PORTFOILO vol.01 BA Architecture

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Exploring natural wood

laser scanning, robotic fabrication and digital design tool.

Explore new possibilities for using natural materials in architectural construction.

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An urban transformation of Randers industrial harbour pier.

A speculative project about transformative, water-symbiotic habitations.

Project / 03

Contemplating materiality

Merging computational and analogue fabrication methods.

Company establishment and material studies in different series of oak furniture.

Project / 04

A House for dwelling

Programmic design, technical drawings and building approvals.

Client hired design and construction of costal vacation home in Ebeltoft, Denmark.

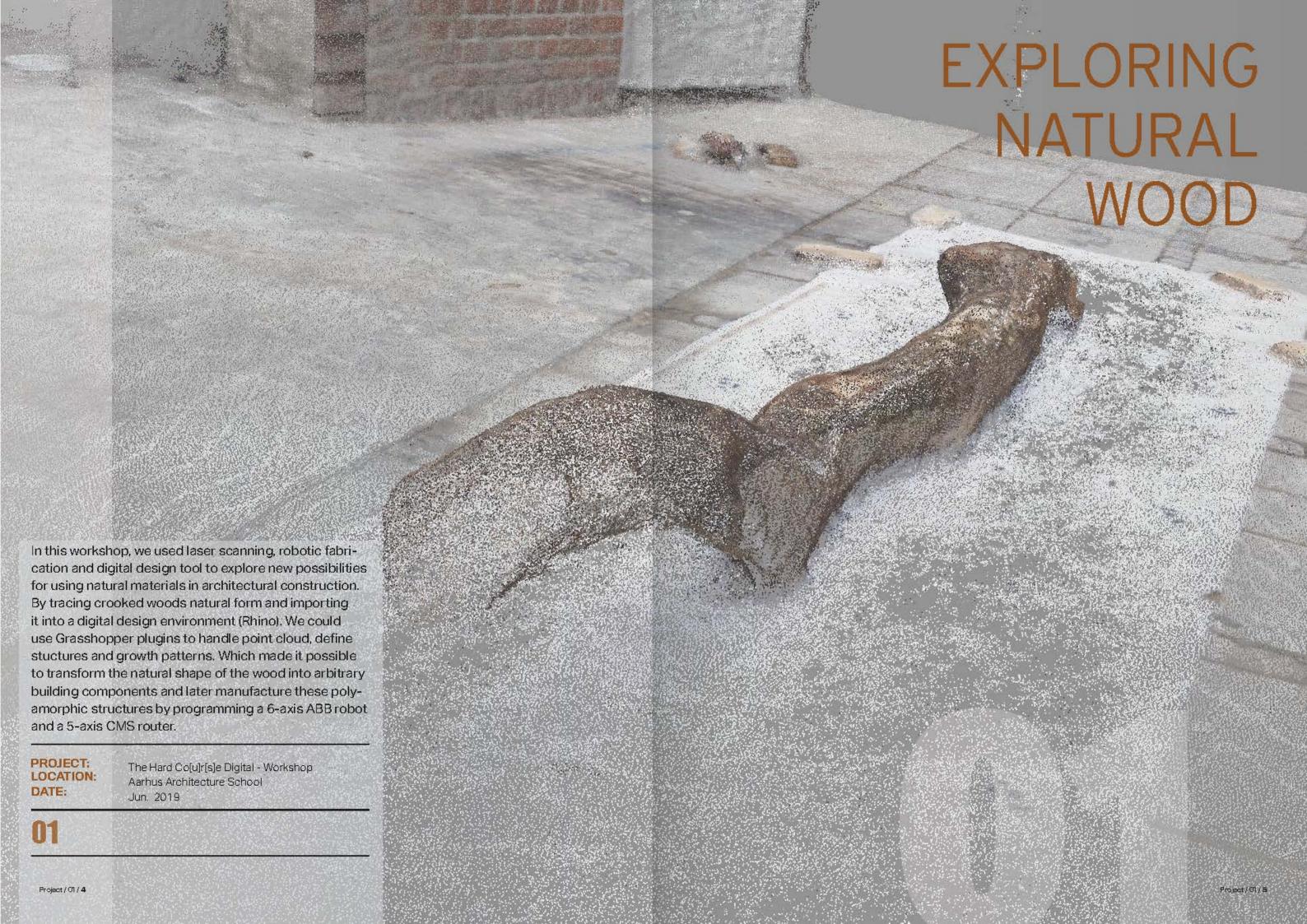
Project / 05

Examination of classicism

Analytic drawing and modelling of an ancient doric temple.

1:20 model building of a peripteral temple with systyle intercolumniation.





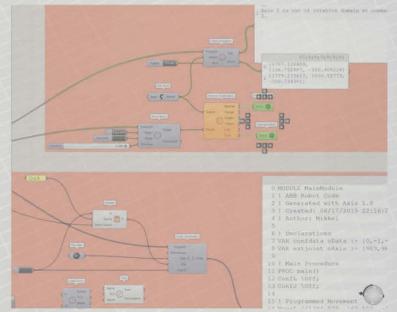


Wood is normally used as a standardised construction material that have been transformed from a natural tree log into box-shaped timber. This workshop was about rethinking the way materials are use and how we can limit the resource waste. By Collecting, scanning, analysing we where able to cut complex geometries into the natural wood









THE AMPHIBIOUS

CITY

PROJECT: LOCATION: DATE: Industrial harbour transformation Randers, Denmark

Feb. 1 2019

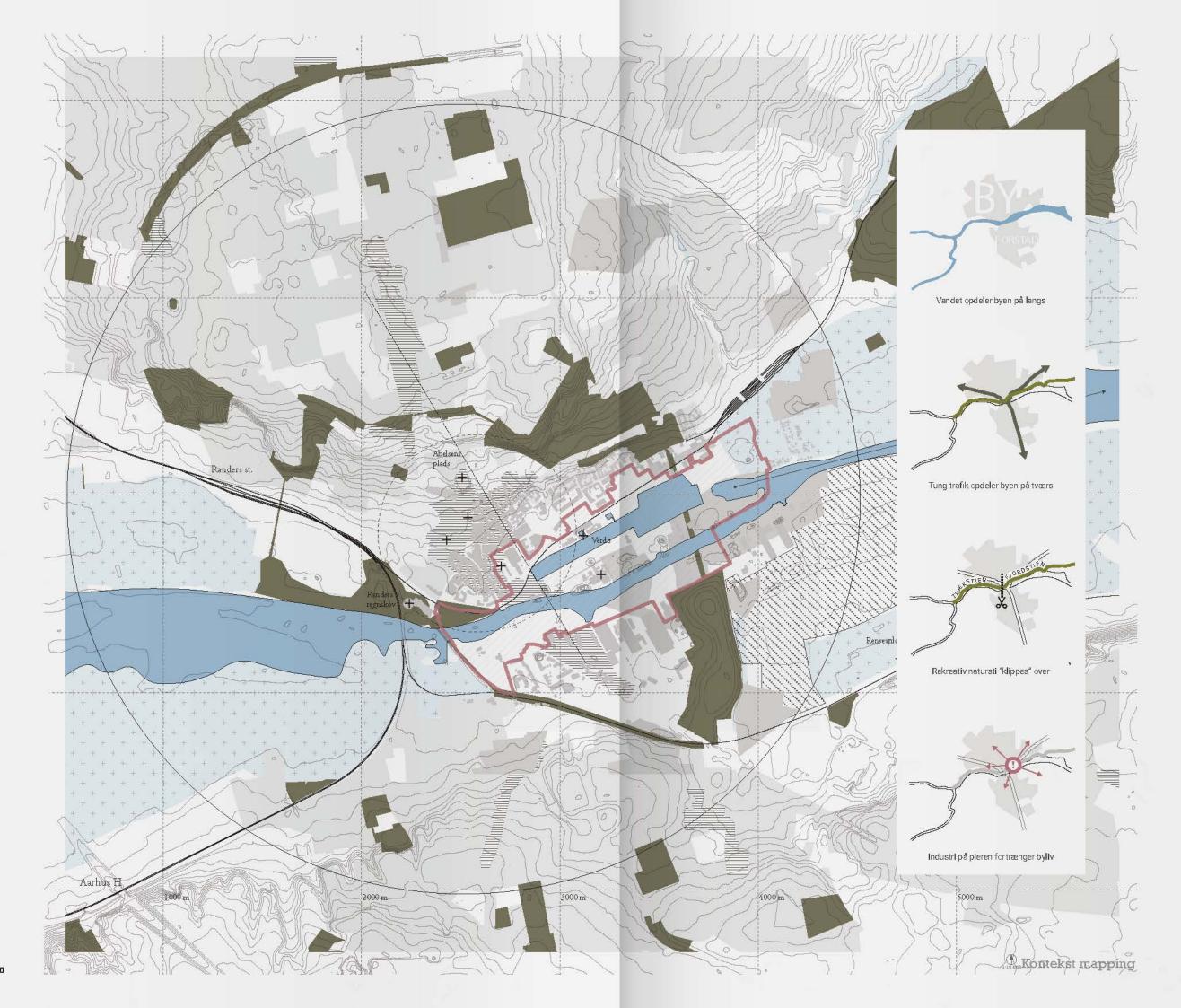
02

As a 4. semester project i did a simulated contest with assistance from the danish architecture company: Møller & Grønborg.

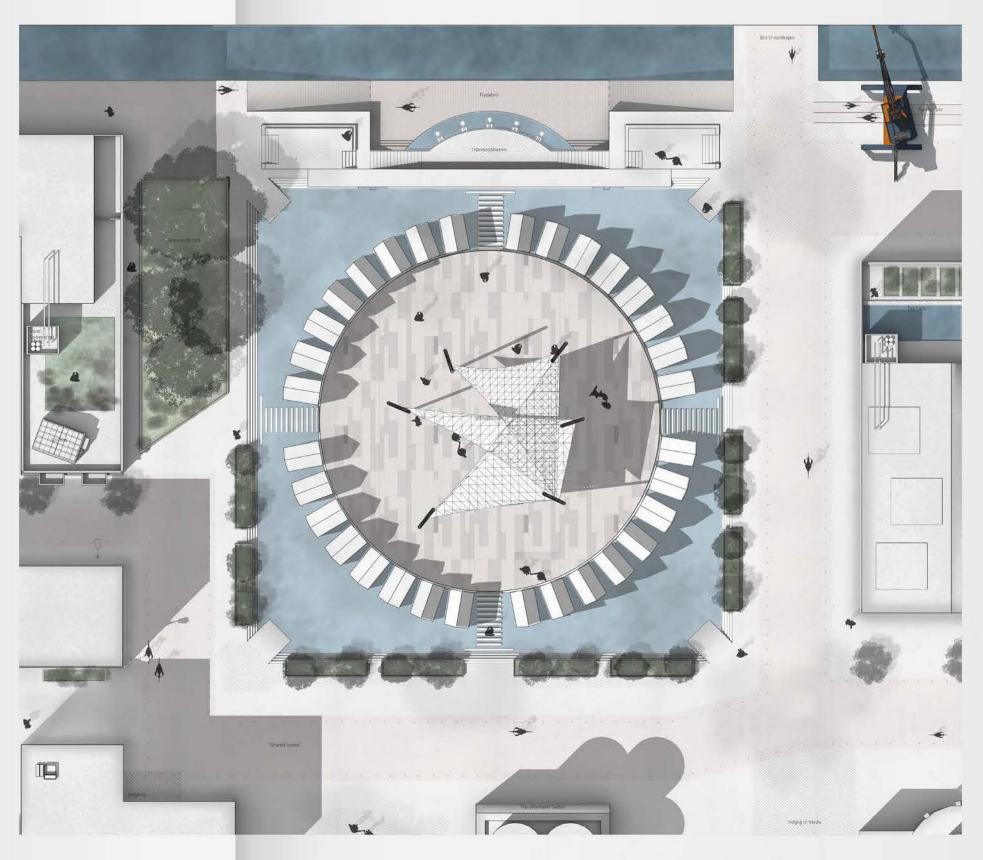
The project took place in Randers, where the municipalacy has issued a competition on how to transform the current industrial harbour, solve the citiy traffic problem and making a proactive respone to the local climate changes.

Rising tides is causing annual floodings in the area and it is therefor nessesary to either barricade towards the waterfront or try and embrace the changing waterlevels and see it as a dynamic aspect of the new city - i chose the latter...



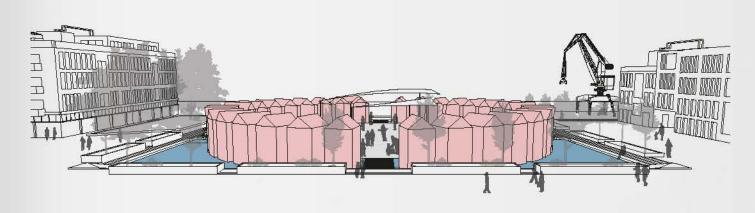


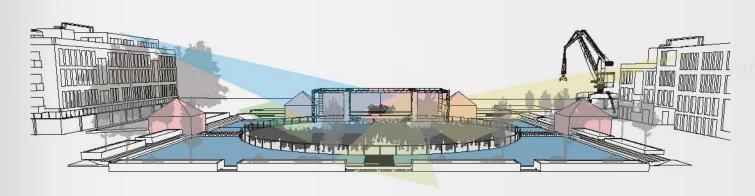


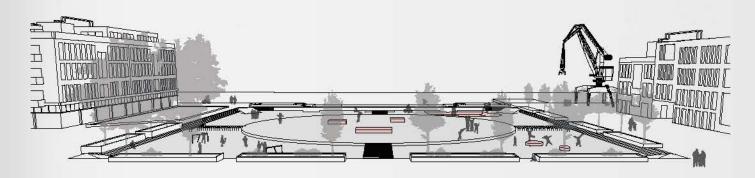


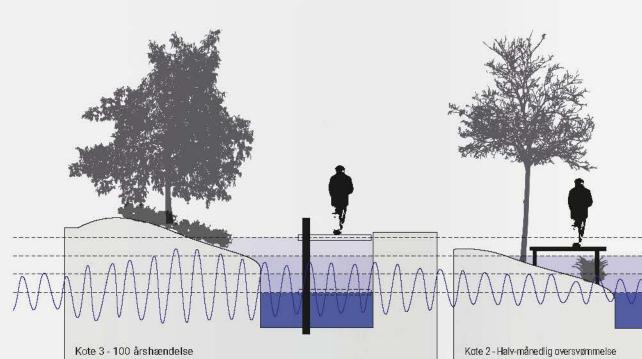
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CONTEMPLATING MATERIALITY

Parallel to my studies at the Aarhus school of architecture i have been designing and producing differentiated design products and furniture. It all started in the summer of 2017 before my enrollment at AARCH, where I founded an entrepreneurial company together with my partner Alexander Hammergart from Copenhagen, Denmark. "Taktile IVS" was a design brand based upon a simple geometrical profile and its way of communicating the inherited material qualities of wood. The design was constantly revolving around the growth patterns of wood, trying to resolve its heterogenous materiality. Meanwhile the design possesses both haptic-, acoustic-, esthetical- and air improving qualities (through diffusion.)

In 2018 I created a series of oak furniture in collaboration with Asbjørn Bratsbjerg from AARCH. They were all made from old tabletops, that we gathered from local homes – some even dating back to 1921!

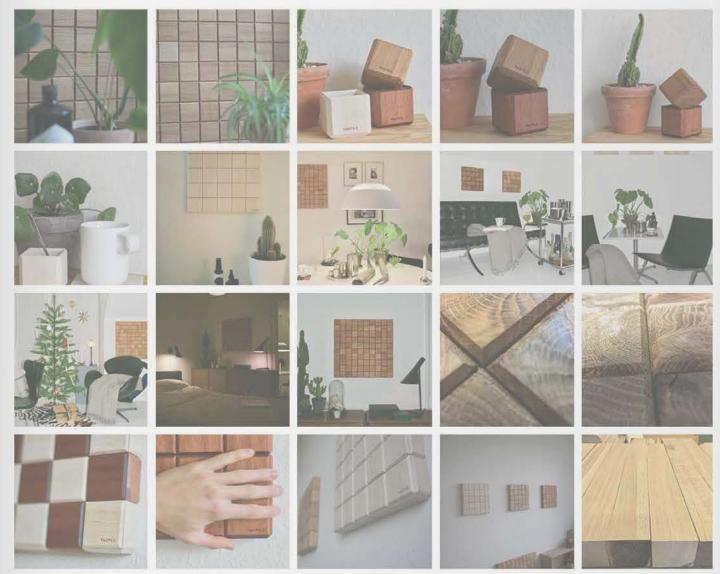
Similarly for all the designs, merging computational and analogue fabrication methods were in focus. This meant introducing numerically controlled machines (CNC) and exploiting it's potentials in rapid prototyping and manufacturing.

PROJECT: LOCATION: DATE: Phytoremediation, Randers, Denmark

Feb. 1 2019

03











Project / 04 / 22

A HOUSE FOR DWELLING

PROJECT:

Vacation home by the water

LOCATION: DATE: Pedersøndergaardsvej 10, Ebeltoft, Denmark

Jun. 15 2016



In my sabbatical year I worked full time as a carpenter assistant, constructing and renovating houses and gaining empiric knowledge. I was hired to design and partake in the construction of a vacation home in Ebeltoft, Denmark. I was through the entire process from sketch to final building. I was also corresponding with the regional office, submitting technical drawings and acquiring the building approvals.

The main Idea was to create a 100 m² building which had a 200 m² suspended timber terrace around it - allowing the inhabitants to move barefoot around the house. The entire floor structure rests upon walls of concrete and consists of long beams of timber. This made for an easy and affordable construction which allows the surrounding nature to rapidly regrow and merge with the terrace. The slanted roof creates a hybrid interior space, where the central living area can be directly connected to the alcoves on the loft.



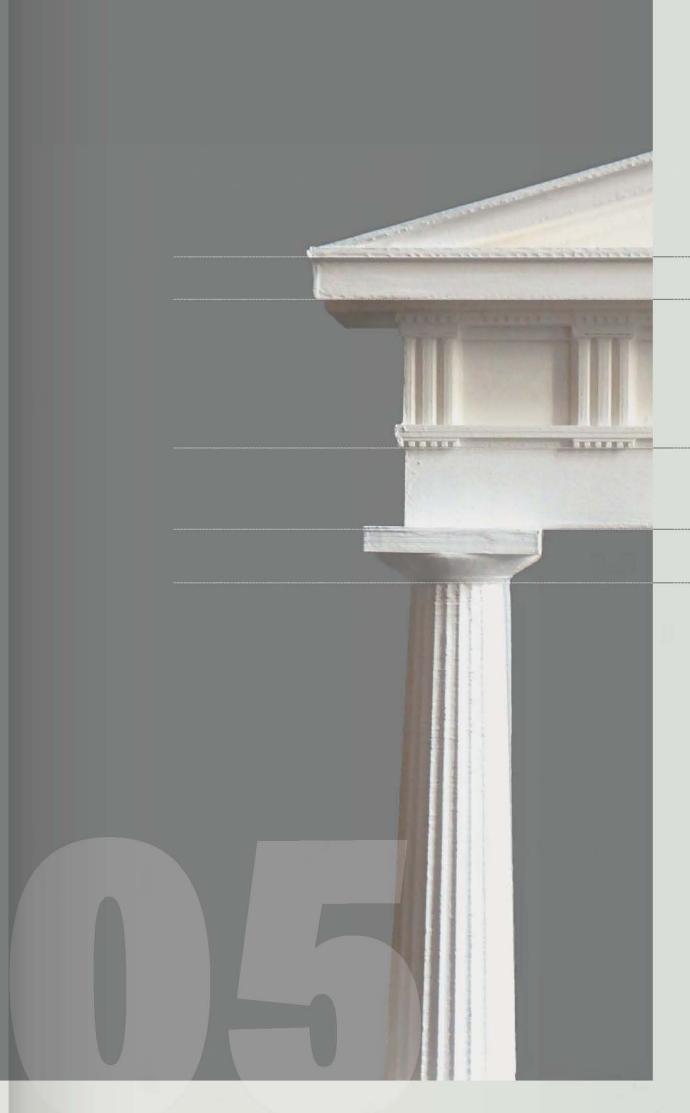
CLASSICISM REARSED REVISED RENEWED

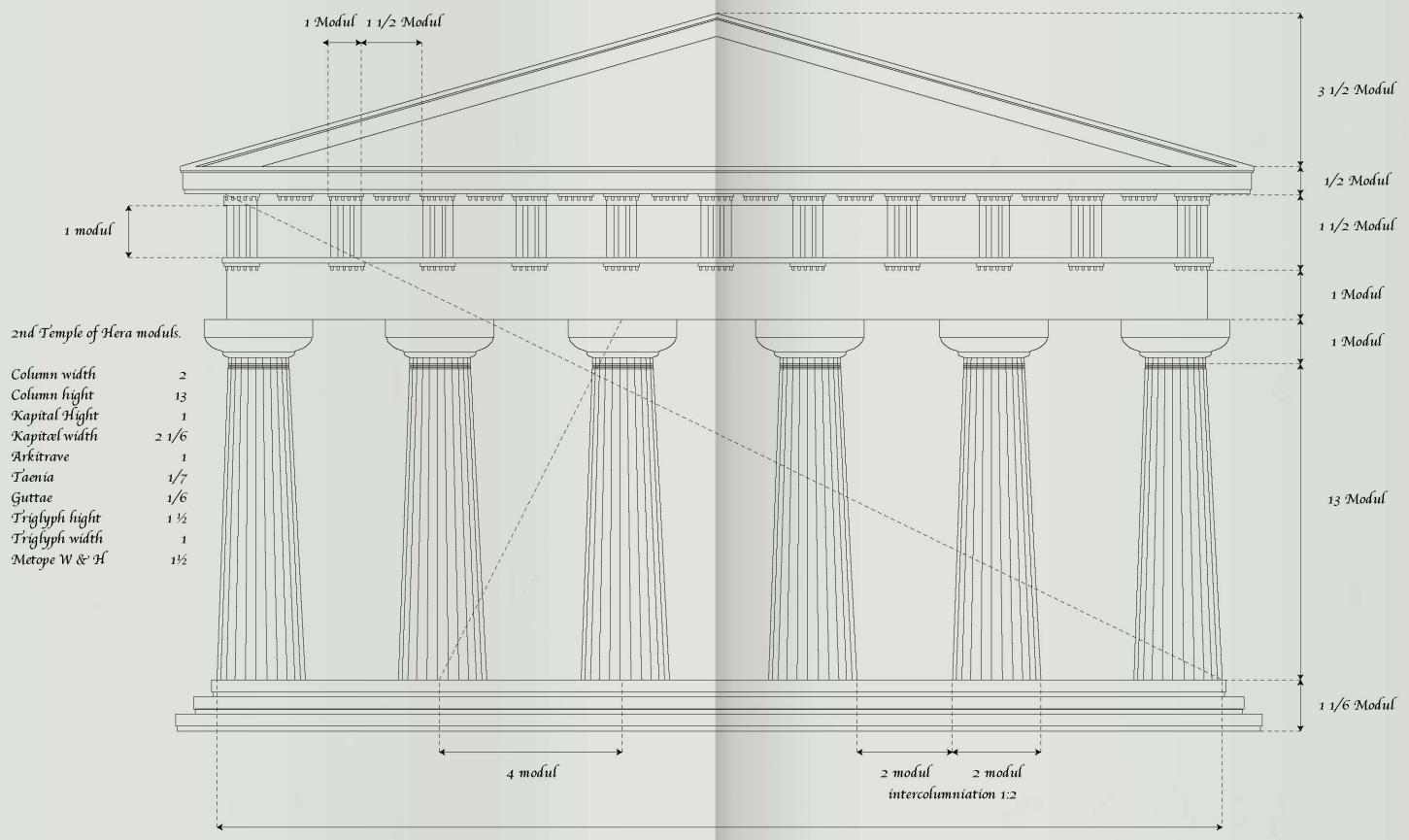
PROJECT: LOCATION: DATE:

2nd Temple of Hera, model and drawings Aarhus architecture school, Denmark

05

Concluding the third semester I did a workshop together with Therese Kamp, where we analysed and build a 1:20 model of the 2nd temple of Hera. This Doric temple is a "peripteral temple" meaning that it is 6 by 11 columns. It has a "systyle intercolumniation" which corelates to the spacing between the column, relative to the width (1:2).





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