



My Fibonacci Inspired Hat Creation



Front View



Side View



Back View



Inside View



Top View (Fibonacci spiral)



Back Inside View

Me Wearing My Hat



Front View



Side View



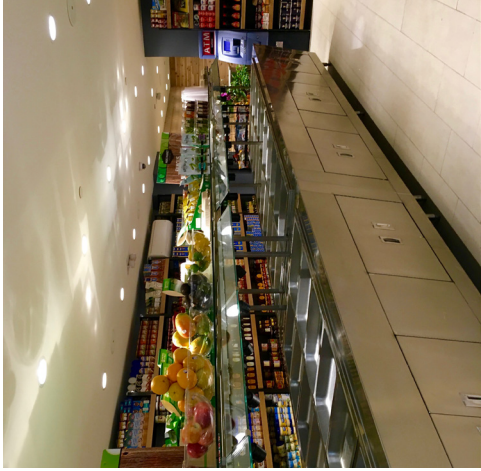
Back View



Side View



The Location Where I Found My Container



The Story of the Life Behind the Found Container

I found the container made of white paper/cardboard in a small store called Merci Market. Even though I found the container in a store instead of a trashcan or the street, the used purpose or 'life' behind the container is endless. It could have been another carton or even a school paper used and then recycled, and manufactured for another use, i.e. an orange juice carton. It could have had a totally different purpose than I have used it (drinking juice), like being the sketch paper for an art student where they ended up not liking the drawing so they threw it away, it could have been a part of a larger milk carton sold at a different supermarket, or it could have been the starting life, which means it has not been recycled yet, of this carton and what I will do with it (recycle, planting) will start its life journey.



Soil Collections

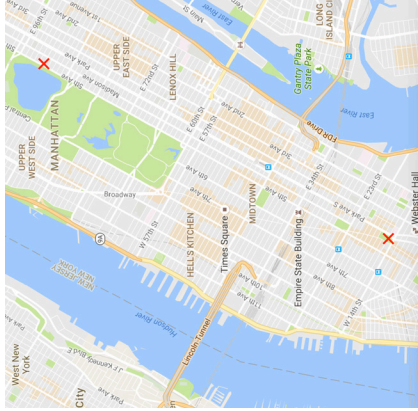


Union Square Park



Guggenheim Museum

Map



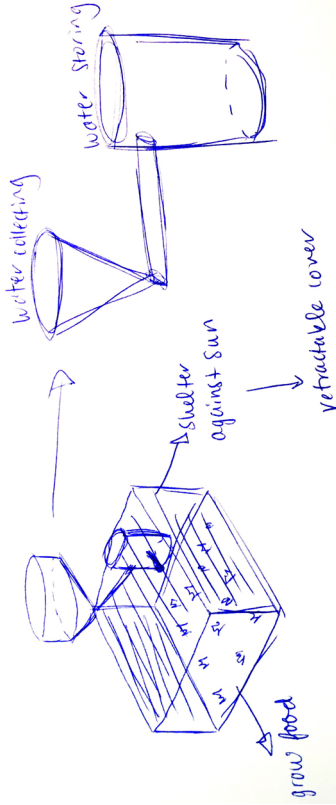
Map locations of both soil extracts, Union Square Park (lower X) and Guggenheim Museum (upper X).

Plant



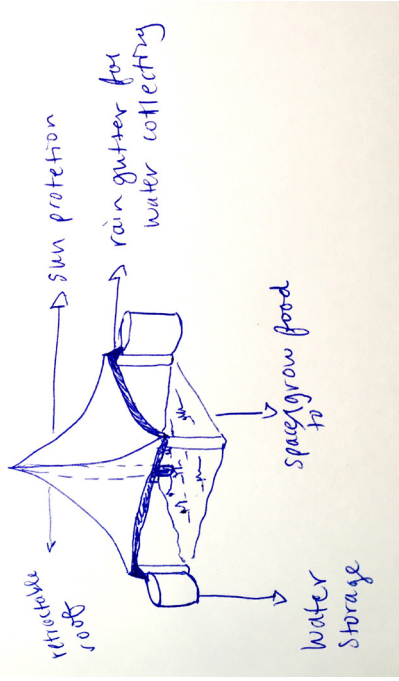
Seeds planted in the soil I got from the Guggenheim location, in the container I found, placed in an area with sun exposure.

Shelter Structure for Agricultural Purposes: Sketch #1



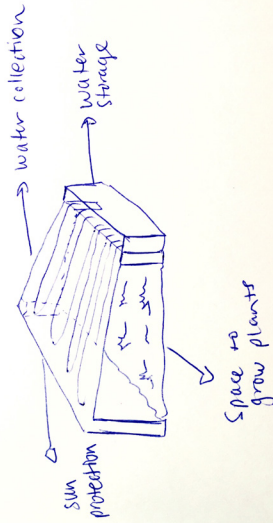
This shelter structure is for an open square space in New York. It has space for growing crops, and a retractable sun shelter roof on top. It also has one short but wide cylinder for water collection, that connects to a larger cylinder for water storage, that then connects to the garden.

Sketch #2



This is another shelter that contains all the same required elements in a different way. The main difference is that it is in the shape of a tepee, which allows any rainwater to easily drop down to the rain gutters at the ends of the bottom edges. The rain gutters are connected to two large cylinder water storage containers. The tepee is able to open and close, to the long rod in the middle of the garden. The tepee provides great sun protection and space for gardening.

Sketch #3



The last shelter structure I sketched is a square or rectangle (available for the type of open space in New York) space for gardening. It has a roof held up by four pillars, that protects the crops from the sun. This structure is slightly slanted so any rainwater that falls onto the roof, would naturally fall to one side, making the sun protector roof also a water collector. That one side the rainwater drops to, falls into the large rectangle container used as a water storage, that can easily be used for the crops inside. This structure has all the elements required but in a space efficient manner. Plus it provides a great and large space for growing crops.

Eazy, Breezy, Beautiful Cover Shelter - Final Product

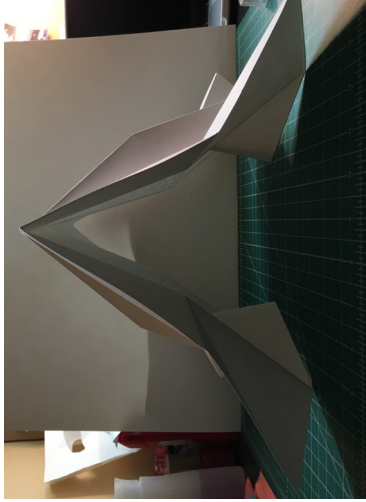


Eazy, Breezy, Beautiful Cover Shelter - Final Product

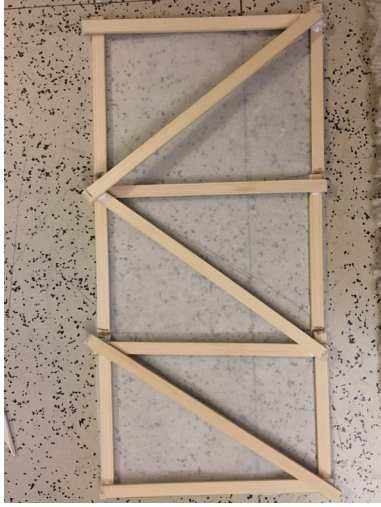


MATERIAL

Shelter Prototype - Facetted Object



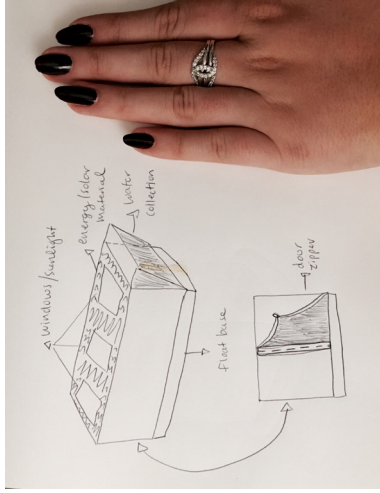
Shelter Prototype - Rice Paper and Bamboo Sticks



The next step for the shelter was to make it out of rice paper, bamboo sticks, string and glue. This is one section of my previous shelter model, of what the facets looked like with the assigned materials. The photo on the right has the string that would potentially hold all the sticks securely in place, and then glued to the paper.

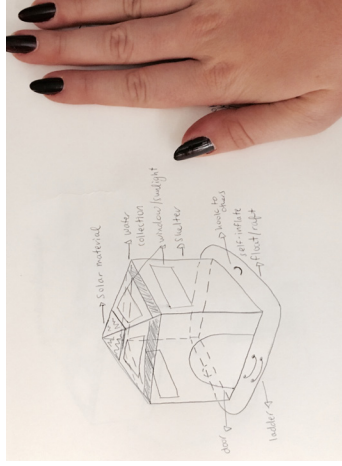
Extreme Flood and Rain One-person Shelter Idea #1

This shelter is designed for an area with an extreme case of flooding and heavy rain. It has a float base that will keep the whole structure above water, in extreme floods. It has three windows on the roof for sunlight exposure and visibility. In-between the three windows, will be a material that would be used as a solar panel to generate energy for the survivor. It has an easy accessible door in the front. And lastly, it has an open like container on the other end of the shelter for water collection so that that person would be able to get clean water to survive.



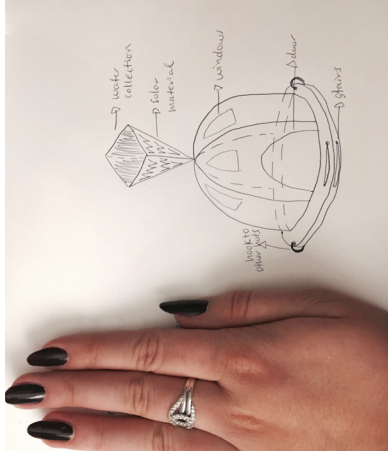
Extreme Flood and Rain One-person Shelter Idea #2

This second shelter is also designed to withstand the extreme cases of floods and heavy rain. It is built for one person only, but can be attached to multiple other complex's but hooking up the shelters to the hook on the sides of the float. It has a ladder in front of the door that will allow the person to get inside or out without trouble. It does include visibility in the roof and on the sides of the shelter, but also contains solar panel material at the tip, to generate energy. With heavy rain, the person inside will be able to access clean rain water when it pours over the pyramid rooftop, and falls into the capsules, known as "rain gutters", on the edges of the pyramid roof. It could be easily assembled and disassembled with the self-inflating base float that holds the shelter above water.



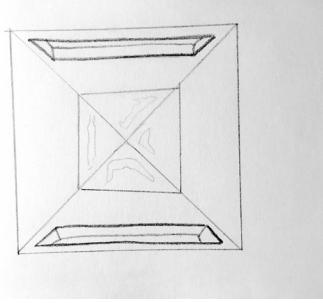
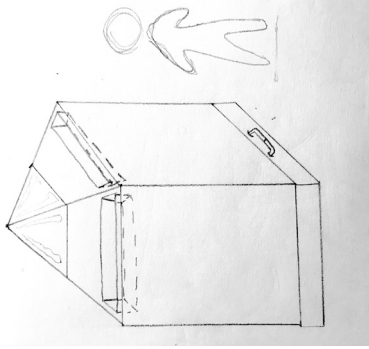
Extreme Flood and Rain One-person Shelter Idea #3

This last shelter design is also made to stand the harsh conditions of rain and floods. It contains an umbrella like top that is used as water collection. The sides of the water collector have solar panels flexible material that will produce energy but also has the ability to be dissembled and assembled easily. It has windows for visibility and for sunlight for food production, ladder for entering quickly, hooks on the sides to combine with larger complexes and a door. This shelter also has a base that self-inflates, so that the structure would be able to float on top of water.



Two Drawings of my Revised Extreme Climate (Flood) Shelter Structure

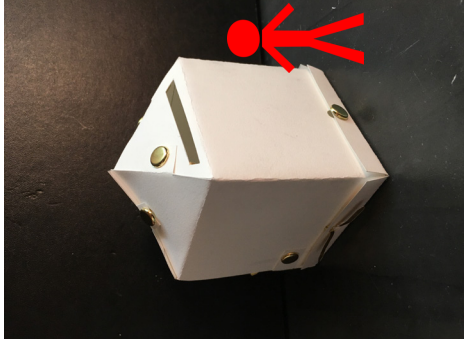
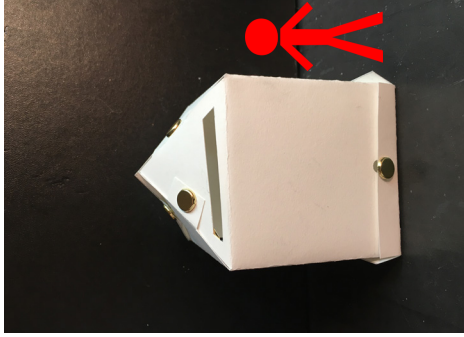
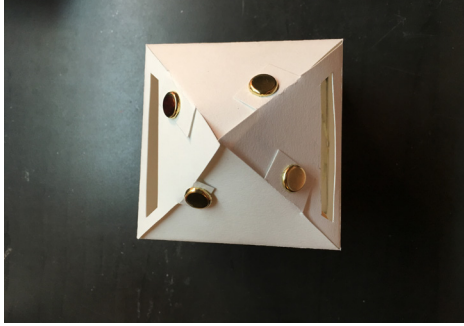
I chose this final structure to create a model out of Bristol board because it was the most simplistic yet effective structure. It had all the elements, water collection is the two panels in the roof that are indents that capture the rainwater running down the sides of the roof, but not too many collectors since it rains a lot in Uttar Pradesh.



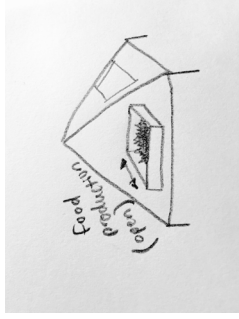
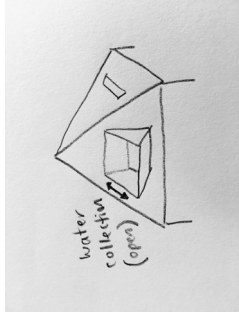
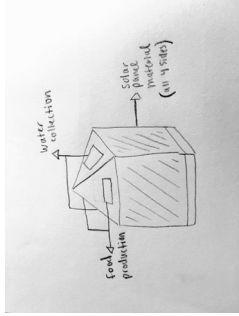
Top view

This shelter also has a material on the tips of the roof triangles that will be a material that absorbs and reflects sun to generate energy production. It is made for one person, but has a lever on the bottom that can click onto other shelters like these. The bottom base is an inflatable raft like material, that is durable and floats the entire shelter above water. Inside is enough space for food production and a safe shelter for the person.

Bristol Board and Brads Shelter Model

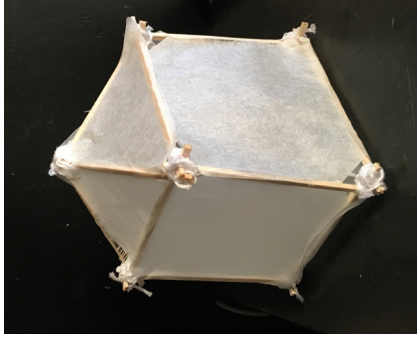
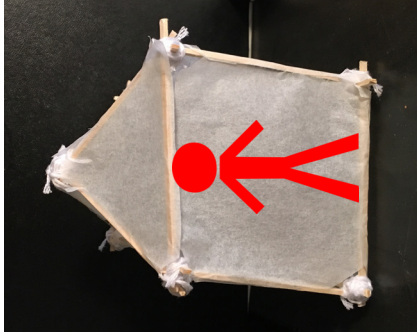
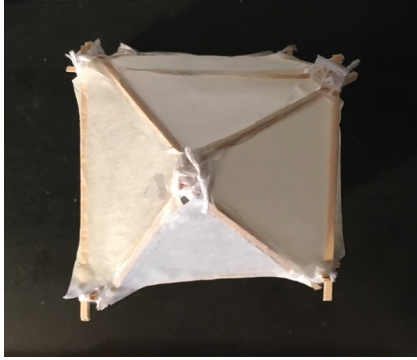


Life Size Preserver



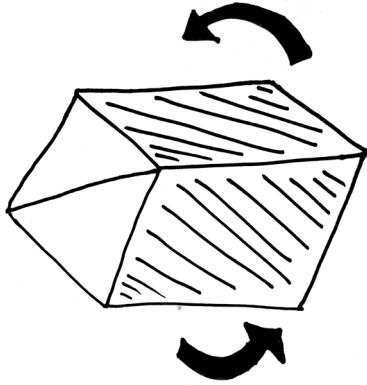
This structure has all the elements needed for one person in need of a shelter in an extreme rain and flood situation. The base of the shelter is inflatable and will float the whole shelter above water, so when a flood happens it is easily adaptive to the situation. It has two compartments to collect water in the roof. Two of the triangular shaped sides of the roof, have containers that are able to open and close to capture rainfall water, that would provide clean drinking water to the person. The other two sides of the roof are for food production. Those two drawers are for growing food and slicing it out to grow and slide back in to harvest. For energy production, this shelter has four sided wall that's material is made out of thin solar panel material used for energy production.

Life Size Preserver - Stick and Paper Model





Renewable Energy Attribute: Solar Panels



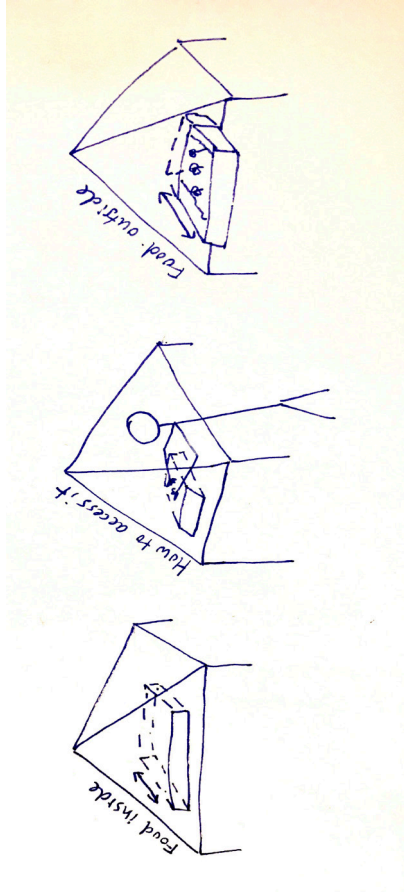
This extreme flood shelter has an energy attribute: solar panels. All four sides of the shelter will have a thin, flexible, durable material that is able to conduct energy from the sun, acting like a solar panel.

This material will be distributed on all four sides, therefore when the shelter moves around the water, and when the sun moves during the day, the shelter is able to catch the sun anywhere and anytime.

The solar panels will produce energy for the lights inside the shelter.



Food Production System



Food Production System

This shelter structure, for one person, is made for extreme flood conditions. The process of food production in the shelter is simple yet effective. The person would have to stand to attend to the 'little garden'. It would be a drawer type system where when the person wants to plant the food they would pull the drawer in and fix it up. When it's time to grow the food, the person pushes the drawer out, absorbing the sun or collecting the rainwater.

The food drawer would be mostly pushed out, except when it has been raining for a long time, where then the person would easily pull the drawer back in so the crops and soil does not die.

It could be a part of energy mitigation although the structure already has solar panel material that collects and stores energy for the survivor.