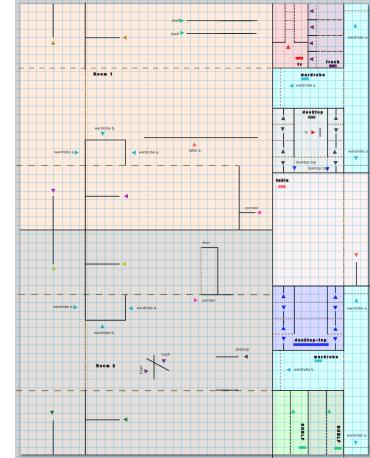


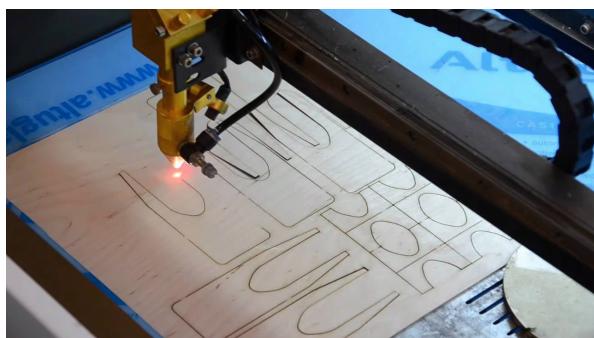
Project 1A - Part 2



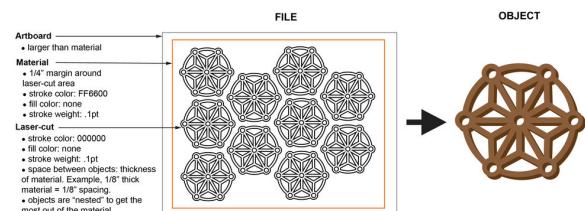
I am coloring them to make figuring out the groups easier



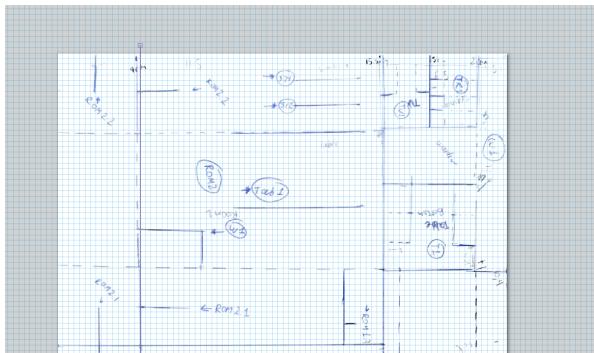
The **Original Idea** was to have it **laser cutted**. So I thought of creating the diagram using **svg** format. (So I could convert it into)



Laser Cutter

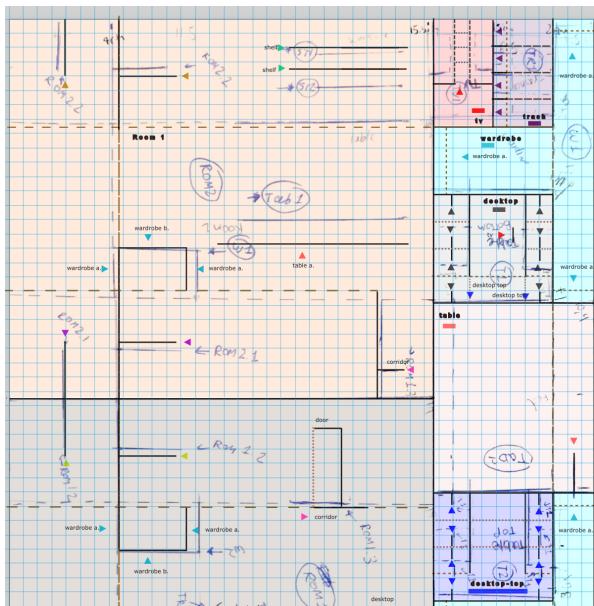


The only image format that the laser cutter accepts is the **Windows Bitmap (BMP)** format. The bitmap must be monochrome. Compatible with **svg** format.



So I added the scan to my Inkscape and created the rulling to help me trace everything.

My goal for this iteration was to improve the readability of my diagram. Since it contains multiple pieces and between pluggin and pushing, you had multiple items to push.



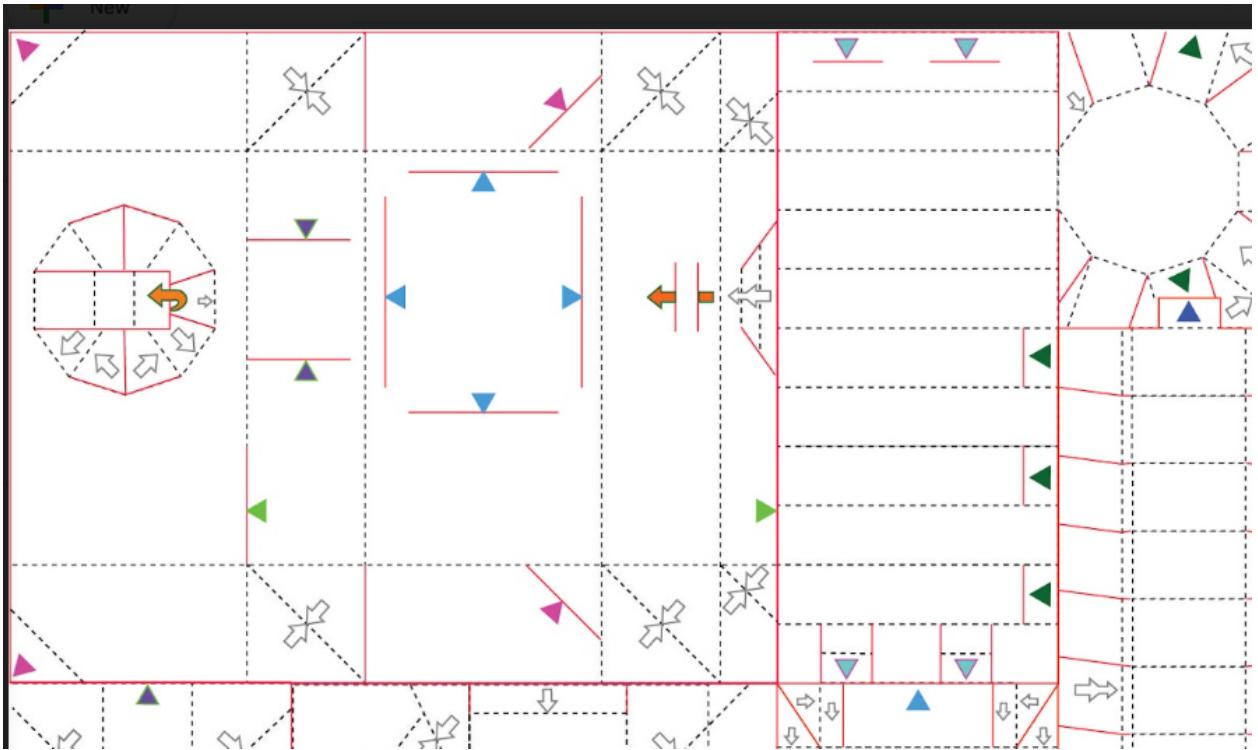
Here you can see the diagram with the drawn diagram from the previous iteration exposed.
(hidden on build.)

A	B	C
4	4	
6	10	
4	14	
4	18	
6	24	
4	28	

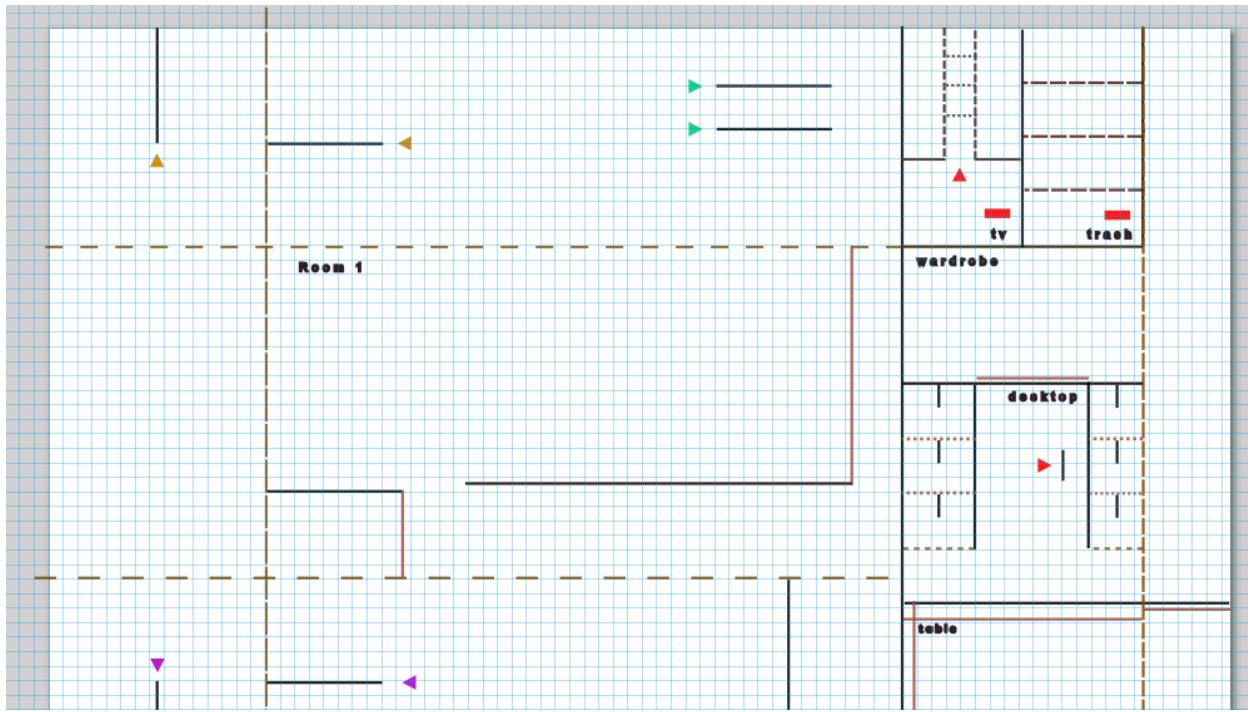
4	4
11.5	15.5
1.5	17
2	19
1	20
4	24

4	4
2.5	6.5
4	10.5
7	17.5
4	21.5
2.5	24
4	28

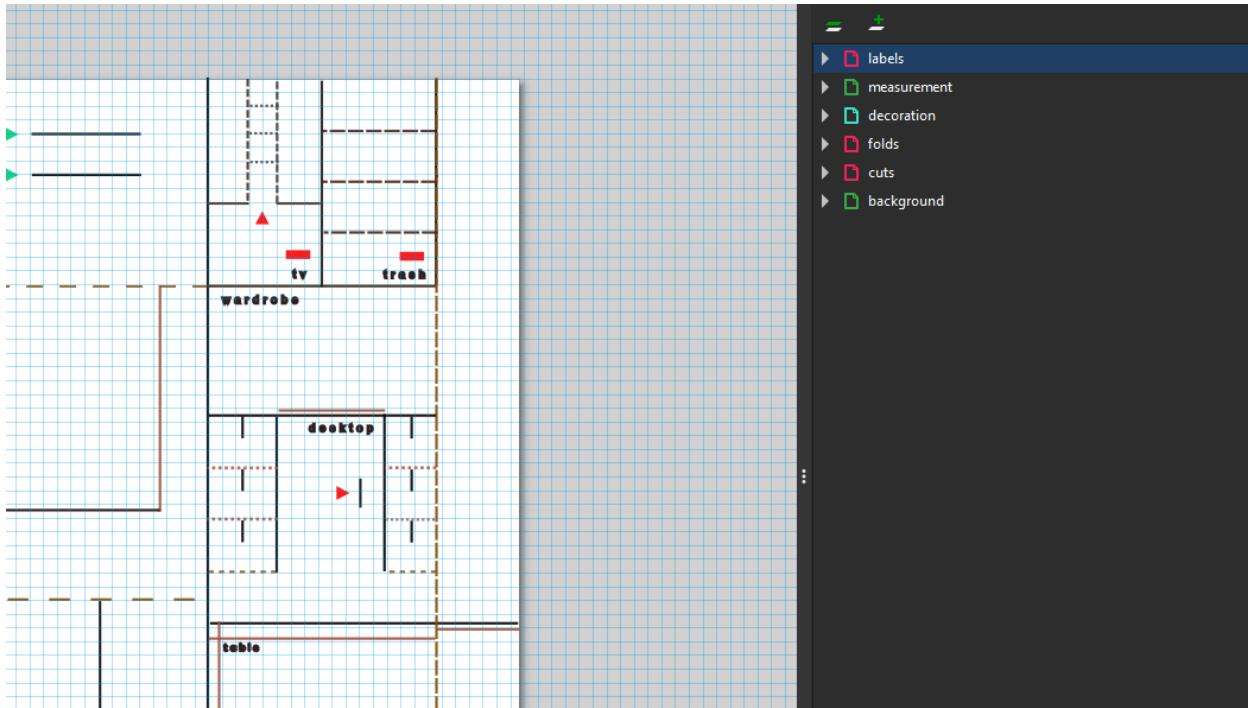
To run my calculation I had an [excel](#)



I took heavy inspiration from the example diagram, I loved how she colored where things were supposed to be plugged in.



I took inspiration from the colors to refer as to indicated what is plugged where. I also like the futuristic presentation it provides. (It looks cool)



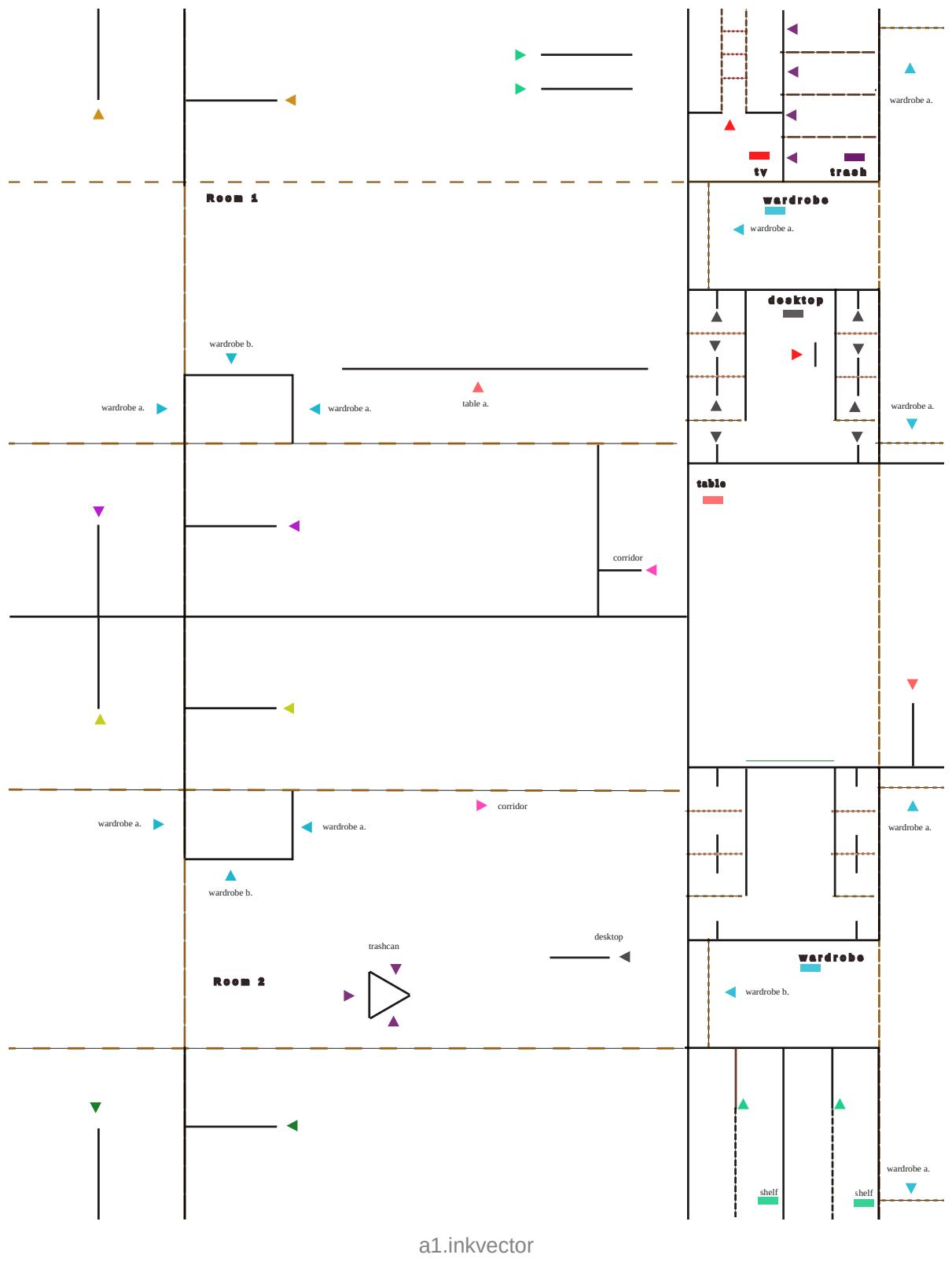
I separated them into different layers, so I can also delete the measurements, who are there just for measuring the inputs.

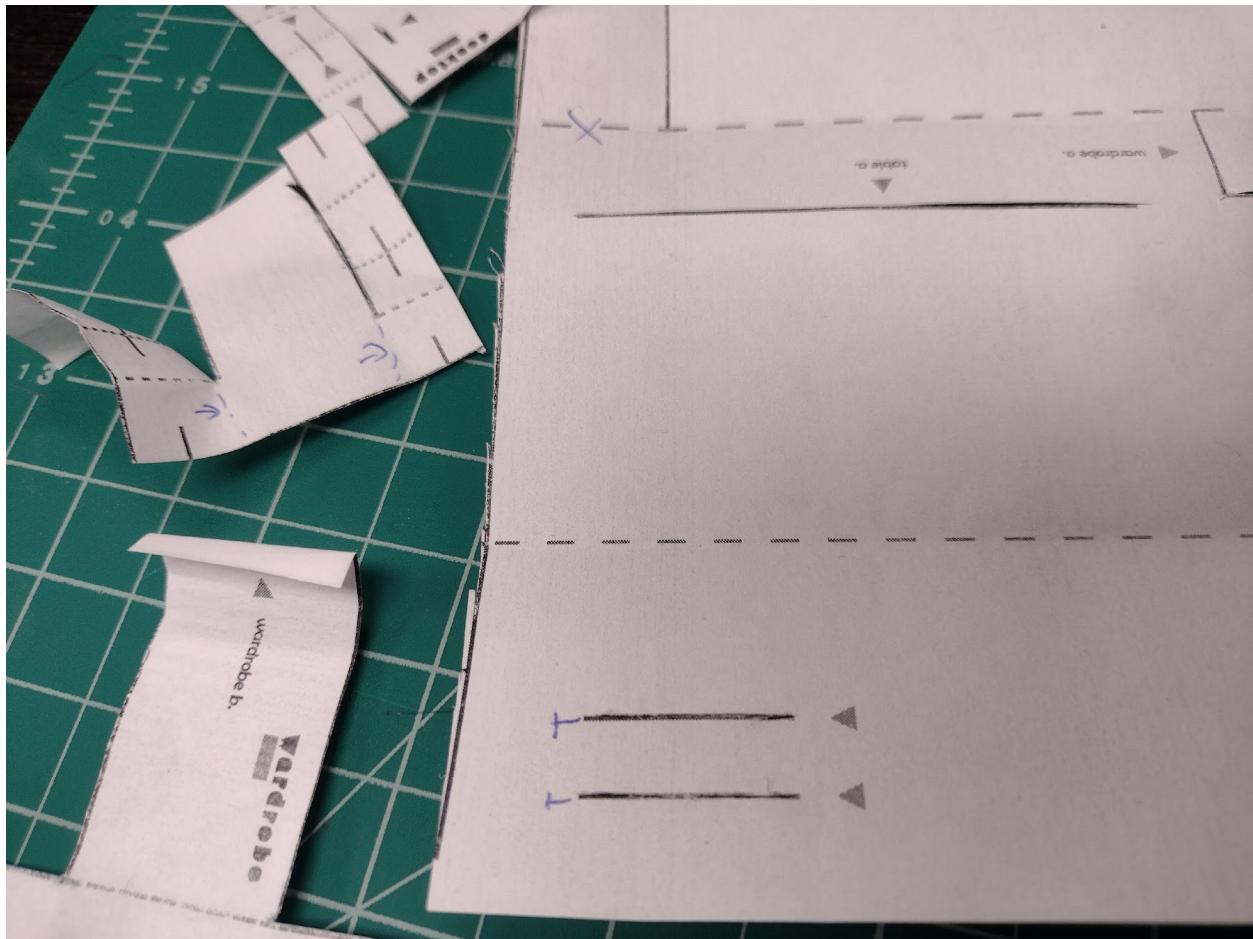


Summary of things I tried

- Grouping and layerizing
- Color coding components
- Color coding signs
- Using different formats to differentiate between components namings, and what component to put where
- Version Control

▼ SVG File ✨





Having a printable diagram meant that I could sketch over the diagram for improvements on the next iteration

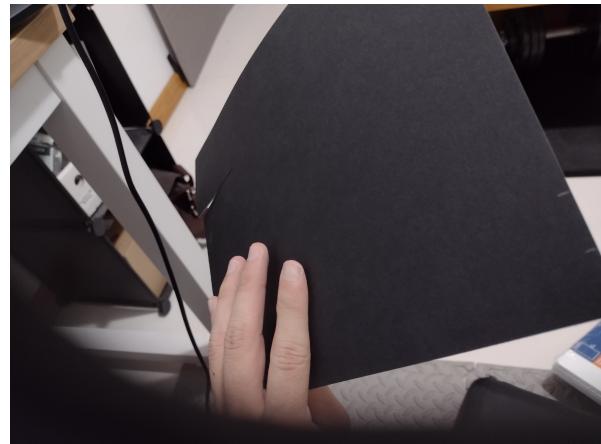


What I learnt

- Digital Format while building is supreme
- Importance of distributing things in different layers
- Importance of naming
- Colors are useful as it helps recognizing what goes where easily.

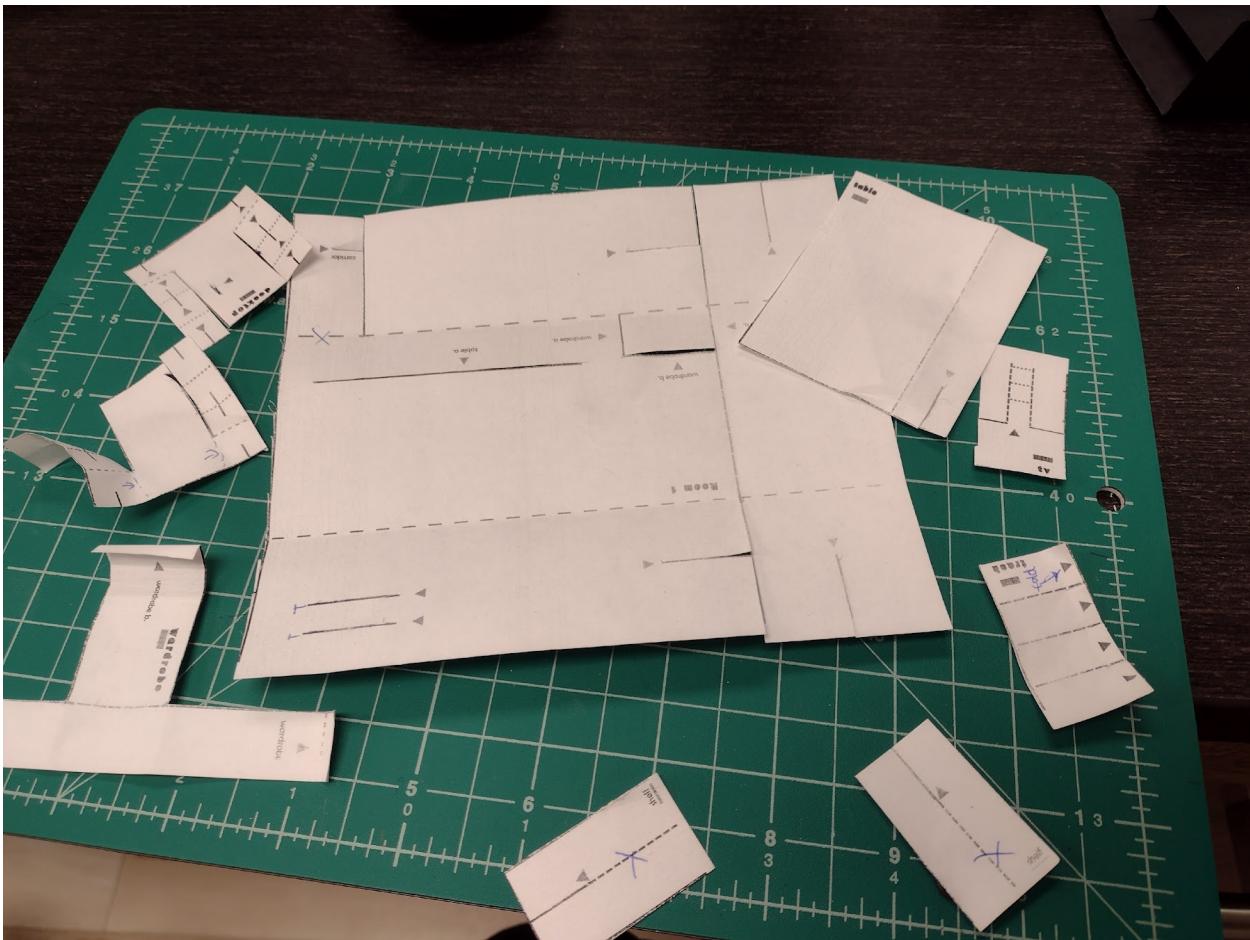
Experience Crafting it

- The advantage of having the diagram designed digitally, is that you can print it and easily having annotations modifying , and colors, are easier (and cheaper) to modify
- Also another advantage is that I would be able to print the diagram, paste it on the black sheet and make the cuts on it.

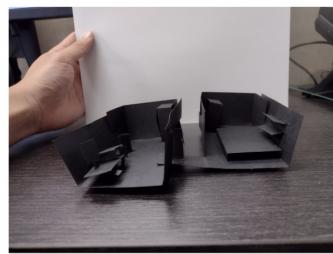
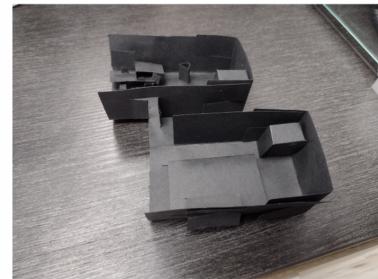
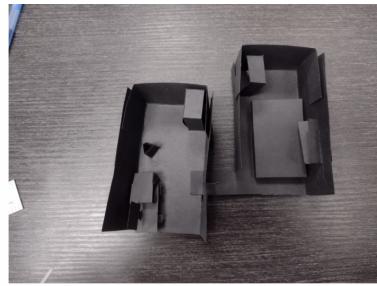


I pasted small paper scotches in each module

- Another advantage is version control. Currently you can preview my version control of the project in this [github repository](#)



After cutting and folding the paper, you could remove the cutted diagrams



Inkscape Commands

Here some useful shortcuts I found for Inkscape

<https://s3-us-west-2.amazonaws.com/secure.notion-static.com/5a2b24f5-ed1e-48f7-bc5d-ed28e076c541/artd-house-diagram-pdf.pdf>

- Ctrl Shift L for the layers
- M for measurement



Next time

- Presentation, highlight, Start with more images of the project
- Talking about the concepts
- Process and details behind it on the end.

