

# SIVA AFI

Bienenstock Design  
Competition 2023



# DESIGN BRIEF

To develop an original chair design that showcases the student's individual style.

The design must be:

- Visually stunning
- Appropriate for manufacturing
- Suitable for manufacturing and mass production.

“ In reality, creativity is the ability to reach inside yourself and drag forth from your very soul an idea.”      -Lu Dorfsman, Design Chief of CBS Television Network

# PERSONAL PASSION MOODBOARD

We were prompted to discover our personal style by creating a moodboard that focused on our individual interests and inspiration.

## RAW BEAUTY

Raw beauty captures the essence of nature in its pure form. This includes the textures, and forms of in nature that are beautiful without the need for artificial alteration. I explored the human body is part of nature and the beauty in the way a can communicate and express ourselves through movement and tension.

Textures in Nature



Human Form / Gestures



Organic Forms in Nature

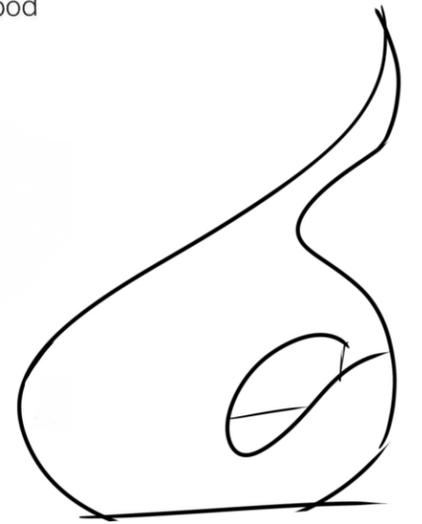
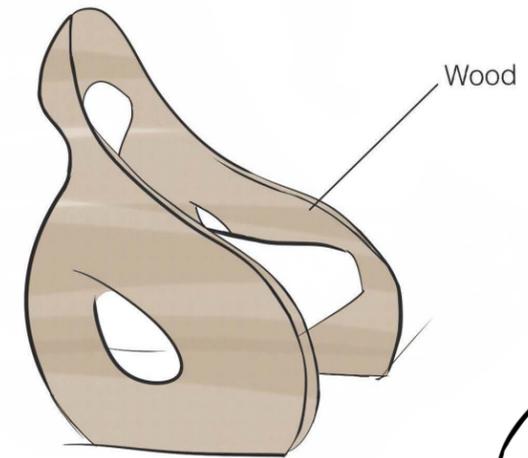
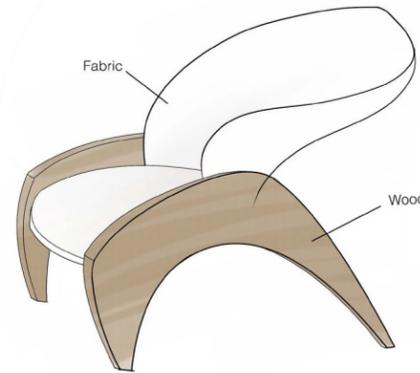
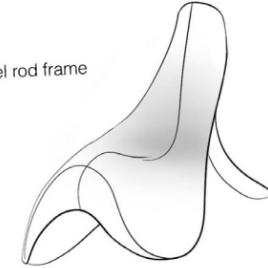
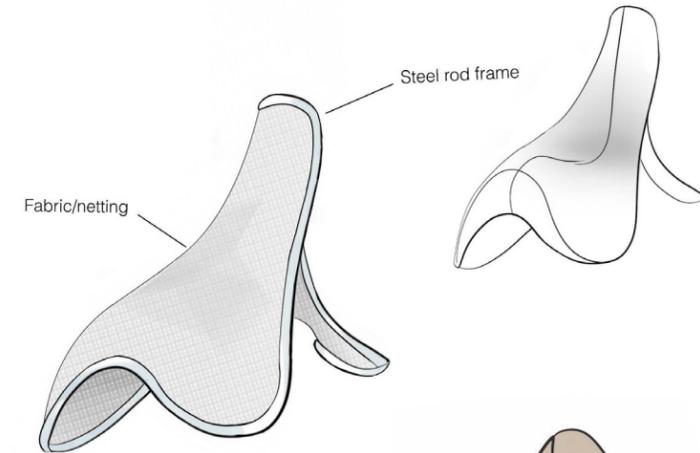
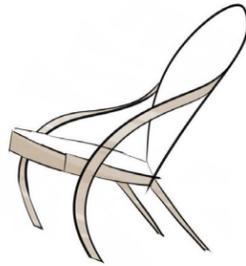
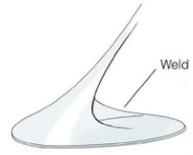
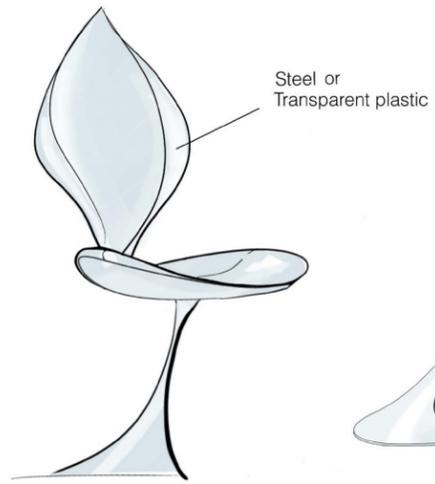




# EXPLORATION

After visiting Kuhl Linscomb and studying existing chair designs, we were tasked to sketch as many chairs as possible by memory and create new, abstract versions.



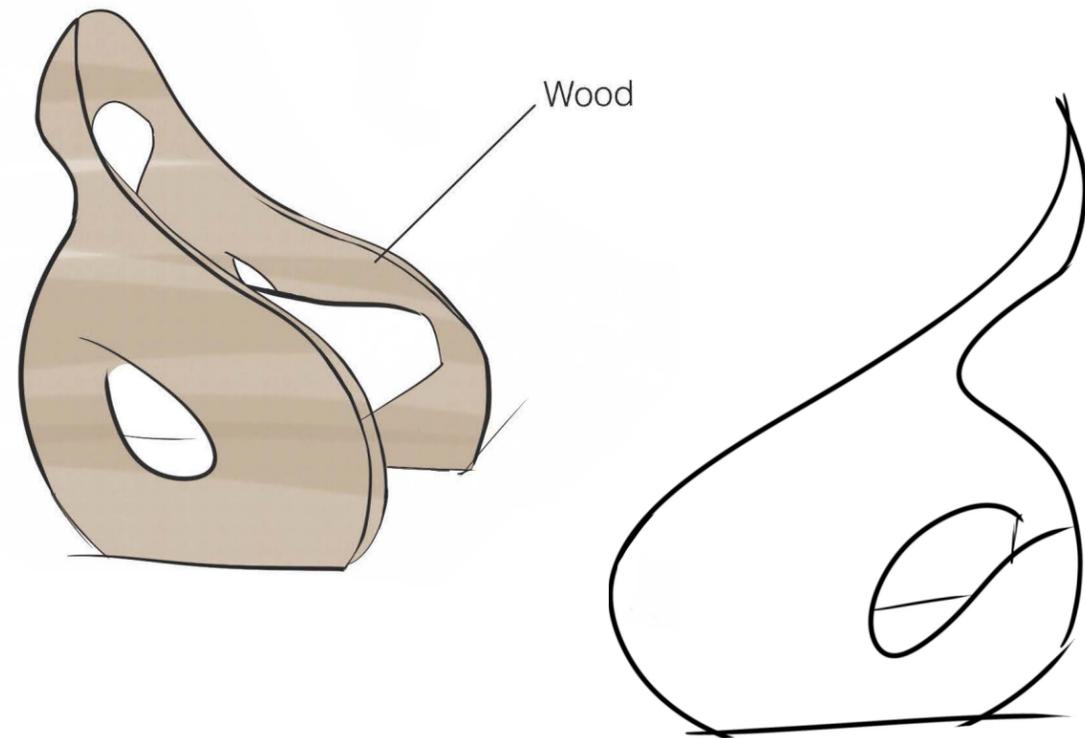


## IDEATION

I wanted to capture organic, natural shapes that communicate dynamic, elegant movement using elongated strokes.

# REFINEMENT

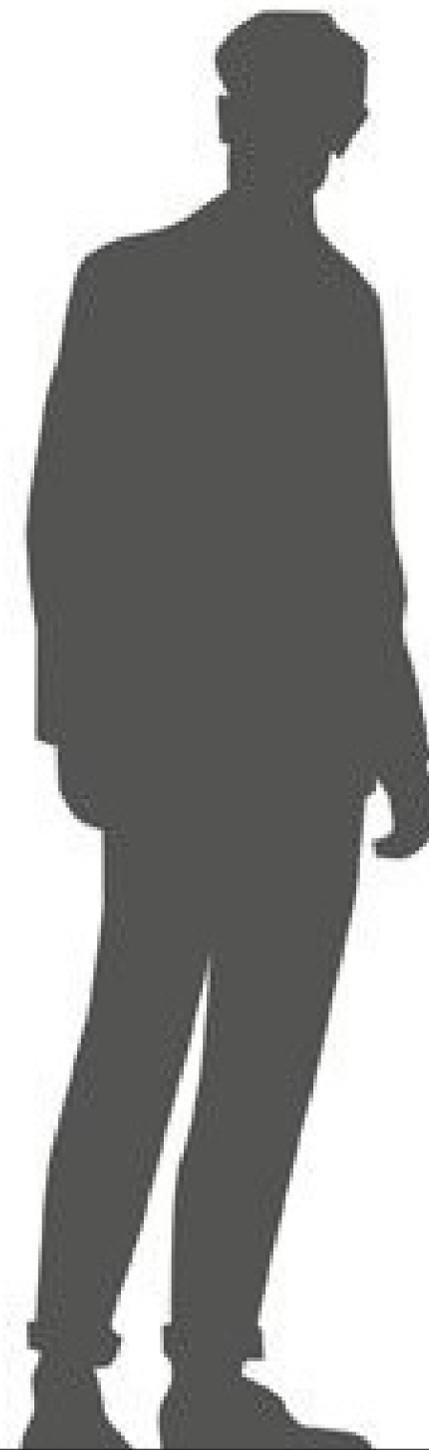
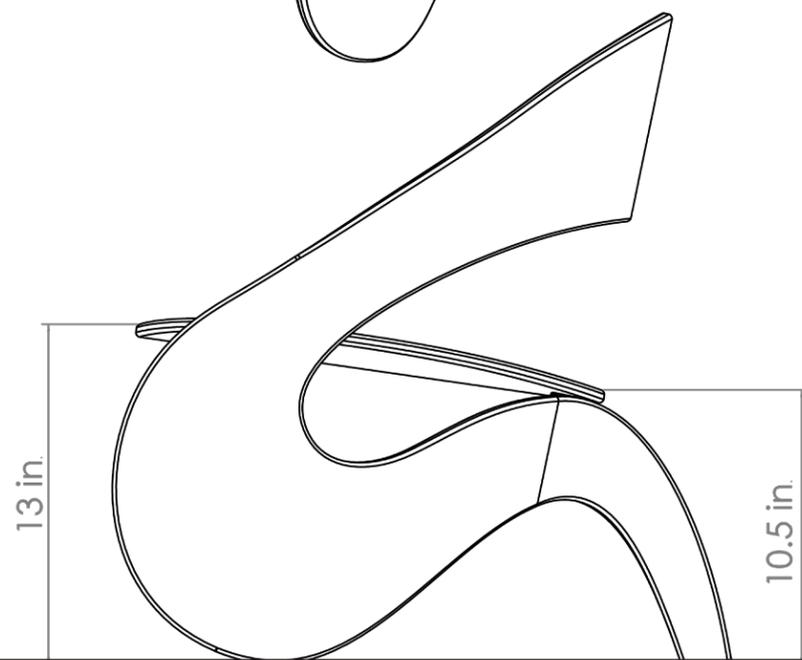
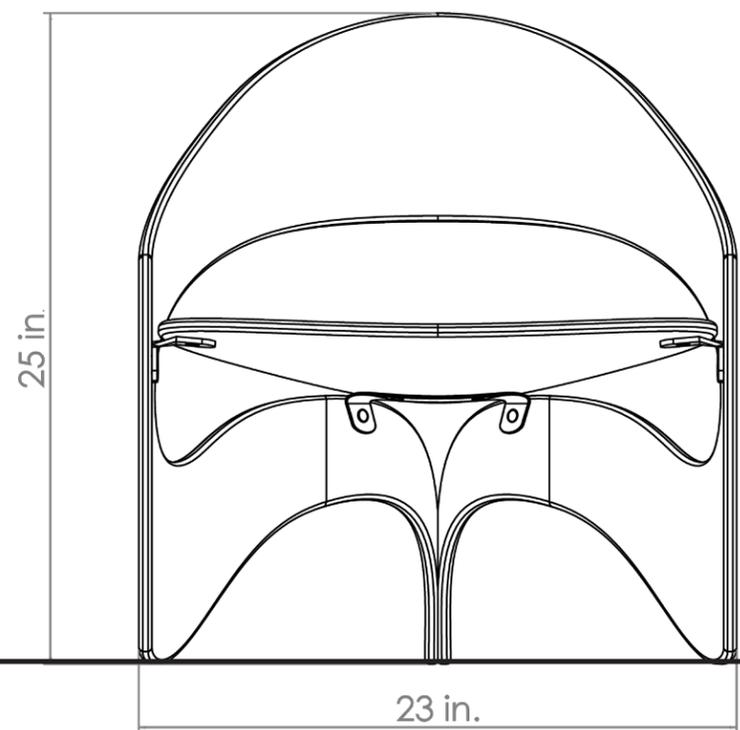
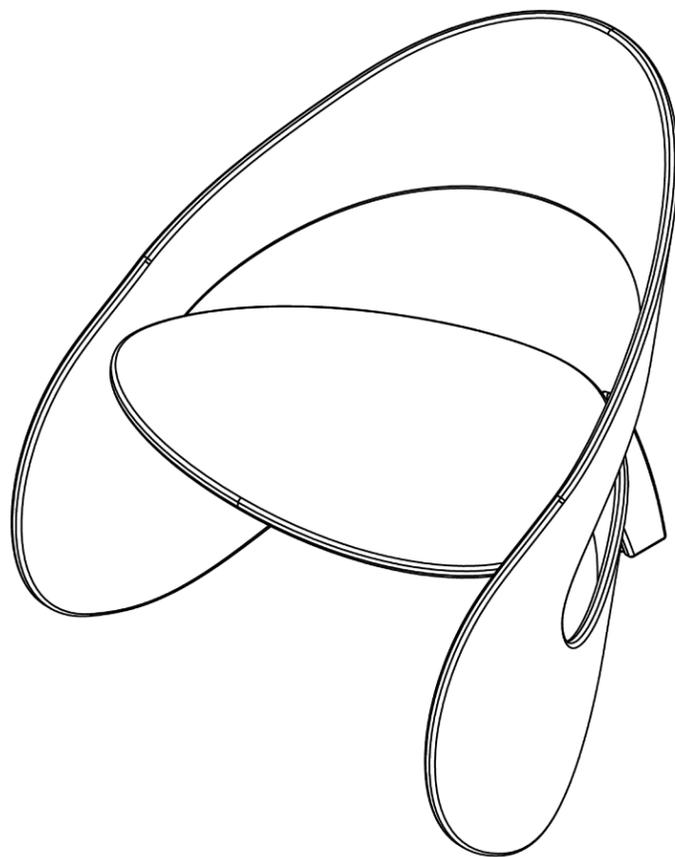
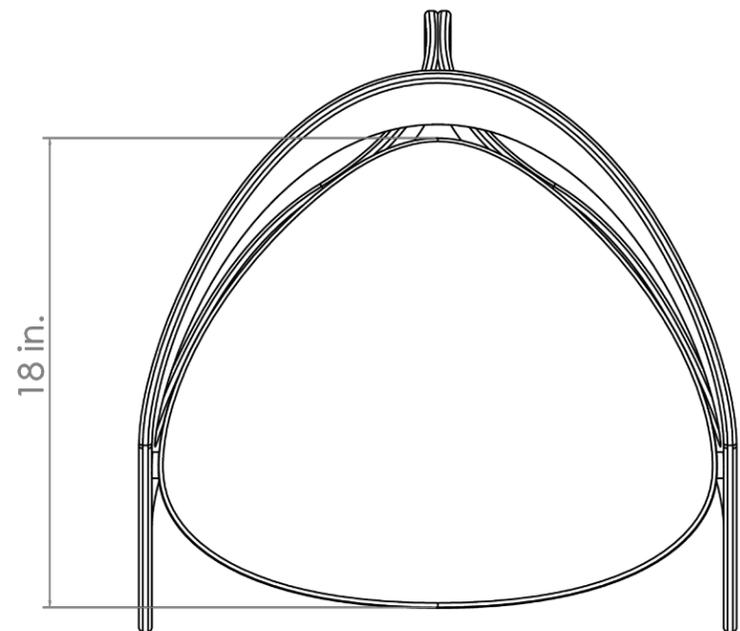
Inspired by the shape of a flame, this side view sketch was key in finalizing my design, though it needed to be translated into 3D form and the details needed further exploration.



## FINAL CONCEPT

Through rapid prototyping, the design evolved into a three legged lounge chair that blends the concept of fire with the movement of dance.





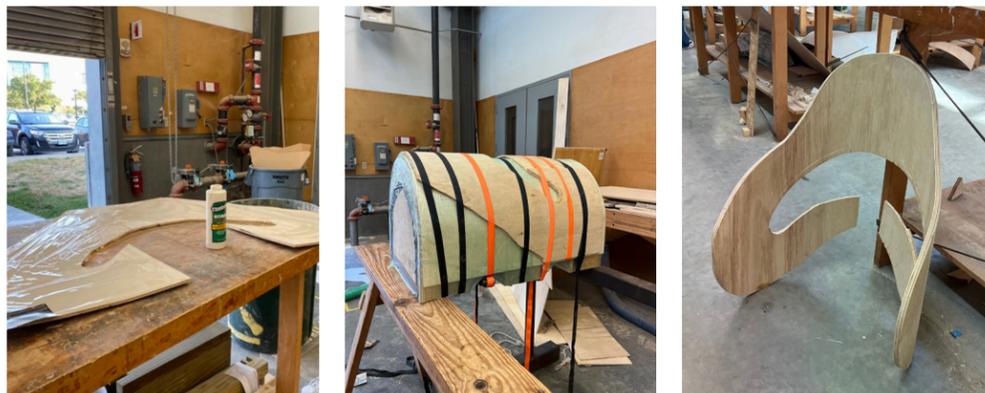
# PROTOTYPING



Step 1: Build the mold out of MDF and bendable plywood, then apply saran wrap.



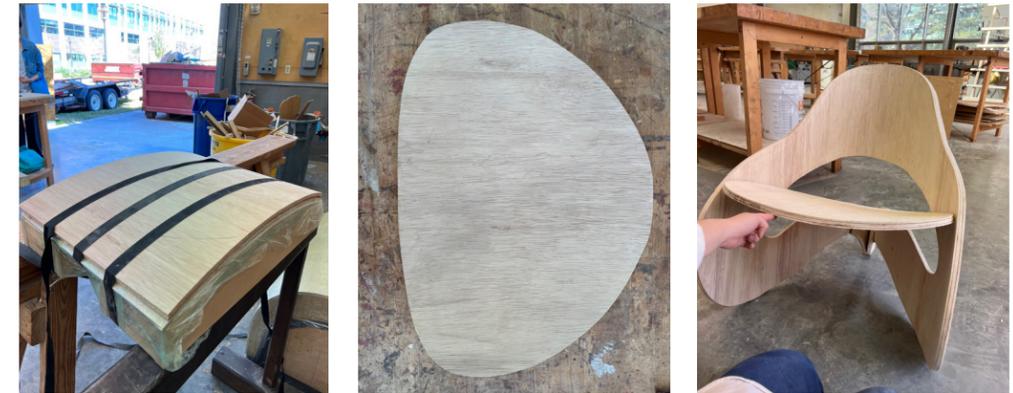
Step 2: Trim bendable plywood to shape leaving extra material to trim later.



Step 3: Laminate the wood using water-proof, slow drying wood glue, and secure with ratchet straps. Then, demold after 24 hours.



Step 4: Using the same mold, laminate the legs and trim legs to shape. Then, glue to the main body of the chair.



Step 5: Make a mold for the seat and use the same lamination process. Trim and attach the seat using right angle brackets.

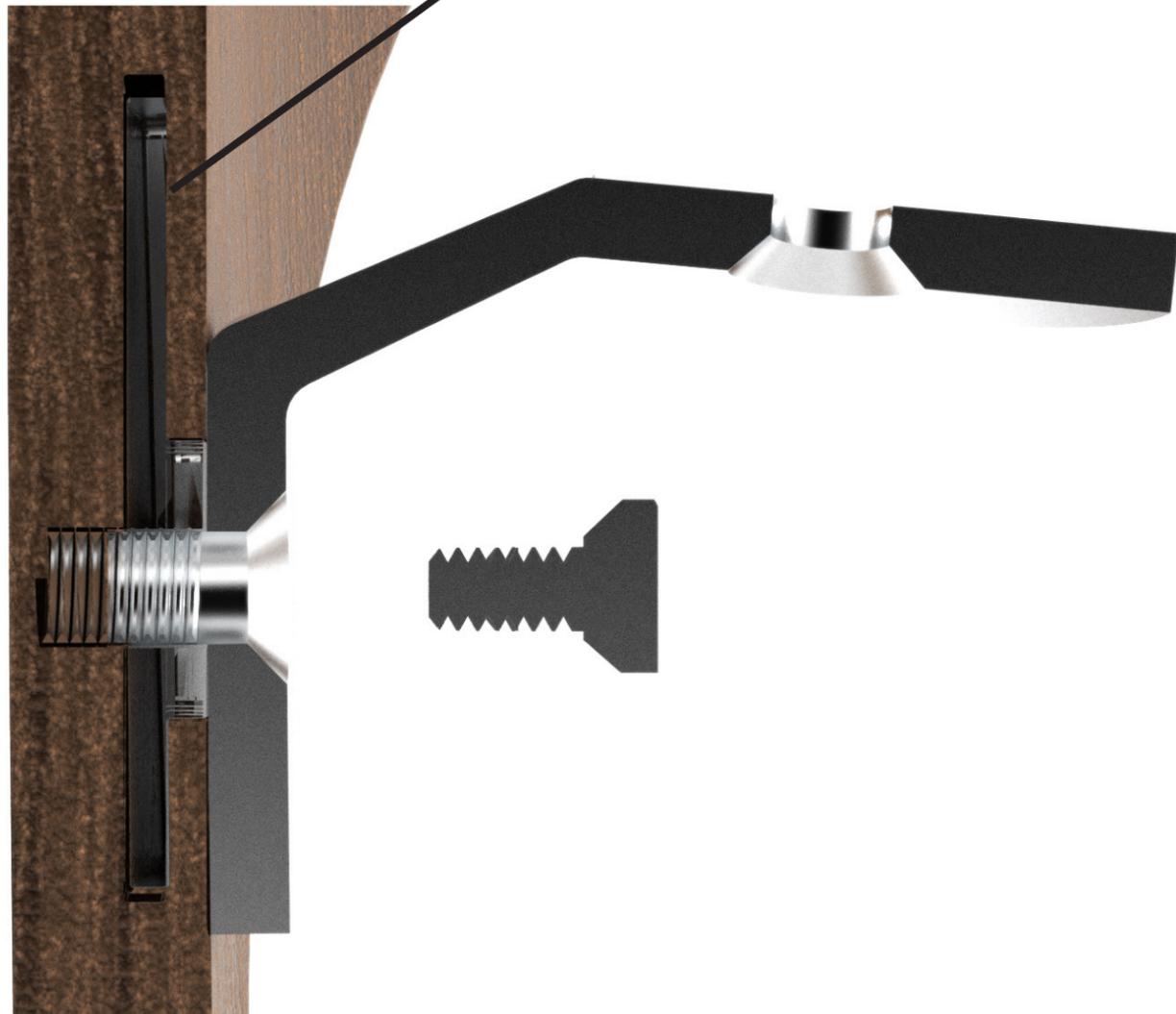


Step 6: Sand the surface and apply wood stain.





**EMBEDDED METAL**  
for added strength





Walnut veneer

Leather seat option

# SIVA AFI

A dance with fire

# COMPONENTS



Main Body x1



Seat x1



Bracket x2



Beam x1



Screw x8



**STACKABLE**  
for ease of shipping







THANK YOU