



Diploma Degree Projects by:

ALEXANDER FORSLUND
BEATRIZ BANDEIRA
BIAO LI
NATALIA DAUKSZEWICZ
FELIPE FRANCO
THERESE GRADIN
FRANCESCA PERNIGOTTI
SOFIE PERSSON
MARTIN KRENSLER
MIA MODIG
MIRJA ROBIN
KARIN STENSTRÖM
GUNILLA SUNDIN
ELIN SVENSSON
SOPHIE THORSELIUS
MATTIAS PEDERSEN
ALEXANDRA ROSENGREN
MOA RYDBERG DAHLIN
EOGHAN McCARTHY
MARIANA PASCHIDI
LARS EGGE
FREDRIK GÄRDHAMMAR
DAVID LINDMARK
FREDRIK EHN
EVA DAHLBÄCK

DIPLOMA DAYS

KTH School of Architecture
Jan 2017

External jury:

MALIN ZIMM
OLGA TENGVALL
THORDIS ARRHENIUS
DANIEL NORELL
KLAS RUIN
KURT LAZZARINI

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KTH School of Architecture
SE-100 STOCKHOLM

Edited by Terese Jansson

KTH-A DIPLOMA DAYS, JANUARY 12-13

During the Diploma Days the next generation of architects from the KTH School of Architecture will present their work to an invited panel of guests. The work on display and the presentations are open to the public – welcome!

Invited guests:

Malin Zimm

Olga Tengvall

Thordis Arrhenius

Daniel Norell

Klas Ruin

Kurt Lazzarini



MARIANA PASCHIDI
EYES BEYOND VISION

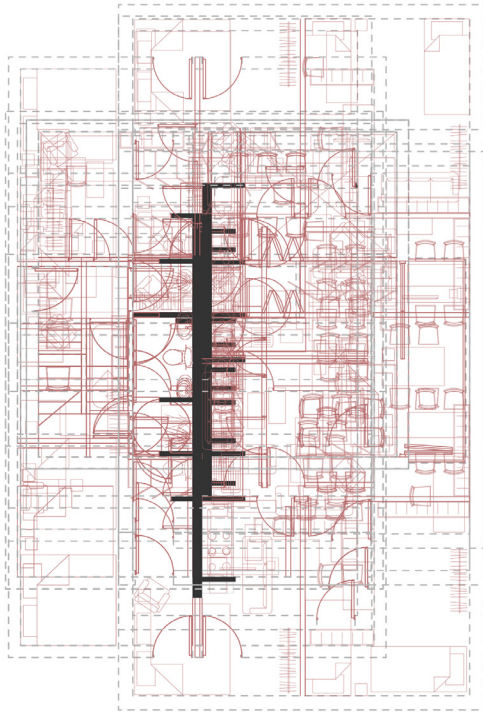
-SPATIAL PERCEPTION THROUGH SENSES

Transformed through the rules of Chinese whispers, every step in these seven series become their own composition. They are paraphrases of the original, but also of each other, turning into parallel truths that could exist in this world or an imagined one.

By adding the visual expression of art currents, artists, architects, specific materials or an idea of sender and receiver different themes are set. These themes are the foundation through which they make their own narrative.

Studio 4, supervised by:
CHARLIE GULLSTRÖM HUGHES
ORI MEROM

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EOGHAN McCARTHY
THE ELASTIC CITY

Studio 4, supervised by:
CHARLIE GULLSTRÖM HUGHES
ORI MEROM

THE PRESENTATIONS

ALEXANDER FORSLUND

TILES OF THE CITY

BEATRIZ BANDEIRA

PILGRIMSCENTER I ALVA STRA

BIAO LI

GOTHENBURG DANCING STUDIO
DESIGN AND UNREAL ENGINE 4
REALIZATION

NATALIA DAUKSZEWICZ

KASERNOPOLIS

FELIPE FRANCO

WITHIN

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STRETCHING FOOD

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LIBRARIES IN THE 21ST CENTURY

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WOOD AS SKELETON AND SPACE

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EN PRIVAT SFÄR – ETT SMÅHUS I
STADEN

ELIN SVENSSON

THE CITY IN LAYERS

SOPHIE THORSELIUS

FRAGMENTERADE VÄRLDAR

MATTIAS PEDERSEN

MOUNTAIN REFUGE IN THE
MAKING

ALEXANDRA ROSENGREN

(OPEN VOID)

MOA RYDBERG DAHLIN

CHINESE WHISPERS

EOGHAN McCARTHY

THE ELASTIC CITY

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EYES BEYOND VISION

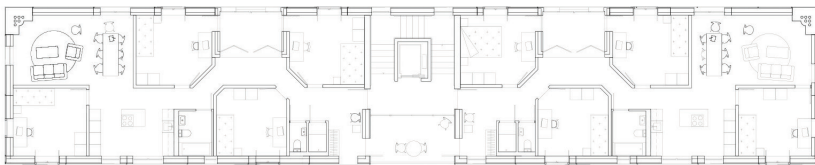
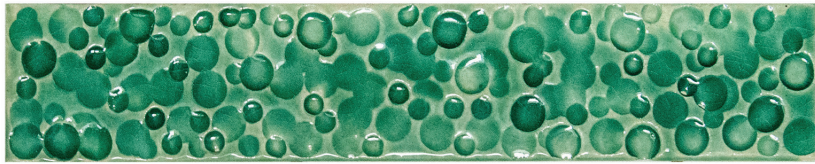
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DAVID LINDMARK

FREDRIK EHN

EVA DAHLBÄCK



ALEXANDER FORSLUND

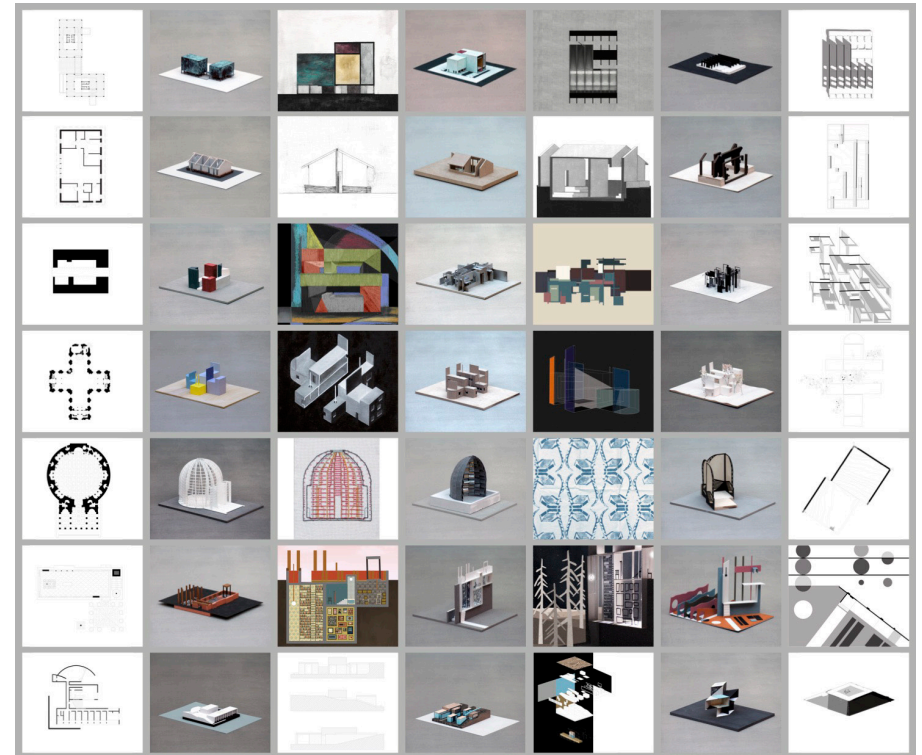
TILES OF THE CITY

-HOUSING THROUGH DENSIFICATION IN A CENTRAL LOCATION OF UMEÅ

The fast growing city of Umeå needs to densify its current inner city as a strategy to cope with its current and future housing situation. Densifying comes with a responsibility to care for the existing inhabitants and structures. The project deals with careful densification of a centrally located site by creating new structures on underused space, by adding to the already built and by creating a public space in-between. Furthermore, I have investigated the building's material aspects by developing a ceramic façade for the project.

Studio 3, supervised by:
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MOA RYDBERG DAHLIN

CHINESE WHISPERS

-A CONCEPTUAL INVESTIGATION ABOUT REPRESENTATION

Transformed through the rules of Chinese whispers, every step in these seven series become their own composition. They are paraphrases of the original, but also of each other, turning into parallel truths that could exist in this world or an imagined one.

By adding the visual expression of art currents, artists, architects, specific materials or an idea of sender and receiver different themes are set. These themes are the foundation through which they make their own narrative.

Studio 6, supervised by:
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LEIF BRODERSEN

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ALEXANDRA ROSENGREN

(OPEN VOID)

-AN ARCHITECTURAL EXPLORATION OF URBAN COMMONS

".../Modern architecture has turned into a technocratic, utopist, drawing-board activity, far removed from the problems of the real world.../Restoring the true sense, is a political act.../PEOPLE should do architecture."

LINA BO BARDI, 1979

Today, half of humanity lives in cities. Almost 1/4 of these, in informal settlements, outside of the planned urban context. In the discourse of this rapid urbanization, the project explores the right to the city. Studying architecture beyond the object, as a city-building process and an act in our shared urbanity.

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BEATRIZ BANDEIRA

PILGRIMSCENTER I ALVA STRA

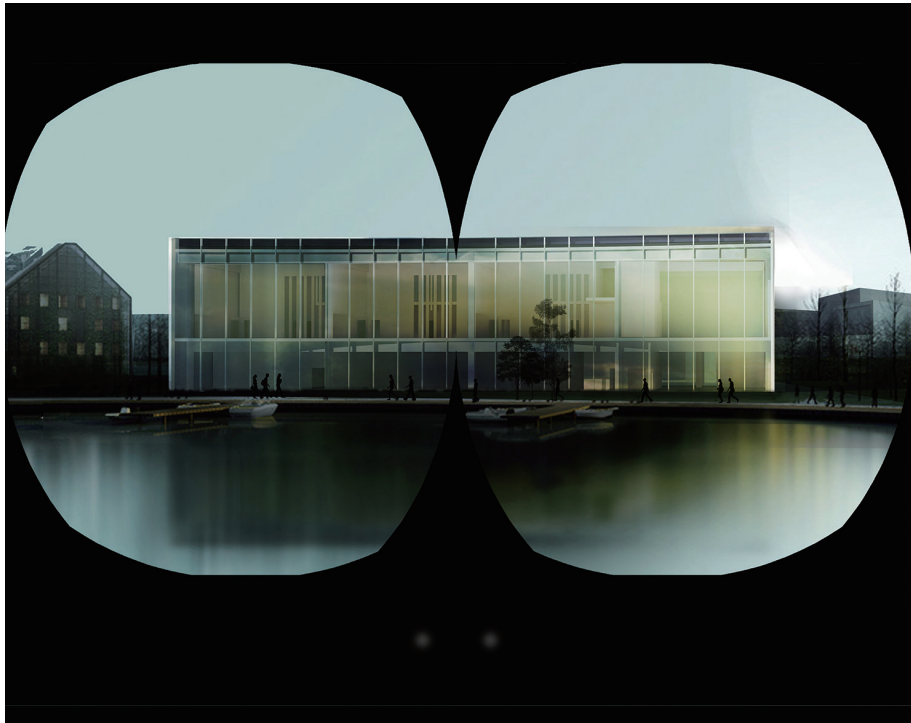
-ETT ALTERNATIVT FÖRHÅLLNINGSSÄTT TILL RUINER

What we today consider as ruins, are in many cases reconstructions. The aim of this project is to tell stories from the past, using a different way of relating to authenticity.

Taking the location and the Romanesque architecture as a starting point, I have reinstated the functions of the former abbey, from a pilgrim's needs. With an interpretive and reconstructive approach, I have transformed the empty spaces of the ruin into mass, and created architecture from an imaginary past.

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BIAO LI
GOTHENBURG DANCING STUDIO DESIGN AND UNREAL
ENGINE 4 REALIZATION

Gothenburg city is now planning a new area of centre. Based on its river city development principle. They need a new skyline and a new connection with original centre. Opposite to the landmark Gothenburg hall I plan to build a dancing studio for local outstanding dancing market to help people know more about dancing and improve the dancing industry.

After I finished the basic designing. I tried to migrate my project into Unreal Engine 4 and VR as next step. What I do is I modelling in ArchiCAD, optimised in Cinema 4D and import the whole building by separate items such as walls, furnitures, doors ect. And the I subdivided the light map and build the lightning system. At last I used the Blueprint script system to give the whole building function.

With the help of UE4 and VR, exploring the unreal world become much more deeper. You can standing and walking around in unbuilt project. The process can help architects check their space, refining their detail and help them to show their project to clients especially for people without building experience. Previewing the building also help architects making better decision.

Studio 4, supervised by:
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MATTIAS PEDERSEN
MOUNTAIN REFUGE IN THE MAKING

They are more than a thousand, maybe more than twice as many, the mountain huts and bivouacs in the Alps: There seems to be no reliable estimates, no one has ever listed them and therefore there can not be a clear idea of how many they actually are. Something is certain; the need to sojourn in the Alps and spend the night at high altitude will not decrease, on the contrary. How will this need be met in the future? The subject is vast and complex, but nonetheless a very urgent discussion hence the future of the mountain huts is in motion since many years.

Studio 1, supervised by:
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SOPHIE THORSELIUS
FRAGMENTERADE VÄRLDAR
-FLYKTINGBOSTÄDER I SVERIGE

In the wake of the humanitarian crisis in the Middle East, many people fled their countries seeking refuge in Europe. During 2015, the number of refugees seeking shelter became alarmingly high in relation to available housing stock. What does this mean in terms of integration and living arrangements for the refugees and Sweden as a whole? This project explores how architecture can be utilised as a tool to attempt to find solutions to socio-political issues such as integration.

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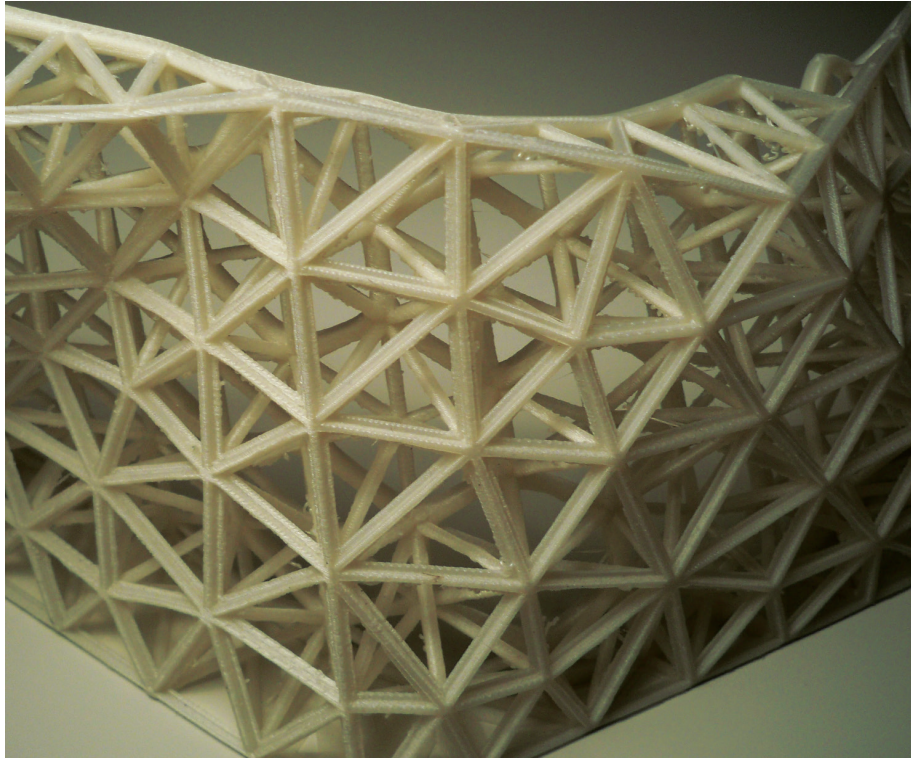


NATALIA DAUKSZEWICZ
KASERNOPOLIS

The former military area, dated back to the late 19th century, became with time neglected and left itself for the accidental development as the city started to grow and claim its space within the site. Buildings that used to be stables, were adapted with no consideration to their architectural style and technical state. Regional economic and sociocultural development are the goals of the design process in this historic area with the focus on refurbishment, addition of new structures and zoning plans.

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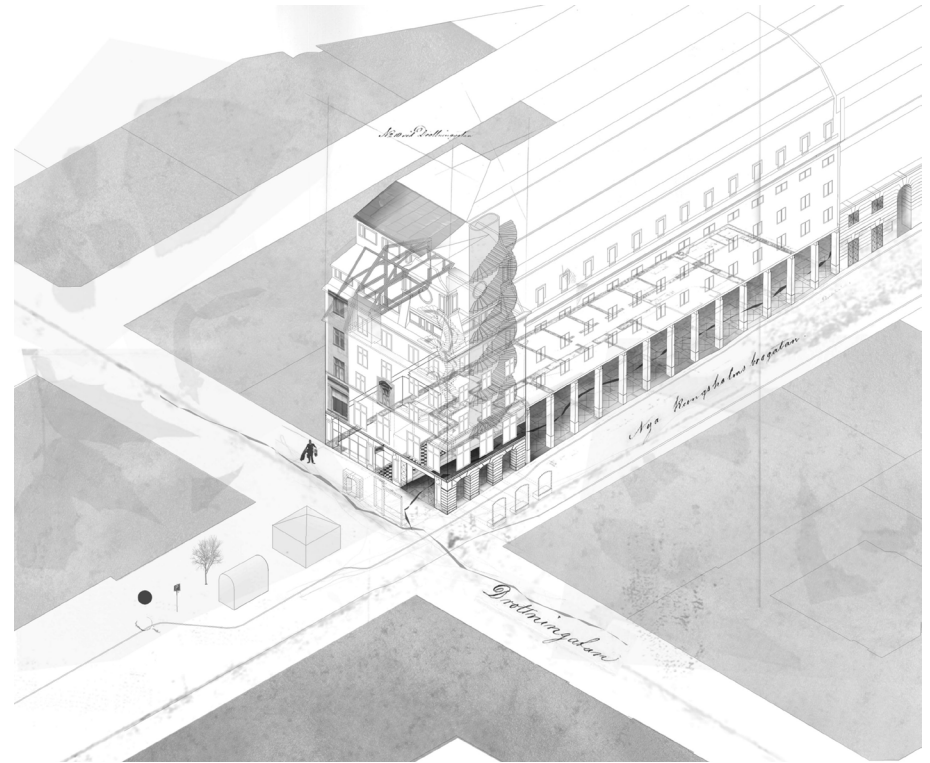
WITHIN

-EXPLORING ADDITIVE MANUFACTURING IN ARCHITECTURE

The development of new digital fabrication processes, such as 3D Printing and other AM techniques, will lead to unprecedented transformations in architecture. "WITHIN" is a Thesis work whose purpose is to examine the possibilities of AM of a cellulose-based material, exploring its properties and researching feasible fabrication methods to use it in construction. The chosen program is a temporary middle scale intervention; a floating recreational facility located in the island of Kungsholmen.

Studio 9, supervised by:
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ELIN SVENSSON

THE CITY IN LAYERS

-TEMPORAL FRAGMENTS OF STOCKHOLM

On the basis of that what surrounds us, the physical environment is not regarded as complete but in constant transformation, where everything is overlaid and new layers are added to the existing, architectural objects, layers and places in Stockholm are studied. The premise is that these architectonic fragments, onto which negotiations over time has been imprinted has a value added. They enrich, adds character and a continuity that can be perceived and appreciated. A city is through these an archive (of the memory of itself).

Studio 7, supervised by:
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GUNILLA SUNDIN

EN PRIVAT SFÄR – ETT SMÅHUS I STADEN

My project is a proposal for a single family home on a plot in a dense and varied urban landscape.

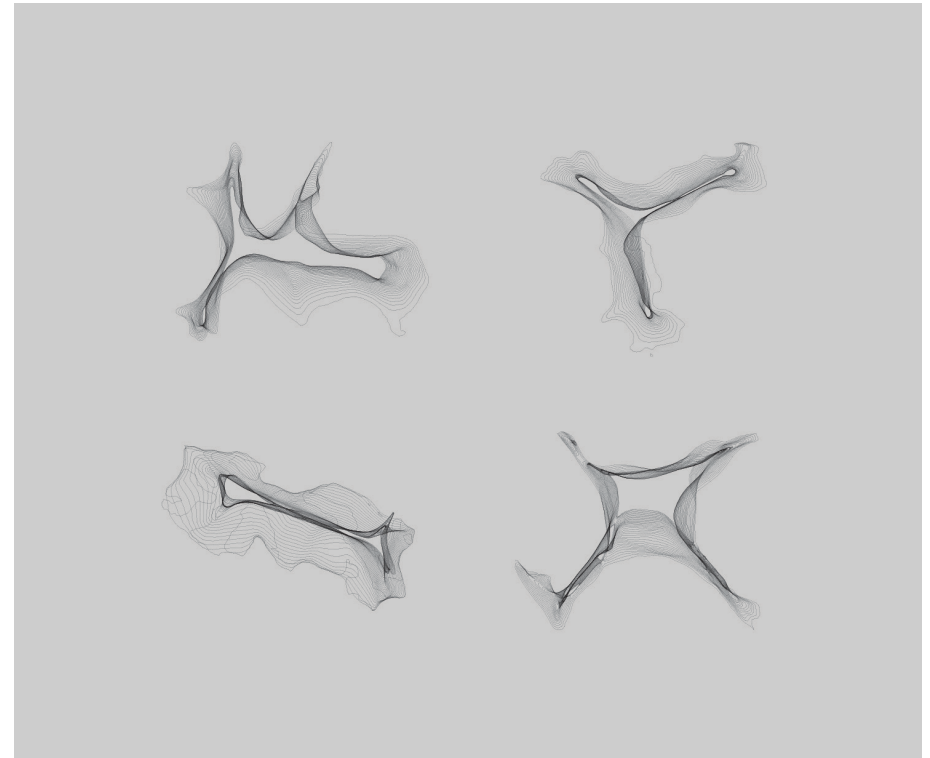
Is it possible to create private space without sacrificing qualities such as light, openness and hospitality in such a context?

How do you find a balance between opposites as open and closed?

A building can be perceived as both introvert and extrovert?

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THERESE GRADIN

STRETCHING FOOD

Each year every person in Sweden throws away more than 100 kg of food. Could food waste somehow inform architecture? Two of the most binned products, milk and potatoes are sources of bioplastic. The properties of these polymeric materials were studied through stretching and different morphologies were identified. The findings have been evaluated by speculating on architectural aspects of openings, spatialities and light as well as limitations and possibilities regarding construction.

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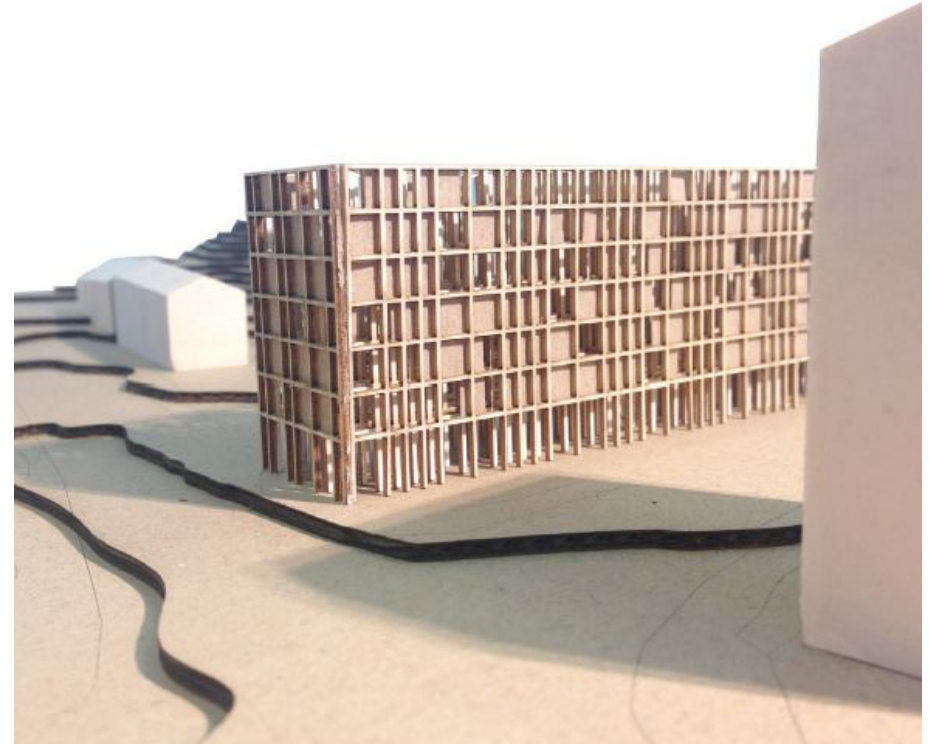
FRANCESCA PERNIGOTTI
LIBRARIES IN THE 21ST CENTURY
-A PUBLIC LIBRARY FOR HJORTHAGEN

The project is a design proposal for a library where non-commercial public spaces are devoted to knowledge and sharing, stressing the right to a democratic environment and universal access to knowledge. Designing the building as a landmark can accomplish the architectural task of drawing attention and recognition to the functions it performs.

A new concept for the library as architectural typology has been developed, based on the process of learning, making and sharing, to improve the experience of employing a library's services.

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KARIN STENSTRÖM
WOOD AS SKELETON AND SPACE

In my thesis project /Wood as Skeleton and Space/, I have worked with creating a system for wooden apartment buildings with a focus on the wooden skeleton, both being the structure of the building, and an exposed element for visual and tactile relation within your apartment. Provoking memories of the texture and sound of an old wooden floor, the massive, yet so detailed wooden door at your summerhouse, the warmth and beauty of a living material, a breathing material.

Studio 8, supervised by:
SARA GRAHN
RUMI KUBOKAWA



MIRJA ROBIN

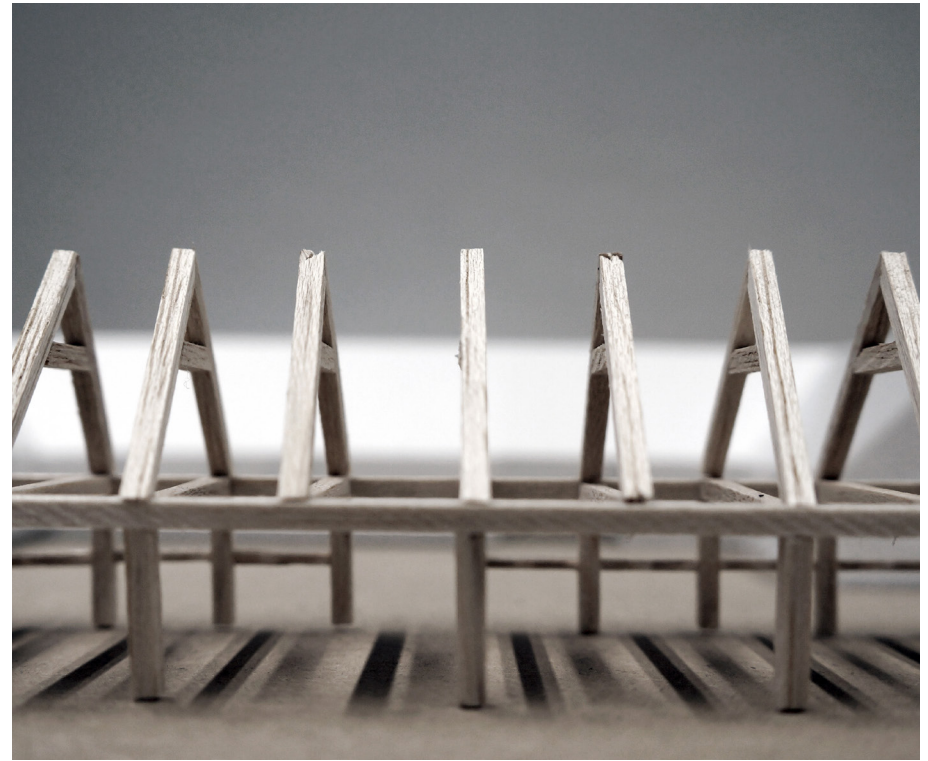
VIKBADET

-NEW PUBLIC POOL IN SALTSJÖBADEN

Most of the Swedish indoor pools were built during the 1950's-70's and are now outdated or in need of extensive renovations, as much as 80% of the buildings is considered to be out of date within a few years. This is the case for the public pool in Saltsjöbaden, where Nacka municipality calls for the need of a new one. The proposal for Vikbadet is a modest building which aims to resolve the programming for a contemporary indoor pool house in a simple way without losing qualities in experience.

Studio 3, supervised by:
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SOFIE PERSSON

GÅRD 20

In the rural area of the most southern part of Sweden you'll find the traditional farm of Skåne, a farm with a large stated cultural value. The farm stands today without function and is becoming unfit in terms of agriculture and often expensive to maintain. The farm is slowly disappearing along with the historical value.

The aim of my thesis project has been to design a practical and contemporary suggestion on how the cultural value of the Skåne farm can be preserved in a new building.

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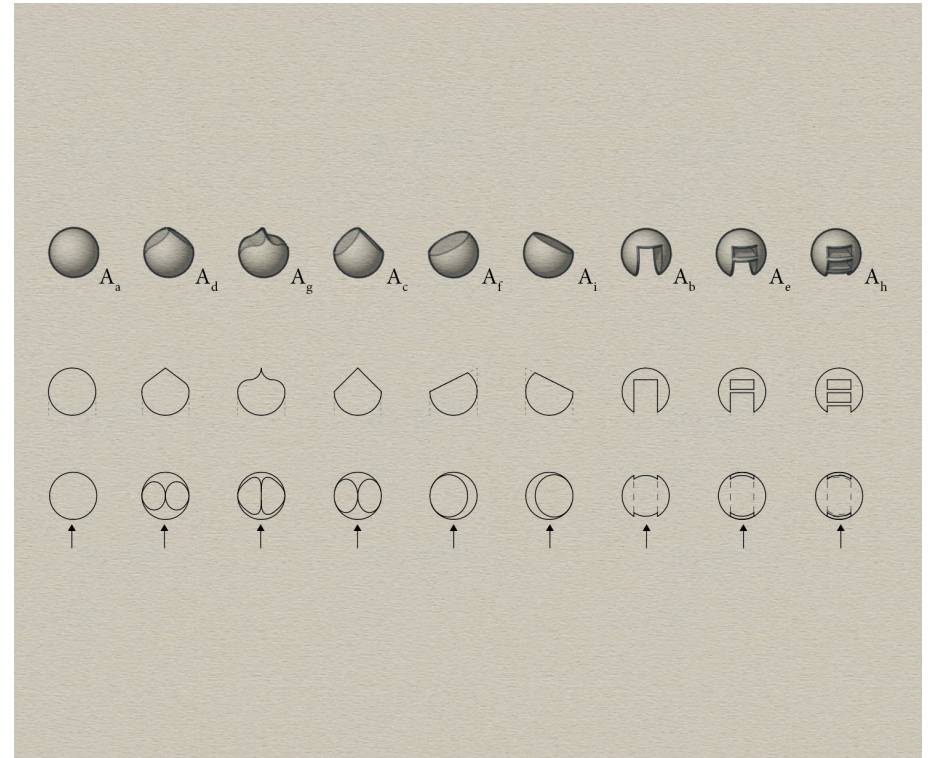


MARTIN KRENSLER
DIVERSITY OF WOOD

This project explores the possibilities of crafted wooden architecture. It looks into the details of craft and tradition and tries to find new ways of using the material. Wood can be treated in a tectonic and a stereotomic way to achieve various spacial experiences, closely connected to the logics of the material. The final proposal include three wooden pavilions with different character, conforming the various needs of a dwelling programme.

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MIA MODIG
THE PLANETESIMAL
-TALES OF STARGAZING IN THE ARCHIPELAGO

It was not at one point in time, it was gradual, the loss of the night sky. Slowly the streetlights and neon signs emptied out the darkness. We can now live our whole lives without ever seeing the milky way.

With text as a driving factor behind the design */the Planetesimal/* is an exploration of the entwining of writing and architecture, text and form. Through a collection of stories a place for reconnecting with the stars is created in the outer archipelago of Stockholm.

Studio 5, supervised by:
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