourage communication, exchange and interaction within housing projects beyond their borders.

BOCKENHOME area

The existing building is on the border to the old campus.

In former times it was the extension of the Hörsaalgebäude I, which is located next to it. Both buildings are designed by Ferdinand Kramer, an Architect from Frankfurt and part of the movement 'Das Neue Frankfurt'. During world war II he had to go in exile to the USA and came back to Frankfurt in the 50ies as the head architect building a new university in Frankfurt.

His main idea was so called democratic architecture. His architecture follows the strength of function. He wanted to have a large campus, so all institutes can easy work with each other without moving to far. The Philosophicum, also in Grärfstraße, includes several institutes in one building to simplify interdisciplinary work.



project building: Hörsaalgebäude II, 1964



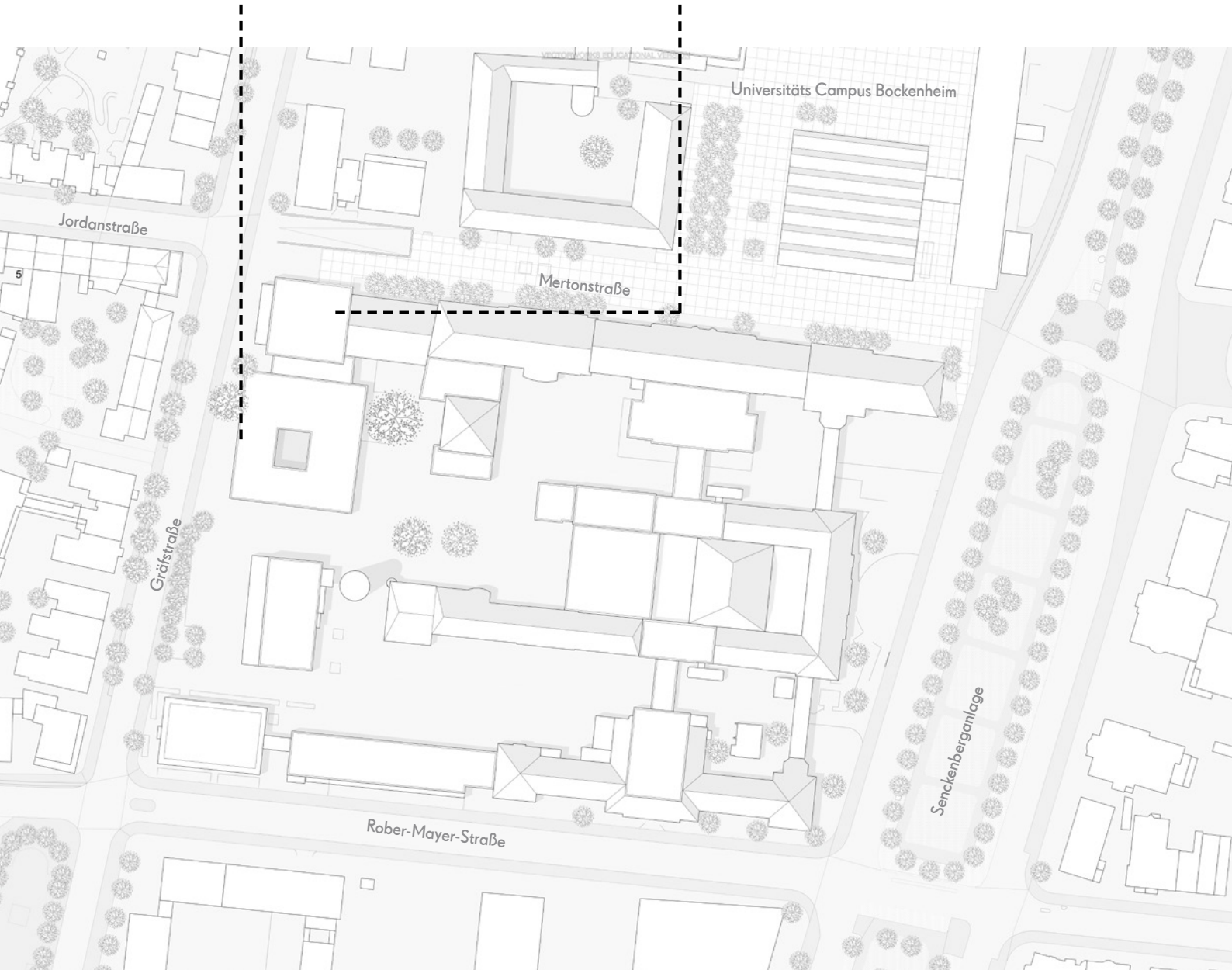
Hörsaalgebäude I, 1958



Institut für Pharmazie, 1957



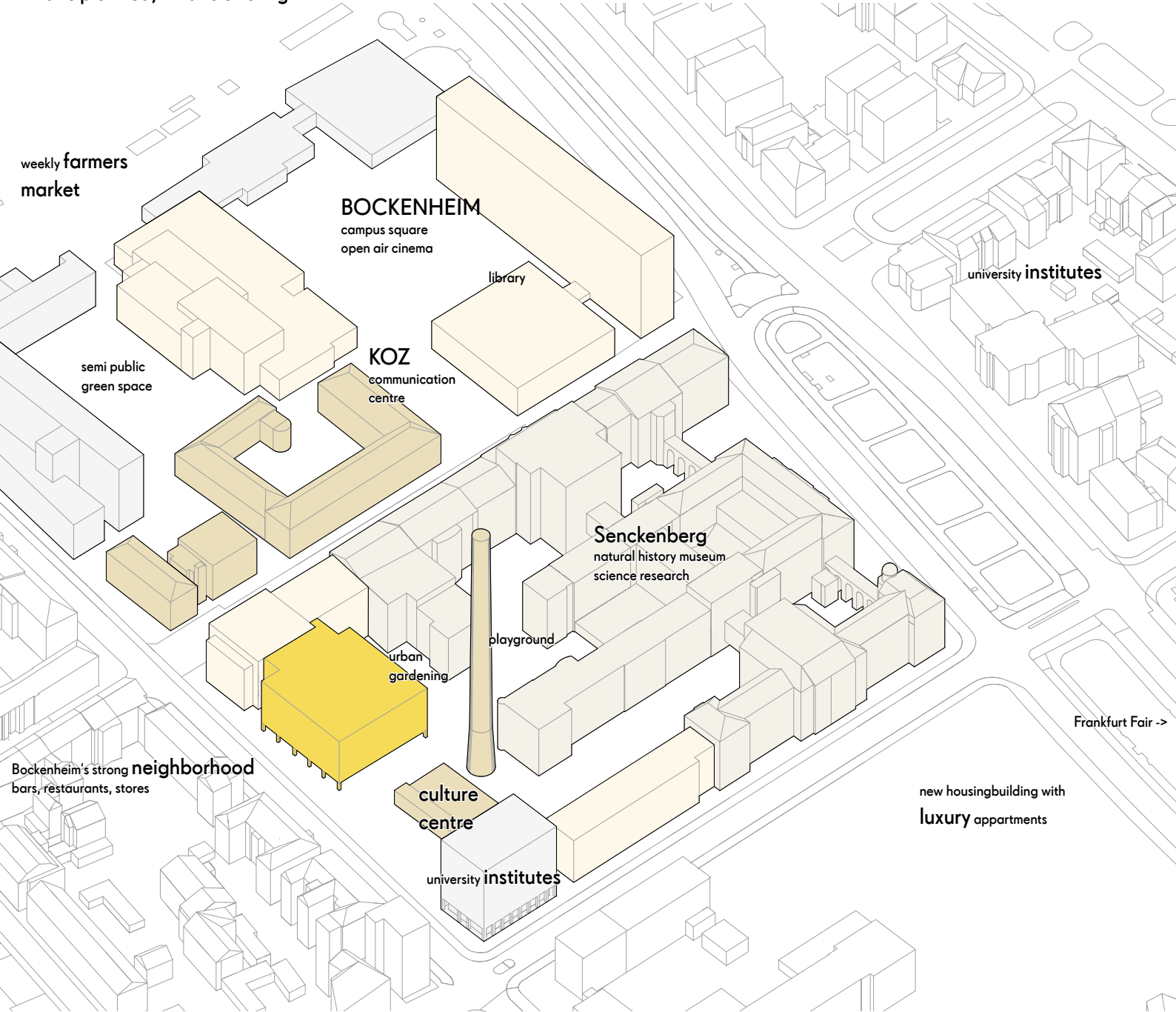
Philosophicum, 1960



Neighborhood Campus Bockenheim

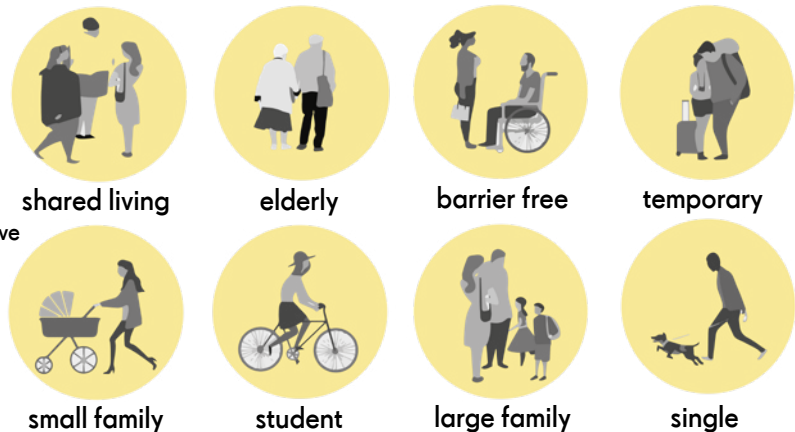
In the neighborhood we can find a strong existing community. Several open spaces, such as the main campus square in front of the KOZ. There are small stores, restaurants or bars in Jordanstraße and Leipzigerstraße. The new building will form a small center for the neighborhood community in Bockenheim and add it with the residents of the building. It is not exclusive, it is inclusive.

what's planned, what's existing?



CLUSTER LIVING

A diverse range of people are living currently in Frankfurt Bockenheim. Having the opportunity to live together in one house and benefit from each other. Sharing large community spaces but being able to close a door and have your own privacy.



shared living

elderly

barrier free

temporary

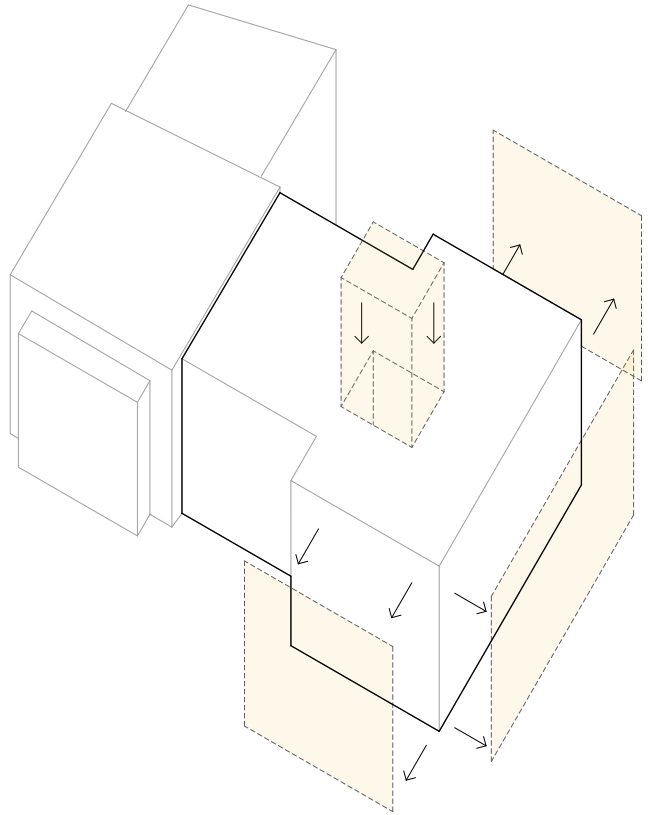
small family

student

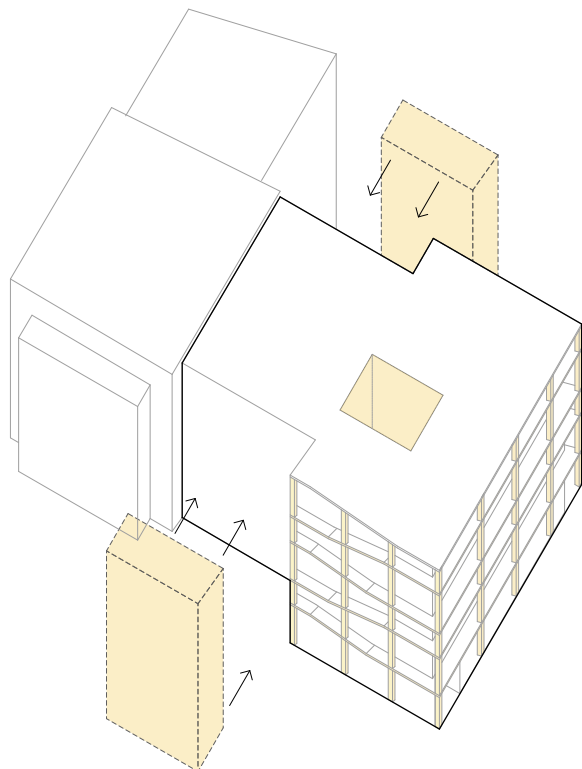
large family

single

- a
remove the facade to show the structure of the existing building
cut an atrium into the floors for more lightning inside of the building

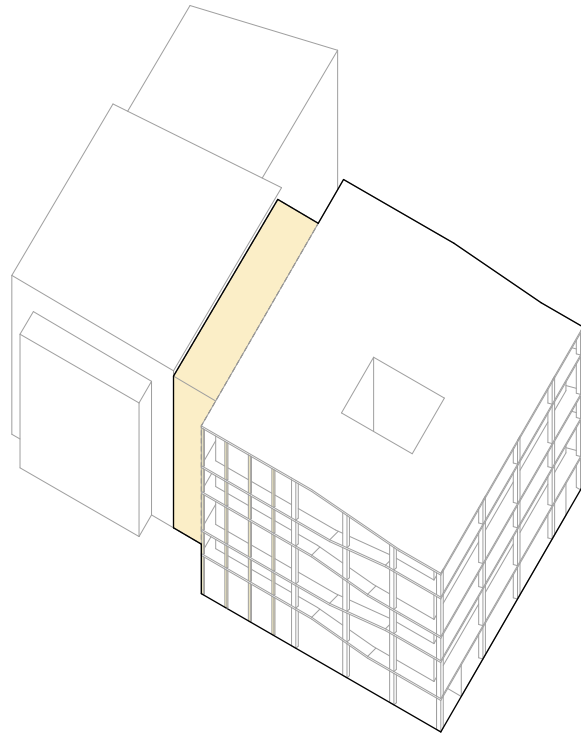


- b
add a new part to the existing building to have an even impression of the new facade
here will be the ‚Laubengang‘, which will connect every apartment and the community area with each other



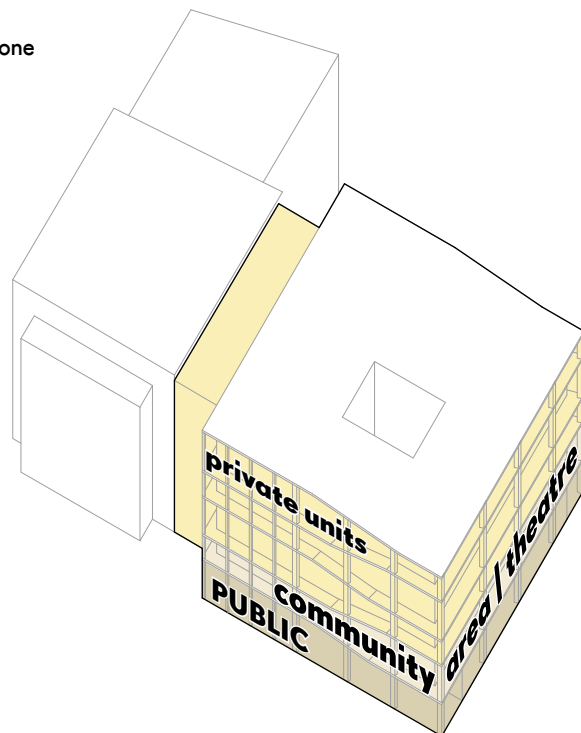
c

fill the gap between the historic building and the recycled new building - to have a respectful distance towards Kramer's Hörsaalgebäude I



d

fill the building with content: ground floor will stay public ground for Bockenheim's neighborhood and open for everybody
first floor will be for the community - open spaces for working, rehearsal and one auditorium for theatre, cinema or similar

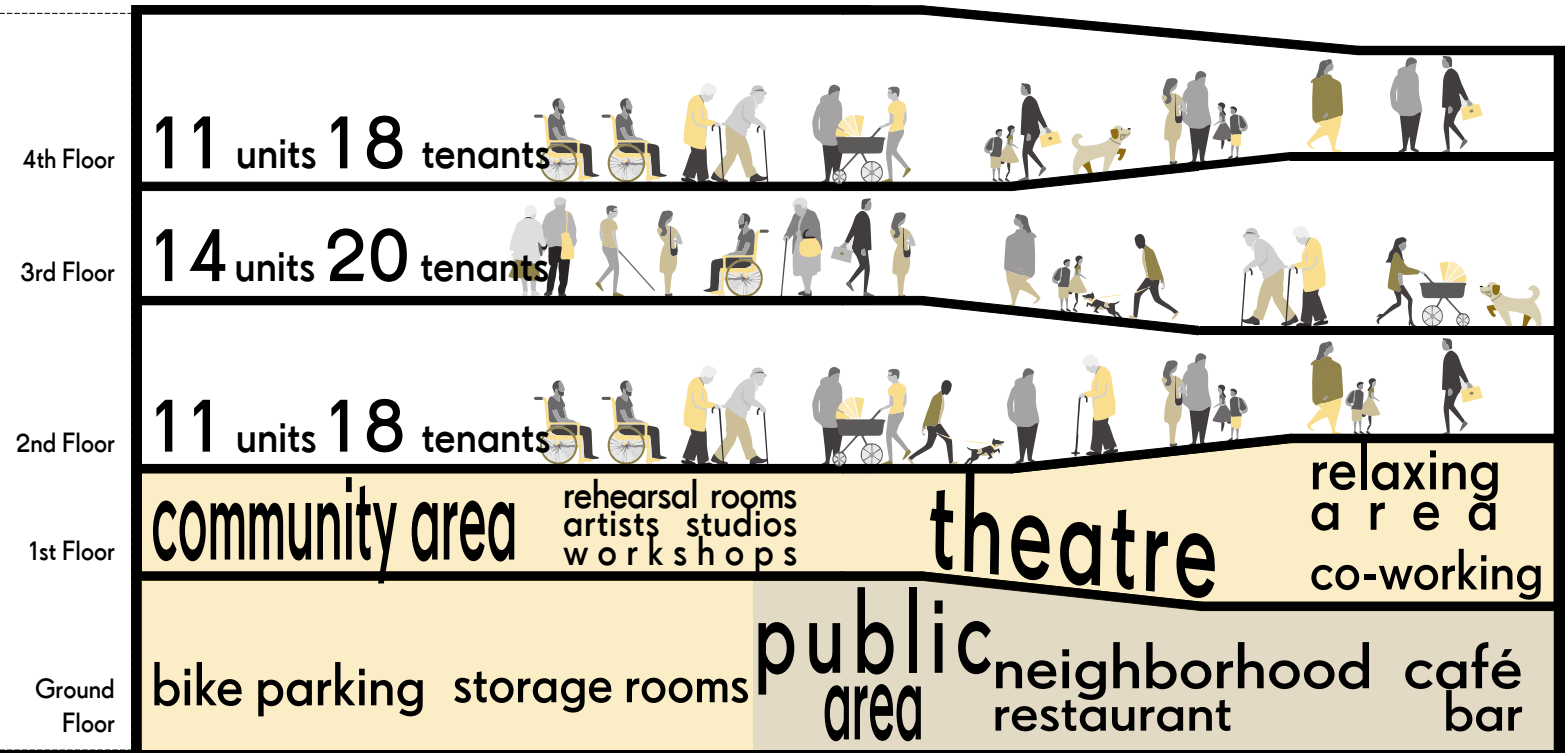


integrative LIVING

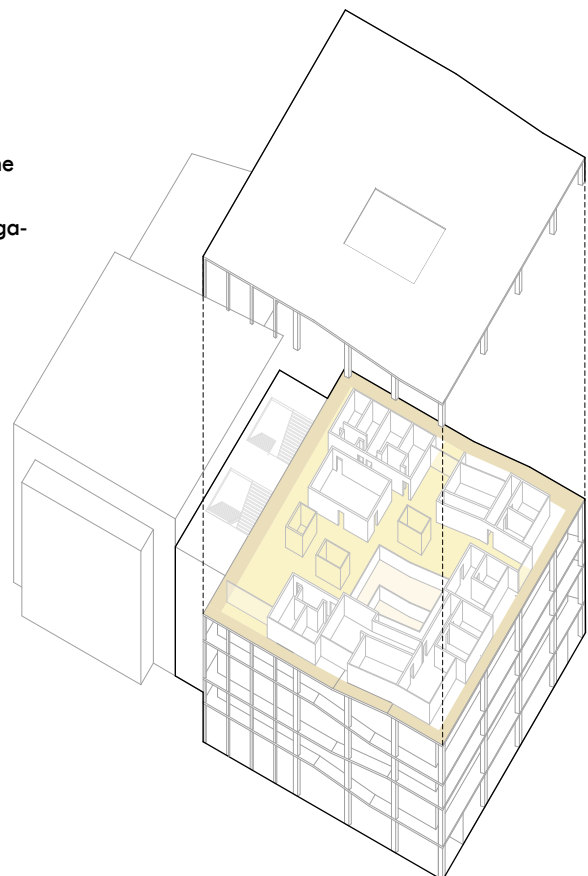
Each floor is divided into flats that support a variety of family and social structures. Each floor, as well as flat, defines its own set of rules.

The ground floor is mostly open to public.

The option rooms in the first floor can be used for wood shop, catering kitchen and studios. There is also the opportunity to use those places as a non-resident and offer meeting places for the broader neighborhood community. It is an advantage for the residents to have places such as an atelier, music studio or small office in the same building as their home, but still keep them spatially separated. To diversify users the building complex different types of housing. Larger apartments with duplex levels for families or shared apartments. The duplex apartment gives the resident a feeling of living in a single house, but they still profit from the community the building creates.



fill up the upper floors with private units and floorwise community spaces in the middle of them
 all around that is the circle consisting of the 'Laubengang' which is a meeting area with niches optional as private area, closable with polycarbonat plates

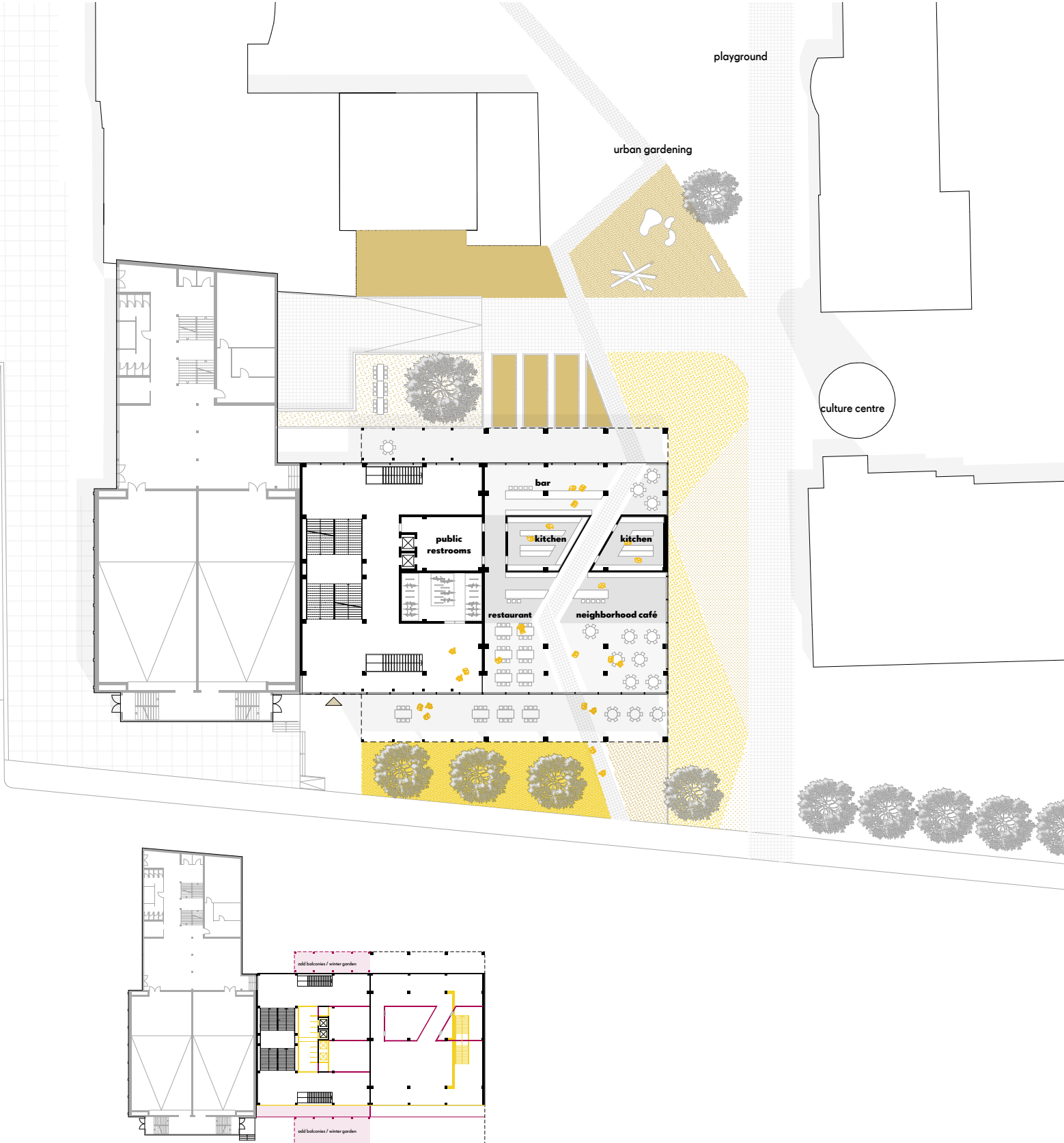


Ground Floor

The ground floor on the right is the public area. A large space with café, restaurant and bar. And the opportunity to enlarge or reduce the area with curtains to react flexible on different events.

The passage connects the back yard of the building with the front street. The back yard is not a resident-only zone, it is open for the neighborhood. You can grow plants and vegetables in the urban garden or use the open space to relax.

The residents of the building have an extra entrance located in the 'gap' between the old and new building. Behind the entrance are large storage rooms for the bicycles or baby carriages from the residents. We kept the existing staircase and the elevators. This zone forms the vertical development in all the other floors as well.



First Floor

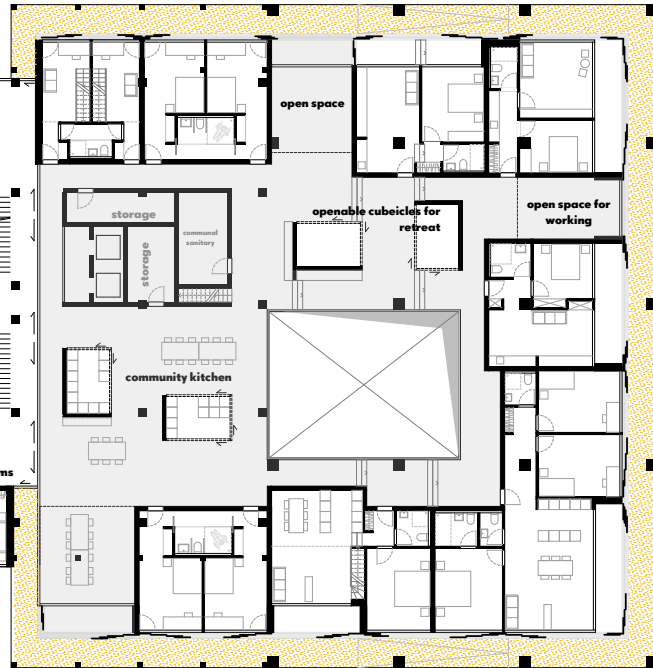
The option rooms in the first floor can be used for wood shop, catering kitchen and studios. There is also the opportunity to use those places as a non-resident and offer meeting places for the broader neighborhood community and have space for district initiatives, such as "Beinbo - Begegnen in Bockenheim". Some of the option rooms are entered from the Laubengang.

We keep one auditorium as a theatre or cinema for the community. It has a connection to the rehearsal rooms to move the props easily. The atrium is closed, but openable. So you have a small inner garden, which brings light and fresh air into the community areas. To access the relaxing or fitness area you have to walk through the atrium or use the Laubengang.

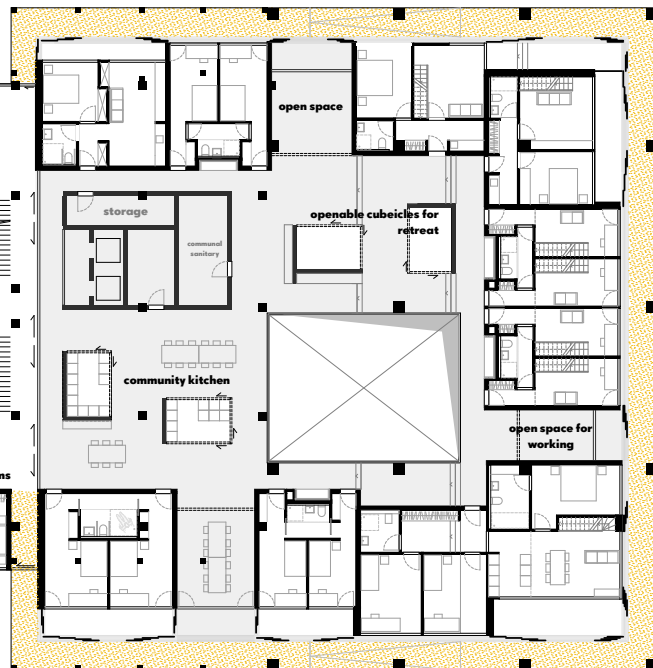
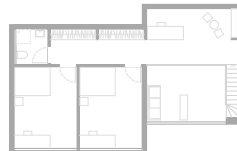


residential floors

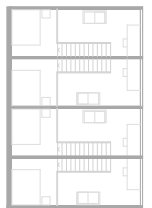
The residential floors are entered from the staircases or elevators in the north. The main concept is the connection between private units and community areas. We have the inner community area in the middle of the floor located around the atrium and the outer circle as a meeting area around the building formed as the Laubengang. The Laubengang is connected to the middle community area with working niches. They can stay open or can be used as closed working stations. Areas like these are getting more important, when more and more people are starting to work from home and need a place for their home office. Or students, because universities don't have enough working places and the housing space is expensive and rare. In the middle area is also a large kitchen and a place to communicate with the other residents. Also there are cubicles, to play video games, watch TV or read a book by yourself or with others.



2nd/4th floor



3rd floor

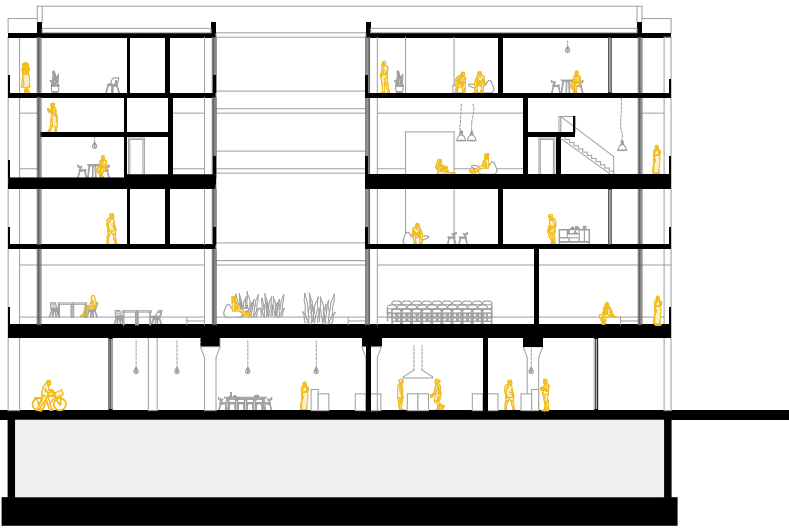


elevation Gräfstraße | section

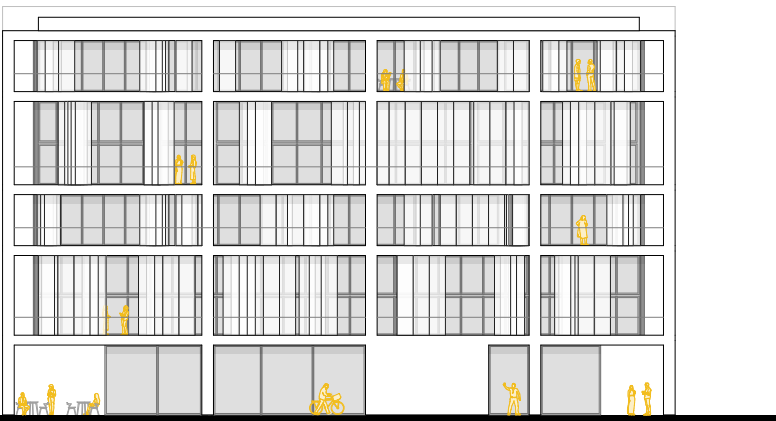


elevation Gräfstraße





section



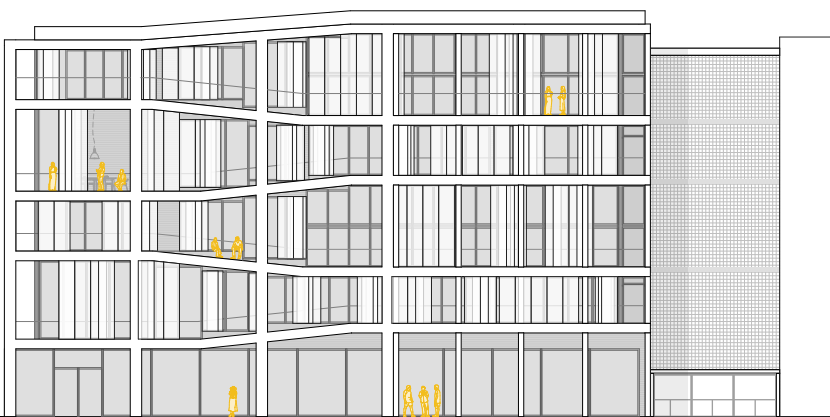
elevation south

Polycarbonat facade between ,Laubengang' and private Loggias



Polycarbonat facade | Lacaton et Vassal <https://src.lafargeholcim-foundation.org/img/67f09cc6-602f-4301-a1d5-74c4df5d8bc6/Nantes-006xa.jpg>

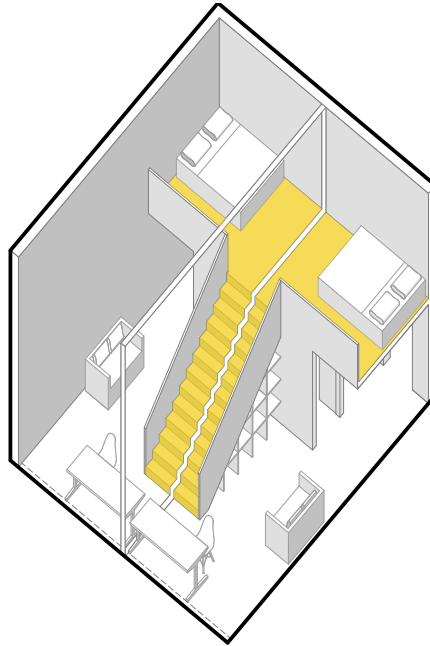
Glasbricks for the gap between new and old



elevation east

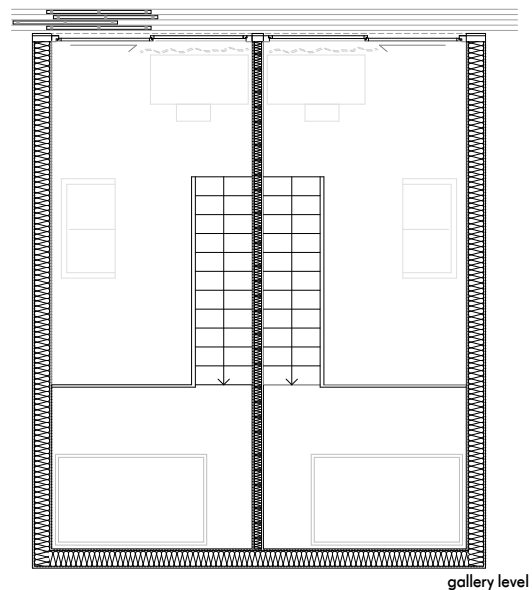
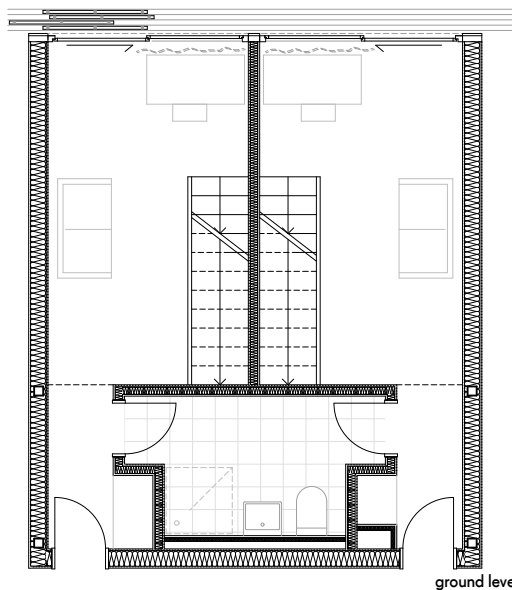


Glasbrick facade | Renzo Piano Architects, Flag ship store Hermès Tokyo



STUDIO DUPLEX
extra small

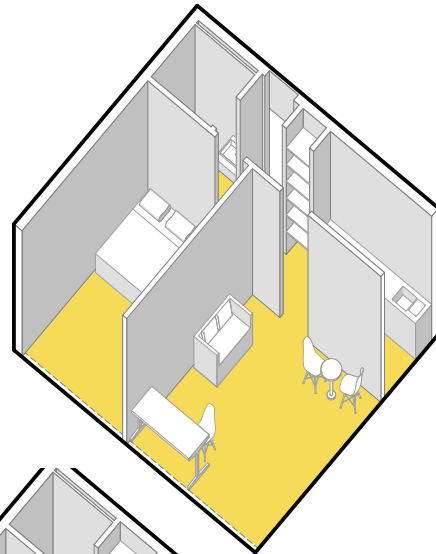
- 25 m²
- each studio for 1-2 tenants
- one module with two duplex studio apartments
- the module shares one bathroom
- living room with extra space for bedroom on the gallery



APARTMENT

small

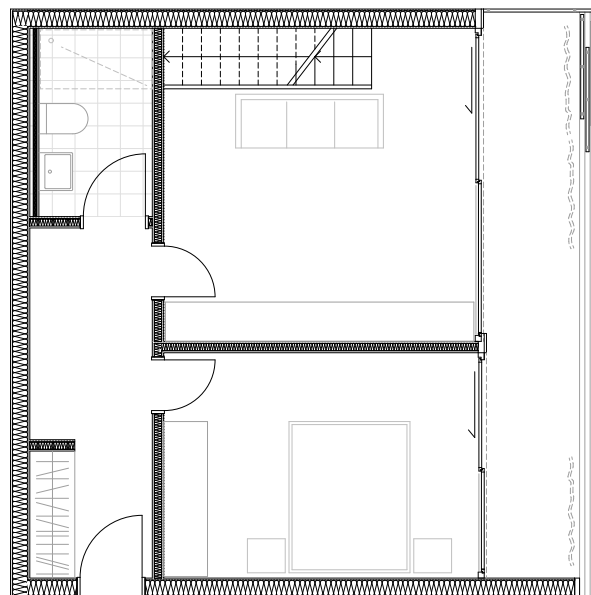
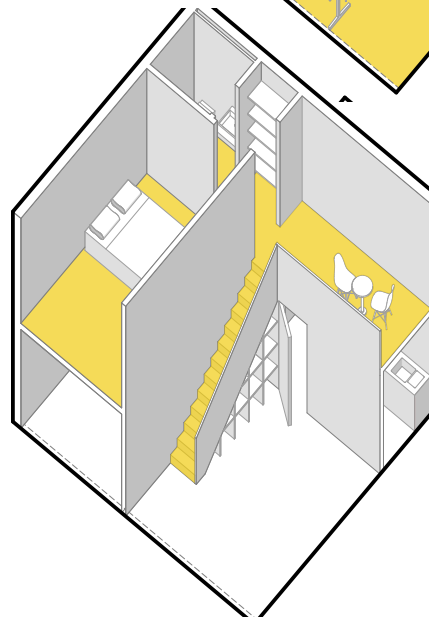
- 50 m²
- space for 1-2 tenants
- one module with one bedrooms and living room
- extra balcony space - closable with polycarbonat pattern



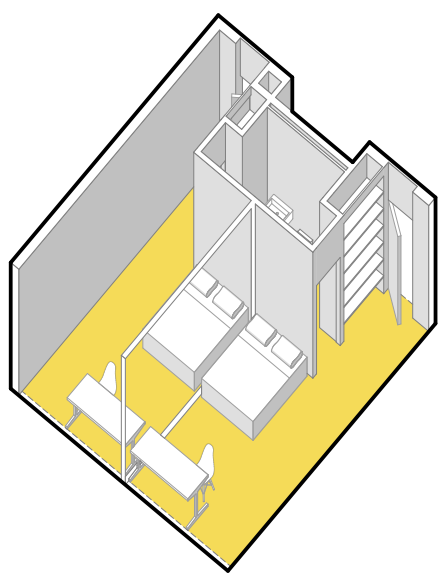
DUPLEX APARTMENT

medium

- 70 m²
- space for 2-3 tenants
- one module with two bedrooms, living room and gallery
- extra balcony space - closable with polycarbonat pattern

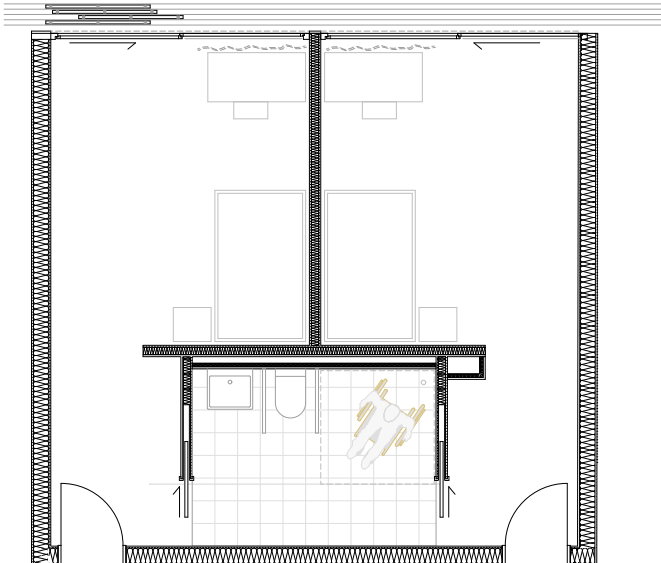


ground level apartment m
without stairs s

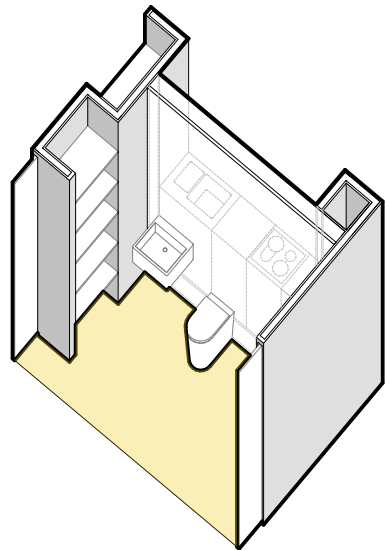
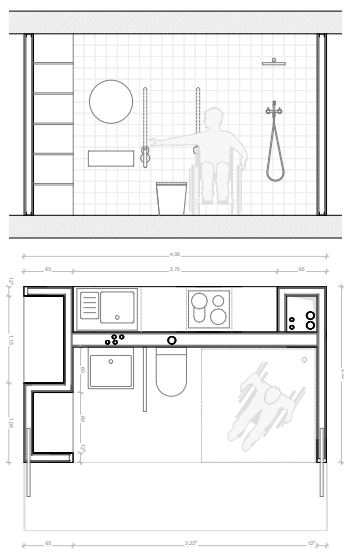


STUDIO BARRIER FREE

- one module with two studio apartments, barrier free
- the module shares one bathroom
- each studio for 1 tenants
- enough space for wheelchair users
- 25 m²



ground level barrier free
1:50

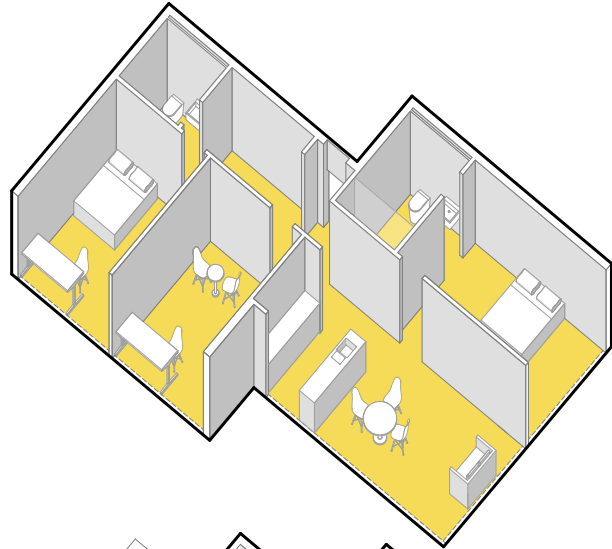


home core - wheelchair accessible
1:50

APARTMENT

large

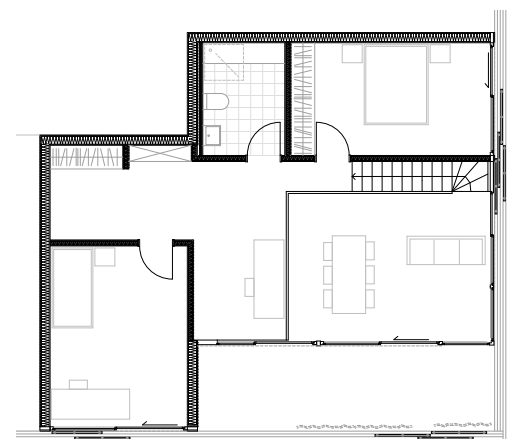
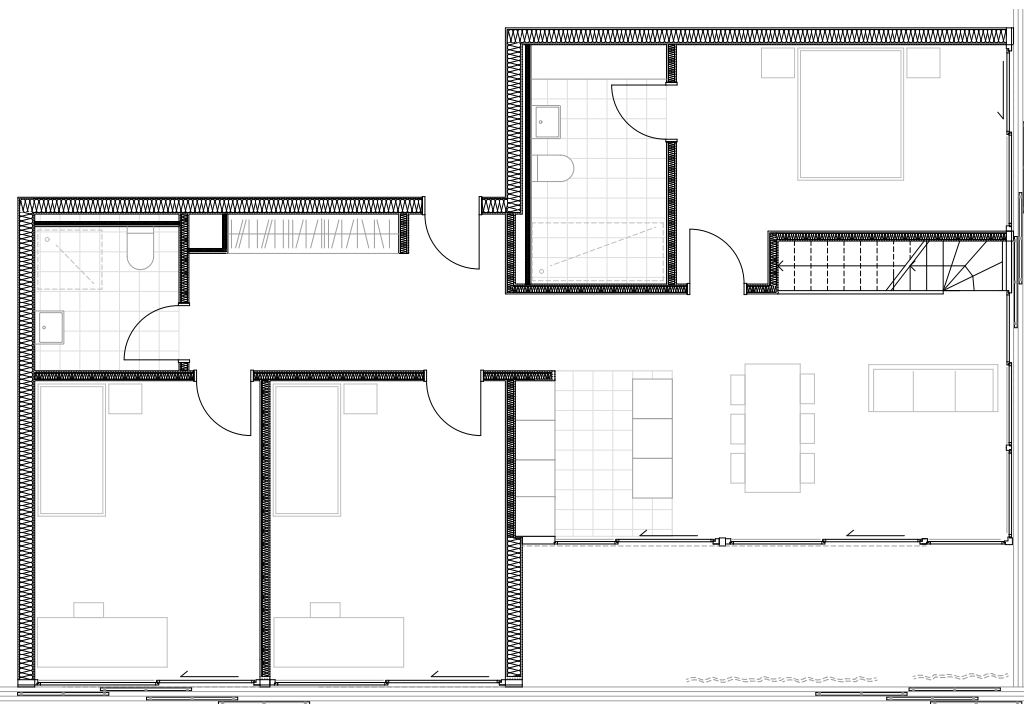
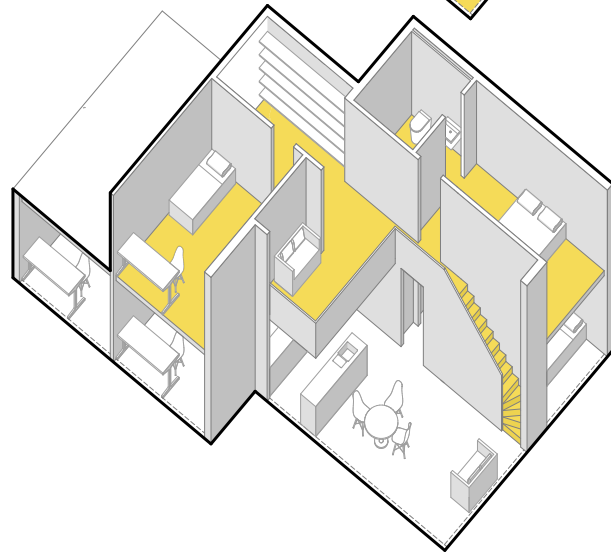
- 120 m²
- space for 3-5 tenants
- three bedrooms, living room with an open kitchen
- extra balcony space - closable with polycarbonat pattern
- for small families or usable as shared apartment



APARTMENT

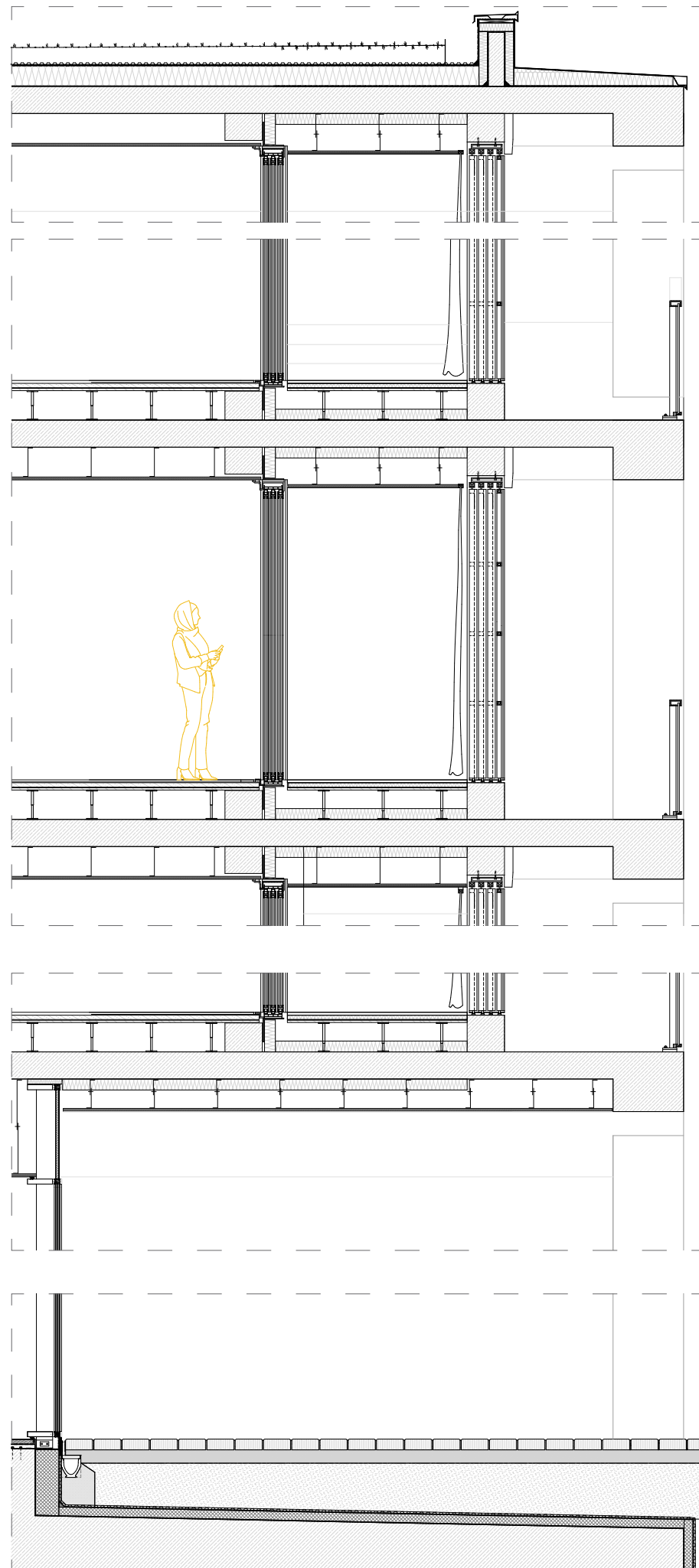
extra large

- 200 m²
- space for 5-8 tenants
- five bedrooms, living room with an open kitchen and gallery
- extra balcony space - closable with polycarbonat pattern
- for families or usable as shared apartment

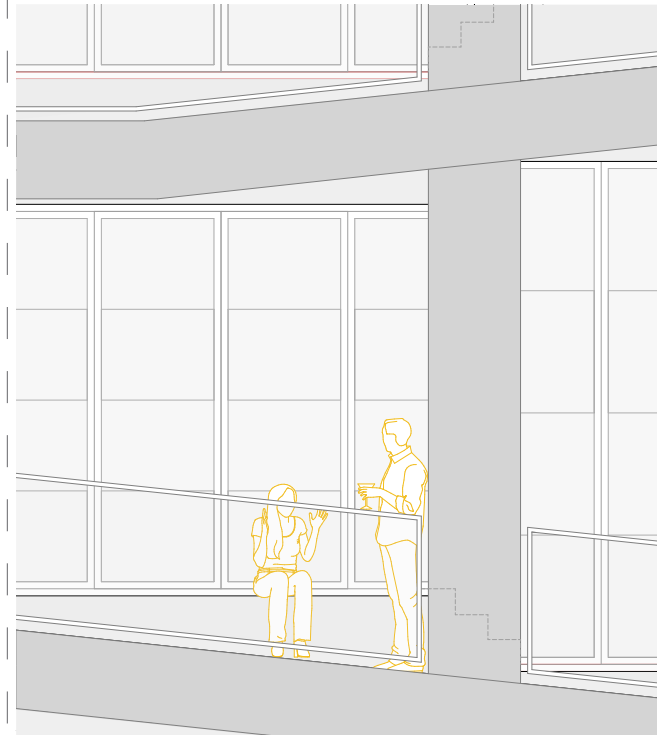


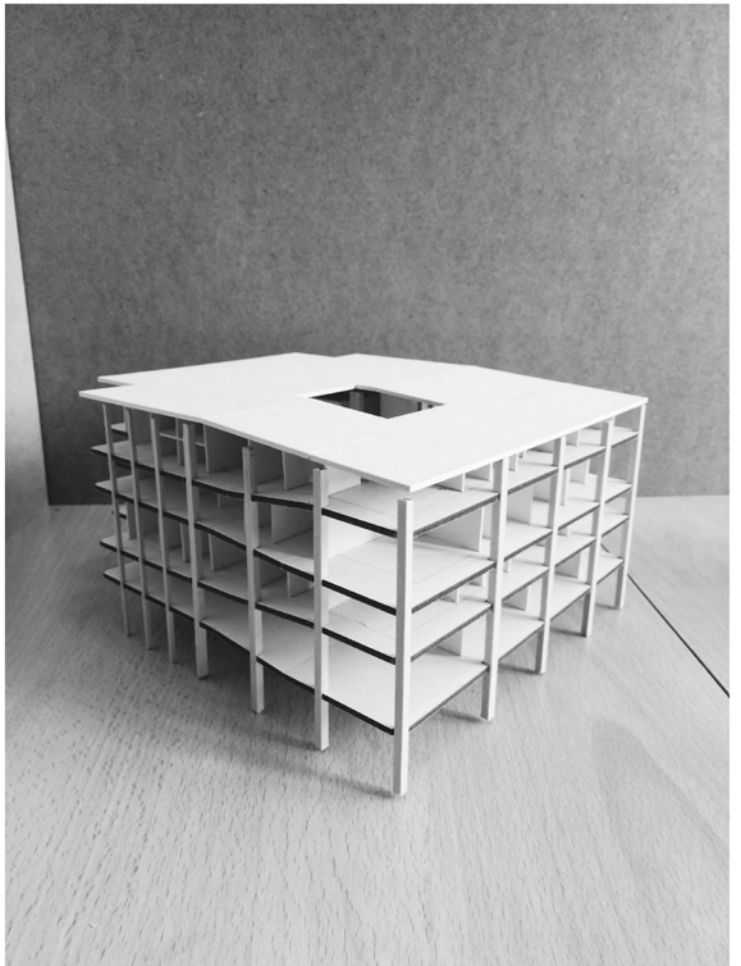
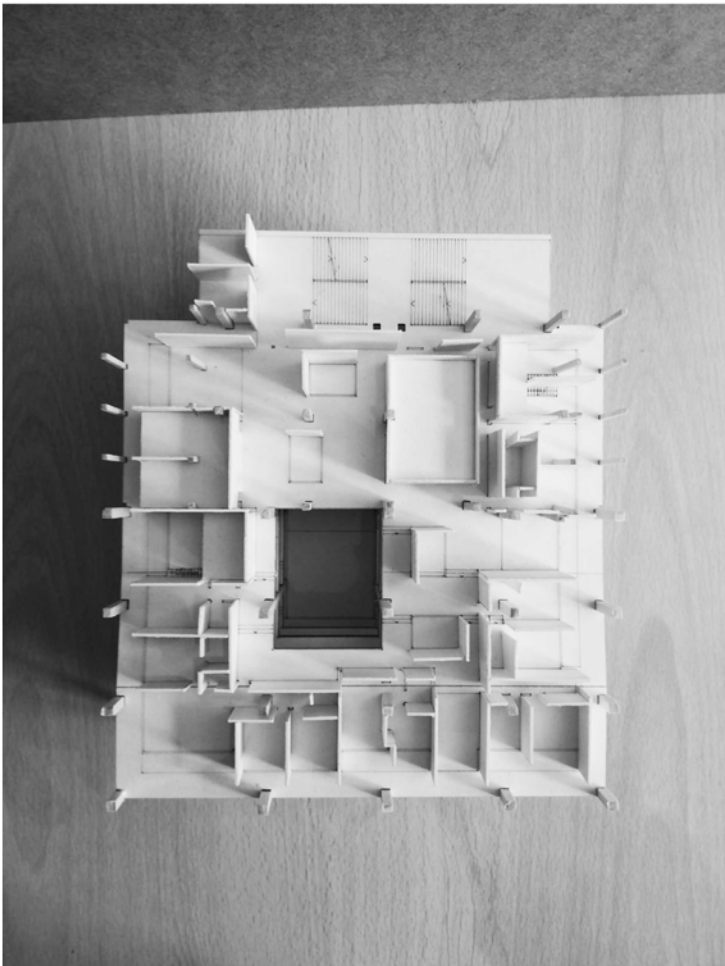
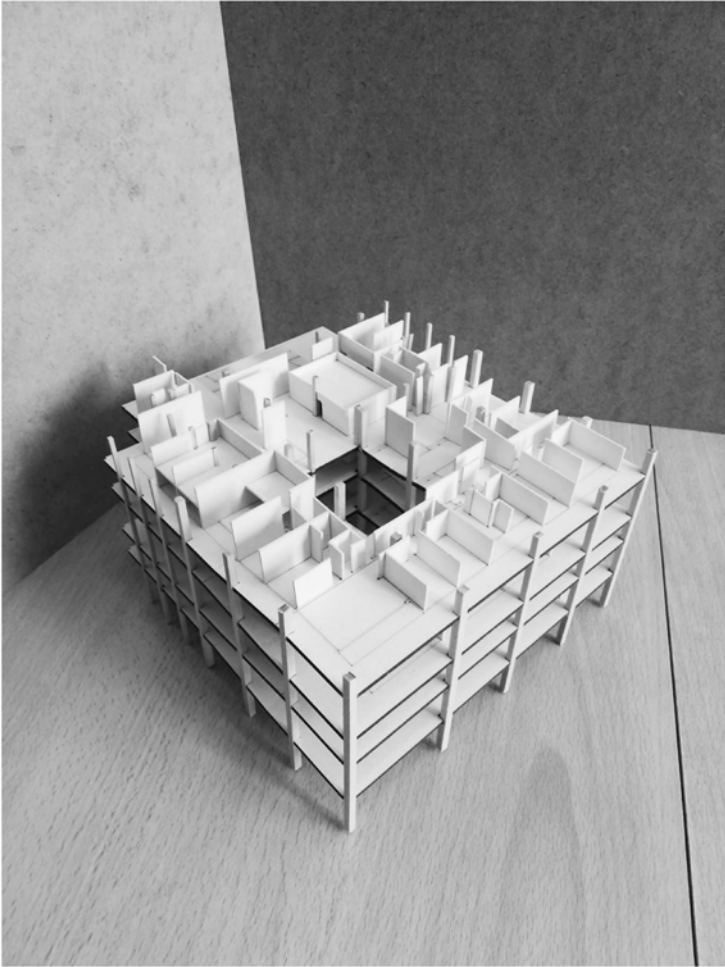
gallery level apartment xl

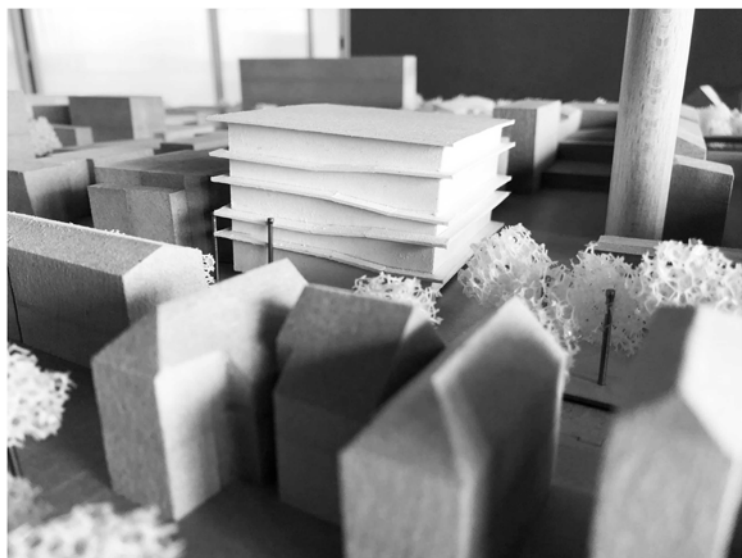
ground level apartment xl
without stairs |



construction
fassade, Laubengang, Balcony/Wintergarten







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