

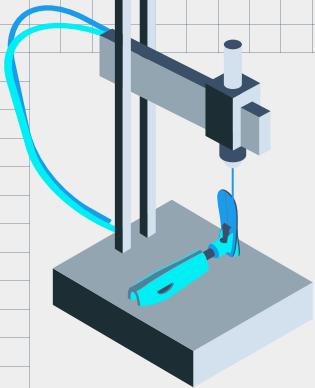
CMPM 17

Moire

Animation Box



By Yufan & Min



Project Aims



Art Piece

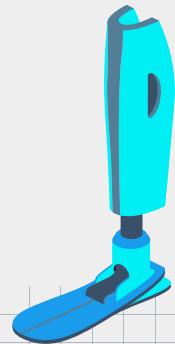
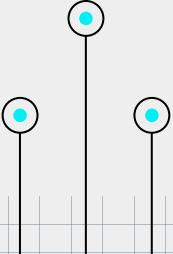
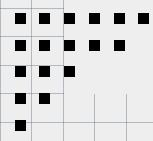
- Make something creative

Inspiration

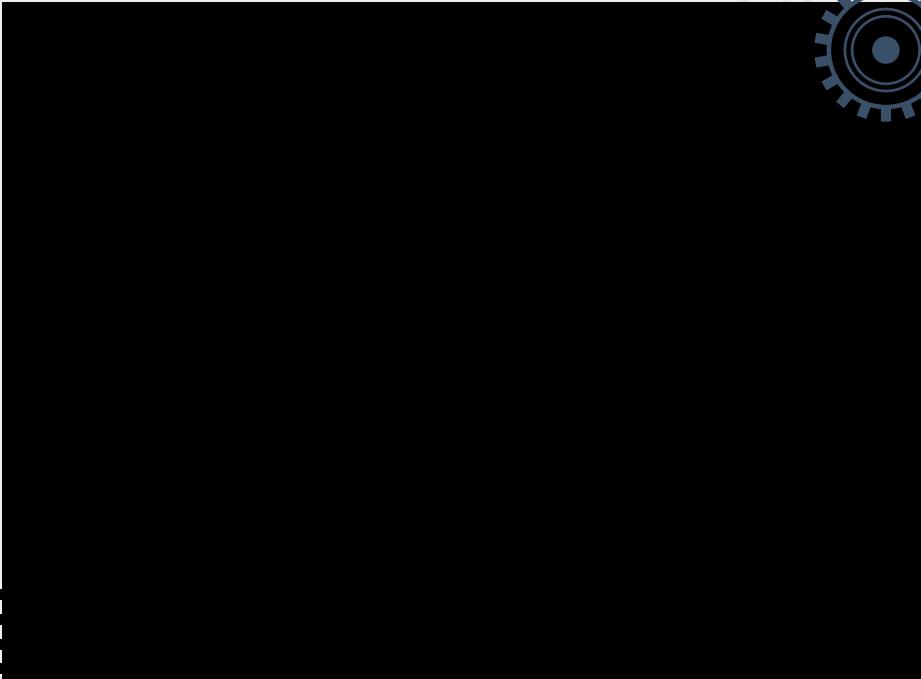
- Friend saw an art piece outside the media theater

Getting Start

- Began to design our project



Our Final project



Original Thinking

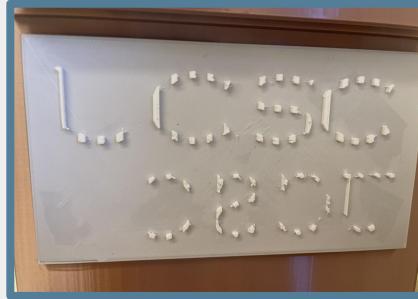
Base



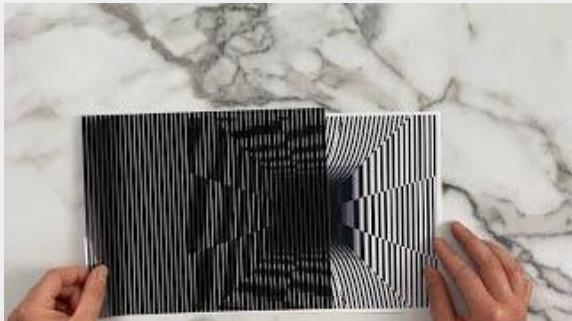
Top Block



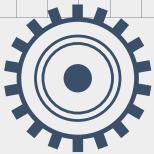
Pattern Image



Railing

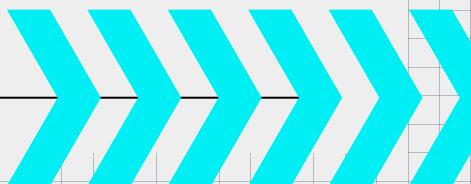


Instructor Feedback



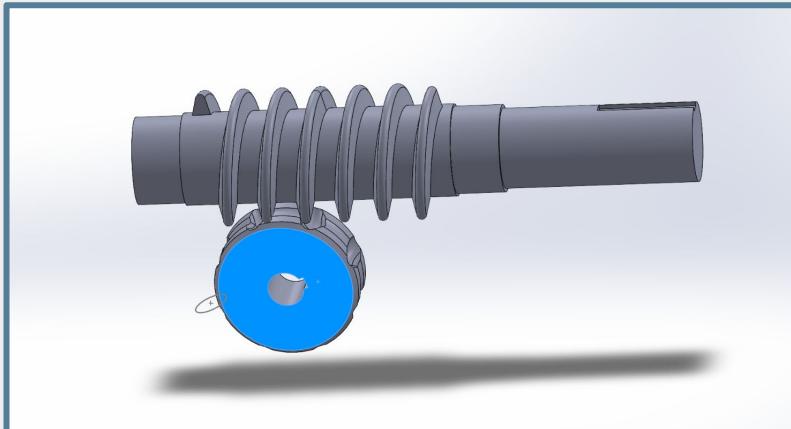
- Got told that our project is too easy.
 - Add a gear

Received Feedback



Improve Design

First Design

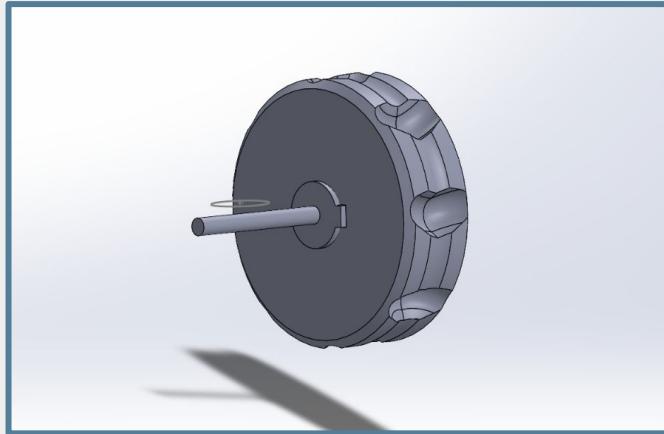


Issues-

- No space to operate the gear
- Difficult to move the gear

Improve Design

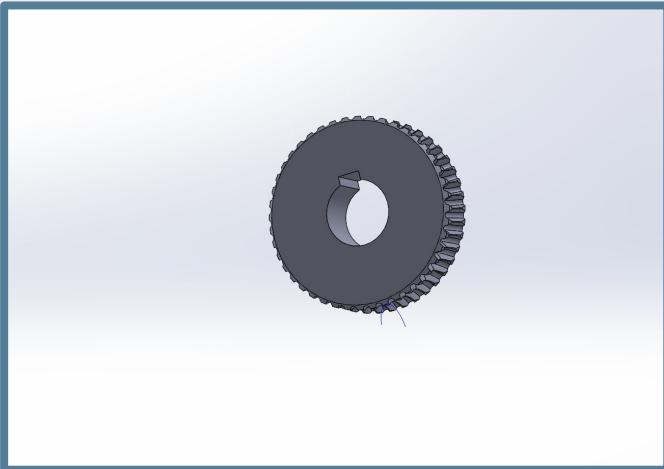
Second Design



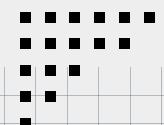
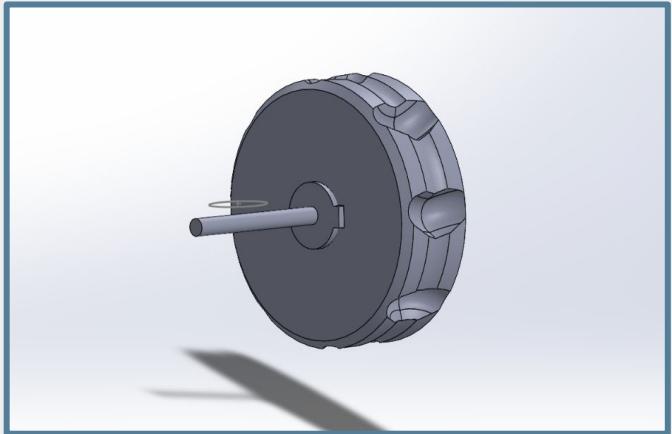
Challenge - Gear

Gear does not match with the track

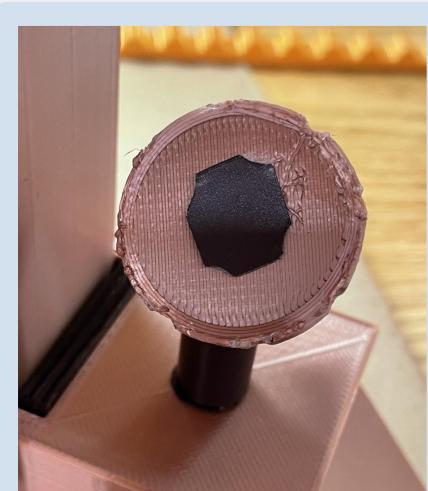
First design



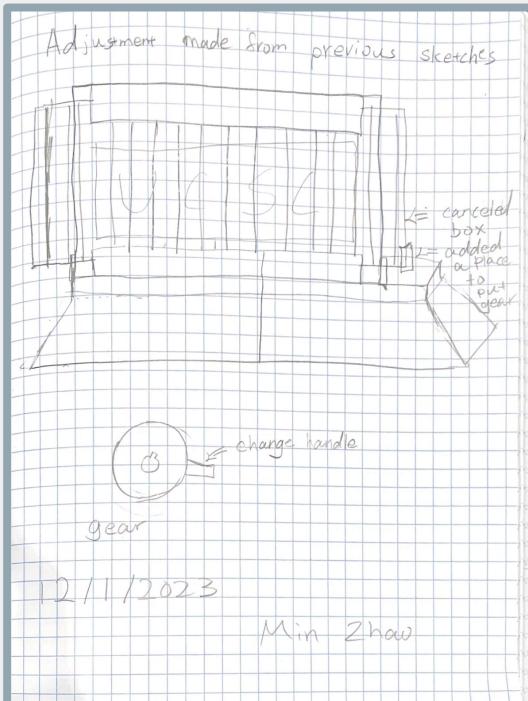
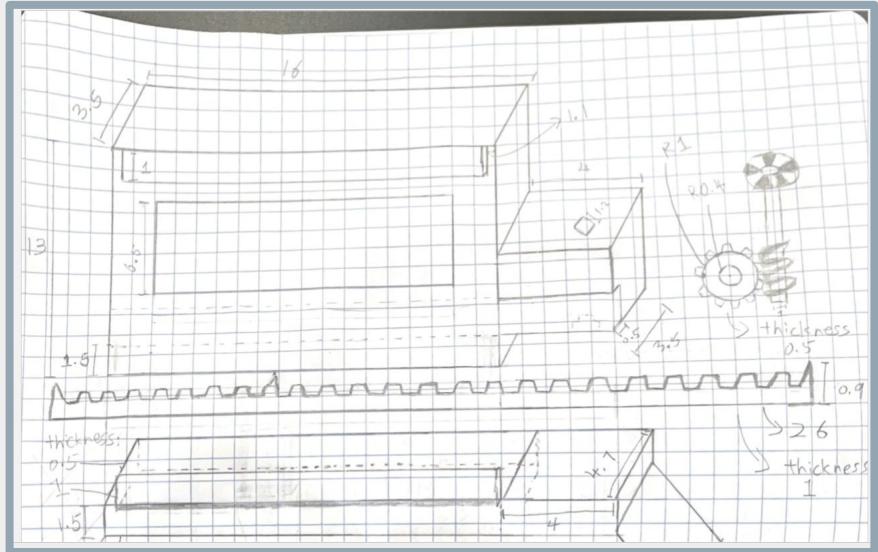
Final design

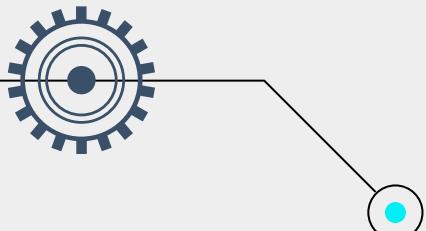


Final Gear



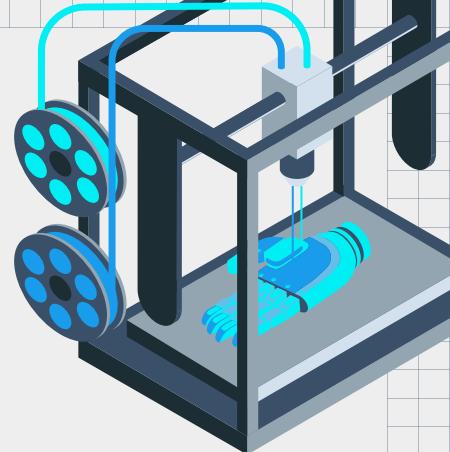
Engineer Notebook





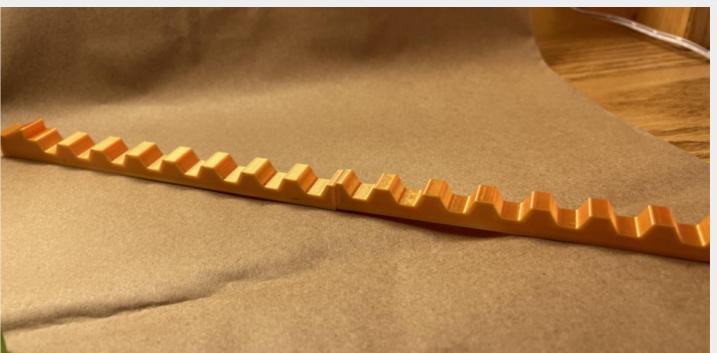
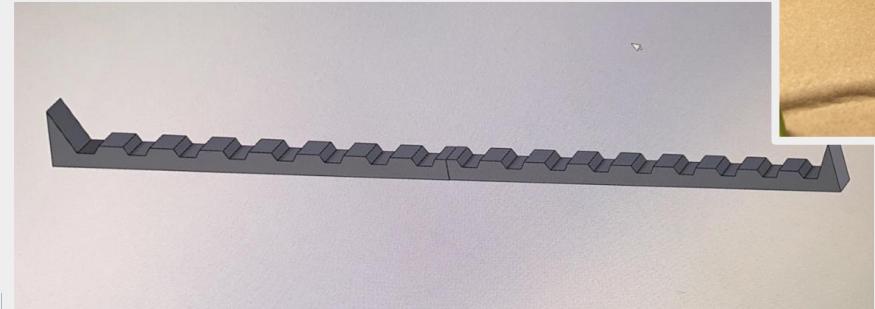
Issue 1

Gear interact with the railing



Solution

Create a track



Issue 2

Part larger than the printer

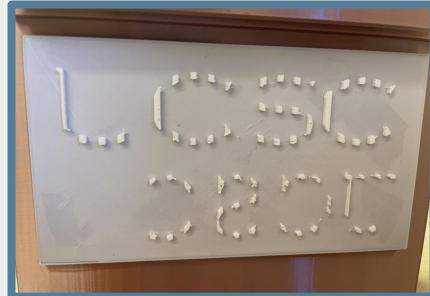
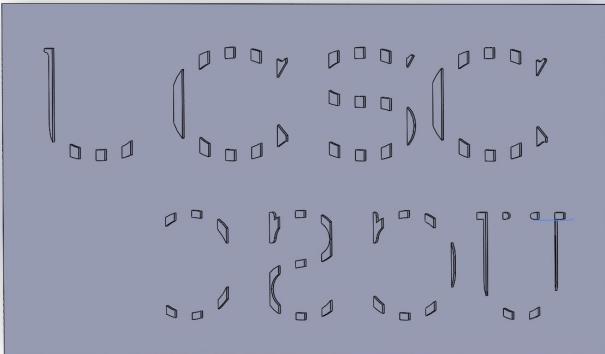
Solution

Separate parts into 2 pieces



Challenge - Pattern Image

The image that we wanted should have been printed in two different color
- one for the board and one for the letter



TRIED DIFFERENT PLANS

Plan 1.

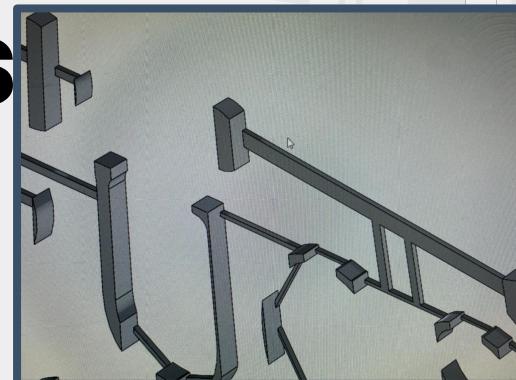
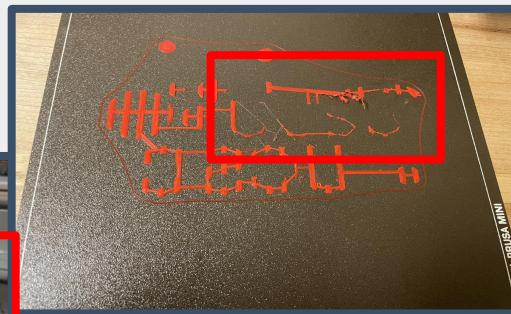
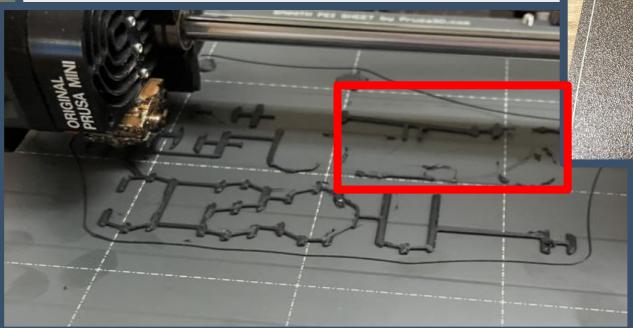
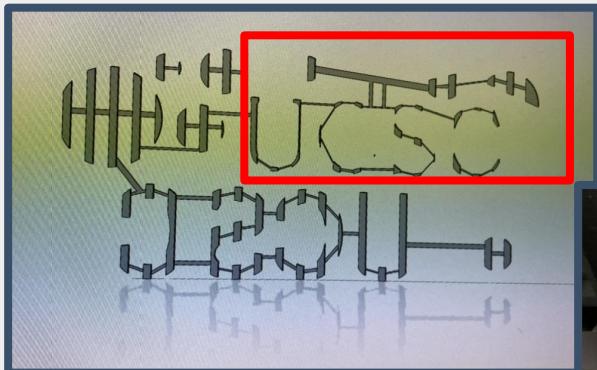
print a board, then print letters on top



TRIED DIFFERENT PLANS

Plan 2.

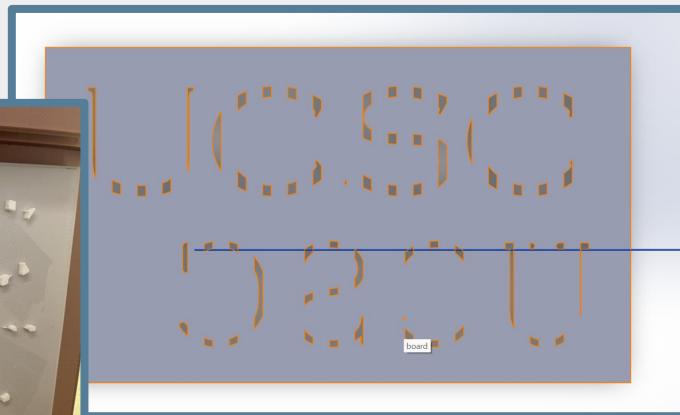
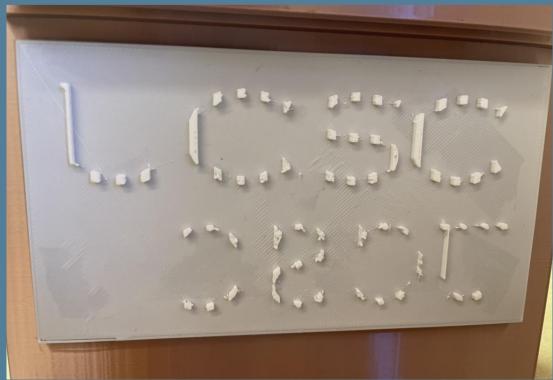
print letters, then stick to the board



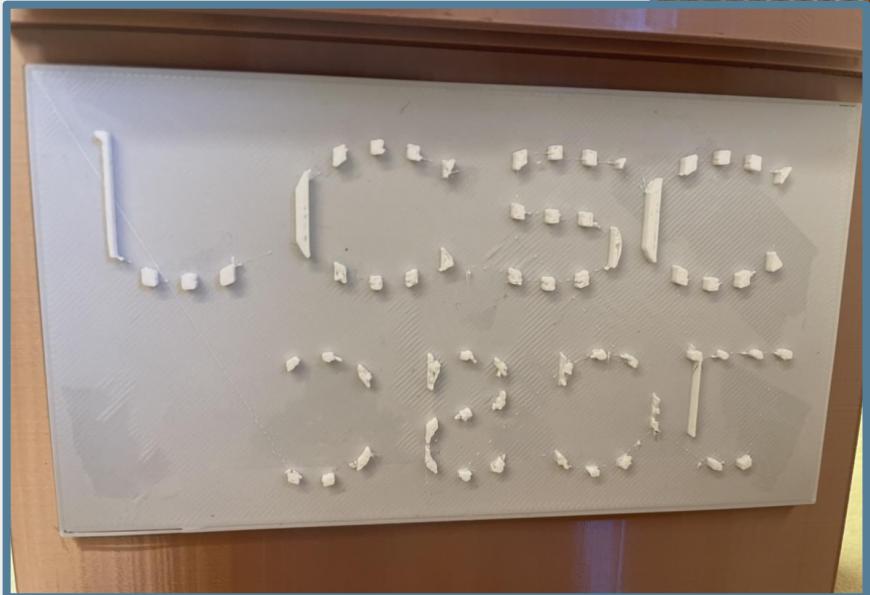
TRIED DIFFERENT PLANS

Plan 3.

print letters with a board (same color),

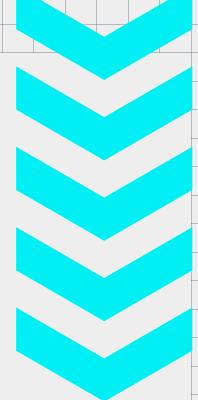


RESULT





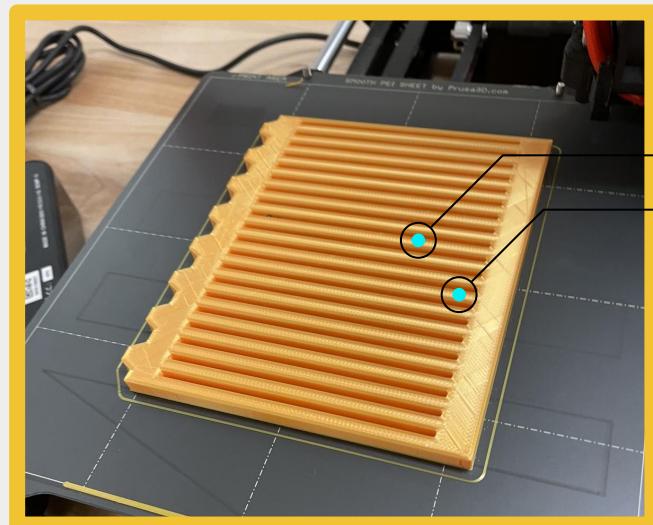
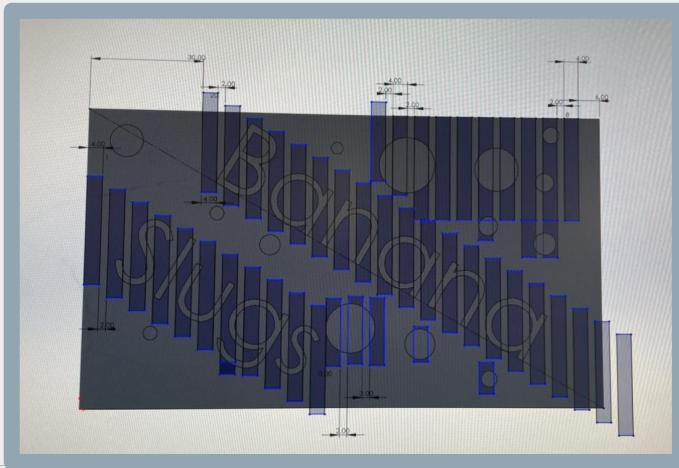
IF WE HAVE MORE TIME



Adjustment to the Railing

- Make it thinner

More pattern design



Thanks !

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