

EARTH RISING ECO ART FESTIVAL

Fri 21, Sat 22 & Sun 23 October 2022

ÉIRIGH

'Built to Disappear' Eco Pavilion

Brought to you by:



Supported by:



Willie Duggan



*As the Earth falls,
so must we rise.
Together. As one.*

Éirigh is a unique, site-specific collaboration commissioned by Lioncor that brings together art, architecture, creativity and construction. It represents a place where people can gather to talk, to listen, to learn and to take decisive action for the future of our planet.

Its geometric shape reflects the shape of the Earth itself and it has been built with sustainable and recyclable softwood, willow, bamboo and jute. These are used in indigenous woven architecture around the globe. They can be grown locally and biodegrade back into the environment. They are *'Built to Disappear.'*

Éirigh used minimal energy in its build phase and uses minimal energy to sustain itself, but its construction was driven by the energy of collaboration, of teamwork and of the people coming together to engage in resolving the biggest problem facing humanity.

It is a home, an office, a place in which to relax and think. But more importantly, it is a meeting space. The built environment is where we live and work but it must be sustainable if the planet is to survive.

The pavilion also functions as a sundial to demonstrate that the simplest structures can do the most complex things – and to show that we are running out of time.

The title *Éirigh* means *'wake up'* or *'get up'* and reflects the fact that we must all engage in the climate debate and not leave it to others. *'The time is now for us to rise up together for our planet, for our future and for our children.'*

The project has been undertaken through the involvement and energy of an enormous number of people and could not have been delivered without each and every one of them.

Rory Murphy,
Reddy Architecture + Urbanism

CONCEPT 1

Gareth Maguire

Multiple proposals to construct a temporary structure at the central courtyard. This study examines how materials and form can change to create different engaging sculptures.



Look Up



Gateway



Paper House

CONCEPT 2

Gareth Maguire

This proposal includes a large scale installation encompassing the entirety of the meadow area. It questions how materials such as growing grass or field paint may grow or change over time.

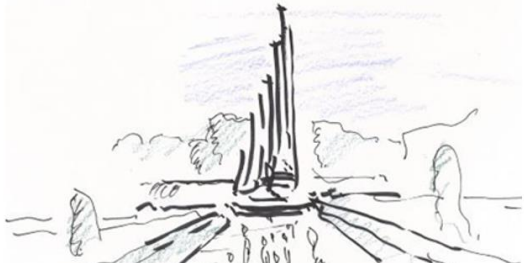


GATHER

CONCEPT 3

Eoghan O'Brien

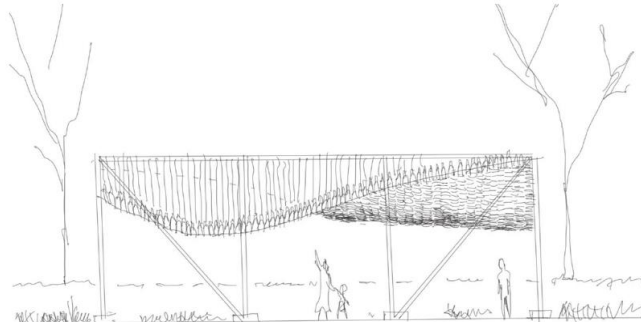
The temporary structure will be a striking sculpture marking the centre of the gardens, constructed from recycled bottles. At the base of the structure and cascading down will be seated areas to allow people to sit and enjoy the water and gardens.



CONCEPT 5

Felix Rodriguez

A modular structure made of steel frames with 'hanging' glass bottles to form a translucent roof. Walking through the installation changed your perception as light passes through the ordinary glass bottles to form a prism around the viewer, thus changing your reality. The modular aspect of the installation allows certain flexibility to arrange it into a corridor or into a more focal point/gathering arrangement.



In order to reduce the ecological footprint, once the installation is over the glass can be made into sand to restore beaches facing erosion due to climate change.

It will be a modular structure, built in sections, allowing us to adapt the design to the available resources and needs of the project. We'll need approximately 1600 bottles per module of 5x3m.



12/08/2022

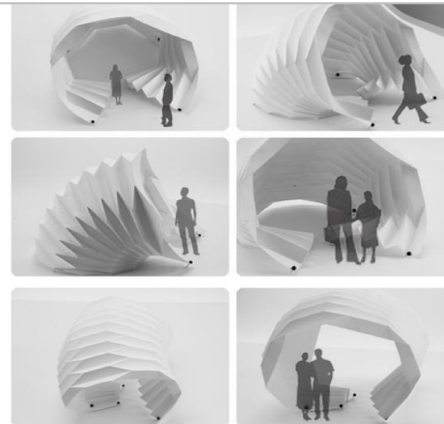
reddy architecture+urbanism

CONCEPT 6

Mariana Gomes

The Front Lawn and the Meadows both seem suitable locations for the kind of gathering the offering has to achieve, however due to the size of the Meadows it could be a bigger challenge to place the proposed structure(s) without seem disconnected unless the element of surprise is the objective of said structure. The front lawn already hosts a temporary pavilion right at the door step of MMA's building, while the Courtyard expresses the modern art it shelters, the same doesn't happen on your first moment in the museum's grounds coming up the avenue into the front lawn.

To disappear? If we are modest, we could say it disappears when its folded and moved to a new place. If we are dramatic, it could be made out of a material that will slowly melt with the rain.



CONCEPT 7

Pierce Hawkins

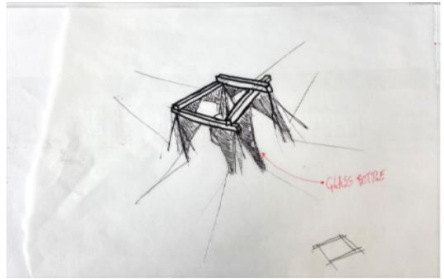
Type - four sided open pavilion

Where - located in the heart of the location surrounding the Fountain display

Materials - made of upcycled materials such as glass bottles and clear and reflective CD disks with a bamboo made structure.

Why - glass and CD's manipulate light in great ways and create and bright eye catching view in the heart of the location. Bamboo is a light weight strong material which is great from the environment.

How - bottles would be overlaid and tied down to the structure



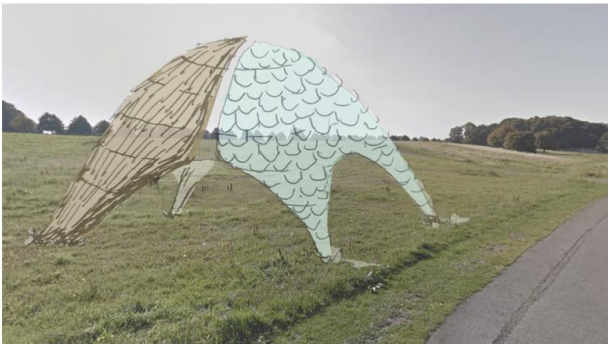
CONCEPT 8

Molly Smith

This proposal focuses on the experiential comparison of materiality, history, lifecycle and structure of two unique materials within a single cohesive form.

The form and scale of this pavilion could respond to various locations on the site to best suit the most impactful experience.

This could be a temporary structure with the intent that one half of the materials would be organic and biodegradable, while the other half would be recycled for a future use.



CONCEPT 9

Michael Connolly

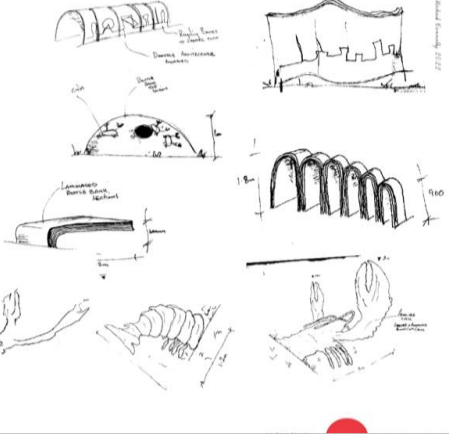
A Series of Recycled Sculptures embedded in the grassland, rising up through the earth to remind humans about the value of materials and the harm that they pose to the habitat for marine life.

A large Lobster sculpture will be made from recycled aluminium cans and large plastic recycling banks. The lobster sculpture will rise from the earth. The Sculpture will dawn a red military coat as a nod to the Chelsea Pensioners of the Royal Hospital.

The coat will be made from hammered layers of Aluminium cans, and a mixture of grey and red ring pulls woven together to create a chain-link look.

Plastic Recycling banks will be filleted to create an architectural colonnade reflective of the many arches in Kilmainham. The pieces may be laminated together if multiple colours are available.

Recycling banks may also be cut down to create abstract pieces of flowing shapes that may offer arresting points. For stability the pieces should be laminated.

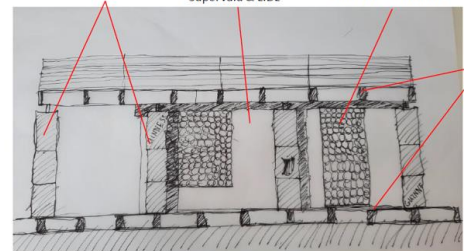


David Potts

Considering the theme 'built to disappear' this temporary structure made of recycled local materials to service the current Ukrainian refugee crisis in Ireland, mainly the temporary camps & modular accommodation.

Options for the structure include: Children's play area, Social Space, Sanitary Space, Temporary Learning environment.

I have also displayed some of the potential local sources for recycled material located at Kilmainham. Which can be of use for other proposals.



2/08/2022 reda architecture+urbanism

CONCEPT 10

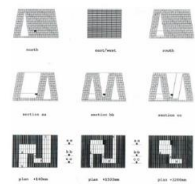
CONCEPT 12

Ivor O'Brien

The peat pavilion 'martyrium in peat' was the first Irish representation at the Venice Architecture Biennale. Constructed of peat briquettes, the well-known pavilion is reimaged here twenty-two years on in an exact replica, constructed instead of glass blocks.

Glass bottles are modulated and stacked to mimic the form and shape of the famous pavilion, which in turn mimicked that of an ancient Irish burial chamber.

Today, as we continue to move away from the use of carbon fuels, the proposed pavilion marks Ireland's progress and awareness of sustainable practices, such as the recycling of glass.

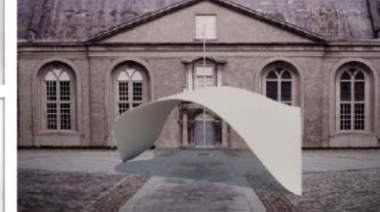
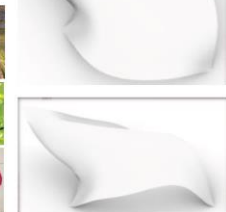


Ruben Molinero

What - A shelter made of sustainable, recyclable materials, to make us become aware of the current climate crisis we are experiencing, and raise public awareness, in order to help preserving the environment

How - With the use of recyclable materials, we can build a transitory shelter that can be disassembled, altered, reworked and at the same time keep its functionalities and essence

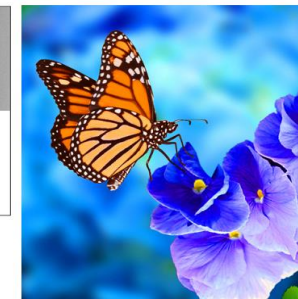
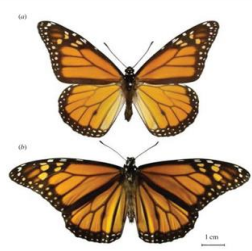
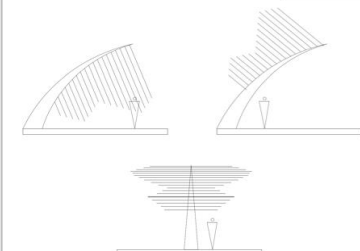
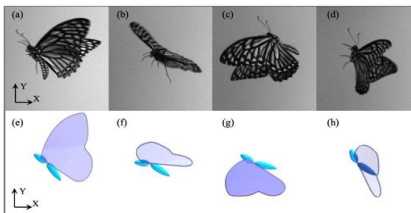
When - An ephemeral artwork with an everlasting commitment



CONCEPT 13

Lisa Wynne

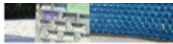






















































The concept is for a shelter that can be folded in various configurations to resemble a wing in stages of flight. It could be constructed using recycled materials and can fold down to be relocated. Colour can be introduced using the materials for the wings or with lighting.



CONCEPT 14

SHORT-LISTED CONCEPTS



	C3 	C4 	C5 	C6 	C7 
COMPLIANCE					
STABILITY/WIND					
CONSTRUCTABILITY					
INPUT FROM CONSULTANTS					
SKILLED TRADESPEOPLE					
MATERIALS PROCUREMENT					
QUALITY OF FINISH					
HEALTH & SAFETY					
SCHEDULE CONSTRAINTS					
BUDGET CONSTRAINTS					

SITE APPRAISAL

2A : There will be a tented pavilion here for hosting artists' showcases. Structure can go to the top of the meadow and could provide a perspective from a high level.

2B : As per client feedback this area is not suitable for shelter structure. Proposed location for sculptures.

2C : Entrance area to the meadows from Gardens. Good location for pavilion type structure providing a shelter at the entrance to the meadows.

3 The Formal Gardens : Any structures / sculptures need to be located on gravel paths. Location Suitable for sculptures or shelters that can be fixed within the gravel paths.

4 The Terrace : Terrace area with outdoor artwork. Good location for a shelter structure as a point where people can stop and observe the artwork. Ideally not a heavy concept that would take away from the detailed gardens and adjacent Palace.

5 : Area adjacent to existing pavilion. Ideally a design that would work well with exiting pavilion.

6 : Area within the trees – need plenty of signs as its not visible. Tall structures / sculptures would be suitable here or structures that can be incorporated into the surrounding trees.

7 The Central Courtyard : Area in the centre of the courtyard – great spot for sculptures or small structure that would become a focal point of the courtyard.



CONCEPT VISION

Materiality : Lifecycle , energy consumption, durability, texture, applications

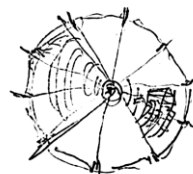
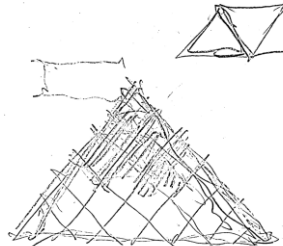
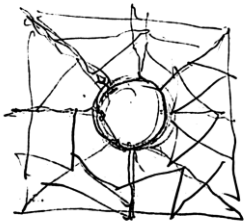
Natural Willow



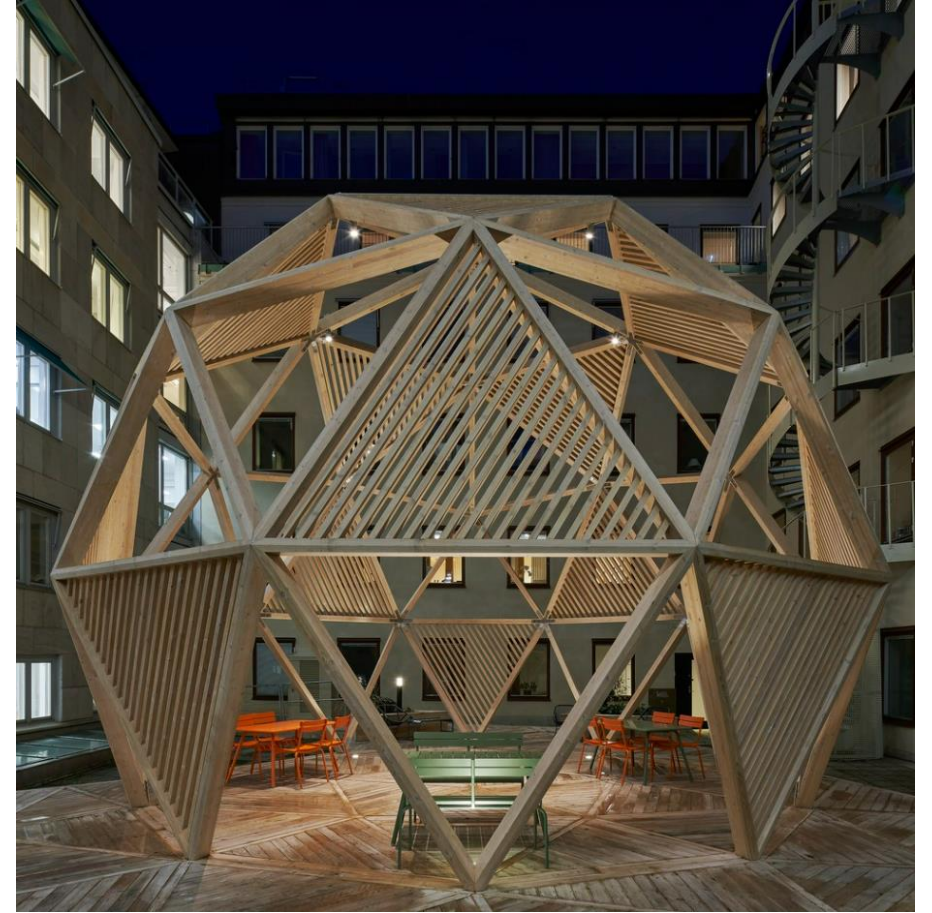
Recycled Glass



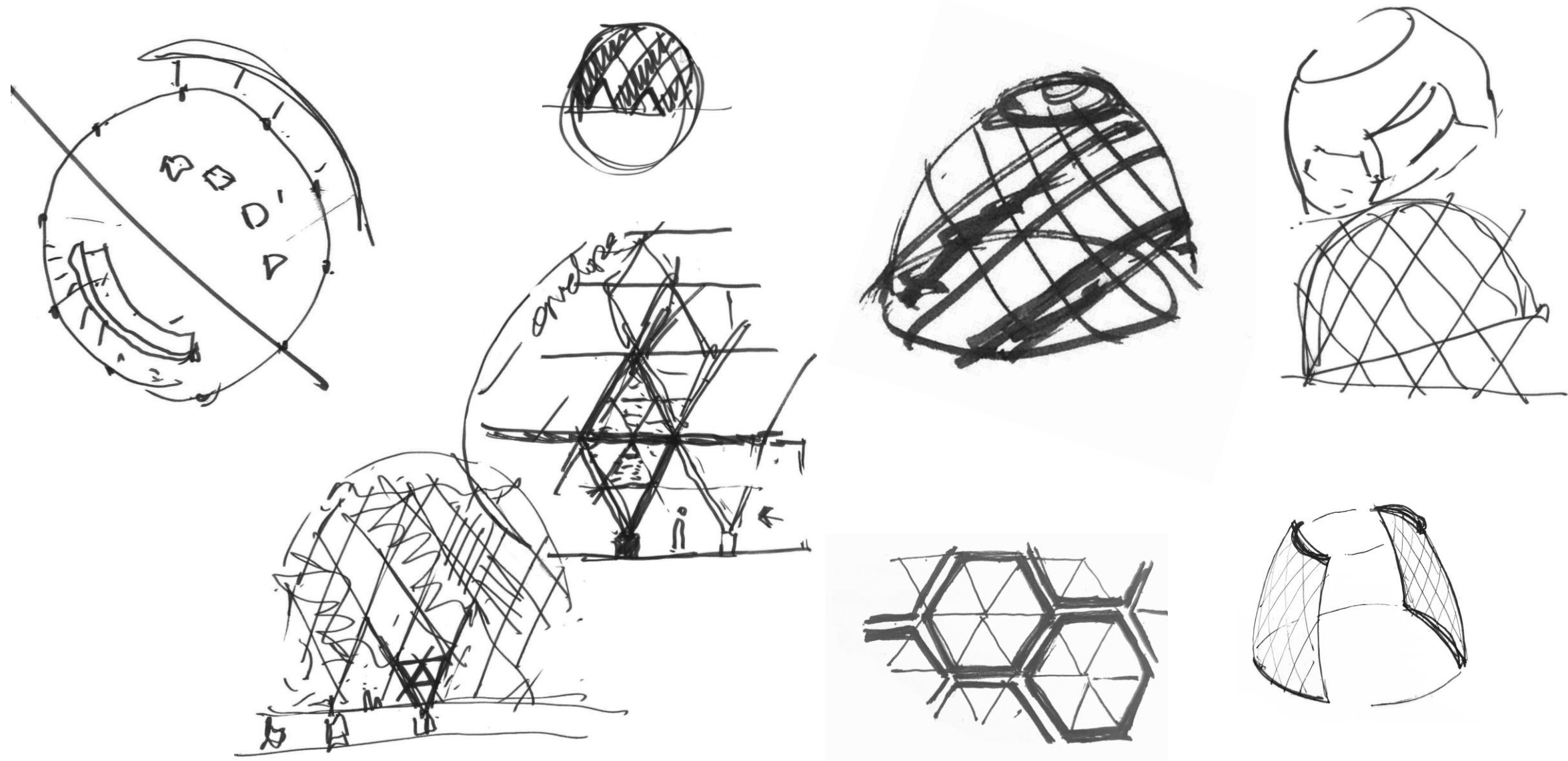
Heavy Timber



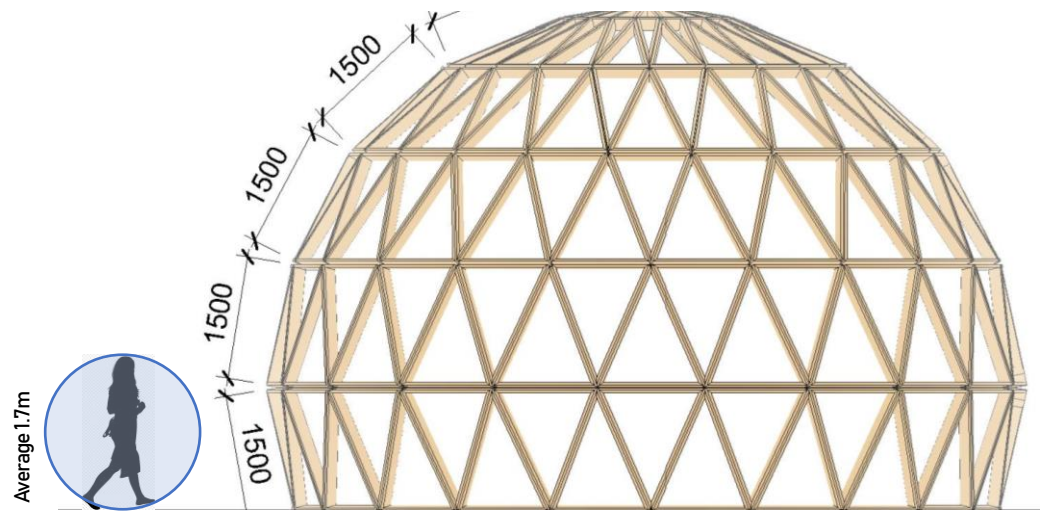
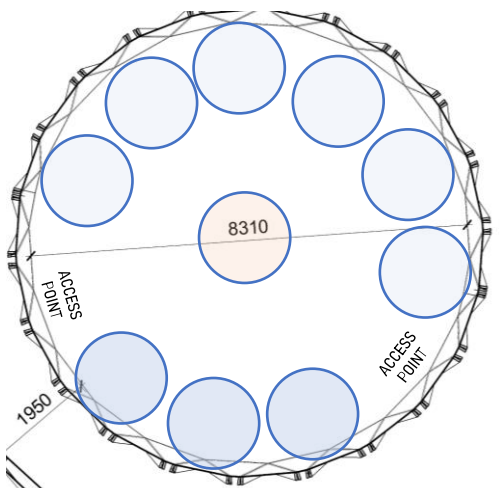
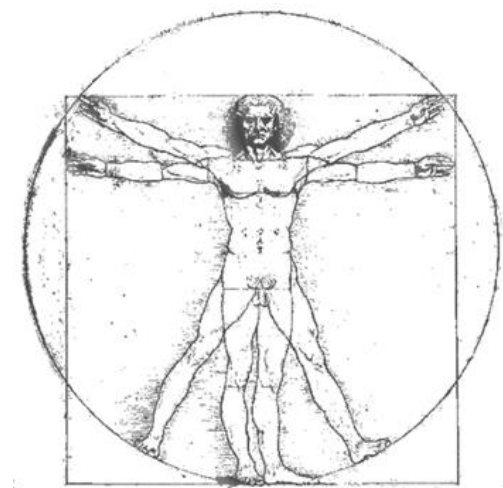
CONCEPT EXPLORATION



CONCEPT EXPLORATION



HISTORICAL REFERENCES



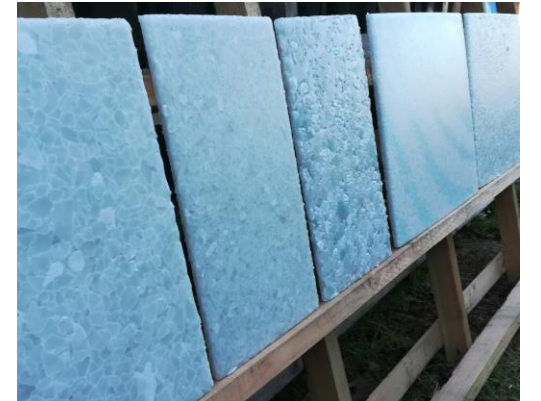
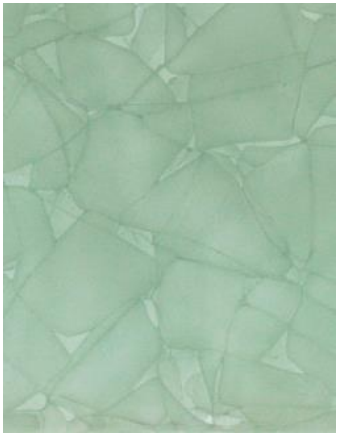
MODERN REFERENCES



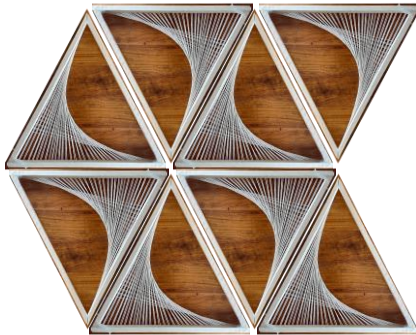
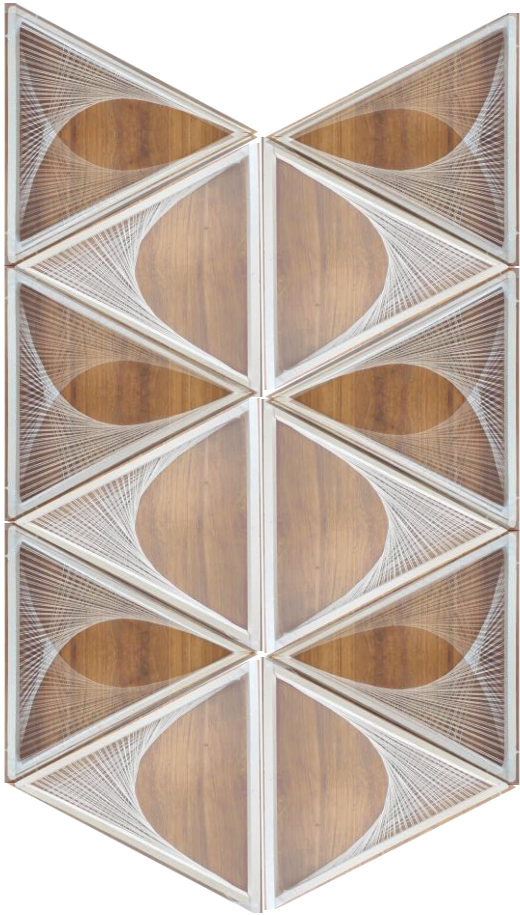
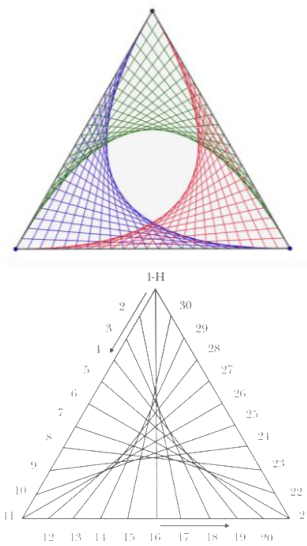
MATERIALS : TIMBER STRUCTURE



MATERIALS : GLASS



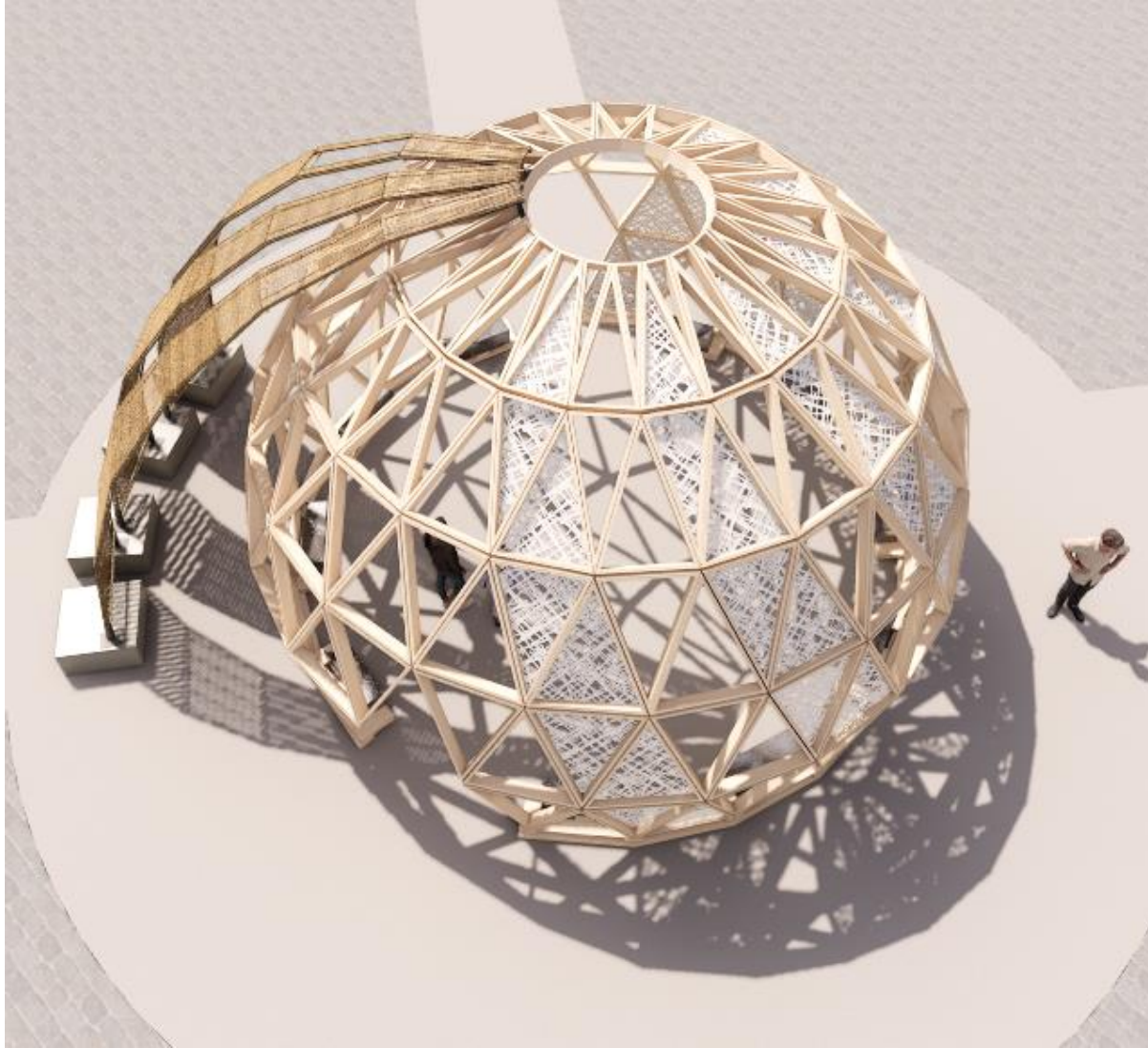
MATERIALS : WOVEN PANELS



MATERIALS : WILLOW CLADDING



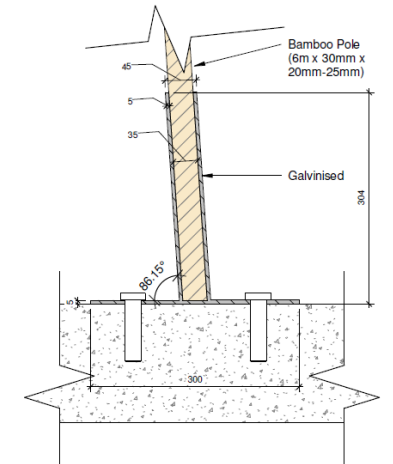
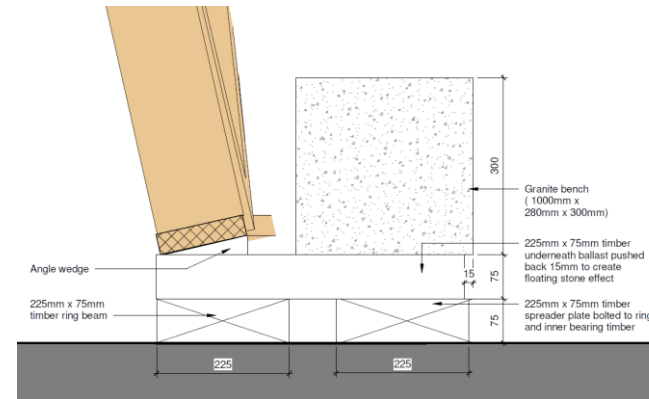
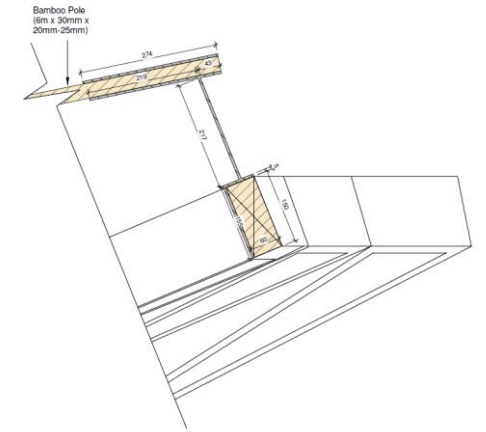
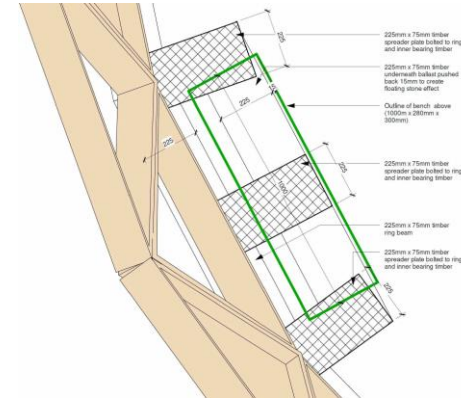
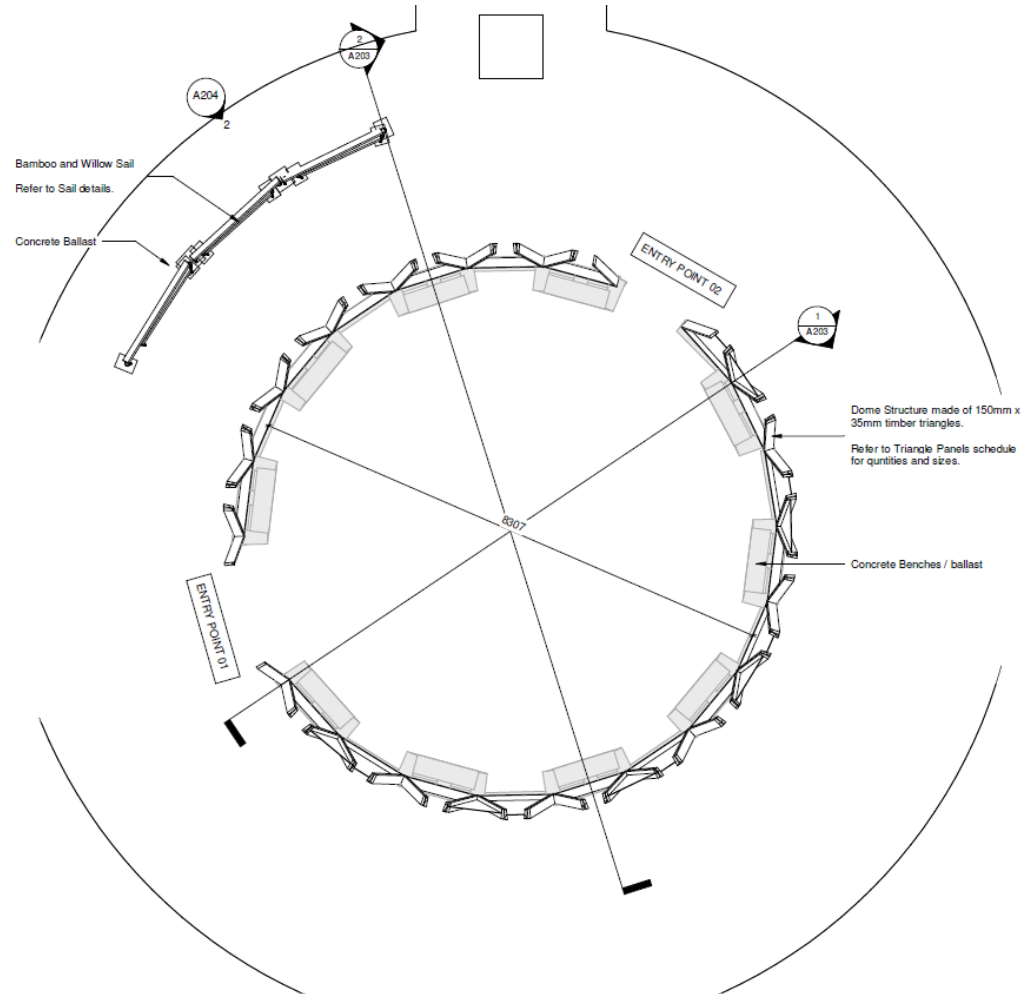
FINAL CONCEPT



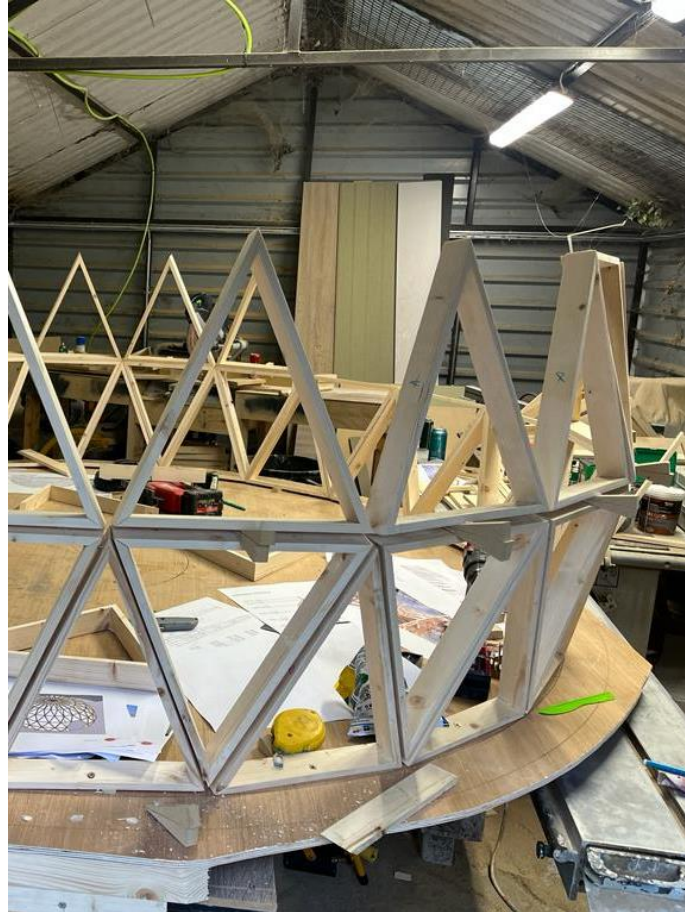
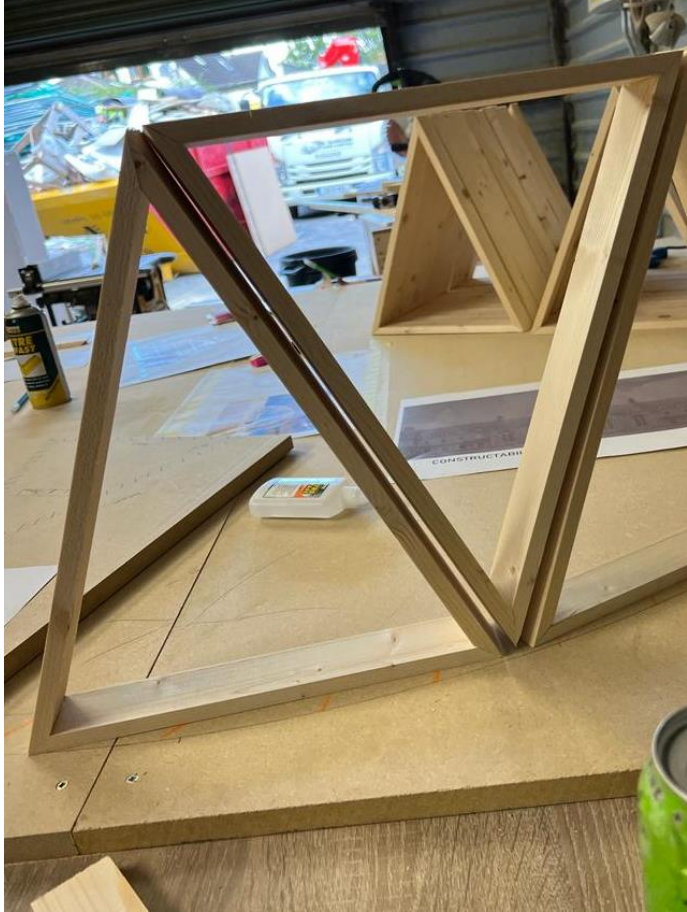
FINAL CONCEPT



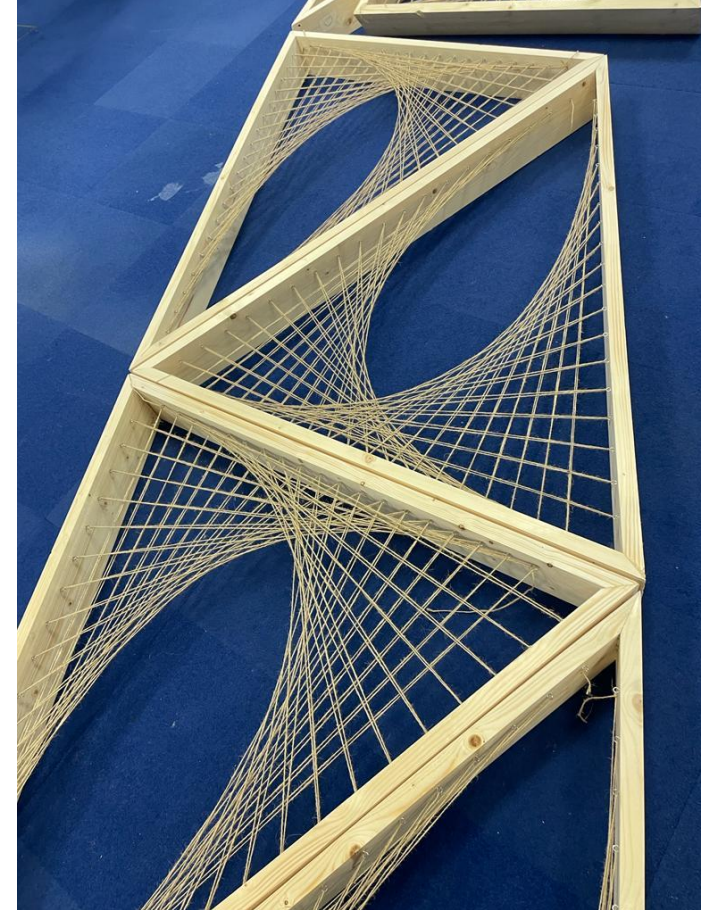
TECHNICAL DRAWINGS



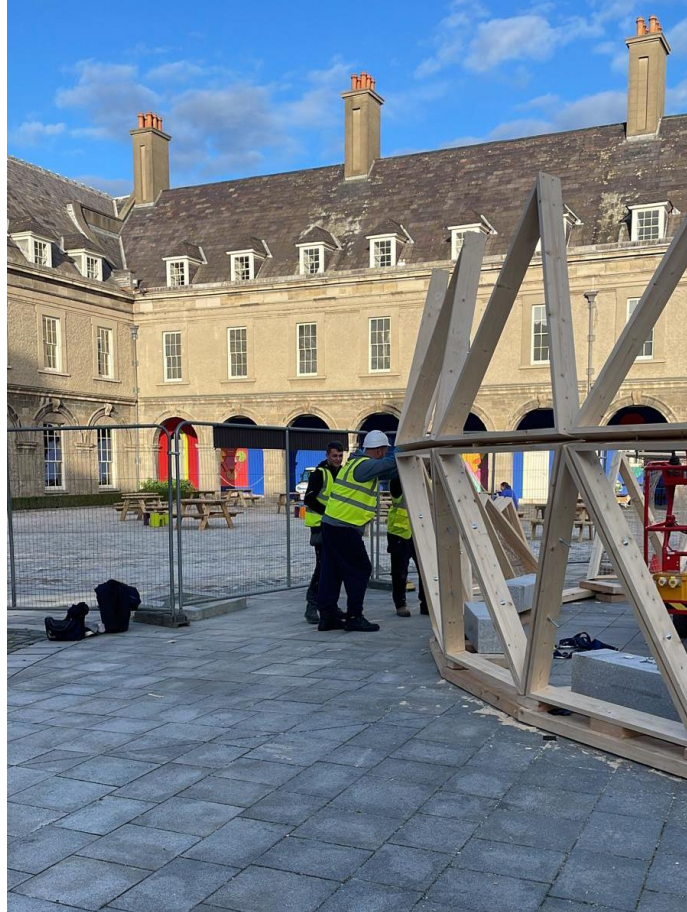
QUARTER-SCALE TEST MODEL



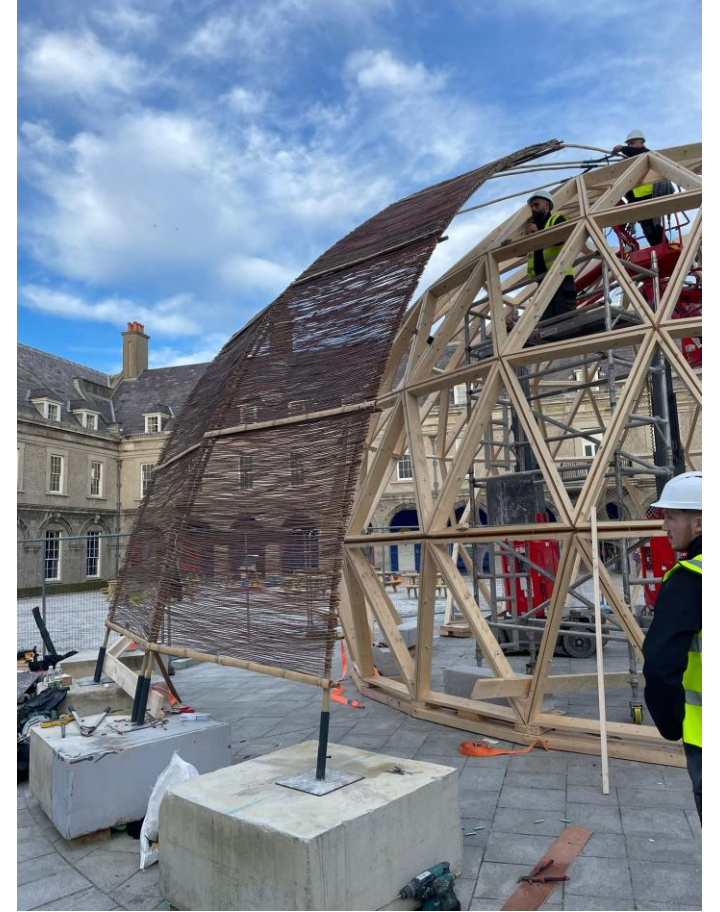
ASSEMBLY



ASSEMBLY



ASSEMBLY



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