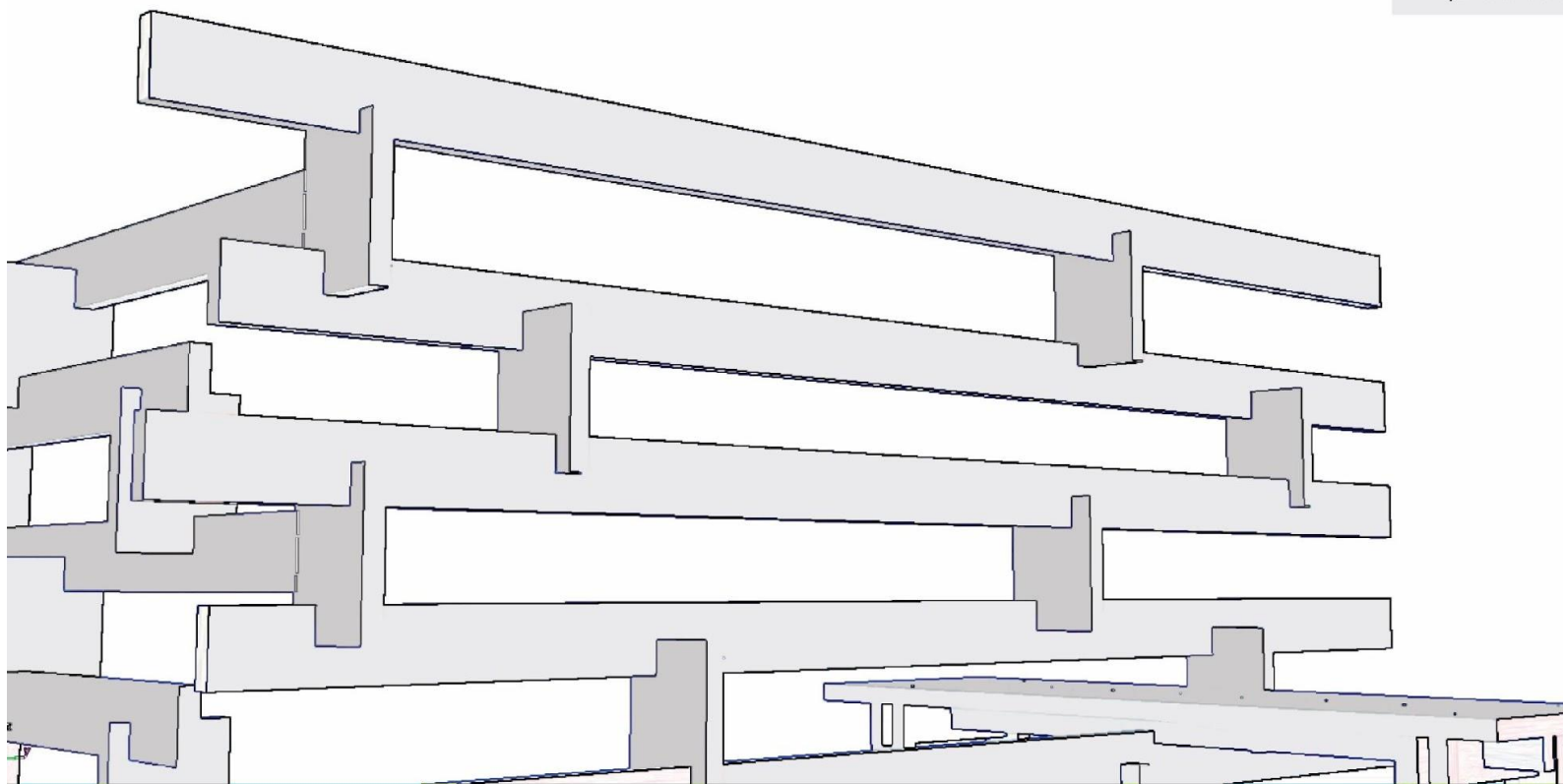


project week assignment /
process book by Vlada Naletkina



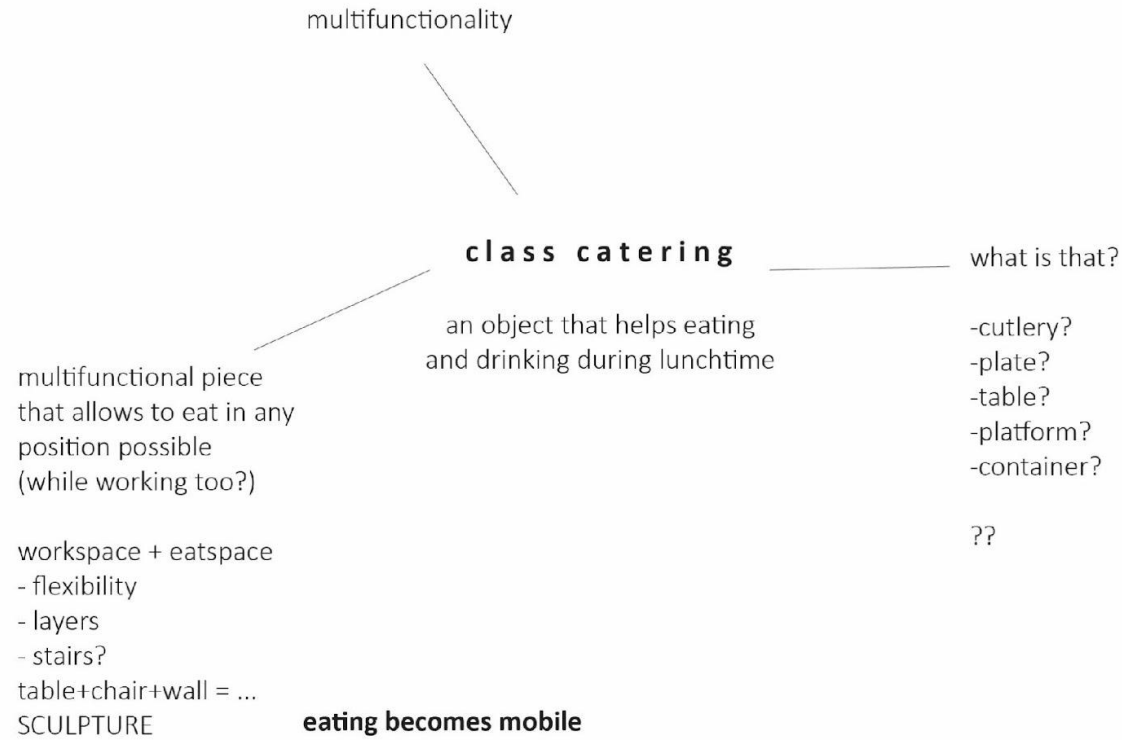
INTRODUCTION

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.

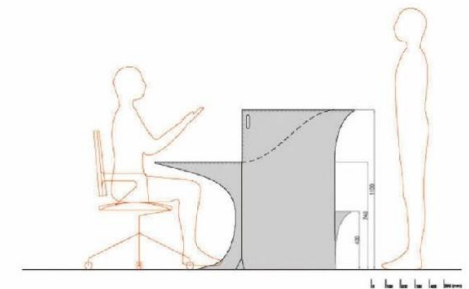


swedish buffet (more developed) with hot dishes
buffet- 'fourchette' (fork)
finger buffet
banquet



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
 2000/12/20

3/2

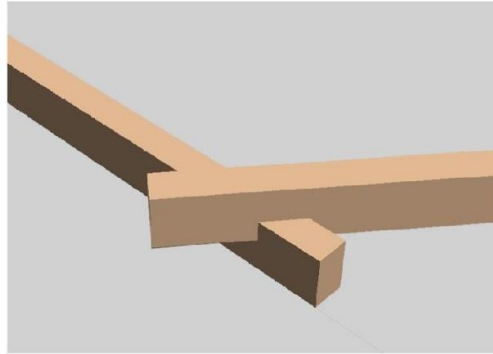
def. layers for cut and engrave

SKETCH MODEL

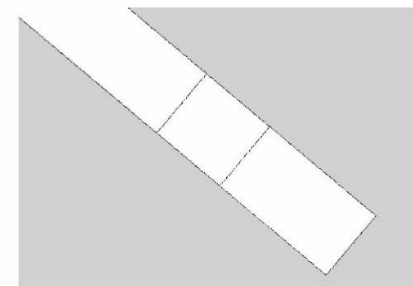
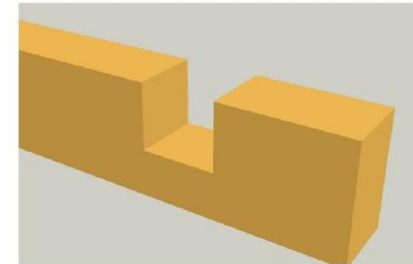
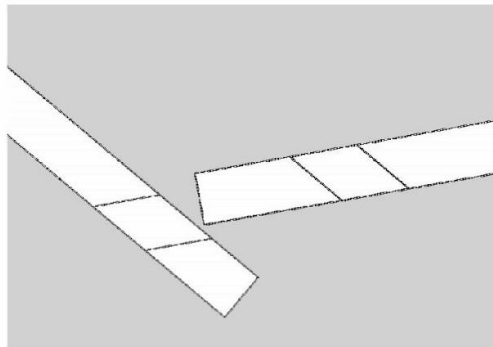
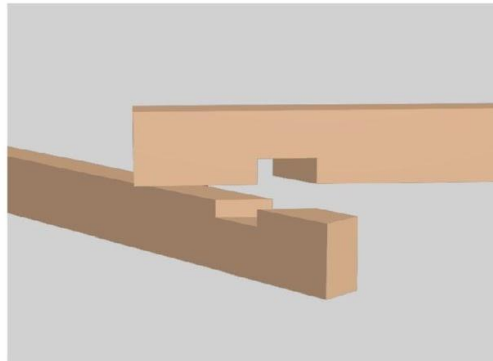


sitting places within the 'wall/fence'
allow to create different experiences by moving
the benches; alone/together, inside/outside relation

CONNECTION

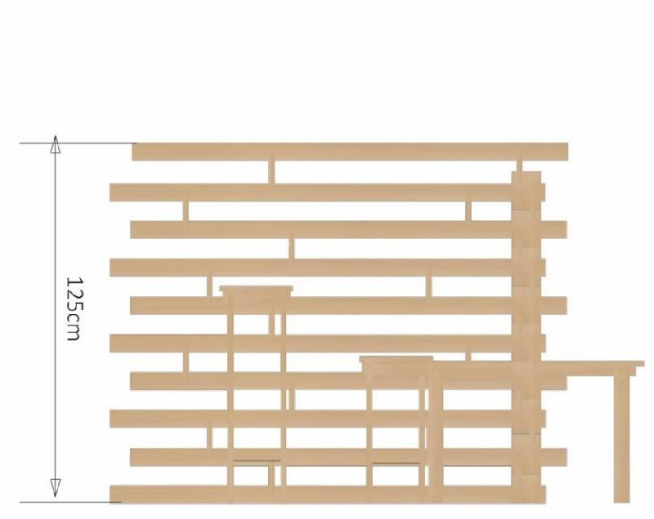
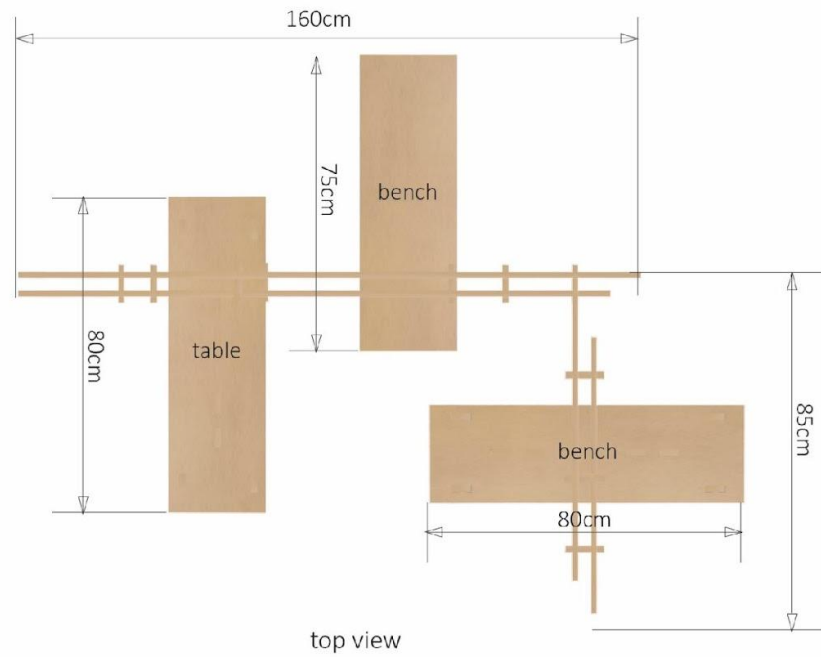


I stacked wooden beams up by creating the 'wall'. The problem was that CNC milling machine does only straight mortises so I had to find a solution.

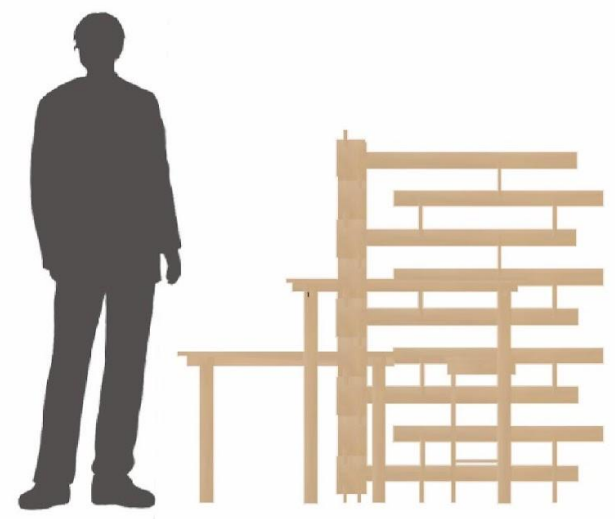


this is how it should be, but with straight angle the 'wall' structure doesn't make sense anymore (it won't be a circle-ish shape)



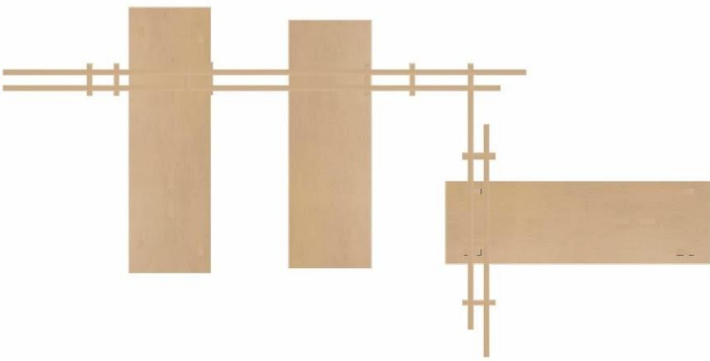
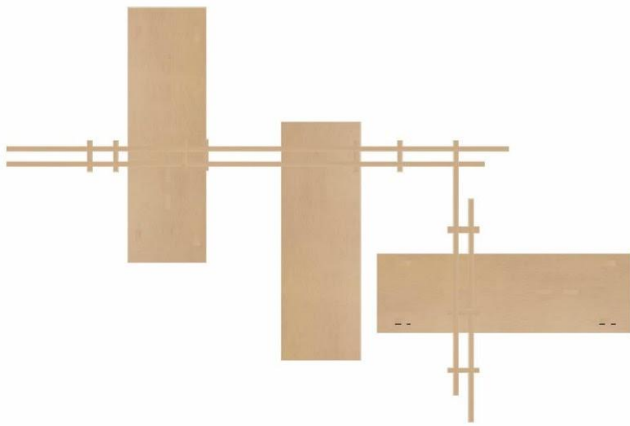
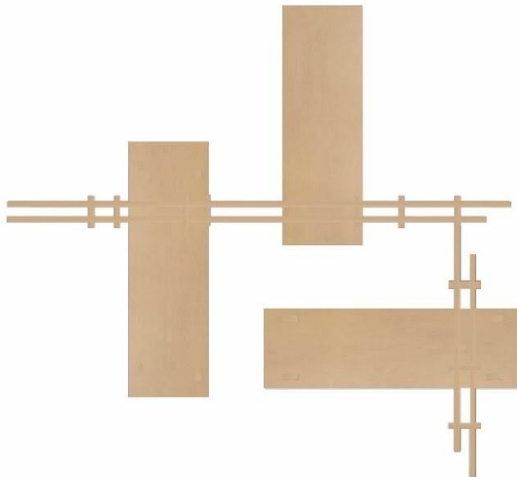
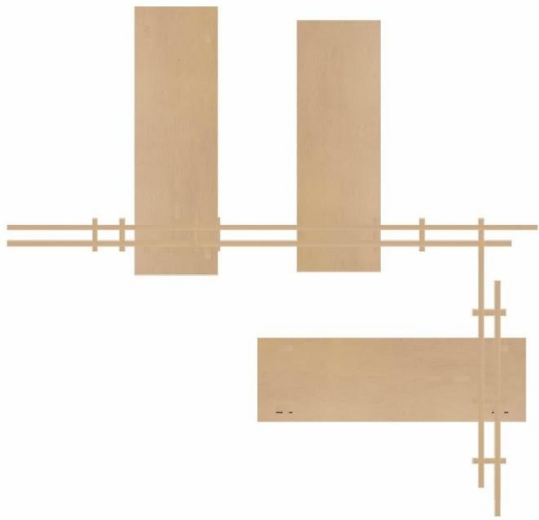


front view



left view

examples of different configurations



Laser cut object
scale 1:5

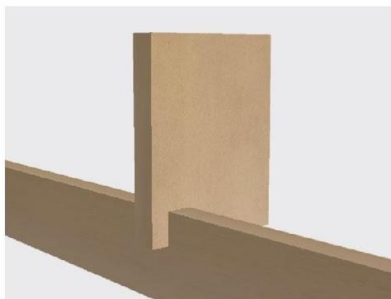
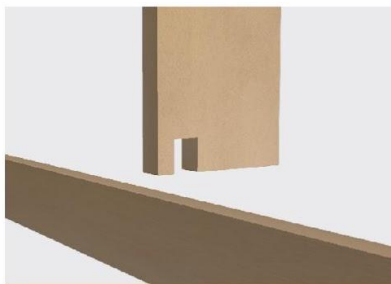




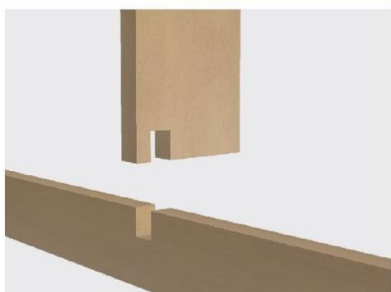
Couple of things have to be fixed before creating a file for CNC milling machine.

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

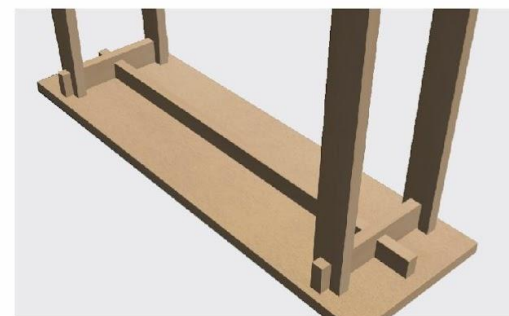


should be this

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

