

DOCUMENTATION

MASTER STUDIO

STUDENT RESIDENCE

BIEL / BIENNE

FALL 2014

PROFESSORS

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MARKUS ZIMMERMANN



Bern University
of Applied Sciences

joint master
of architecture

Studio - Joint Master of Architecture - Bern University of Applied Sciences
Architecture, Wood and Civil Engineer - Burgdorf Switzerland



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 Architecture, Wood and Civil Engineering
 Burgdorf Switzerland

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Above: Inside space, Nisl Gyax
 Front Picture: Film still Patrick Rieder



Visualization Nils Gygax,

INTRODUCTION

INTRODUCTION

I, You, We

To design one's own habitat, as in our case, involves both opportunities and risks. On the one hand, it is great to mould our own needs directly in architecture. On the other hand, there is the architects' obligation towards a more comprehensive view: urban planning and architecture form a necessary and essential unity in design as well as constructive development. Our residence seminar will draw its energy from this overlap of one's own, even obsessive or experimental desire for a temporal collective and its very long term realisation, with relevance to urban planning.

We will work with references and concepts. Only the intersection of both areas is promising for our concept of architecture. Jean-Luc Godard, French director of la Nouvelle Vague, has tersely described these and similar situations of creative freedom in "Introduction to a True History of Cinema and Television" (Paris 1980, Editions Albatros): "This has been my rule... do what you can and not what you want. To do what you want, start with what you can. Do what you want out of what you have. And certainly do not dream the impossible" (page 24 in the German edition, Fischer Cinema).

AIM

Transitions and public elements

We are interested mainly in space and particularly in the transition from public/collective to private spaces at a time when public space is being diminished and will maybe need to be incorporated more directly into the buildings. Students will thus get to know the value of architectonic connecting elements that can be used collectively in a wide variety of ways, such as pergolas, courtyards, porticos, terraces, lobbies, stairs, projections or arcades or simple alcoves. Complementing the programme of approx. 300 rooms with a cinema, bars, a concert venue and an exhibition space will result in a sort of institutional house with a very high added value for the cultural revival of the whole city that, due to the permanent flux of residents, needs to stand like a solid rock in the turbulent waters of Biel/Bienne.

In this context, the question of appropriate monumentality in the modern sense is also apposite: a residence for students exerts a certain appeal and constitutes an island of intellectual freedom, social exchange and experimental pleasure.

METHOD

We will develop a new method for using space and film (with audio) as design instrument. The filmmaker and musician Christof Mathis from Zurich will explore this method with us in an experimental manner. Students will thus study an extension to the usual media of architectonic design and communication. The aim of the cinematic work is first and foremost to specify aspects of the exploration of space and not to serve as an end in itself.

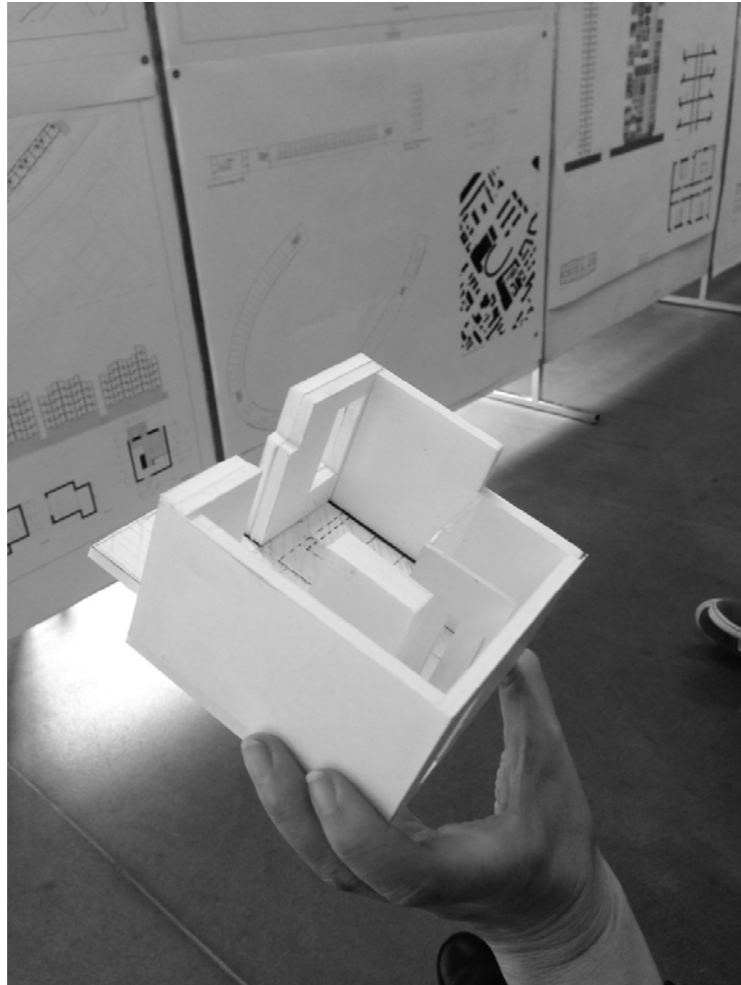
SITUATION

The situation and the size of the perimeter in the Schnyder-Areal in Biel/Bienne allows a dense yet manifold interpretation of the task. We will essentially try to work from the inside out and create without prejudice an urban space, beyond any silly fantasy, and which will bring forth a genuine project that is relevant in its urban planning and, above all, can actually be realised. Structural and loadbearing construction and form will, as always, be an integral part of our master course and careful attention will be devoted thereto.

Within the scope of the planned Campus Biel (2020) offers for student apartments are also to be. Our project is based on a real need of the developing city of Biel. Together with famous architects, whom we invite as a guest critic, also the leader of the structural engineering office of Biel as well as representatives of the town marketing and the town planning department will visit us.

Biel/Bienne is a dynamic city with an eventful history of urban development and architectonic benchmarks that are unique in Switzerland. The convention centre (Kongresshaus) by Max Schlup dating from 1966 and the Volkshaus (Ronde) by Eduard Lanz from 1932 are "neighbours" and possible references for our semester. We are looking forward to starting it with you soon.

Beat Mathys und Ursula Stücheli



HIGH CONCEPT - LOW TECH

A cleverly conceived idea that can be executed easily will enable us to explore the notion of space. Video is a suitable tool to let us experience space in our imagination. Video is Latin for „I see“. A video camera, however, also records audio and we will thus also be concerned with sound in space.

In the model, we will take pictures and make videos that will define our perception and our understanding of space more clearly. The methods will be developed according to the model and the character of the project. The following realizations of the idea are conceivable: To make oneself visible in the space (cross fading and keying). Searching for true spaces that have been previously thought out in the imagination and in the model. Many other approaches are possible.

When we progress in our model from the cell through the door into the common area: what would we see and hear? How would we move within this space? Where would we sit down and perhaps read a book? Which sounds are conceivable in this space? Both from outside and from inside?

In this exercise, the aim is to sharpen the senses, that of sight of course (dimension, light, perspectives, colours, surfaces etc.) but also that of hearing (reverberation, echo – vs. dry sound etc.). The sense of touch can also provide inspiration.

It is thus all about perception in the broad sense, and also about what we perceive as beautiful or as having aesthetic qualities.

Tools: mobile phone and simple editing software.

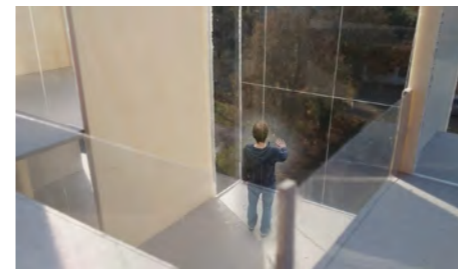
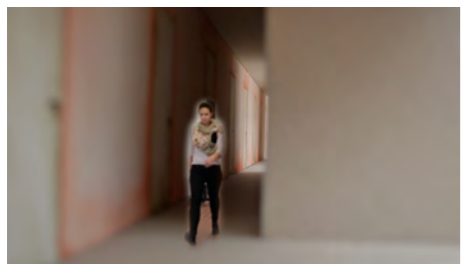
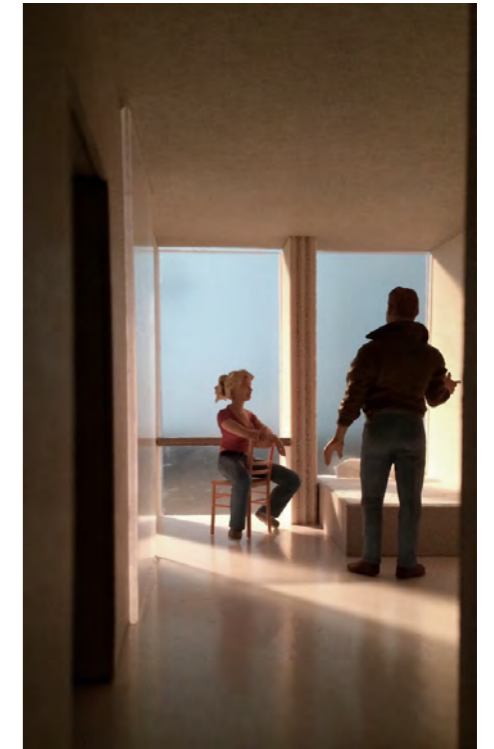
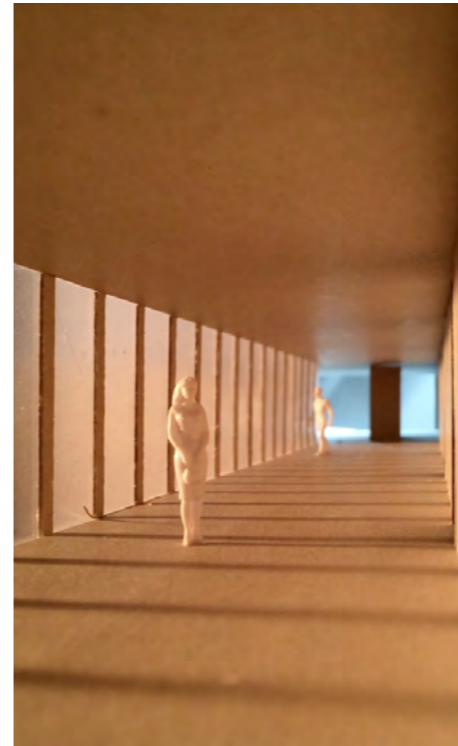
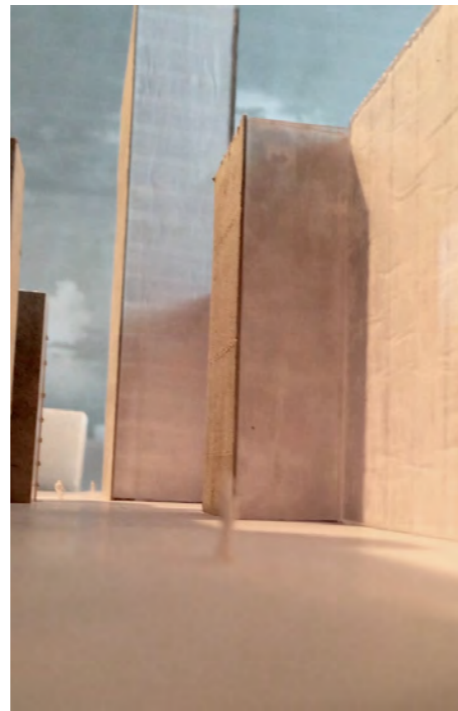
Christof Mathis

SHORT EXERCISE FILM SKETCH

With the aid of a model, of human figures and with the camera of your mobile phone, narrate cinematically a spatially motivated and an evocatively refined story that makes a statement as to your intentions for the Students Residence that is to be designed later. Sound and dialogue will be included and afforded the same attention as the spatial situation. The work is complete when all architectural and social elements have been accurately represented, reflected upon and assembled into a dense statement about space transitions (concept).

Submission: film sequence (single room – crossover element – exterior, or in reverse order), 15-20 seconds. The films will be viewed and critiqued together.

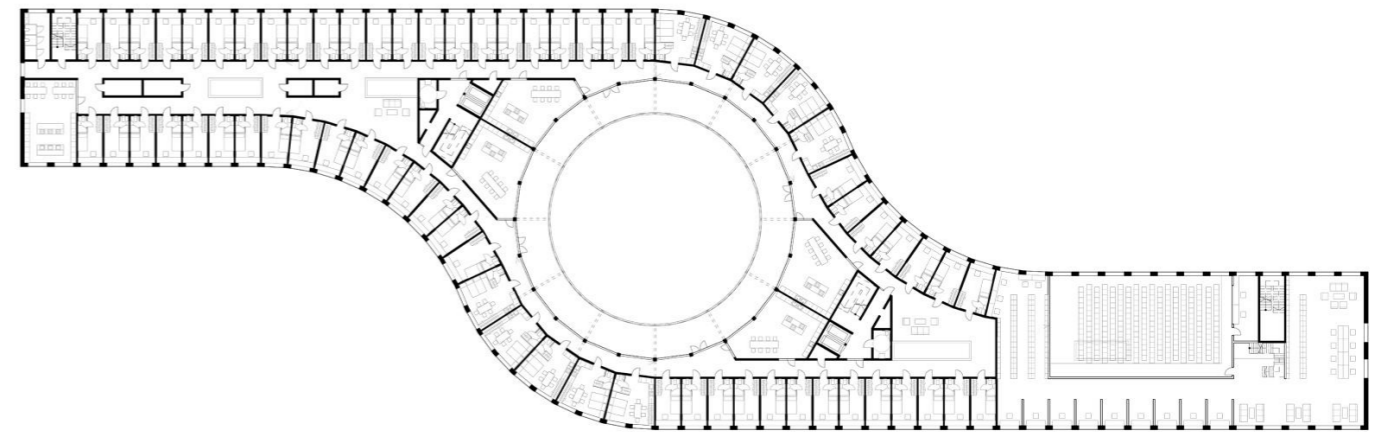
Our team member and film-maker Christof Mathis will give an introductory lecture on the theory and practice of film and architecture and will be at your disposal for the production of the film, e.g. coordination of editing, software, camera work, lighting, sound and plot and will provide support to you until the final submission.



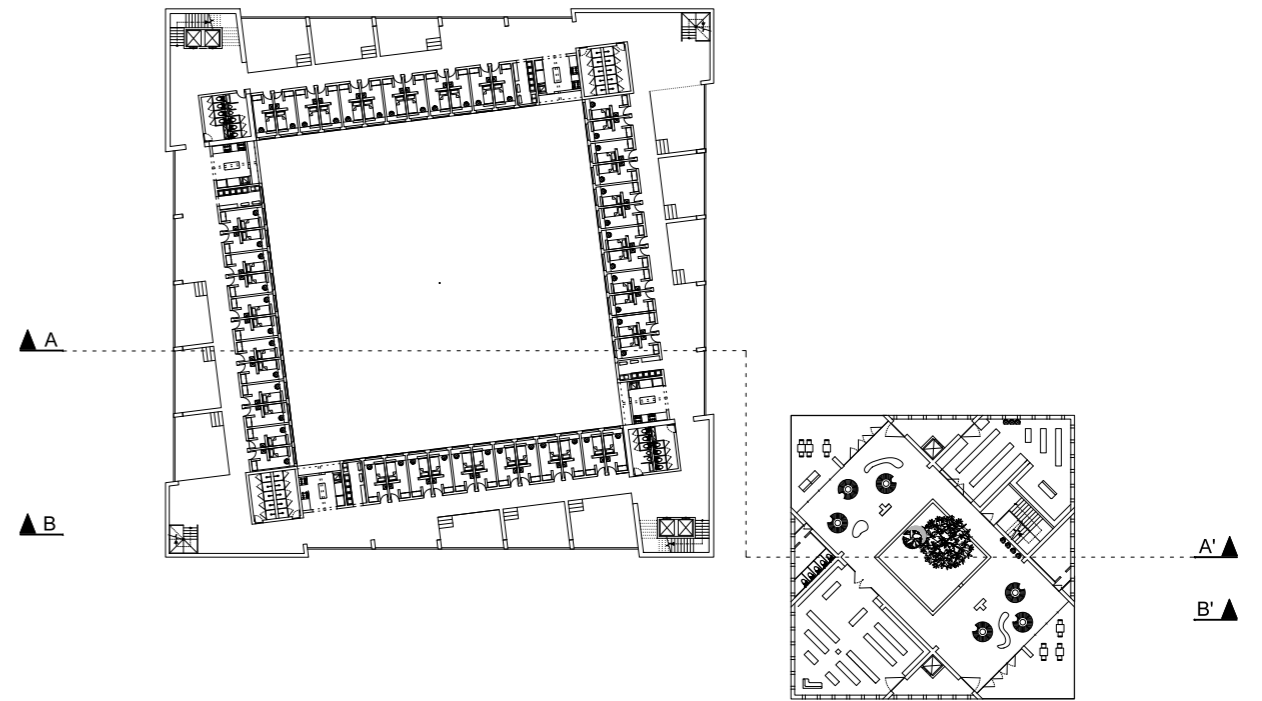
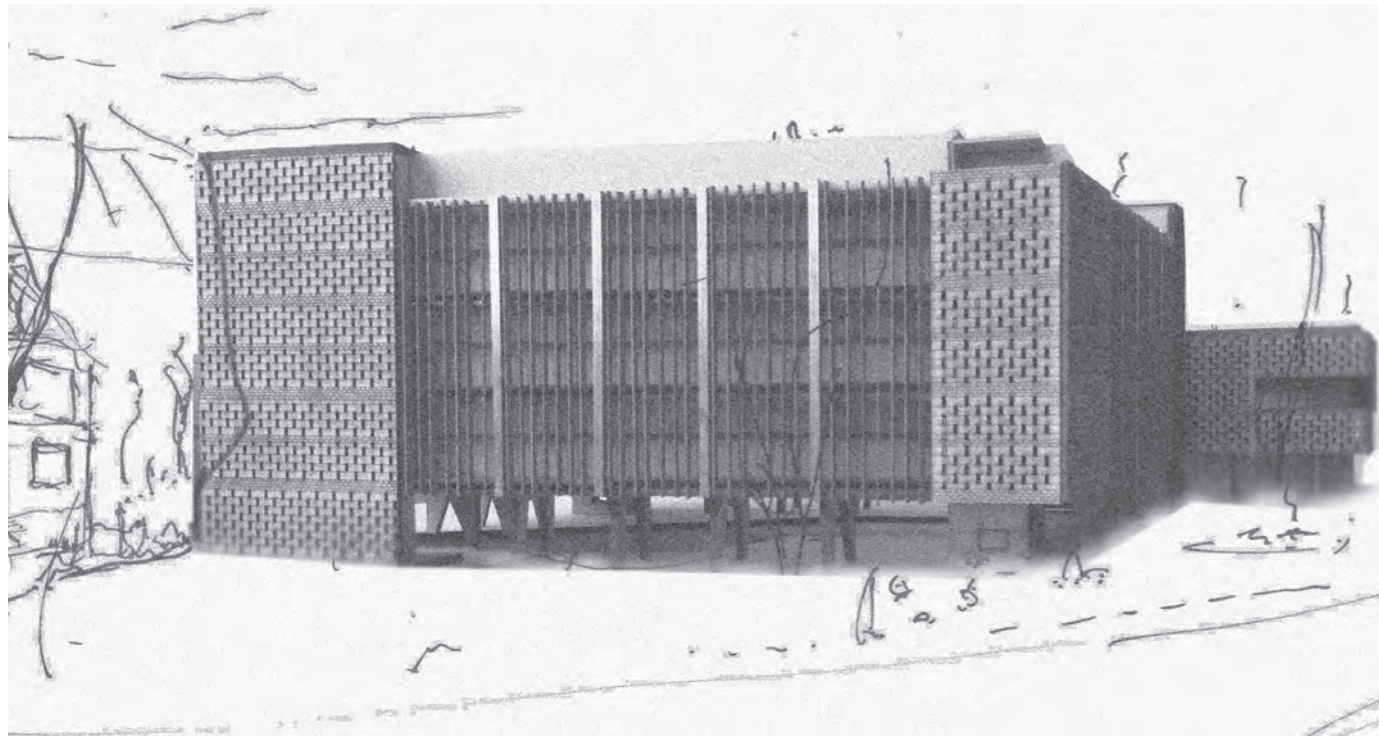


- ① Common's house (Ronde)
- ② Congress Hall
- Perimeter of reflection
- Perimeter of construction

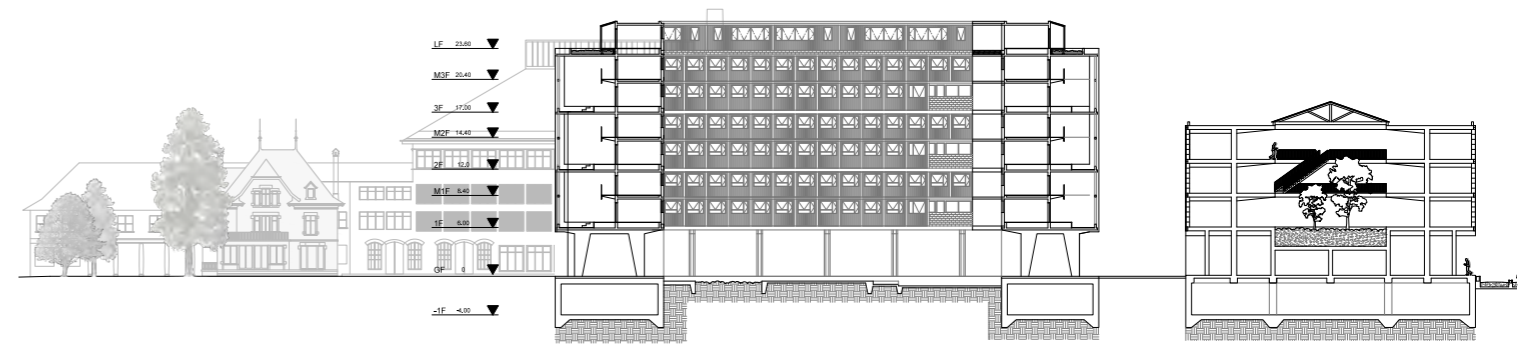
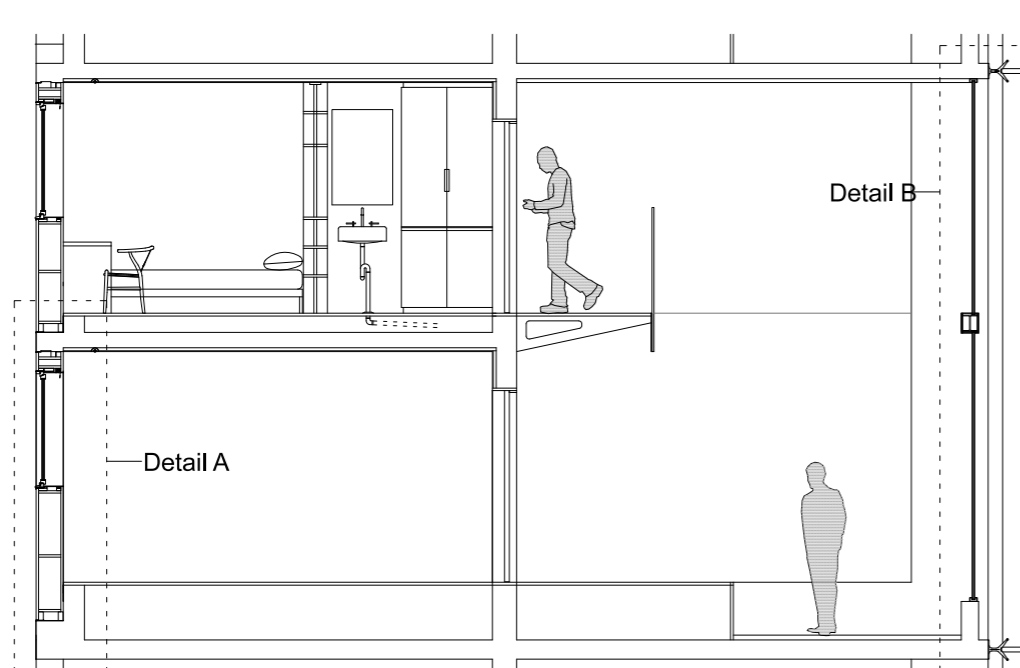
Alvina Jagant



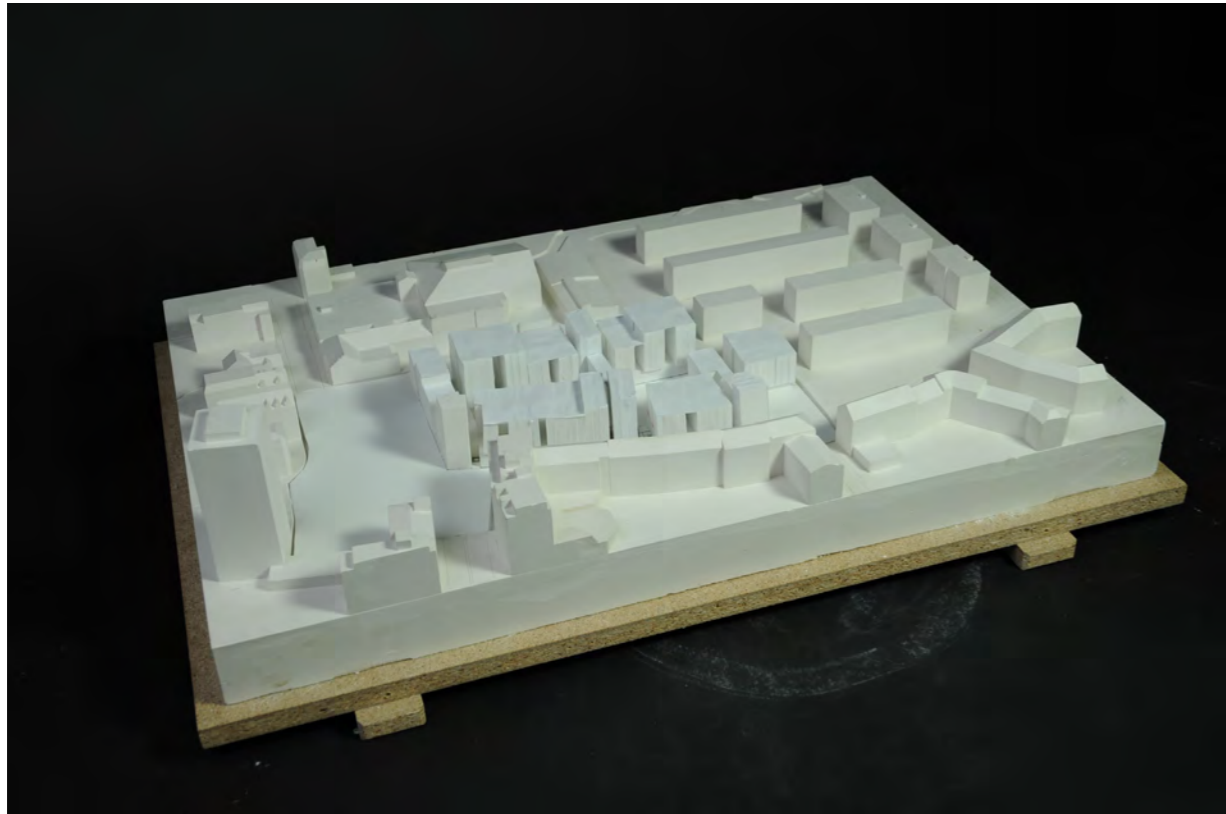
Kosuke Osawa



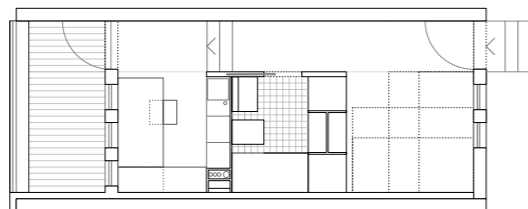
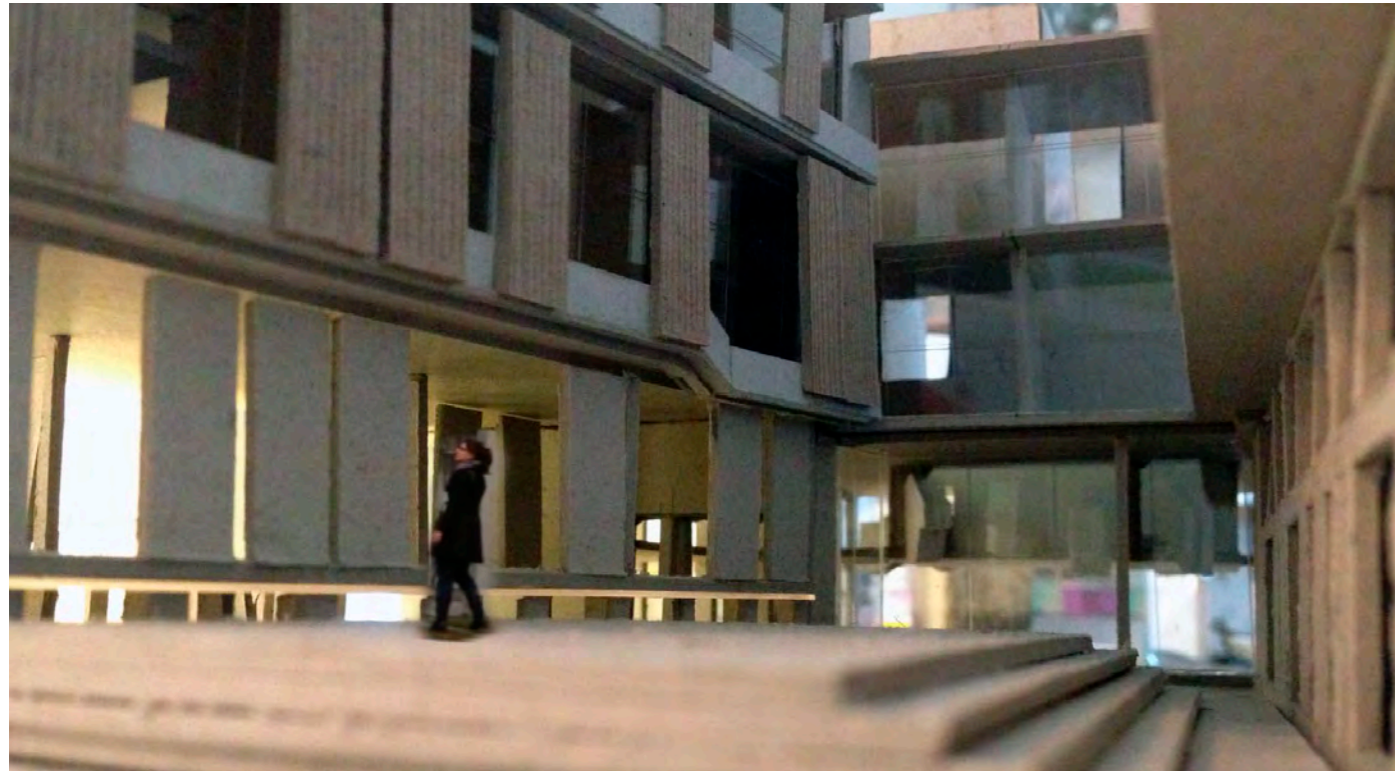
Kosuke Osawa



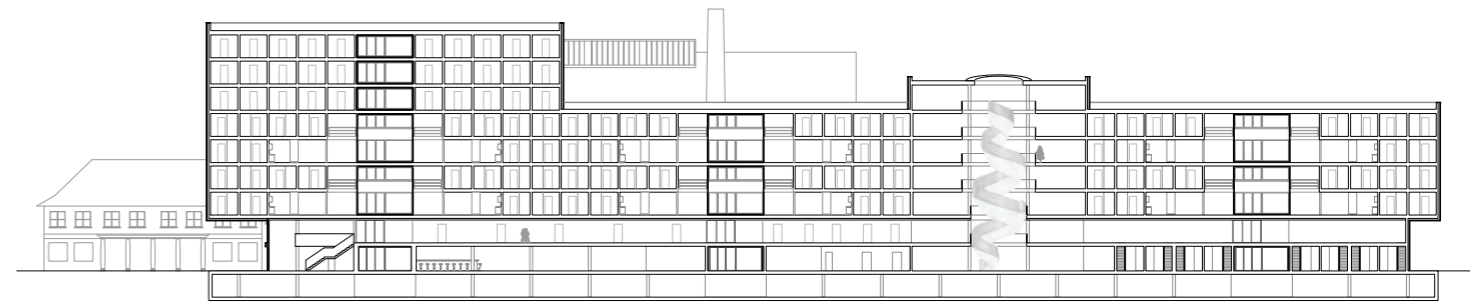
Stasia Kremer



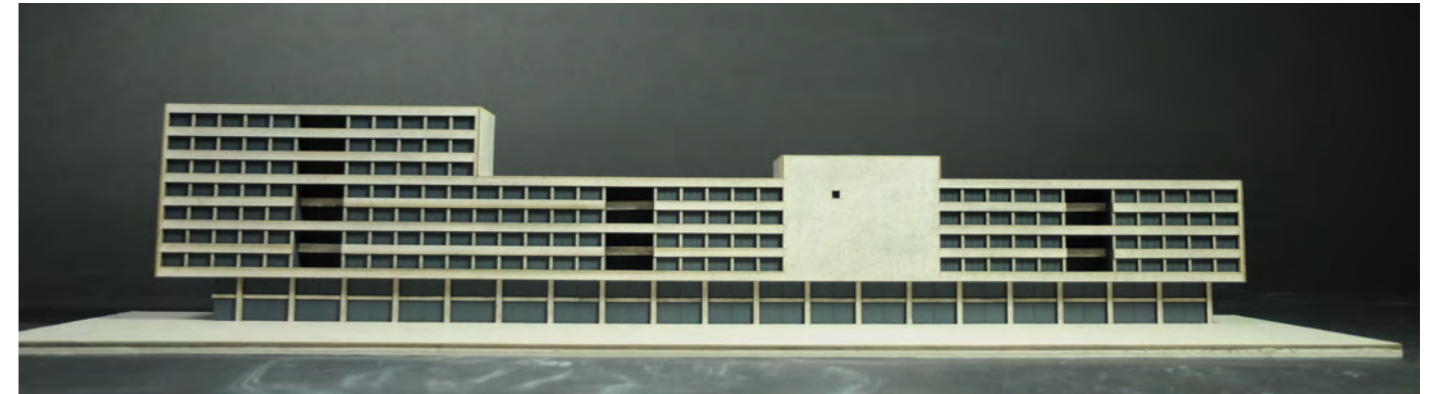
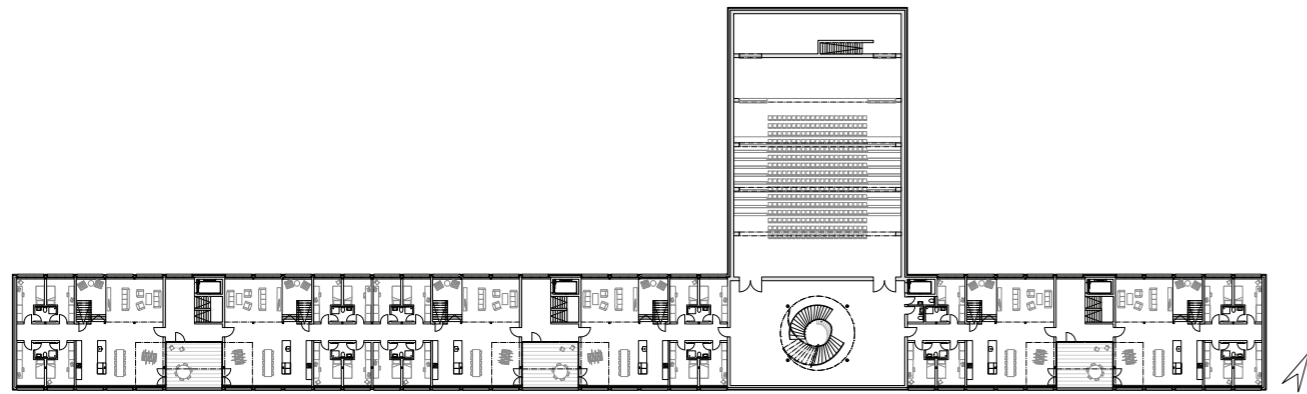
Stasia Kremer



Nils Gygax

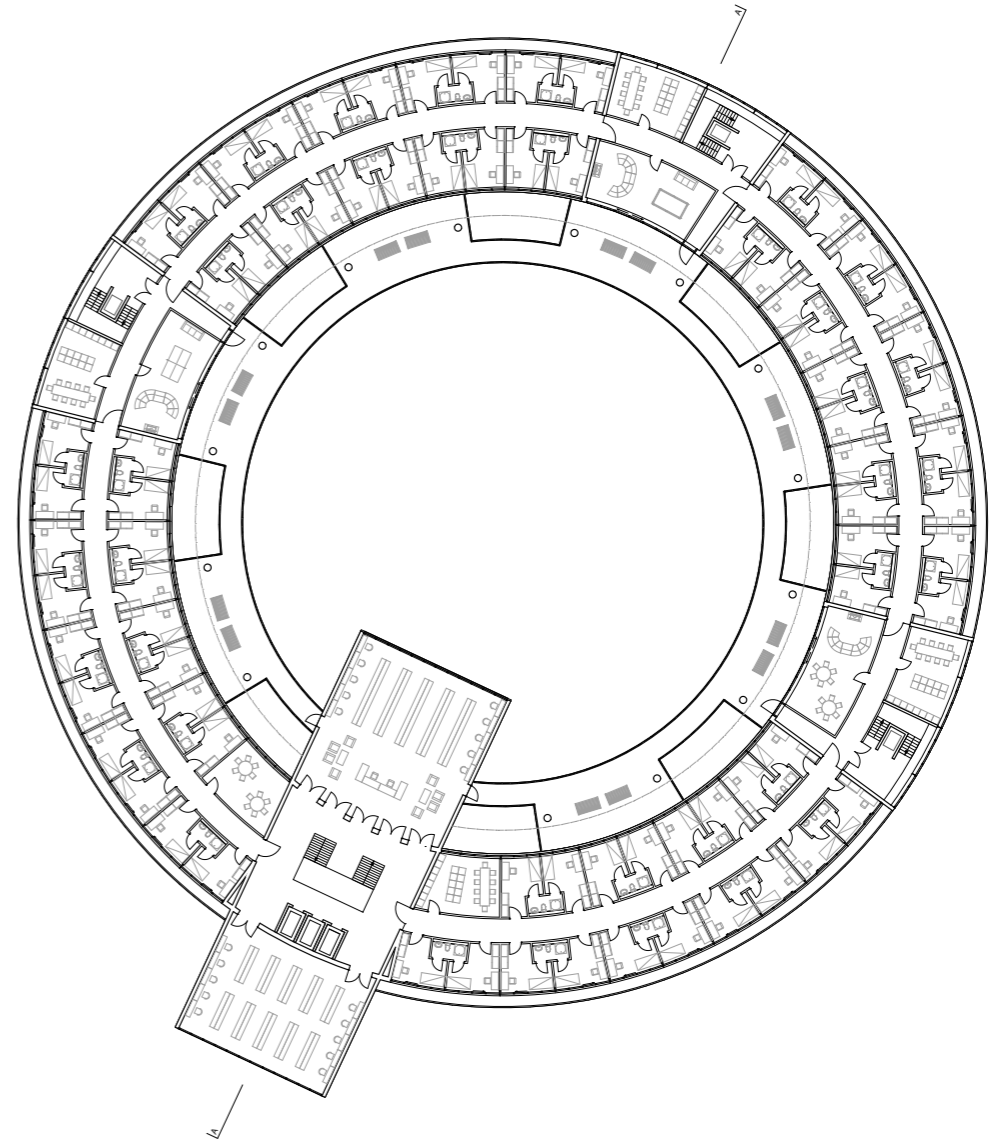


Nils Gygax

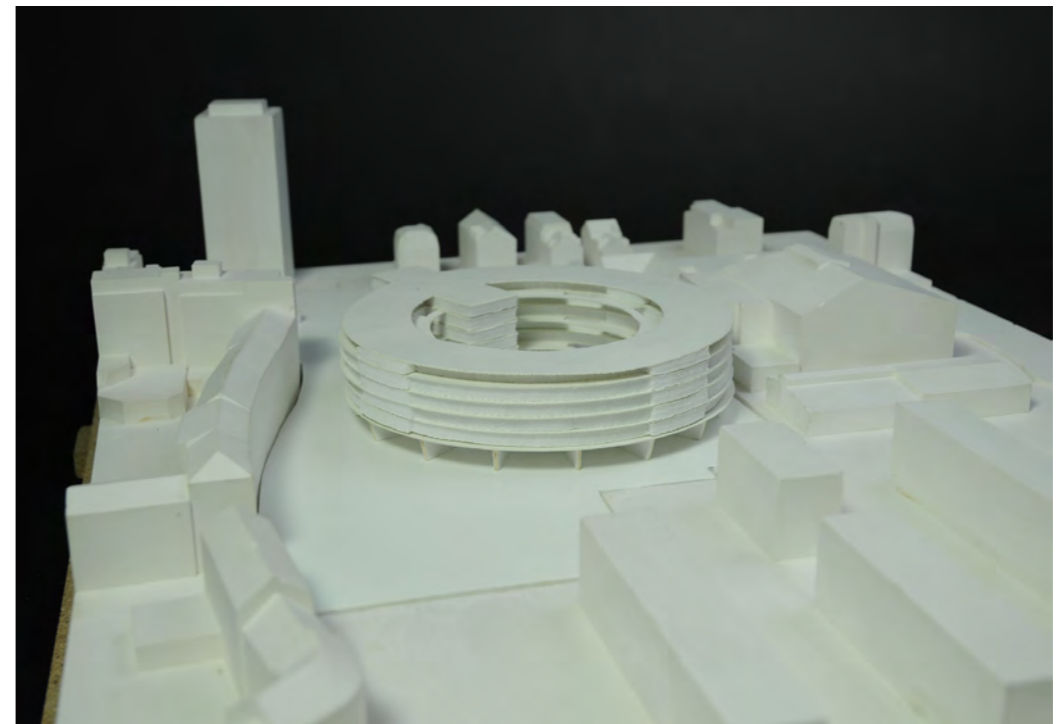




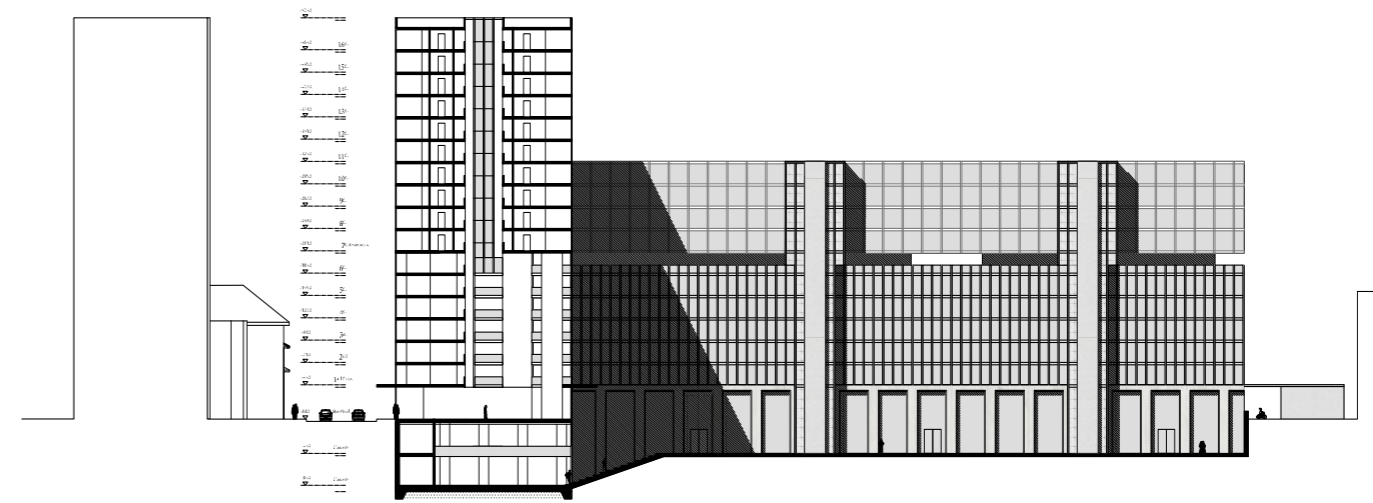
Mario Moor



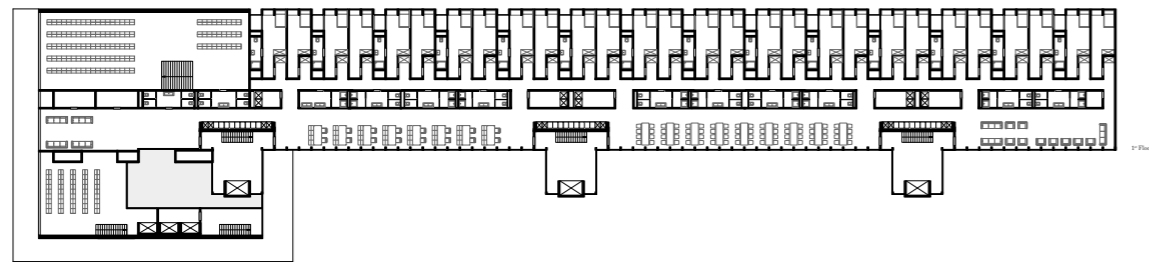
Mario Moor



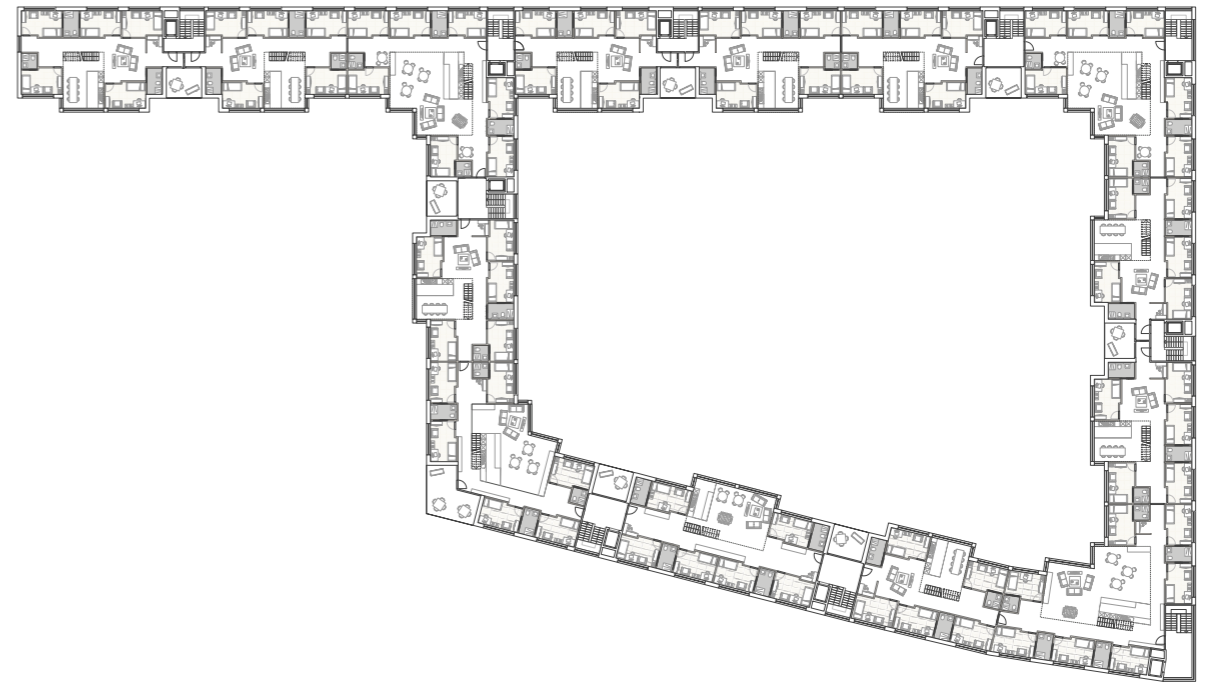
Patrick Rieder



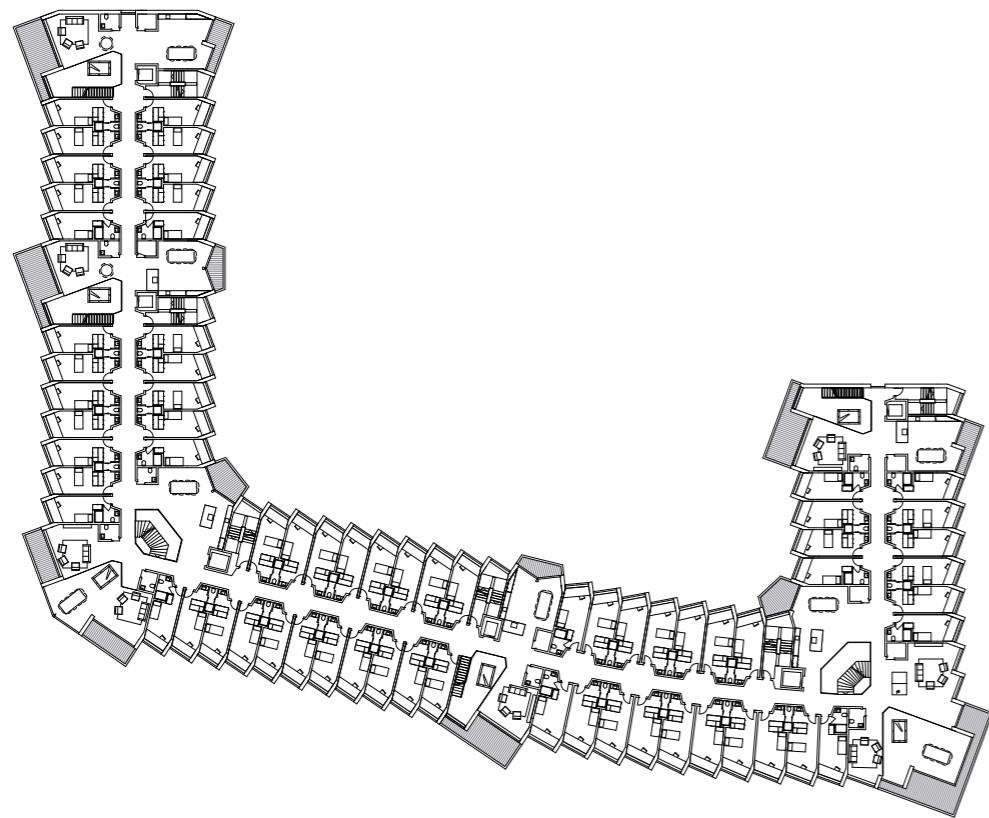
Patrick Rieder



Alexander Radulow

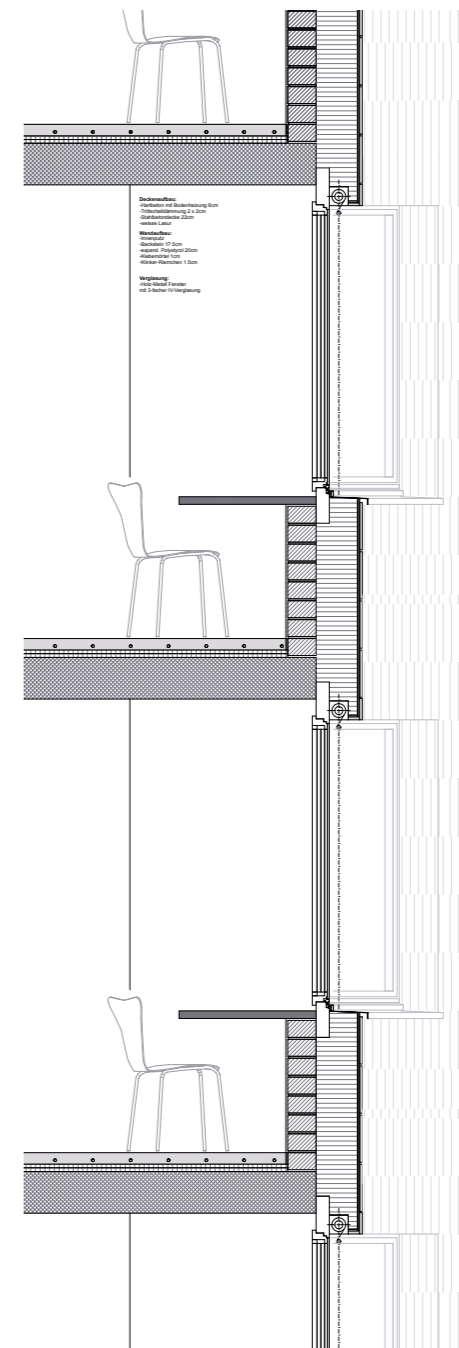


Hugo Alinho

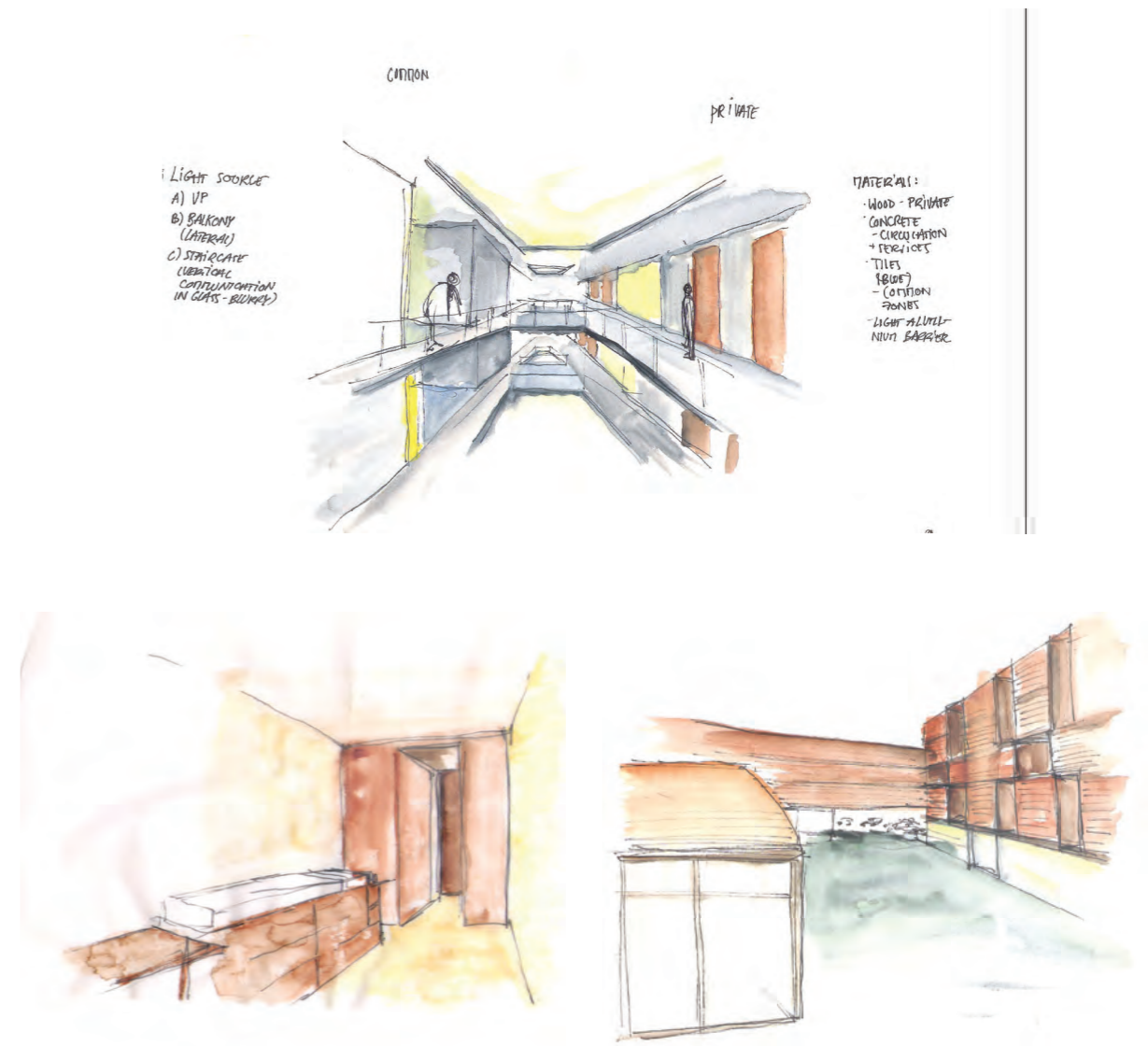




Hugo Alinho



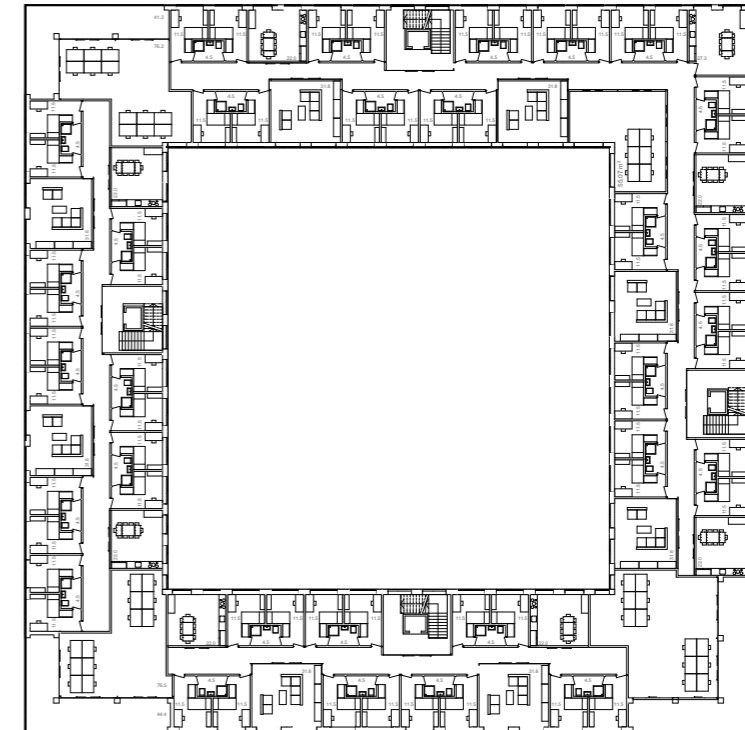
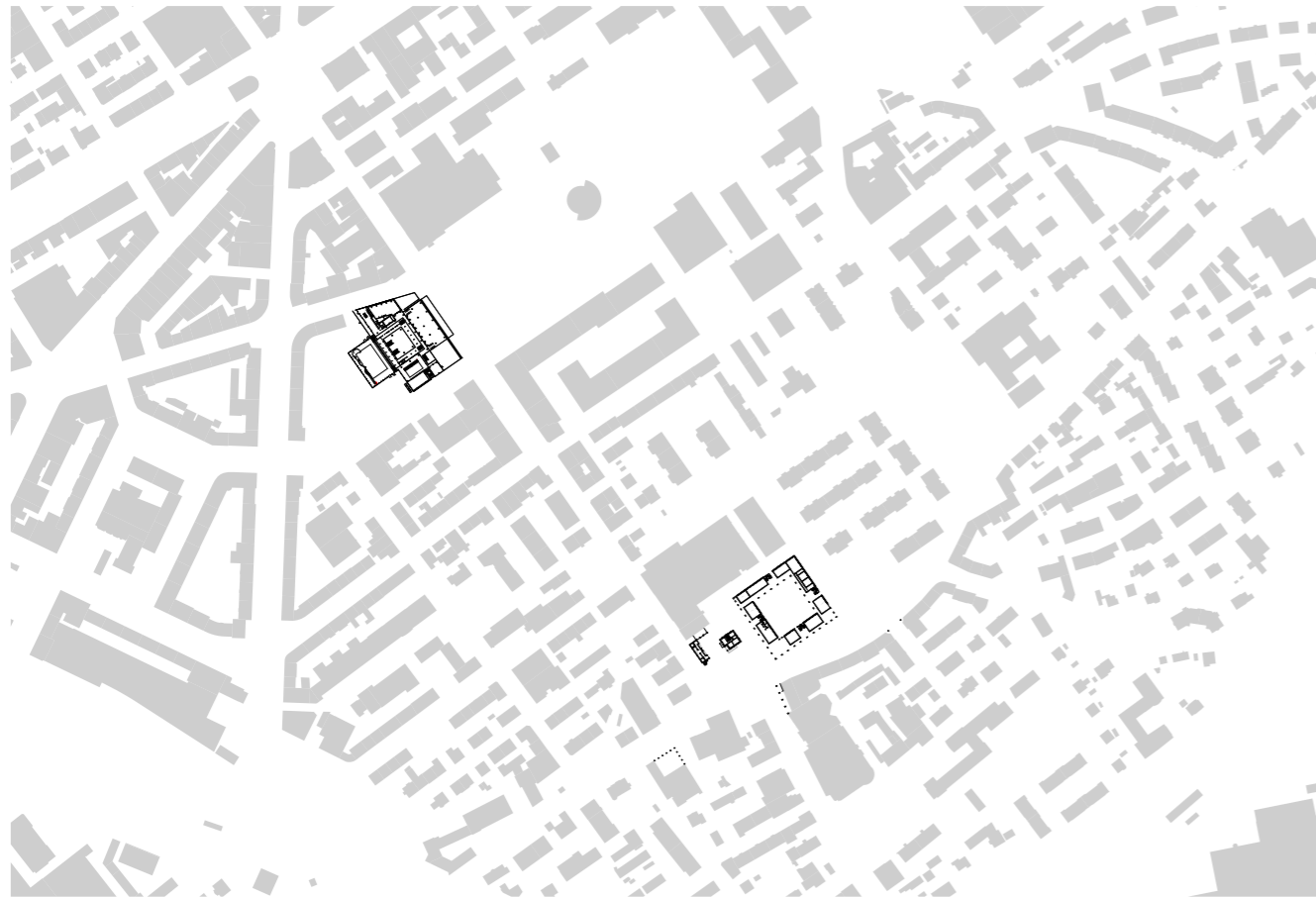
Barbara Rodrigues



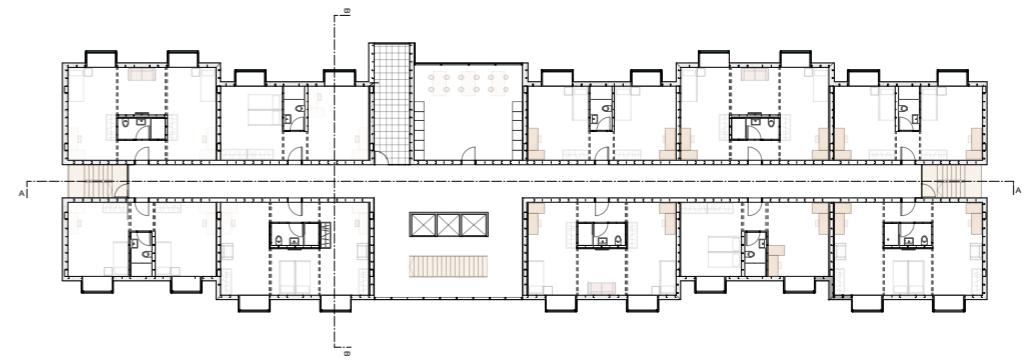
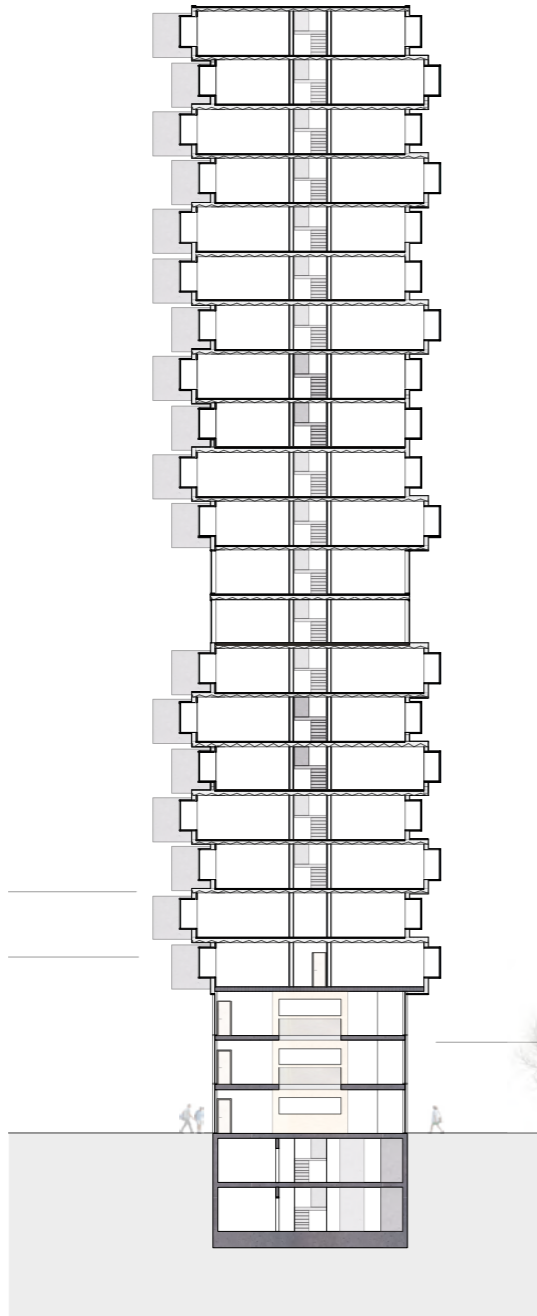
Gabriela Aguilar Ferrel



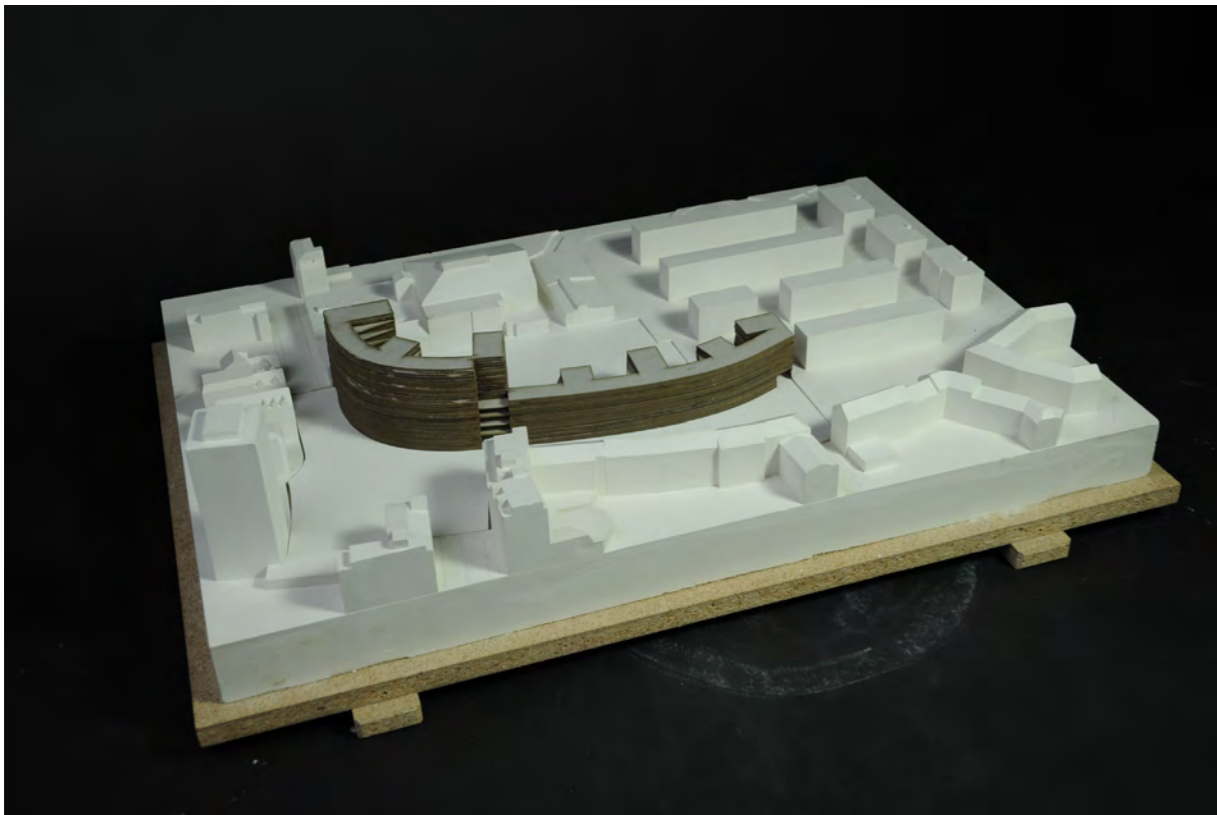
Joanna Wosiek



Abbas Mansouri



Guy Louchet

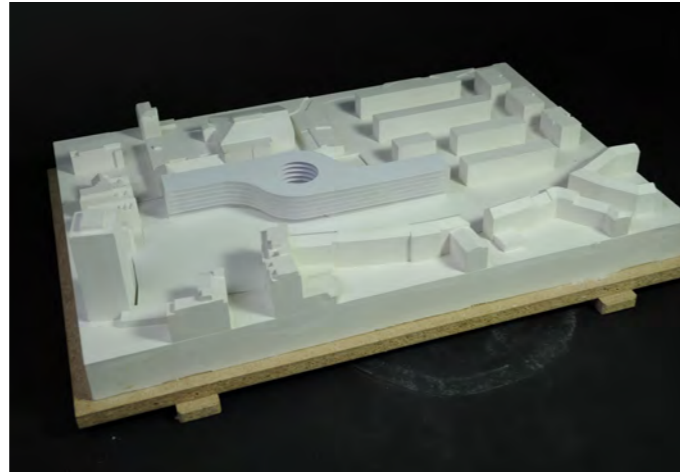


Models 1:500

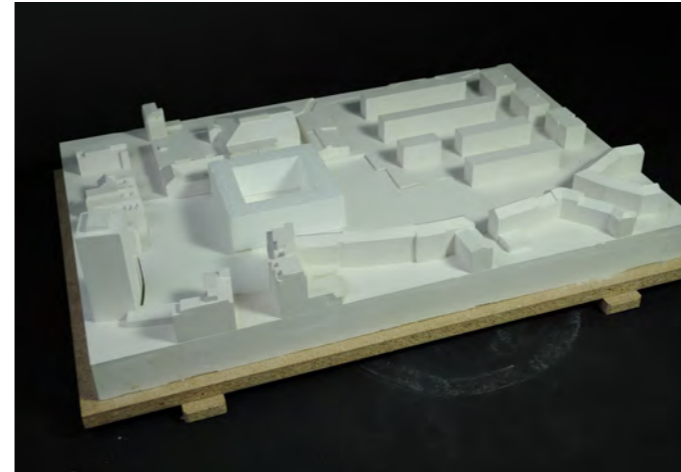
Models 1:500



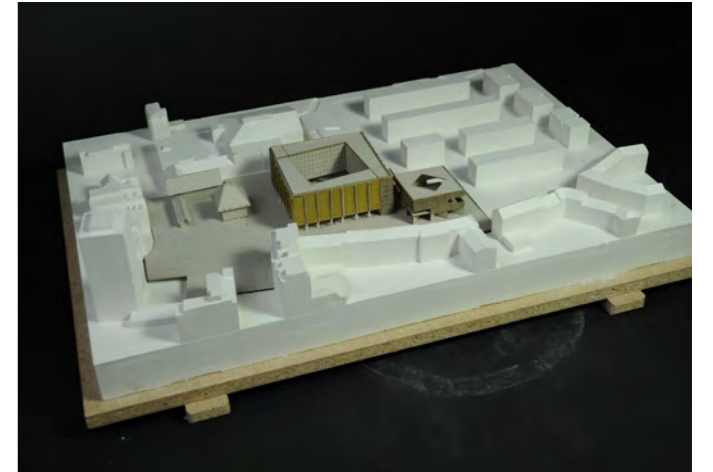
Alexander Radulow



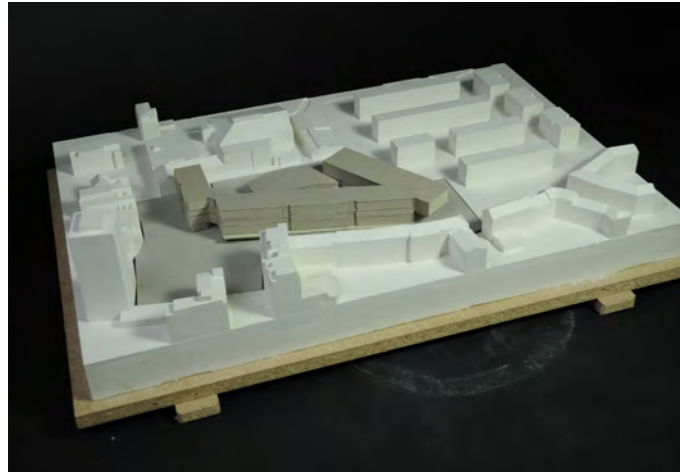
Alvina Jagant



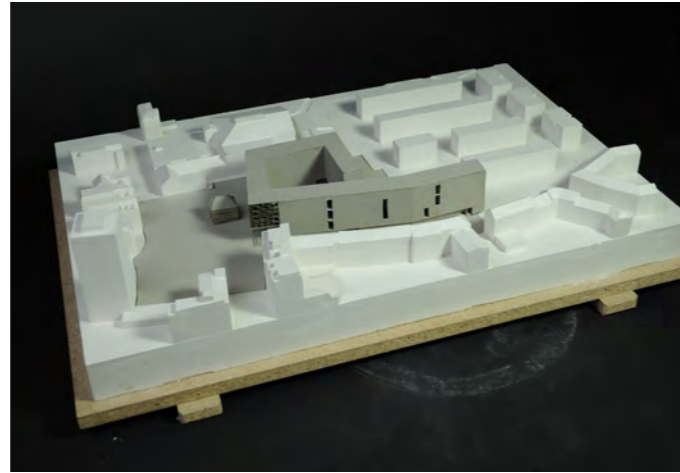
Joanna Wosiek



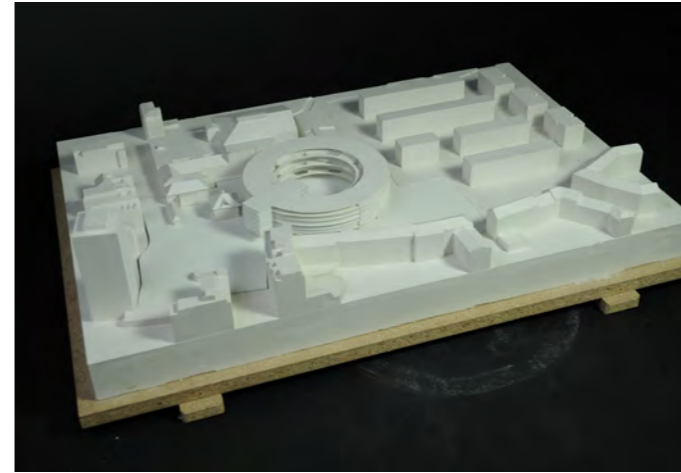
Kosuke Osawa



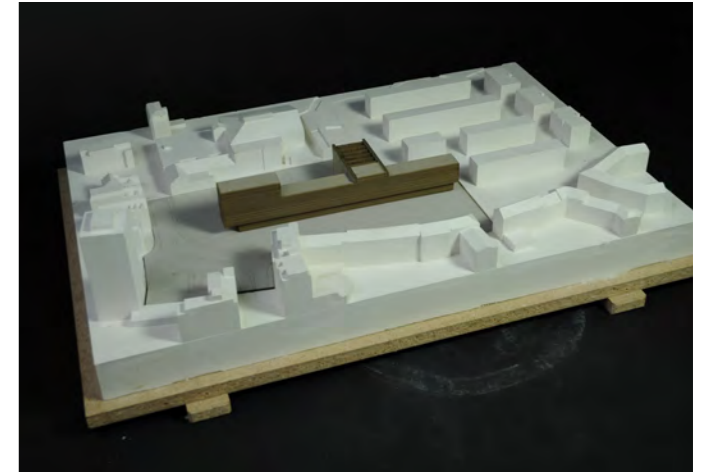
Barbara Rodrigues



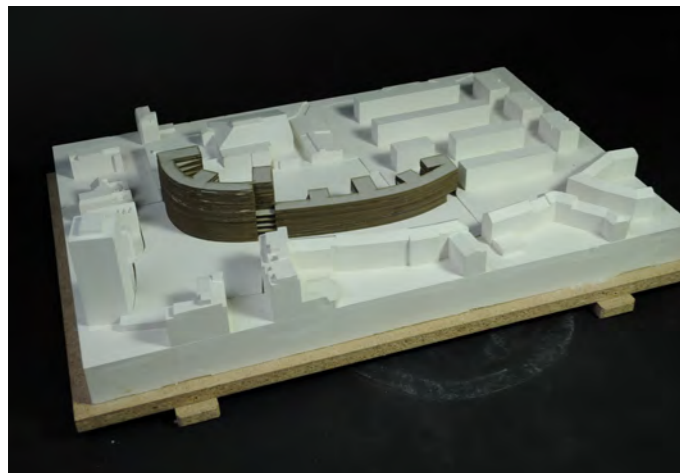
Gabriela Aguilar Ferrel



Mario Moor



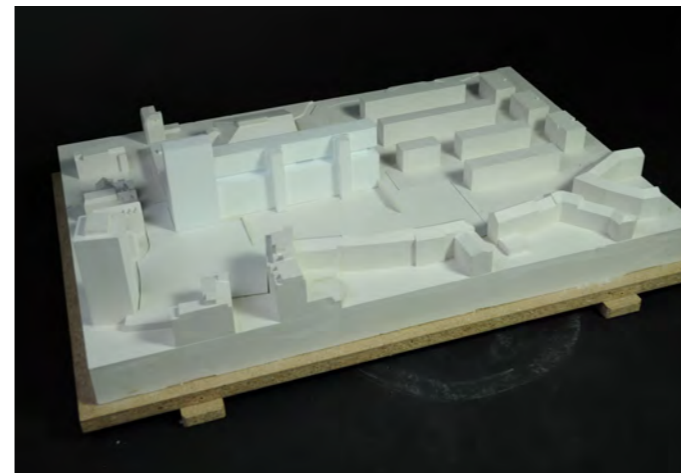
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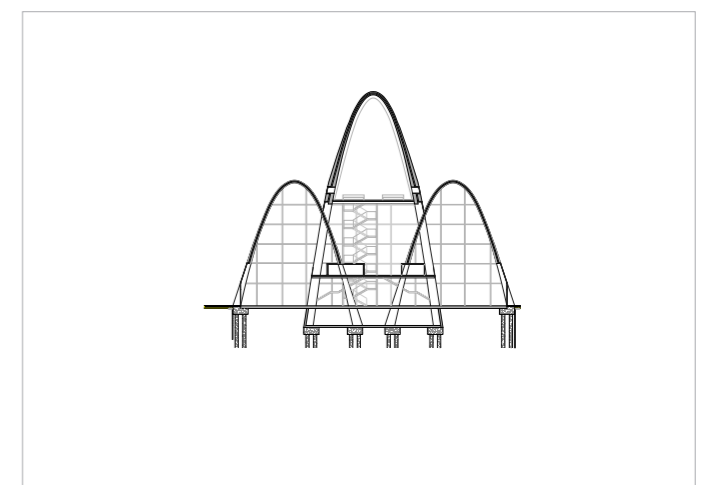
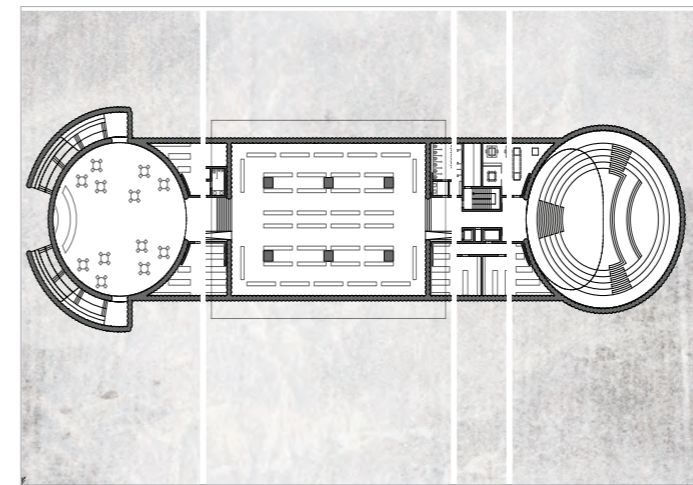
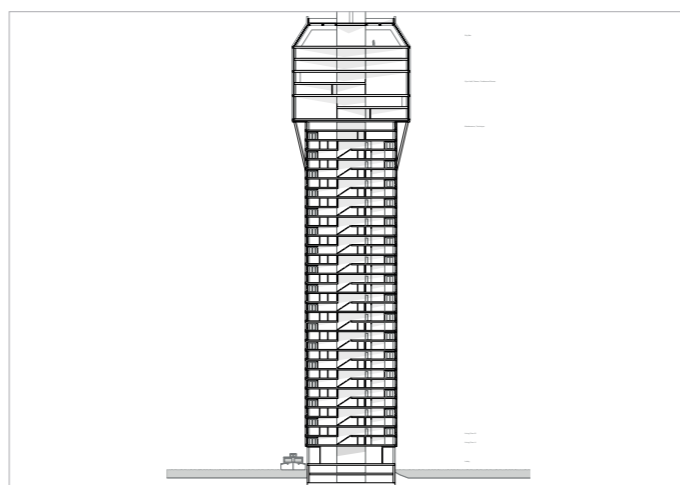
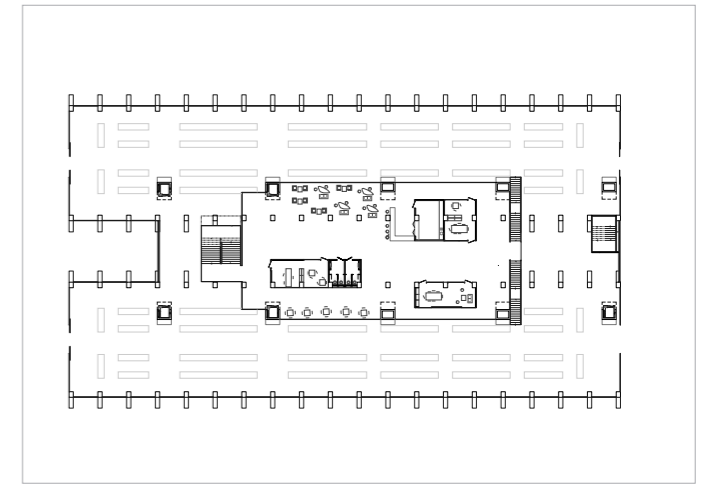
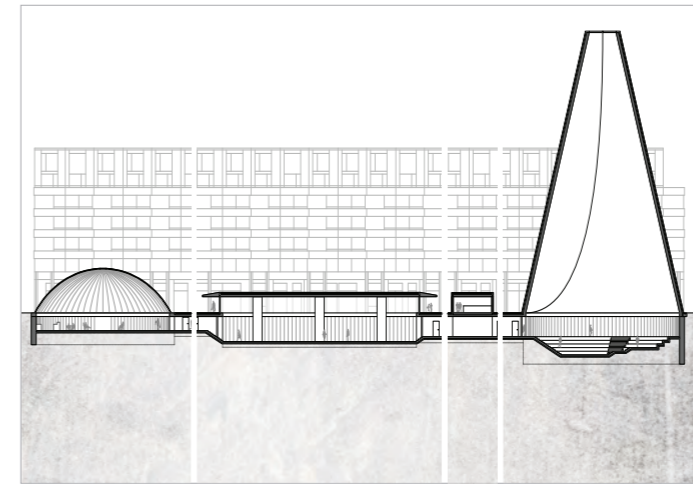
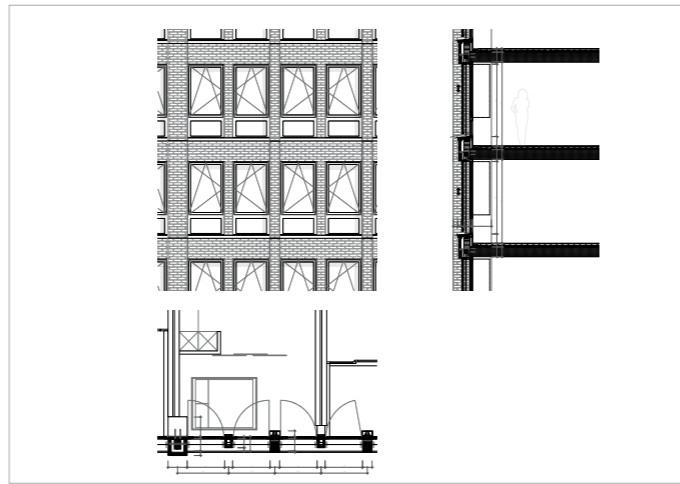
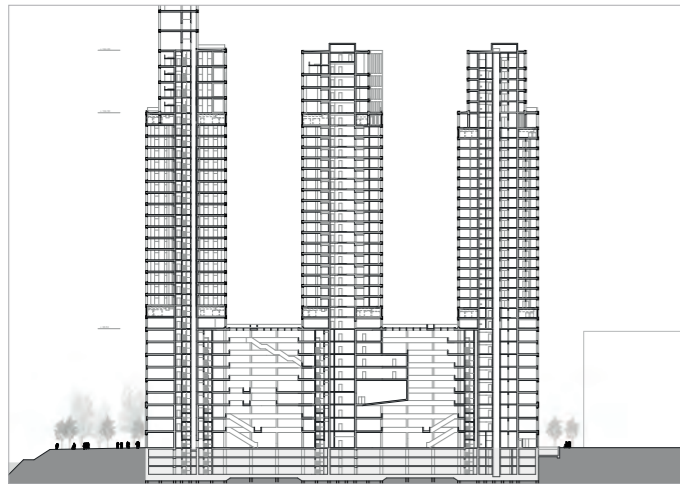
Patrick Rieder



Stasia Kremer

Studio Highrise Berlin, Fall Semester 2013

Studio Church / Market Hall Biel, Spring Semester 2014



Ondrej Havlin

Marc Kammermann

Patric Denis Huber

Andrea Soto Gonzalez



Film Still, Kosuke Osawa, 2015

CONCLUSION

Die Studierenden haben, angeregt durch die Aktualität des künftigen Campus Biel, auf dem Schnyderareal die Möglichkeiten des studentischen Wohnens untersucht. Eine Vielfalt an Konzepten und Vorstellungen für diesen städtischen Ort ist entstanden. Unsere Lehre ist undogmatisch und basiert auf klassischen Prinzipien der Lesart der Stadt und deren individuell-rationalen architektonischen Intervention für deren Entwicklung. In dieser Mischung liegt der didaktische Wert unseres Kurses, der die eigenen Ideen der Studierenden in eine tieferliegende Logik der unzertrennlich verbundenen Disziplinen Architektur und Städtebau führt.

Ursula Stücheli und Beat Mathys



Film Still, Muhammet Emin Sisman, 2015

Master Studio
Student Residence Biel/Bienne
Jointmaster Burgdorf, Fall 2014

Gabriela Aguilar Ferrel
Stasia Kremer
Alvina Jagant
Barbara Rodrigues
Joanna Wosiek
Hugo Alinho
Nils Gyax
Guy Louchet
Abbas Mansour
Mario Moor
Alexander Radulow
Patrick Rieder
Muhammet Emin Sisman
Kosuke Osawa

Ursula Stücheli und Beat Mathys
Professors AHB BFH
Markus Zimmermann
Research Associate

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Roland Frey
Thomas Gfeller
Christof Mathys
Heinz Müller
Jürg Saager
Christian Scheidegger



Bern University
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joint master
of architecture

Studio - Joint Master of Architecture - Bern University of Applied Sciences
Architecture, Wood and Civil Engineer - Burgdorf Switzerland