

TITLE

# A BED FOR MY DAILY'S

DATT 2940 FOUNDATIONS OF 3D DESIGN AND FABRICATION BY MICHAEL LONGFORD

TERM

FALL 2023-2024

NAMES

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# DESCRIPTION

After completing my second, more abstract project, I aimed to create something practical for everyday use, compact enough to accompany me on my flight home. My search using specific keywords led me to design an iPhone stand for my bedside table. I combined different designs to craft the perfect version for my needs.

The primary enhancement involved adding a hole in the part where the phone rests, allowing it to be charged while remaining on the stand. Another improvement was the adjustable seat part, enabling a better horizontal view of the phone.

Using a laser cutter, I engraved a pattern inspired by pictures from my research but designed by myself. With extra time on hand, I created a second stand for my watch, choosing 3D printing over the laser cutter. The round shape where the watch sits drew inspiration from Lamborghini rims, serving as a motivational trigger for me every morning, as cars are a significant passion of mine.

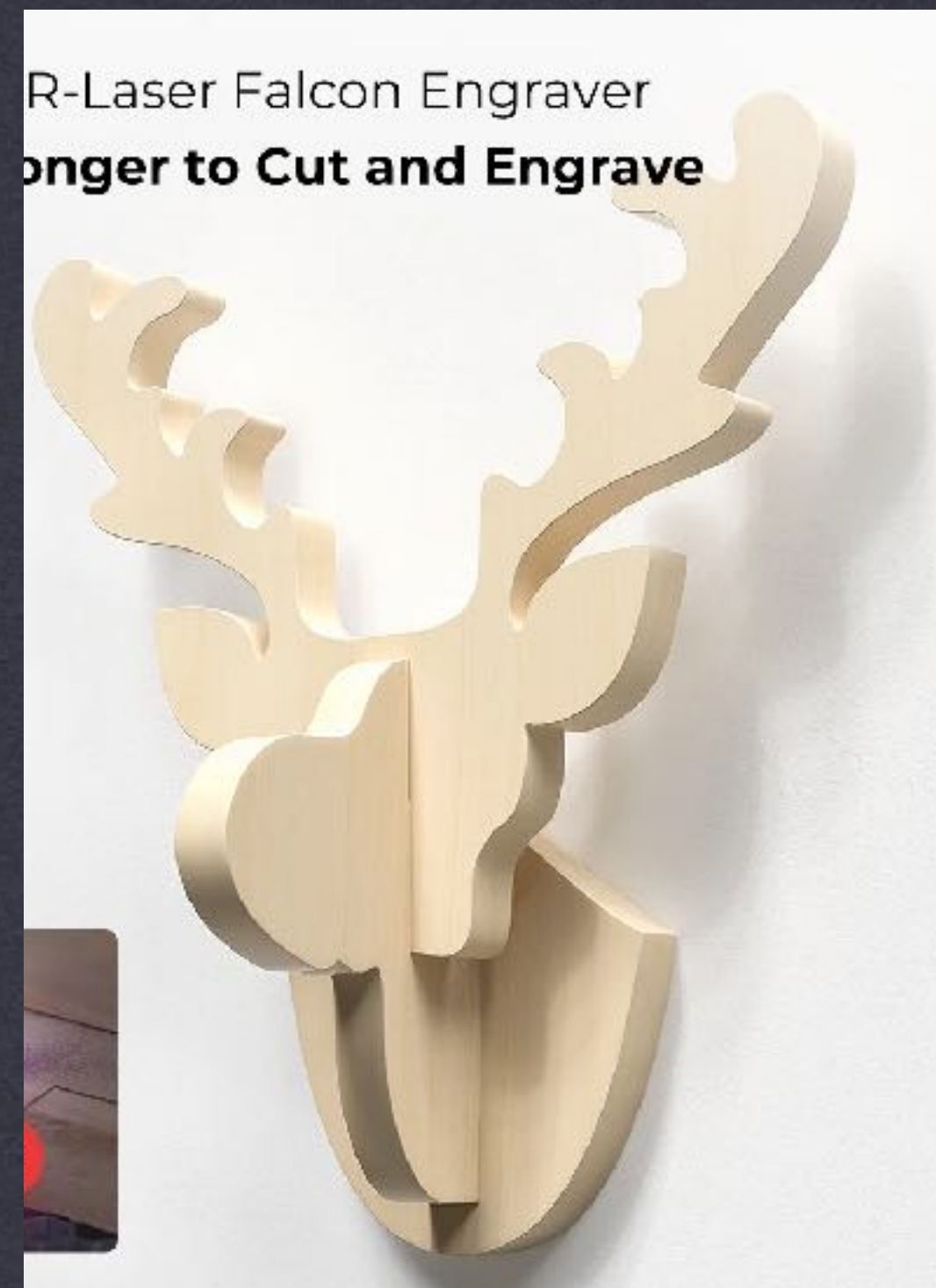
Both stands feature quotes that hold deep meaning for me, reminiscent of my childhood and continuing to inspire and motivate me to this day.



# Image Search - Keywords

- Camouflage
- Screens
- Blinds
- Obscure
- Reveal
- Shield
- Lamp
- Bowl
- Shade
- Deco
- Light
- Multiples
- Inventions
- Widget
- Copies
- Replicas
- Laser cutter
- Wood
- Phone stand
- Night desk
- Gadget
- Useful





Results  
of my  
research



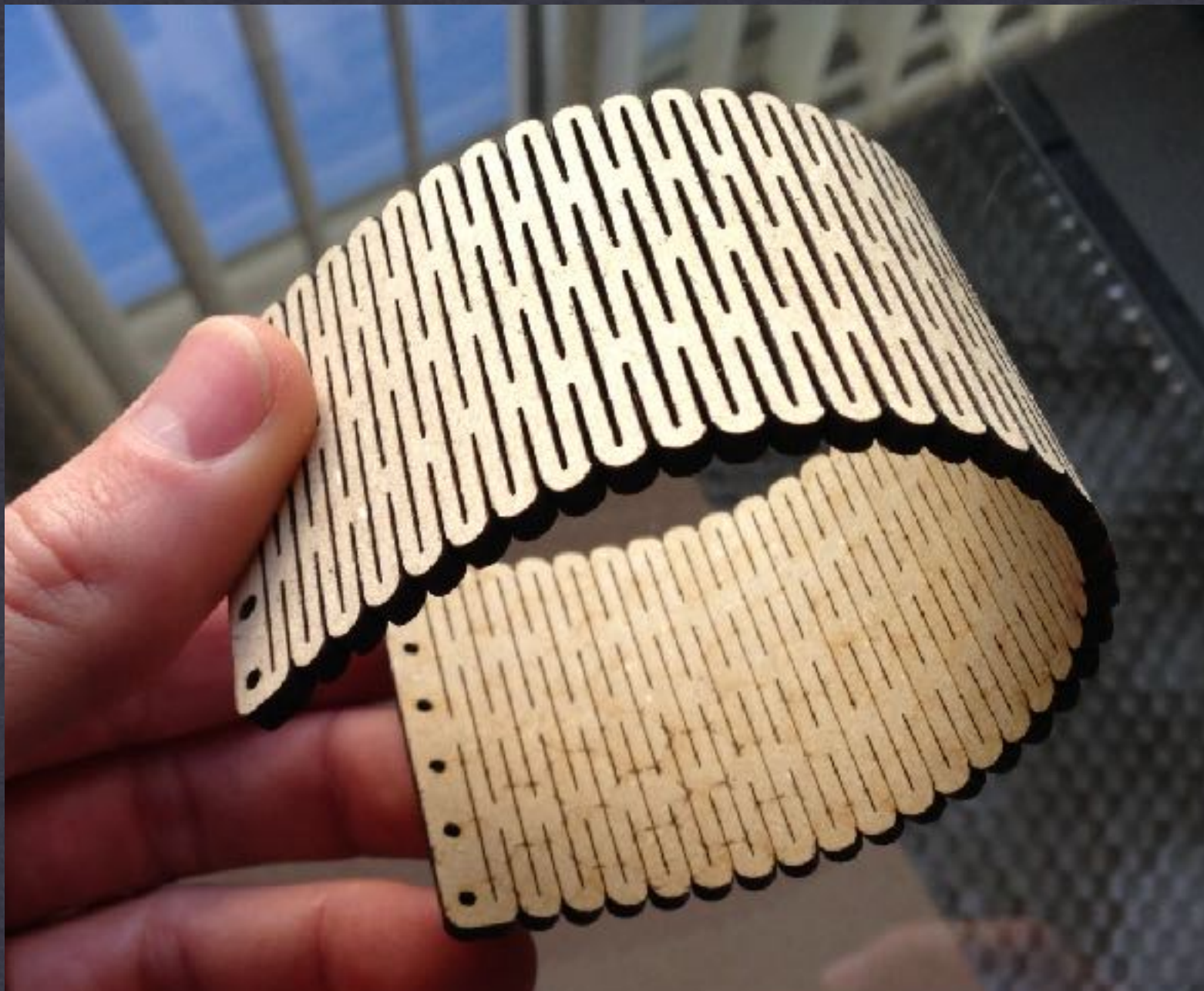


# Story / Concept

- Phone holder
- Round shapes
- Sticked to each other - removable parts (so I can take it home)
- Have a Quote or a design when the phone is not there (graving)
- Store and load also accessories (Watch, keys etc.)

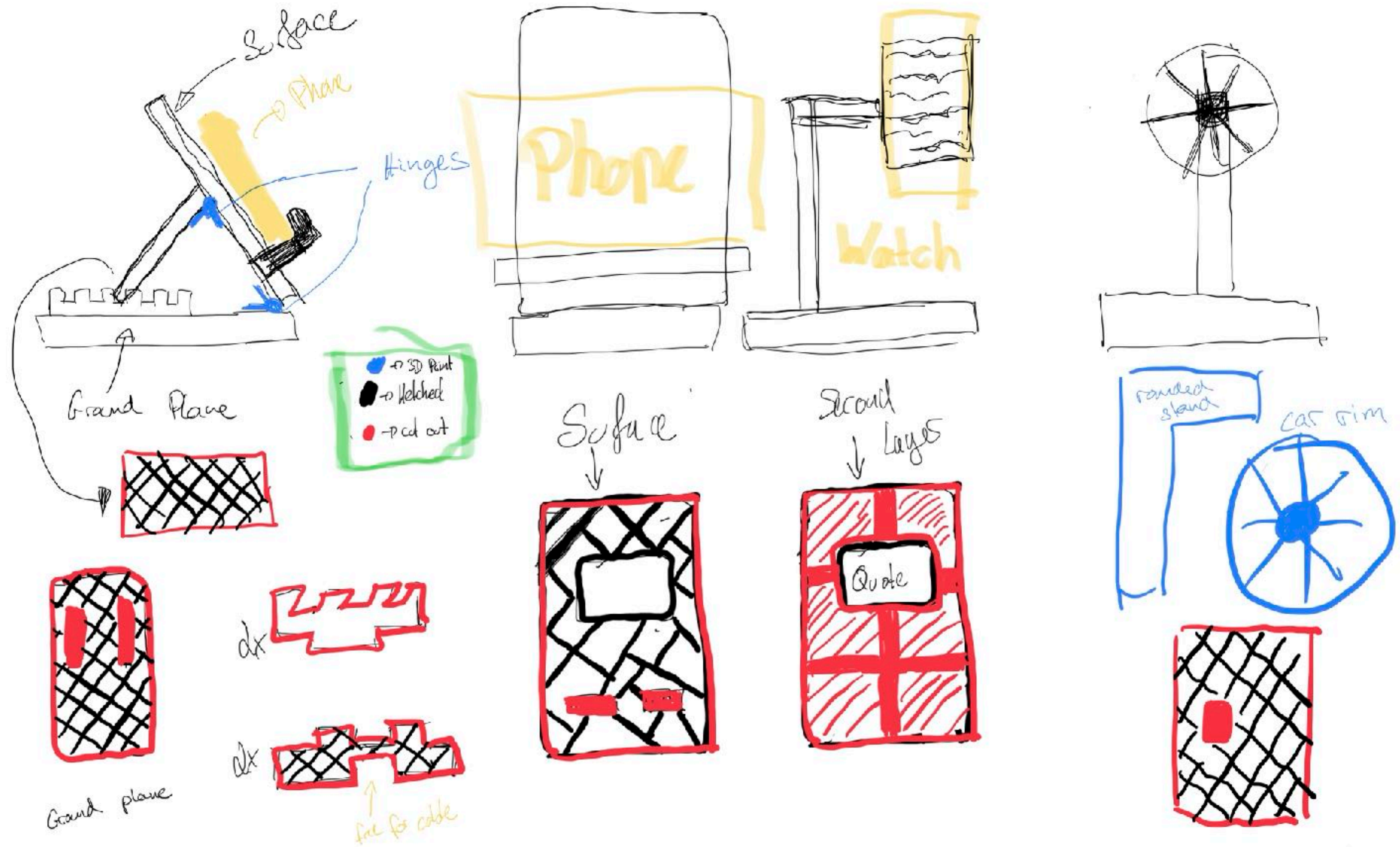






Phone  
holder  
references

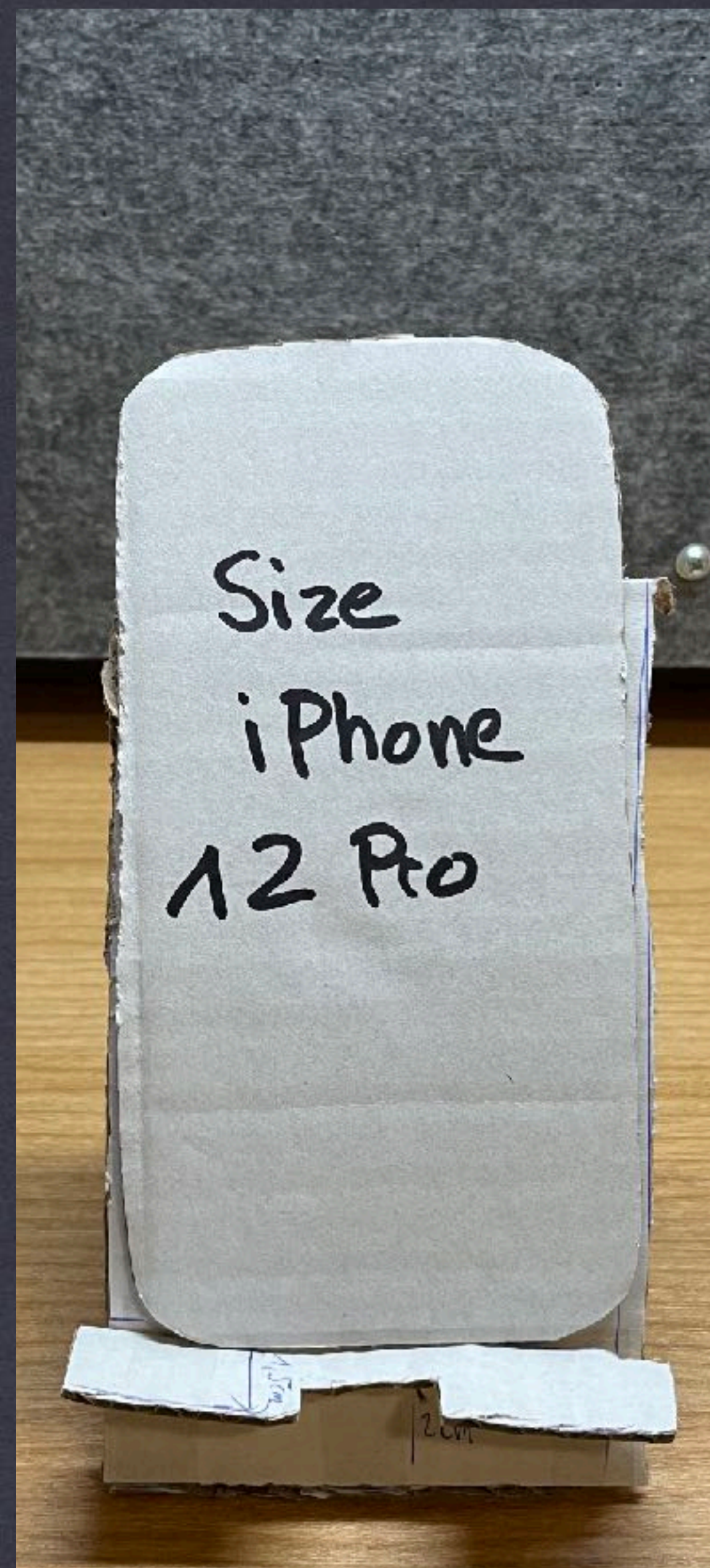




# FIRST SKETCH

NEXT STEP CARDBOARD PROTOTYPE





## CARDBOARD PROTOTYPE

ADDED A SECOND LAYER FOR THE HORIZONTAL IPHONE LAYOUT - YOU CAN CHANGE THE HEIGHT OF THE STEP



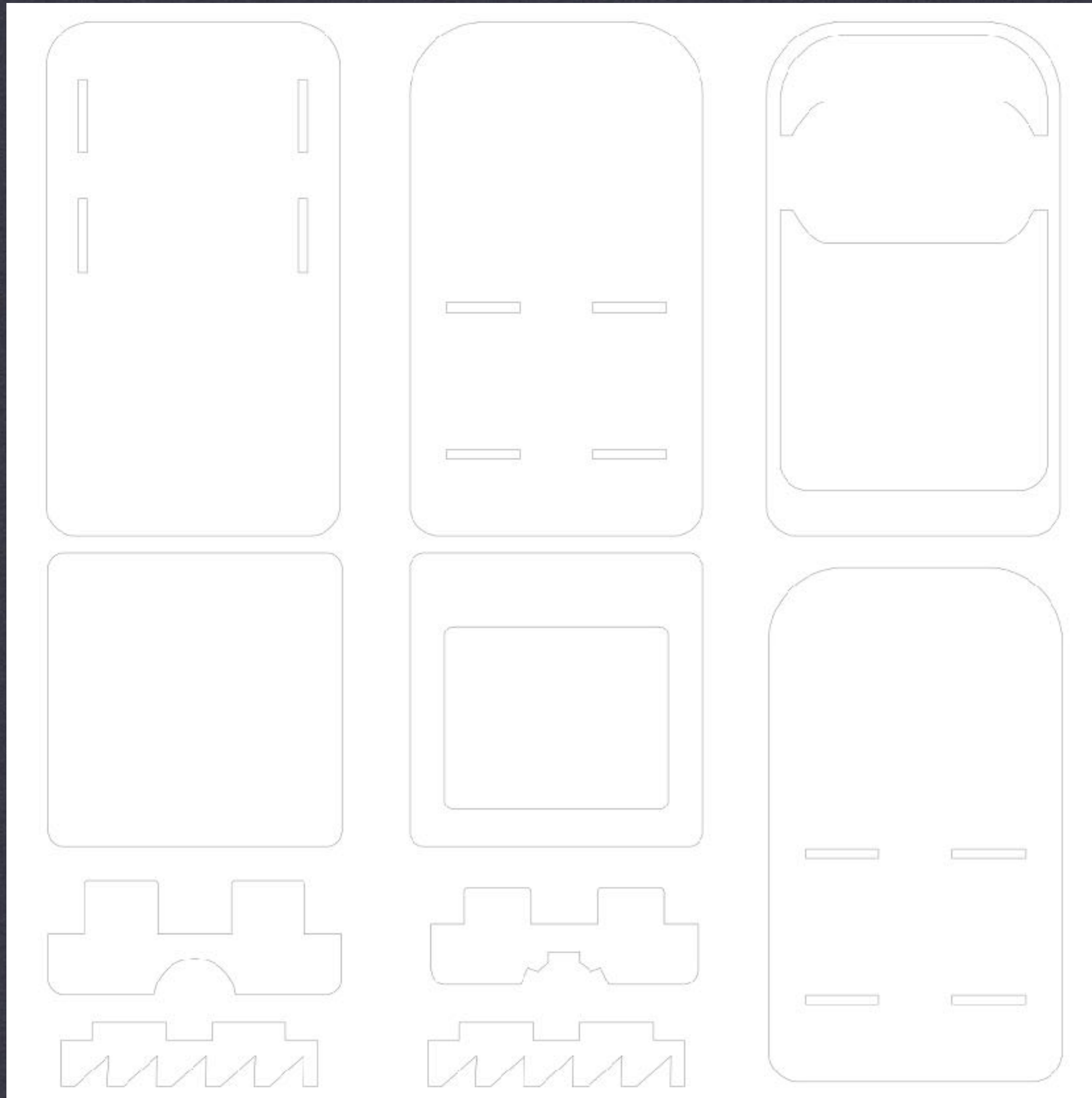
**DON'T COMPETE AGAINST  
THE PEOPLE AROUND YOU;  
COMPETE WITH THEM  
AGAINST THE WORLD.**

## **QUOTE**

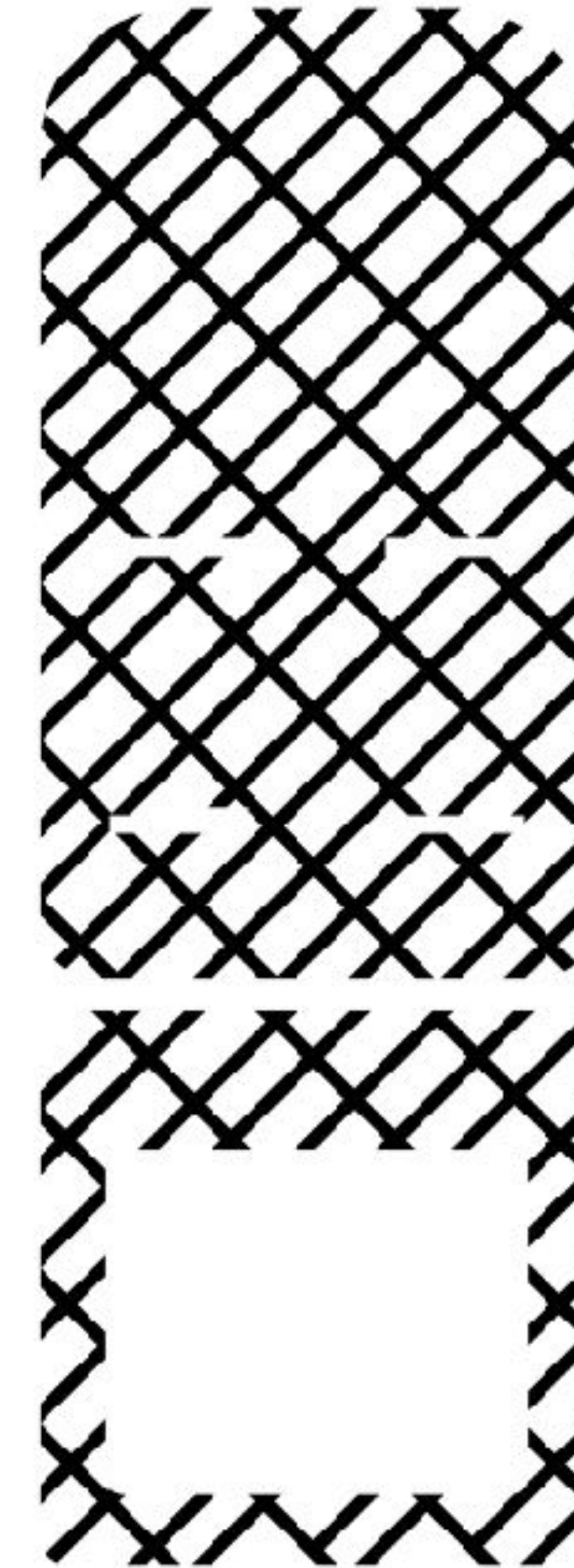
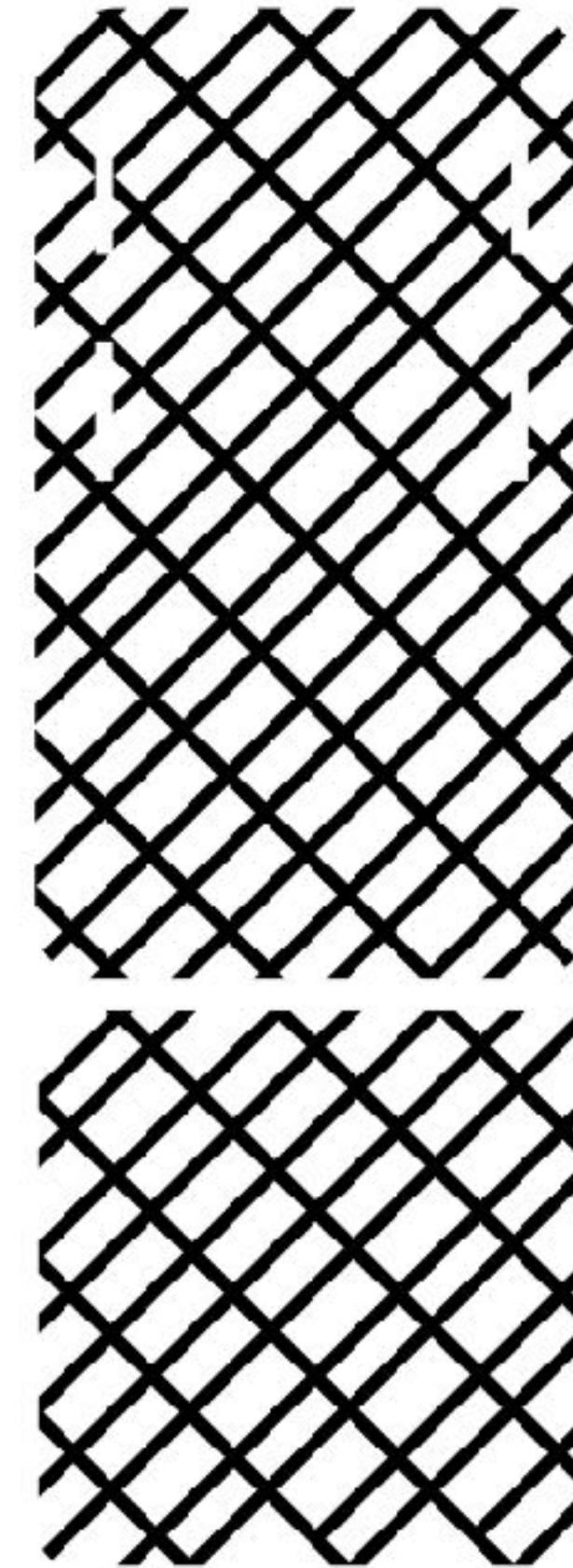
**MY LECTURE DURING MY 3D ANIMATION AND VFX APPRENTICESHIP TOLD ME THAT.**



## CUTS



## ENGRAVING



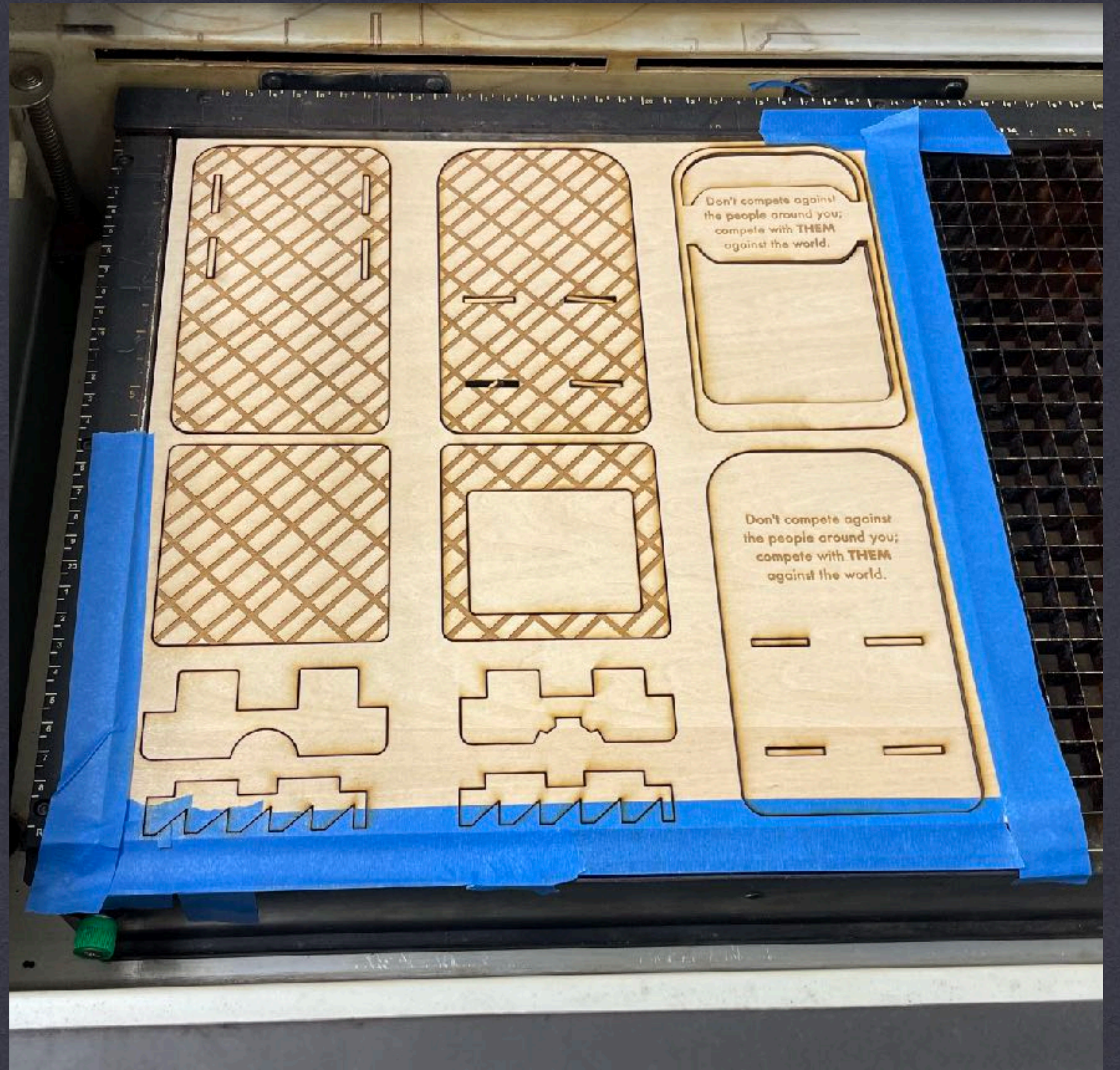
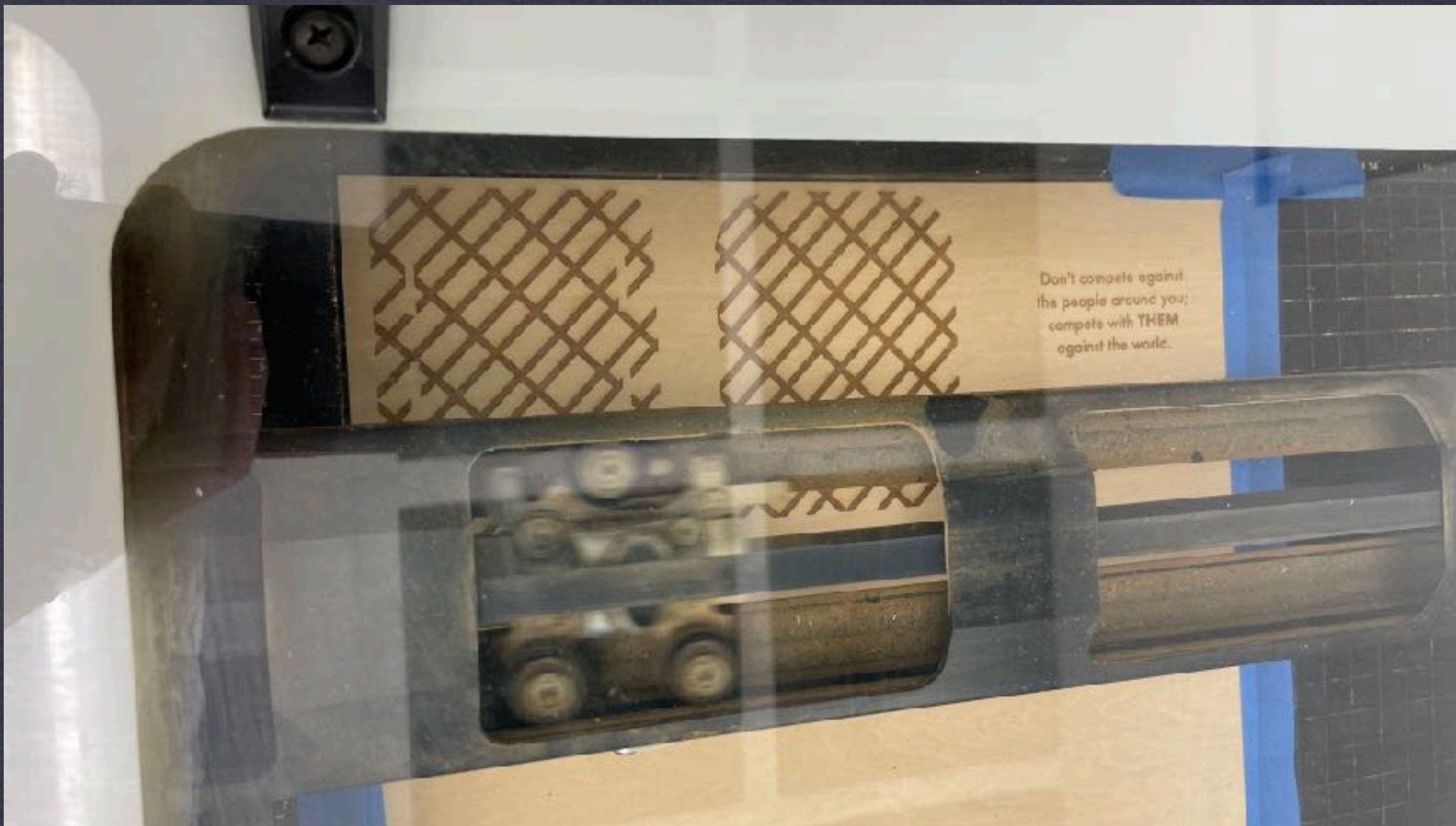
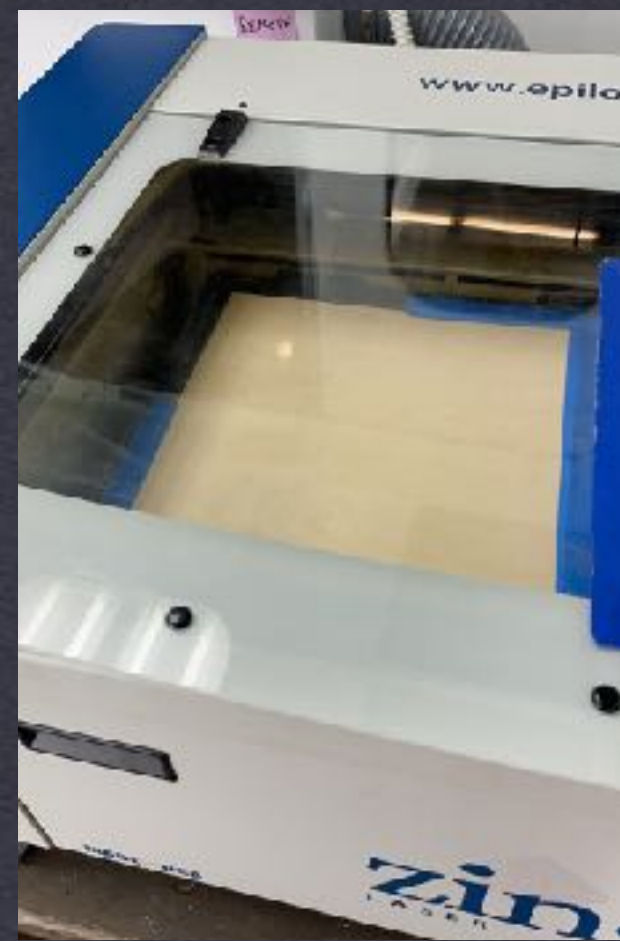
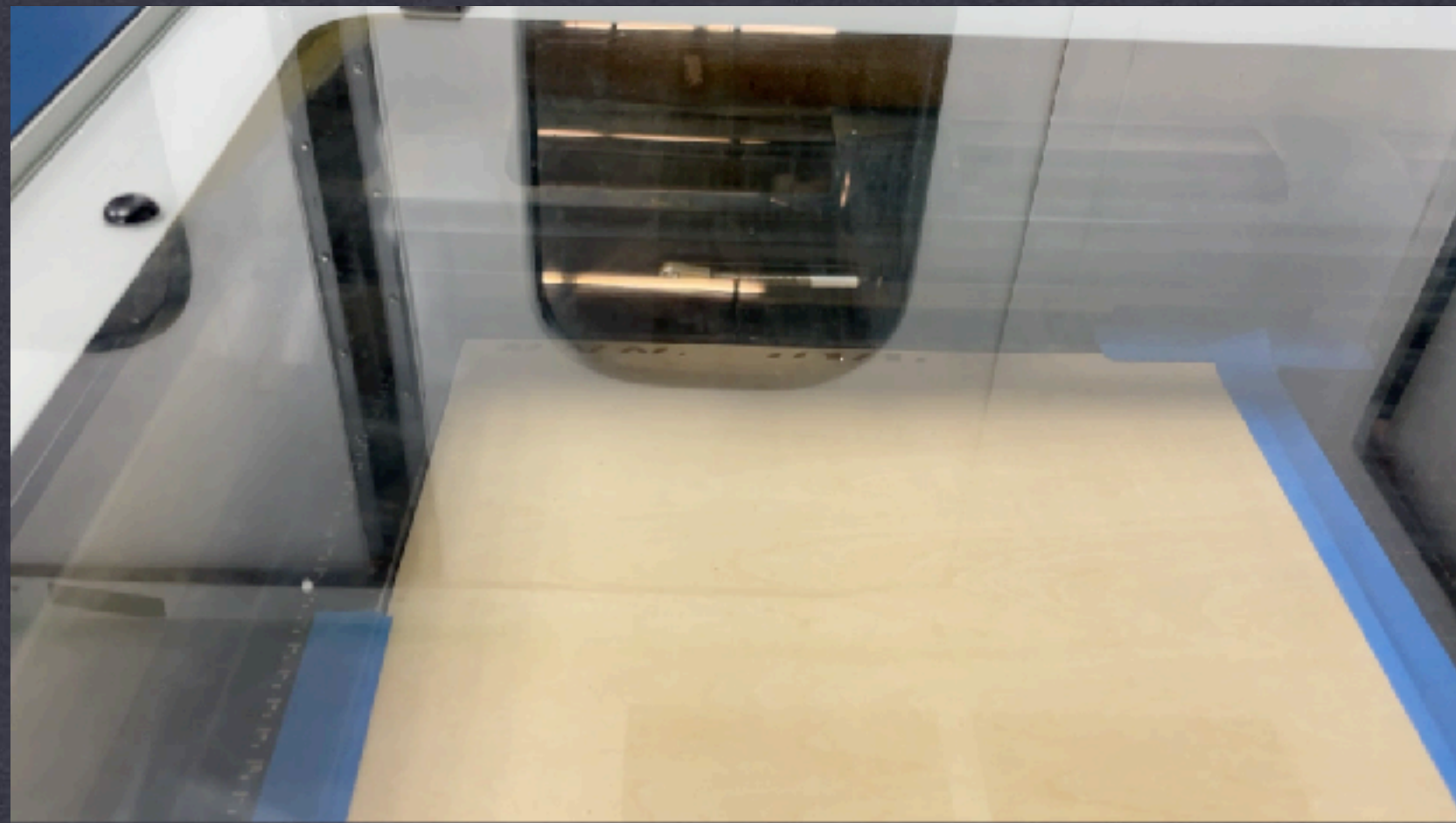
Don't compete against  
the people around you;  
compete with **THEM**  
against the world.

Don't compete against  
the people around you;  
compete with **THEM**  
against the world.

# AFFINITY DESIGNER 2D DRAWING

CREATED SOME SPARE PARTS TO USE THE WHOLE WOOD PIECE AND TEST SOME STUFF

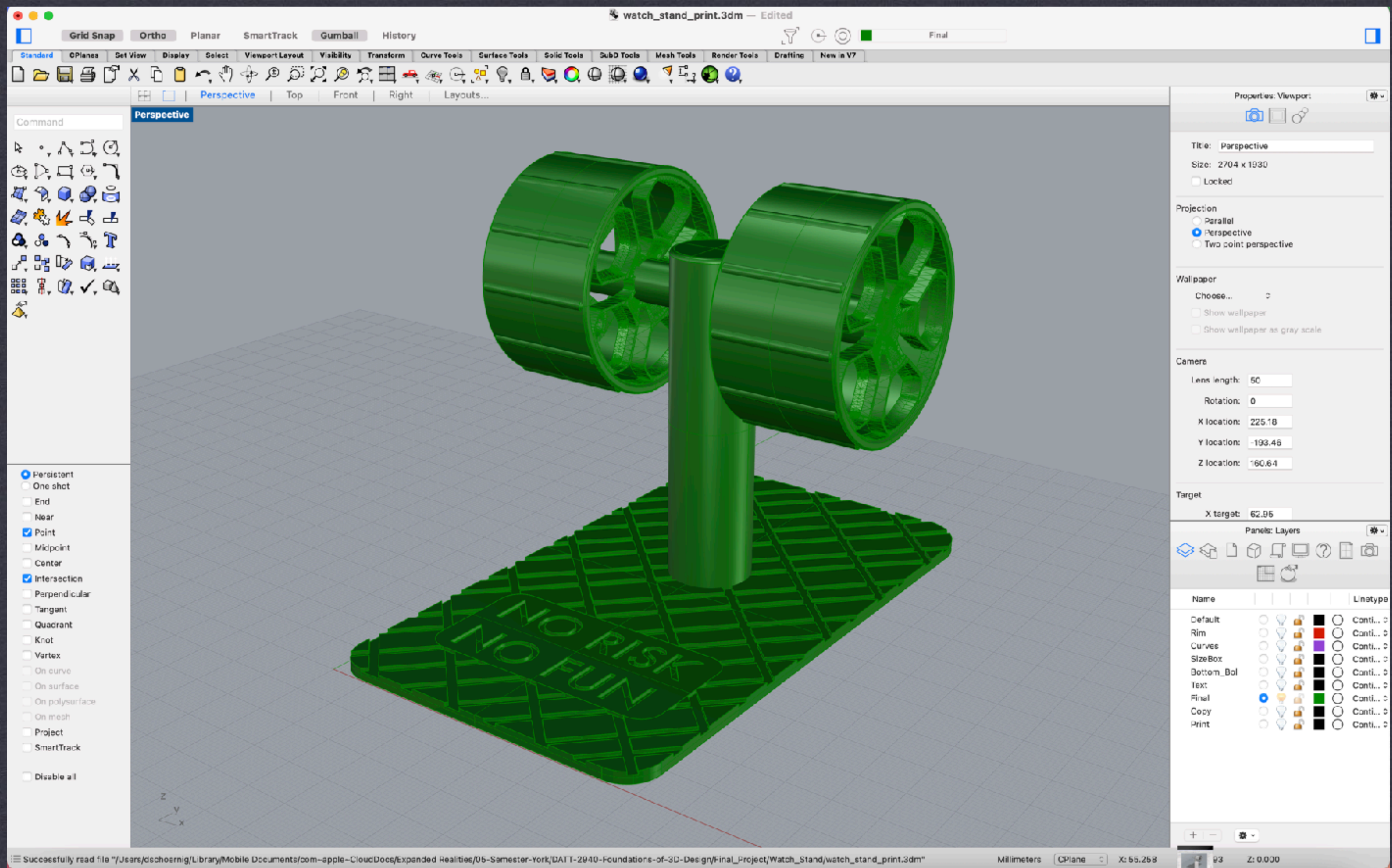




# LASER CUTTING

11/20/2023

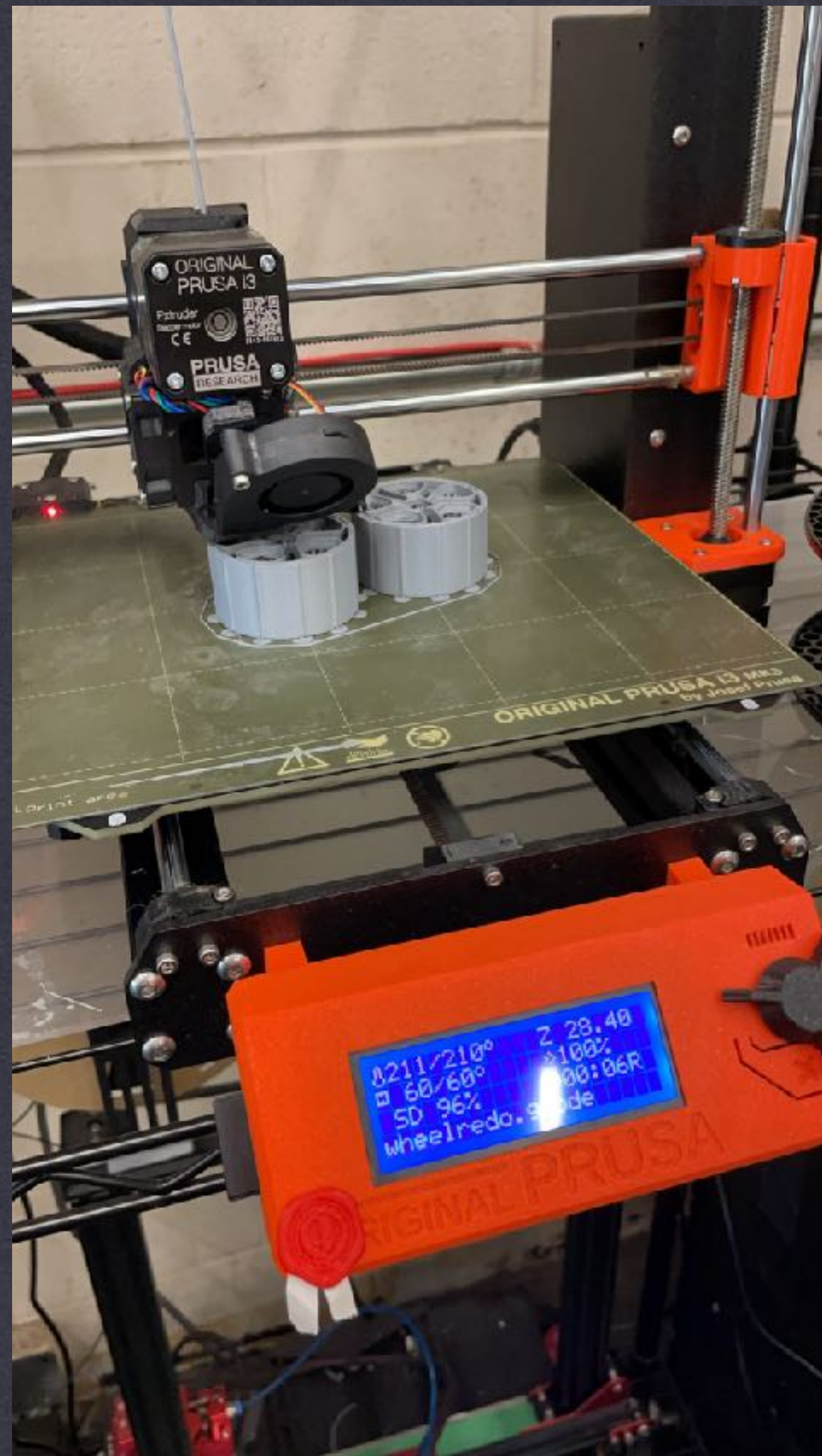




# WATCH STAND RHINO SCREENSHOT

I IMPORTED THE PATTERN AS SVG AND CREATED THE SAME STRUCTURE FOR THE GROUND PLANE

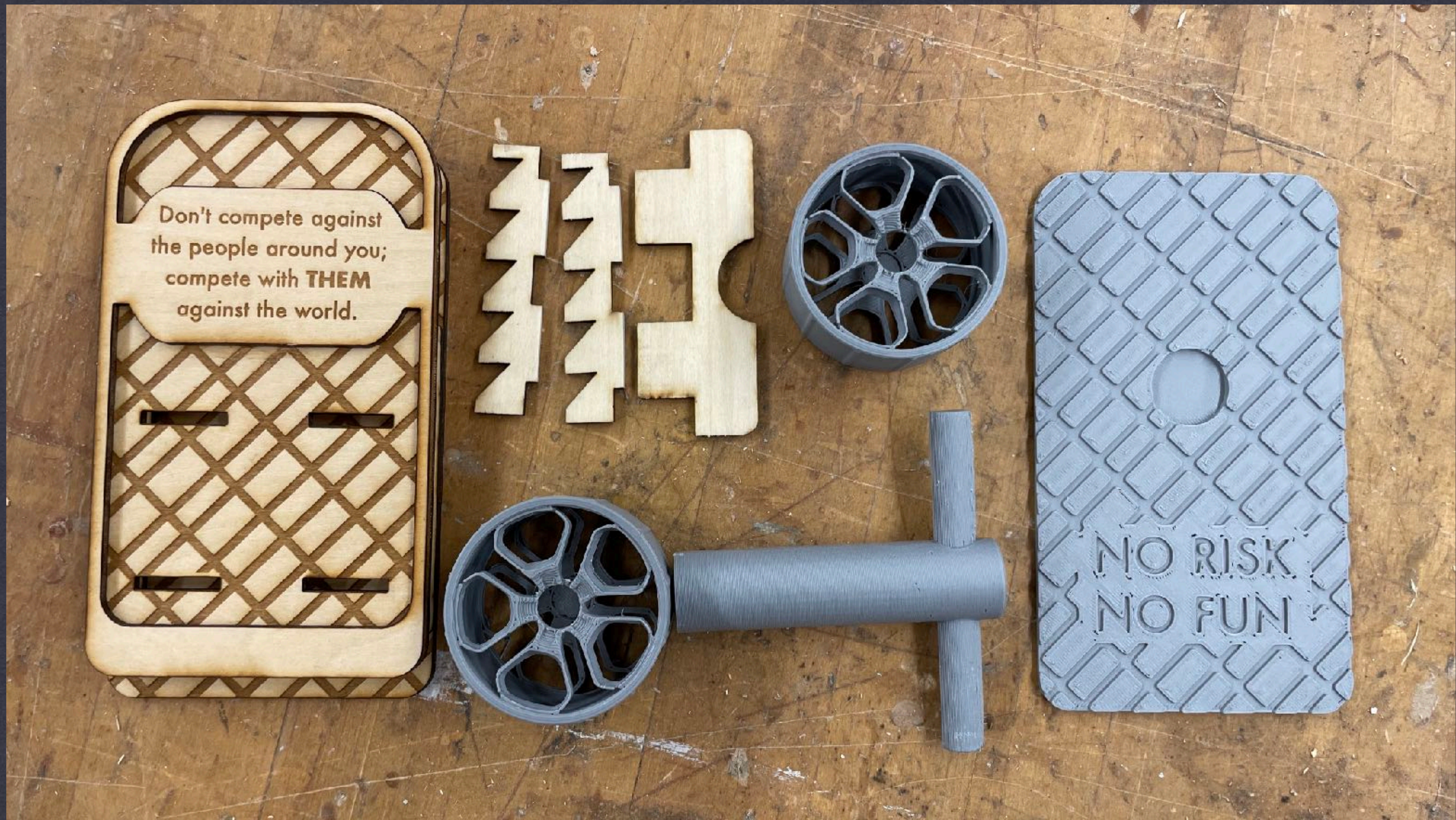




## 3D PRINT

THE PRINT WENT WELL, BUT ONE SIDE OF THE RIM WAS NOT WORKING OUT PERFECTLY (BOTTOM), BECAUSE OF LAYER-PRINTING





## DISASSEMBLED

EVERYTHING CAN BE DISASSEMBLED IN SMALLER AND FLATTEN PARTS.





Front view





Side view





Side view





Back view