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Submitted Portfolio Exemplar

Level 3 Design and Visual Communication

Achievement Standard 91627

Initiate design ideas through exploration

(Spatial)

Merit

TOTAL

M

ASSESSOR'S USE ONLY



Brief Context:

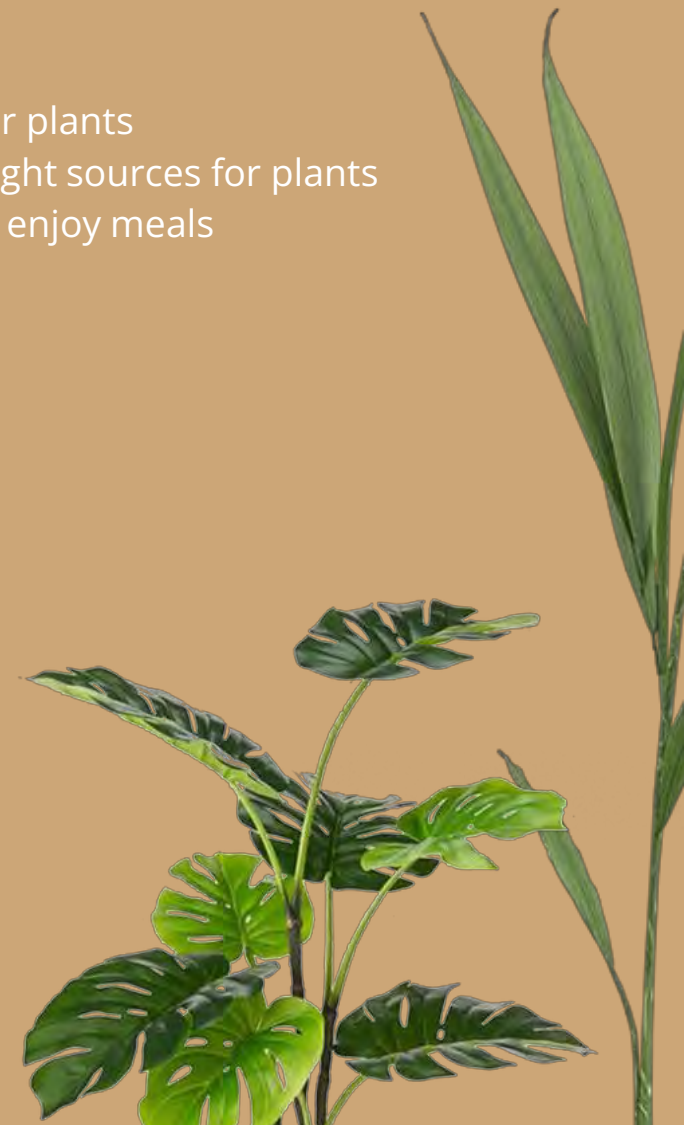
Project: Nature themed Cafe

Situation:

You have been hired to design a cafe to replace the Auckland Winter Gardens which caters to all ages. The cafe will aim to cater a minimum of 30 people in the store. The owners would also like the room to be plant friendly, as the cafe will be plant themed therefore needing various natural light sources and open space.

Specifications:

- There must be available space for plants
- There must be multiple natural light sources for plants
- Enough seating for customers to enjoy meals





Clientele/Users:

The cafe will be open to all ages of the public however mainly targeting adults/ students as the typical user.

This means the cafe must have an enjoyable vibe that enhances the dining experience.

Significance:

Greenery often creates a clean, healthy look to rooms and enhance the overall mood of a space. Since students and adults often come to study/work at nearby cafes to relax, plants are also proven to reduce stress and boost creativity which provides an enjoyable environment for customers.

Since cafes are a frequently visited hotspot, the filter of air pollutants is important for health.



(Location)

History/nearby features



Wintergarden Cafe

The Wintergarden Pavilion is an iconic cafe situated in Auckland Domain. The stylish cafe doubles up as wedding and event venue, enjoying a picturesque location amongst the 75 hectares of Auckland Domain. The Wintergarden Pavilion was originally built in 1913 but was recently renovated in 2011 to become better suited to host corporate functions, weddings and small conferences. The Cafe has a older building style which has room for improvement.



The Winter Garden

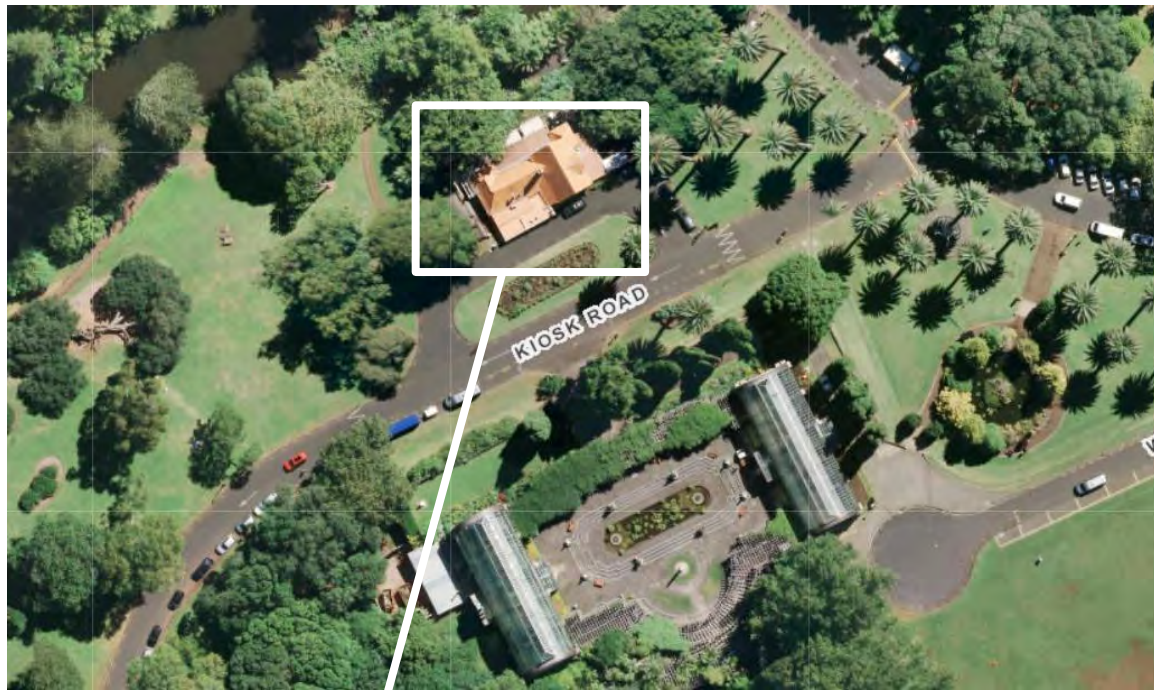
The Wintergarden Pavilion was originally built in 1913 but was recently renovated in 2011 to become better suited to host corporate functions, weddings and small conferences. This faces directly towards the Wintergarden Cafe from across the road meaning its an easy and accessible tourist attraction.



Auckland War Memorial

The Auckland War Memorial which is nearby the Wintergarden, The Museum Tāmaki Paenga Hira is one of New Zealand's most important museums and war memorials. Its collections concentrate on New Zealand history, natural history, and military history.

Between 1956 and 1960 the building was extended to include memorials to the 4,000 Aucklanders who lost their lives in the Second World War, as well as additional collections space. An internal courtyard was also created through a semi-circular addition at the rear of the building.



Proposed Site:

The Proposed site will be near the Winter Gardens and replacing the existing Wintergarden Cafe. Since the area is popular as customers visit the War Memorial Museum and Winter garden the relationship between the three will be beneficial as people can visit and then enjoy food before/afterwards.

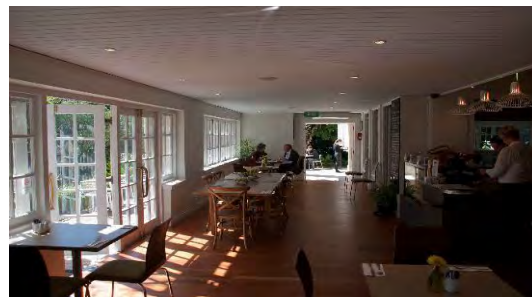
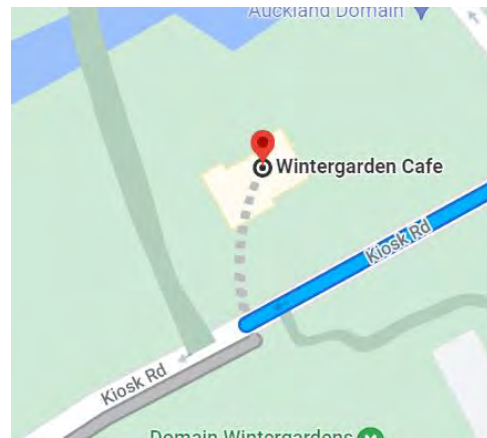
There is also carpark for customers to use, and nearby greenery for scenery.

- Relationship between Museum and Winter Gardens
- Entertainment then meal
- Large space for buildings
- carpark

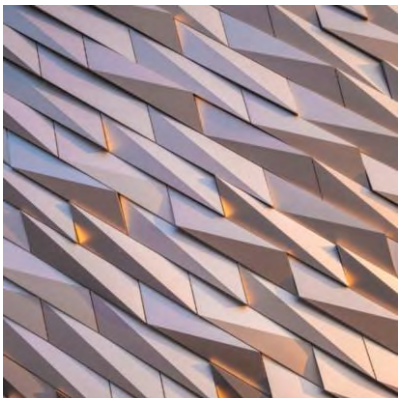
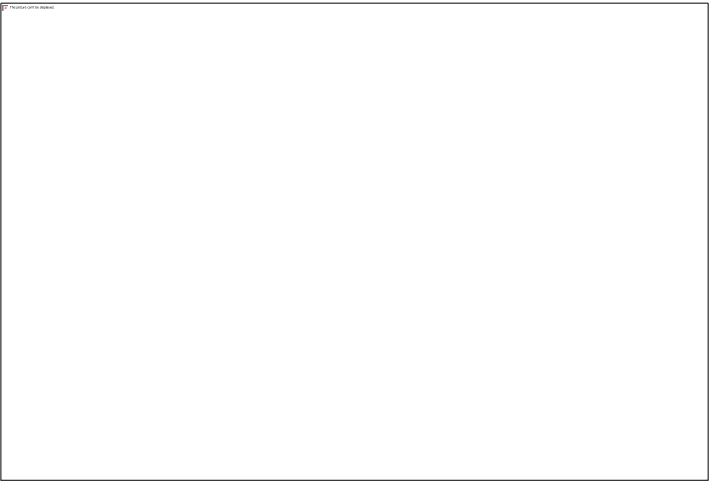
(Site Analysis)

Pre-existing Wintergarden Cafe

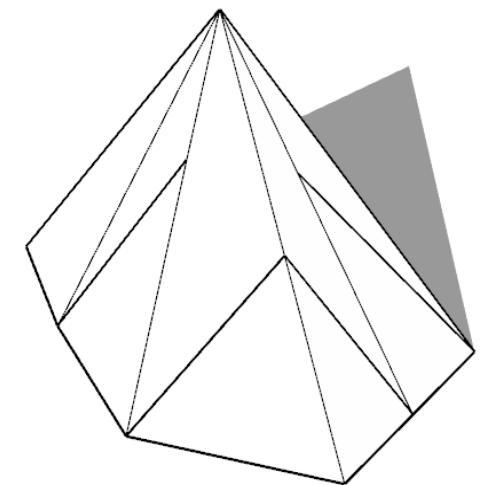
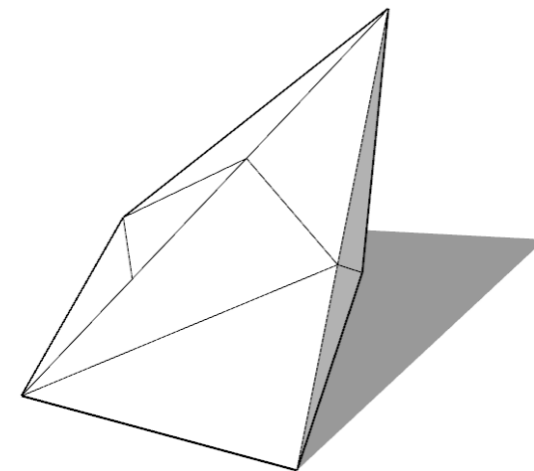
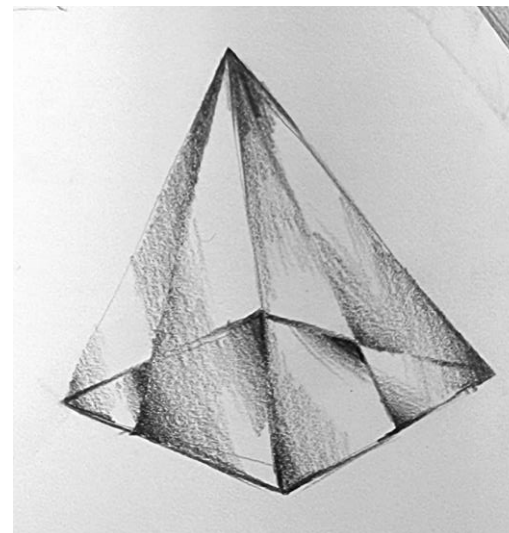
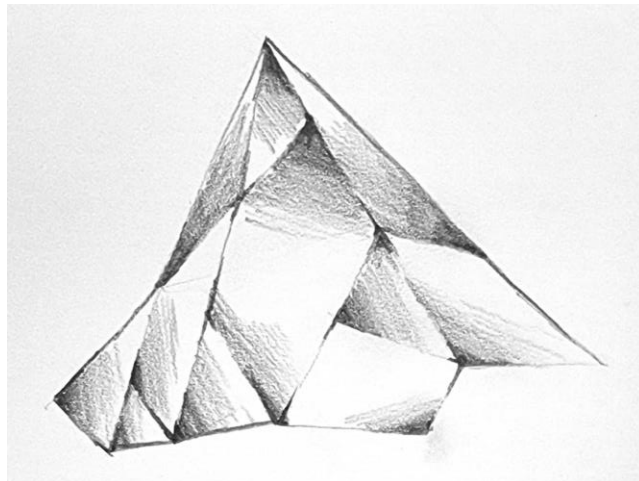
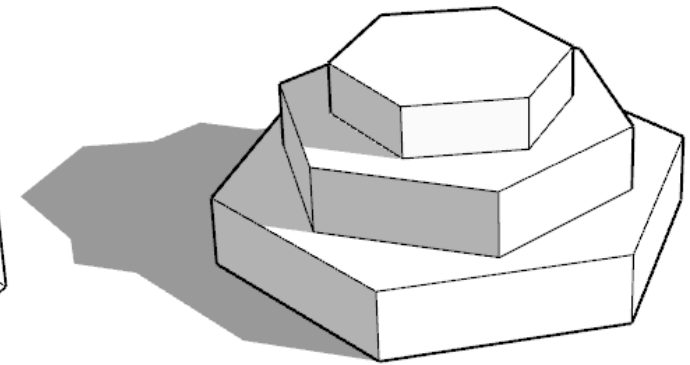
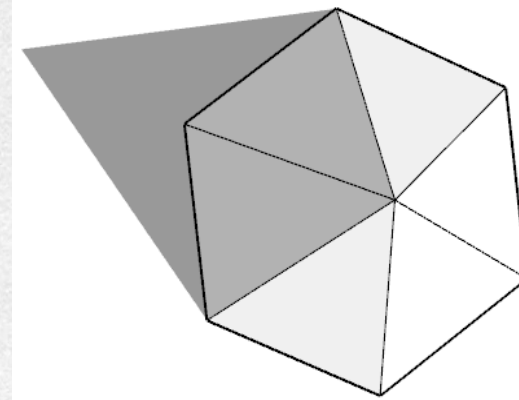
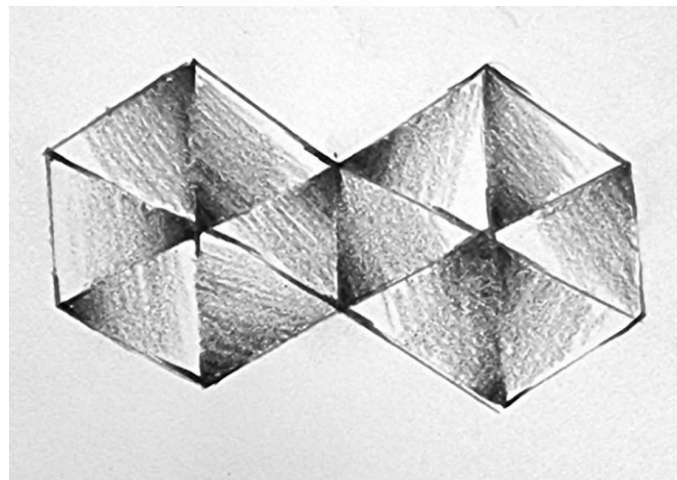
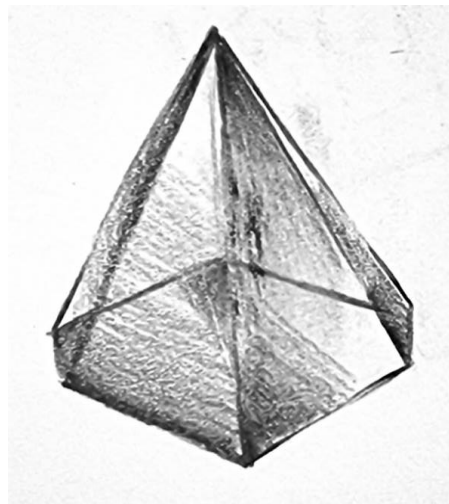
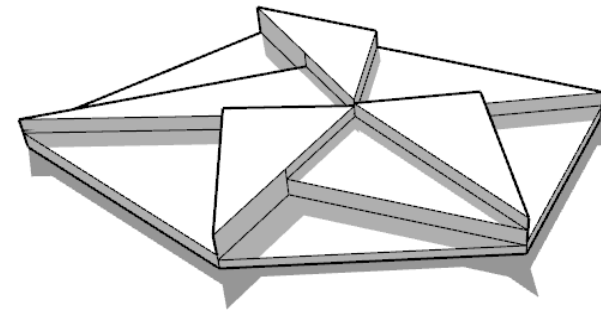
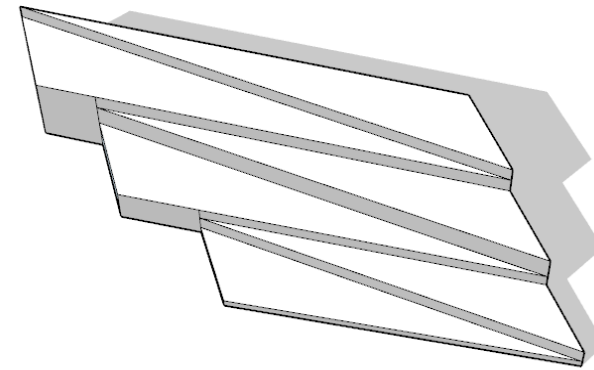
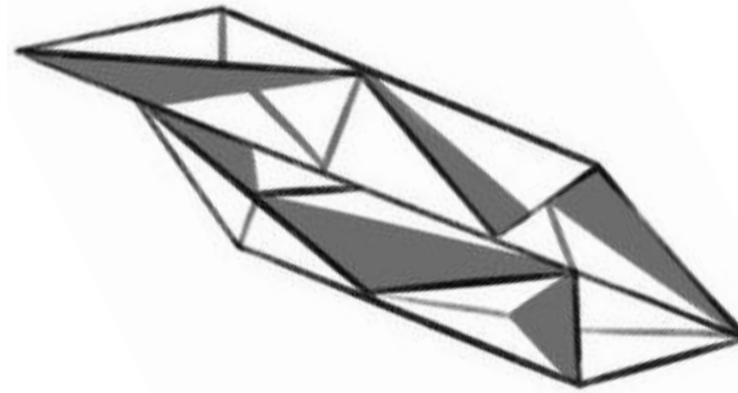
These are pre-existing photos of the current Wintergarden cafe situated in 20 Kiosk Road, Parnell, Auckland 1010. The indoor space is cramped and dark, whilst majority of the outdoor structure is outdated and not visually appealing.



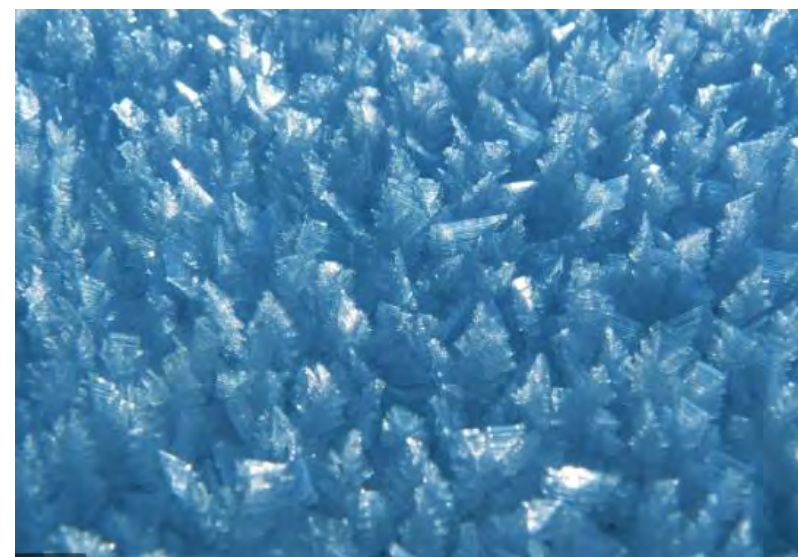
ORIGIN THEME Texture



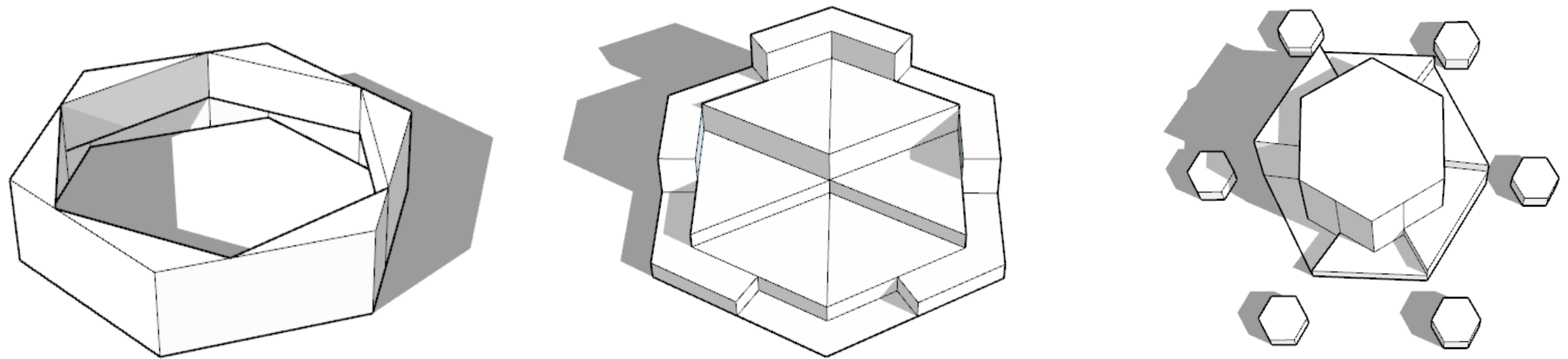
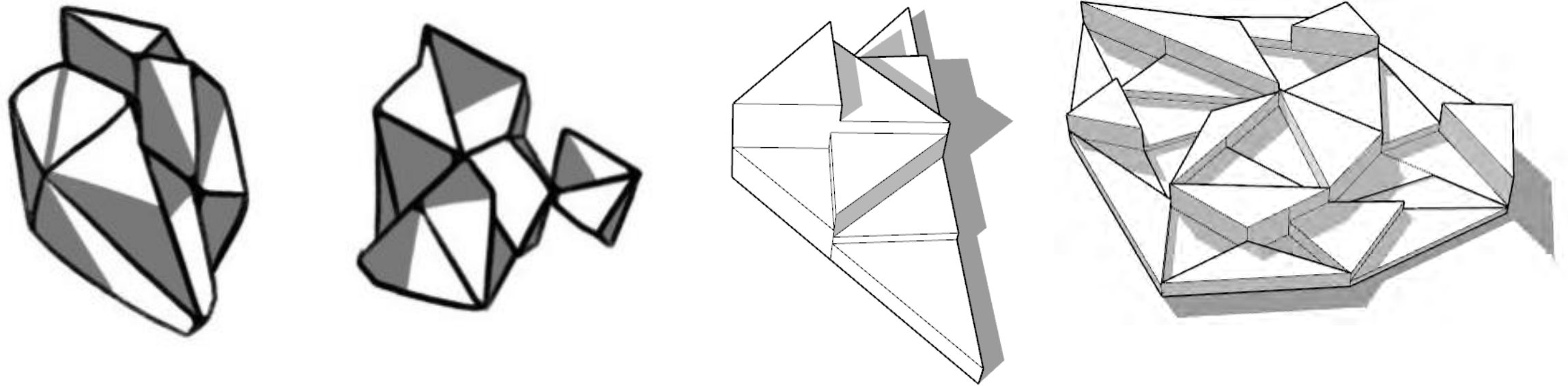
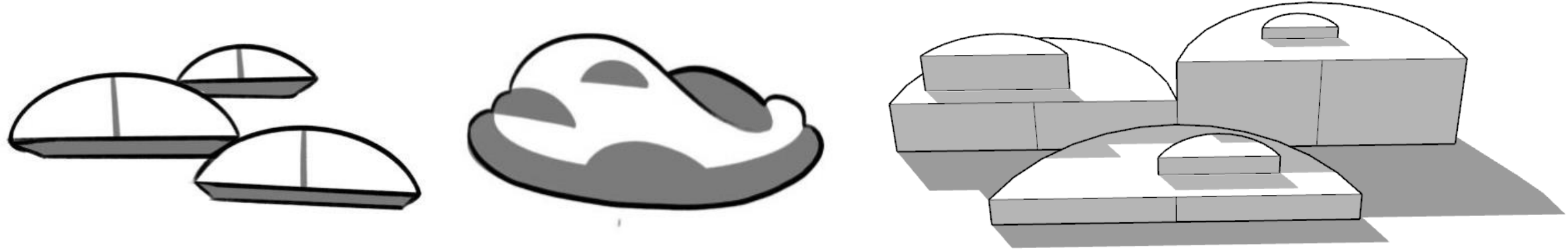
IDEATION Texture



ORIGIN THEME Frozen

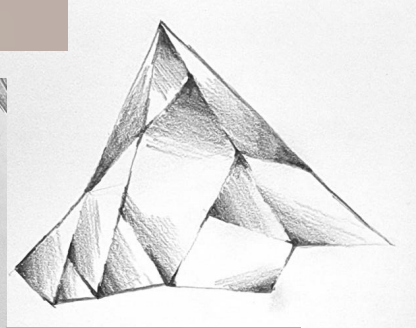
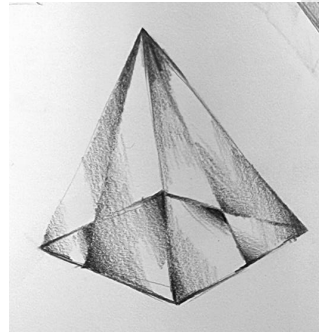
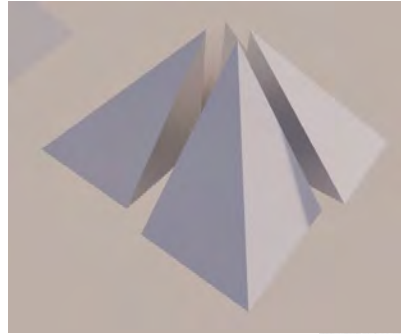


IDEATION Frozen



(Regeneration)

Texture Regeneration 1



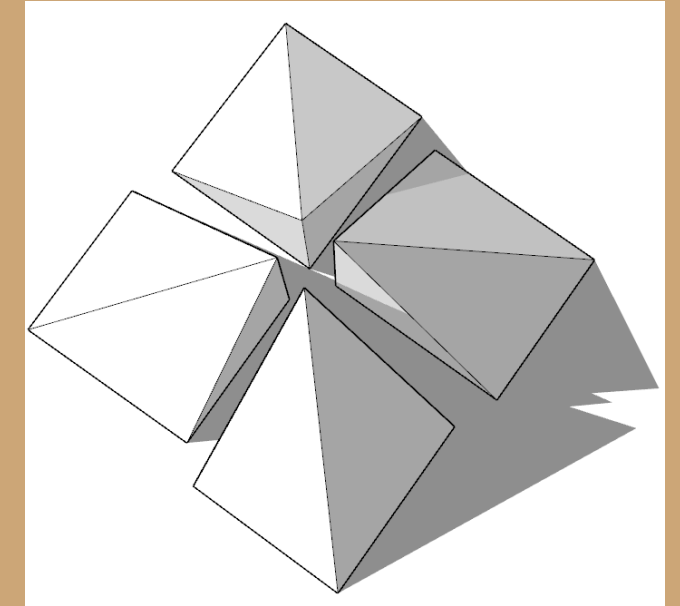
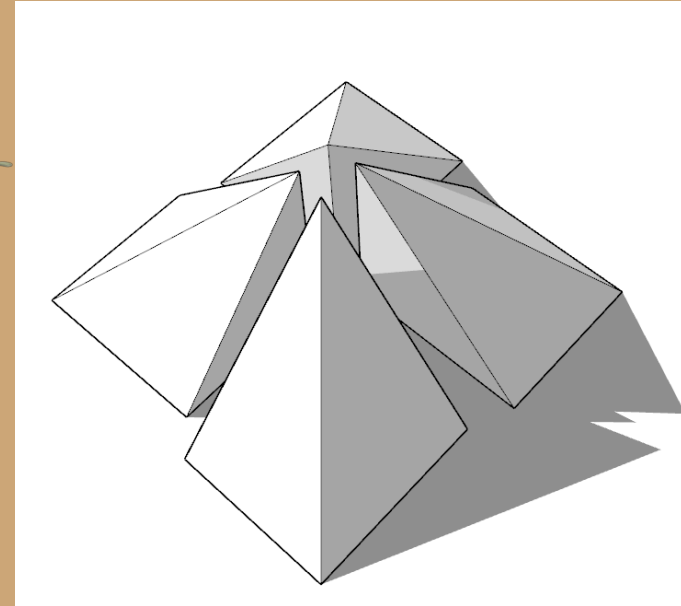
Texture Regeneration 1

This Regeneration of Iceberg has taken the sharp and uneven edges of the ice formation in order to create several different versions of a triangle.

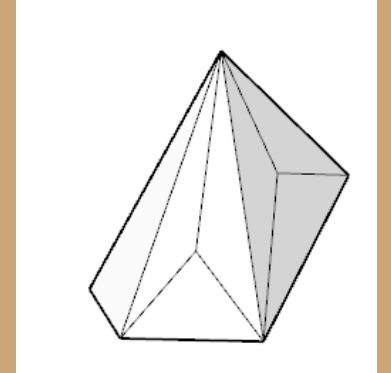
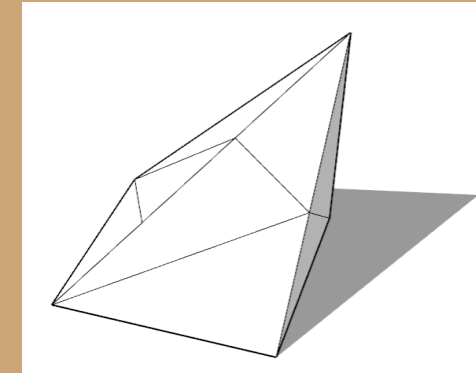
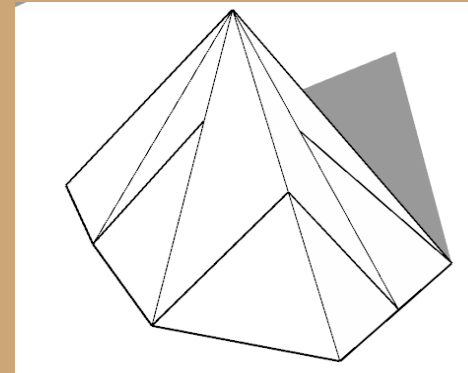
I have Broken up a large pyramid, combined several differently shaped triangles, and formed alternate forms.



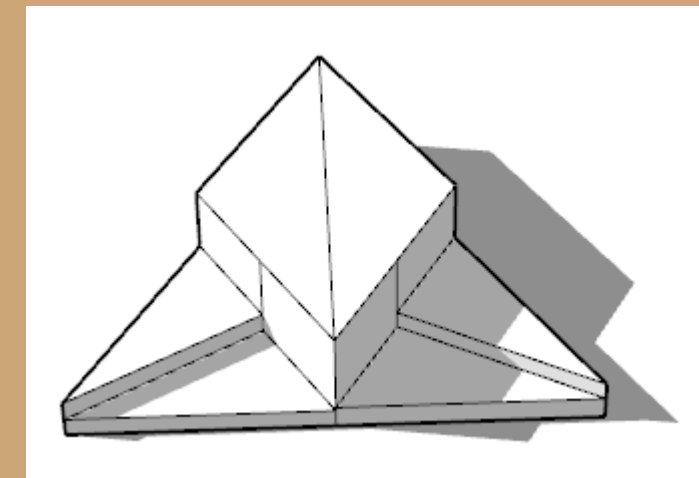
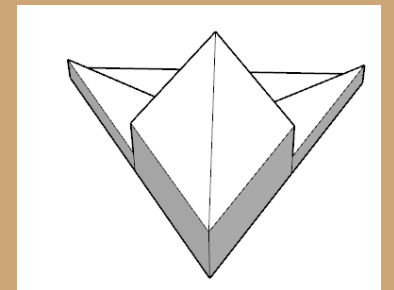
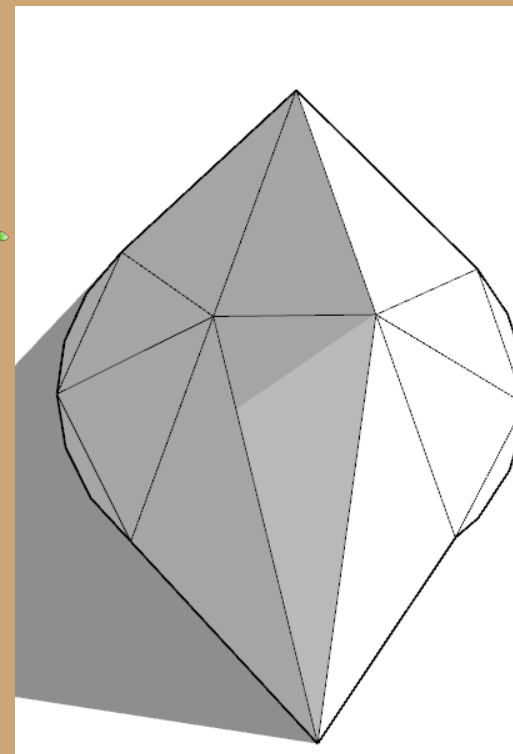
Broken



Combined



Different shapes



(Regeneration)

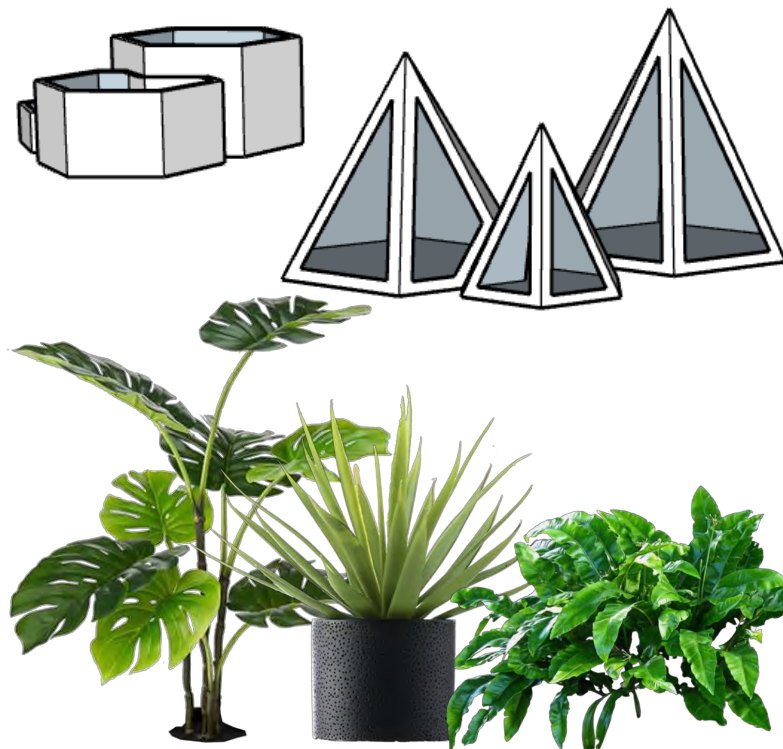
Texture Regeneration 2



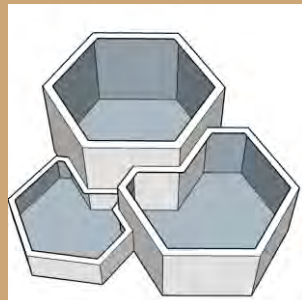
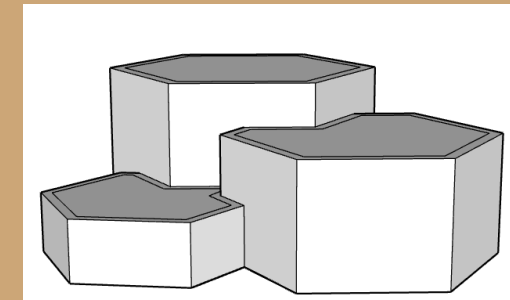
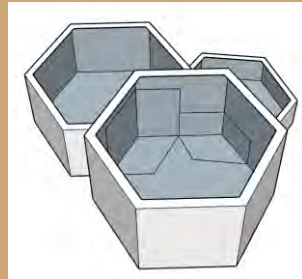
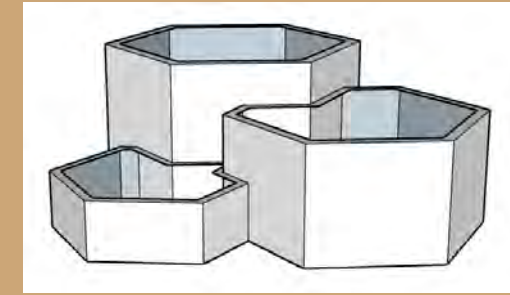
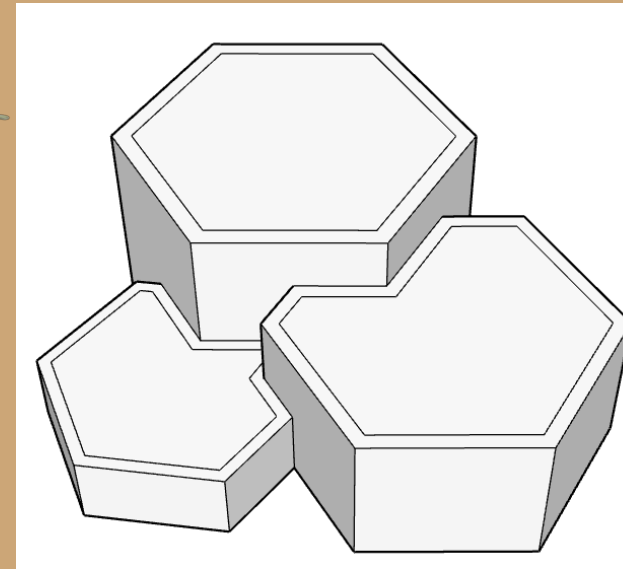
Texture Regeneration 2

This Regeneration of BeeHive has taken the symmetrical and hexagonal edges of the cavities in order to create several different versions of the hexagon..

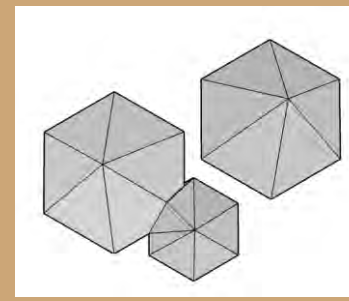
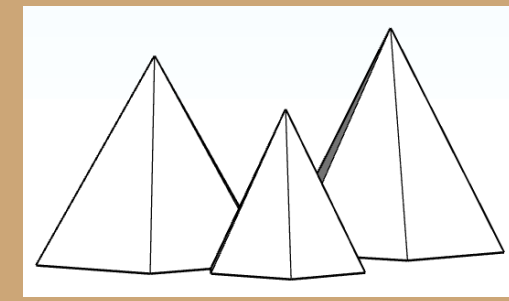
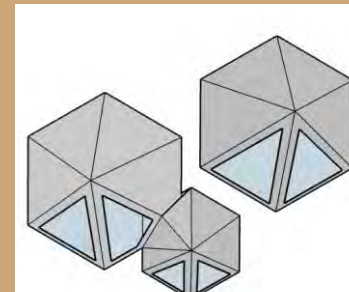
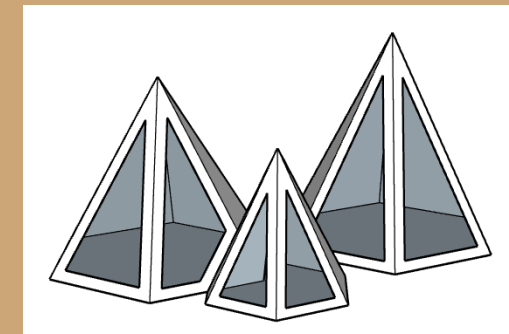
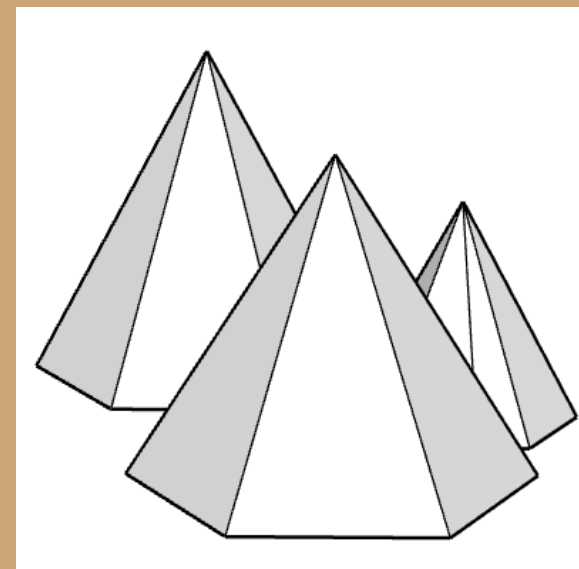
I have made a clumped hive shape, a pyramid with a hive base, and another form that uses the hexagonal shape of the hive.



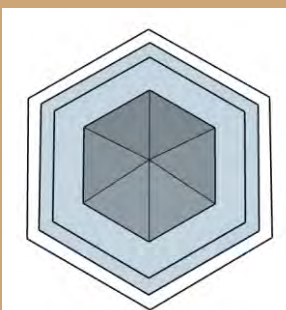
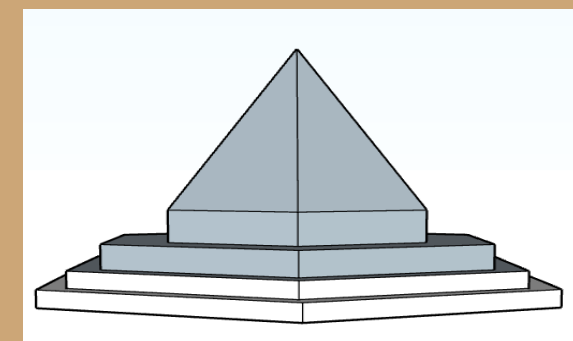
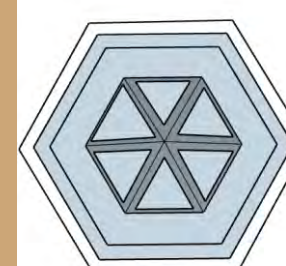
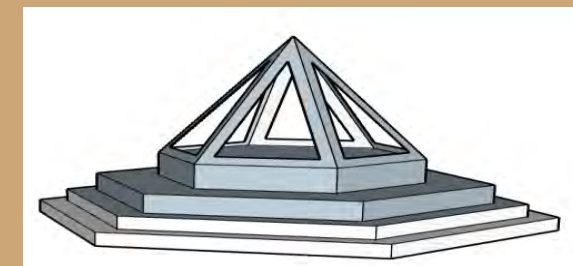
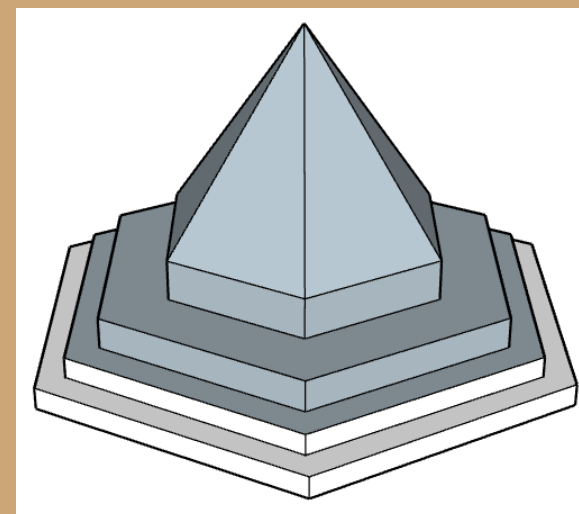
Clumped



Pyramid



Other



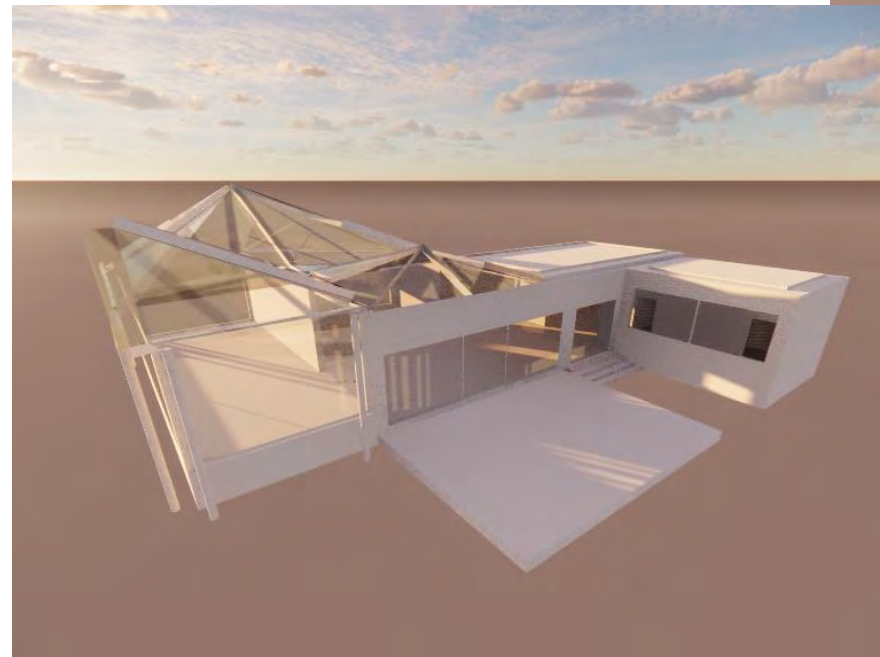
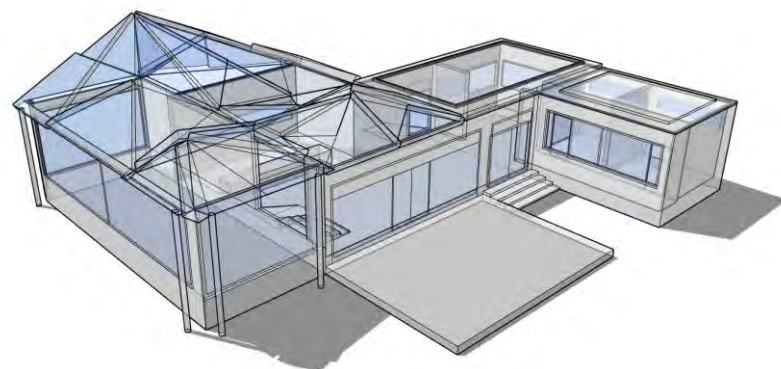
(Initial Ideas)

Initial idea 1



Ideation 1: Iceberg

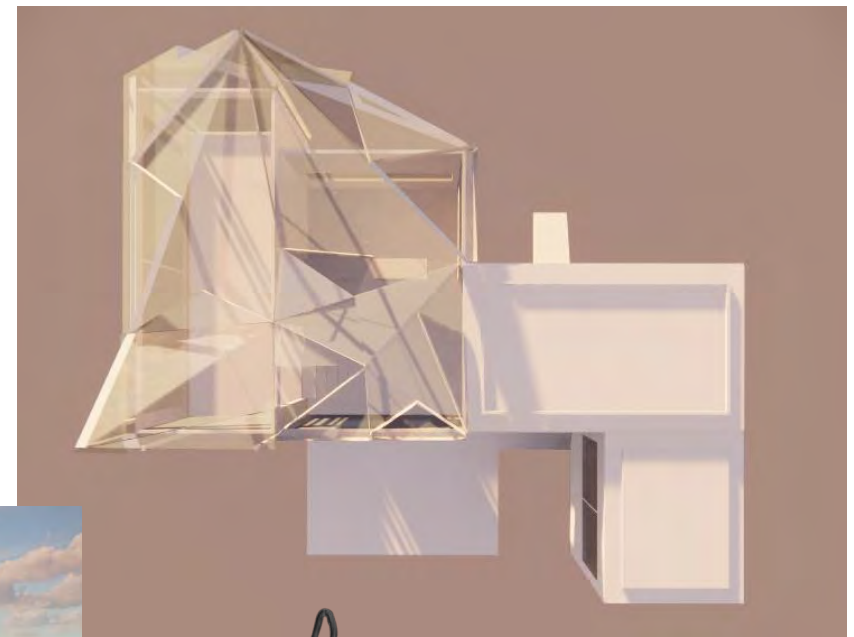
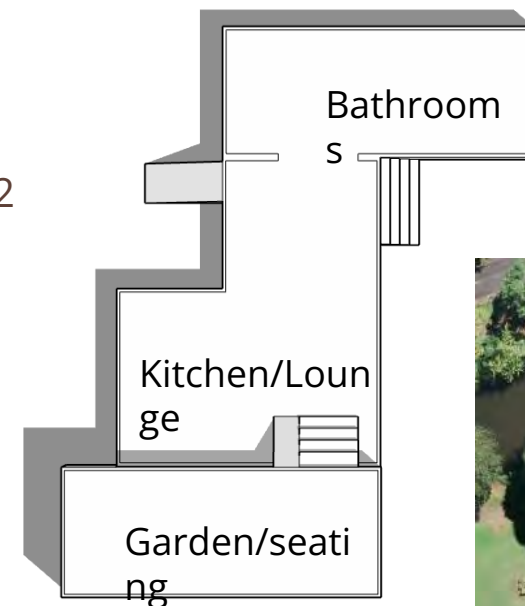
This ideation takes its roof shape from the top of an iceberg. The glass roof provides a abundance of sunlight during the daytime in order to minimise the cost of electricity for lighting. The shape is also unique, and creates an open feeling indoors.



Placements

The Cafe will have around 2 bathrooms, a kitchen/serving area and a lounging area with lots of surrounding plants for a greener healthier atmosphere.

Outdoors there will be a patio for customers to enjoy their meals outside and get some fresh air.



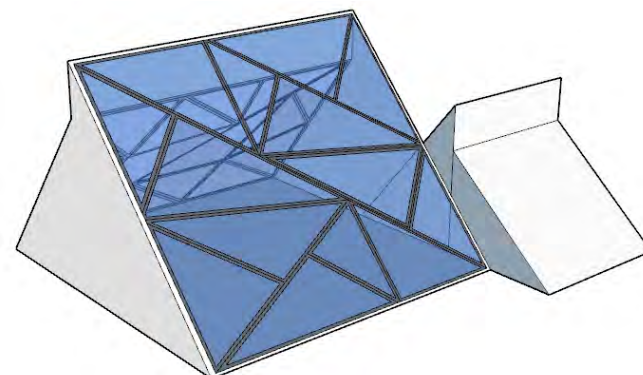
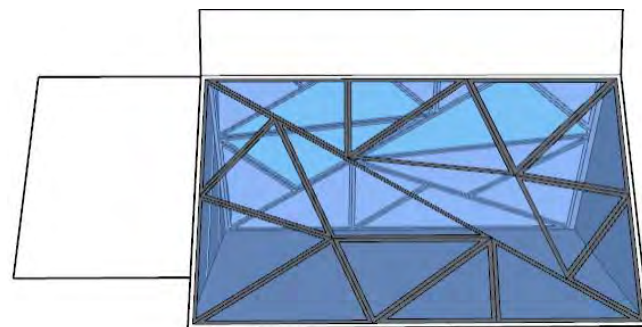
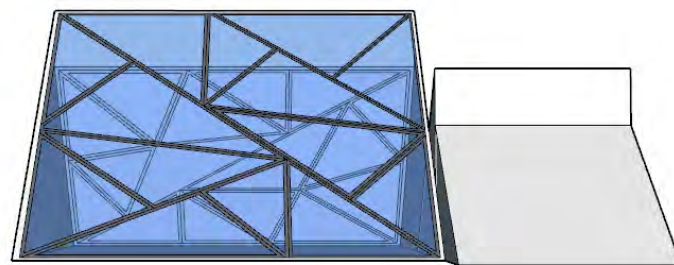
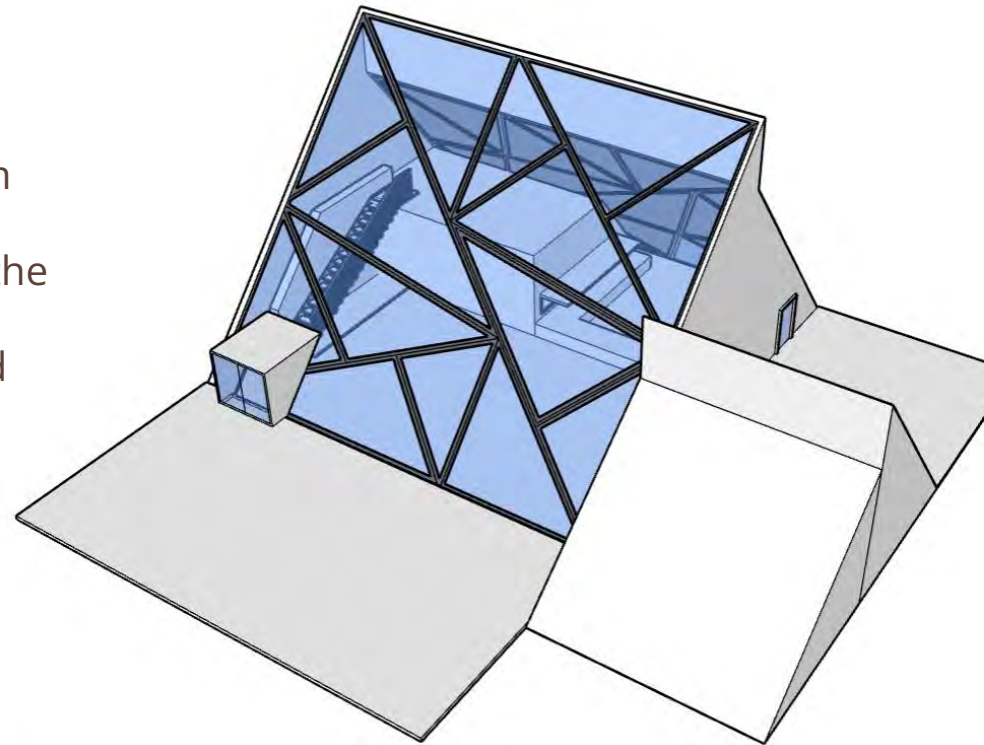
(Initial Ideas)

Initial idea 2



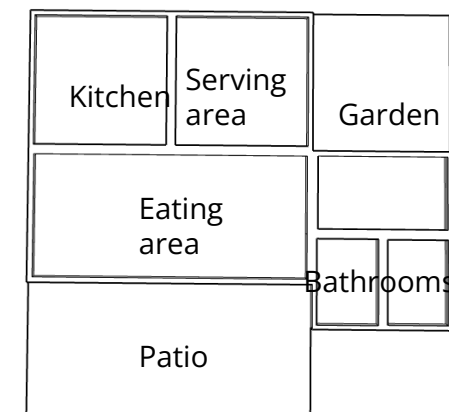
Ideation 2: Frost

This ideation takes inspiration from the frost formation. The triangular shapes are used in my ideation in the form of glass panels, where the panels imitate the different shaped frost. The Building itself is also uniquely shaped as it is two large pyramid based rooms to create a different look.



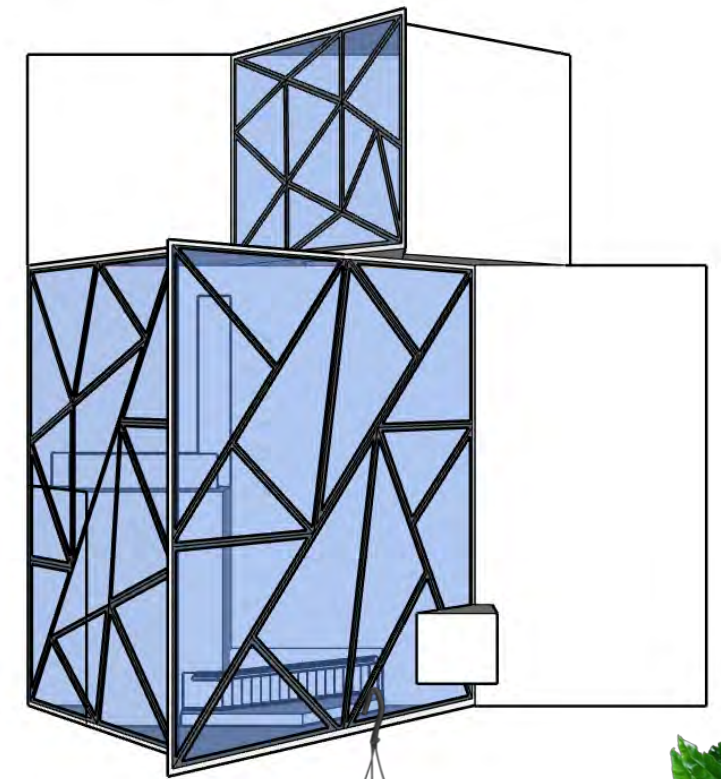
Placements

The building will have a kitchen area and bathrooms as the basics, and a eating area for customers to enjoy their meal. There is also optionally a outdoor patio, and a small garden for farming herbs, small veggies etc.



Chosen Idea

This building has the most practical shape and area of space and at the same time has a unique style to it. Therefore I am choosing this to develop for my building plan



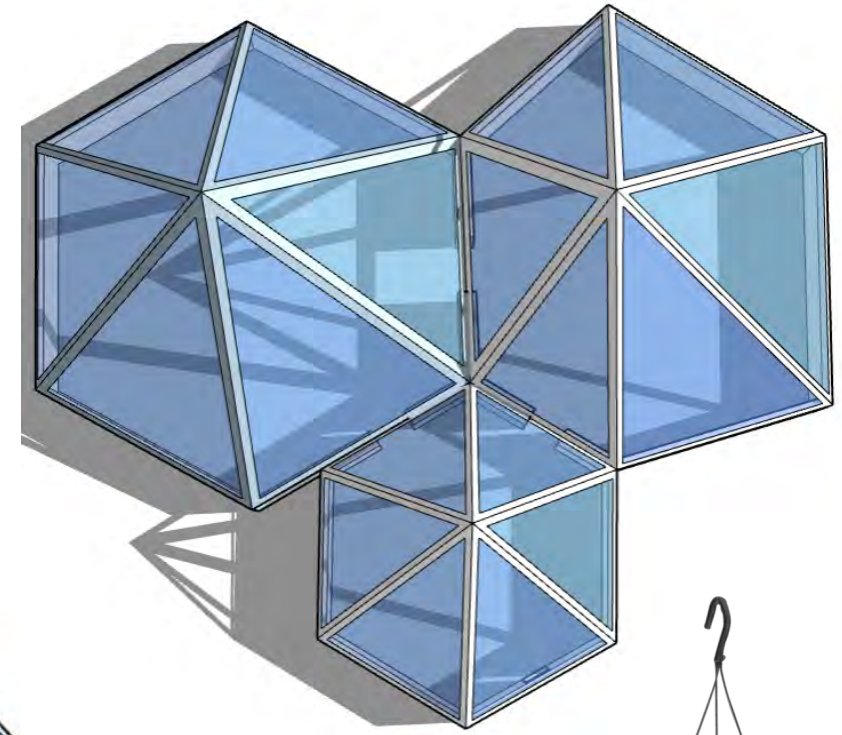
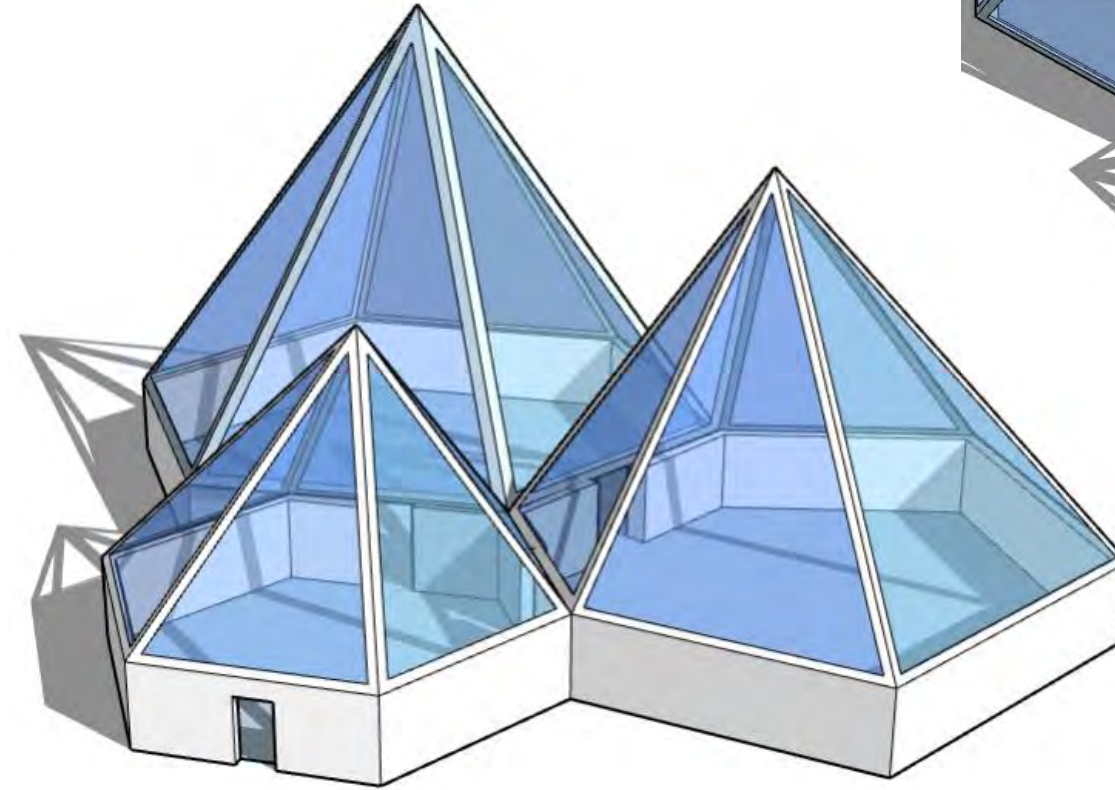
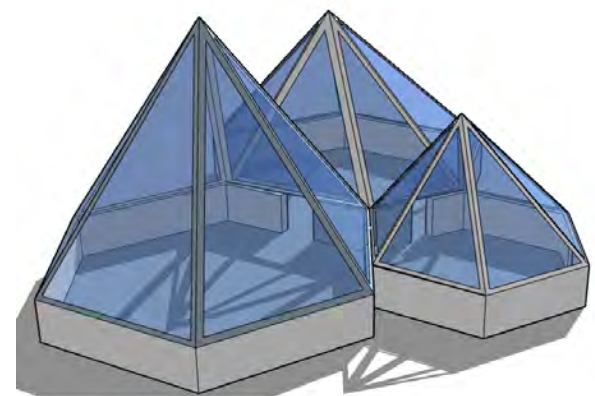
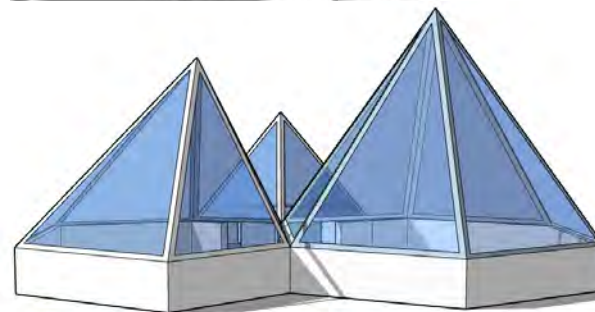
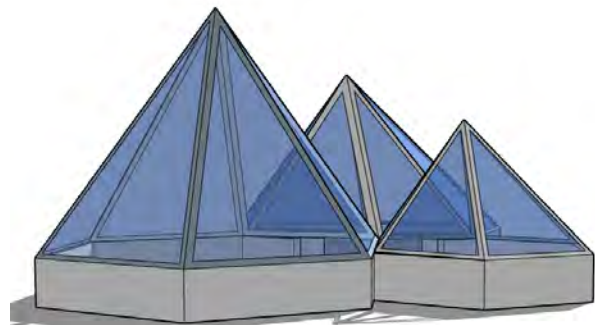
(Initial Ideas)

Initial idea 3



Ideation 3: Bee Hive

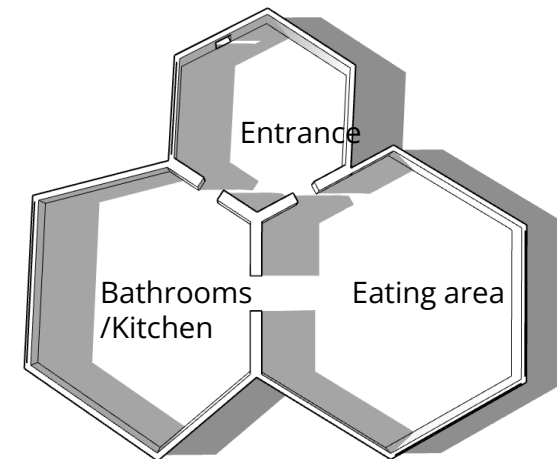
This ideation takes its inspiration from the shape of the beehive combs, I used the hexagonal shape for the base of the building, allowing a unique structure for my building.



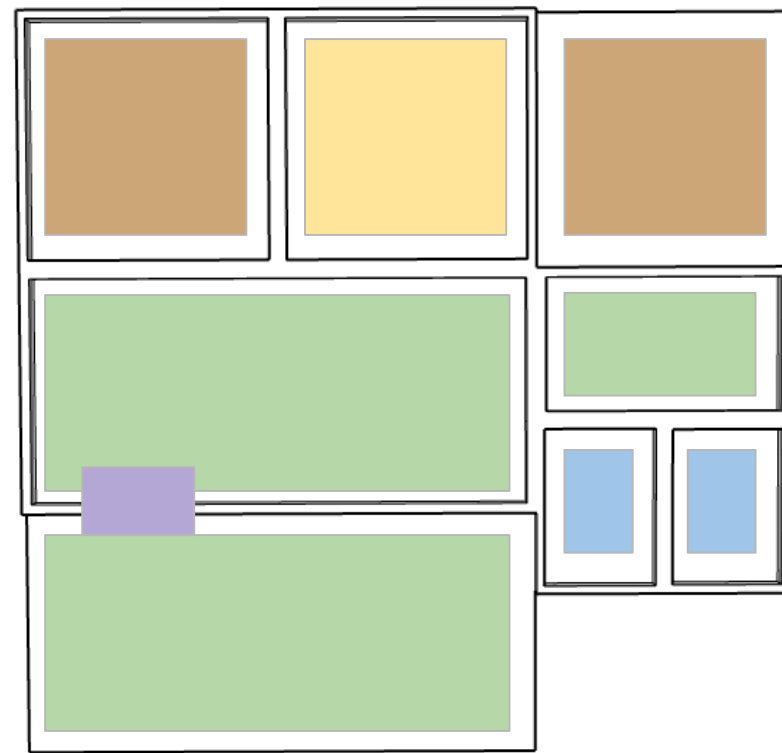
Placements

The cafe will have a large entrance with a seating area and plants, and there will also be a large dining/eating area for customers to eat their meals.

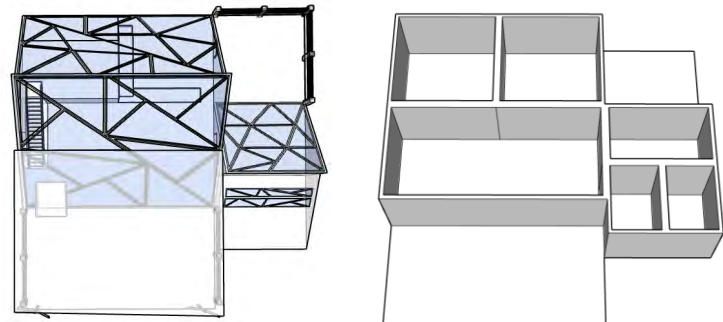
For the kitchen and bathroom, that is in the second largest sector next to the entrance and eating area.



Floor Plan Idea 2 (Initial Development)

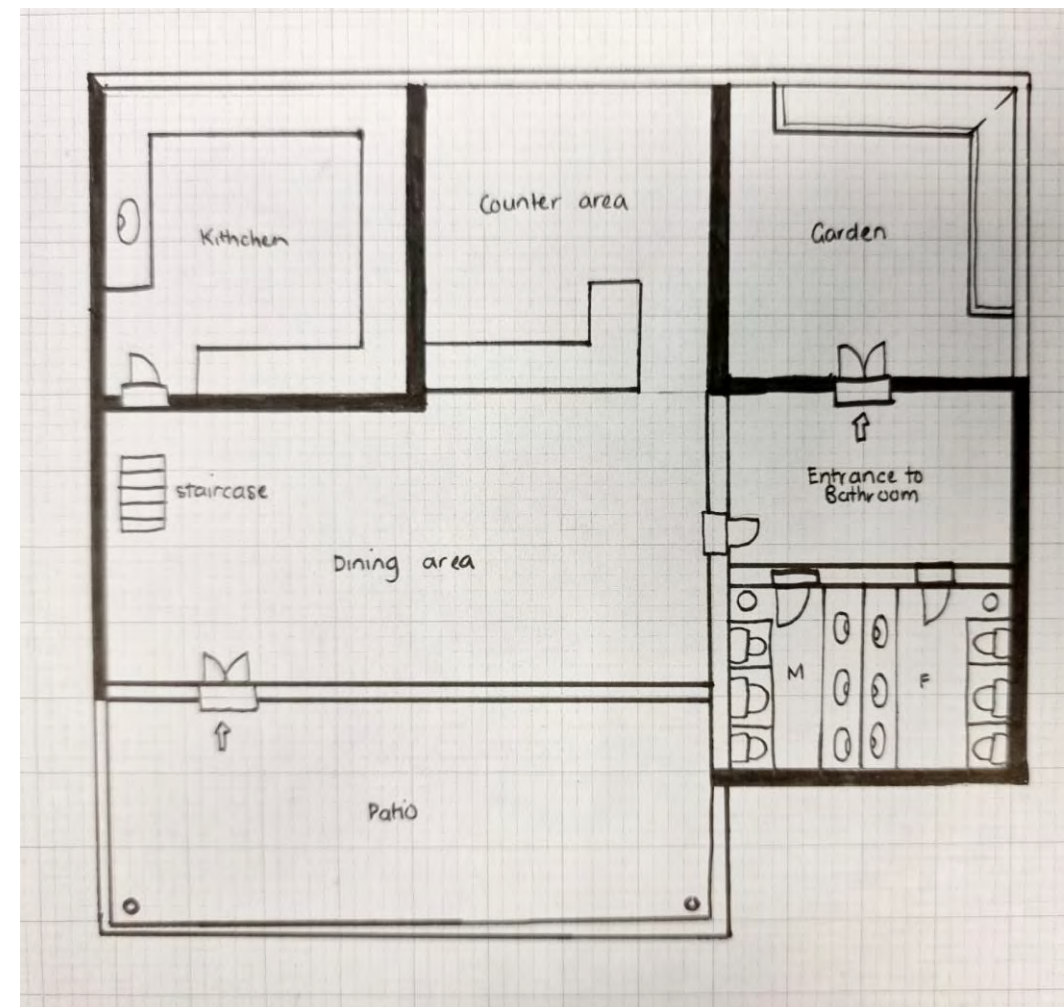
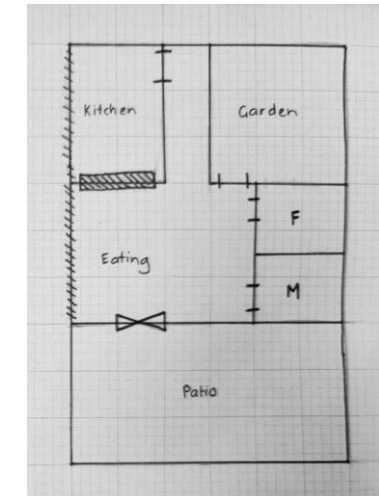
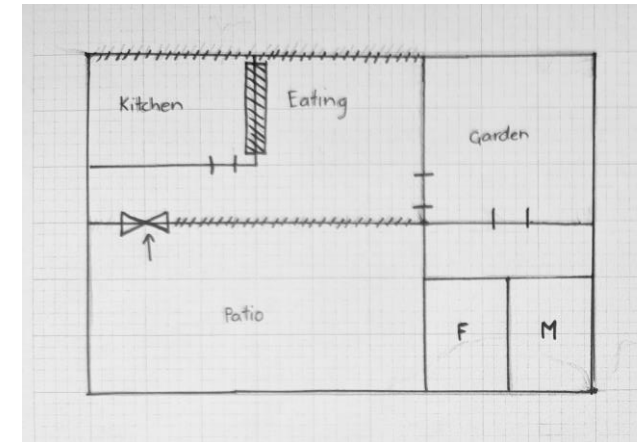
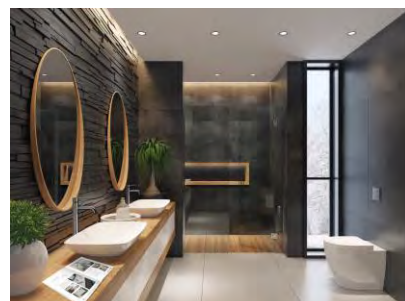


- Sitting/walking area
- Serving/Bar area
- Kitchen/prep
- Entrances
- Bathrooms



Origin theme

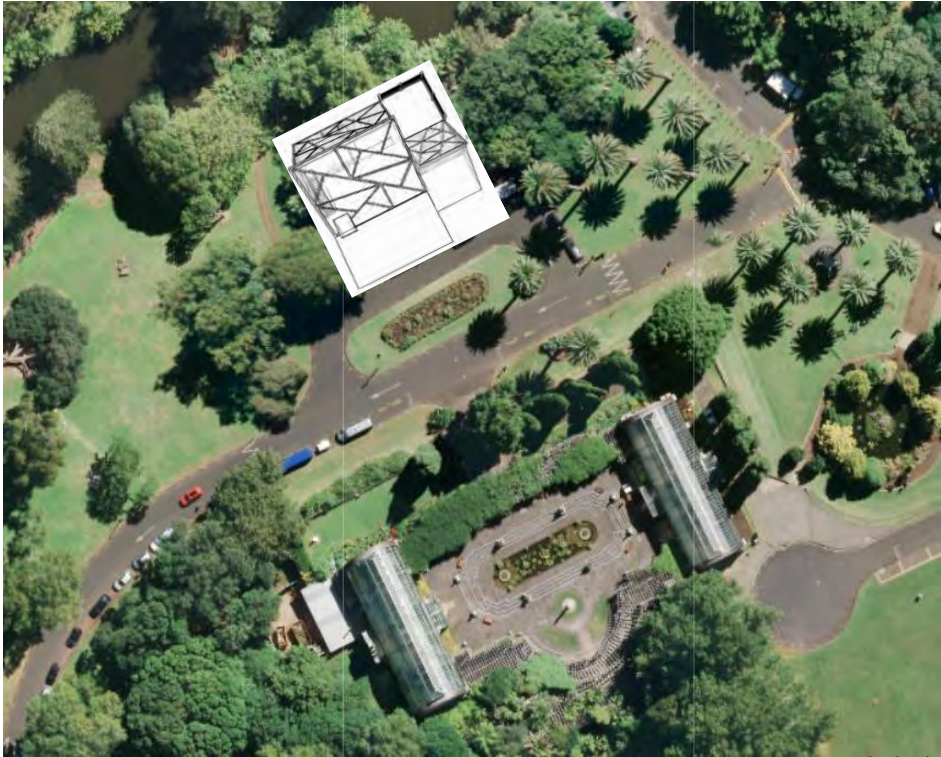
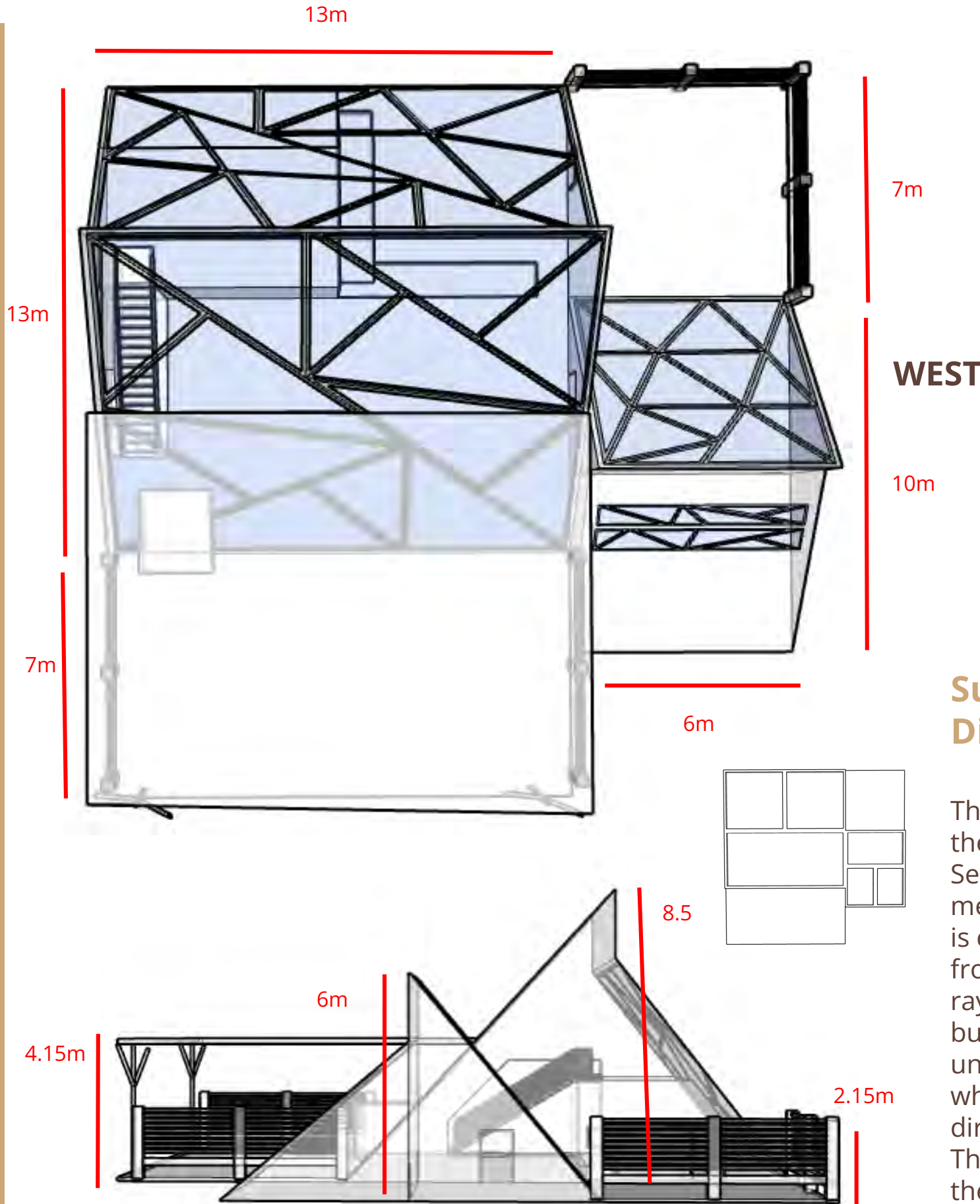
The roof of the building links back to the almost glass like effect of the glaciers and ice caps.



Placements

The main are will be the eating/patio area for customers to dine at. There will be a kitchen which is in between these two rooms in order for there to be easy transportation of food. There are also 3 Female and Male bathrooms and a Garden for herbs/veggies.

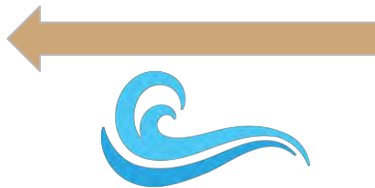
On Site (Measurements/Weather)



Sun Direction

The Sun rises in the East and Set in the North meaning there is coverage from the UV rays for this building up until midday when the sun is directly above. This means that the sunshine is optimized.

SOUTH



Heaviest Wind Direction

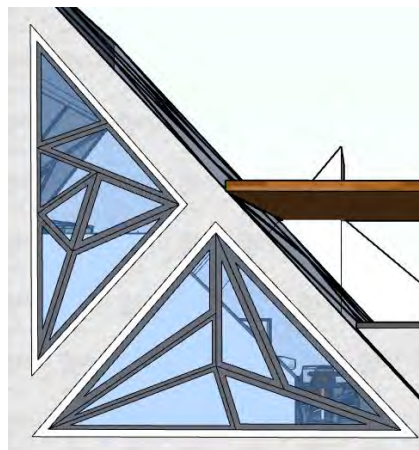
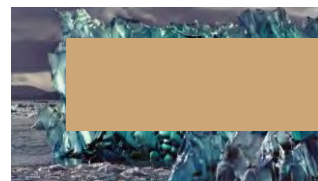
Since to the East there is little to no buildings and a large acre of field, the wind is able to blow the strongest from this direction. This is slightly minimised by the trees which surround the Garden Cafe.



Added Patio roof

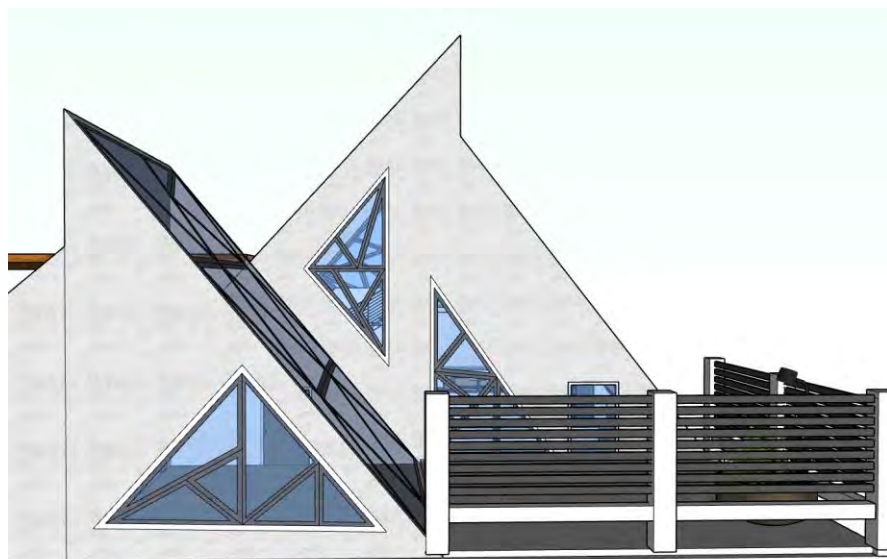
Since the Rays are hot from the sun above, i've added a patio roof in order to protect the customers against UV rays.

The Patio roof also allows some shade for the inside of the building, as the triangular shape lets some of the indoor space share the shading from the outdoor roof.

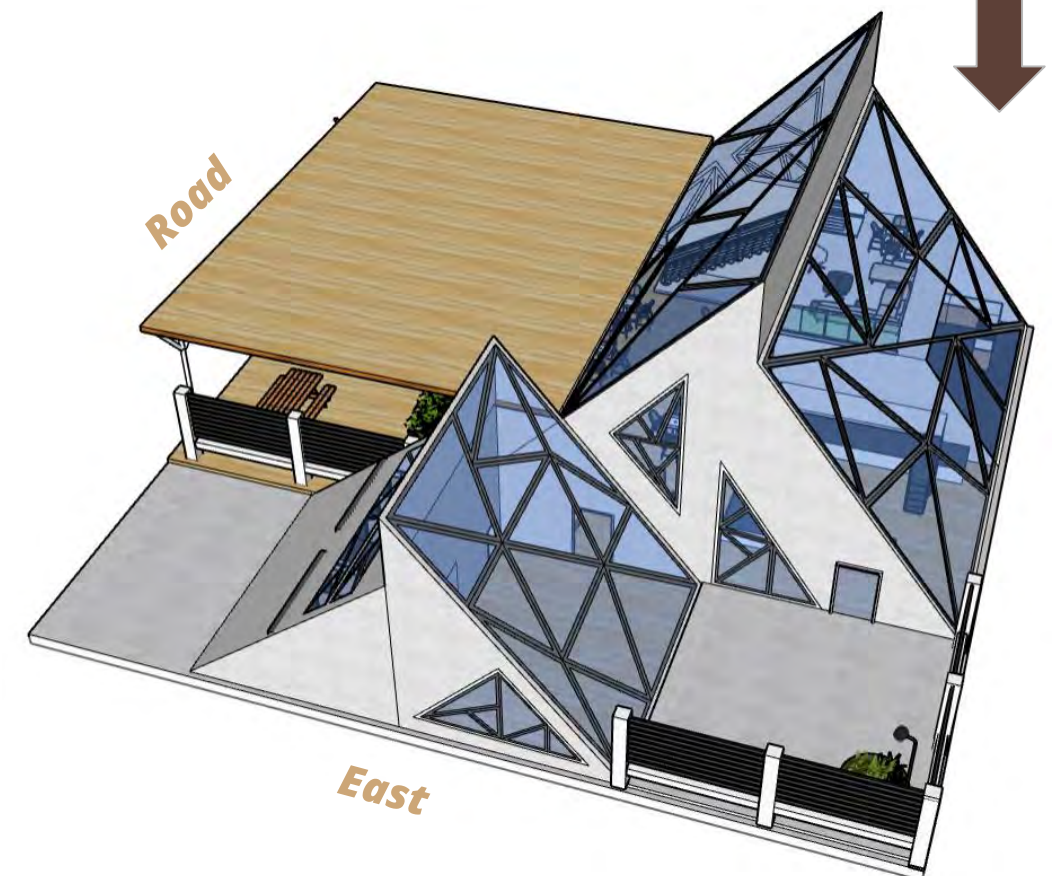
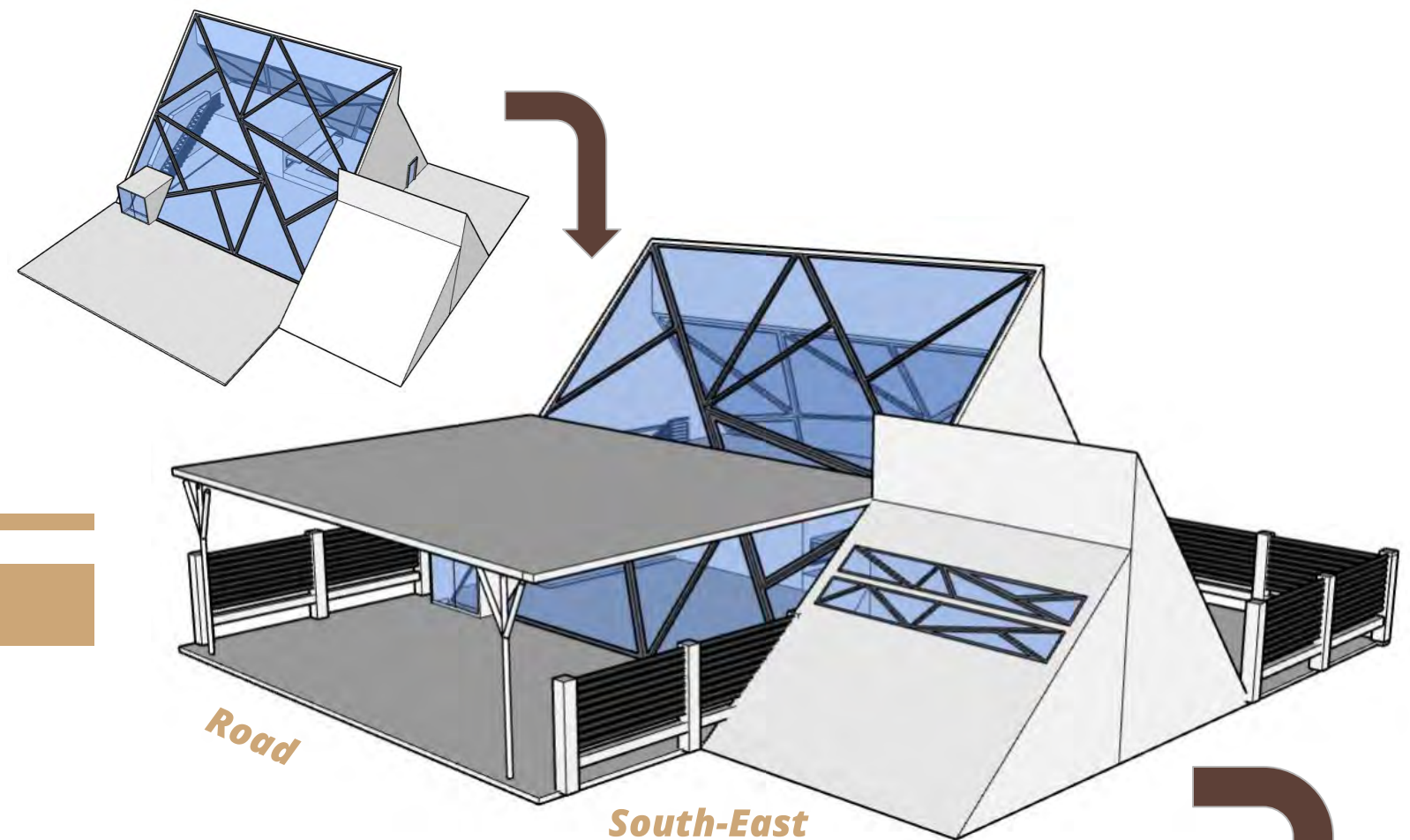


Side Windows

In order to extend the amount of natural light received in the building, I've added side windows in the same glacier inspired shape.



Development (Exterior Form)



Better Patio roof view

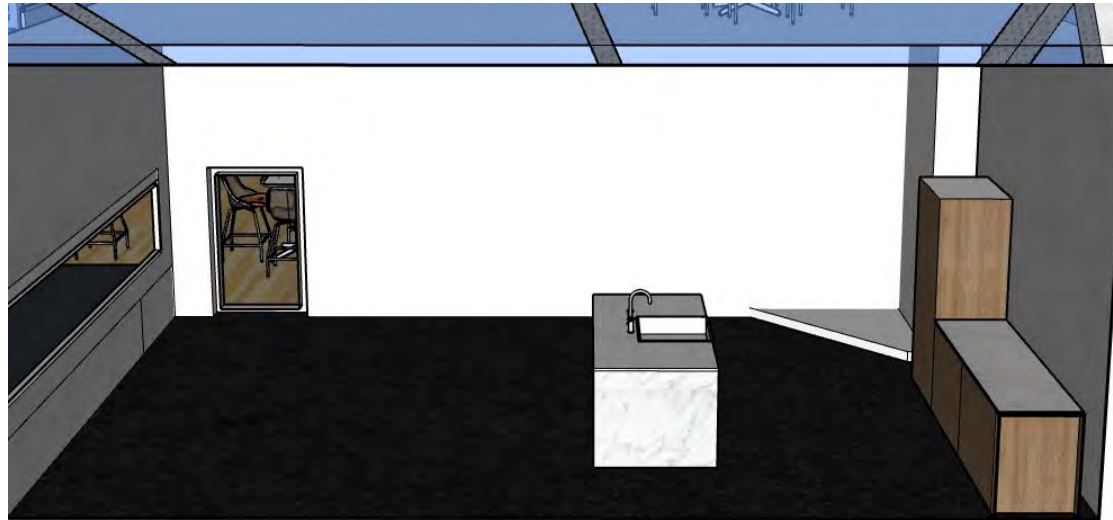
Birds eye view of the development of the patio roof which has been enhanced.

Development (Materials Indoors)

Tiling

Tiling provides an easy to clean surface for grimy areas such as the kitchen and bathroom.

They don't build up dust and dirt, support mould or mildew. Easy to maintain: Tiles are easy to clean, often only with warm water, eliminating the need for chemicals and cleaners needed to maintain other types of floors. Water-resistant.



Wooden Flooring

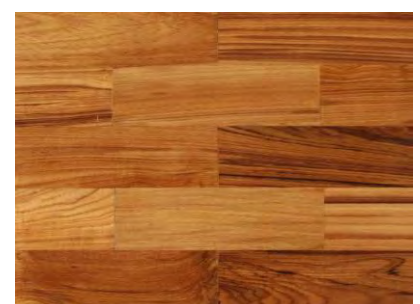
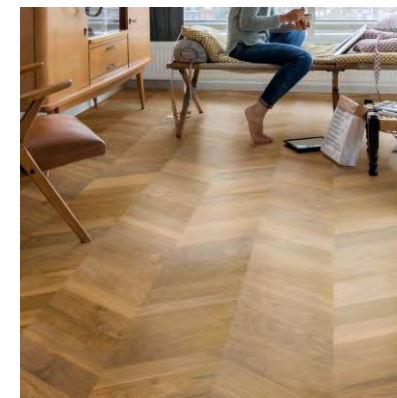
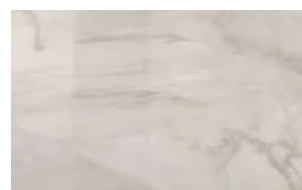
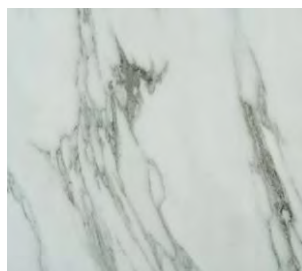
Wooden flooring would match the blue tones of the glass and bring colour from the plain concrete.

Wood floors whether solid or engineered are highly durable and resistant to every day wear and tear. Due to them being natural products they hold the warmth much better than any man-made laminates, tiles or stone floors so under foot they are much more comfortable, especially in the colder months of the year.

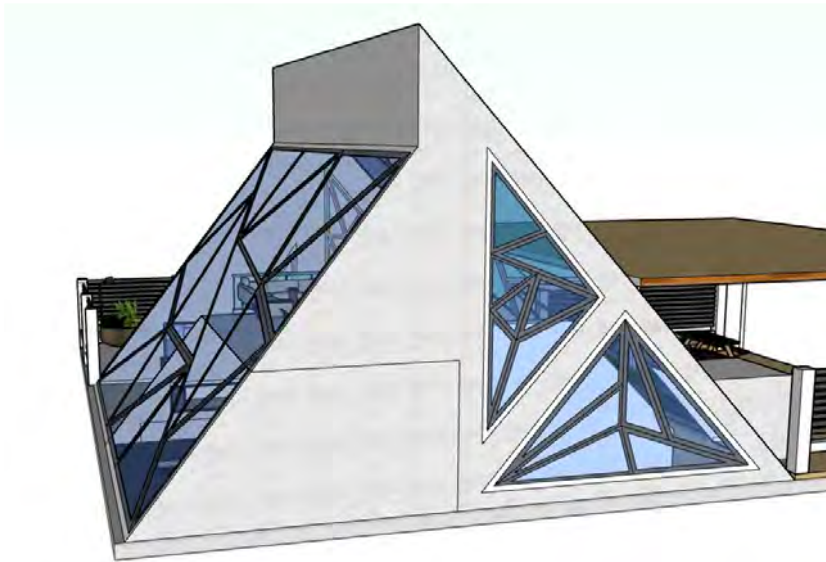


Marble flooring

For the areas such as the second floor loft, the flooring will have smooth marbling in order to create a sleek look.



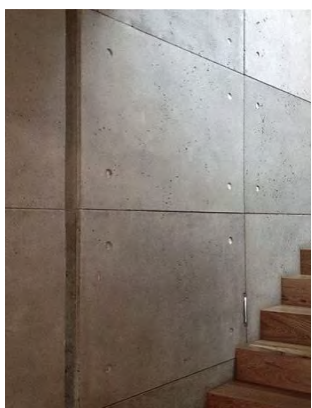
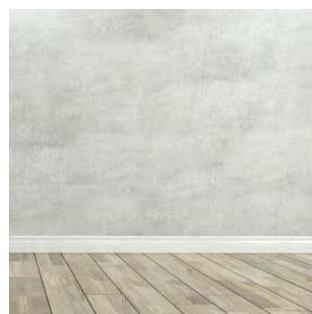
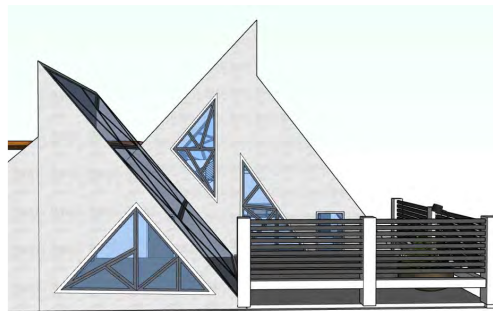
Development (Materials Outdoors)



Double Glazed Glass

One of the reasons this building ties so well into the theme is the similarities to an iceberg or ice cap. This can be imitated with the usage of glass in the triangular shape.

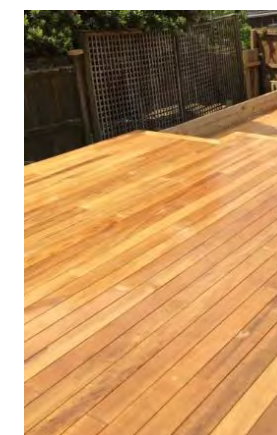
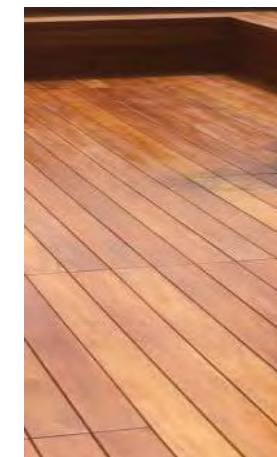
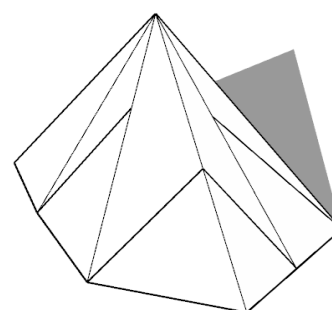
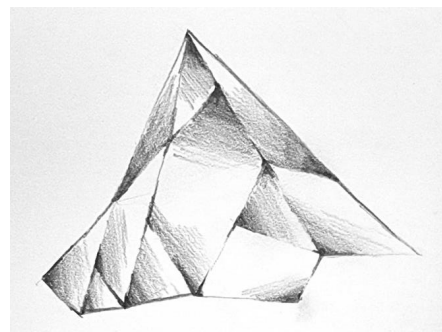
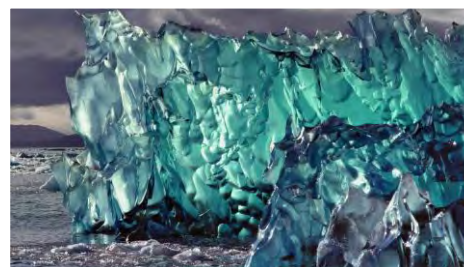
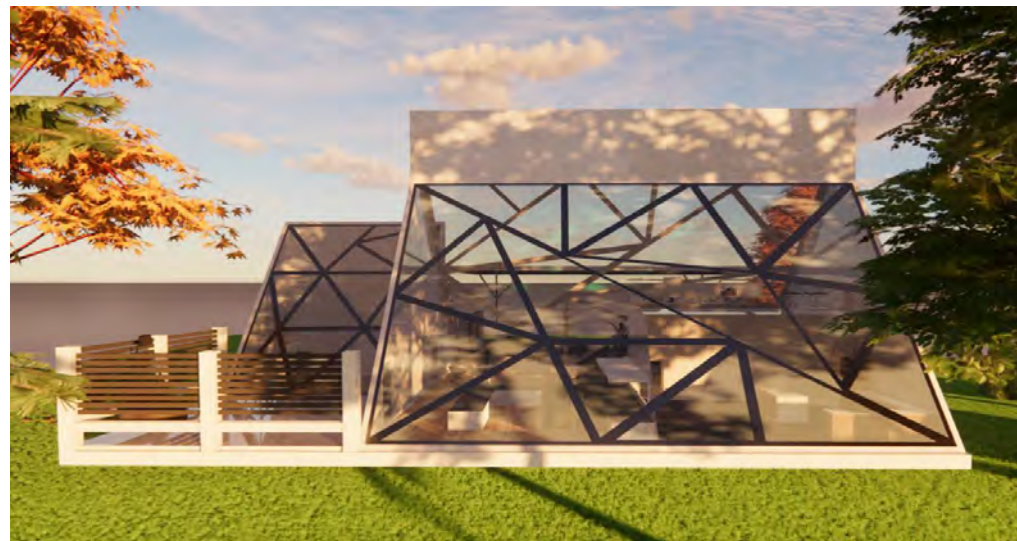
Less condensation – Double glazed windows reduce the amount of moisture on your window panes, as the airtight seal prevents the condensation from building up.



Concrete

By using concrete walls, it allows the building to maintain its cool temperature during the summer and warmth during the winter.

Concrete is durable – it resists weathering, erosion and natural disasters, needs few repairs and little maintenance, adding up to a solid investment.



Wooden Decking

Wooden decking allows a natural coloured tone to the outdoor exterior as well as providing a suitable sturdy material.

The Material's Strength and Durability. Another reason for you to opt for wood decking is because of its strength and durability.



Lighting (Materials)

Indoor Lighting

Pendant lights:

In the interior, there will be dangling pendant lights to illuminate the rooms, this will help with the rustic plant cafe atmosphere.

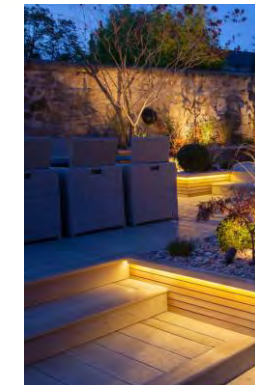
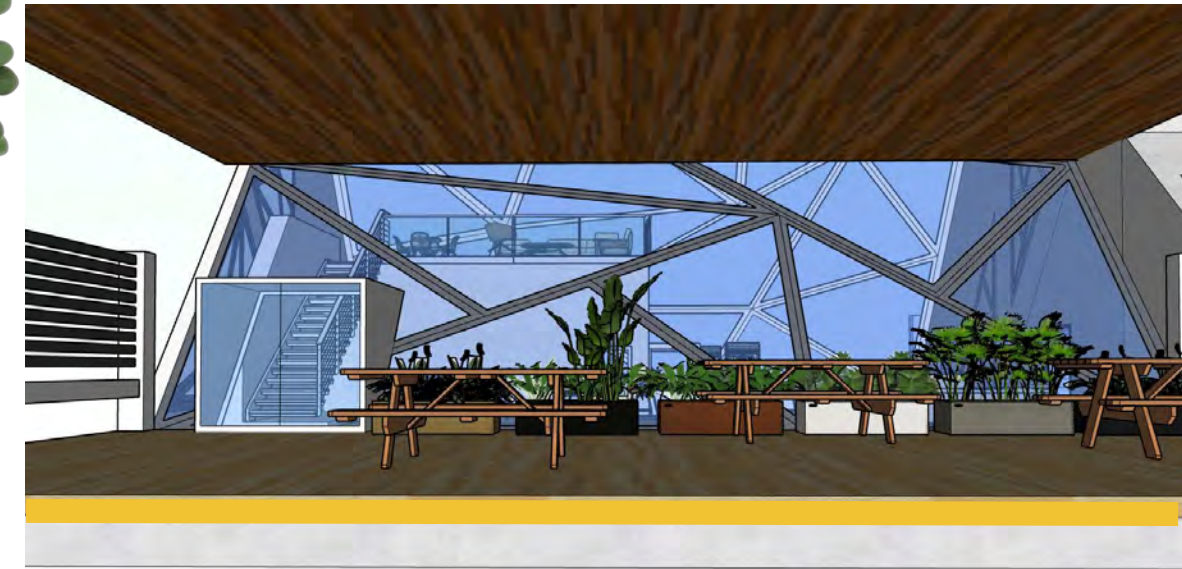
I want the customers to feel drawn to the cafe on sight, with its warm yet modern feel to it.



Minimalist lighting:

I will also add minimalist lighting to the interior to enhance the brightness secretly. An example would be lighting below tables and shelves as shown to the right >

This will give customers a warmer feel without noticing where the source is from.



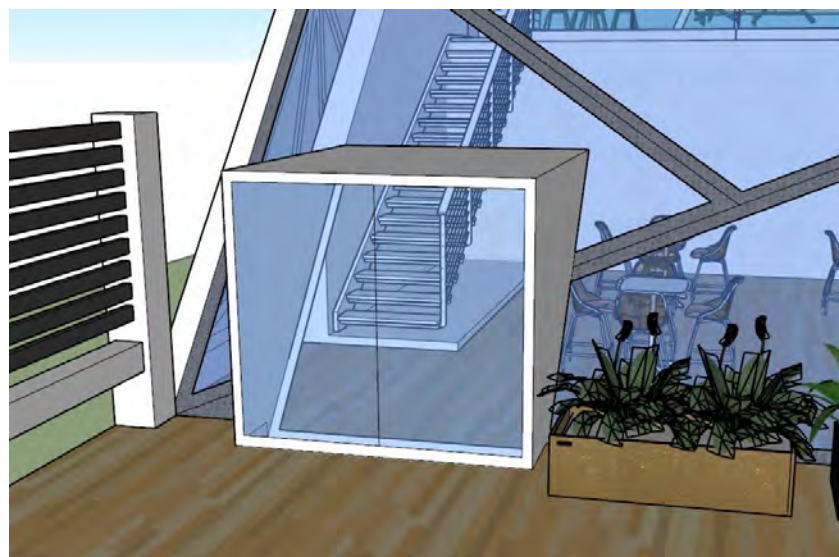
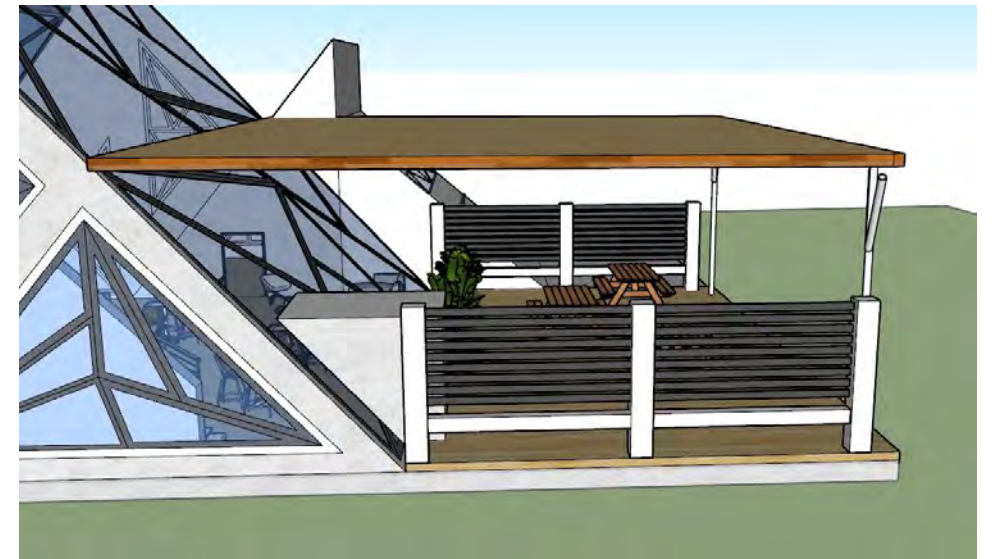
Outdoor Lighting

Under Lighting:

For the outdoor patio lighting and surrounding the building, there will be lowkey lighting around the underneath of the deck and concrete to create a soft illuminated area to make the cafe stand out when it gets darker.



Patio area (Entrance)



Front Door

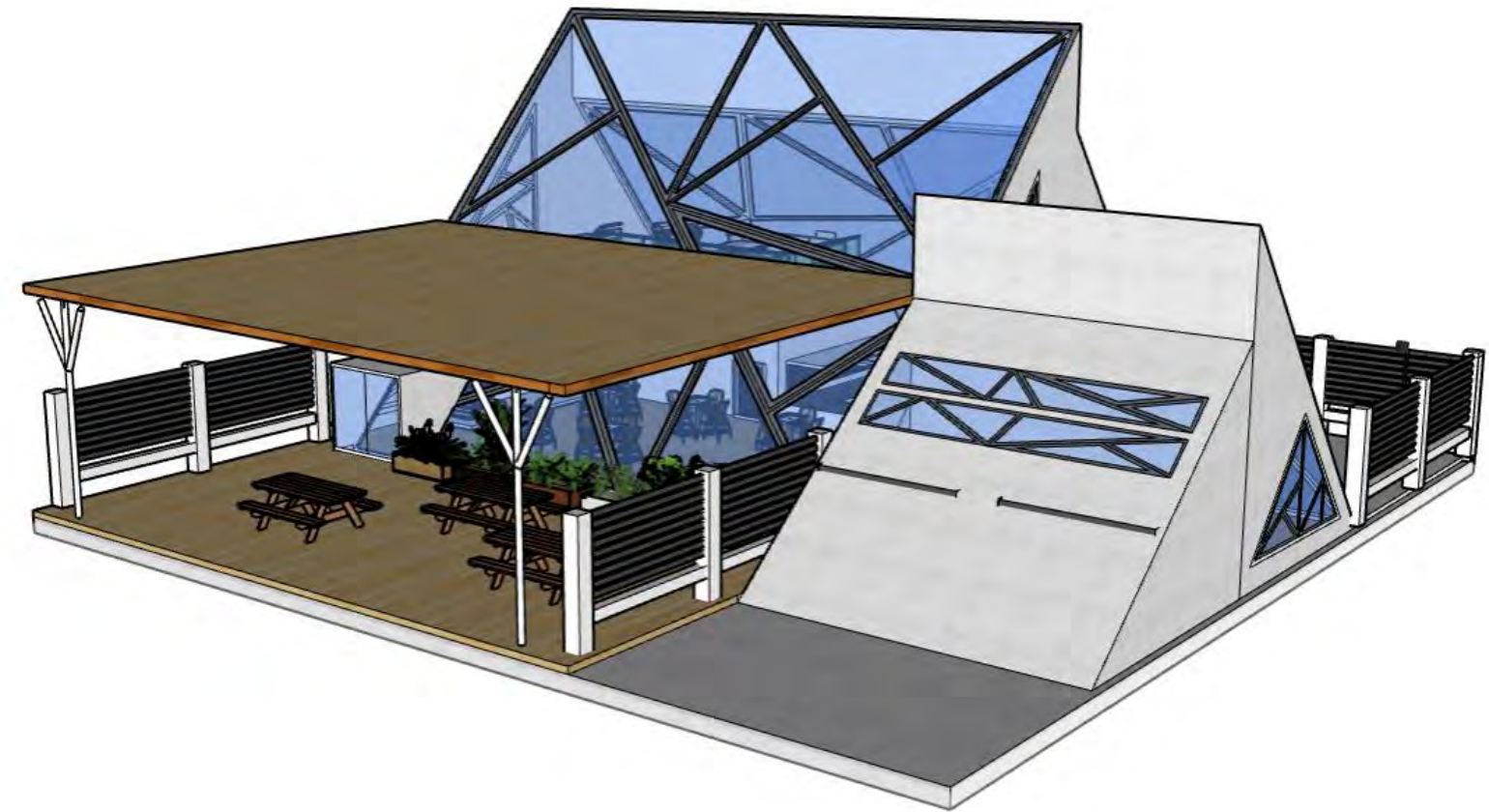
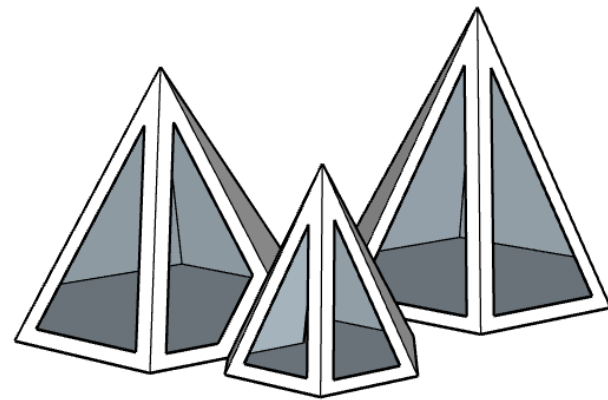
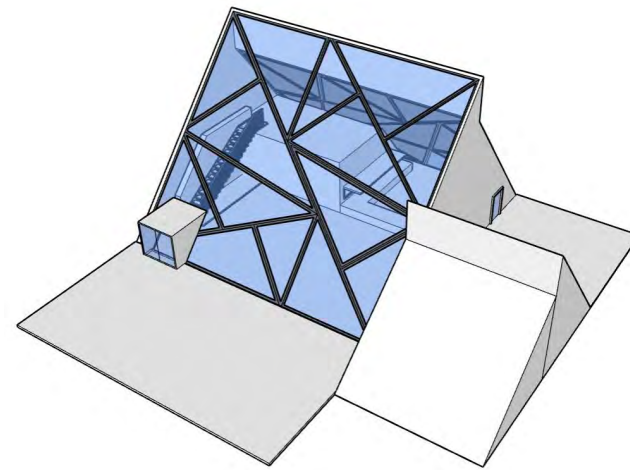
The front door must be large enough in contrast to the building, while having enough space for accessibility and function.

Black Fencing

I wanted the patio to feel like an outdoor room rather than an open space, so I've added black fencing in order to make the area feel more box-like and cozy.

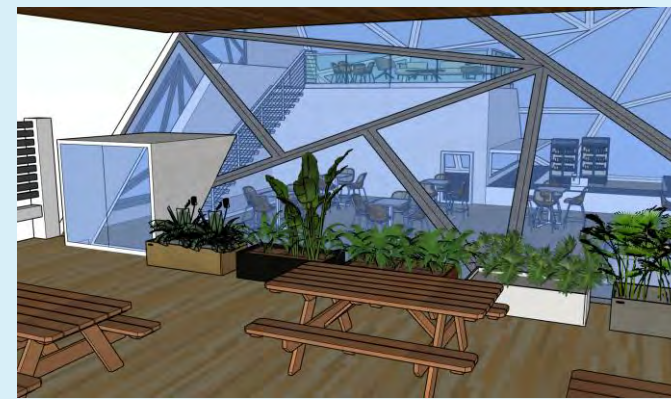


Final Building(Exterior)



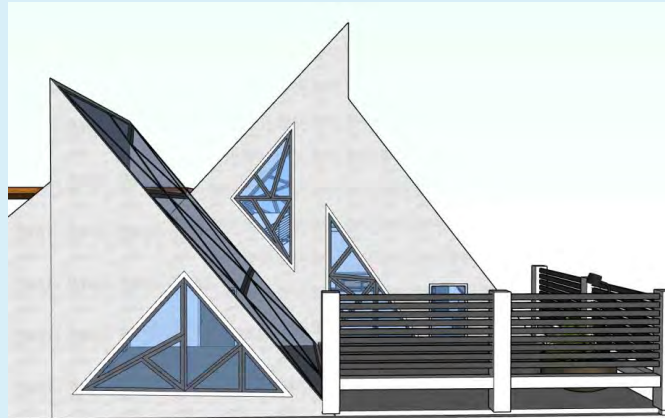
Inspiration

The main inspiration of the Wintergarden Cafe is taken from the glaciers in colder parts of the world such as Antarctica and the Arctic. This creates an interesting shape for the glass panels.

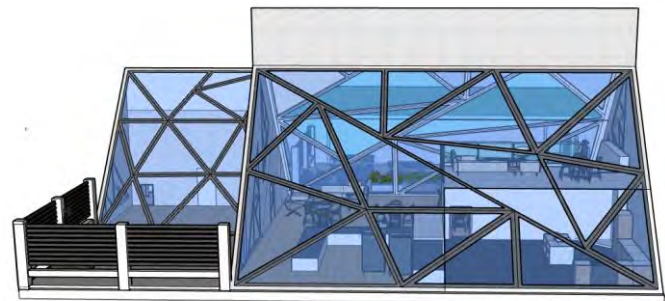
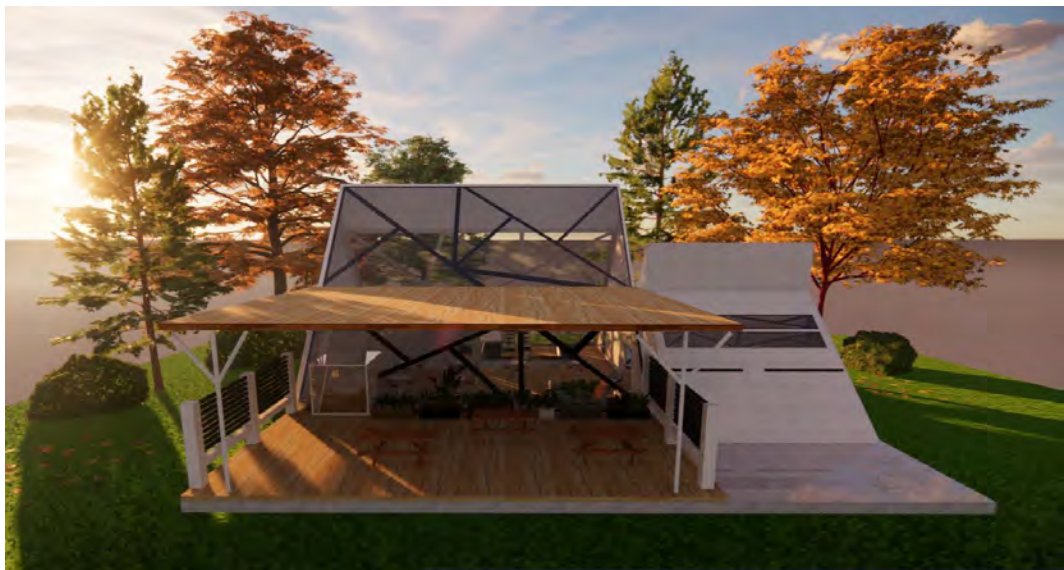
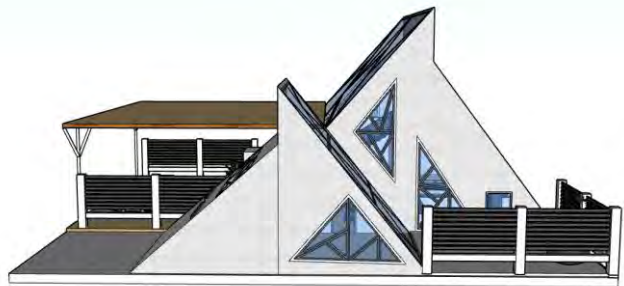
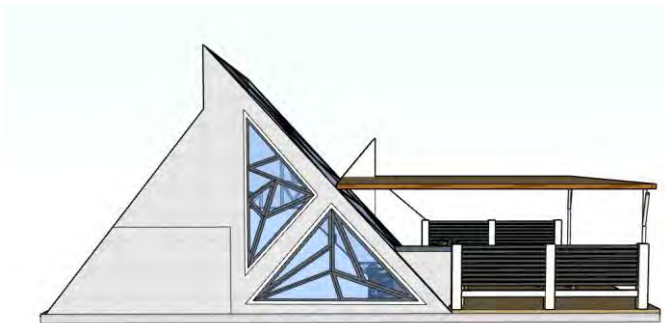
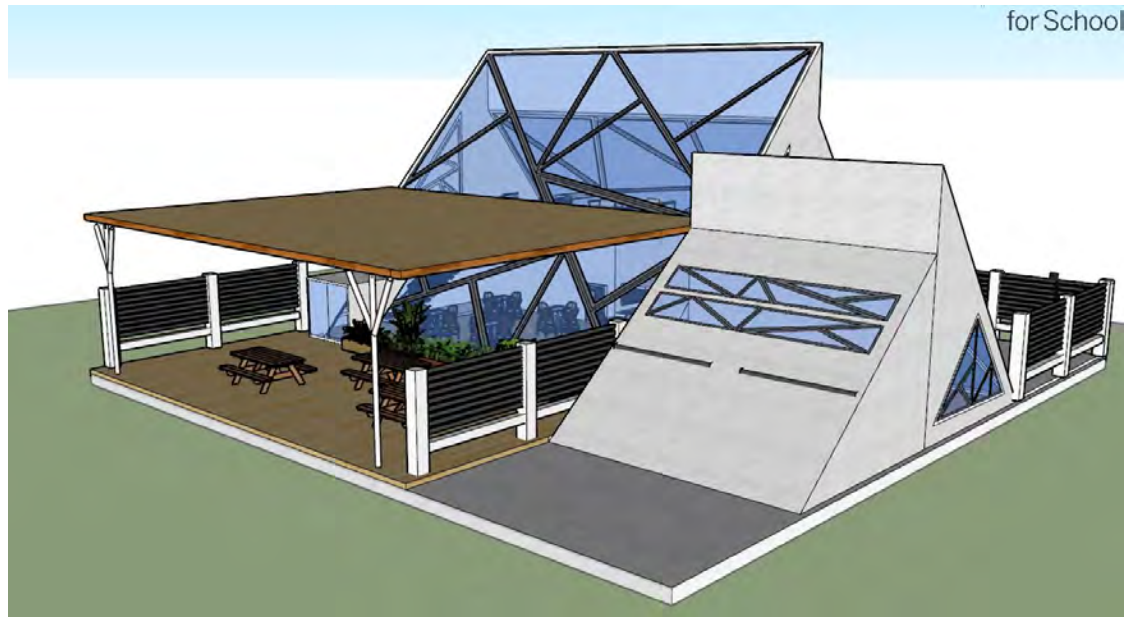
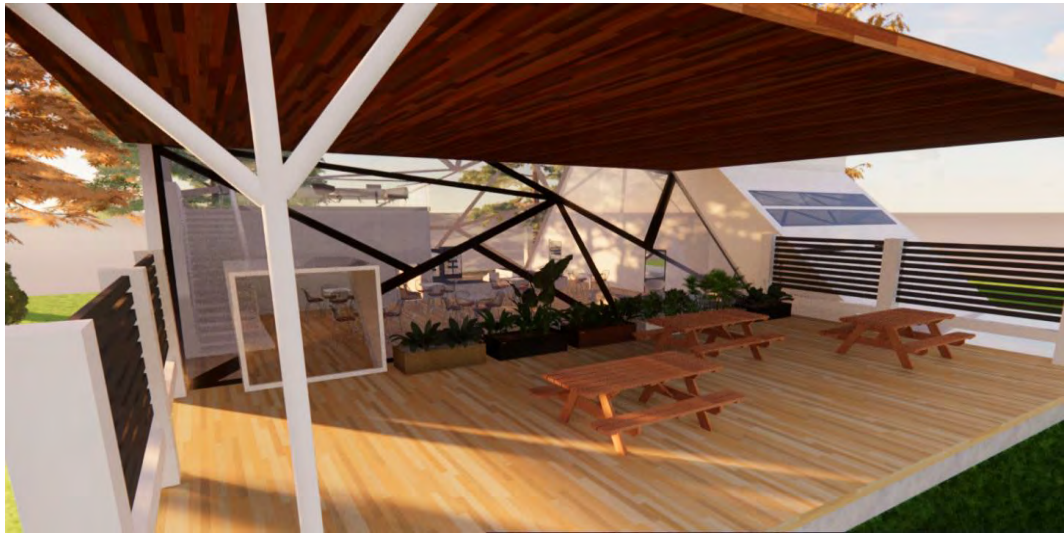


Triangular Glass

The exterior has a triangular shape similar to the Iceberg in order to maximise the amount of sunlight received so less artificial lighting needs to be used. This idea relates back to my ideation theme.



Final Building (Exterior rendered)

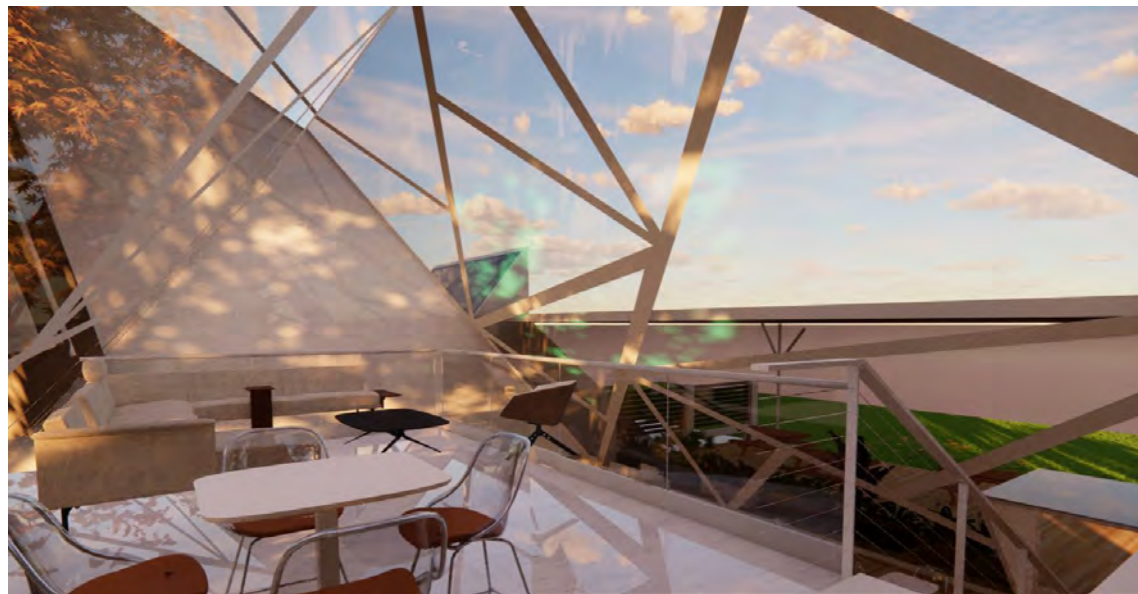
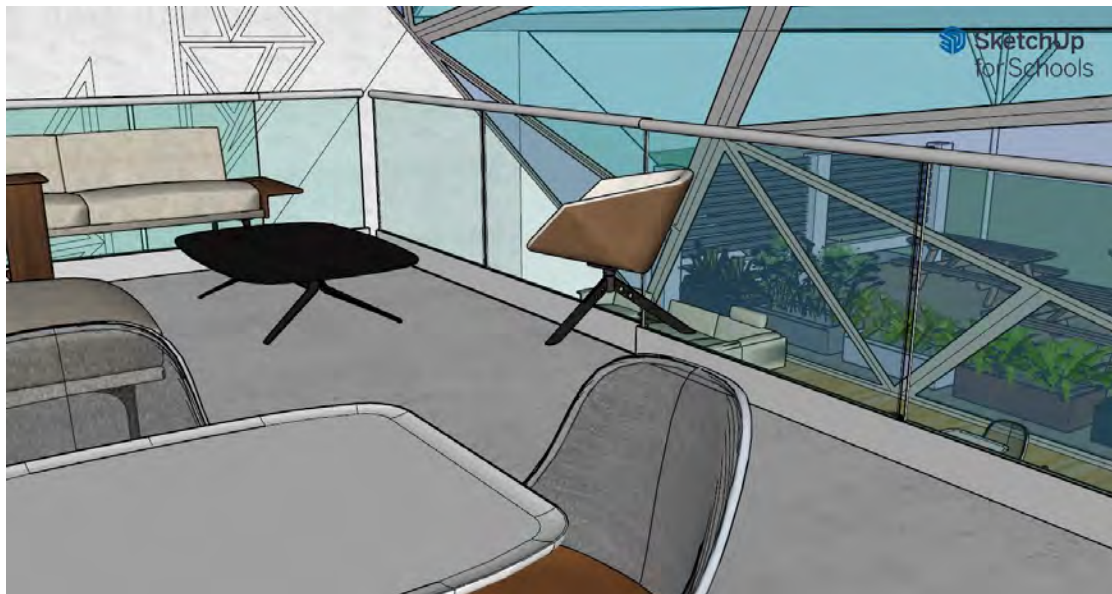


Final Building (Interior rendered)



Bathroom

Previous image has no decoration and less lighting whereas new rendered has sinks and plant features.



Upstairs area

Upstairs area receives more lighting through glass and has barrier for safety



Kitchen

Previously the kitchen had minimal lighting but the renewed version has lighting from the windows as well as the pendant light.

Merit (Spatial) Exemplar 2022

Subject	Design and Visual Communication	Standard	91627	Total score	M
Grade score	Annotation				
M	<p>The candidate starts by introducing the situation and the site. Texture and frozen inspiration are used as starting points to generation shapes and form ideas. These are explored and regenerated into design ideas with identifiable spatial design aesthetic and functional qualities with obvious links to the ideation. Relevant research and re-interpretation of initial ideation is shown in a purposeful way to the context. A train of thought is evident as it continues with the initial design ideas to explore in a thoughtful way. This submission is a Merit.</p>				