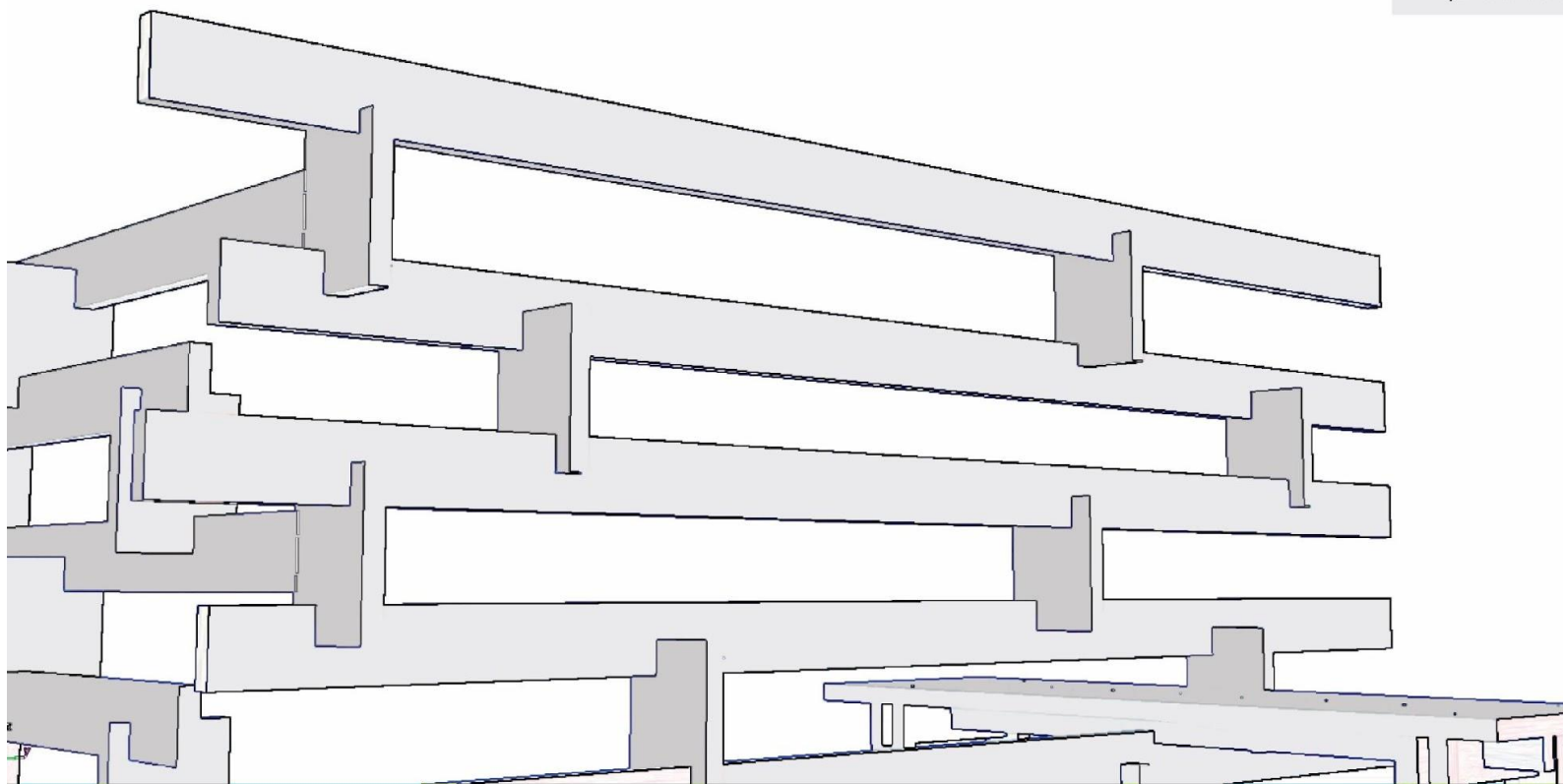


**project week assignment /**  
process book by Vlada Naletkina



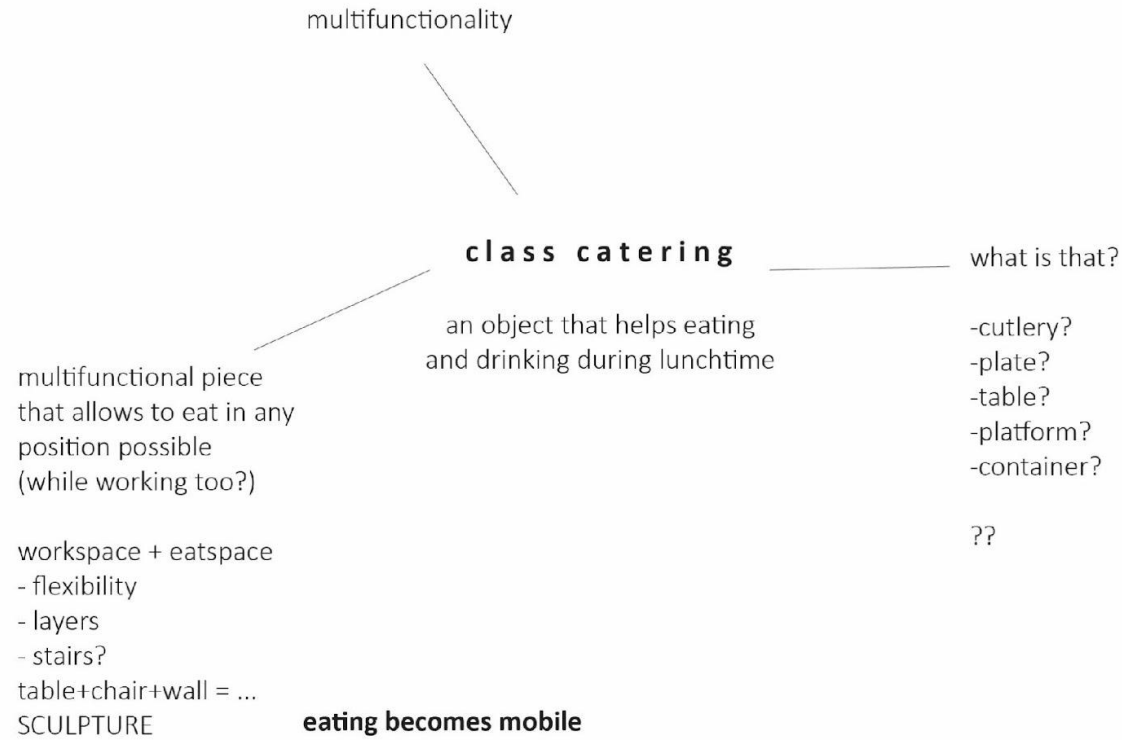
## INTRODUCTION

### **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.

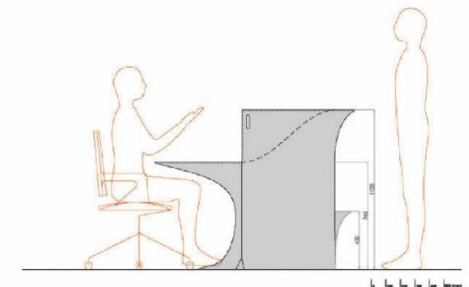
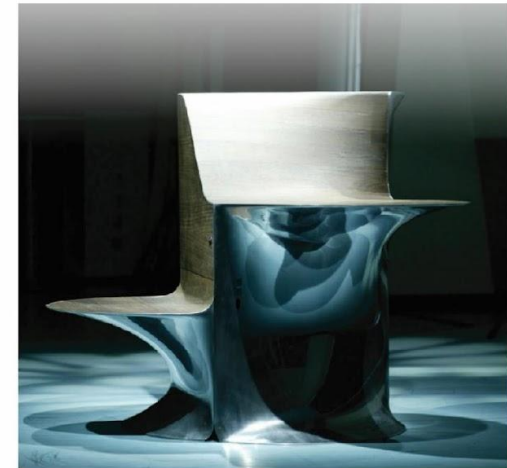


swedish buffet (more developed) with hot dishes  
buffet- 'fourchette' (fork)  
finger buffet  
banquet



reference /

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



SKETCHES

Wall  
bar  
table  
chair  
storage

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

DWG format  
model → subtract models

snapping (building 3D shape in persp. to camera)  
snapping

Frei Otto (1939)  
shelter

visiting school  
one-week workshop

modify → clip surface  
cuts object in 2

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

from 2D to 3D (model - extrude)

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

1:10  
2000 x 1220

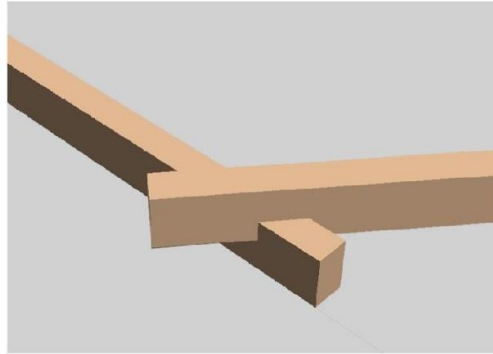
3/2

## SKETCH MODEL

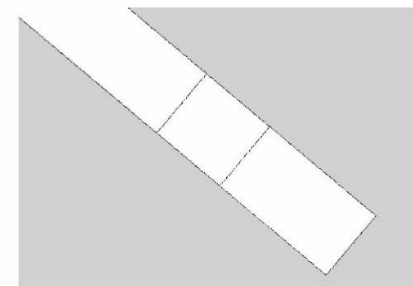
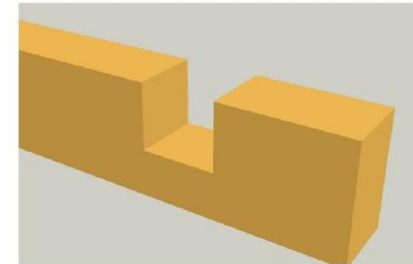
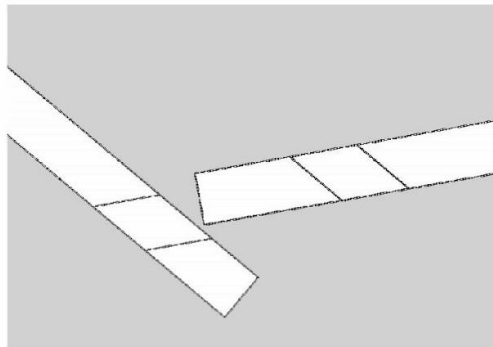
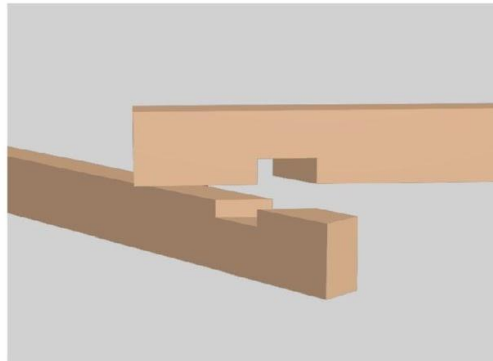


sitting places within the 'wall/fence'  
allow to create different experiences by moving  
the benches; alone/together, inside/outside relation

## CONNECTION

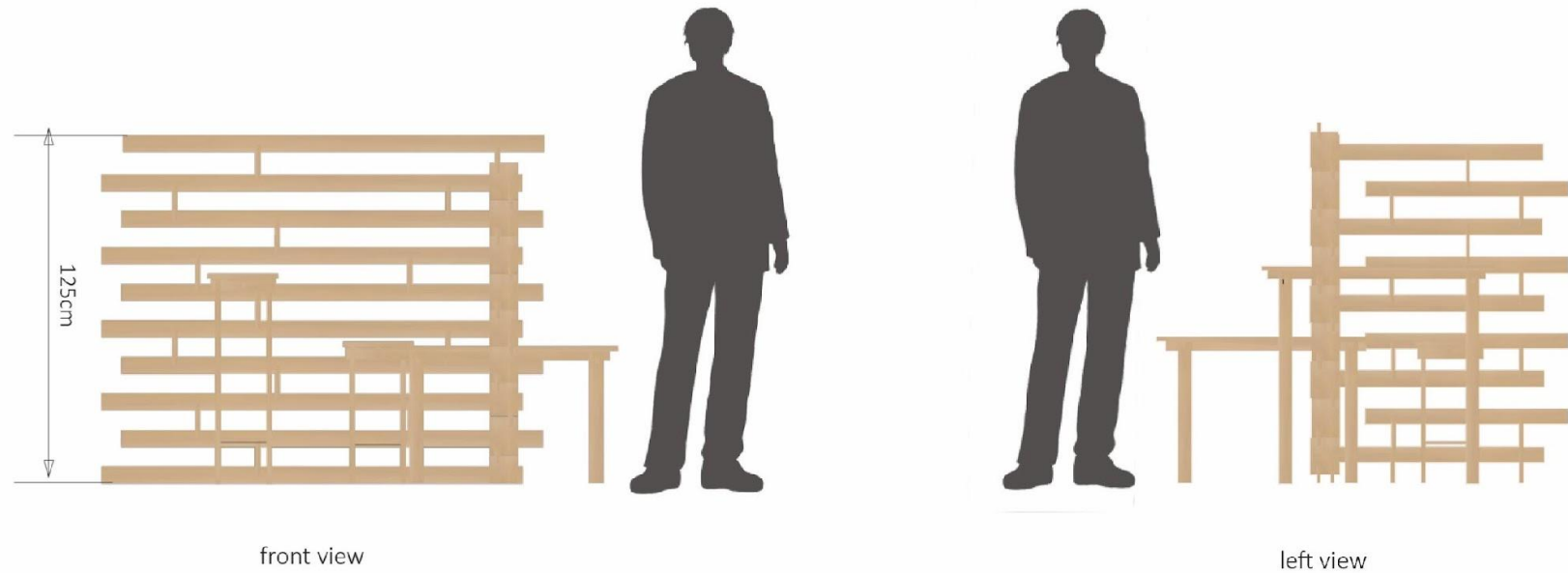
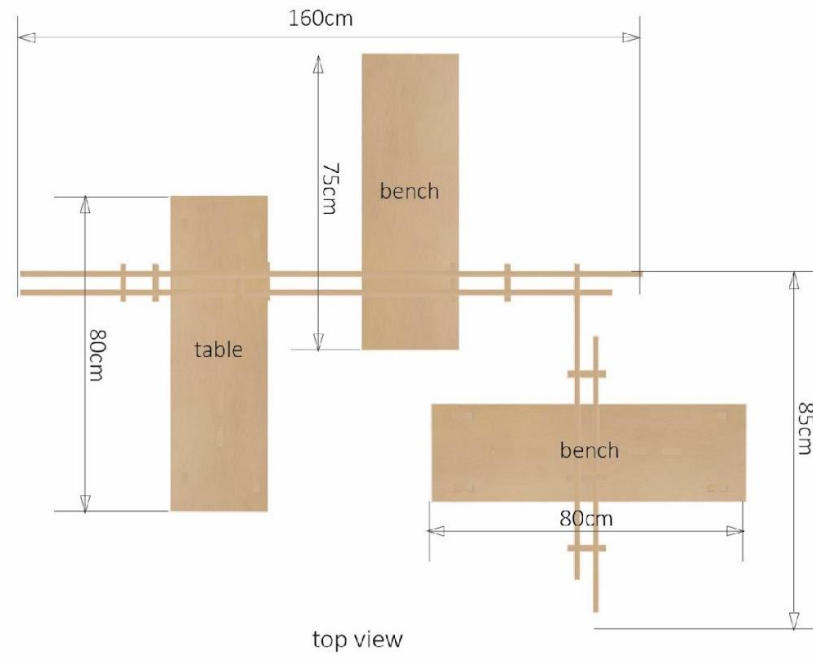


I stacked wooden beams up by creating the 'wall'. The problem was that CNC milling machine does only straight mortises so I had to find a solution.



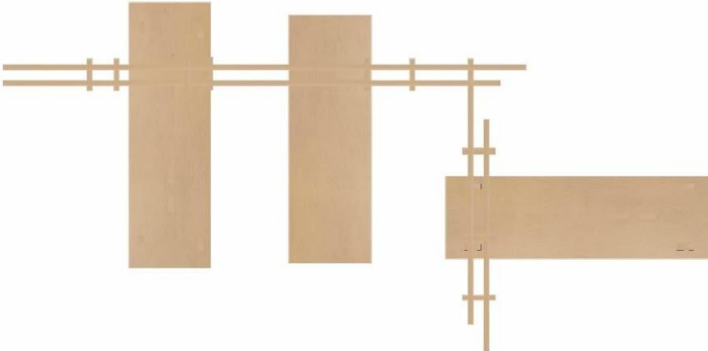
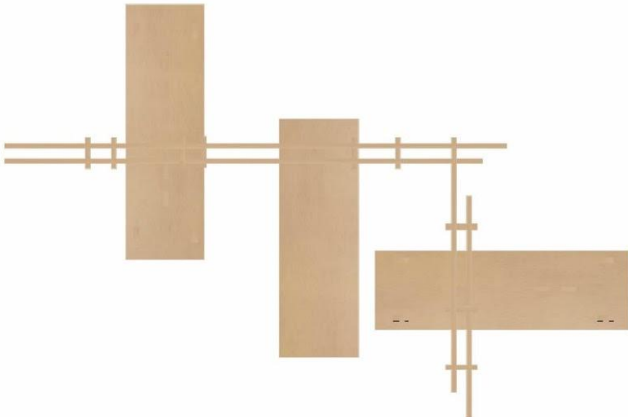
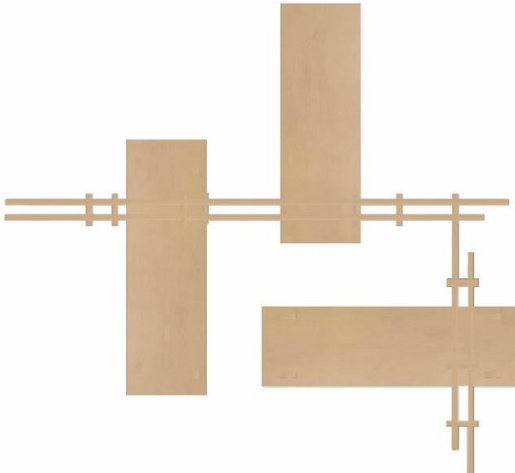
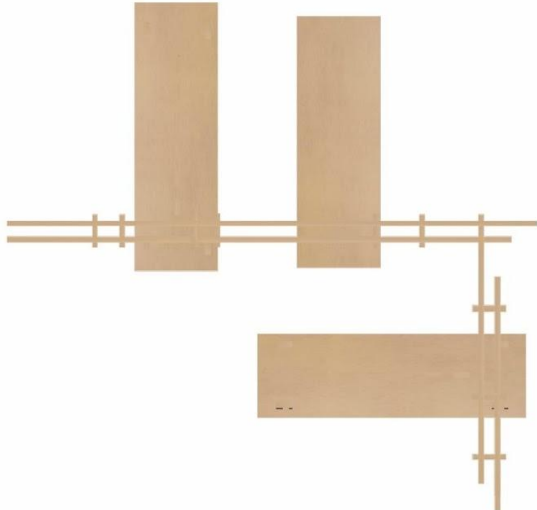
this is how it should be, but with straight angle the 'wall' structure doesn't make sense anymore (it won't be a circle-ish shape)







examples of different configurations



Laser cut object  
scale 1:5

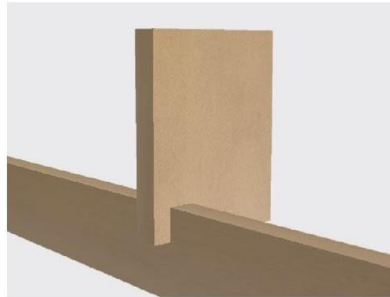
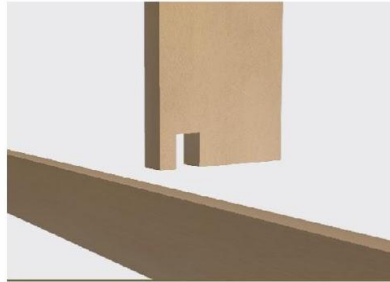




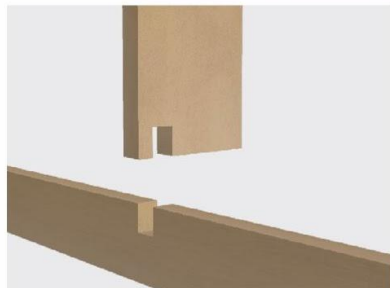
**Couple of things have to be fixed before creating a file for CNC milling machine.**

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

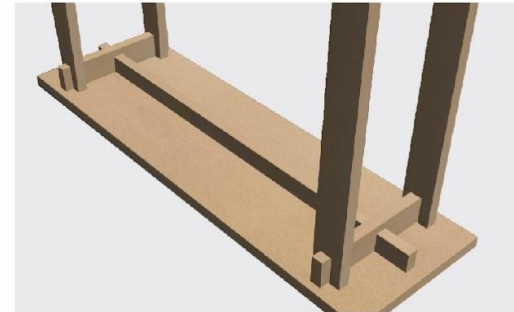


should be this

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

