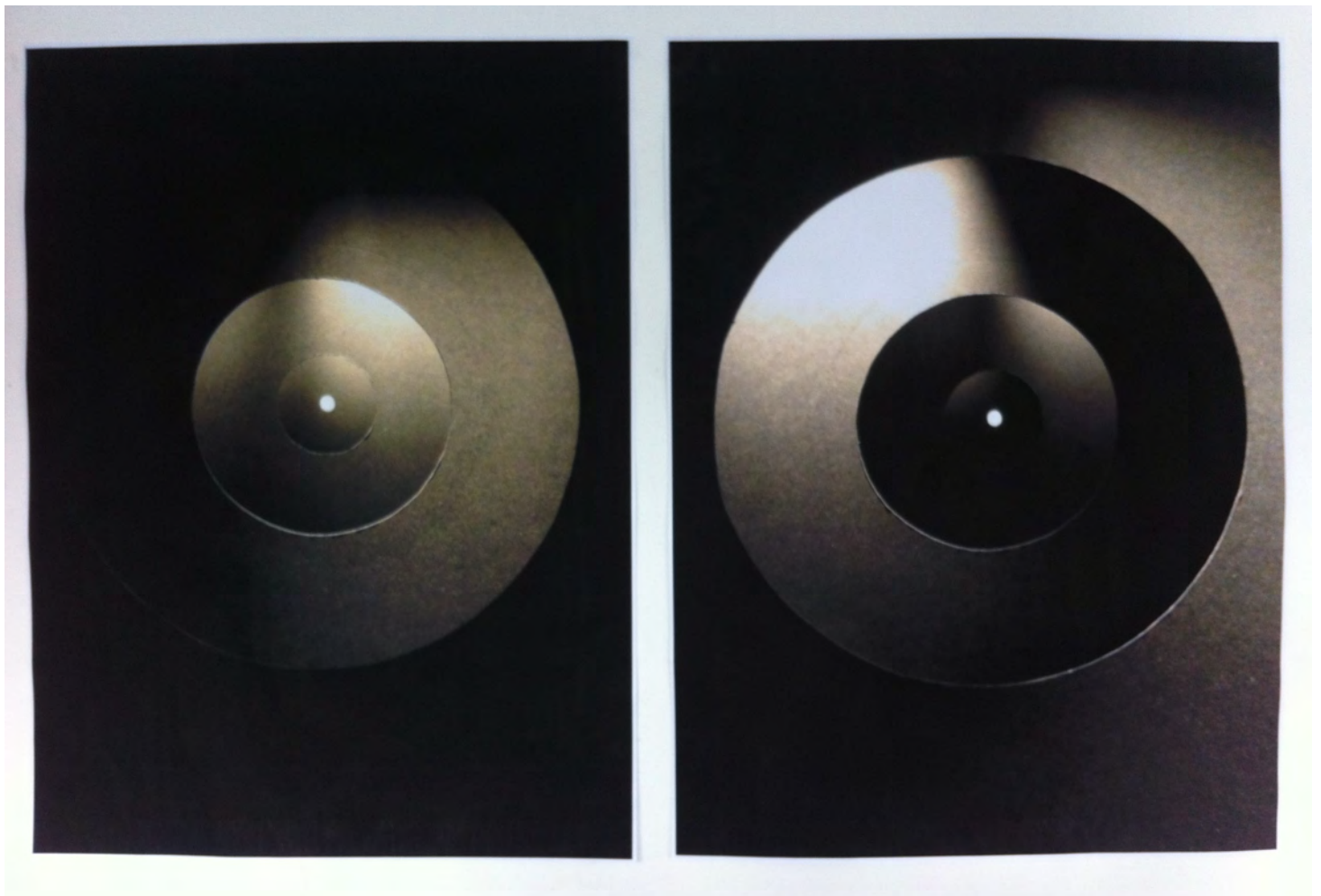


MASTER-STUDIO

PROFESSORS
URSULA STÜCHELI & BEAT MATHYS

CHURCH - MARKET HALL BIEL

DOCUMENTATION



Bern University
of Applied Sciences

jointmaster
ofarchitecture

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

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

Ursula Stücheli, Beat Mathys, Architects ETH BSA, SMARCH Architects, Bern Zurich -
Professors Bern University of Applied Sciences
Markus Zimmermann, Architect ETH, Research Associate Master Studies JMA

Front Picture: Short exercise Day/Night box, Francisca Perlorio, 2014



Short exercise Day/Night box, Andrea Soto Gonzalez, 2014

INTRODUCTION

The aim of the semester is to combine two public programs that appear contradictory, viz. a church and a market hall, into a common monumental form. This confrontation is important because the understanding of the monumental in the proper sense constitutes a fundamental issue in architecture – not as issues related to its size but as the significance and delimitation/joining of these elements with a town. Monuments in a town indeed represent places of remembrance, landmarks and symbols of social attitudes. We will survey the options that are available for translating monumentality into our times and examine the effect of this approach in relation to urban space. By way of example, we will be using the Esplanade in Biel/Bienne, which will thus benefit from this. Through the dialogue with the Convention Centre by Schlup and the planned park, the church/market hall will be a further important landmark in the “new centre” of Biel/Bienne.

CONTEXT

A new centre is being established in Biel/Bienne in front of the Convention Centre by Max Schup. Our hypothesis is based on integrating a new church-cum-market hall into the new neighbourhood, so that the park does not become too long and more life will be breathed into this part of town. In addition to the analysis of the urban space, which examines in particular the volumes and negative spaces in the urban configuration and which furthermore allows the most varied approaches (from buildings of a scenic – architectural character to tower edifices), it is also necessary to design a clear architectural-spatial-constructive concept expressing articulately the distribution of light and the impact of space. The building as monument may be but need not appear primarily adapted. Contemporary solutions are what we seek.

View on the Project Site - Esplanade Biel - Markus Zimmermann, 2014

METHOD

You will collect reference models of churches, cathedrals and market halls according to our instructions and examples. You will analyse them and incorporate your insights into your own projects. You can use a similar space you find fascinating (e.g. Chartres or Boullée's Newton cenotaph) as a starting point and transfer the character of this space onto your project. You can however also use a reference merely as an atmospheric picture, a character image and develop your own spatial concept.

With respect to city planning, please read Camillo Sitte: "City Planning According to Artistic Principles" (1889). This will provide fundamental reflections on the placement of monuments in the city and their spatial effect on their surroundings and the creation of squares.

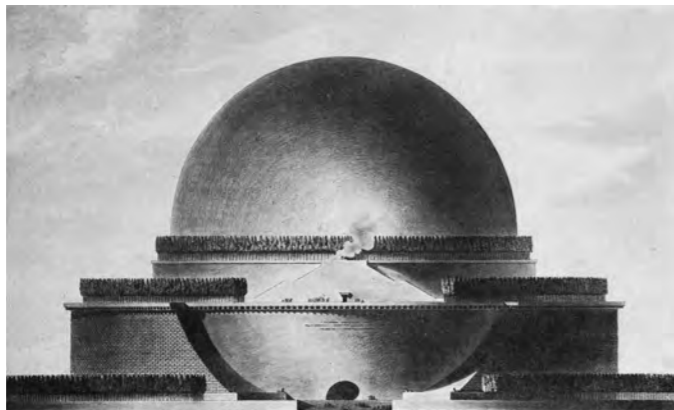
Make models of laser cardboard to check the spatial impact. We consider that it is absolutely essential to work with the spatial medium of the model in order to design architecture at its core. You should learn to understand the model as a sketch, as working model and as final model.

Integrated discipline history of architecture and theory of architecture: Claire Bonney will accompany us on a guided tour of the town of Biel/Bienne and explain the traces of its eventful history. Modern Biel/Bienne will be of particular interest to us. Tibor Joanelly will give a talk on monuments and their significance. Tim Kammasch will give a lecture on ambivalence and ambiguity in architecture.

Integrated discipline structural design: the relationship between structure and gravity will be explored from an architectonic point of view. Lorenz Kocher will give a lecture on large-span supporting structures and will accompany the projects during critical discussions. The interaction of supporting structure, light and space is a central part of the task.

PROJECT

Design a church that is simultaneously a market hall. You are free as to the spatial form the relationship between both programs can take. The aim is to synthesise the diversities and commonalities of two nearly antagonistically different programs like yin/yang into a higher entity. Widely different approaches can yield spatial and architectonic solutions. Explore these possibilities, search for references of similar building types and convert your insights into your project. Greatest care is to be given to the distribution of light and the use of materials.



Cenotaph for Isaac Newton, Etienne Louis Boullée, 1784

SHORT EXERCICE DAY/NIGHT BOX

Take a nice stable shoe box, paint it black, perforate it in order to let in light and design the inside of the box as a sacred space freely according to your own ideas. Make a smartphone video with different lighting situations (bright, dark) and print two good stills on an A1 sheet. The sculptural interplay of space and light and built-in elements as well as the dramatization of it, is to be given highest priority.

The aim is to create a mystical and fascinating inside space that cannot be defined by means of banal images. Choose a reference from a sacred building you know and explain to what extent you have incorporated/transformed this reference into your own box project.



Short exercise Day/Night box, 2014

SITE



Geo data, Senate Department for Urban Development and the Environment

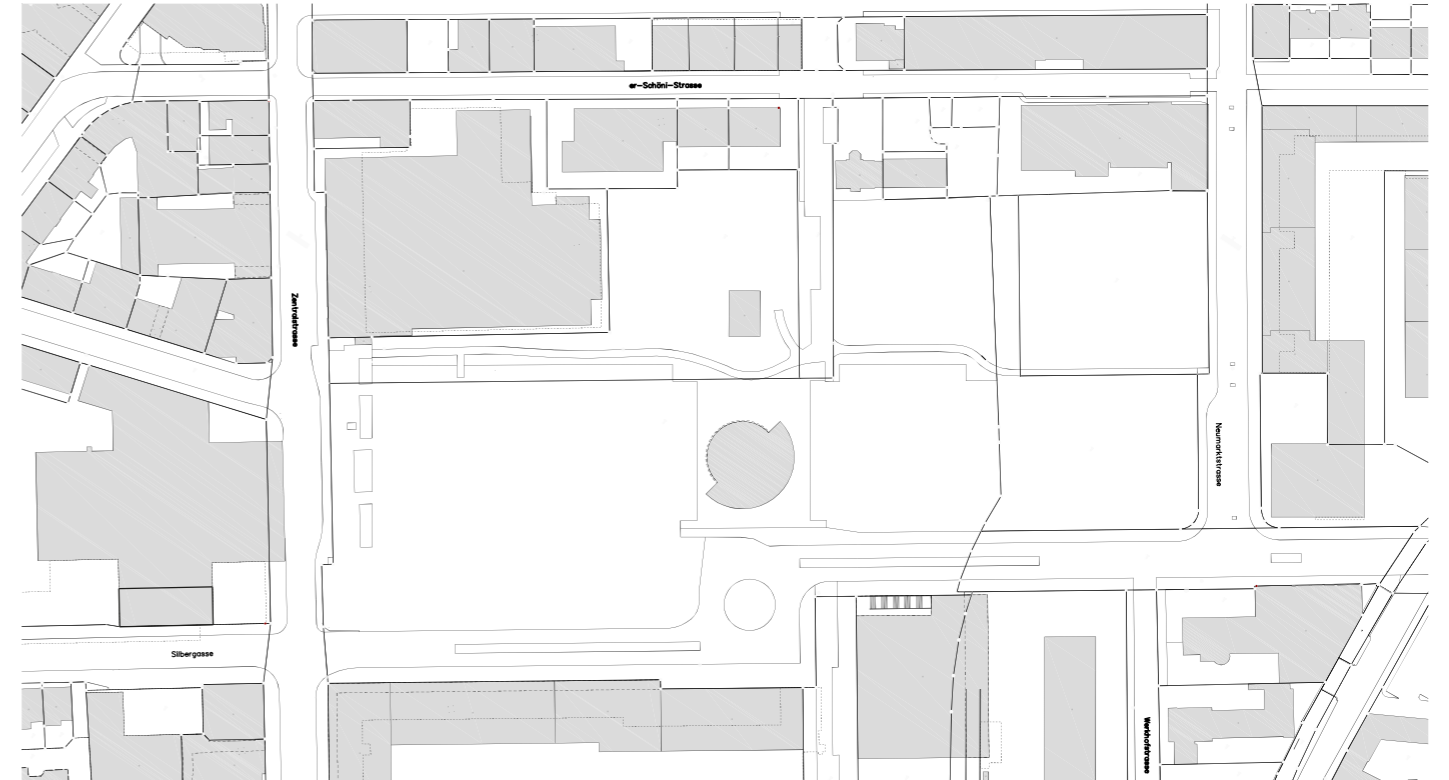




Esplanade Biel, Photocredits Markus Zimmermann, 2014



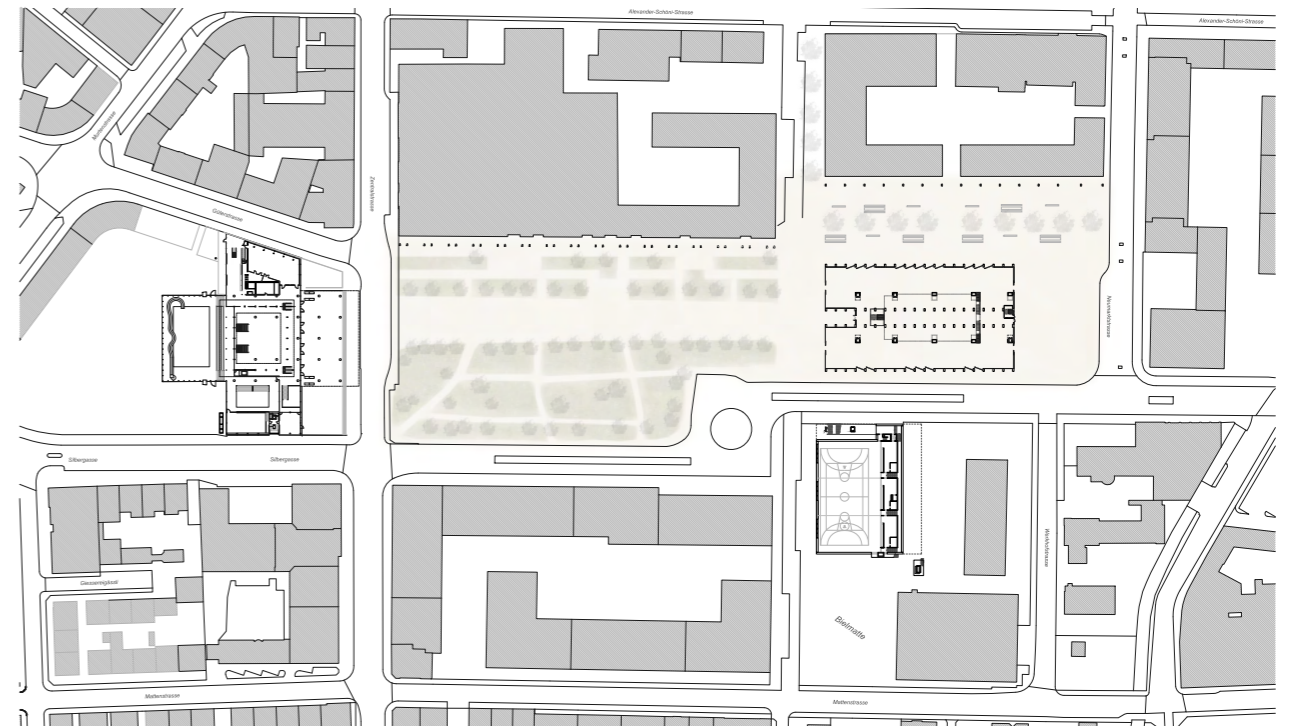
SITE



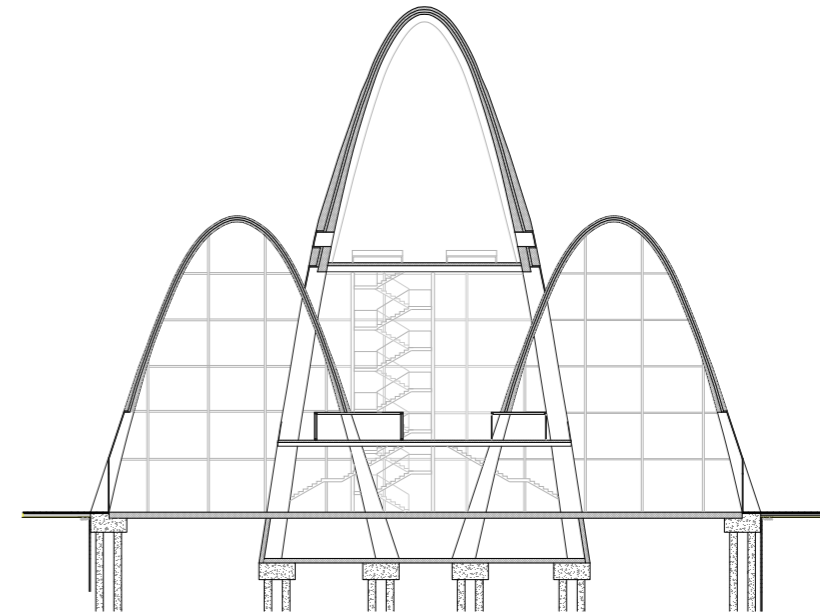
Municipality Biel, Department of Infrastructure, Surveying, Scale 1:2500



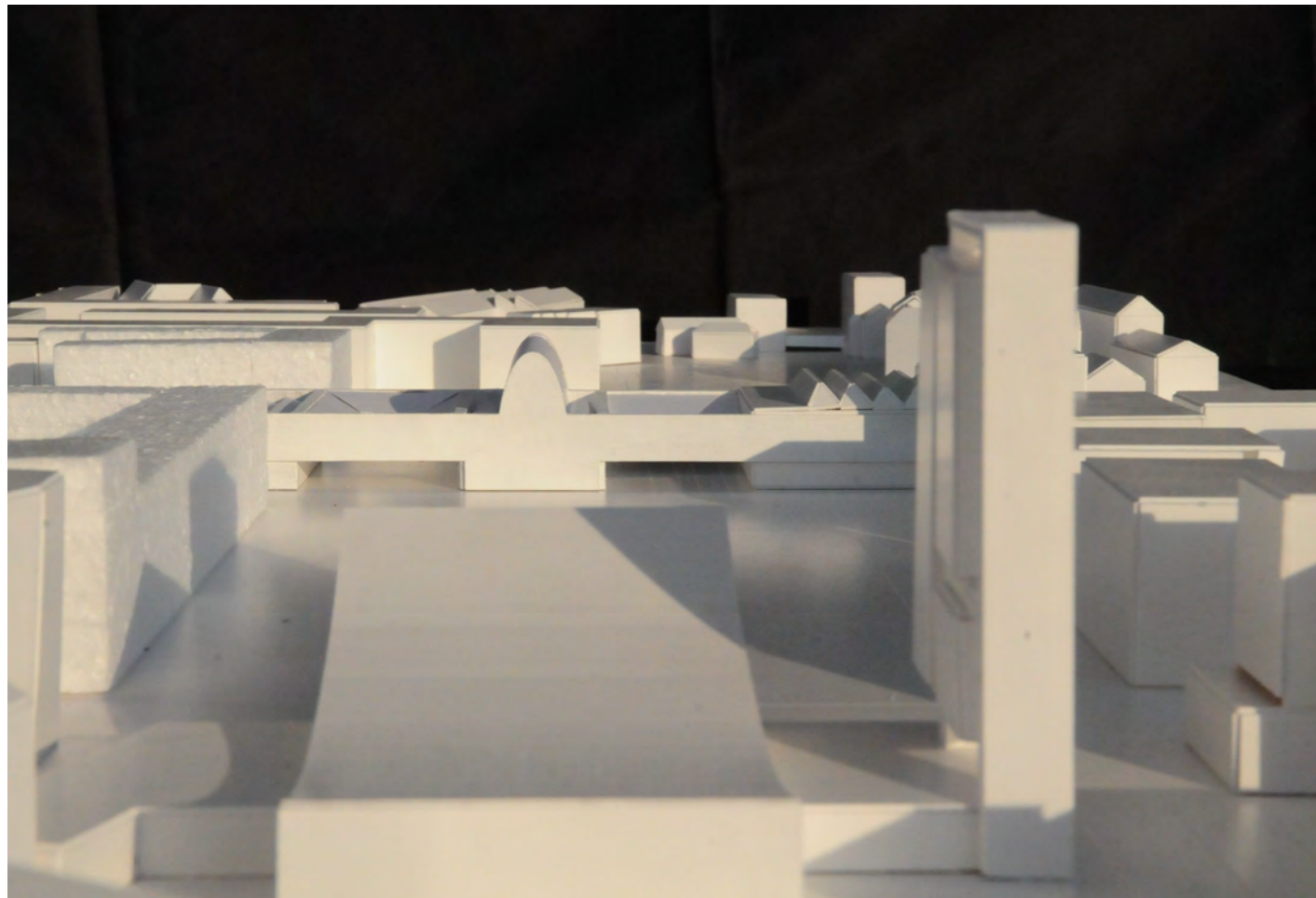
Andrea Soto Gonzalez



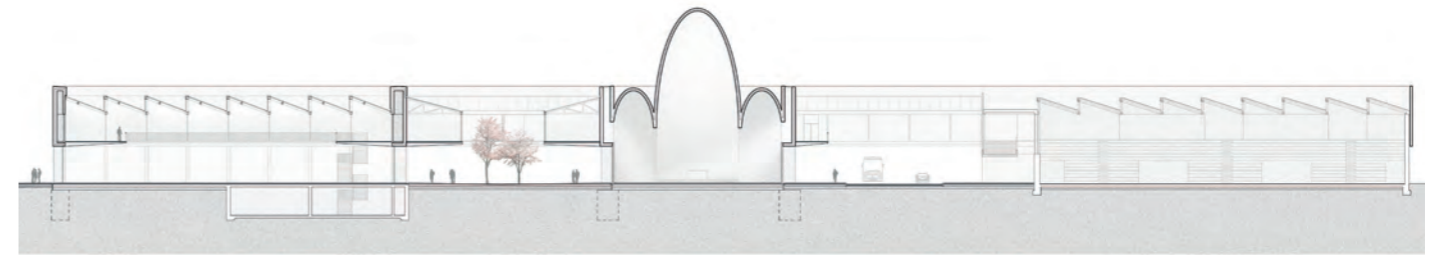
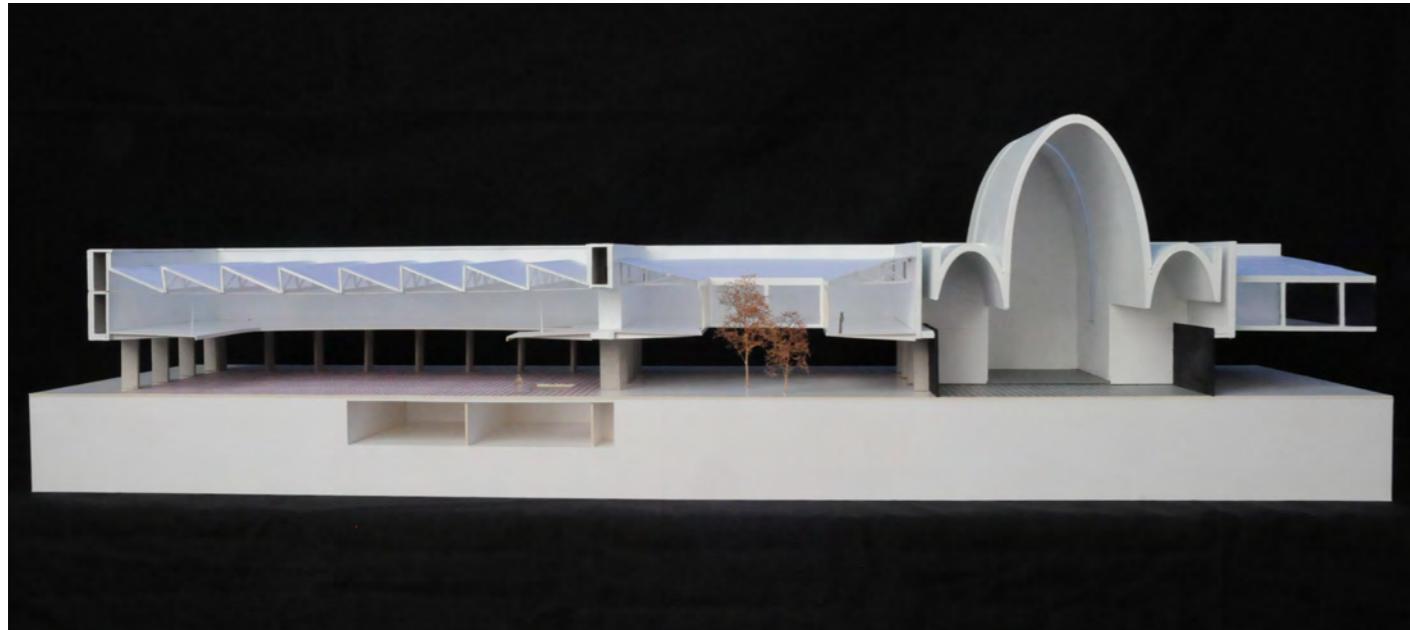
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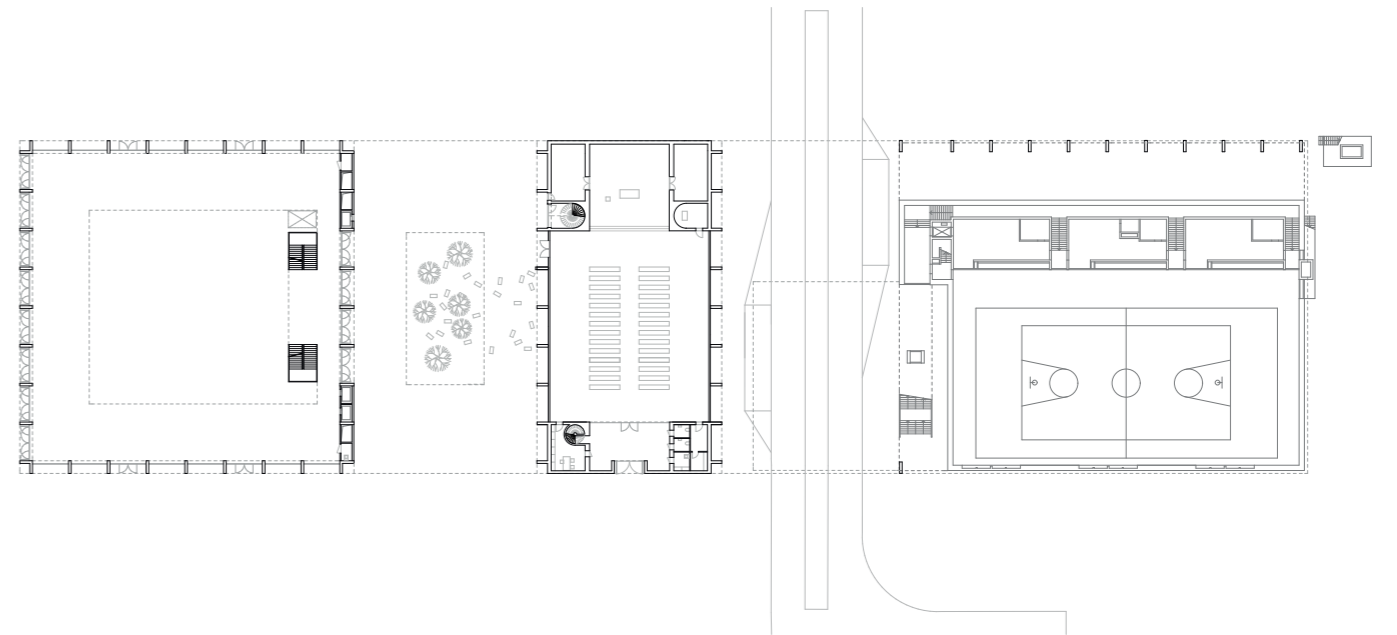
Ondrej Havlin



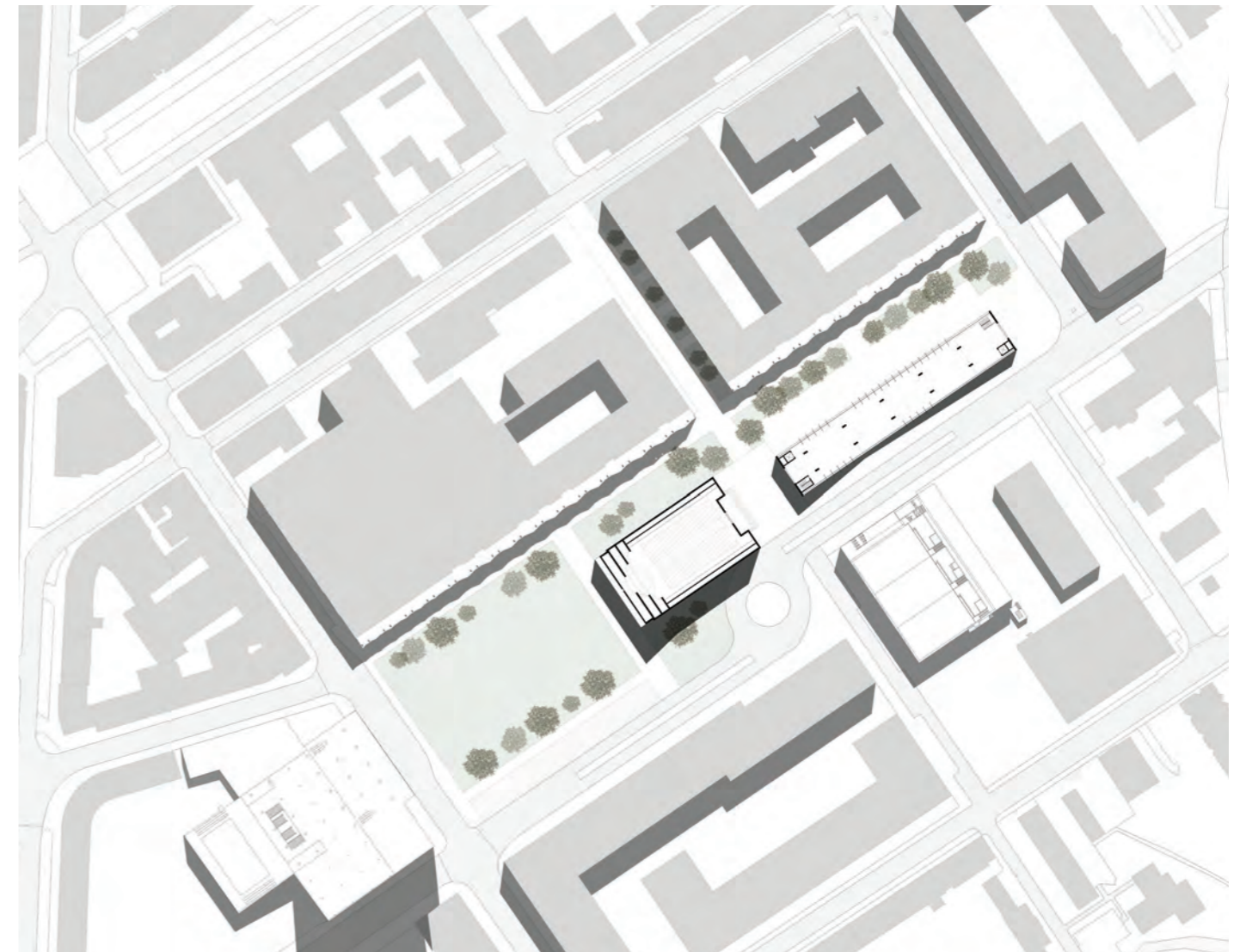
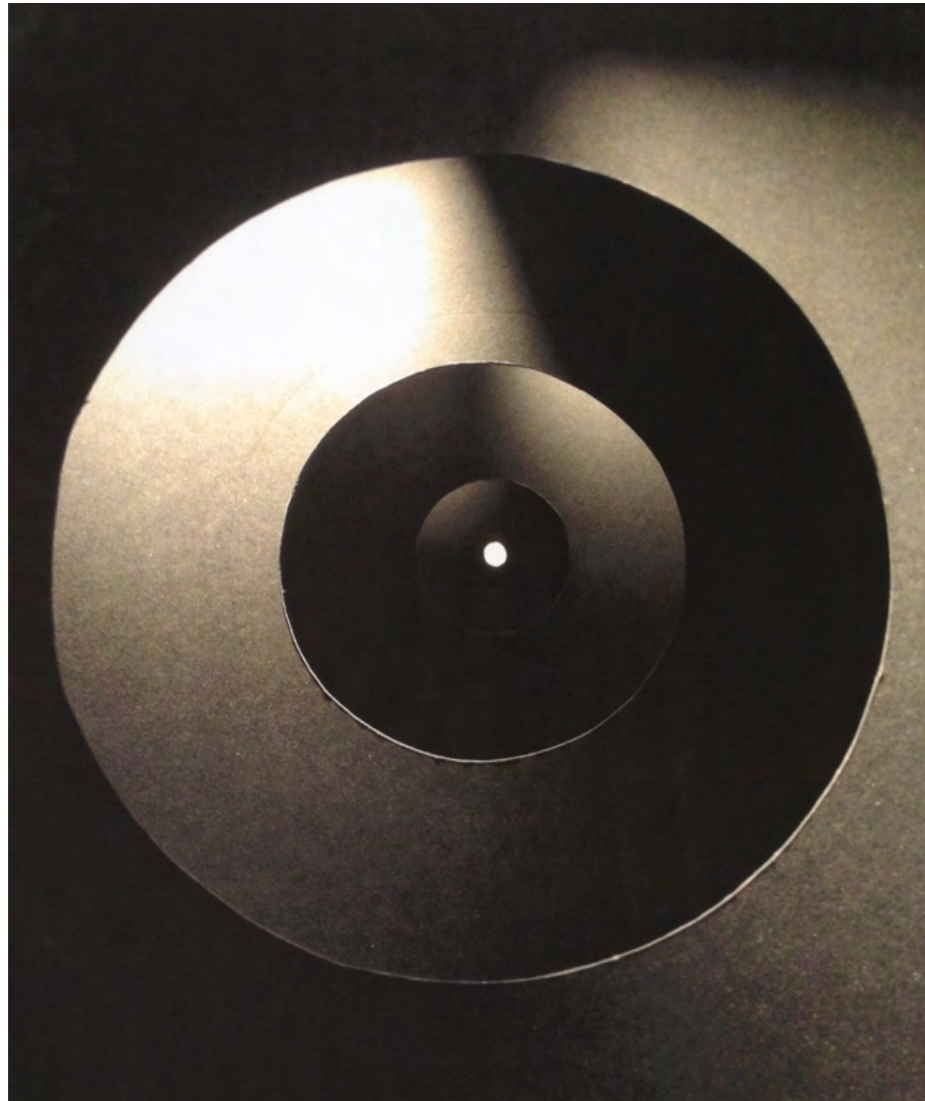
Ondrej Havlin



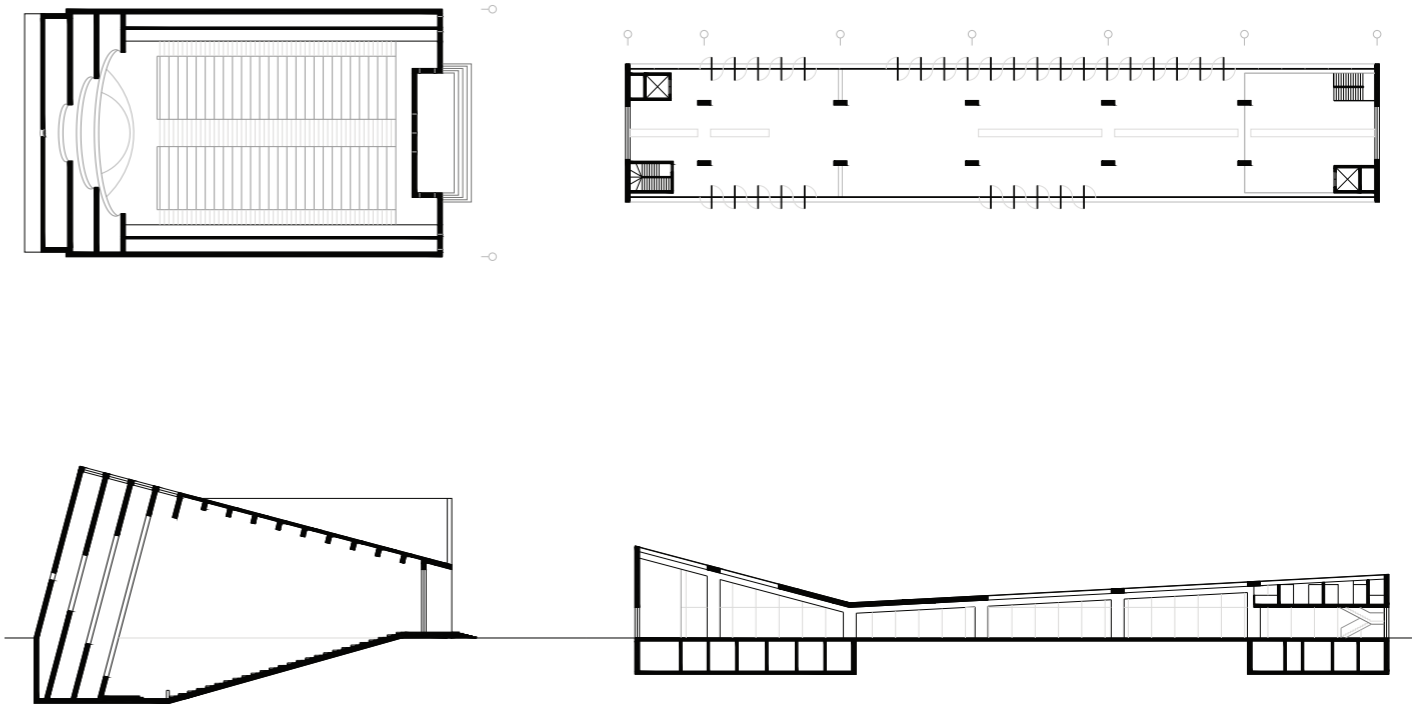
Ondrej Havlin



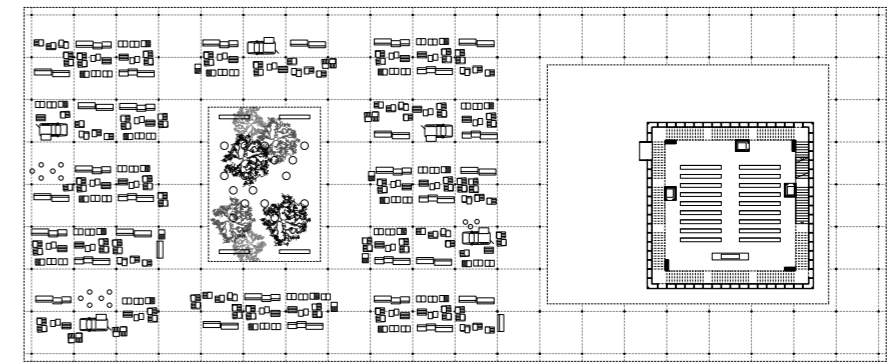
Francisca Perlorio



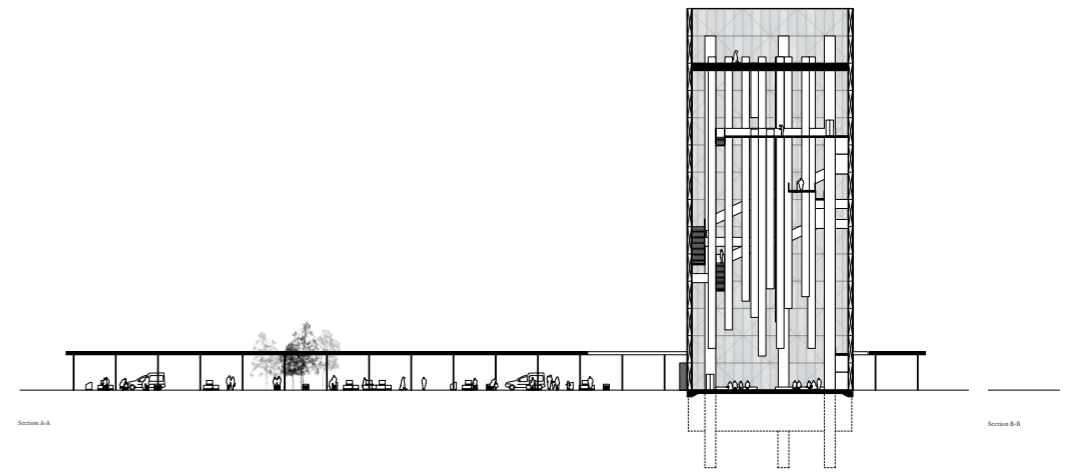
Francisca Perlorio



Guillaume Baezner

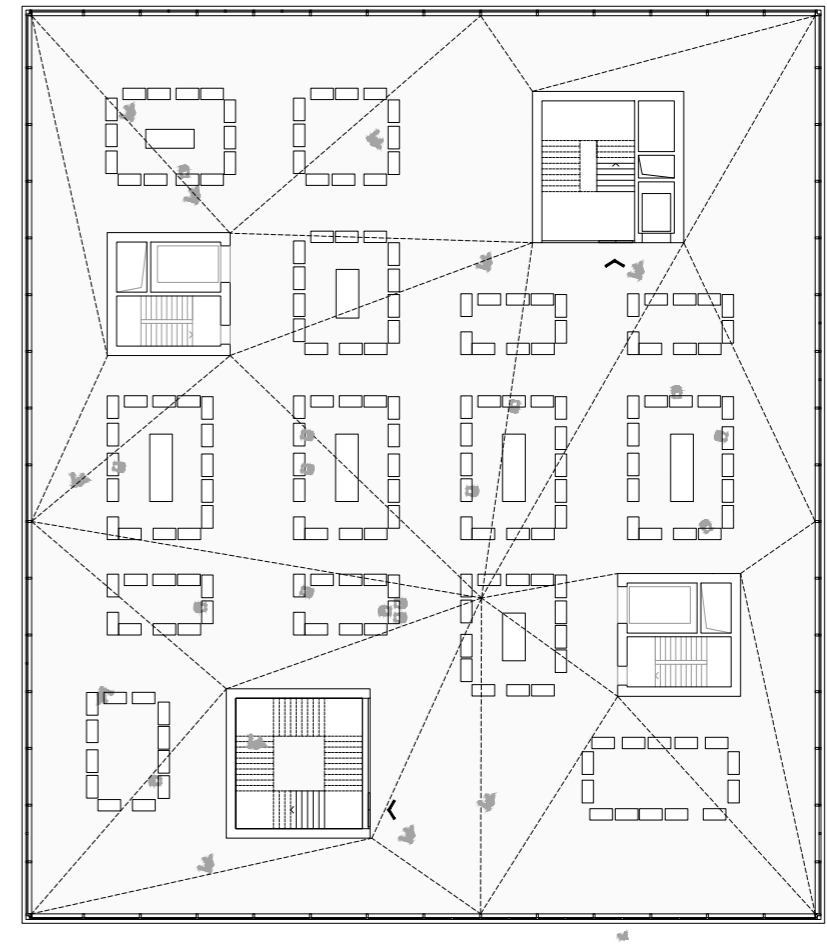


Guillaume Baezner

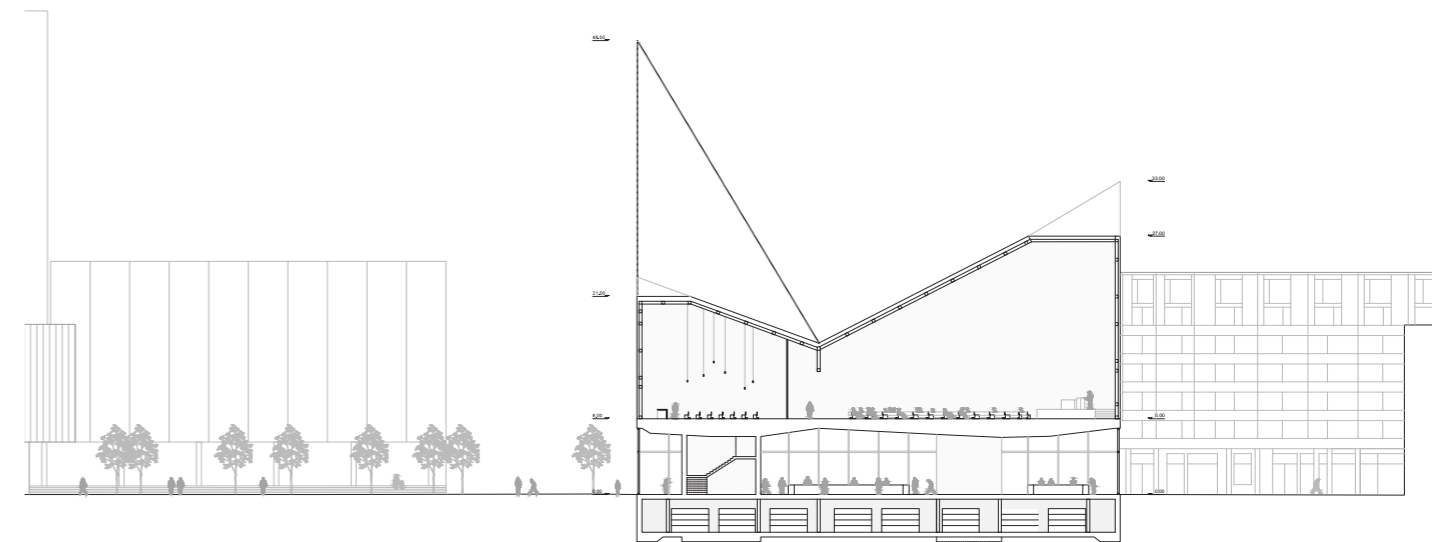




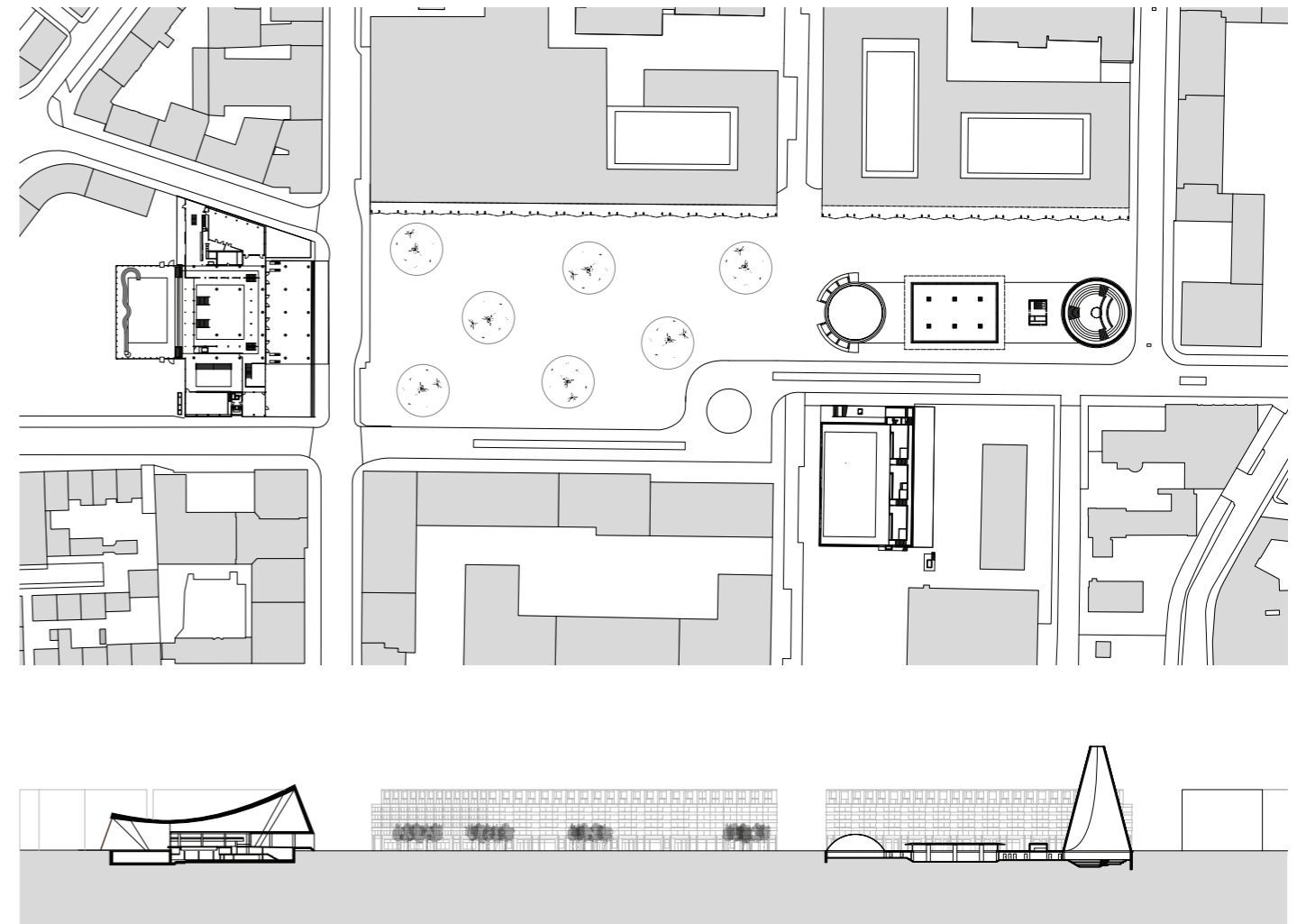
Gabriel da Costa Pinto



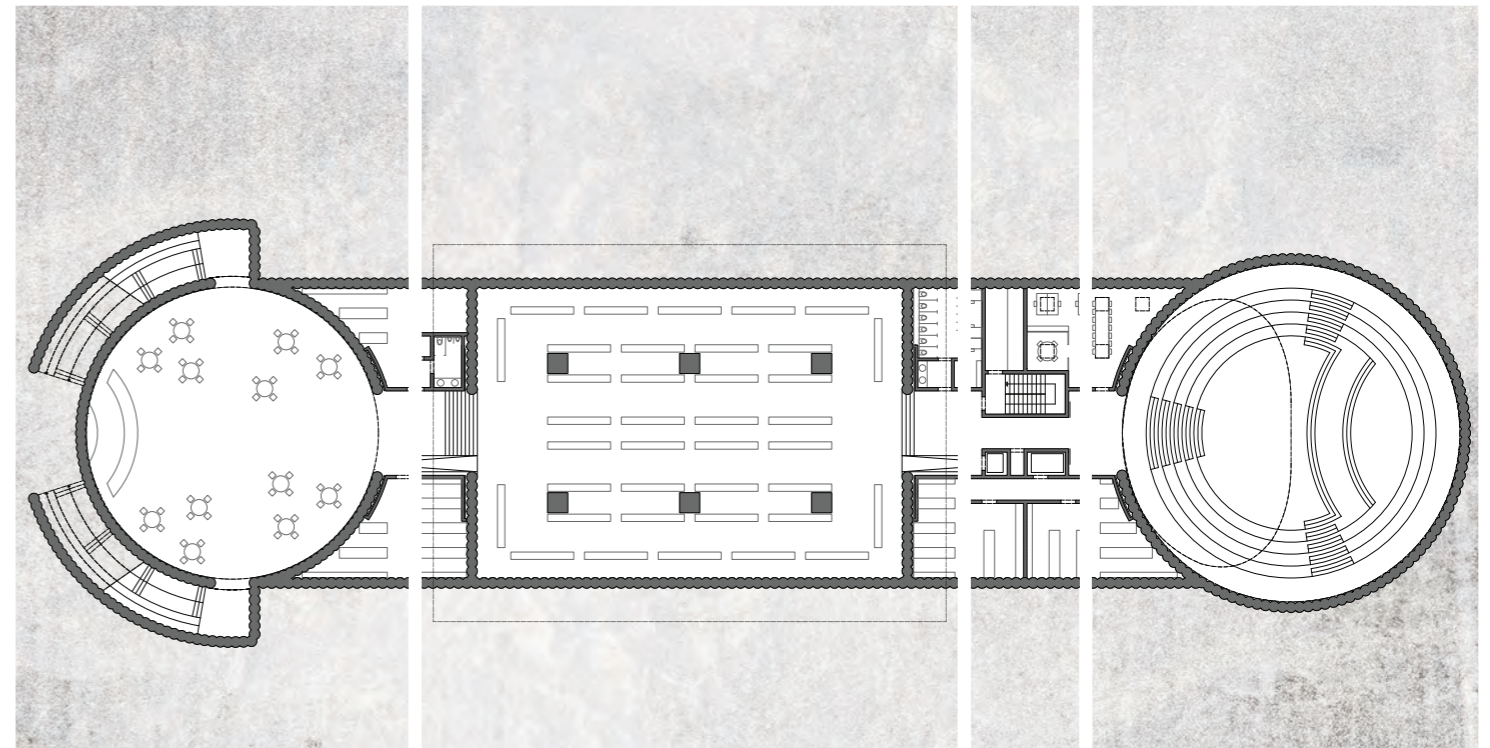
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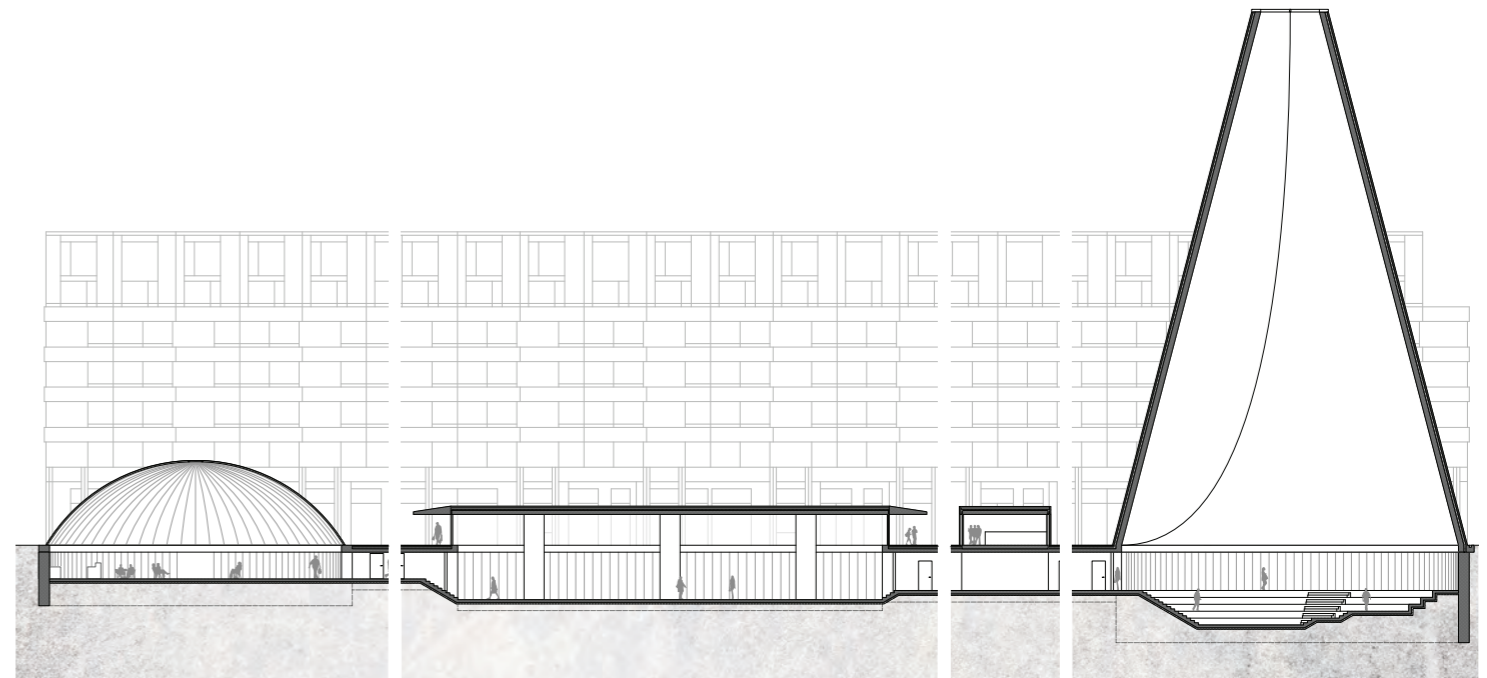
Patric Huber



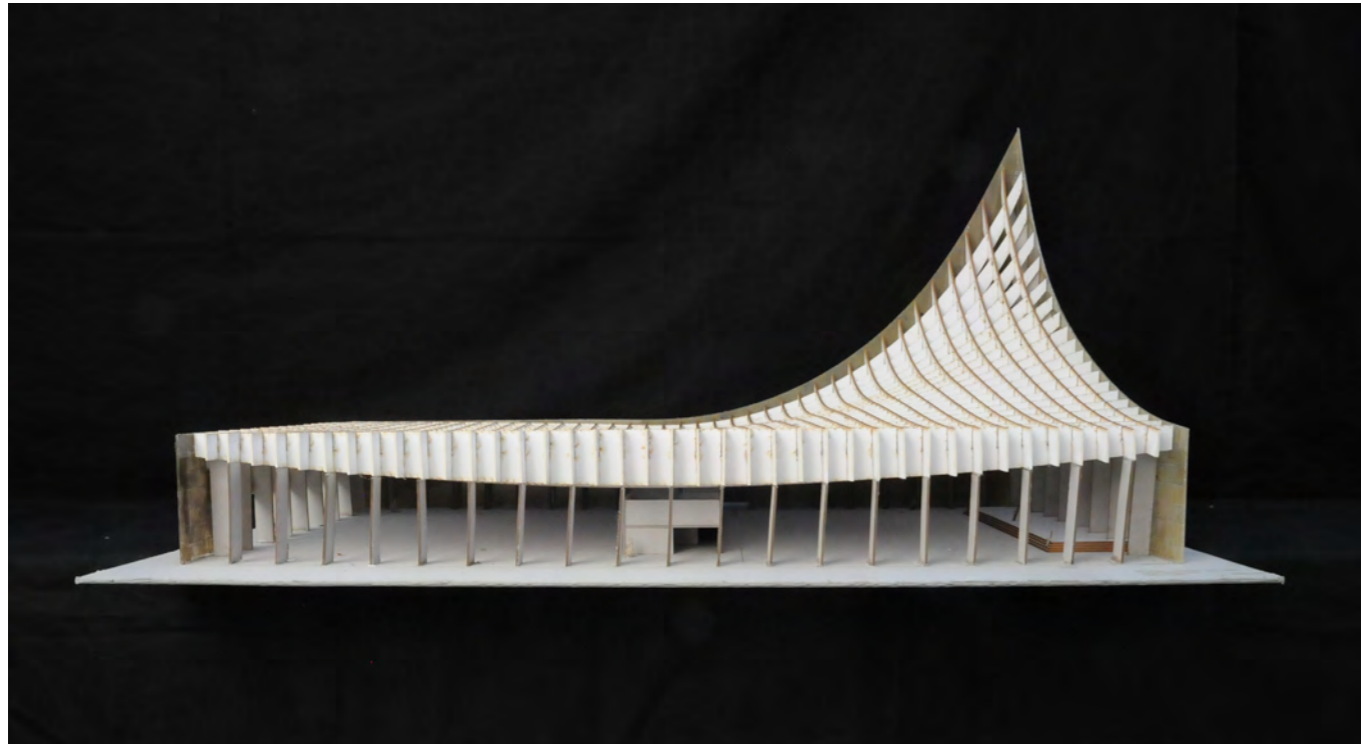
Patric Huber



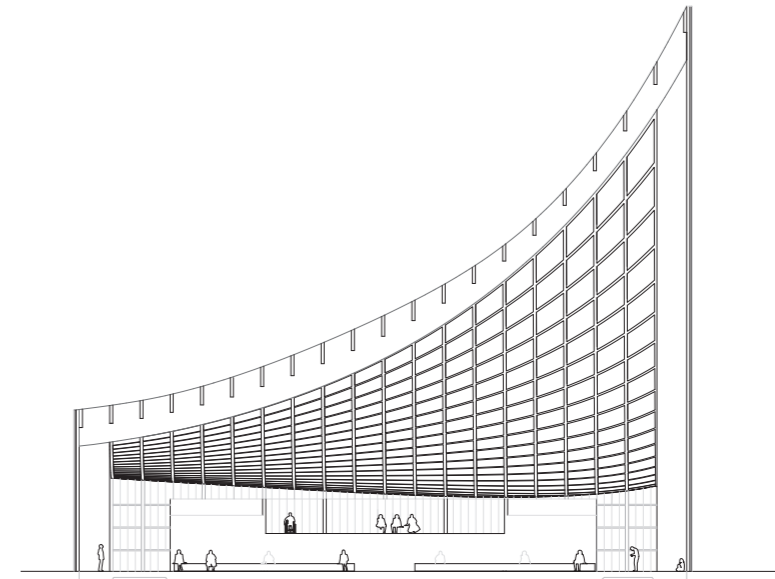
Patric Huber



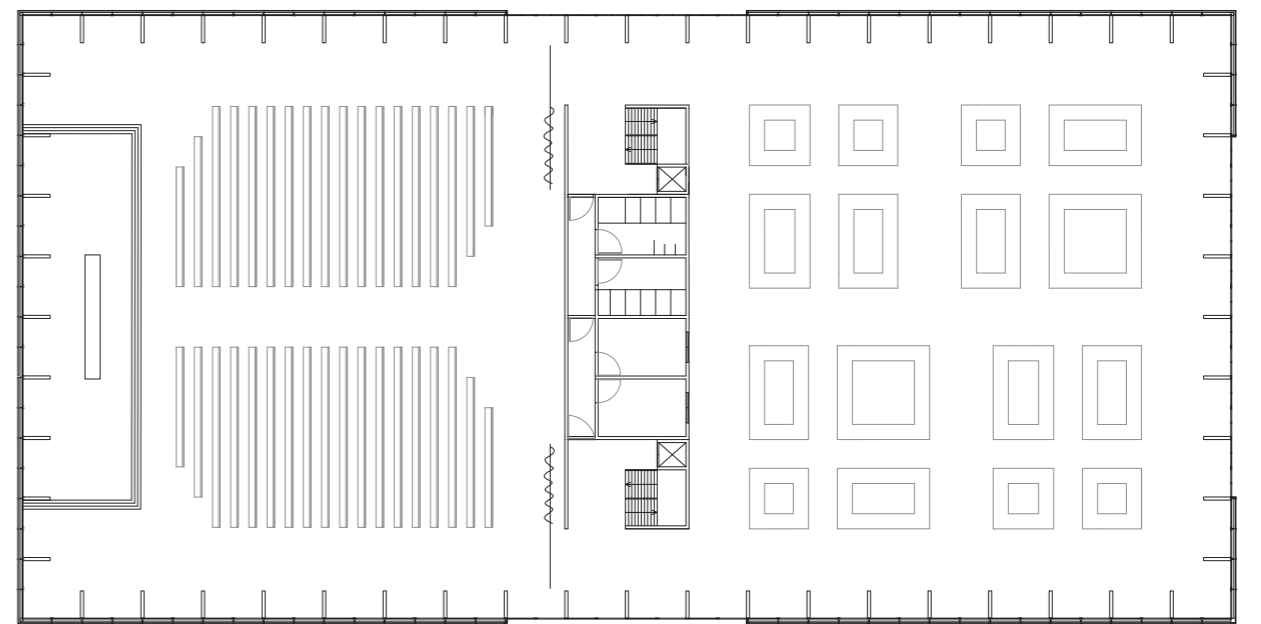
Farah Sefsouf



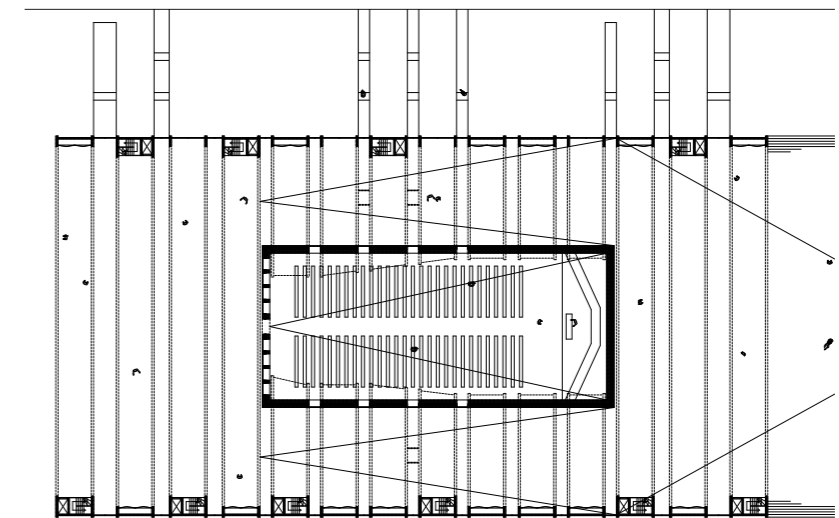
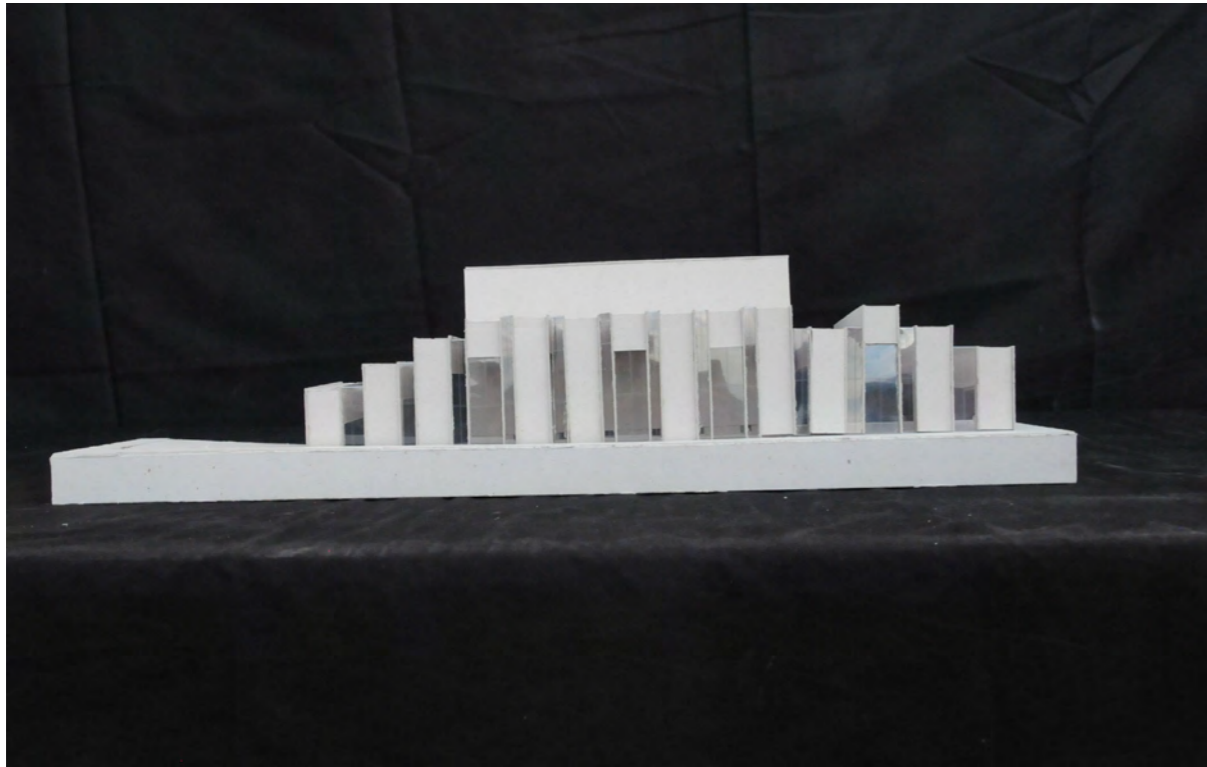
Farah Sefsouf



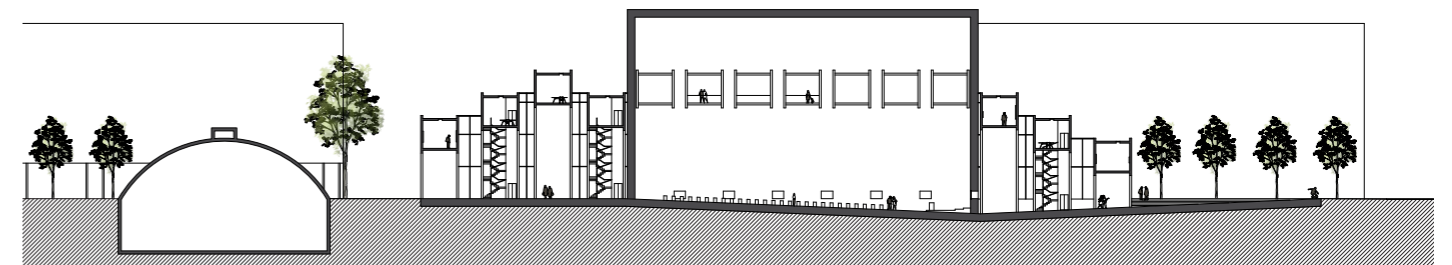
Farah Sefsouf

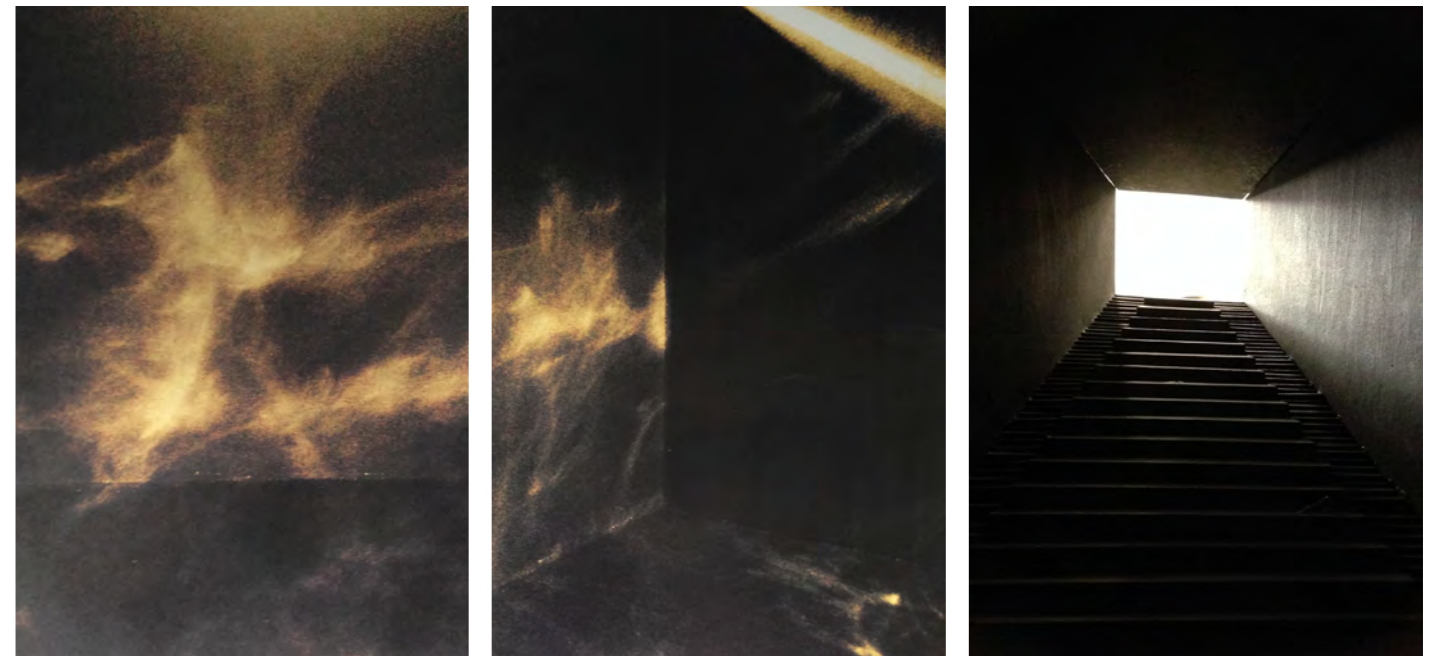
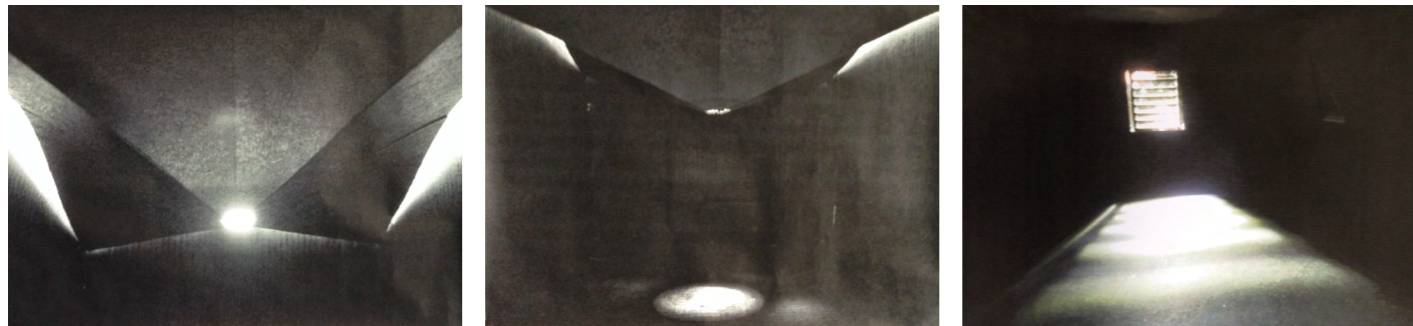
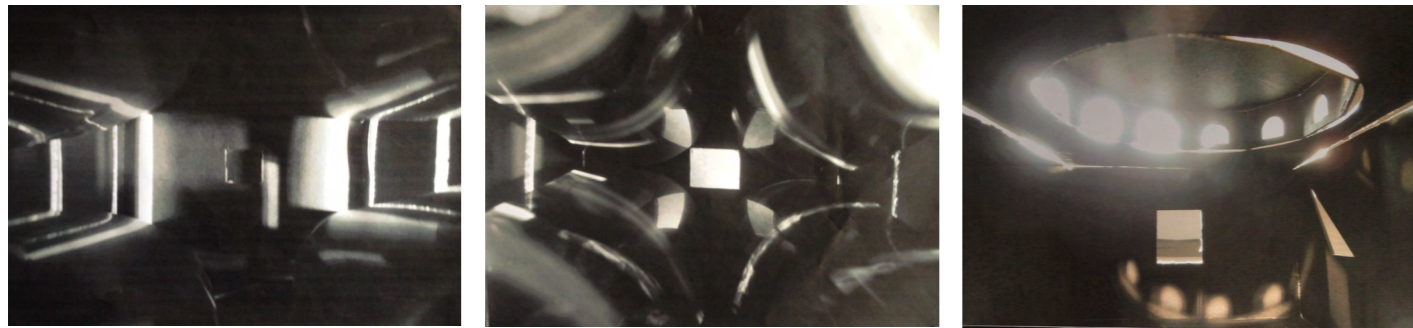
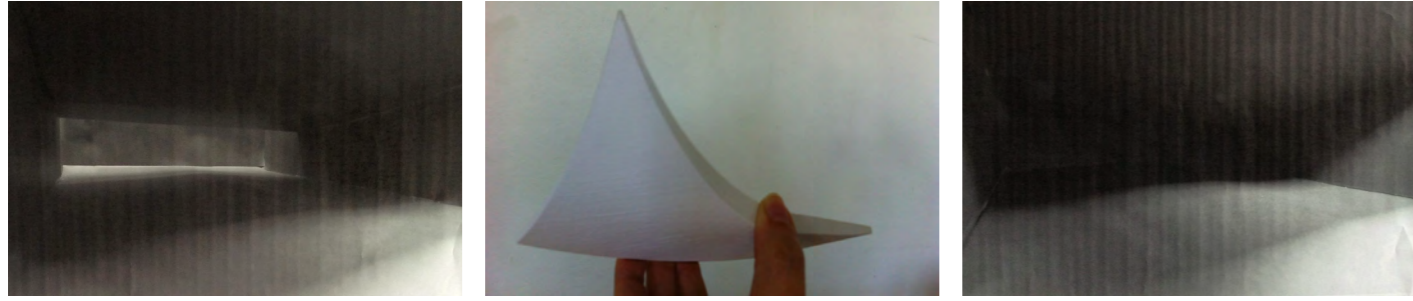


Robert Morgane



Robert Morgane







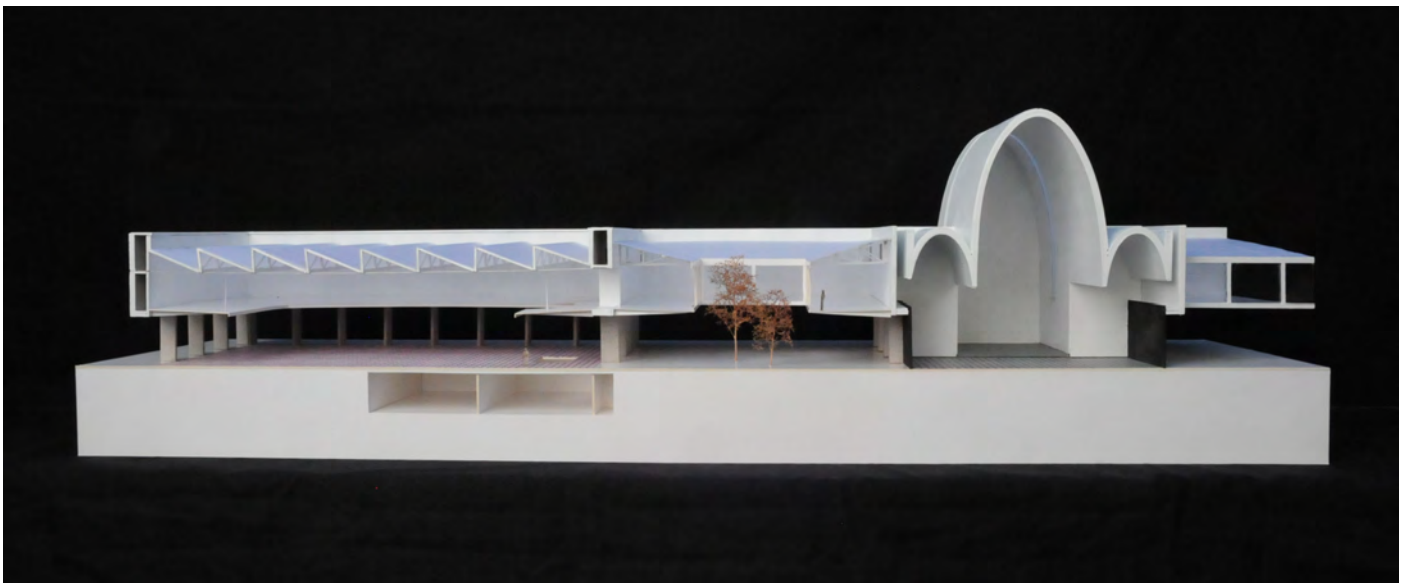
Studio SMARCH
Church / Market Hall Biel
Jointmaster Burgdorf, Spring 2014

Andrea Soto Gonzalez
Francisca Perlorio
Farah Sefsouf
Robert Morgane
Ondrej Havlin
Gabriel Da Costa Pinto
Guillaume Baezner
Patric Huber

Ursula Stücheli und Beat Mathys
SMARCH Architects, Bern, Zurich, Professors AHB BFH
Markus Zimmermann
Research Associate Master Studies

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Back Picture: Final Model 1:200, Ondrej Havlin, 2014



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