

LifeRack

A Hook for Everything

Project by:

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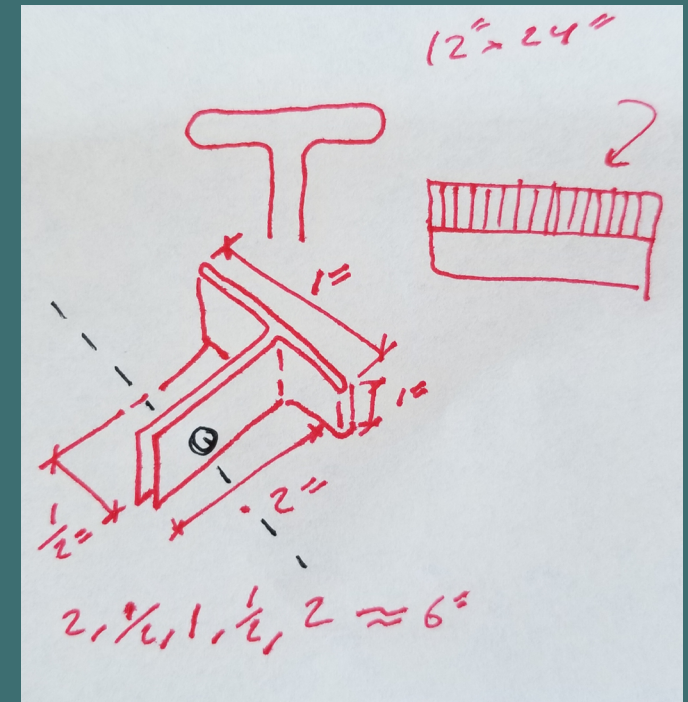
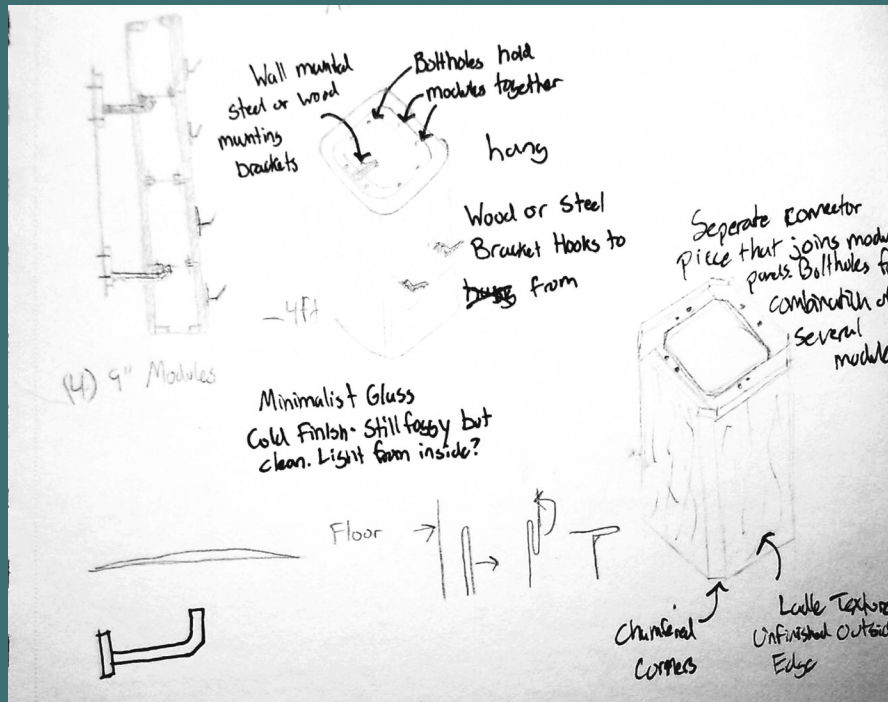
Our Vision

Create a coat rack that is functional, modular, and beautiful.

Exploration of Concept

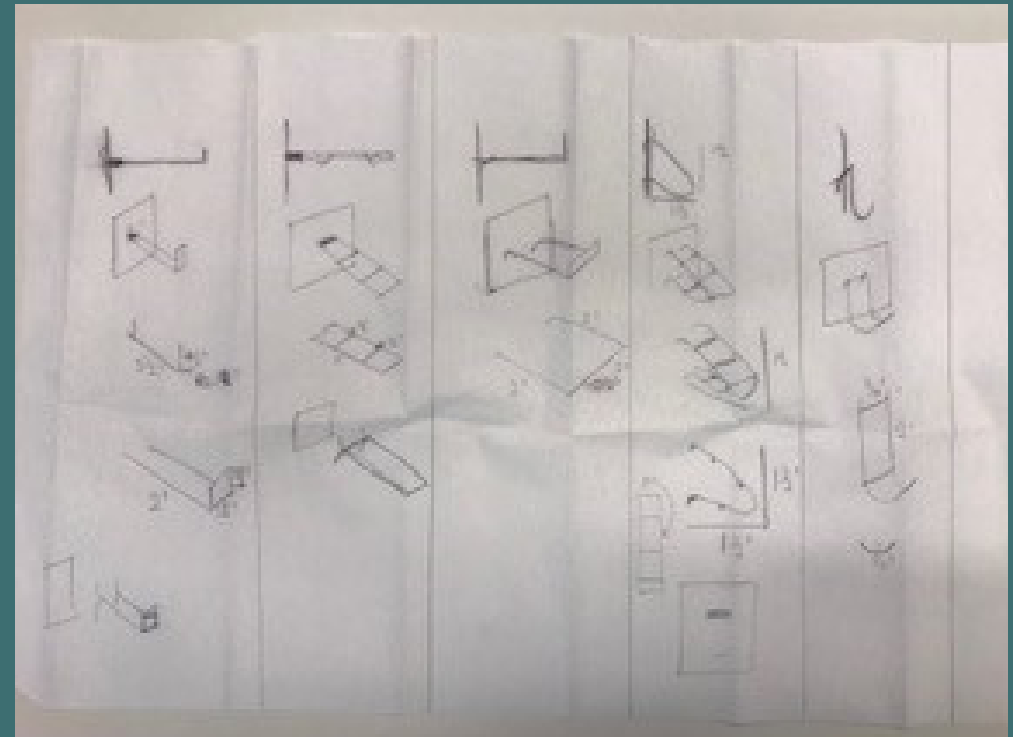
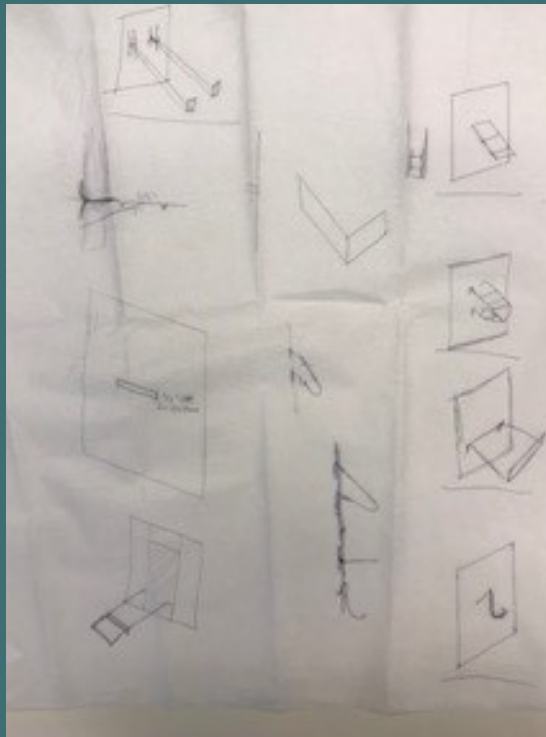
Sketches of the original idea

- Copper Utilization
- Bent Copper Hooks
- Folded Copper Brackets for Structural Components
- Hook Variety to accommodate for different Personal Items

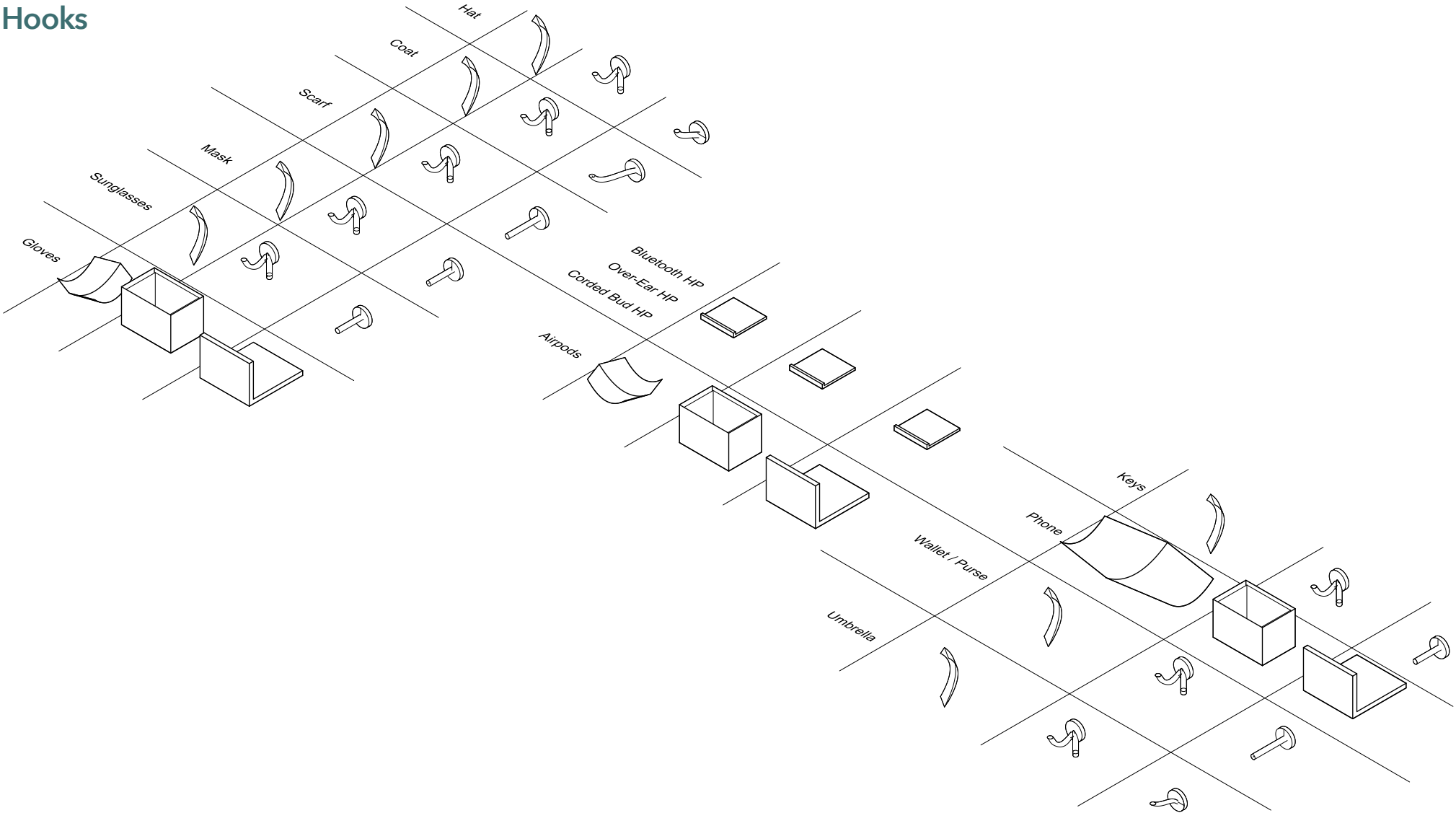


"What do I enter with?"

"What do I exit with?"



Original Hooks



First Render of Concept

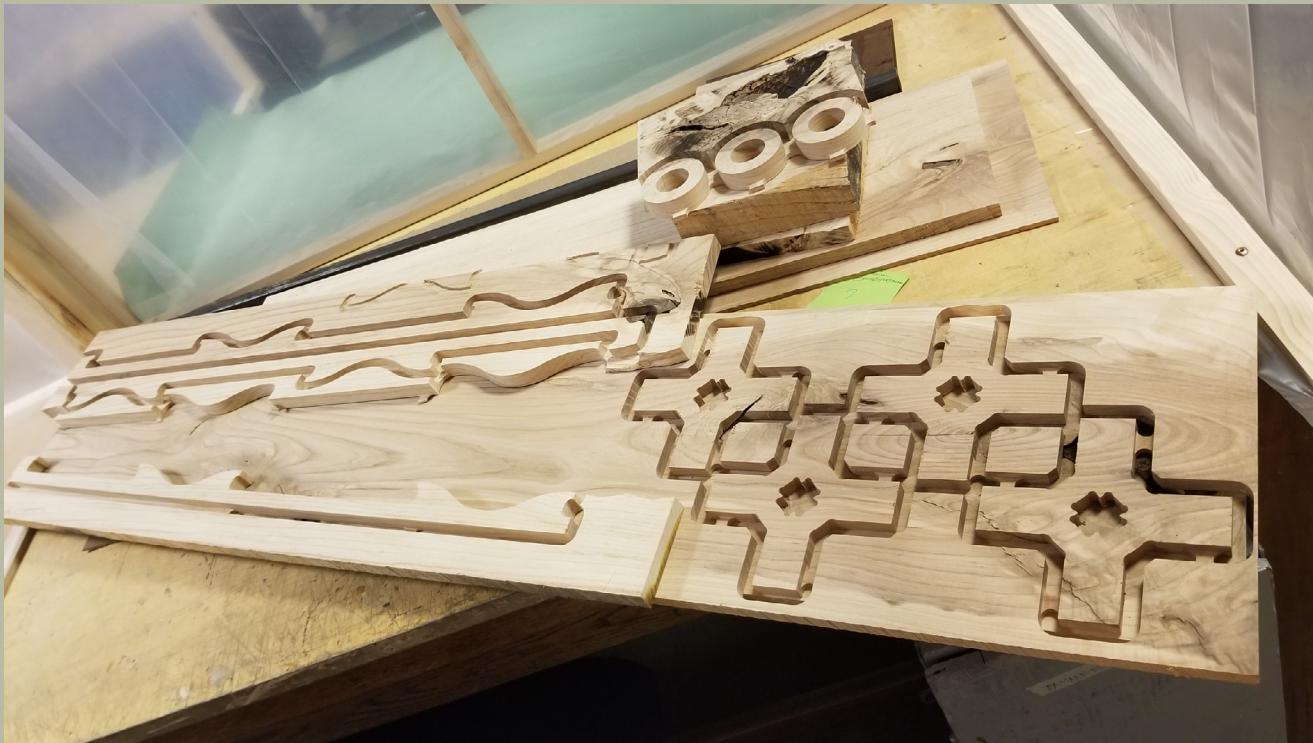
- Inversion of Material Norm
 - Uses Glass as primary Structure
 - Wood as Additional Element (Hooks)
- Glass would have been near-impossible to fabricate with our experience and time frame
- Steel joinery would have created major stress points.

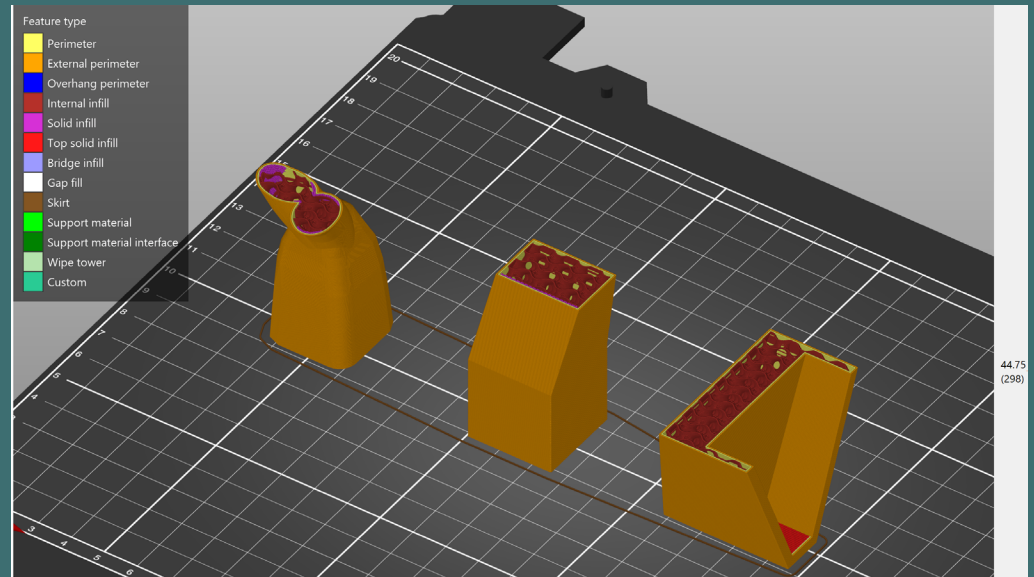
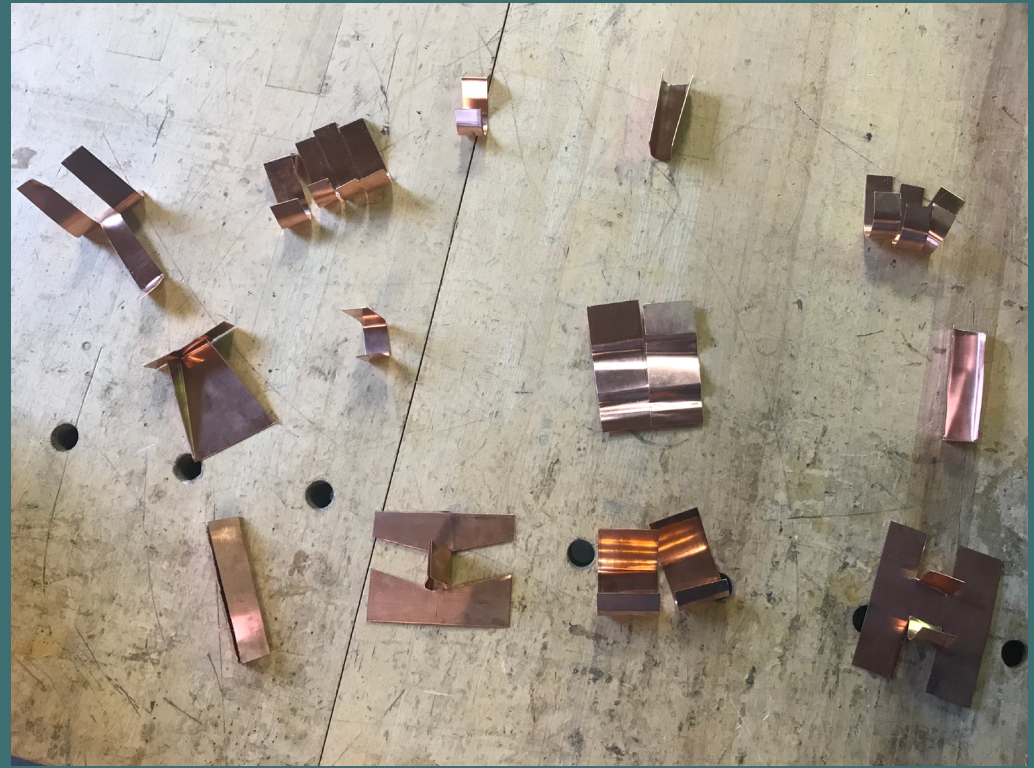


Materials Processes

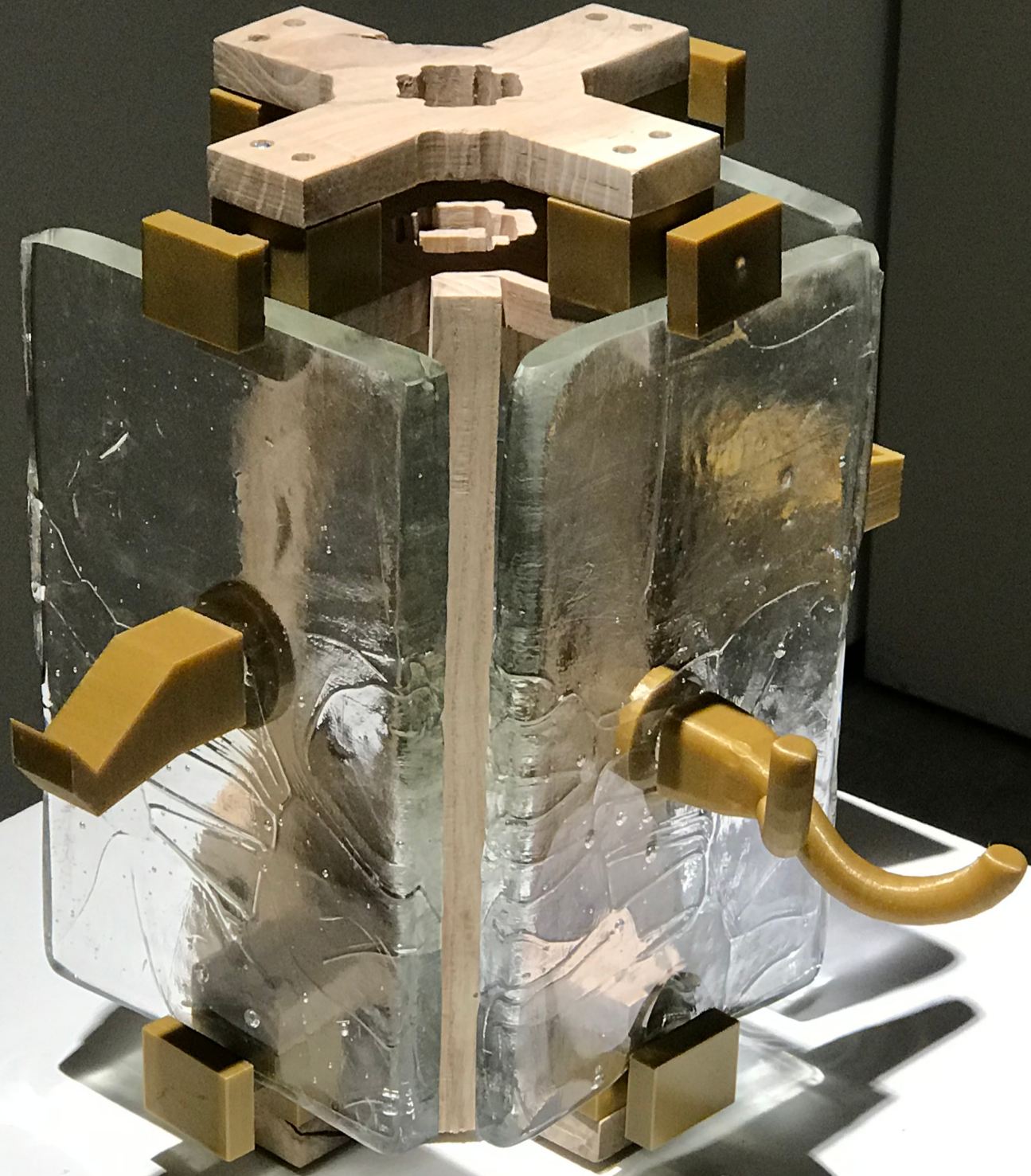
Processes Explored

- Ladling
- 3D Printing
- Bent Copper
- Blown Forms
- CNC Milling

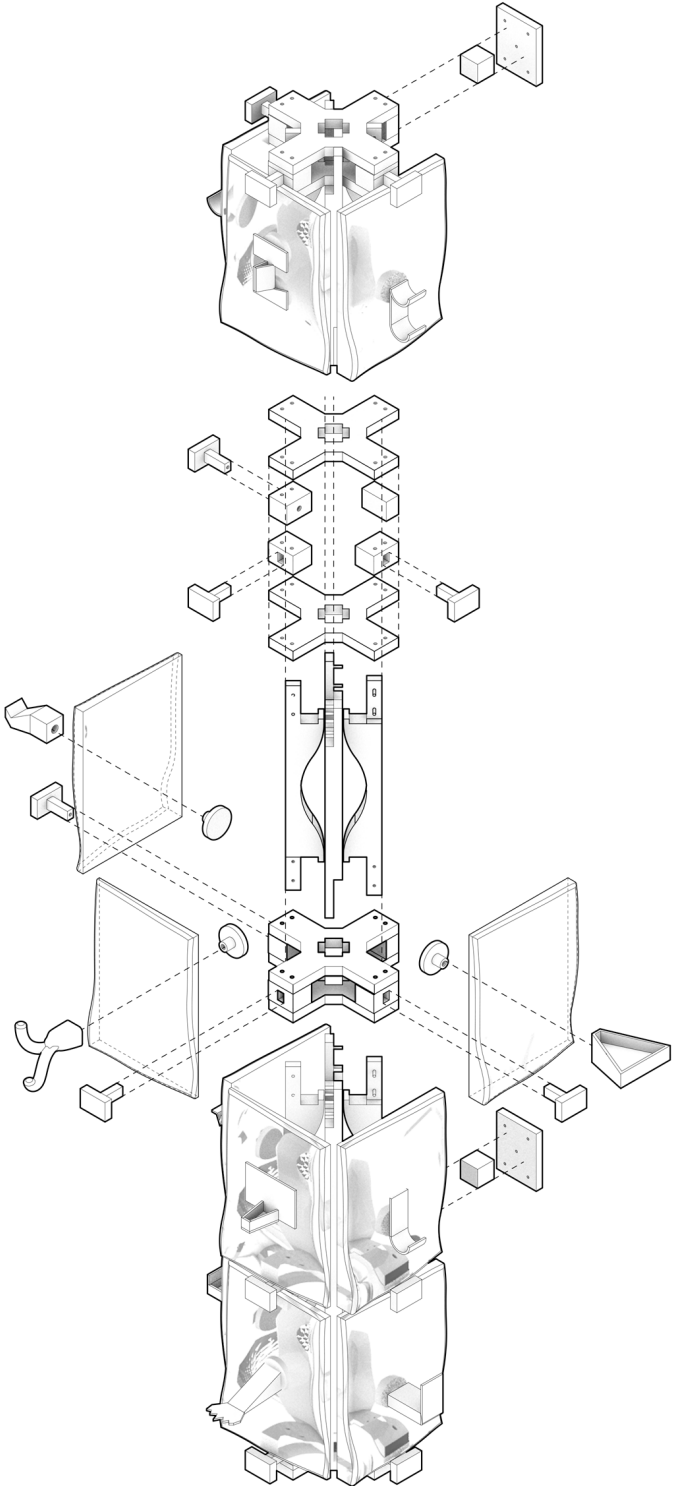
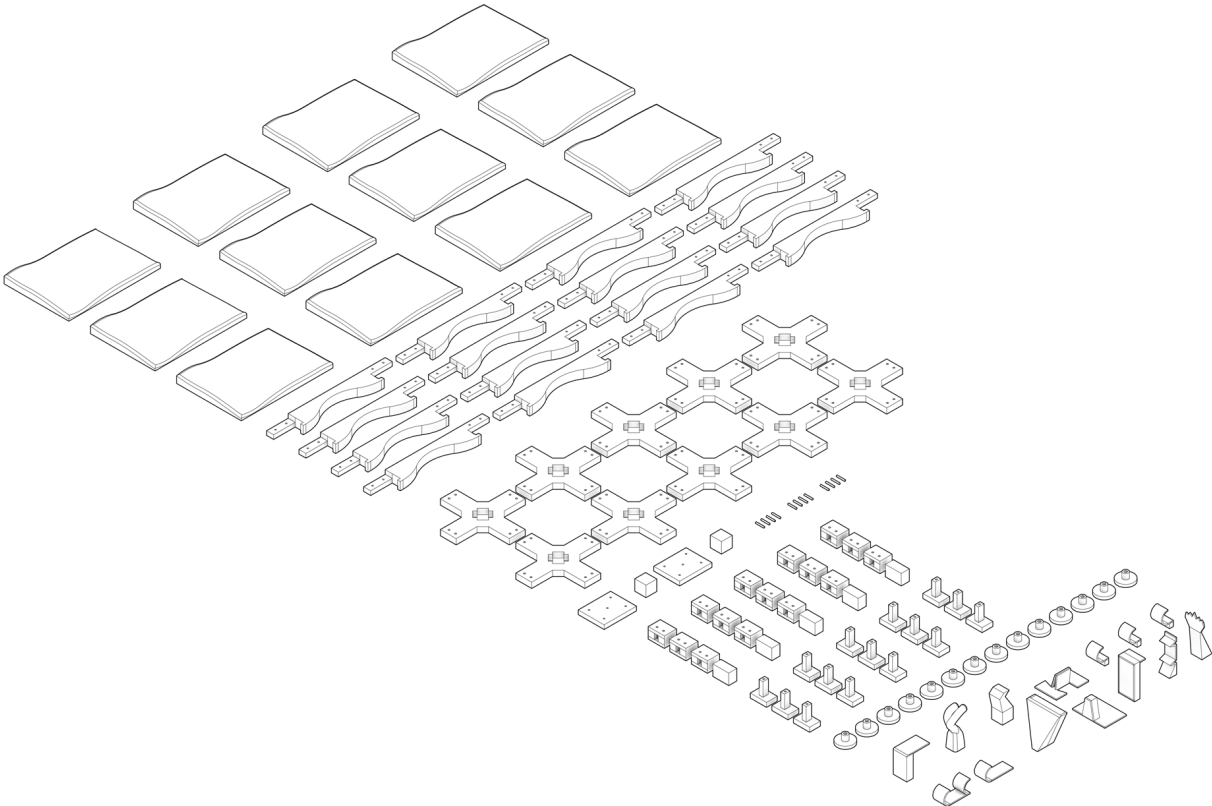




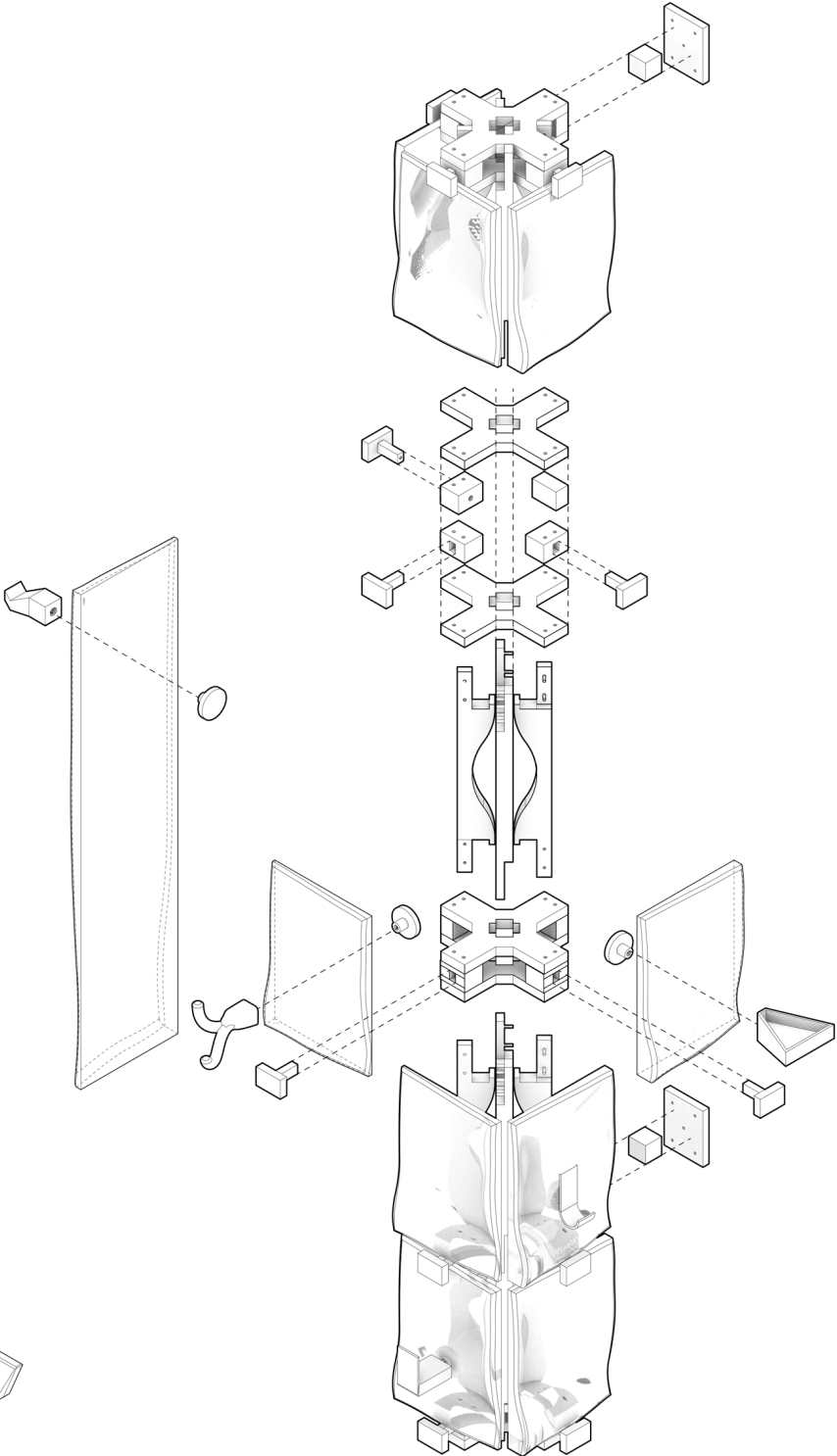
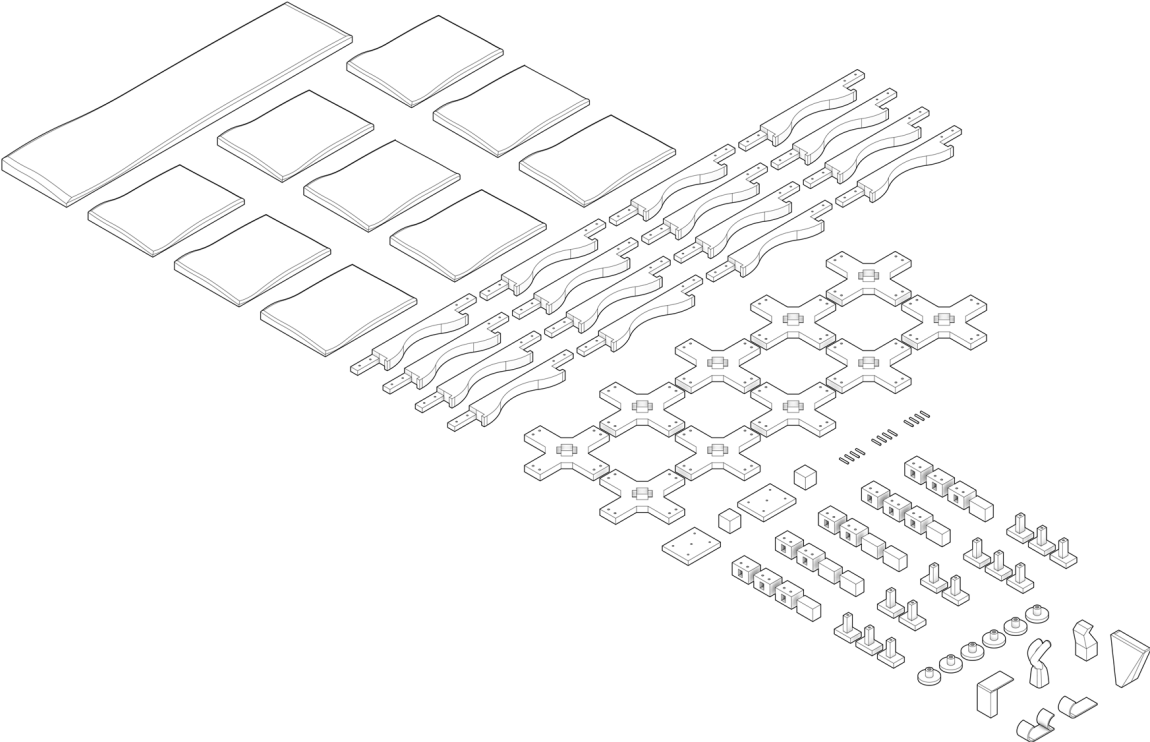
Final Product



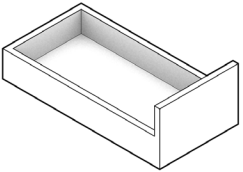
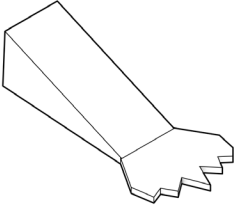
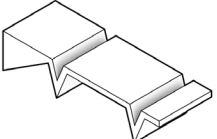
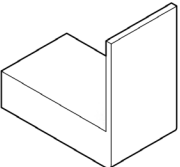
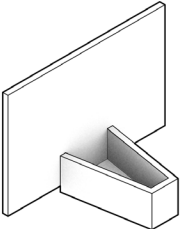
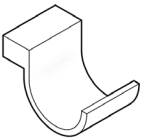
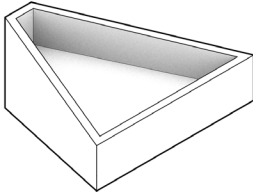
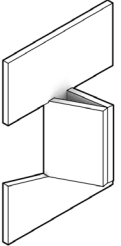
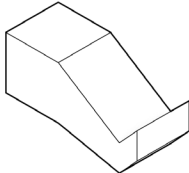
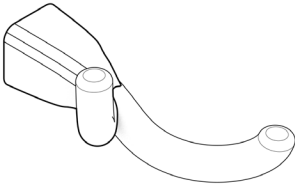
Exploded
Model



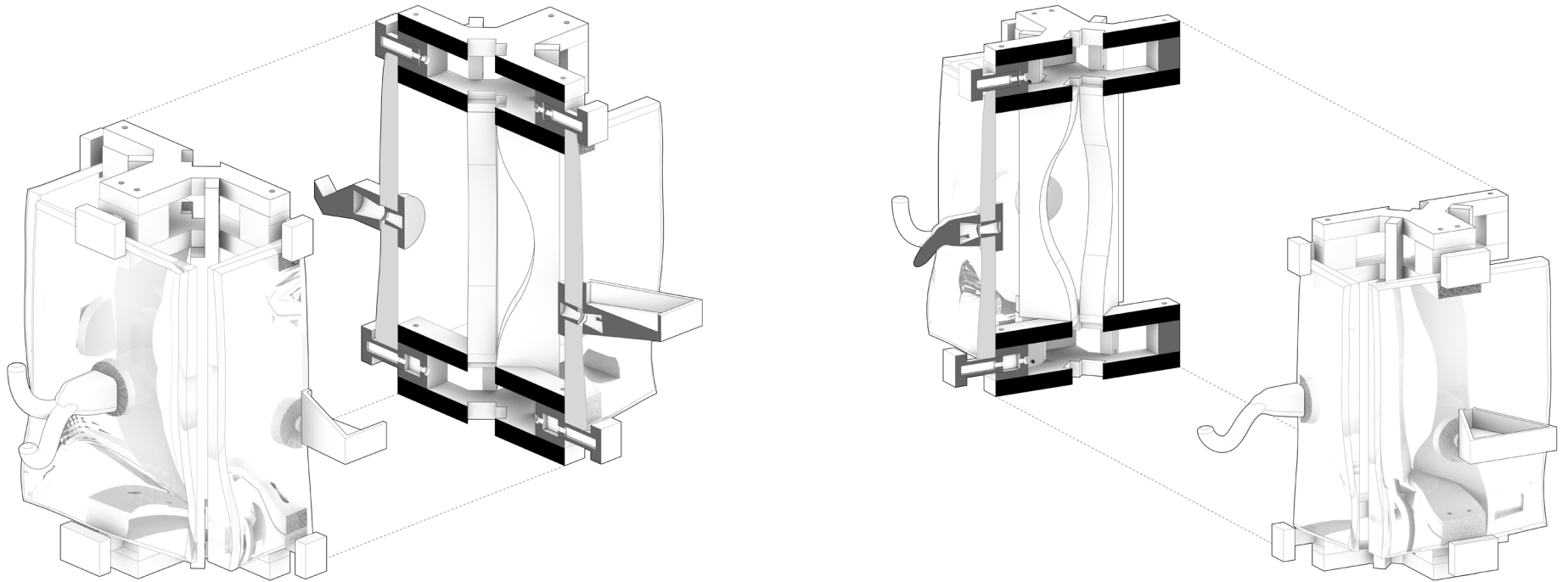
Exploded
Model cont.



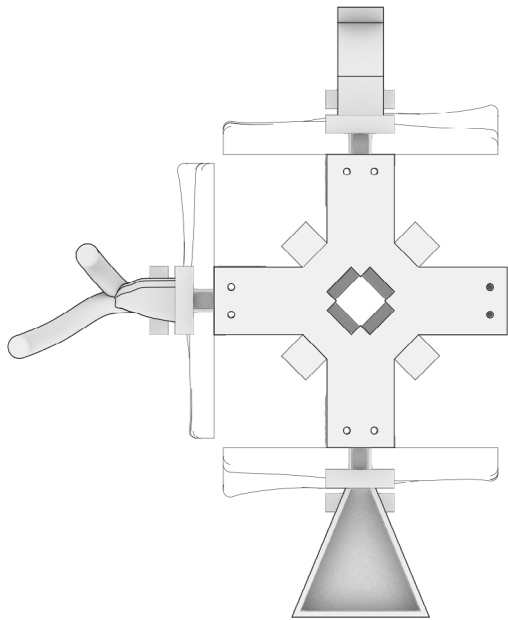
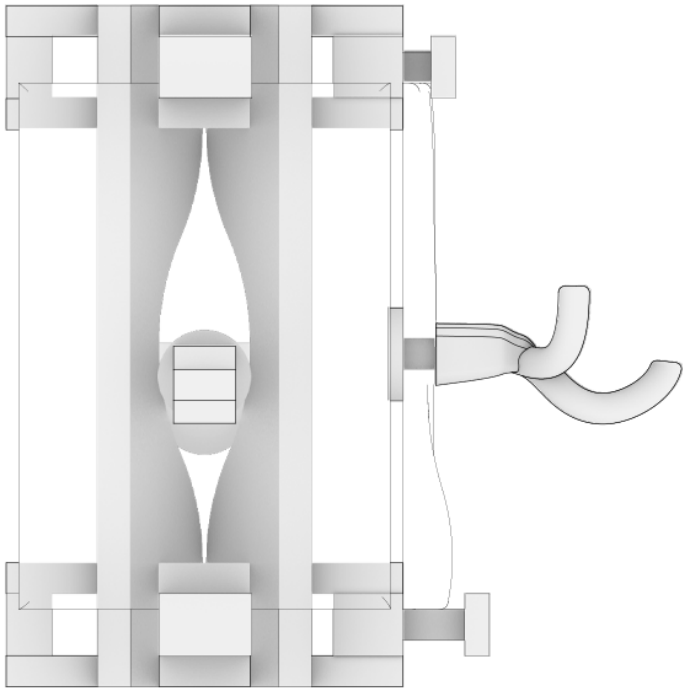
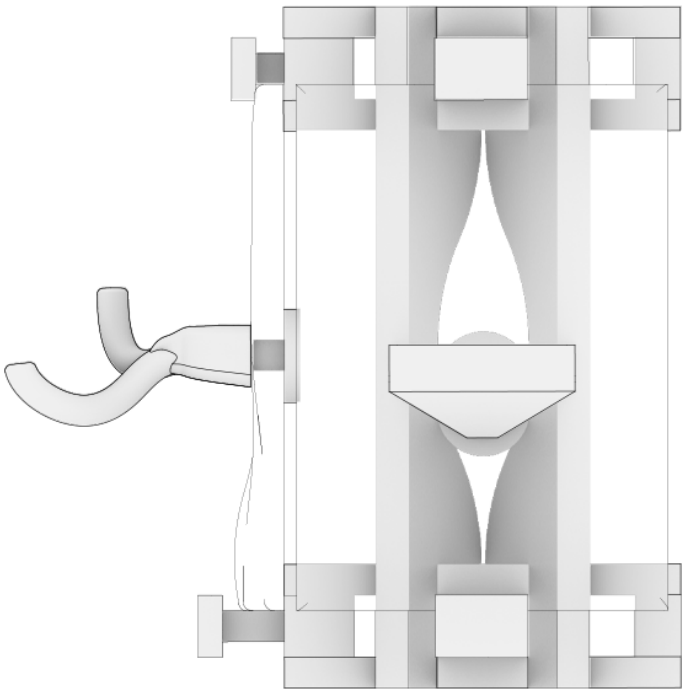
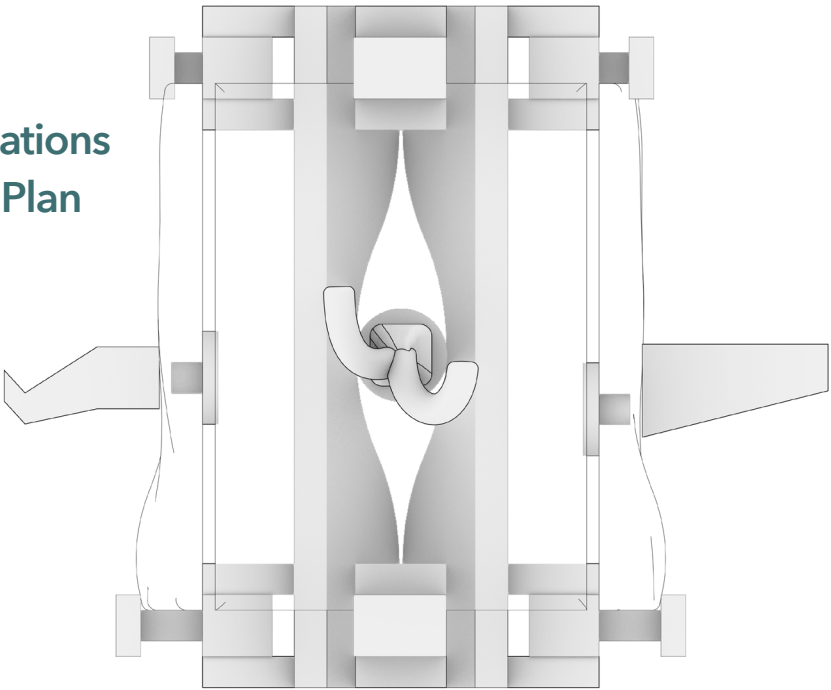
Final
Hooks



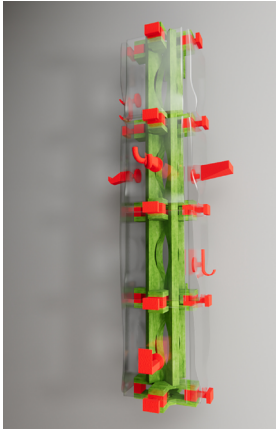
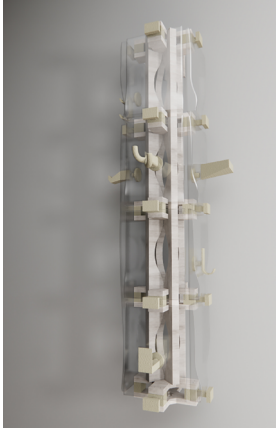
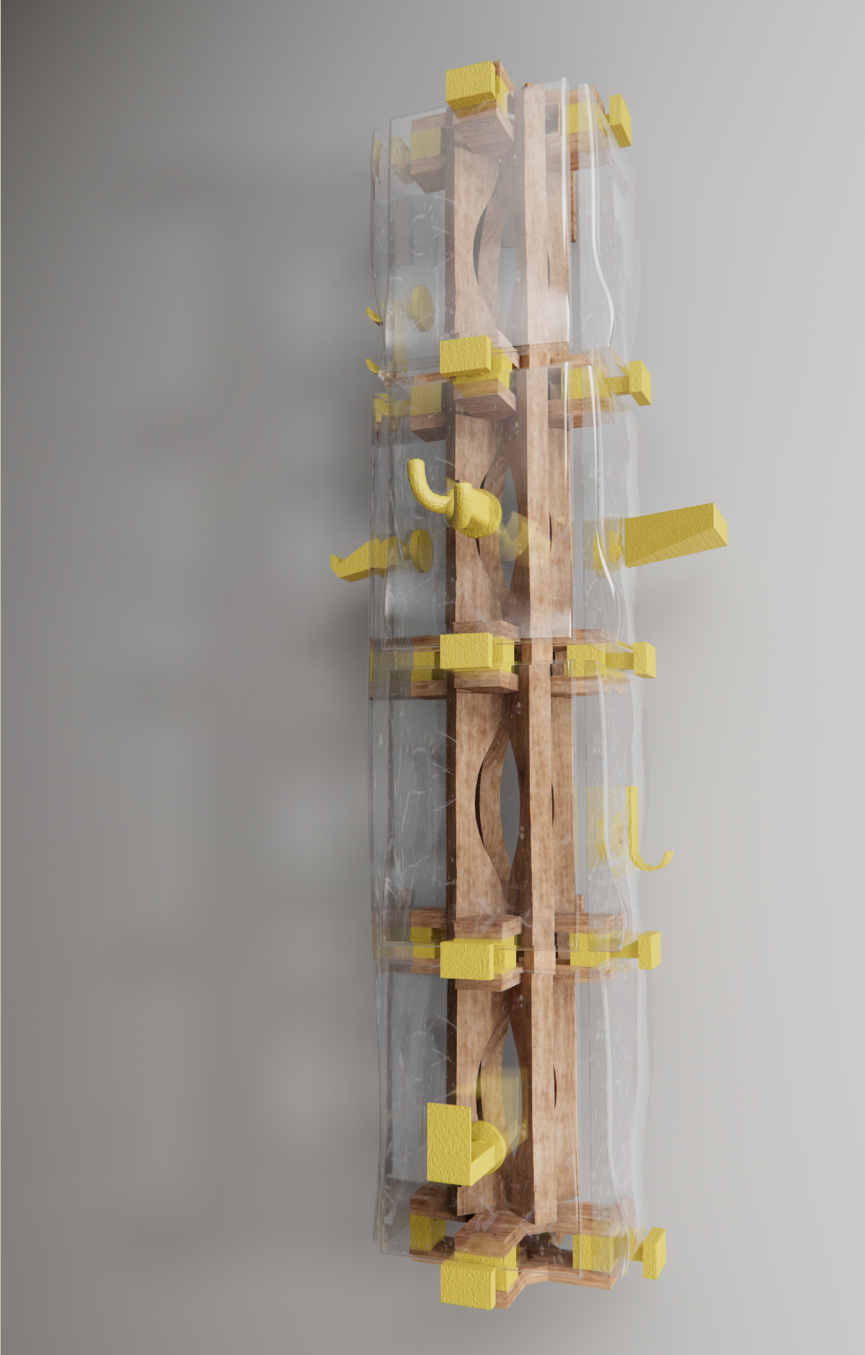
Sections



Elevations
and Plan



Color Options



Conclusions

- LifeRack is a modular design that is eminently customizable
 - Number of modules
 - Hook designs
 - Colors
 - Glass Qualities
- The design achieves its goal of using glass structurally
 - The system is sturdy, not overly weighty, and elegant
- With additional investigation, fabrication technique could be improved

