



Vietnamese-German University



Hochschule Anhalt

Anhalt University of Applied Sciences

ARCHITECTURE 2019

ACADEMIC YEAR

COMPUTER-AIDED DESIGN I REPORT

(Progress period: 30.11.2020-25.12.2020)

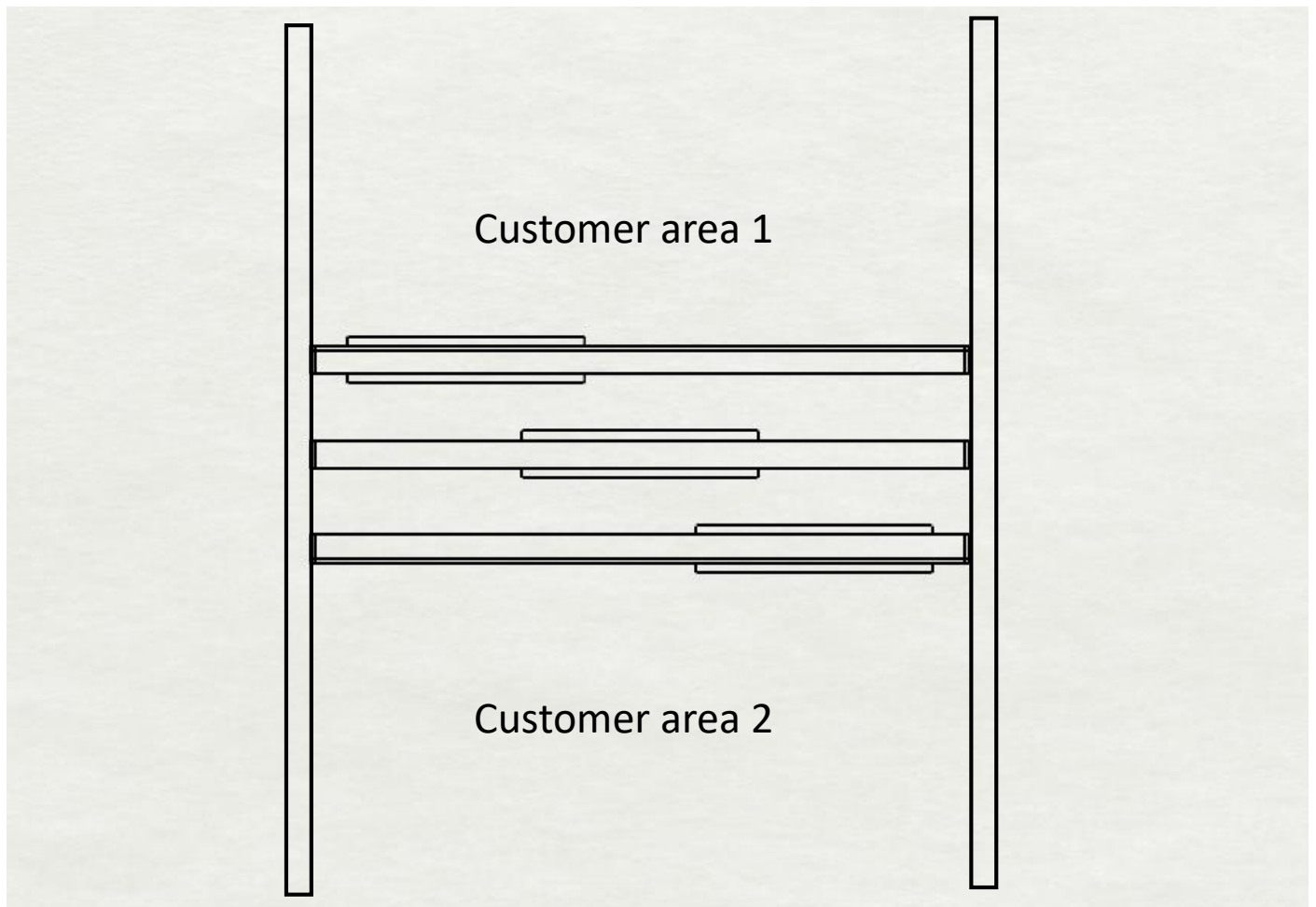
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Lecturer name: Henriette Bier and Max Latour

INTRODUCTION OF THE PROJECT

Project name: THE TUBE LIBRARY – A separator as a small library in a book coffee shop

Project purpose: To separate two spaces of customer area in a coffee shop and bring curious feeling to the customer with this “wall”: I design this without doors but it still keeps its function, which can cover the vision of one side to the other side.



THE PLAN OF THE TUBE LIBRARY

WORK PROGRESS REPORT

Progress overview:

Department/Workshop or type of activity	From	Till	Week	No.of work report
Research about Denari Project, make project first idea	30.11.2020	6.12.2020	1	01
Sketch the first idea of CAD I project, research about Neufert: Architect's Data	7.12.2020	12.12.2020	2	01
Make 3D model on Rhino with Architect's Data	13.12.2020	19.12.2020	3	01
Edit the 3D model and report	20.12.2020	25.12.2020	4	01

Weekly report - Week 1

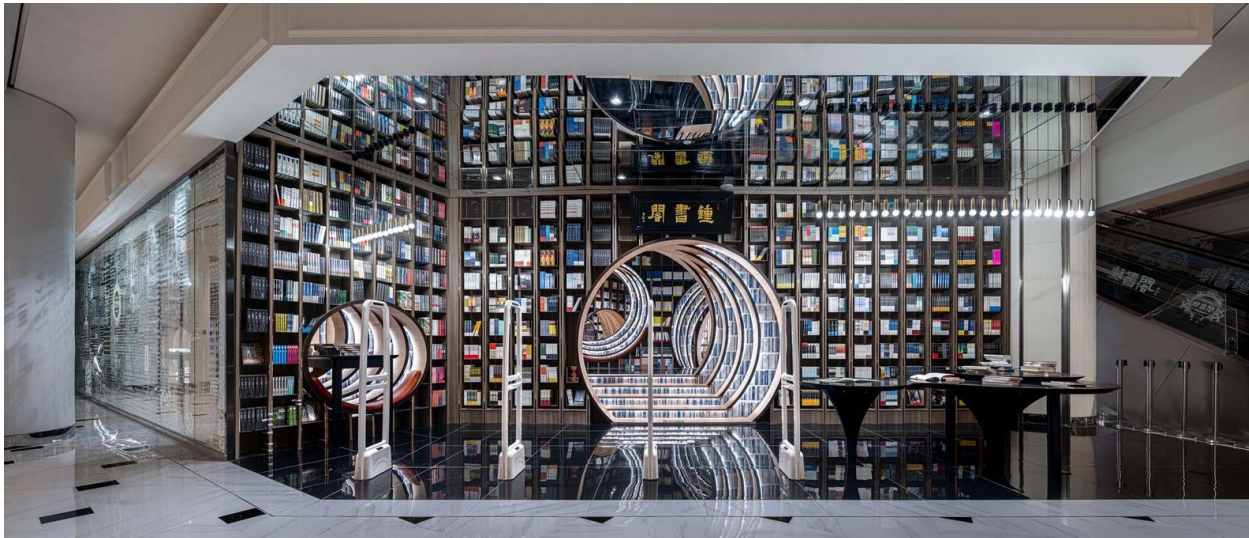
Content Progress: Research Denari Project.

Report on executed work in the week from 30.11.2020 till 04.12.2020

No. of work report: 01.

Research about Denari Project, make project first idea :

- First, in general, I had been confusing about Denari Project and the CAD I, finding in many ways to get the idea of this new “wall”.
- Second, in specific parts:
 - + Research Denari Project: understanding its function and apply it to my project.
 - + Make project first idea: I make a separator without doors so I find an idea by researching online and decide to make the gate have the tube shape, but still how to express the idea. Finally, I found a design which has the nearest form of my idea, which is the Zhongsuge Bookstore in Beijing Lafayette, curated by 韩爽 - HAN Shuang.



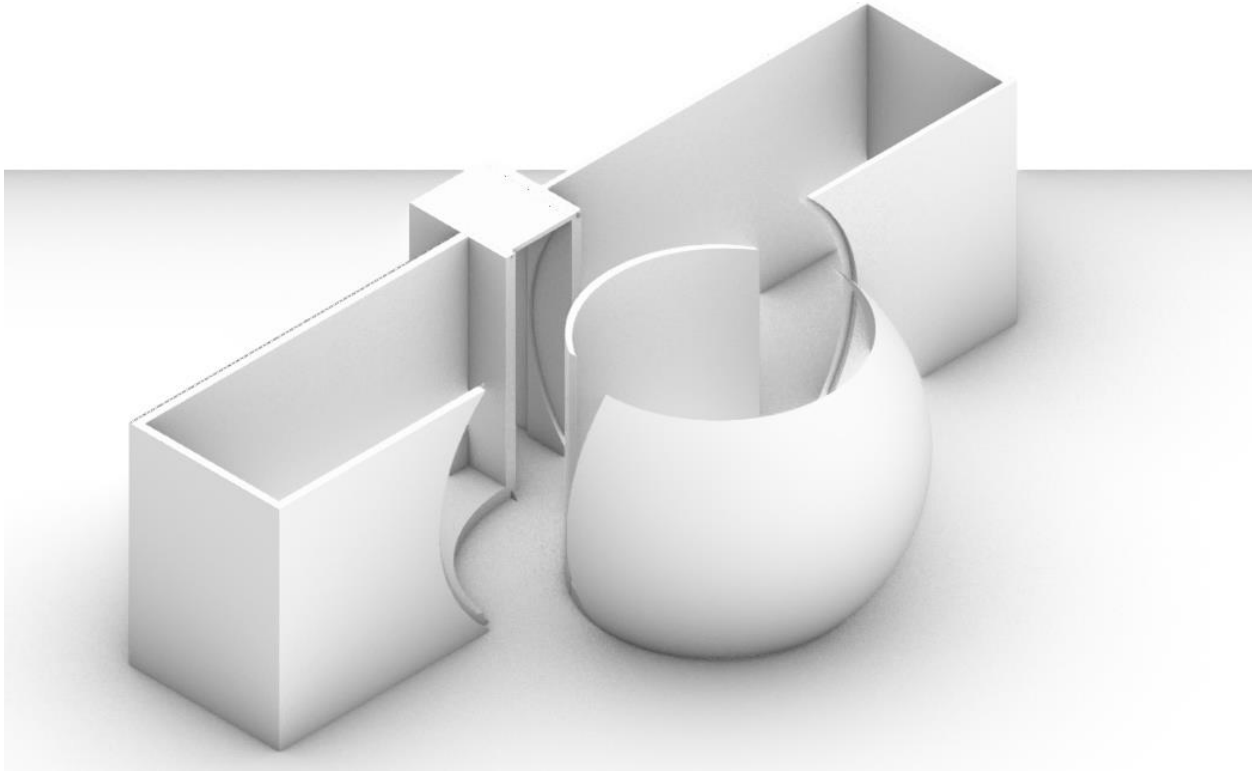
Weekly report - Week 2,3

Content Progress: Sketch the first idea of CAD I project, research about Neufert: Architects' Data, make 3D model on Rhino with Architects' Data.

Report on executed work in the week from 0.08.2020 till 14.08.2020

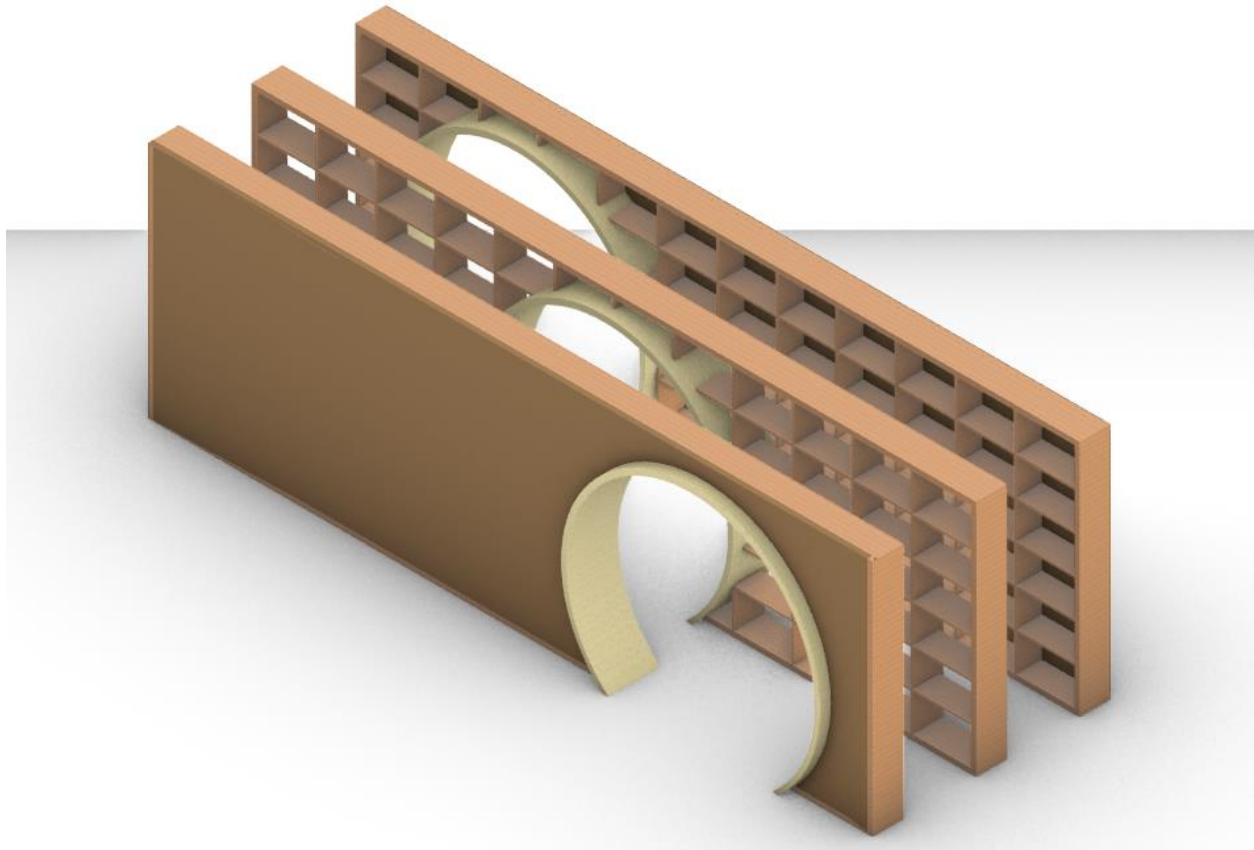
No. of work report: 01.

- In general, in the second and third week, I mostly focused on developing the separator and got some troubles with my first idea (Pict. 1) when present to the lecture. I just have changed the shape of the separator but kept its function as a small library without doors



Pict. 1: First idea with problems

And the after separator (Pict. 2)



Pict.2: Final project

+ The shapes of the first idea and the final one are different. In the first idea, the separator had followed the deconstructivist concept, but it has the difficulty in making the facade in reality, so the idea had been changed to make a simpler shape that follows the modernist concept.

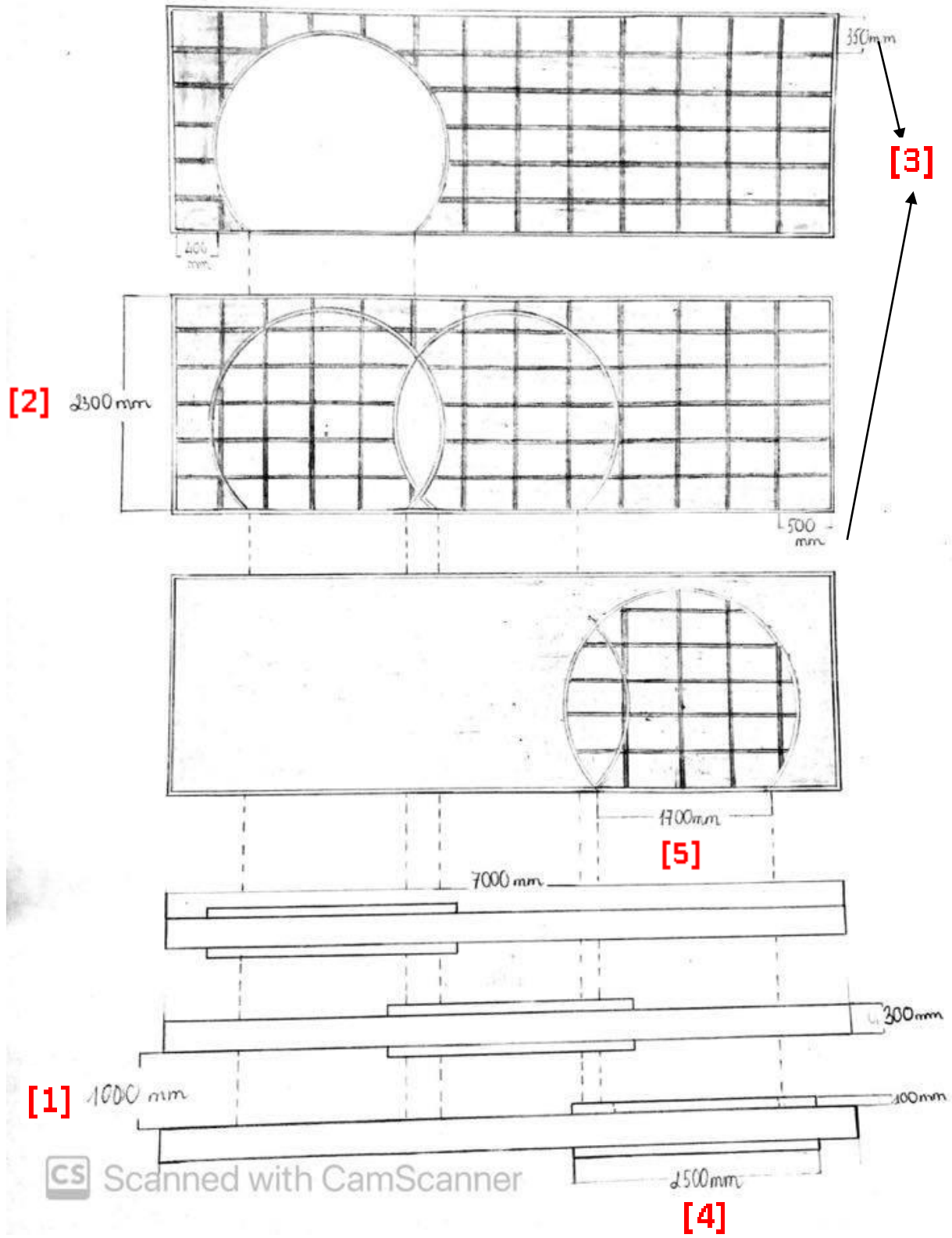
- In details:

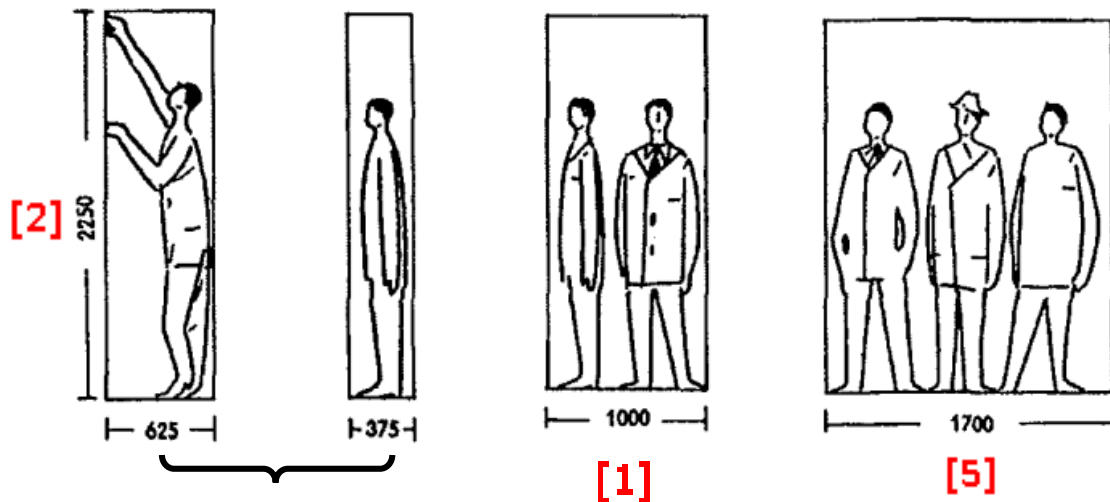
+ Layers: three bookshelves 7000mm length, arranged next to each other with a distance of 1000mm, fit for half of a person go through and a person choosing books ^[1], which height is 2300mm, which fits the high of a person who will pick the highest book ^[2].

+ Structure (beams and columns): grid form (350mm x 500mm each ^[3], which fit for books and small trees for decorations).

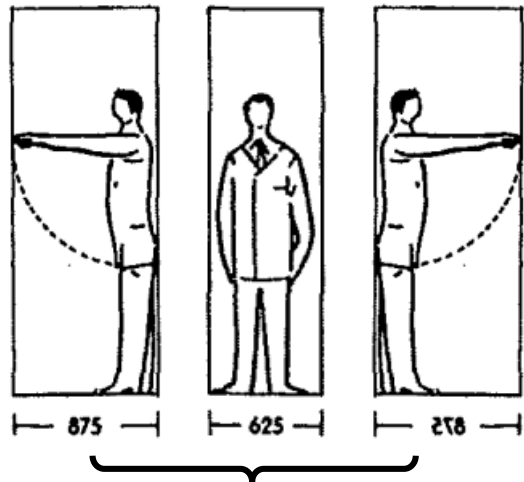
+ Gate: form with a circle (d = 2500mm) ^[4], its base has a width of 1700mm, which fits for 3 person go through at the same time ^[5].

Scale 1:50





[1]



Neufert: Architects' Data (Unit: millimeters)

+ Materials:

- Covers (big board outside): made of cork wood.



- Bookshelves: Oak wood (polished)
- Gates: Pine wood (long-lasting)



THE END