
Human Nest

LilyPod

Caroline Pile

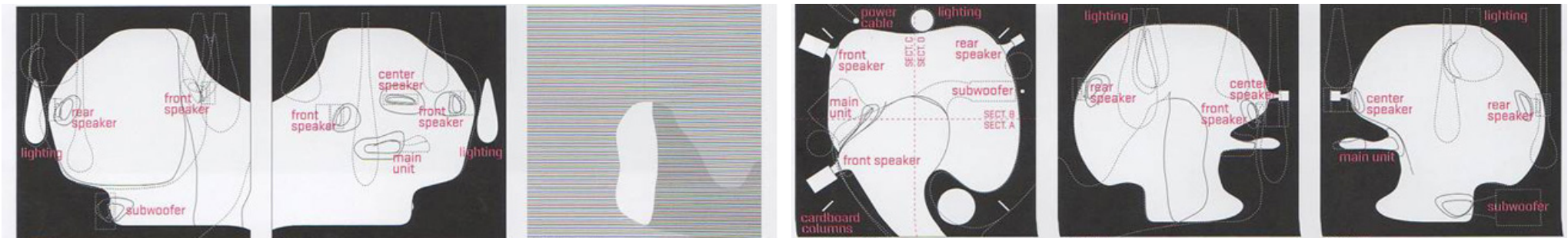
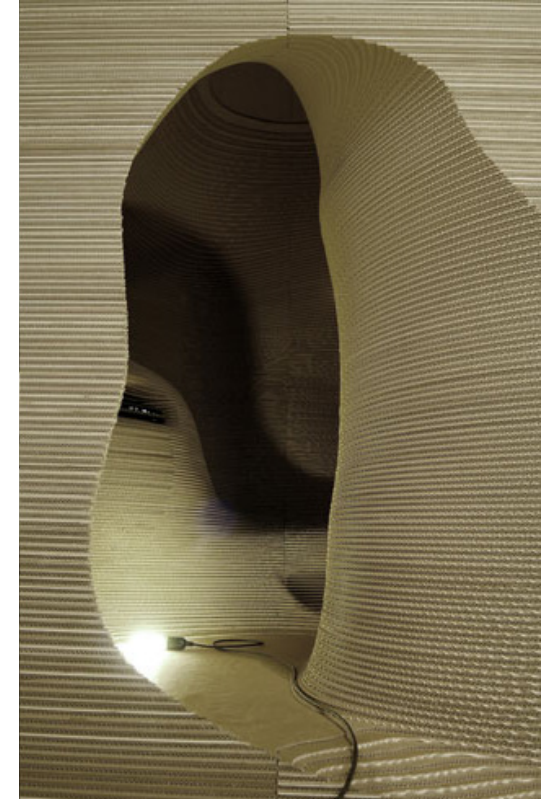
Mafoombey:

A space for listening to and experiencing music

It is a small space made for listening and experiencing music. It was produced by Martti Kalliala, Esa Ruskeepää and Martin Lukasczyk in 2005. It was the winning entry in a design contest arranged by the University of Art & Design in Helsinki.

It's made 360 sheets of corrugated cardboard. All the sheets were cut one by one on a computer controlled cutter. The structure sits under its own dead weight without any fixings. As a result it's relatively easy to transport and quick to construct.

The space includes a sitting area for two to three people and a DVD player to play music.

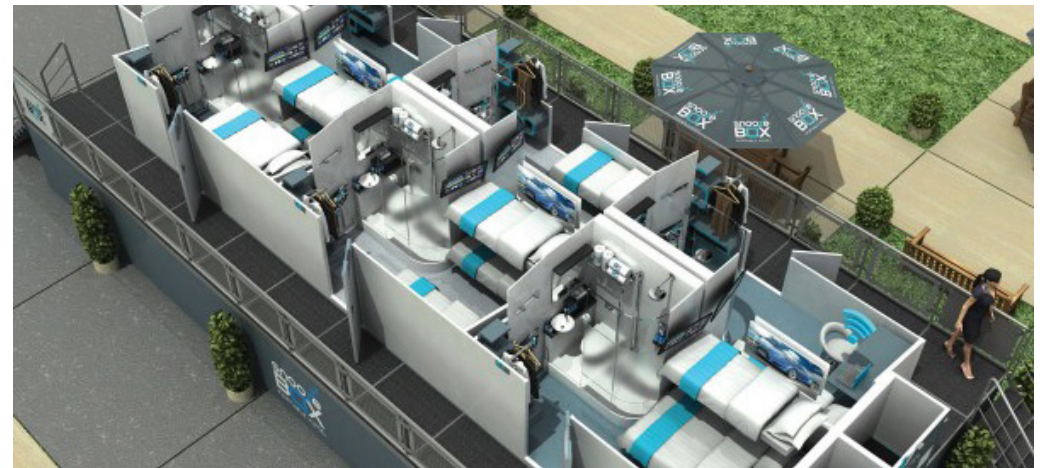


Snooze box

The Snooze Box is an upgrade from a tent but isn't as good as a hotel. It's a portable space that allows accommodation at major events. At the moment there are snooze boxes set up in Cardiff, Edinburgh airport, Eden project and at the Silverstone Race track.

Depending on which Snooze box you choose will depend on what they are made out of. For example the snooze boxes in the Eden project are made out of old shipping containers.

Tangerine was set the task to design the Snooze boxes by the design Council. The Snooze Box was founded by leisure entrepreneur Robert Breare in 2011.



NESTREST

An over-sized bird's nest offering you a secluded, suspended sanctuary and unusual meeting place: it's the perfect place for relaxation, meditation and open-air conversations.

NESTREST is made of an especially strong DEDON fiber (4 cm wide), guaranteeing a sturdy and solid weave with excellent properties: it shelters those within, allowing them to look out while preventing outsiders from seeing in – a perfect feeling of security.

Creators of the NESTREST, an innovative new hanging pod woven from supersize strands of DEDON Fiber, Daniel Pouzet and Fred Frety are two of Paris's most intriguing design talents. Close collaborators of Jean-Marie Massaud, with whom they have forged new ways of working and approaching design.



Le jardin des Hespérides

Andy Cao's garden draws on the sounds, scents, and materials of Vietnam, his country of origin, while in its own way evoking the riverine landscape of the St. Lawrence.

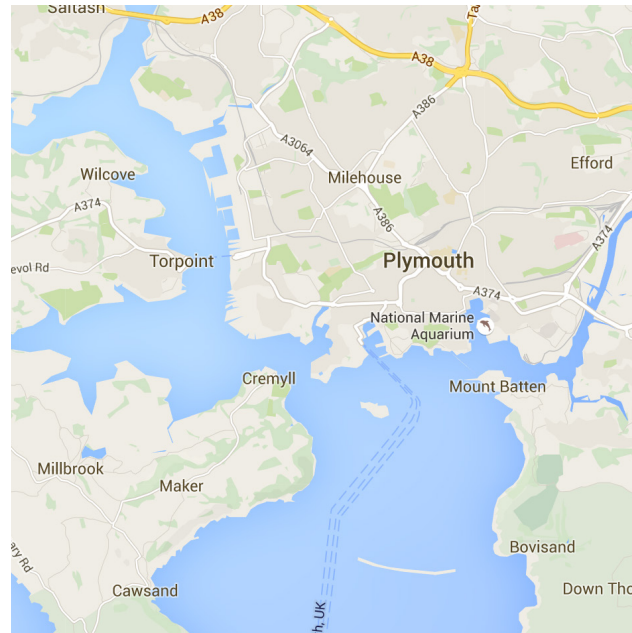
Paths of stark white exotic seashells wind through a carpet of locally collected dark green algae. Tall, wispy vetiver grasses dotted with wild irises create a delicate counterpoint to the algae. As one walks through the garden, the living floor occasionally peels off the ground revealing the roots of the aromatic vetiver and the iris. In the centre of the garden a red silk lantern looms oversized but weightless in a reflecting pond out of which an orange grove mysteriously rises. The lantern, fabricated according to traditional construction techniques and sewn by villagers in Vietnam.

Upon entering the lantern, visitors discover a unique fragrance, developed especially for this garden, that conjures up memories of walks on the beach, the smell of the ocean, the zest of seaweed crushed underfoot, and for Cao, the timeless images of incense clouds in a temple by the sea.

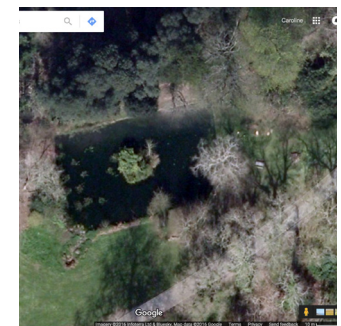
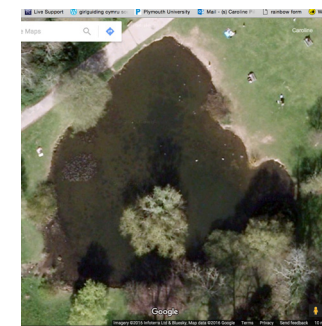
While memory is the starting point for this sensual olfactory garden, it is the physicality of the experience, and its delicate, multi-layered resonances that seduce the visitor.



Mount Edgcumbe



The site for this project is Mount Edgcumbe. It's located in Cornwall, just across the way from Plymouth. To get there you catch the Cermyll Ferry across the water. The two specific sites I have located are at different places in the park. Both location are ponds. The first location is seen as you walk up to the house. The other location is near the amphitheatre.



Mount Edgcumbe



Location 1 - Smaller pond located on the way up to the manor house. The approximate perimeter of this pond is 150m and the approximate area of this pond is 50m x 25m. There is a small island in the middle of this pond.



Location 2 - Big pond near the Amphitheatre and Barn pool beach. The approximate perimeter of this pond is 280m. Roughly in the middle of this pond is a small island.



Mount Edgcumbe



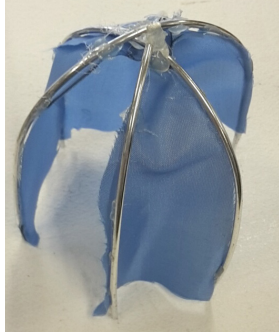
Mount Edgcumbe



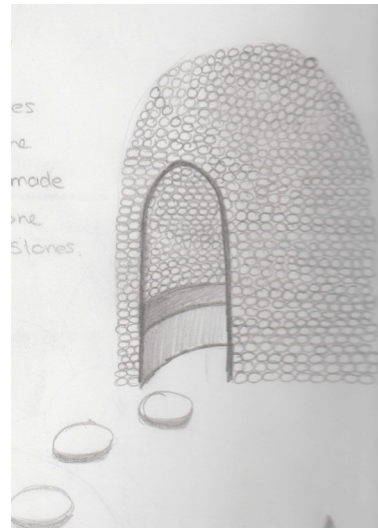
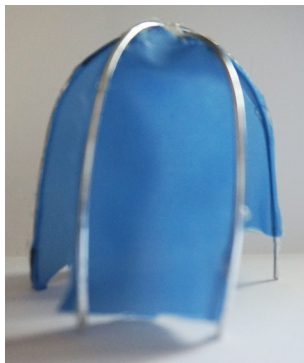
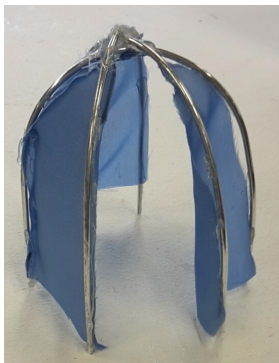
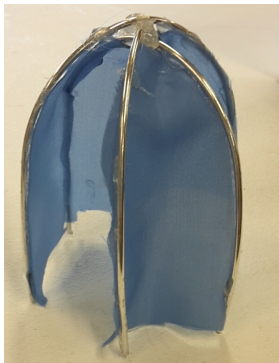
Here is my creative response to the site. It is a water colour painting, of the first thing I saw of mount Edgcumbe. It is the first thing that most people see when they visit mount Edgcumbe. Therefore it sets the mood for the rest of their day at Mount Edgcumbe. It is peoples first impression of the place.

Design Ideas

To start with I created a few sketch models as a response to the brief.



I thought about experimenting with different materials. As a result I thought of using fabric as the main material. This gives it the possibility of it being a pop up shelter, that can easily be moved around. Also, using material gives me the chance to have them dyed in different colours or have paintings on them to make them more of a feature.



This design is meant to be placed either in water or on grass. The stepping stones are designed to make it more of an experience than just a shelter or nest. It is meant to be made out of small pebbles piled together to create the shape. Being dome shaped is to replicate the shape of the stones. However, the design would seem very dark inside as there is no access for light to enter the micro shelter.



Based on the Mafoombey: A space for listening to and experiencing music. I thought of making a seating area for a couple of people using a similar technique of layering up material, to get a final outcome. However, this design would not be suitable for Mount Edgumbe as it is likely to look out of place.



Unlike the other designs this one doesn't actually shelter people but is more of a seat. The idea behind this is to have quite a few of them in one place. That possibly make a pattern or picture from above. The seat would fit two people on it. They would be sitting back to back. In theory the seat would be able to rock back and forth slightly. This would make it quite difficult to get on and off the seat.



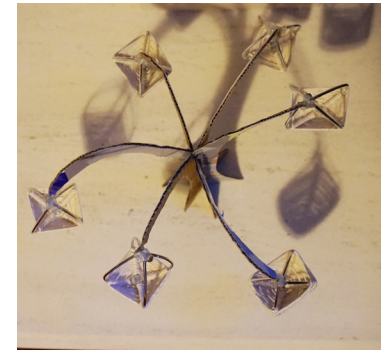
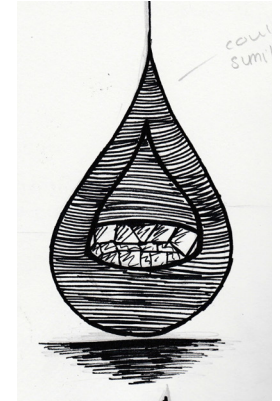
Design Ideas



Originally this design was to have hanging basket type things. That would be placed on the trees running along side the main path leading up to the house. The idea being it would replicate baubles hanging in a Christmas tree. The baskets would fit between one and two people in them. The main purpose of these is that the person is nice and high up so that they can get a

great view of the surrounding area. However, the design has its drawbacks for example: how people get in and out of the baskets. The location of the nest then moved to the lake adjacent to the Mount Edgcumbe house. Where there is a tree in the centre of the pond. As a result the basket shapes, became water drops. This was the idea of having water drops just hovering above the water. These are to be suspended from the centre tree. This did cause slight complication as

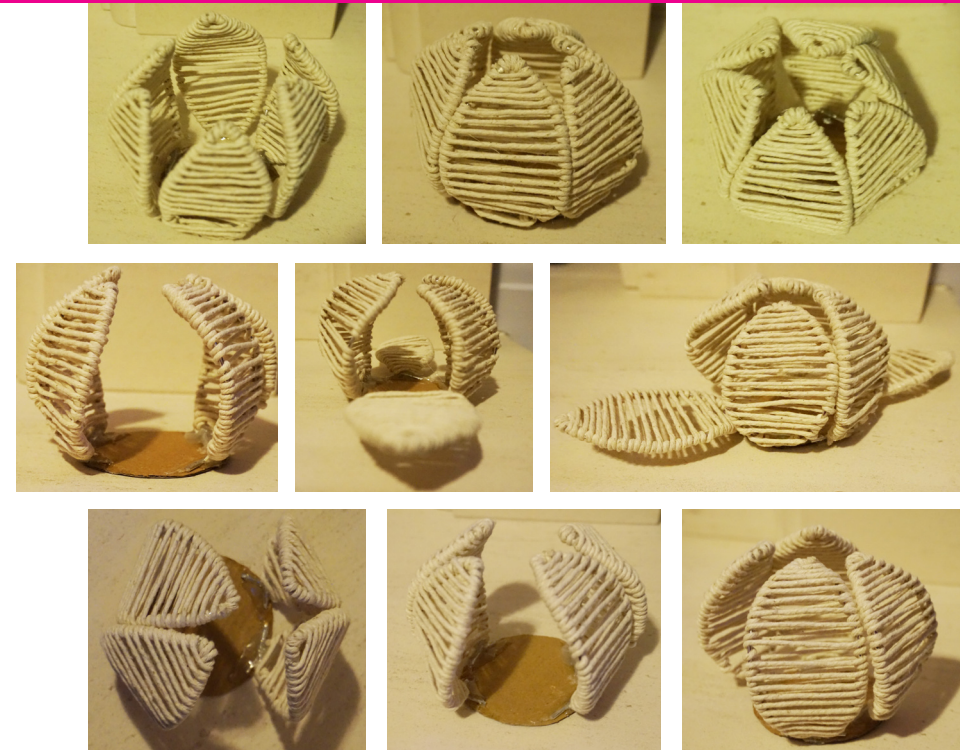
the tree might not be strong enough to hold all of the drops. The water location did help with entering the baskets as the drops wouldn't be very high off the water so they would be able to step in and off the stepping stones leading up to them



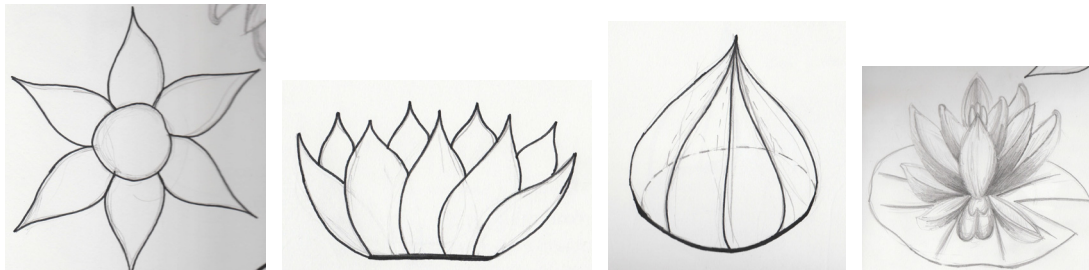
Design Ideas



Originally I did a simple Maquette to demonstrate the shape of the design. When developing it, the model became more realistic to illustrate the materials. For example, the string wrapped around is too represent the willow weaved section.



Here is my chosen design the Lily pod. The idea for this is that it floats on top of the lake and people are able to sit inside of them and have a lovely trip around the lake. The petals open out so that people can get in and then close up once there in. However, this was a slight problem as people found it difficult to get in and out, as the pods were freely floating around. As a result, the pods are now fixed to the bottom of the lake to a big heavy stones attached by chains. This allows it to rise and fall with the water level. The stepping stones connect all of the Lily pods together. This makes it a bit more fun for children as it becomes more of an experience having to get to the different Lily Pods. For the people to get in and out of the Pods they pull down the petal a bit. As they aren't tightly fitted together there would be a big enough gap to fit through without having to pull a petal flat out.



Willow weaving



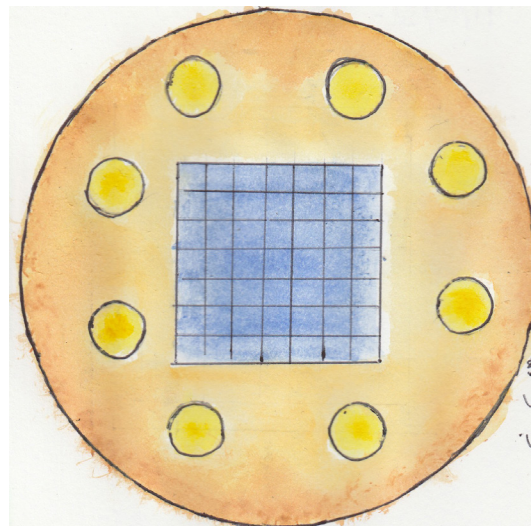
Willow weaving is a very old practice that people have been doing for nearly 12,000 years. It is traditionally a method used to make baskets, but in more recent years has been used to create other things like benches, Human nests or pieces of art work. The willow comes in many colours and different sizes. Using willow in the human nest will make it seem more natural and blend in with its surroundings quite well. It is very important when using willow to leave it to soak for a few days, this allows it to soak up the water and become more flexible. However, there's not much time to make something as it starts to dry out quickly.

Solar power

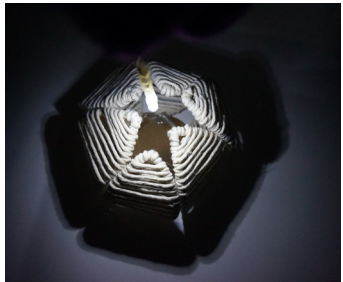
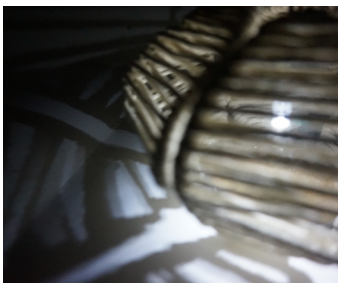
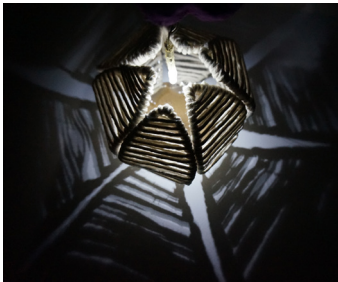
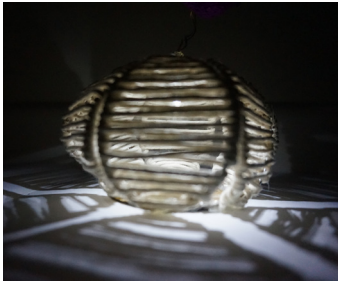
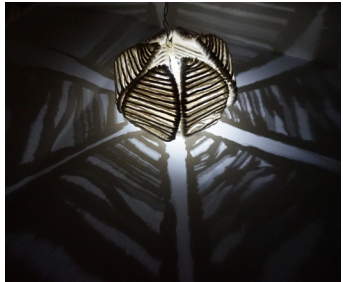


PV cells are made from layers of Semi-conducting materials, usually silicon. When light shines on to the cell it creates an electric field across the layers. The stronger the sunshine, the more electricity is produced. Groups of cells are mounted together in panels. However, the solar panels do need some maintenance. The panels need to be kept relatively clean, and making sure there isn't too much tree coverage.

The panels will be placed in the centre of the lily pod. The panels will be charging the lights in the centre of the pod and subsequently will effect when the lights are turned on. E.g. At night time the light will be fully turned on whereas, in the day the lights will be turned off or dimmed considerably. Further more the solar panels will affect how open/closed the lily pad is. When there is lots of light shinning on the panels it will open up more, and vis versa. This means that they are closed up during night time and possibility the winter when they are not in much use. Helping them to prolong other life span.



Development



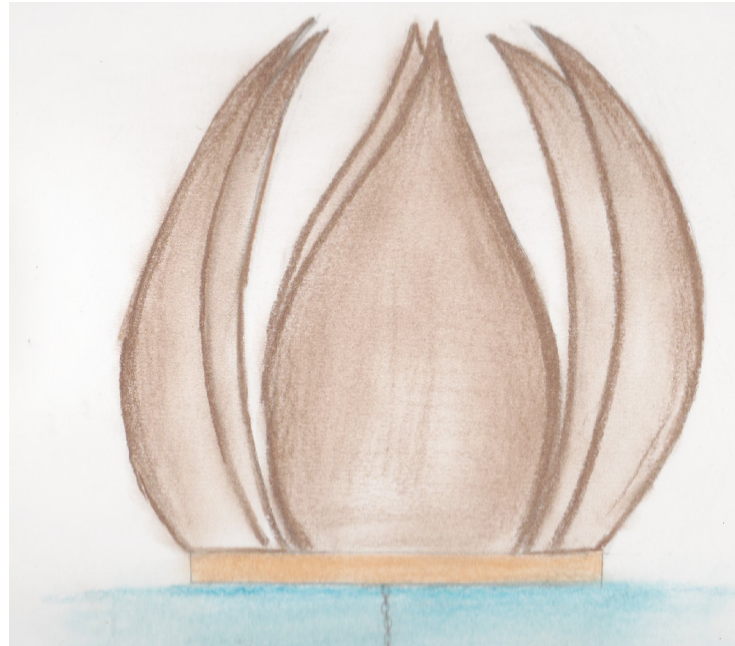
Experimenting with light and shadow was really fun as well as being useful because it demonstrated the potential of the Lily pod at night. It highlights how far out the shadow spans. Additionally, testing the willow and how that creates shadow represented what it would be like in real life. The proses gave the Lily Pod the ability to be an art installation at night. As you would have a few of them light up on the lake with, their shadows casting across. Experimenting with the willow was quite difficult because it don't think it was as damp as it should have been. Plus it was quite a tight bend at some points. Additionally, thinking about how the users interact with the Lily Pod. There were a few tests to see how seating would work. It didn't work as well as planned. Preferably the seats would be moulded out of the willow petals, but that causes problems when getting in. Therefore, the idea is that it's like a picnic in the fact that the user would sit on the base.



Materials



The materials that have been selected for the Lily Pod is to use cork for the base. As the material floats. It has to be at least 200mm thick to be able to hold a couple of people. Having a weight attached to the bottom means that the Lily Pod isn't going to flip over if a larger person stands on one edge. There is a structured frame for the petals which is to be made out of Aluminum rods and then have the willow weaved around it. This makes it a bit stronger, but still being able to bend it. Lastly, the stepping stones would be stone that could have potentially come from around Mount Edgcombe. There will be thick heavy boat chains keeping it attached to the big heavy rock at the bottom.

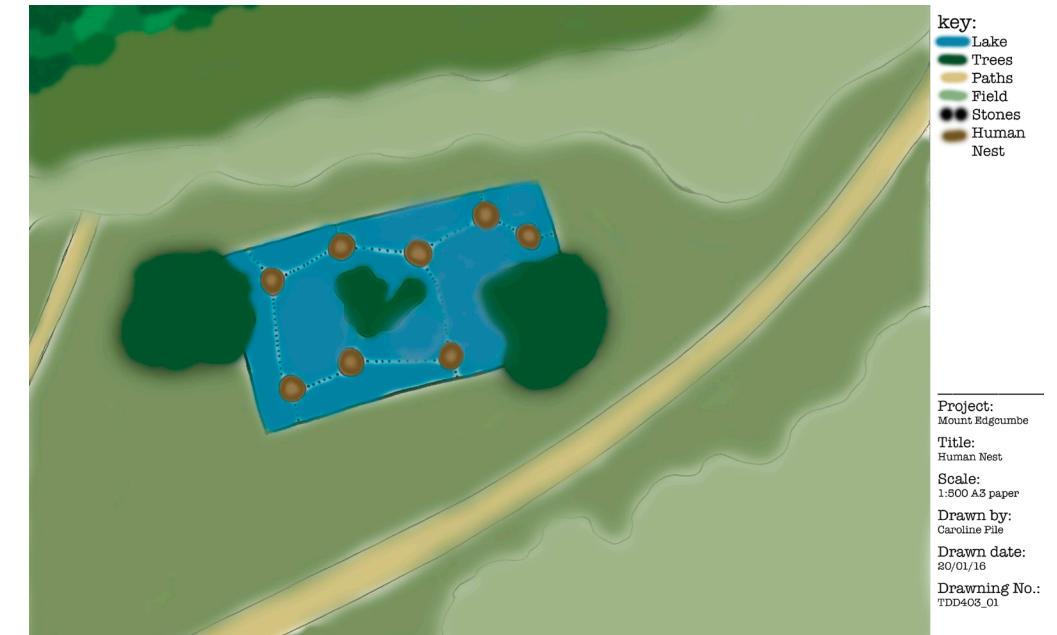
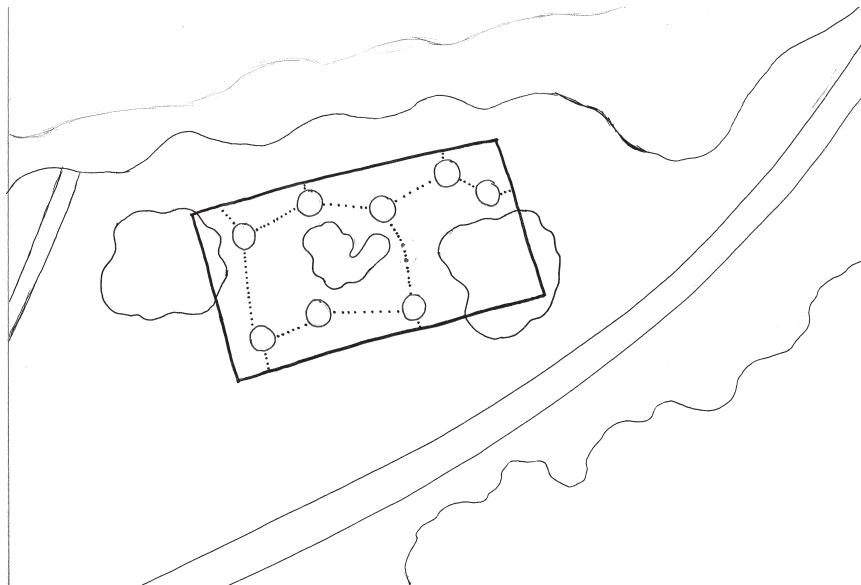


Target Audience

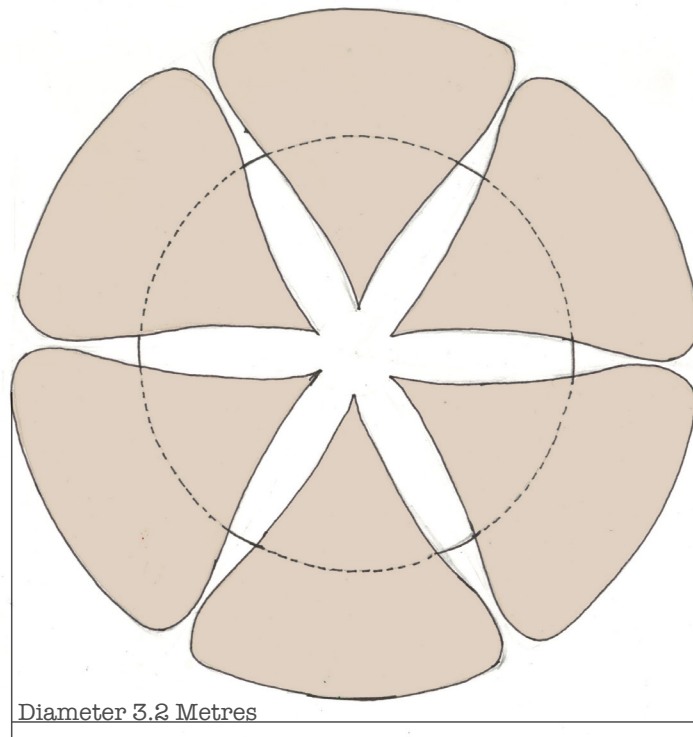
The target audience for the Lily Pod is young families, or couples on a day out at Mount Edgcombe. Wanting a quiet peaceful place to rest or eat lunch. It provides a bit of fun for the kids because they have to use the stepping stones to get to a lily pod. However, it is a relaxing place because it is out of the way due to the location. Plus, the gentle movement of the water adds a calming sensation.



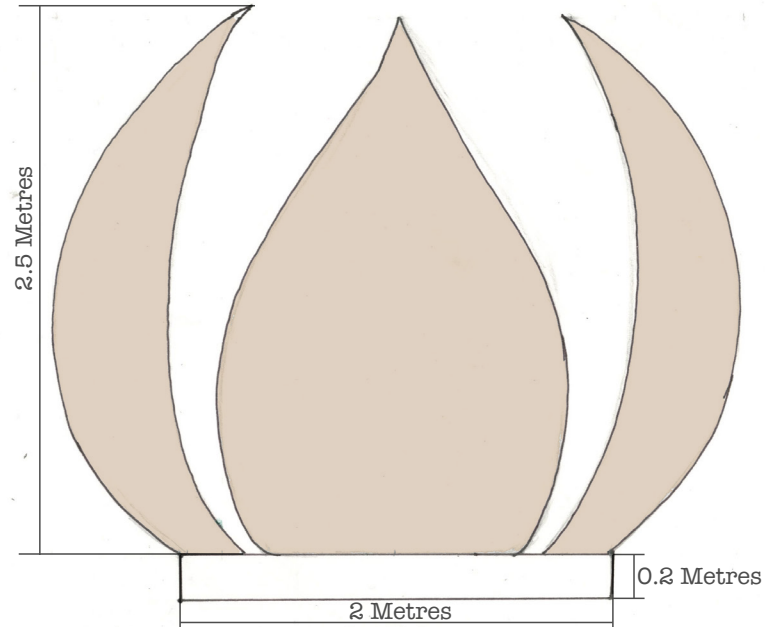
Plan of site



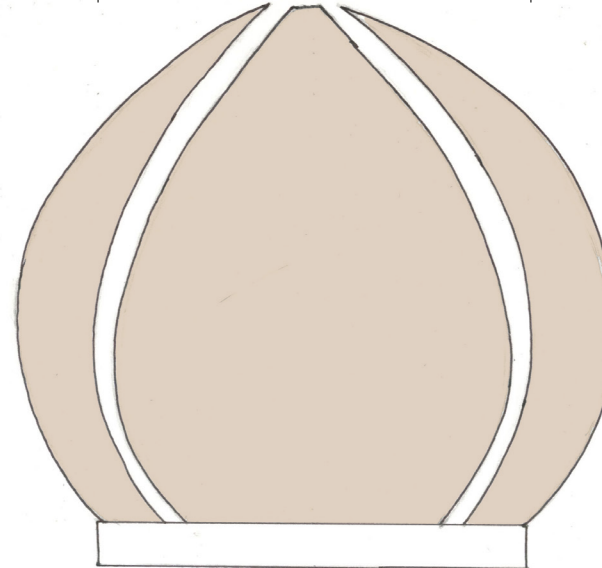
Plans and Elavations



Lily Pod
Project: Mount Edgumbe
Title: Human Nest
Scale: 1:20 A3 paper
Drawn by: Caroline Pile
Brawn date: 26/01/16
Drawing No.: TDD403_01
TDD403_02



This top Lily Pod illustrates the size when it is quite open and how it would be during the day when most people are using them.



This bottom Lily Pod illustrates the size when it is closed. This is how they would be during night-time and when the lights would be on.

Visuals

Daytime visual - Site two



Night-time visual - Site one



Scale Model



1:10 scale model.
The top picture shows what it will look like when the light is on at night. The bottom picture demonstrates the size of a person compared to the size of the model.