

SIVE

ELUS

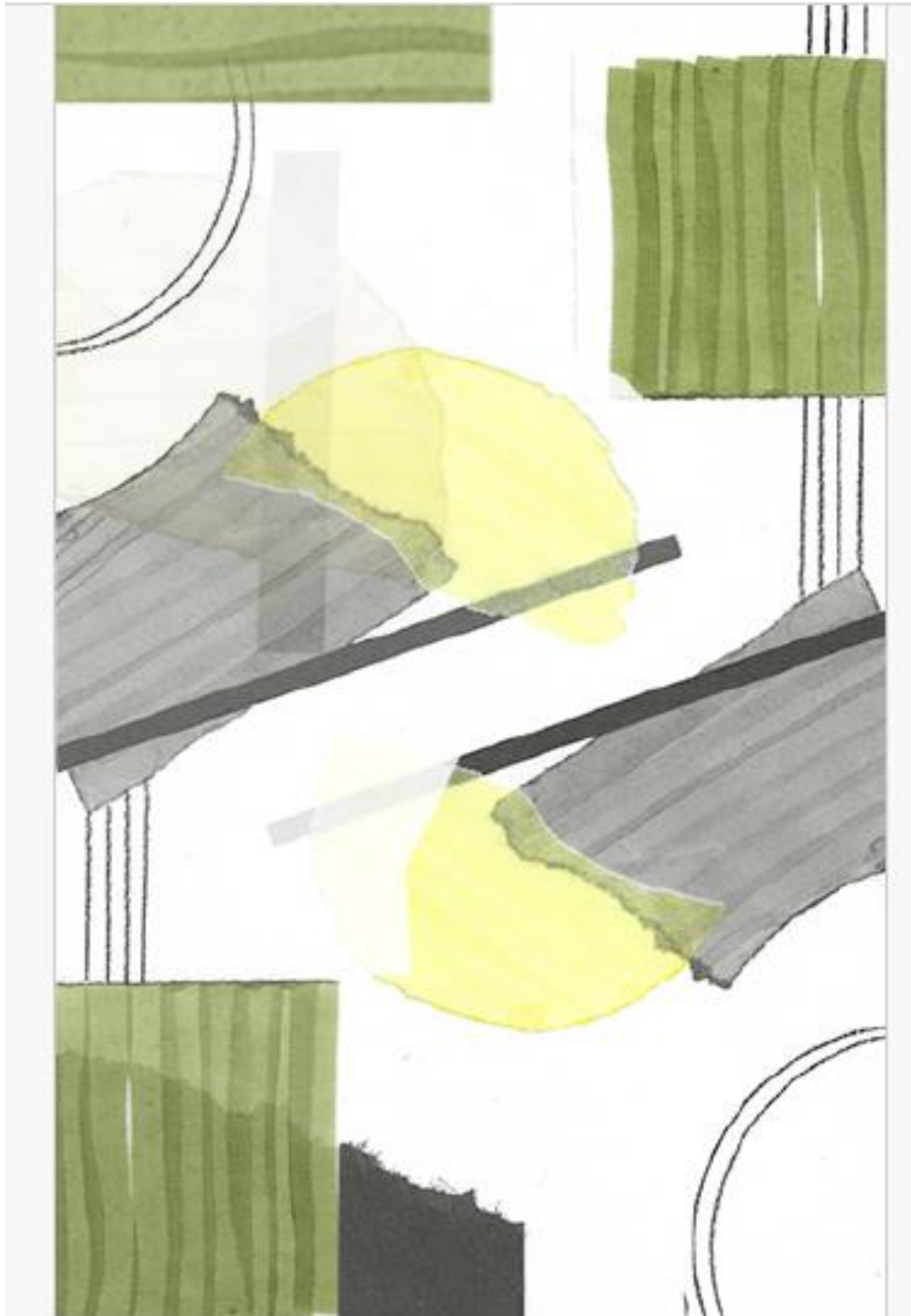


Jade Guerra  
Virginia Briagas

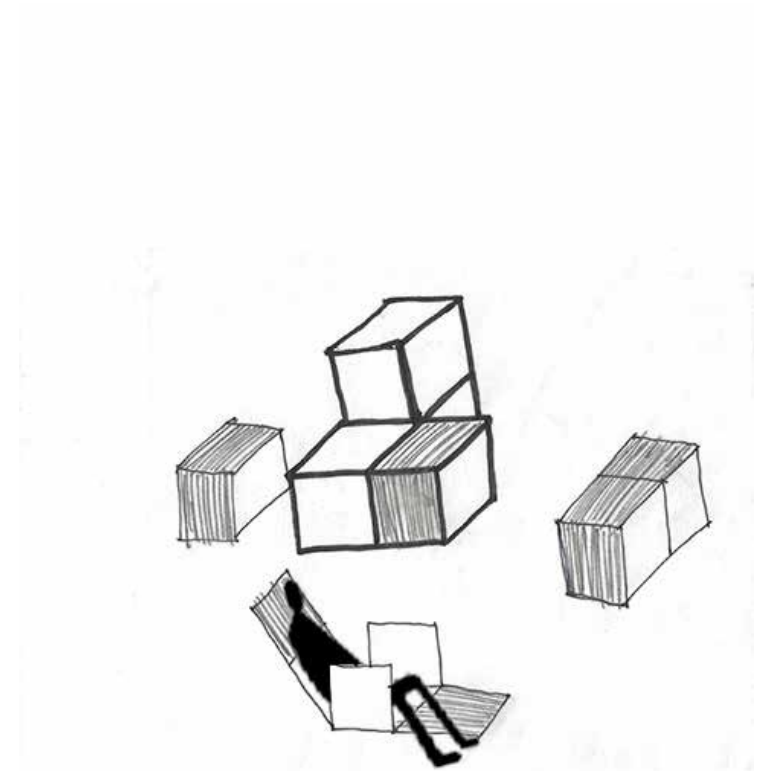


## Project 1

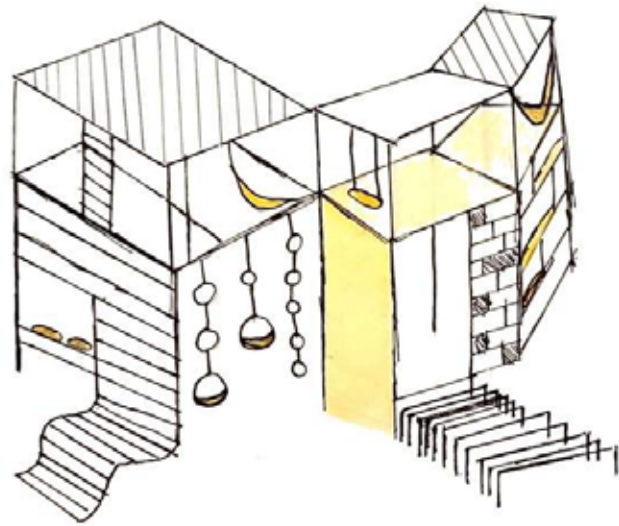
In the beginning, we wanted to do a type of bowl seating that came down from the ceiling. After analyzing the size of the space and the size of other projects, we concluded that our design would take up too much space and not work well with other projects. That is when we started looking into the crinoline skirt used as a structural aspect in fashion. It was at this point that we were inspired by the dresses that were designed in the 1800s. We started doing multiple iterations of “curtain dresses”, yet they were still too big & overtook the space. Then the concept evolved to cutting the curtain dresses in half, creating a “belly” “-like shape. The belly is meant to perform various transformations like hooking up onto the veiling to create more of an open space to also being able to move along the cross-section of the site. Being able to move the curtain allows anyone to create moments of intimacy anywhere on the site. We searched for various precedents and designers like Petra Blaisse, as well as different methods used in fashion for putting the dresses together like sewing. We researched & experimented with many different materials to see what would work best for our concept & design. To create the belly structure, we used vertical elements such as cables to allow the curtain to bend and move within the site. To move across the space, there will be a railing system in the ceiling in which the bottom of the curtain can be hooked onto as well as move horizontally. Further experiments for our project will be a deeper investigation strength and structure of the curtain dress and the ability to hold shape with movement. Integration with the landscape project would be utilizing their design as an extension of our curtain dress to allow more seating and collaboration within the site.



Collage - Eileen Gray Inspiration



Drawing



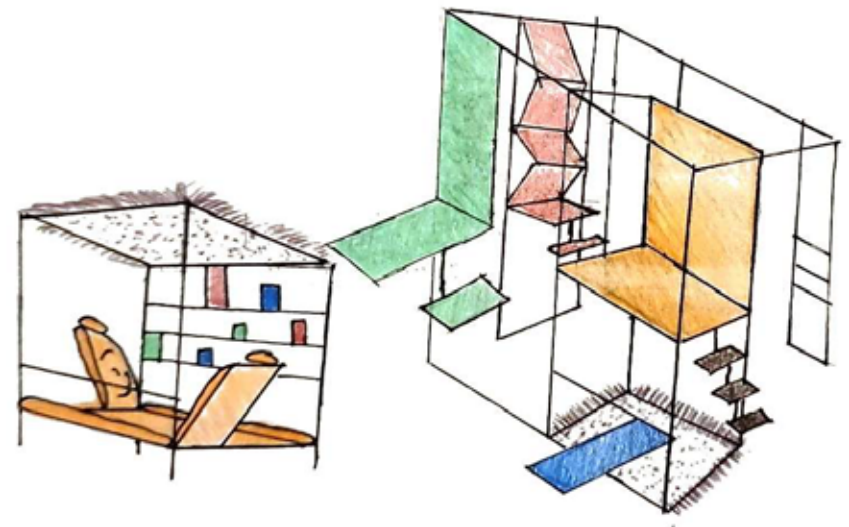
Drawing - Rozana Montiel Inspiration



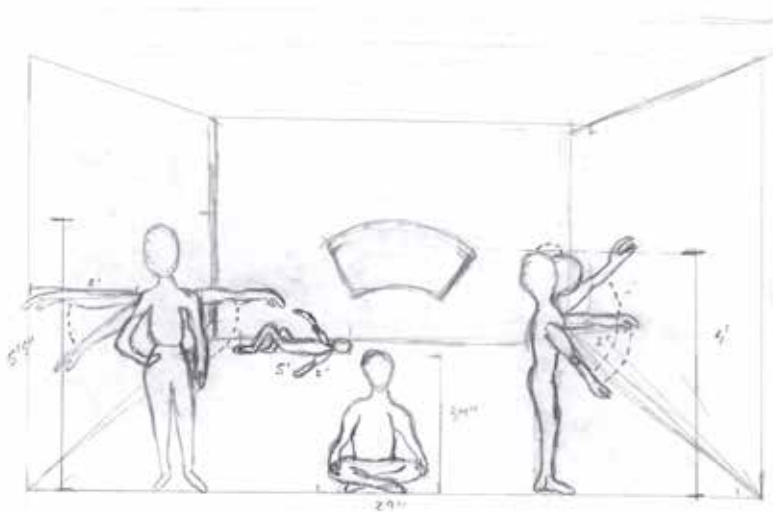
Collage - Rozana Montiel Inspiration



Model - Ken Isaacs - Unfolding Walls



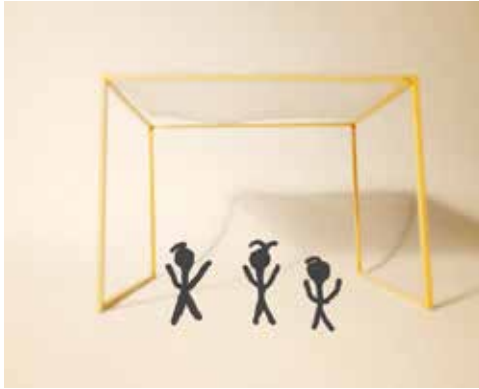
Drawing - Ken Isaacs - Unfolding Walls



Drawing - Ergonomics

Ergonomics is how our body moves and how it adapts to move in a given space or with a given product. It is finding the balance and discovering the capabilities our bodies can perform when interacting with the form and demands of a design. The human body is a sensitive organism, so it comes down to testing at what points can our bodies expand to reach comfort. Testing the wide range of movements our body can perform in how it can position itself and act will help the body figure out a position in a design where it feels at its best. Ergonomics is more than how our body can sit, it is crucial to understand our human body, our comfort state, and our efficiency to reach an attraction towards design.

Ergonomics



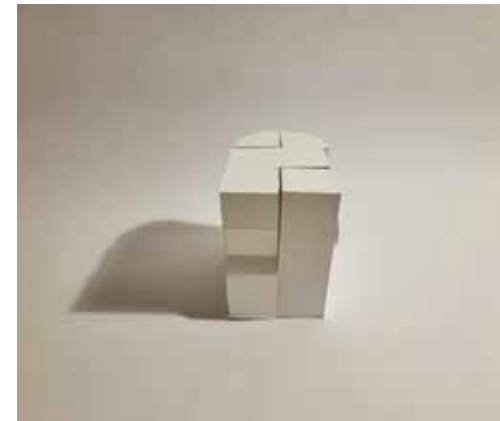
GIF



Collage - Hanging Spaces

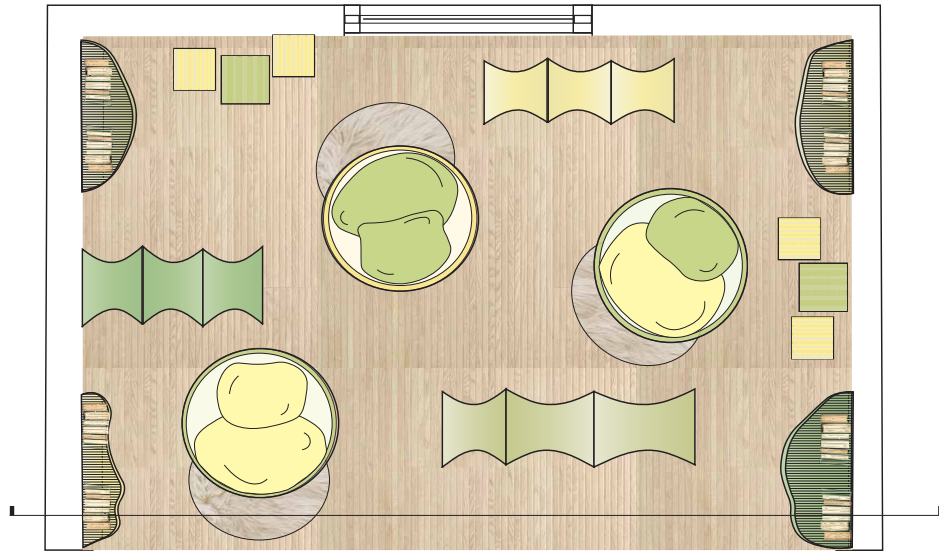
We must ask nothing of artists but to be of their own time  
 Resilience Give Traditional A house is no  
 ordinary material a Diversity a machine to  
 different quality Modern live in  
 Relationships activate a space Recycle culture  
 Resignify Compromising Reuse Redefine  
 Rework whole system Community manifesto  
 Locally sourced Contemporary Ecosystems  
 Innovative Rework An underlying thread to everything  
 Actions into projects Matrix landscape organized  
 To create, one must first question everything  
 Flexible Build Narratives Compact Light  
 Dialogue Reactivate Develop movement Potential  
 identity Transform simplicity Contemplative  
 organic openness Perception Transforming space into place  
 Shaping an Environment Elusive act  
 changing barriers into open boundaries Equity Time  
 Rhythms Flow of forms mobile  
 Depth Modular Inventive Sensuality  
 Layers Revive Transitional spaces Living structures  
 development of alternatives Reinterpret  
 The future projects light, the past only clouds  
 Flexible

Collage of Words

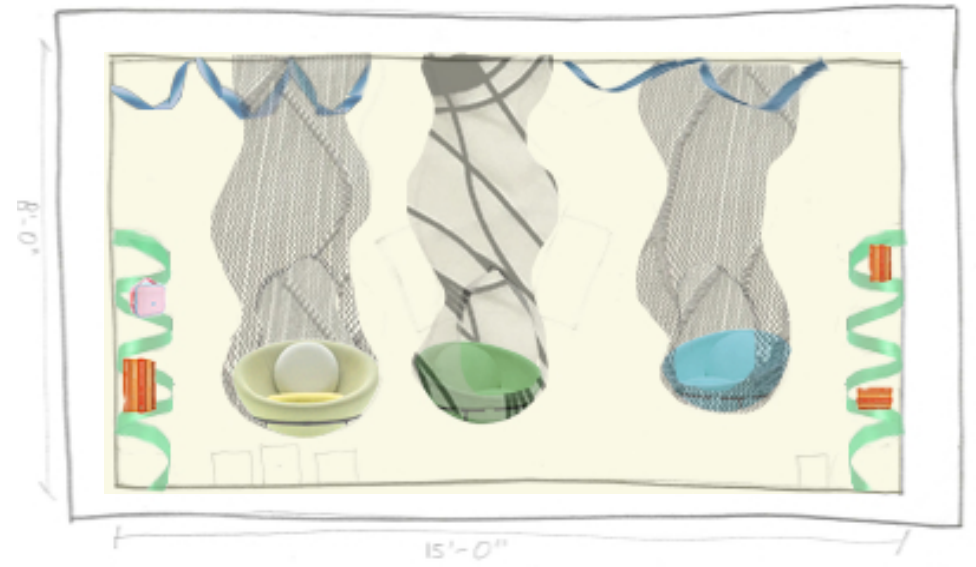


Model - Combined Elements

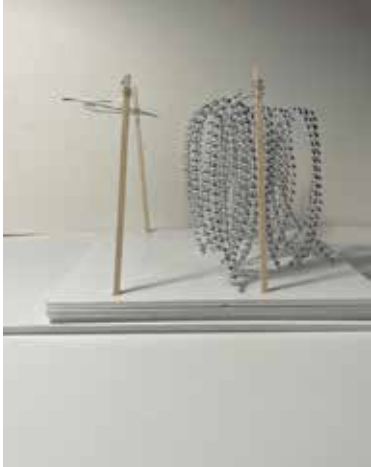




Ceiling Chairs - Plan



Ceiling Chairs - Section



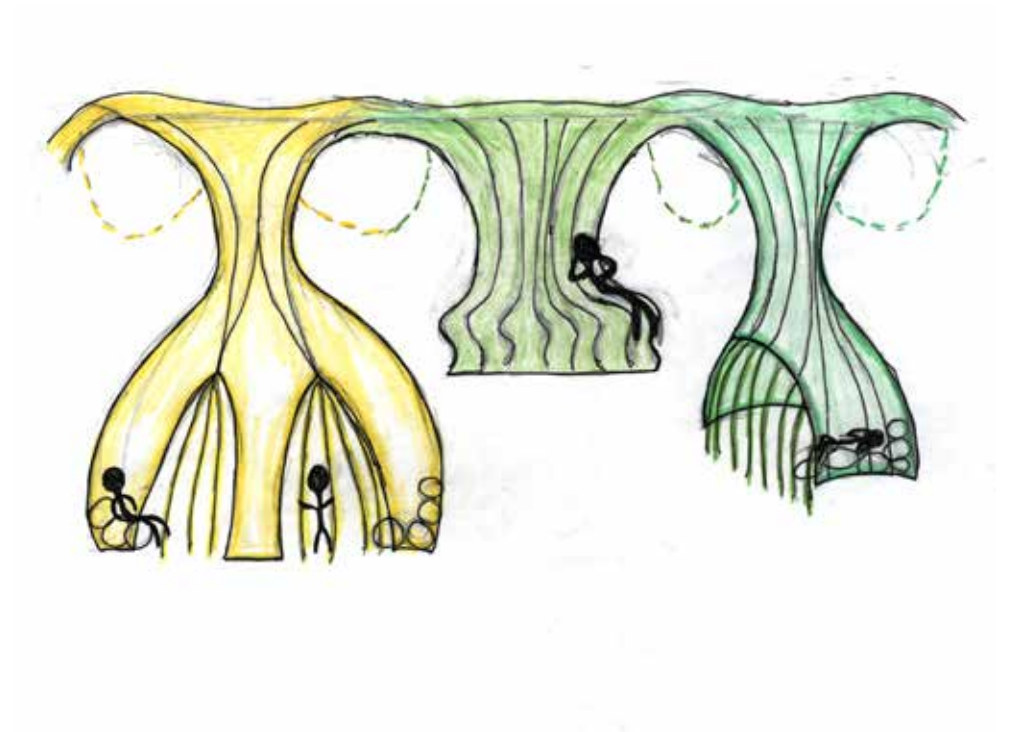
Model - Frida Escobedo - Soft Walls



Collage - Curtain Spaces



Model - Transparent Spaces



Drawing - Creating Spaces

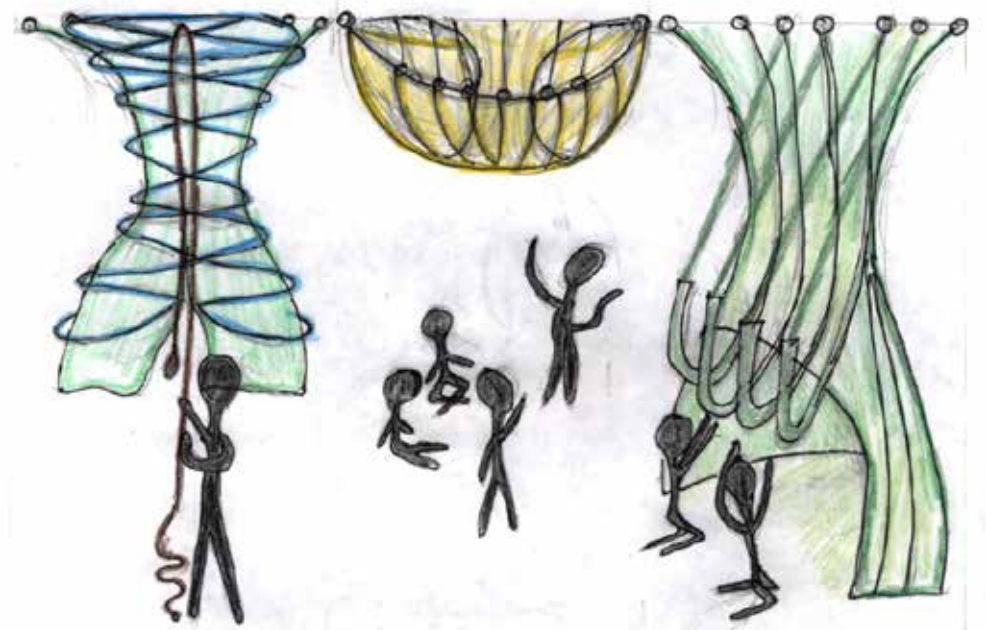


Model - Curtain Rooms

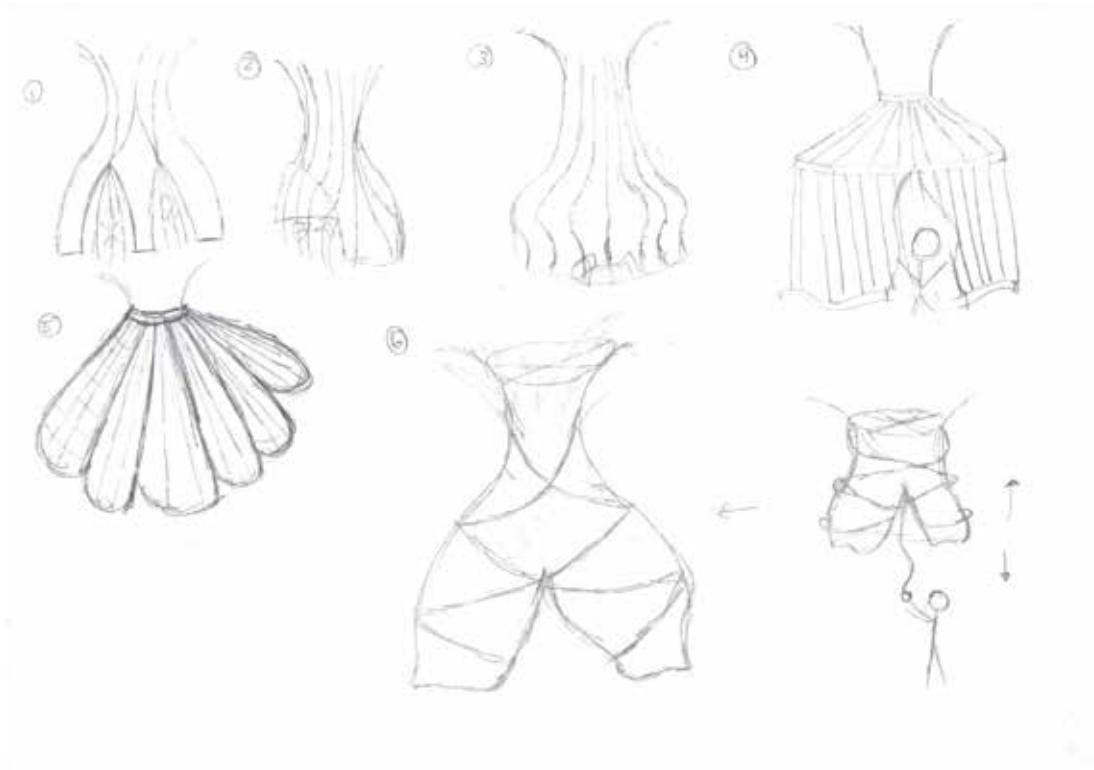


Drawing - Crinoline Rooms

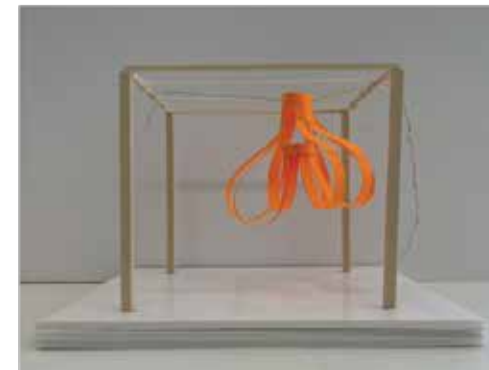
Project 2



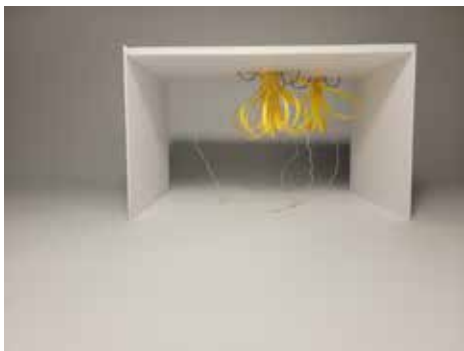
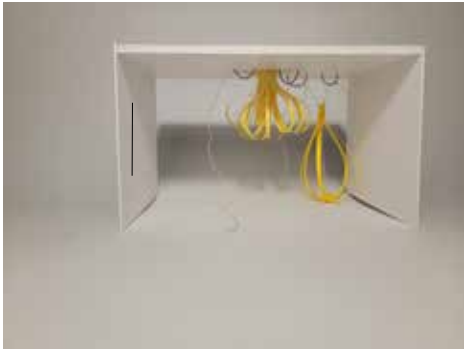
Drawing - Crinoline Rooms



Sketch - Crionline Shape Rooms



Model - Orange Belly Room



GIF - Concept Model



GIF - Waving Belly Room

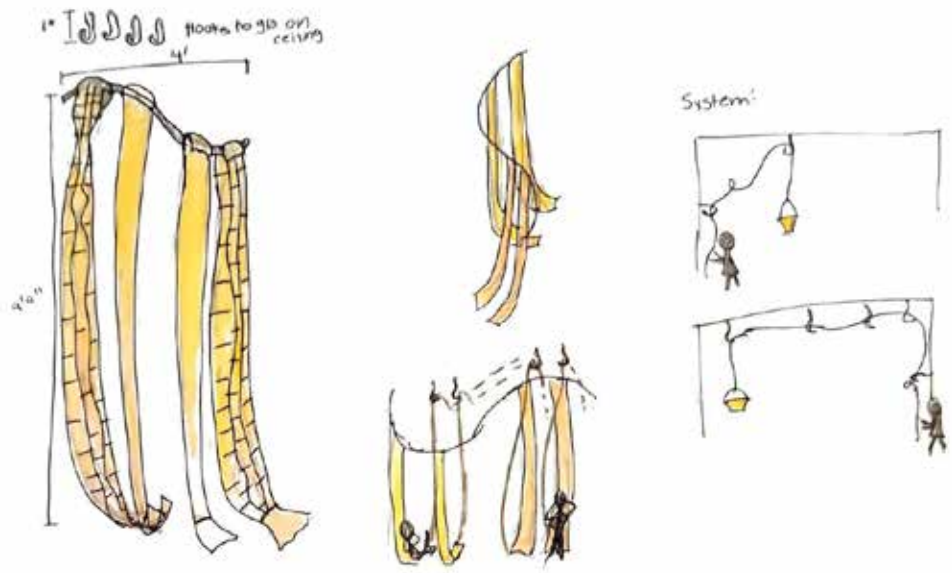


Weaving Model



Weaving Model

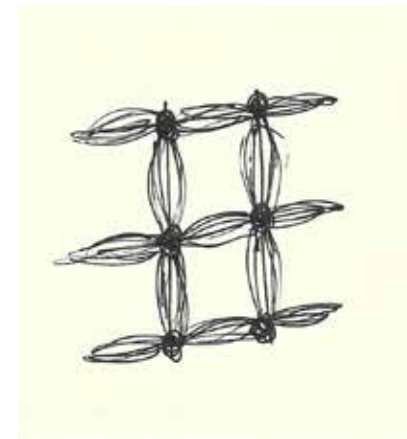
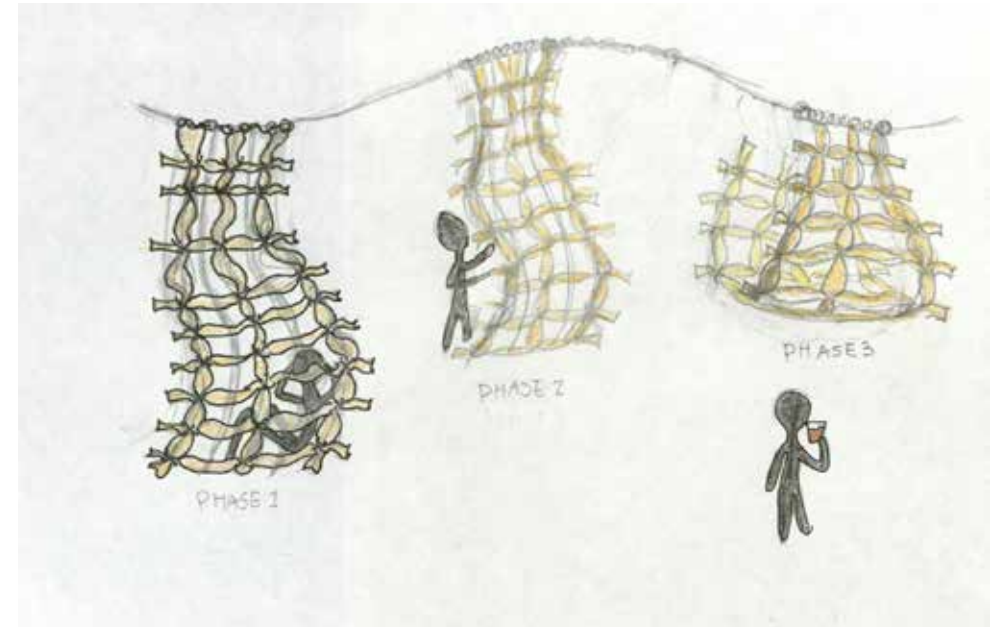




Sketch of model

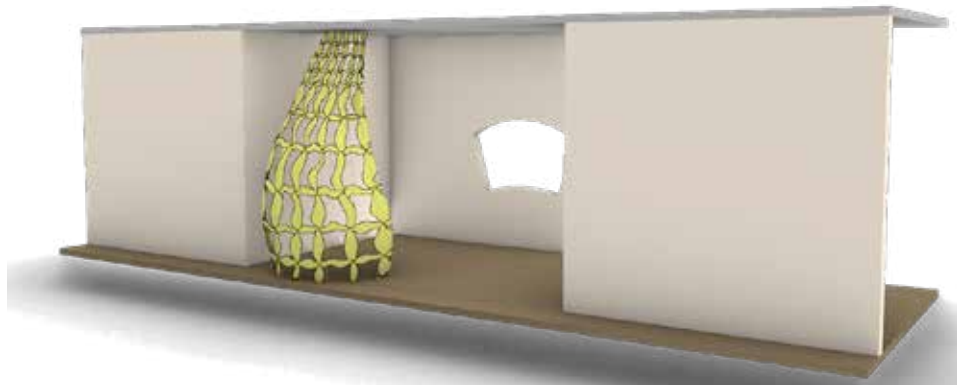
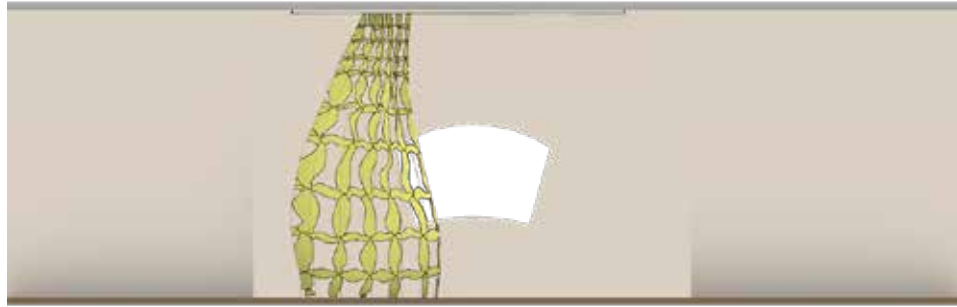


Model - Belly Strip Room



Digital model and Elevation

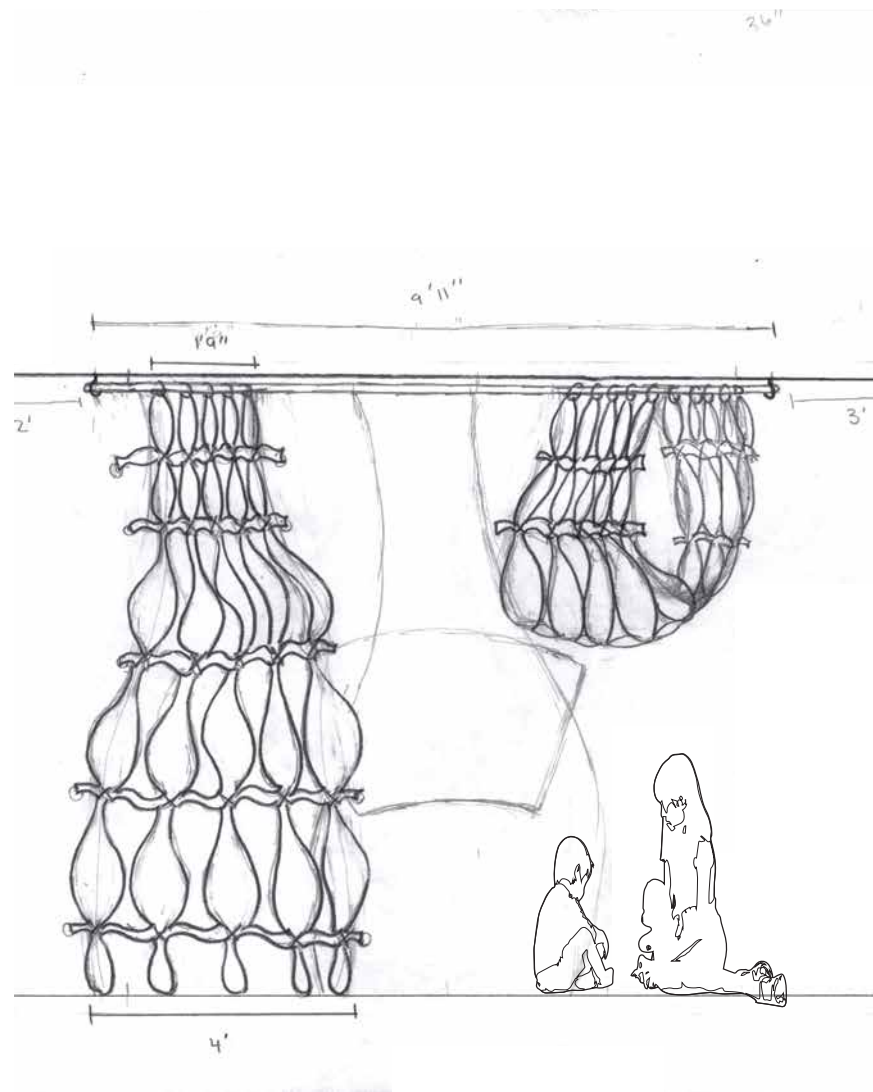
Concept Drawing



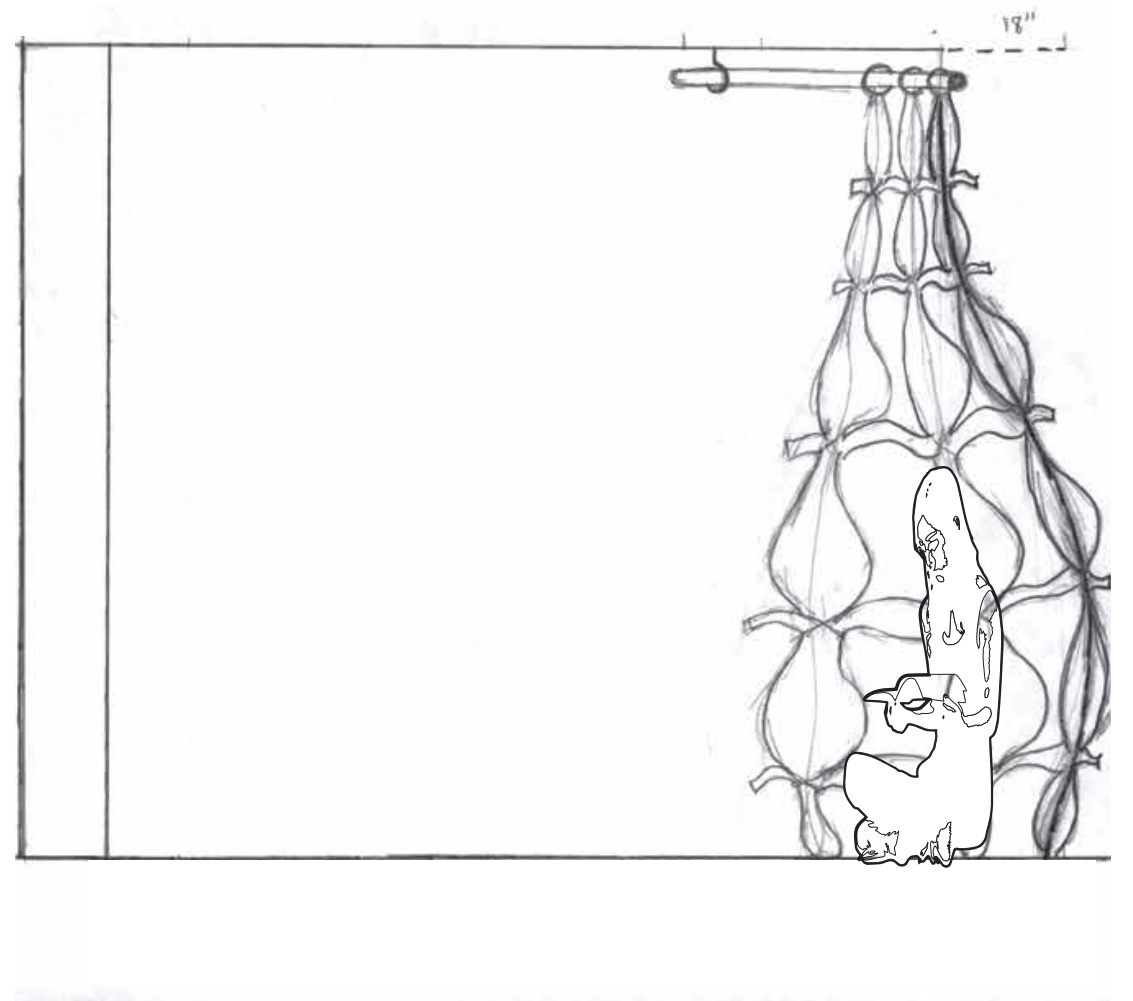
Front and Side View



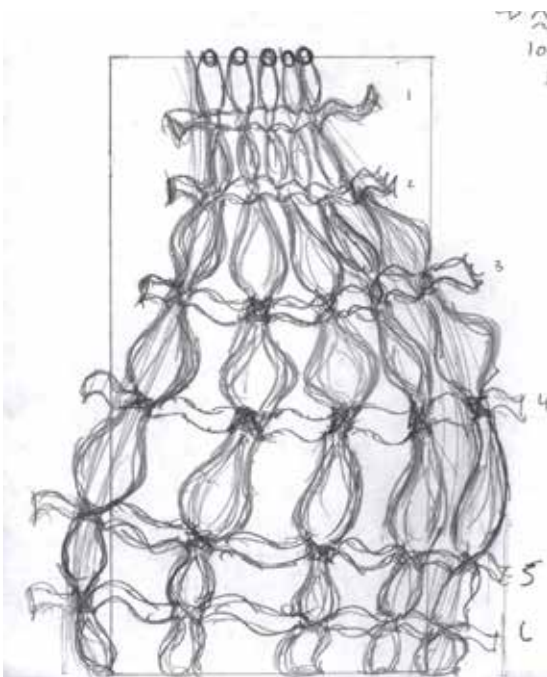
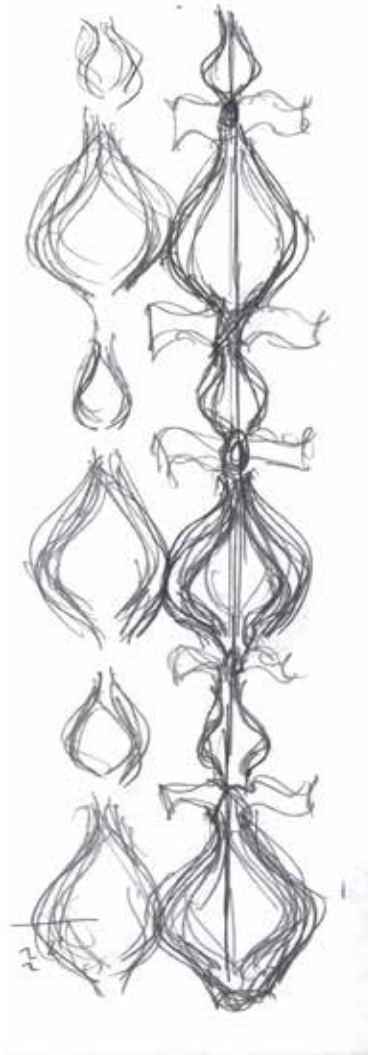
Knotted Belly Room



Elevation



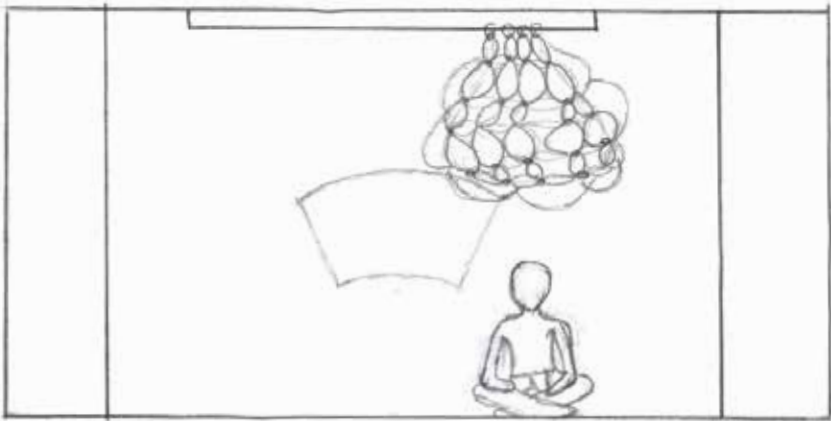
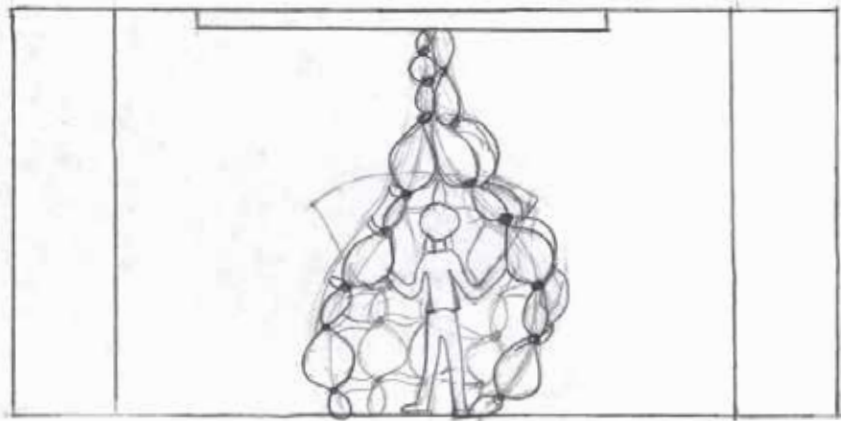
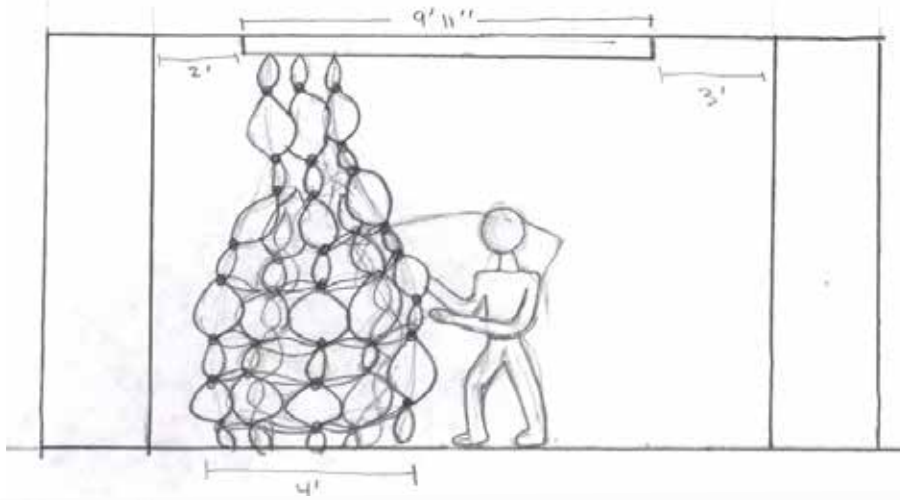
Section



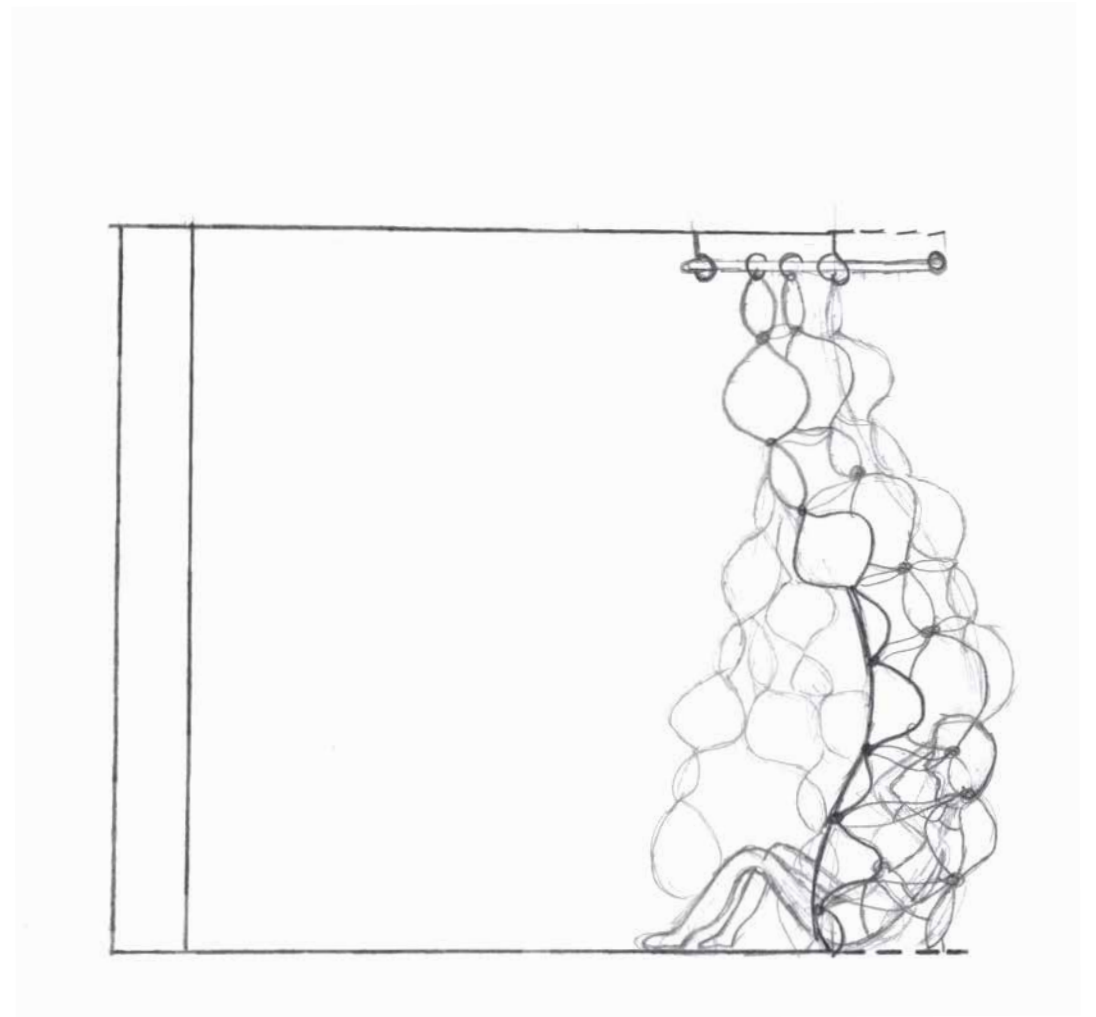
Exploration of Pattern - Bubble Pattern



Full Scale Model - Pattern Exploration



Elevation



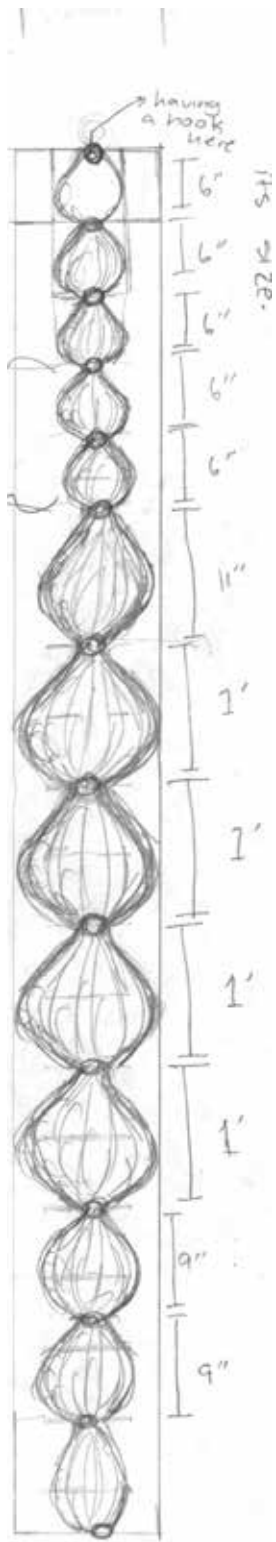
Section



Bubble Pattern



Model -Bubble Pattern Room

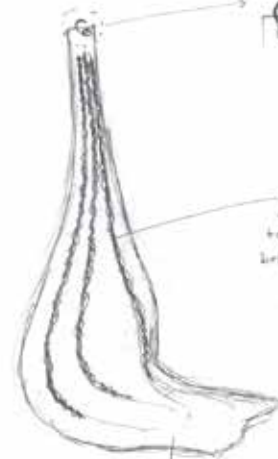


BEGINNING

Structure to form belly / Hook to hang.



Flexible cables going vertically to support/make belly structure.



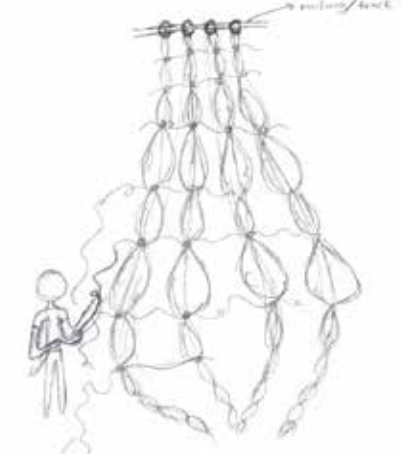
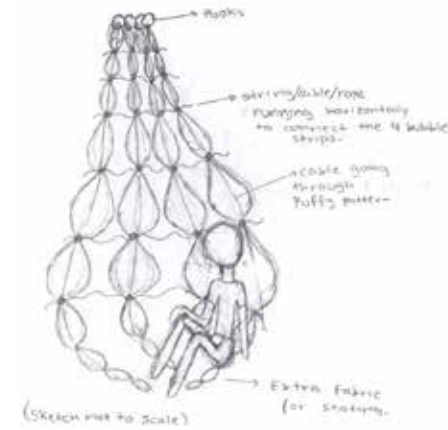
Extra Fabric laying on floor for potential coating

- 5 strips dividing what used to be 1 whole structure.
- Flower Petal Belly
- The strips will form the belly structure.
- All 4 maximum 2 belt belts.

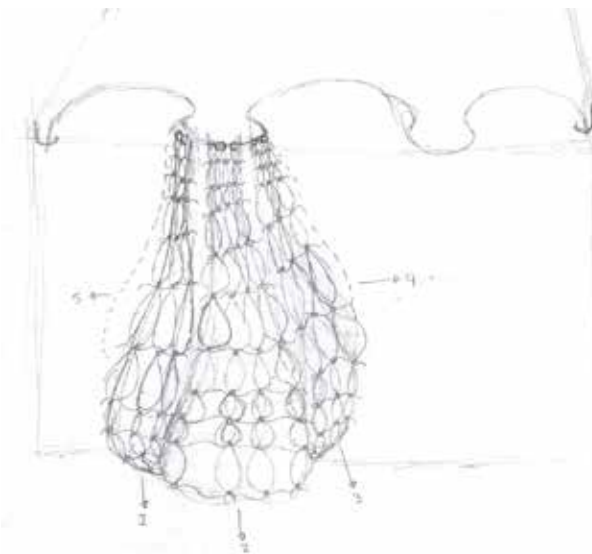
Sketch of Model Idea and Pattern

Applying Pattern to Strip

Horizontal Strips Usage



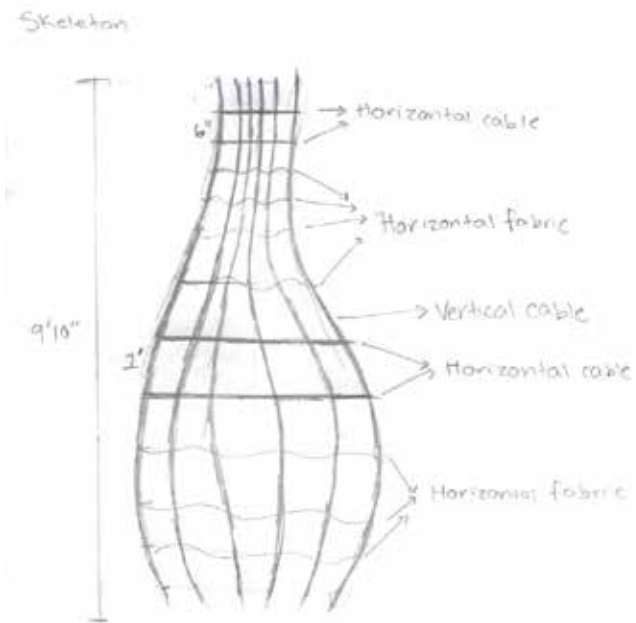
- The horizontal strings being by the user to have the bubble strips be more permanent.
- Allowing bubble strips to flow freely across track/walking system.



A belly sock with 5 strips/petals composed of 4 bubble strips connected by strings/cable that can be varied to have many single independent strips. Allowing for users to play with the flow.

Sketch of Model Idea

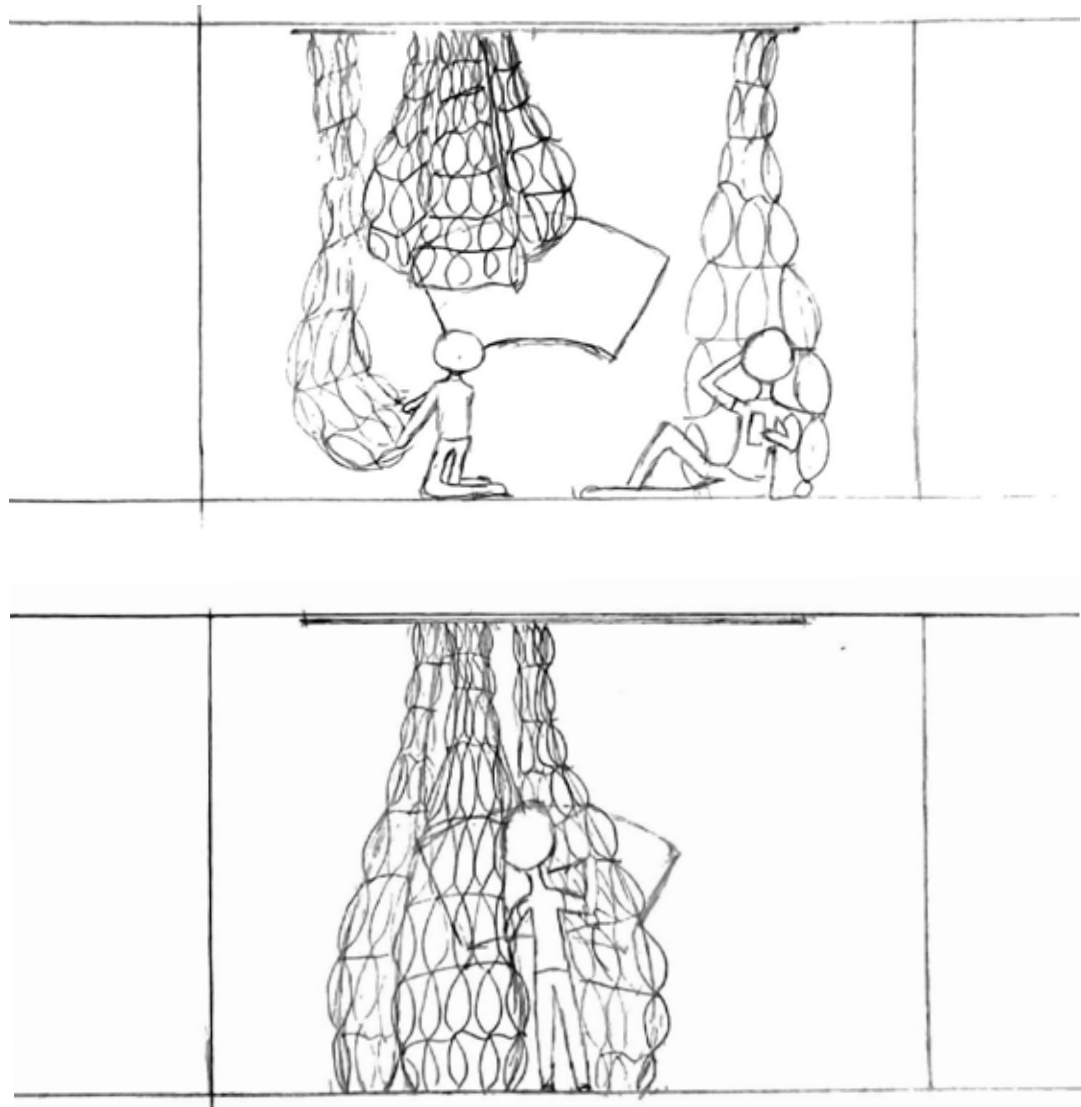




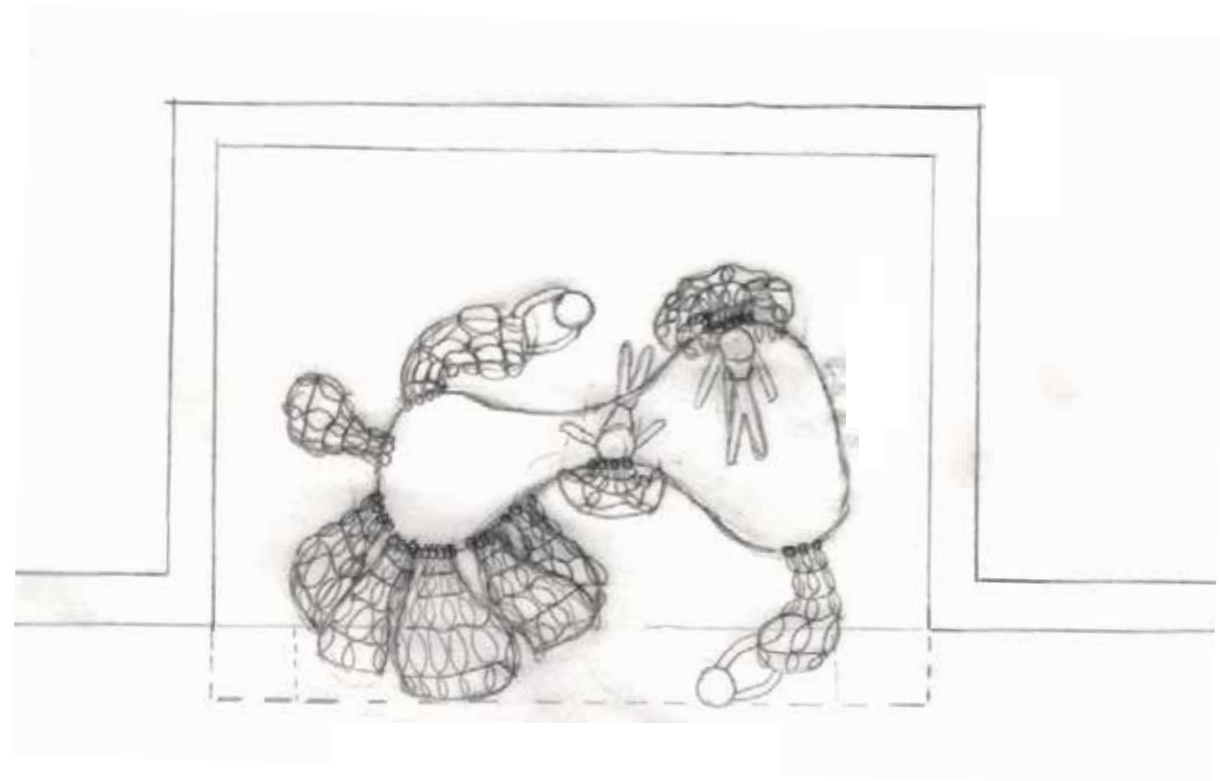
Sketch of Usage and Skeleton



Model and Material Test



Elevation



Plan

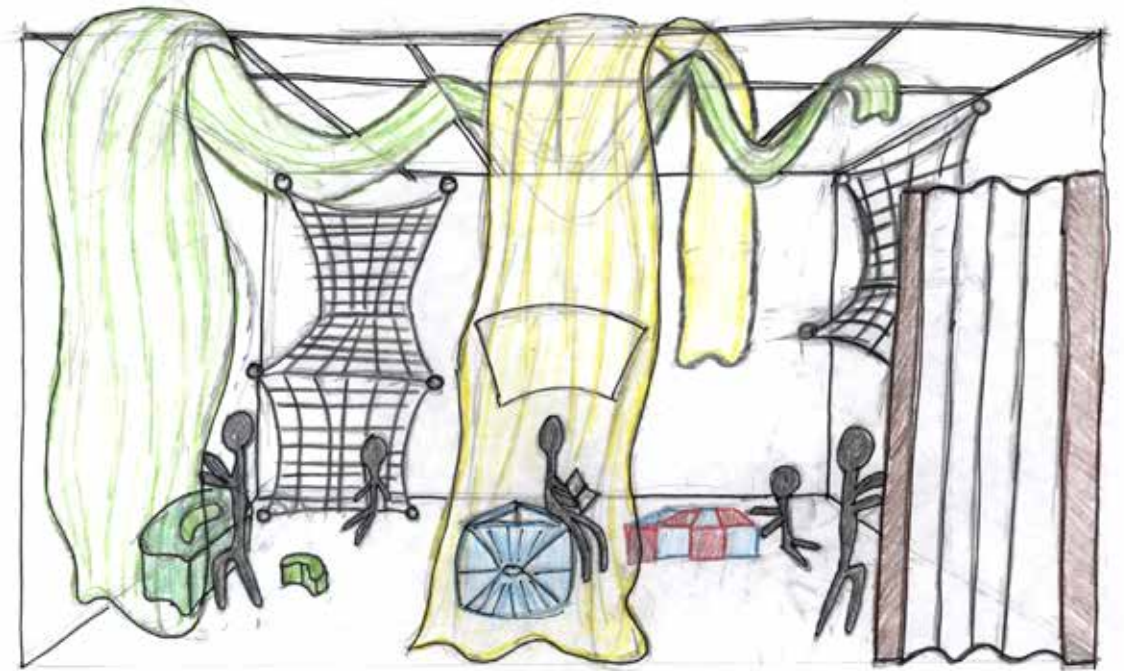


Tested Section Belly Model

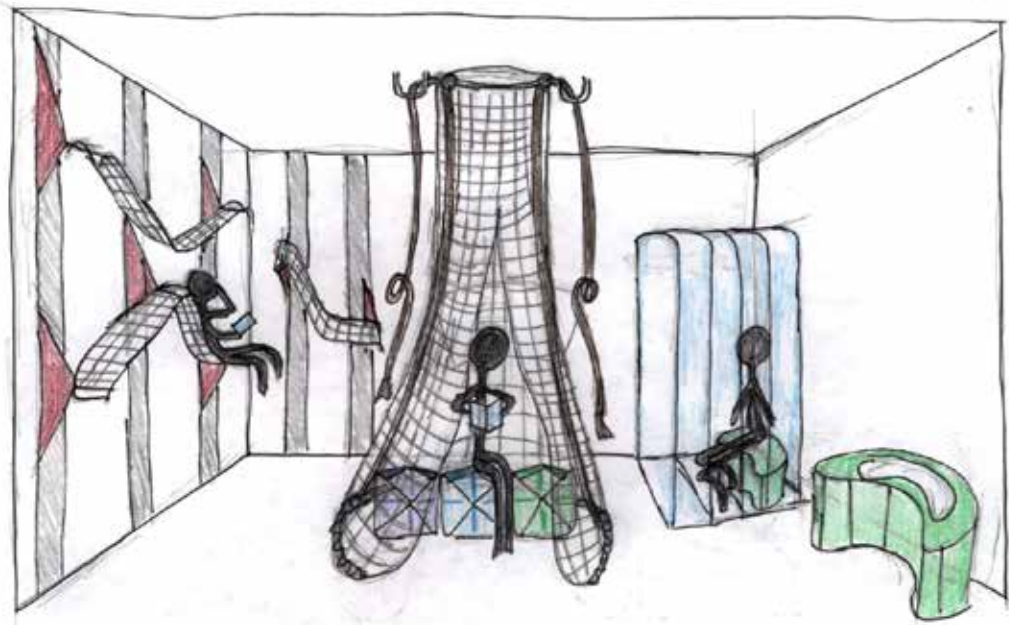


Tested Section Belly Model

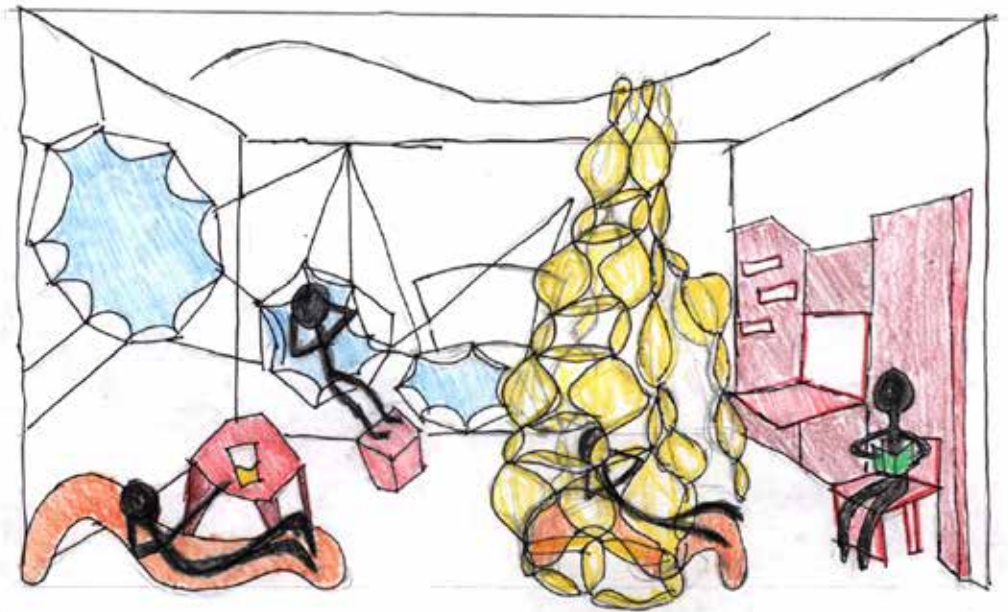
Project 3



Collective in Site



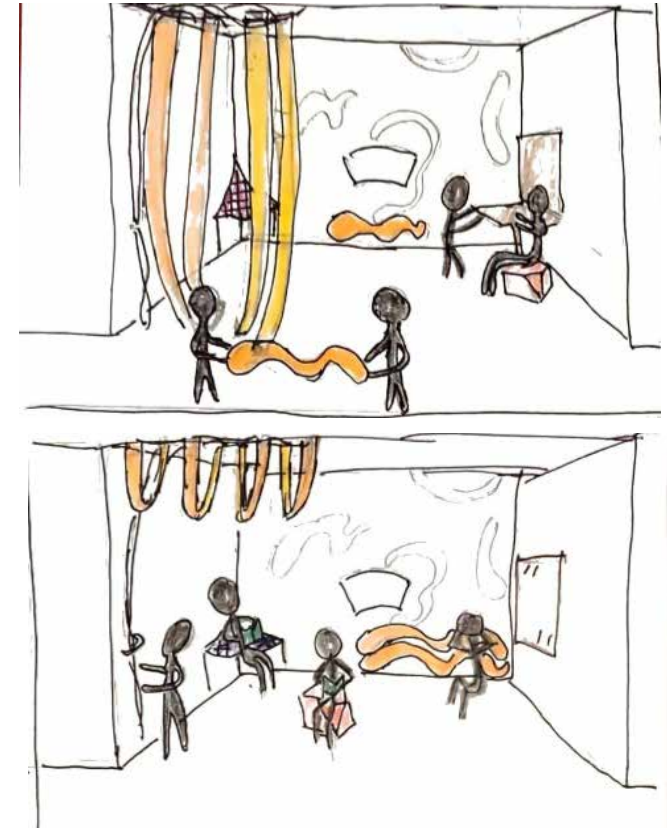
Group Site



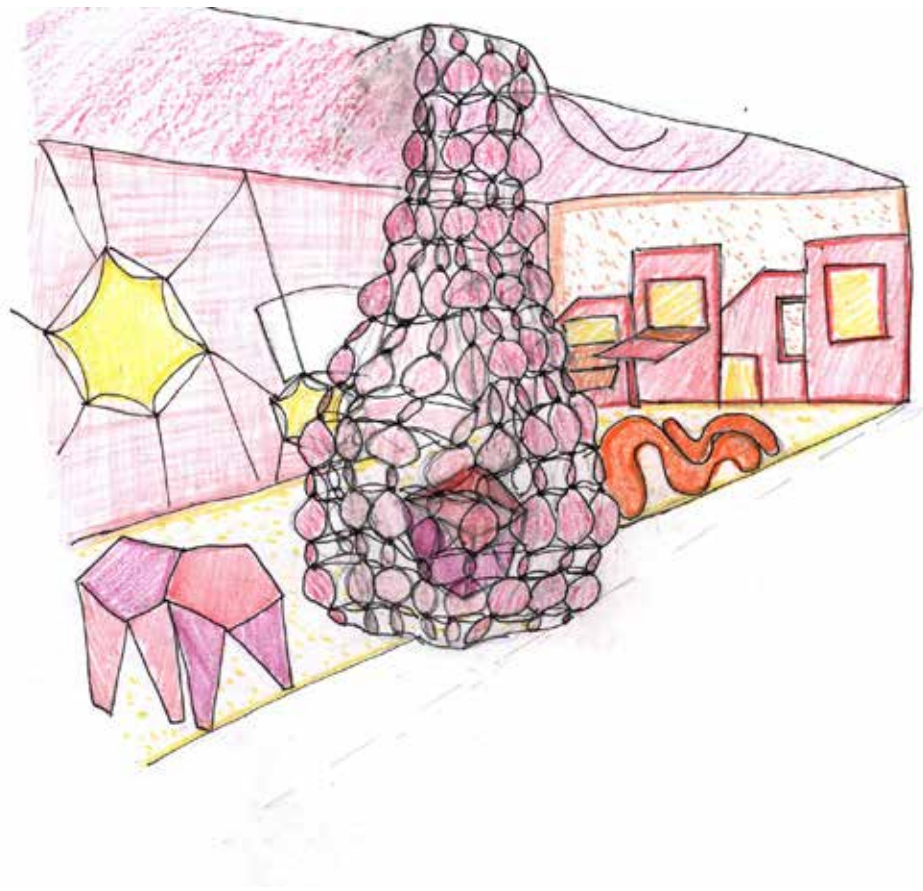
Group Site



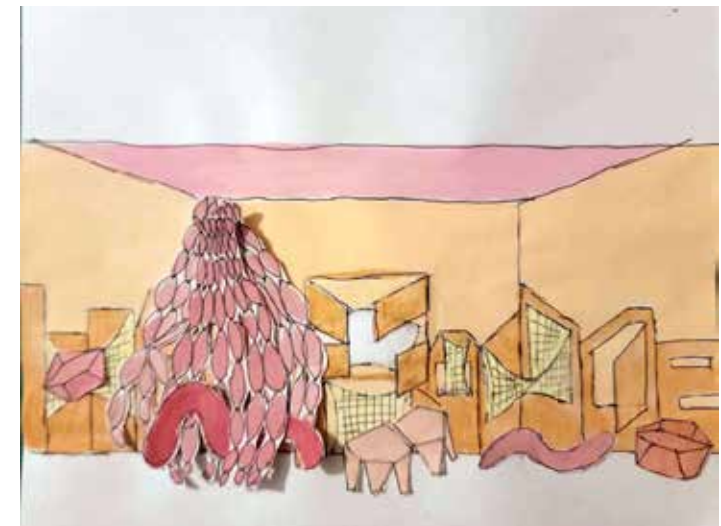
Landscape and Curtain



Landscape and Curtain



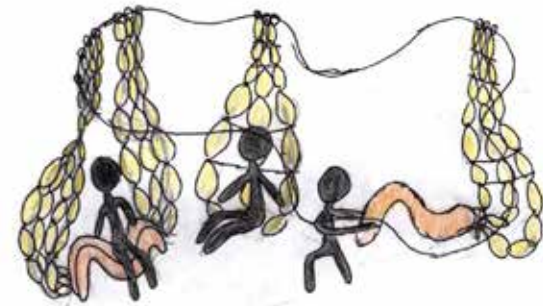
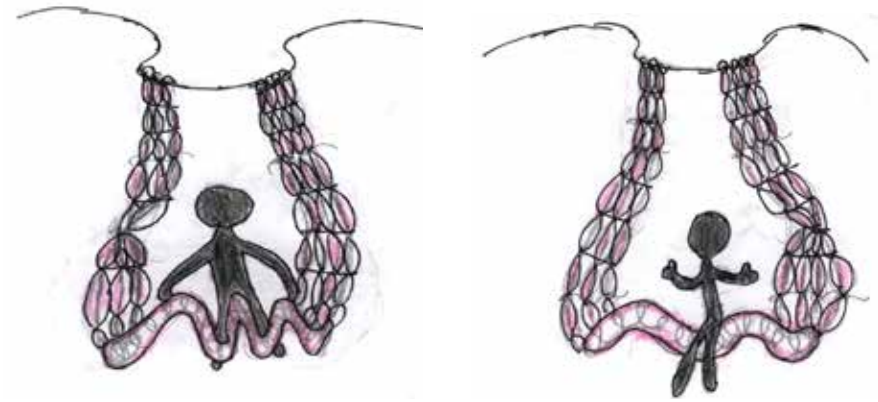
Perspective



Site Color Collage

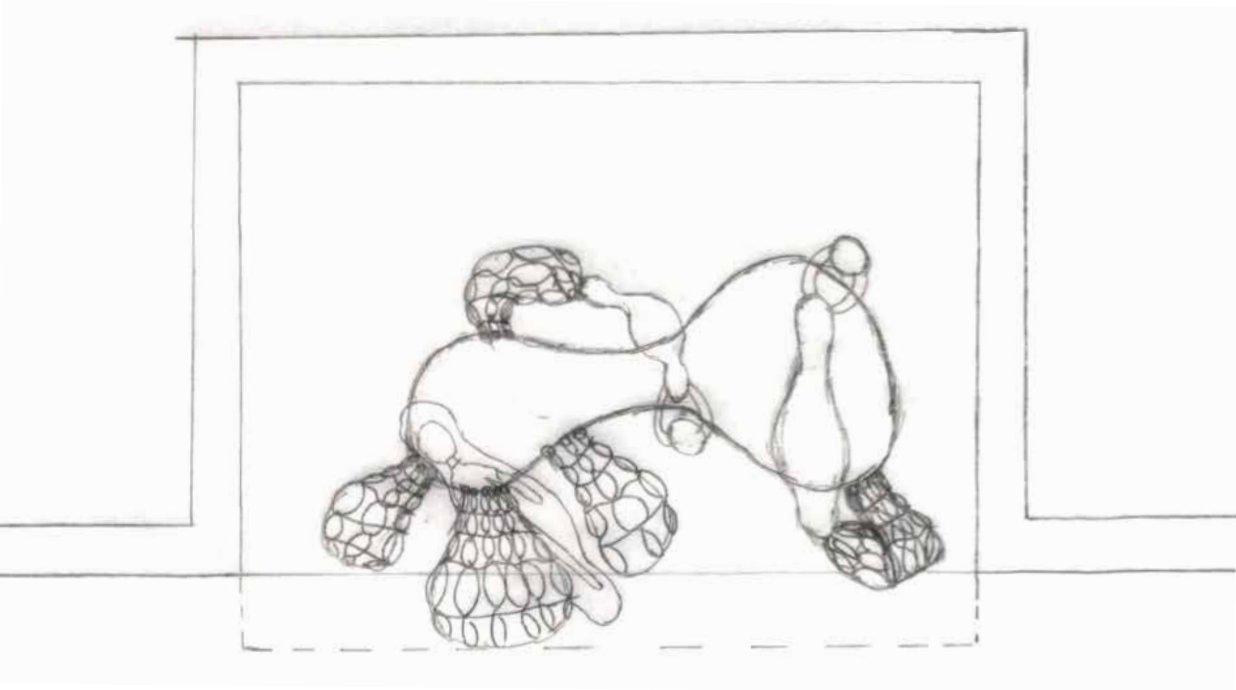


Site Model Photos

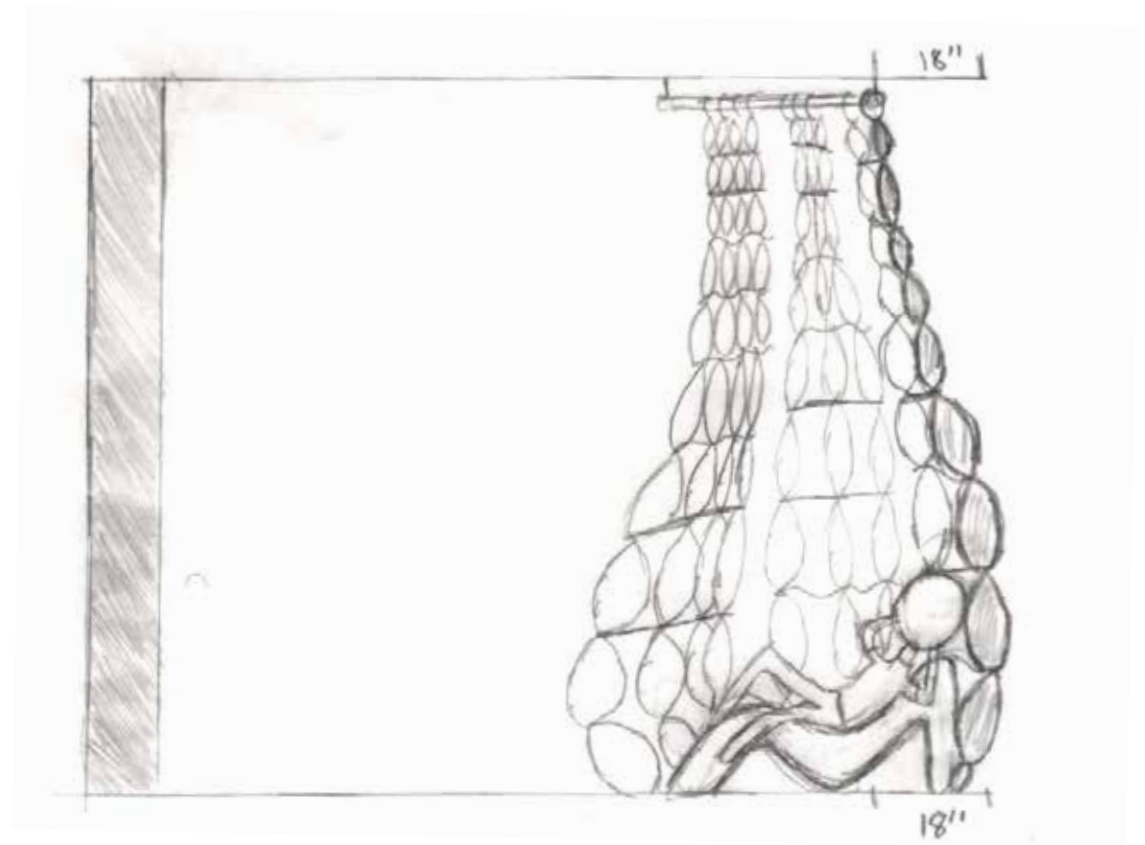


Alliance Ideas - Landscape and Curtain





Plan - Landscape and Curtain



Section - Landscape and Curtain



Model Following Railing Shape



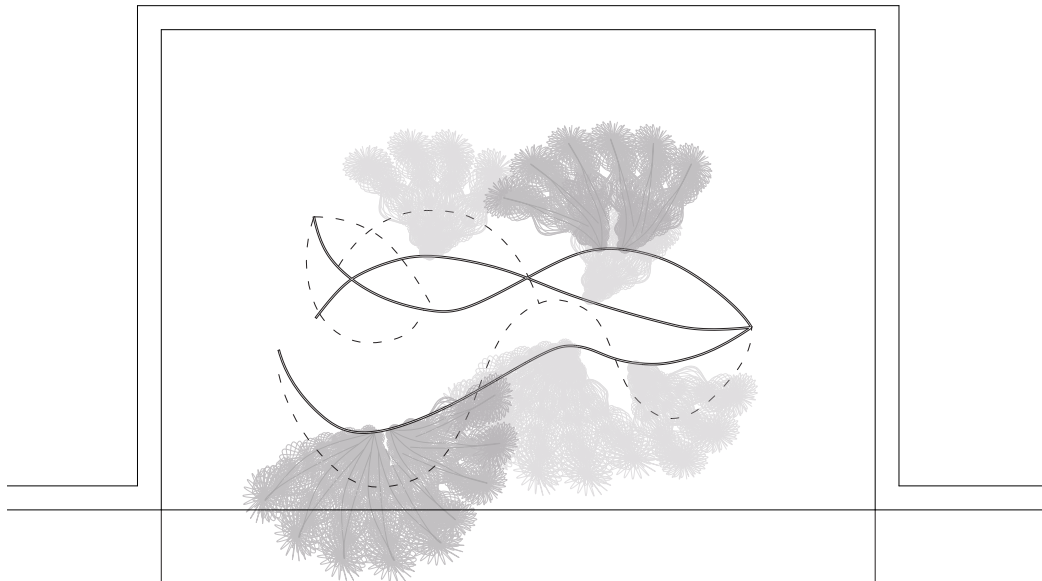
Left Side: full enclosed belly  
Right:Strip test



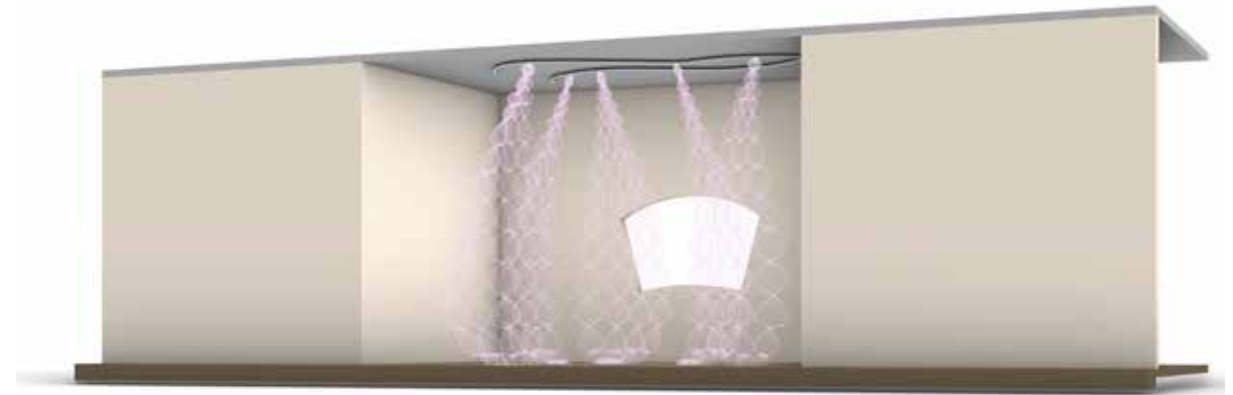
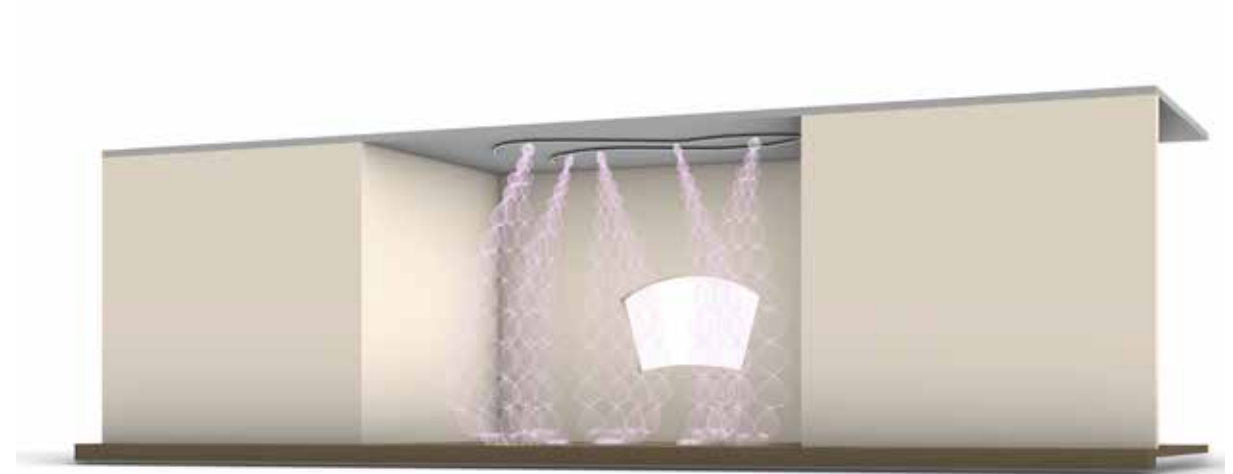
Testing Final Material and Method



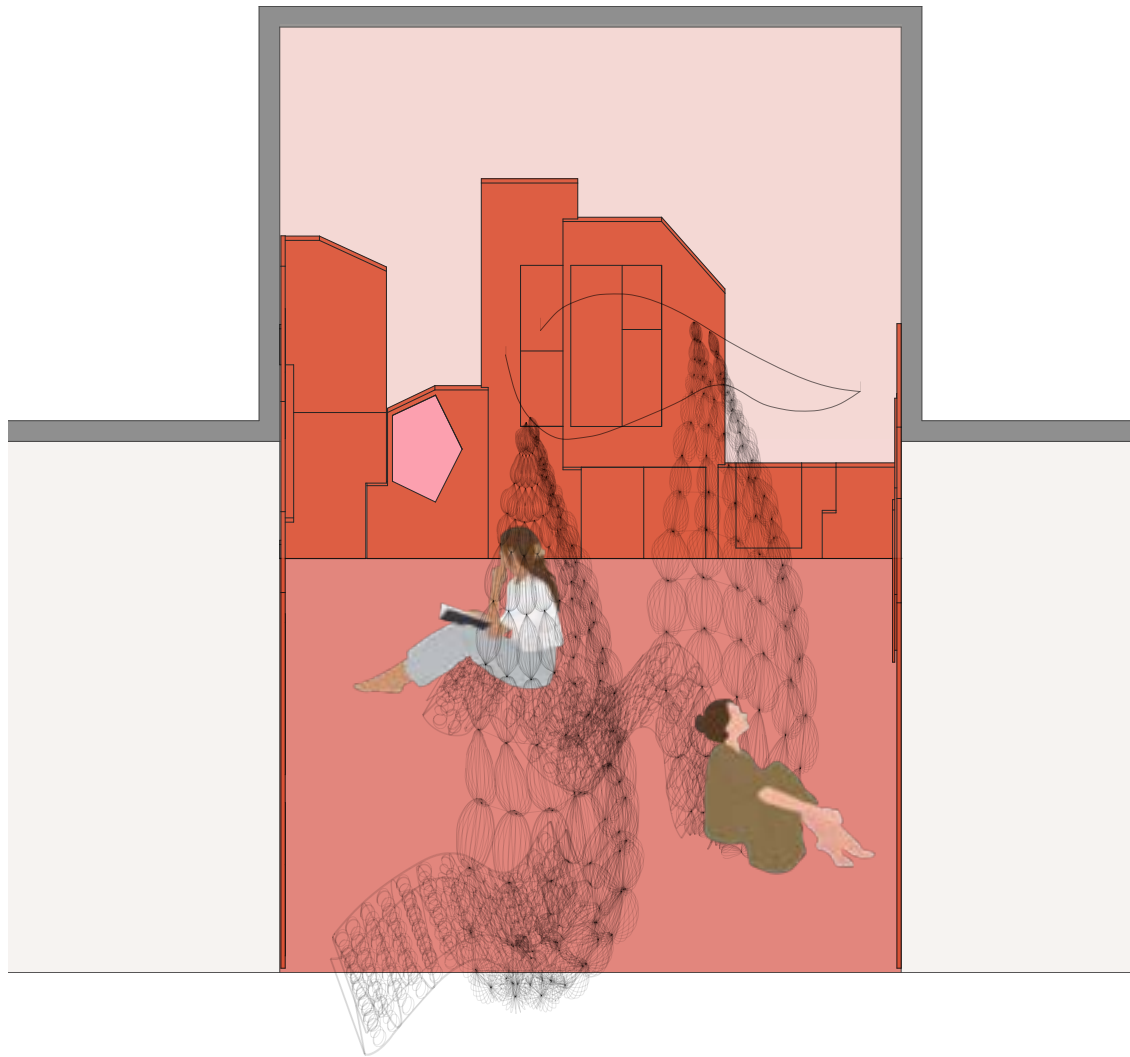
Testing Final Material and Method



Plan



Perspective renders



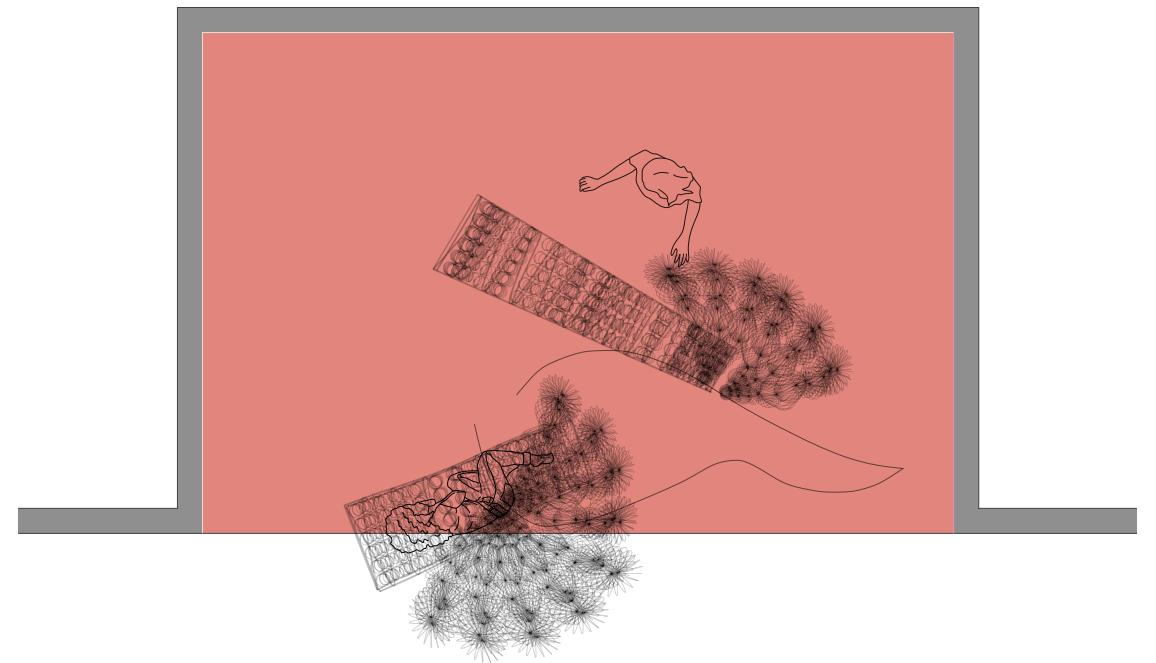
Axonometric



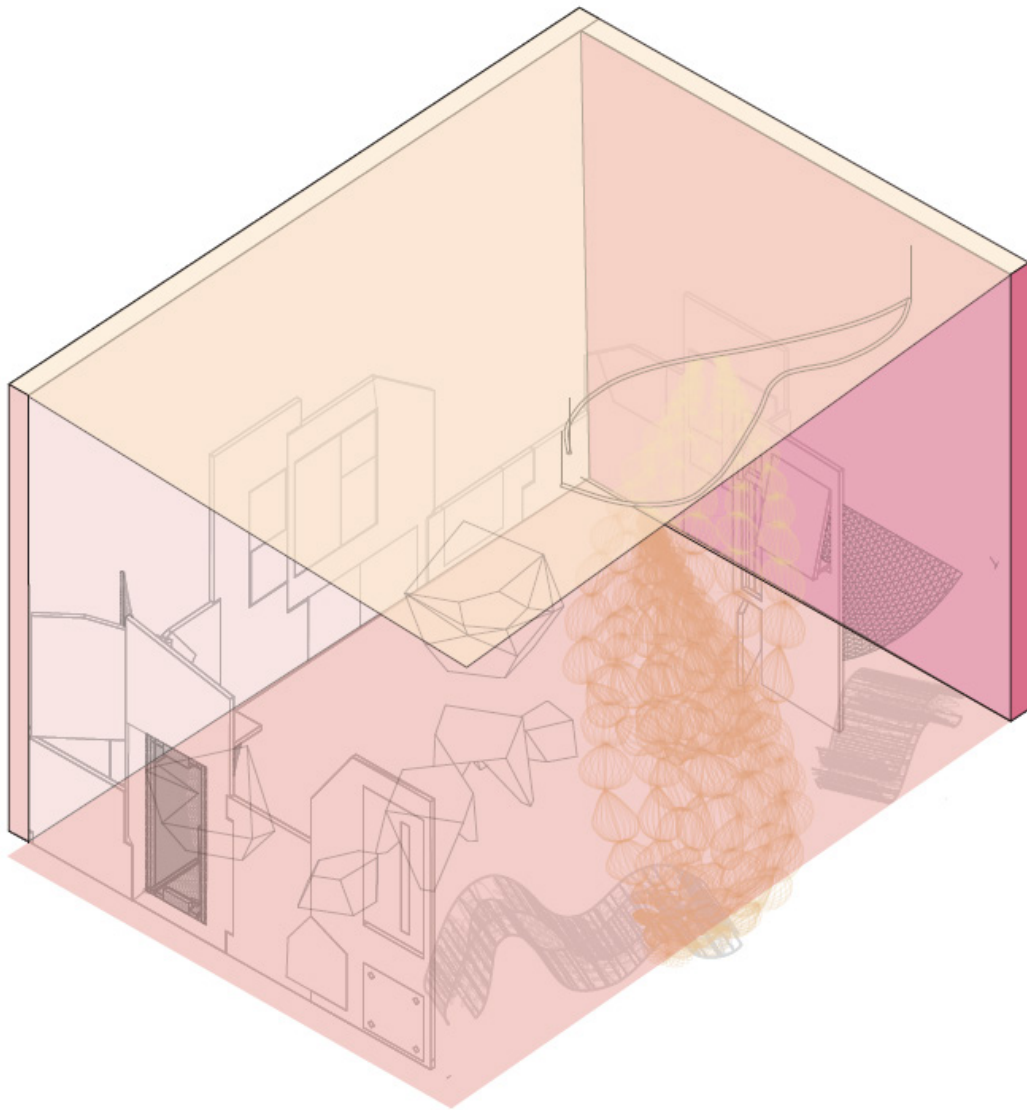
Elevation



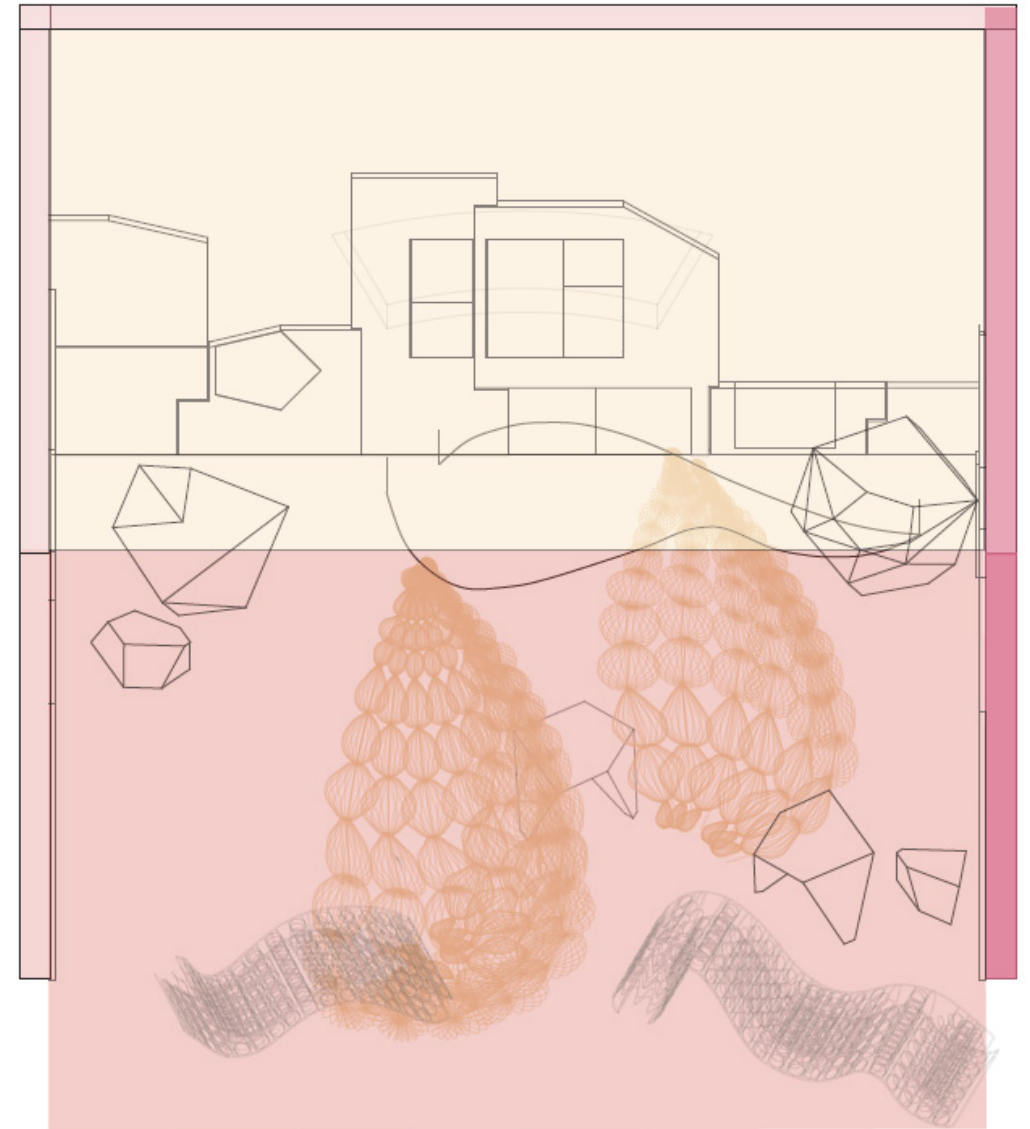
Section



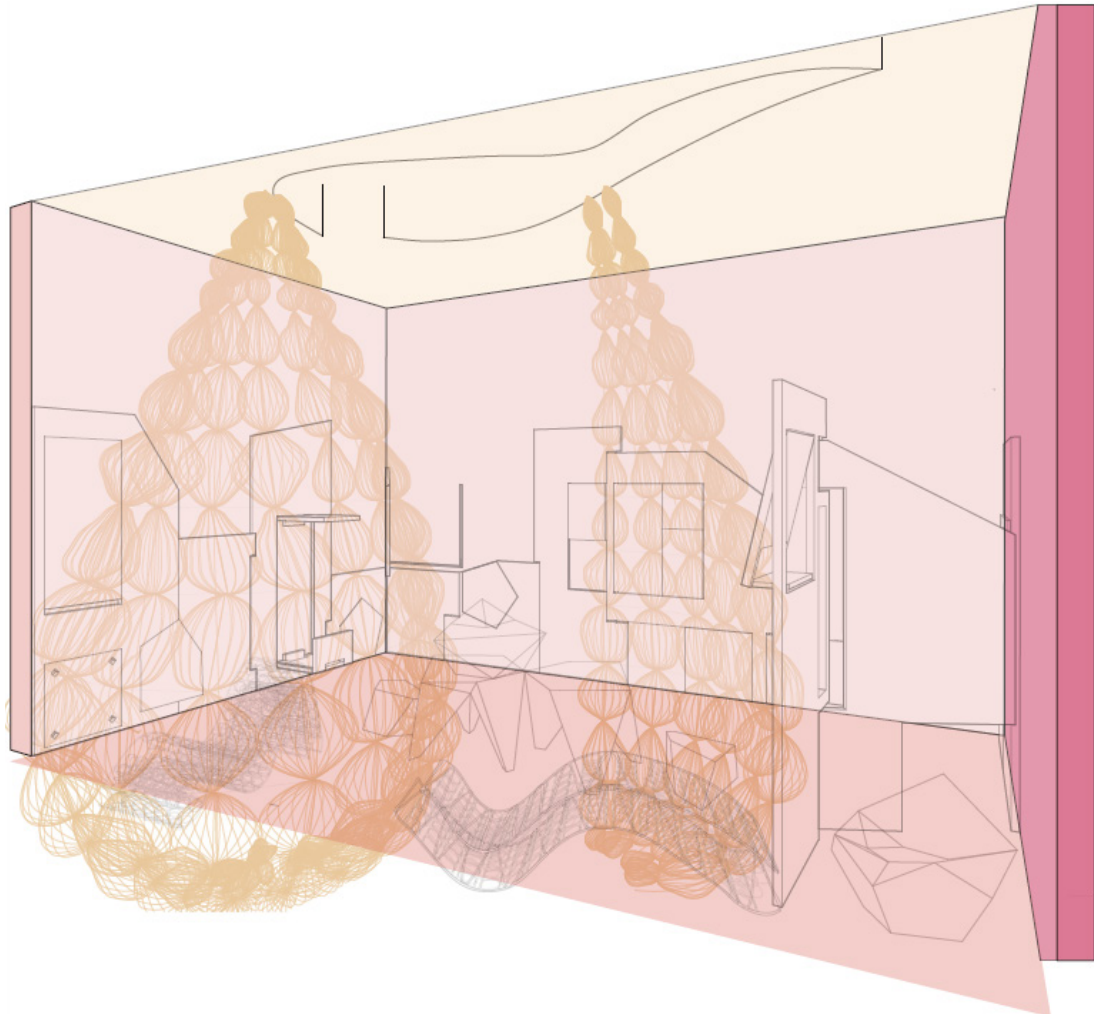
Plan



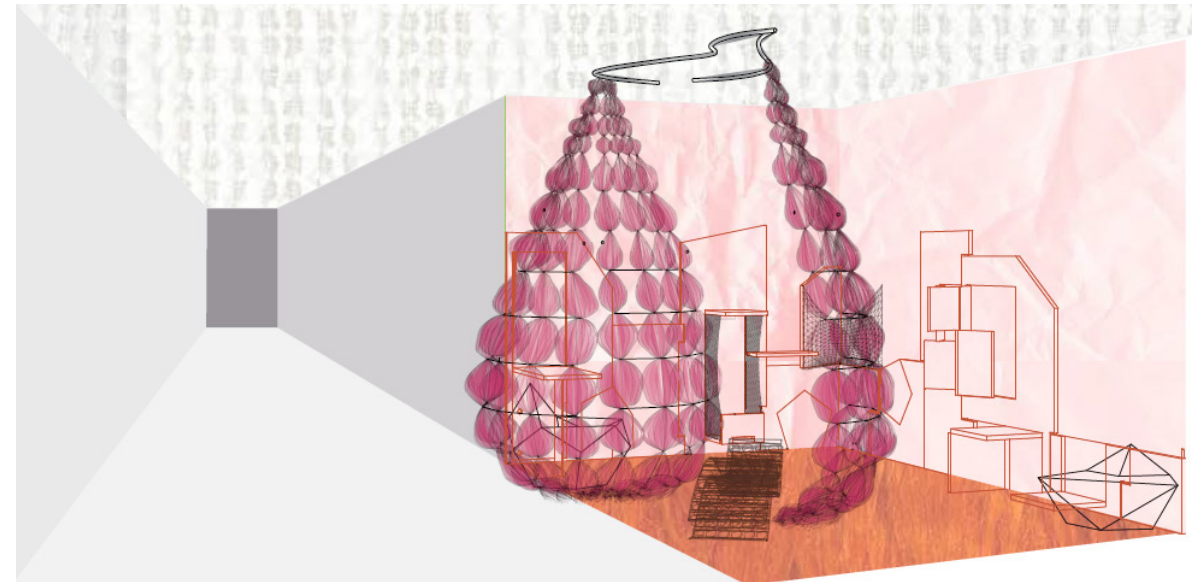
Axonometric



Axonometric



Axonometric

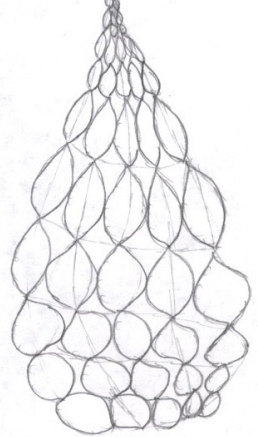


Perspective

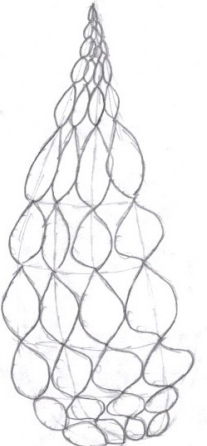


# Construction Manual

Curtains:



Curtain with 5 bubble strips.

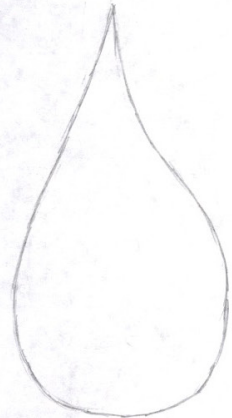


curtain with 4 bubble strips.

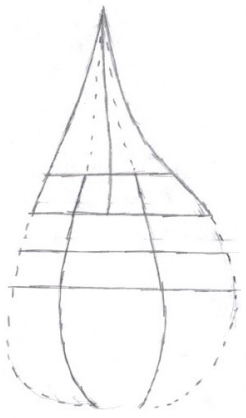


Curtain with 3 bubble strips.

Structure Details:



Drawing A



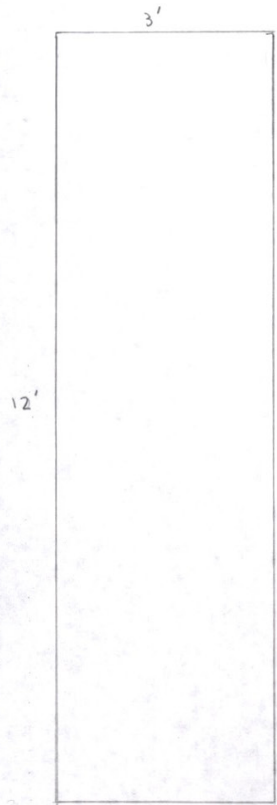
Drawing B

Drawing A:  
The overall shape of the curtains. There will be 4 curtains. 1 curtain with 5 bubble strips. 1 curtain with 4 bubble strips. 2 curtains with 3 bubble strips.

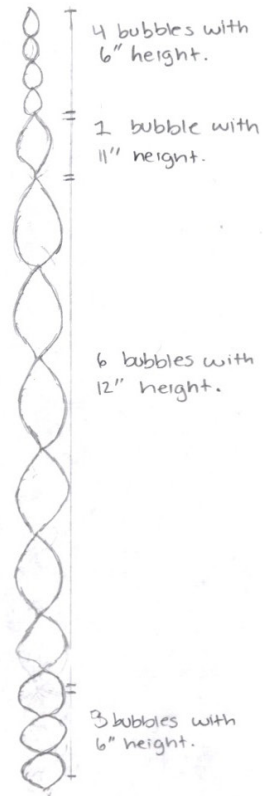
Drawing B:  
Each curtain has wire structure. The curtain of 5 bubble strips has 3 vertical wires (top to middle) and 2 vertical wires (bottom to middle). (vertical structure varies on curtain). Each curtain has 4 horizontal wires. More details to be explained.

Choosing your Curtain

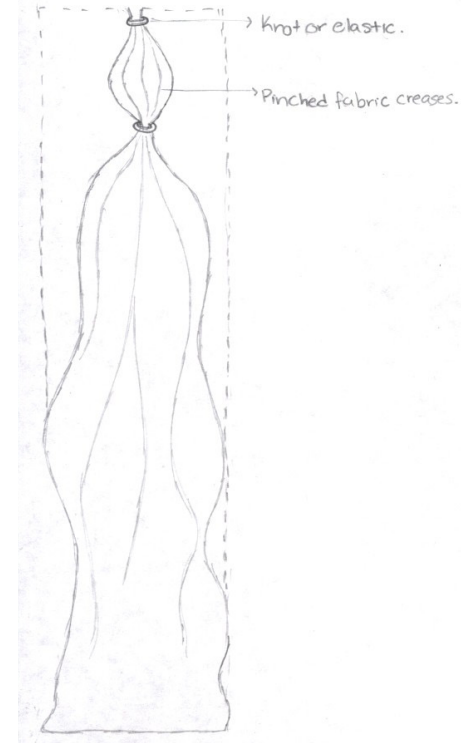
How to make a bubble strip?



Cut your fabric 3' wide and 12' long



Set up the Fabric

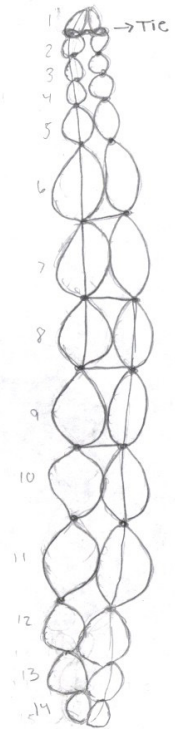


Pinch fabric together and tie the ends of the bubbles with an elastic or string.

(zoomed in detail)

Apply starch to the bubble shape to hold the shape and volume.

Creating Bubbles



With all the bubble strips created to form a designated curtain pass vertical and horizontal wire through the bubbles.

Curtain of 5: 3 vertical wires (top to middle) and 2 vertical wires (bottom to middle)

Curtain of 4: 2 vertical wires (top to middle) and 2 vertical wires (bottom to middle)

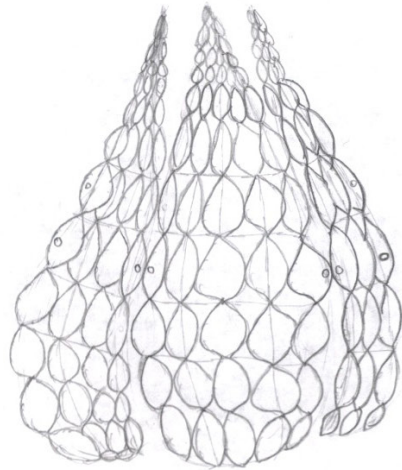
Curtain of 3: 2 vertical wires (top to middle) and 1 vertical wire (bottom to middle)

Horizontal wire for each curtain:

- o 6<sup>th</sup> and 7<sup>th</sup> bubble intersection.
- o 7<sup>th</sup> and 8<sup>th</sup> bubble intersection.
- o 8<sup>th</sup> and 9<sup>th</sup> bubble intersection.
- o 9<sup>th</sup> and 10<sup>th</sup> bubble intersection.

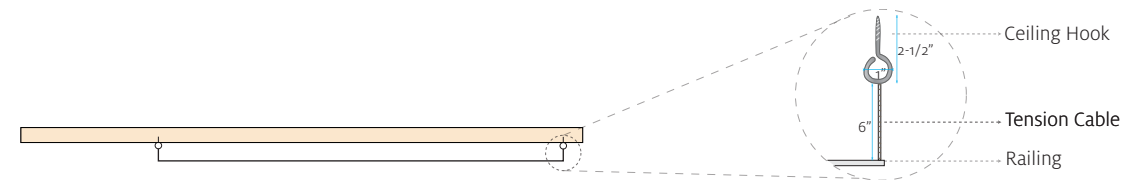
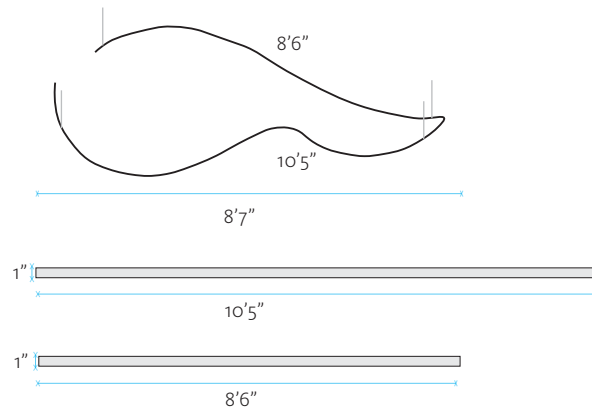
Disconnect and connect with a magnet:

Once you have your curtains, glue on one magnet on both of the edge bubble strips of the curtains on the 8<sup>th</sup> bubble. Make sure the magnet is glued on the center and aligns with each of the curtains. With the magnets you will be able to connect all of the curtains to create a belly room or disconnect them to have belly walls.



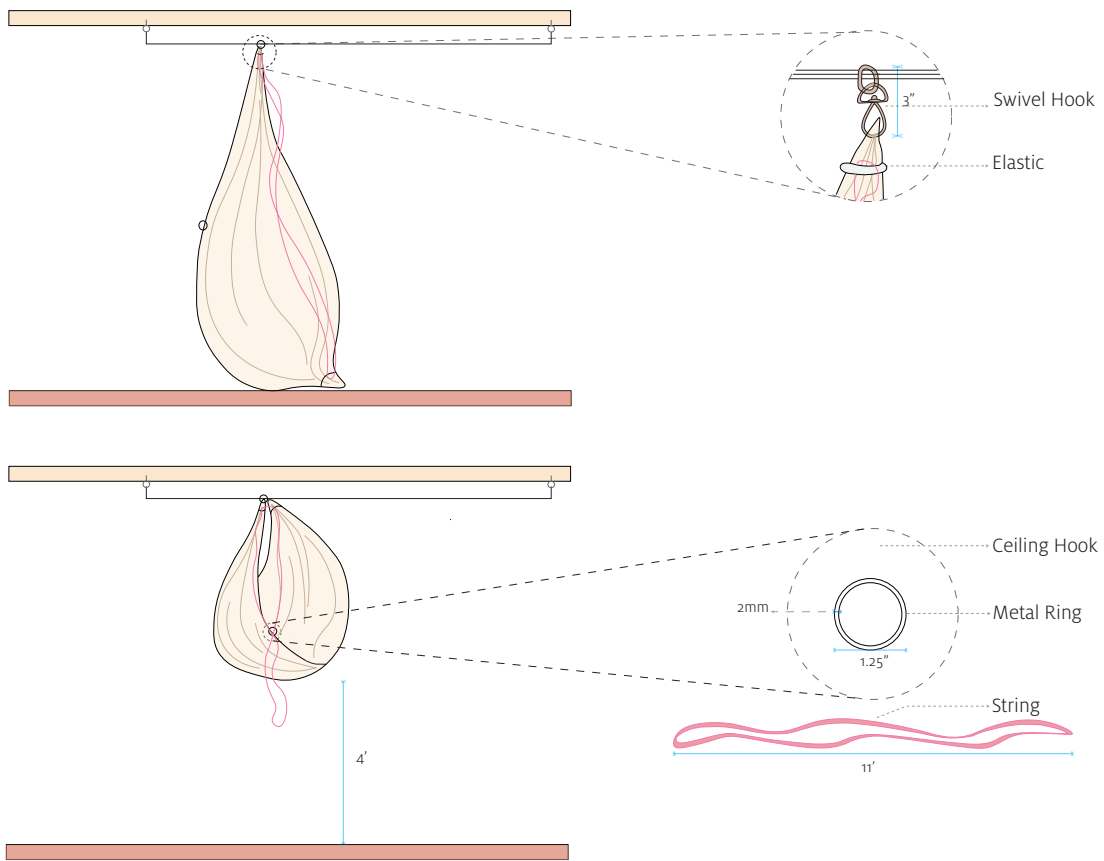
Connecting the Curtains

Railing Dimensions:



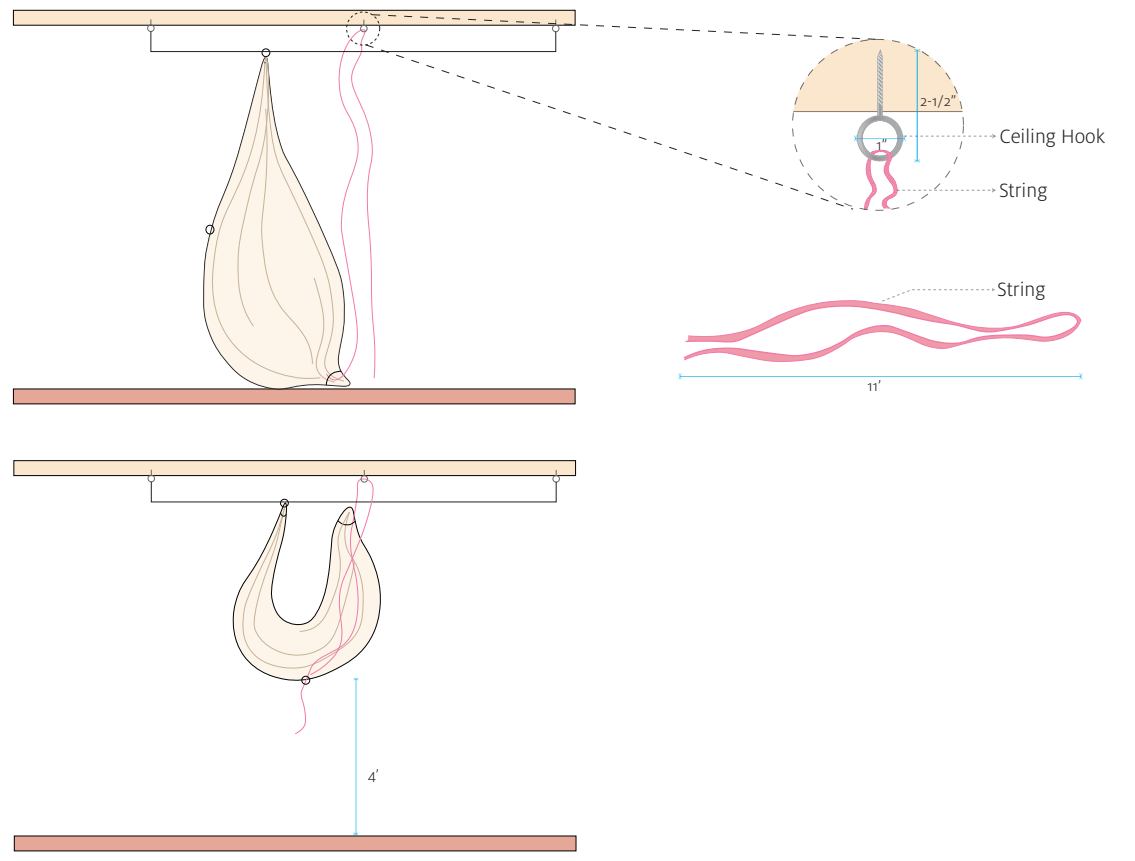
Railing Properties

Pull Up System 1:



Pull up system 1

Pull Up System 2:



Pull up system 2



Final Model in Site



Final Model in Site



Final Model in Site



Final Model in Site