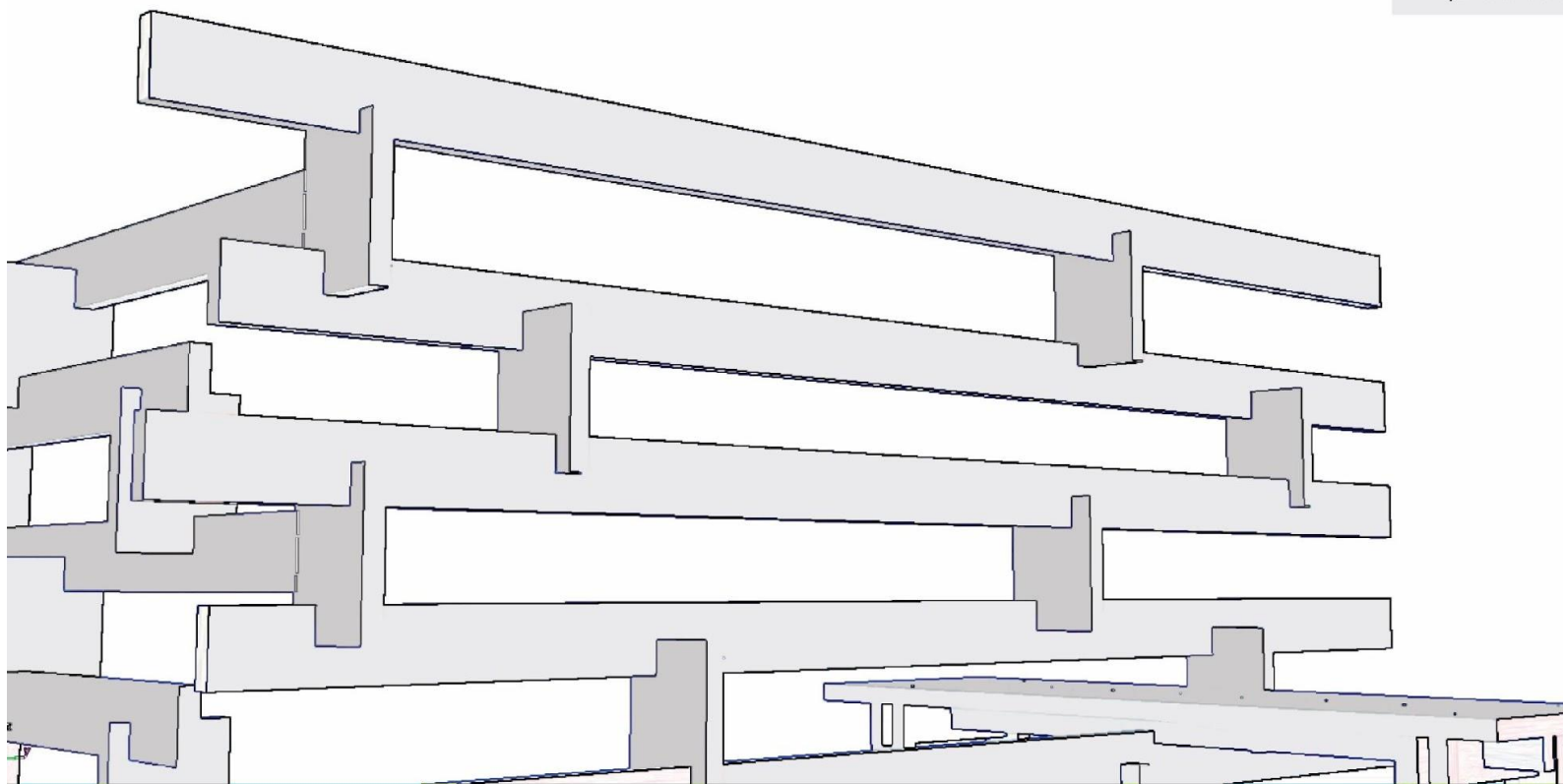


**project week assignment /**  
process book by Vlada Naletkina



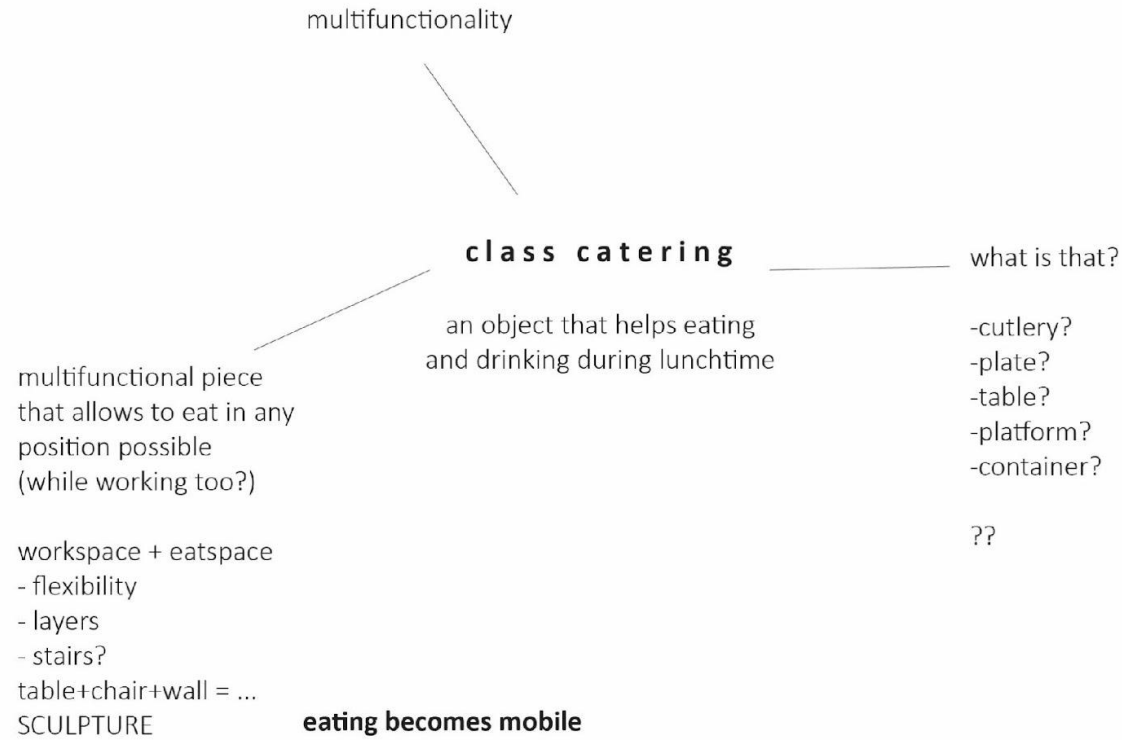
## INTRODUCTION

### **assignment:**

Design a CNC cut object that will help the eating and drinking during lunchtime or overtime.

Material: MDF (2440 x 1220 x 18 mm)

Glue as a way of connecting elements is not welcome. There should be solid thoughtful connection to be able to easily assemble and disassemble an object if it's needed.

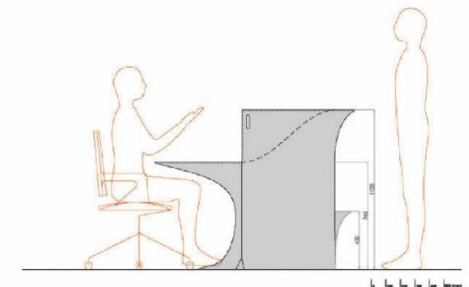


swedish buffet (more developed) with hot dishes  
buffet- 'fourchette' (fork)  
finger buffet  
banquet



reference /

**'SUM' (2004) by Gispen**  
an object to work at,  
to sit on and talk.



wall  
 bar  
 table  
 chair  
 storage

DWG format  
 model → subtract models ( )  
 snapping (building 3D shape in persp. to camera)  
 snapping  
 Frei Otto (1989)  
 shelter  
 visiting school  
 one-week workshop

modify → clip surface  
 cuts object in 2

menu → modify → group  
 offset → set line → draw one line → compass → closed?

from 2D to 3D (model - extrude)

align objects (modify → align → distribute objects)  
 classes - design layers - views

come together  
 no determination  
 of how to use?  
 use however you prefer / feel

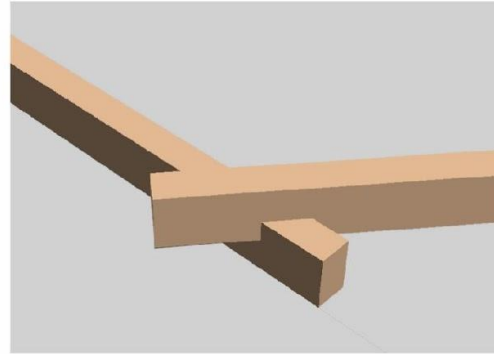
1:10  
 2000 x 1220

## SKETCH MODEL

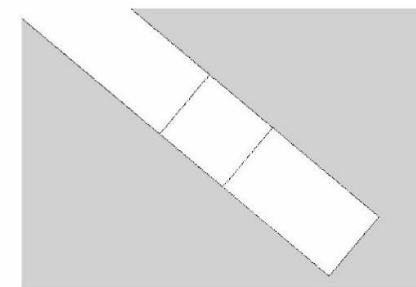
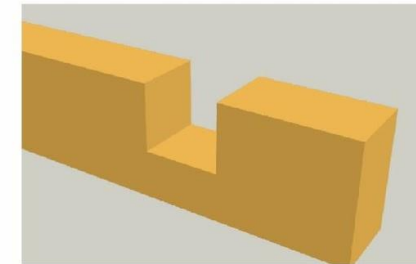
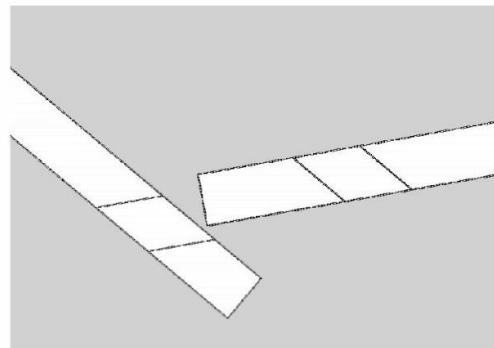
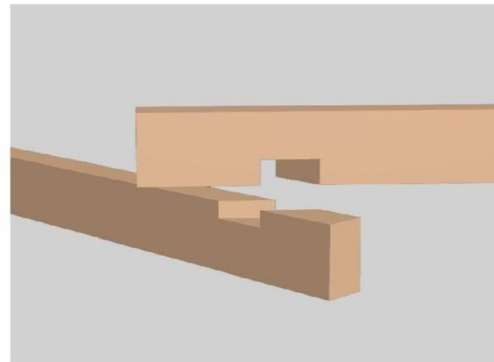


sitting places within the 'wall/fence'  
allow to create different experiences by moving  
the benches; alone/together, inside/outside relation

## CONNECTION



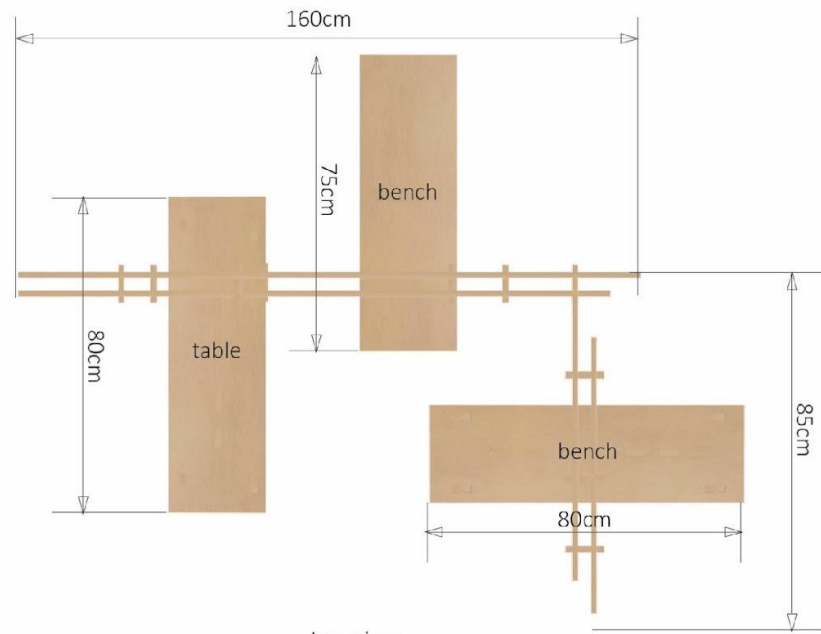
I stacked wooden beams up by creating the 'wall'. The problem was that CNC milling machine does only straight mortises so I had to find a solution.



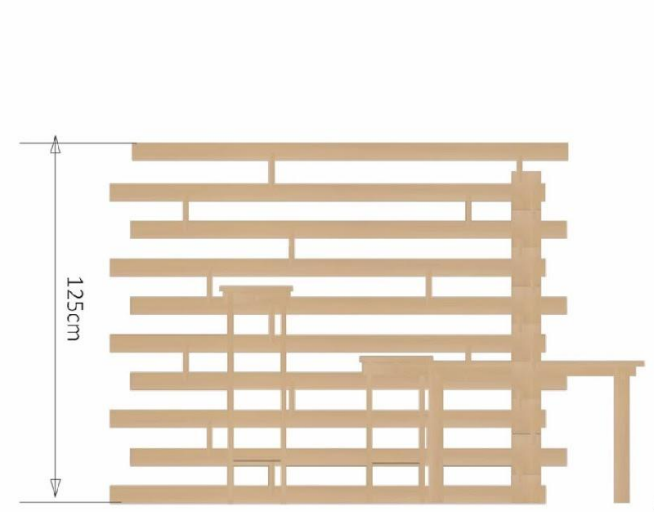
this is how it should be, but with straight angle the 'wall' structure doesn't make sense anymore (it won't be a circle-ish shape)







top view



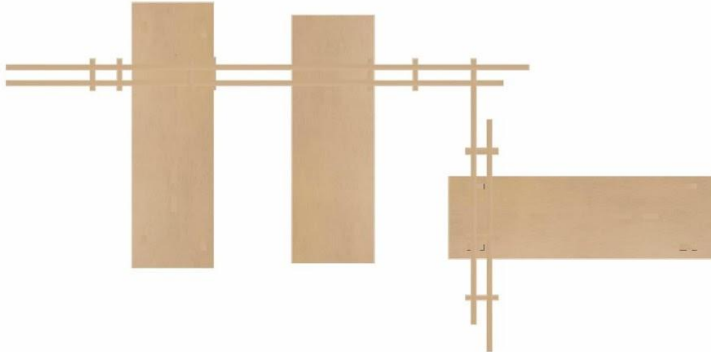
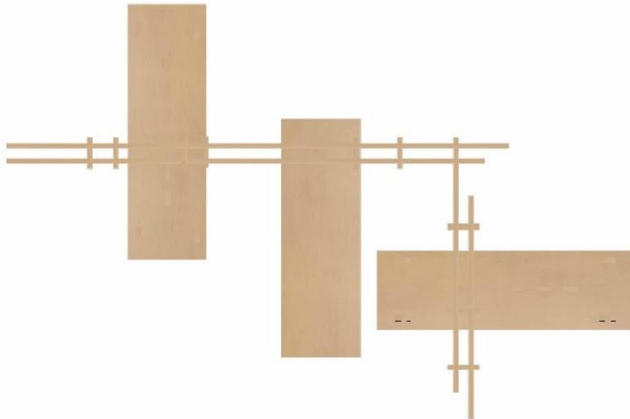
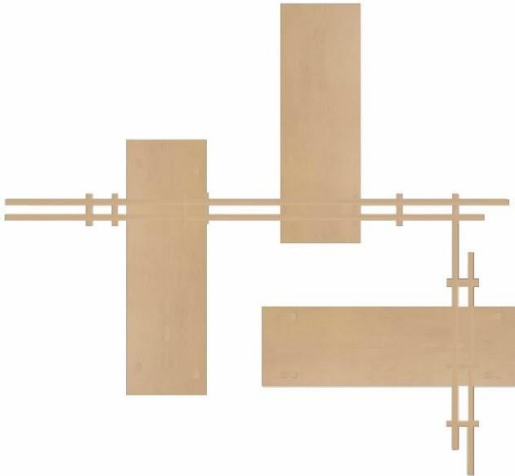
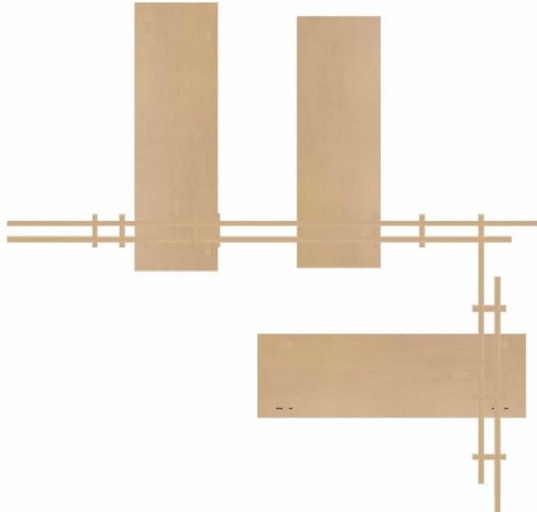
front view



left view



examples of different configurations



Laser cut object  
scale 1:5

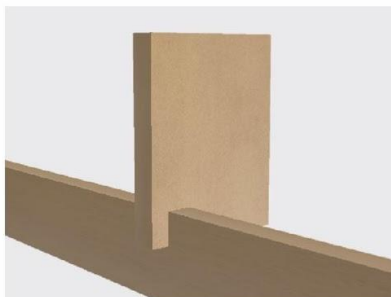
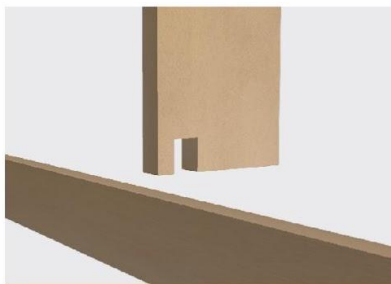




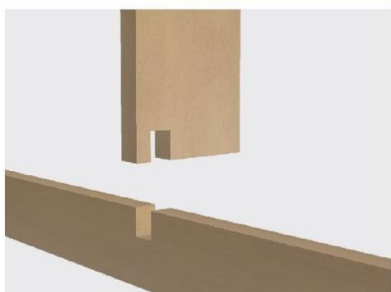
**Couple of things have to be fixed before creating a file for CNC milling machine.**

1. Connections.  
Laser cut test proves that connection between elements is not strong enough.
2. to create more solid connection underneath the table and bench to make it stable.

1. connections of the 'wall'



current connection

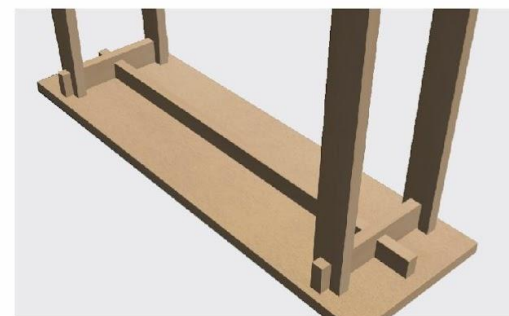


should be this

2. connections of the table/bench bottom

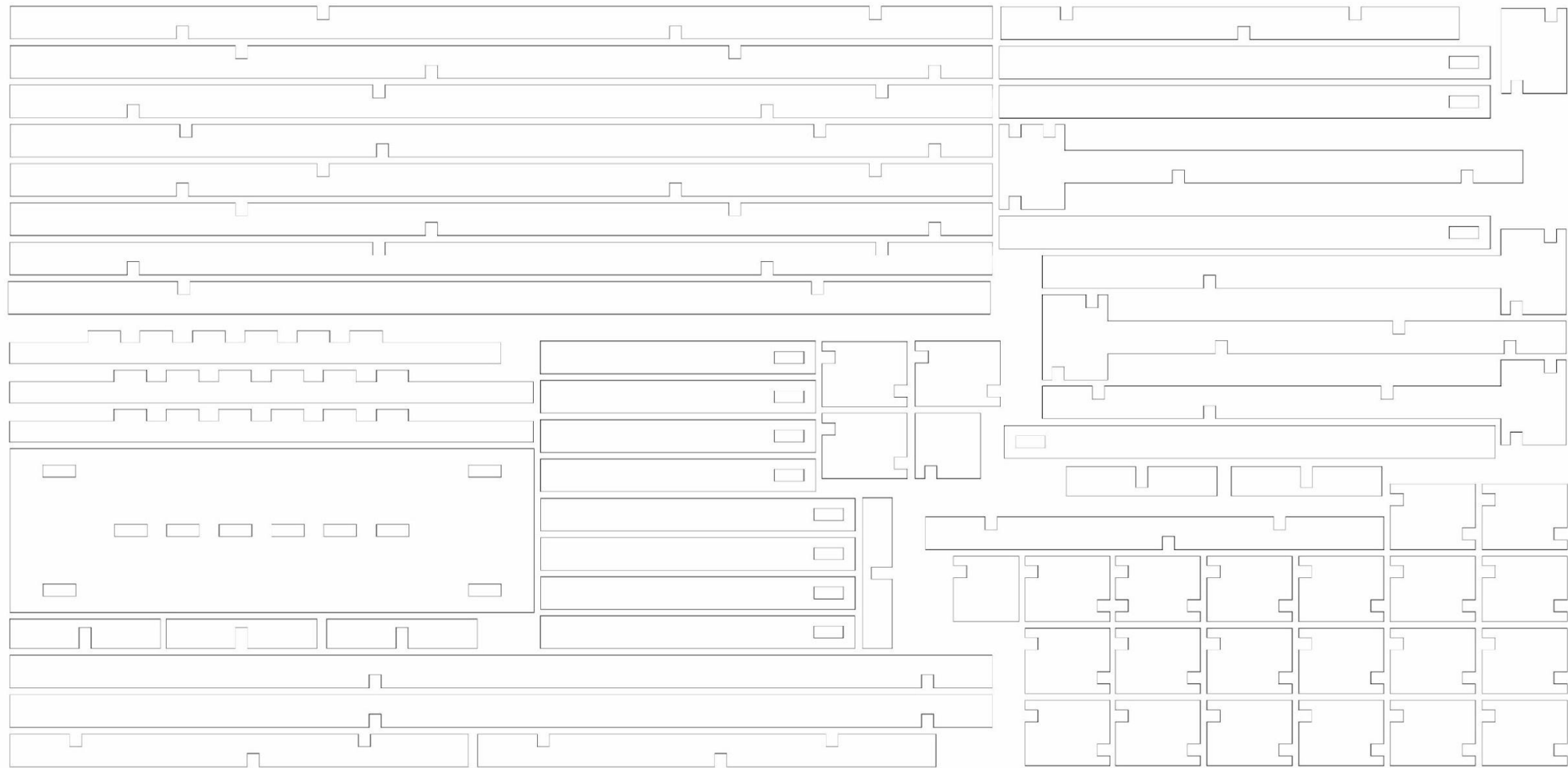


current connection



should be this

The file prepared and ready to be milled





process





Time to build!







1



2



3



4



5



6



7



8











Details

