

# KHITIN

## The Bug Bar

**Chitin** (noun) biochemistry: chi-tin  
 / 'kʌtɪn / pronounced: kai-tn

### Definition

New science and technologies have found ways to make building materials from powdered insect exoskeletons and crustacean shells. This material is called Chitin which is the main influence for the concept name and further advocates for the need for sustainable materials.

### Introduction

Khitin- 'The Bug Bar' is a sustainable cocktail and taps bar aimed at over 18's serving insects as food. Entirely inspired by and based off of insects, Khitin aims to demystify entomophagy (eating bugs) and spread light on the many positive environmental impacts it has as well as bringing communities together through something that is seen as controversial. Helping combat climate change and reducing food insecurity being the most predominant impacts.

Khitin considers its carbon footprint by using locally sourced alcohol from small breweries and wineries, as well as sourcing the insects from the UK or countries close to. Sustainability is also considered through materiality, using materials from companies based in the UK as well as introducing modern materials such as Chitin, which is made from ground down insects and exoskeletons.



Building reuse



Resource depletion



Preventing climate change



Biodiversity



Challenging conventional ideas and design



Connecting communities



Sustainable lifestyle choices

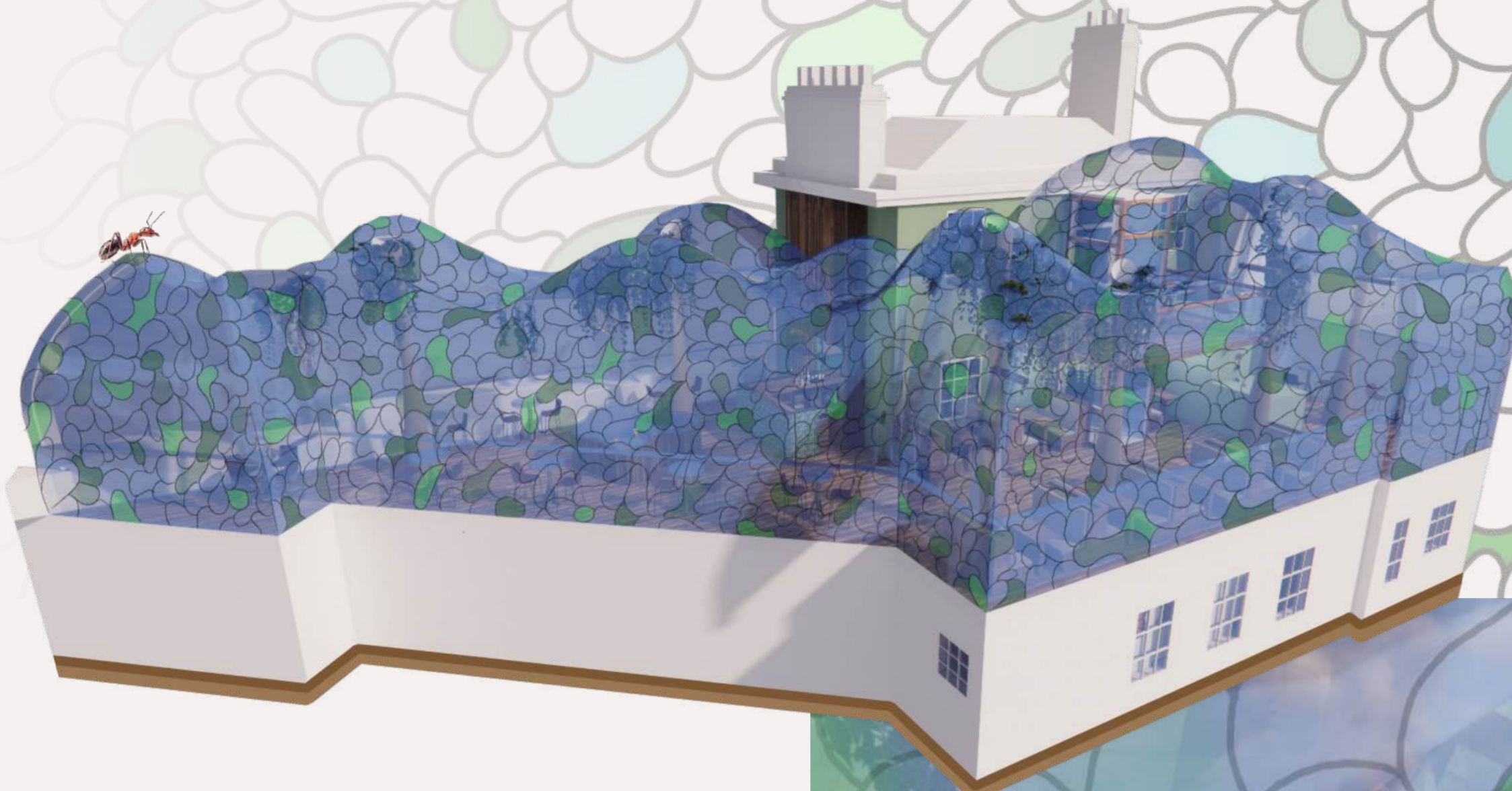


Reducing food insecurity



First floor- The Canopy





Eating bugs is actually very common worldwide with **1/4** of the population (2 billion people) incorporating bugs into their daily diet. There are thought to be **2040 edible species** of insects which, for many cultures and countries, are an important part of peoples diets.

Leicester is a city in the East Midlands of England. It is the **11th** most populous city in England and one of the **most ethnically diverse** cities in England.

The building for this concept is located in the heart of Leicester's City Centre and is **Grade II listed** as of 1950.

**28.19%** of Leicester's population are from countries outside the EU and UK.



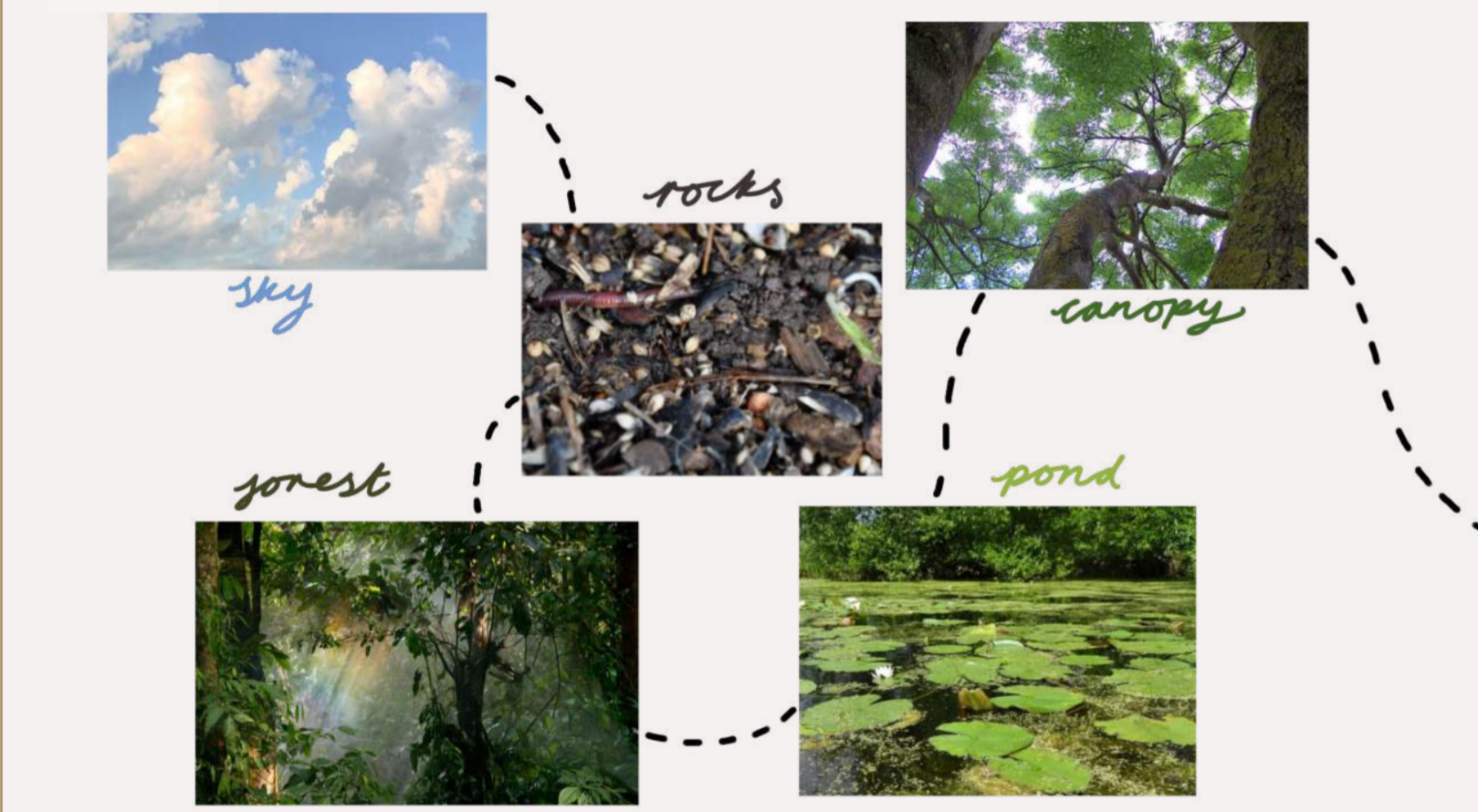
Second floor- The Edge balcony





Section A-A Section B-B Section C-C

Habitats



Narrative

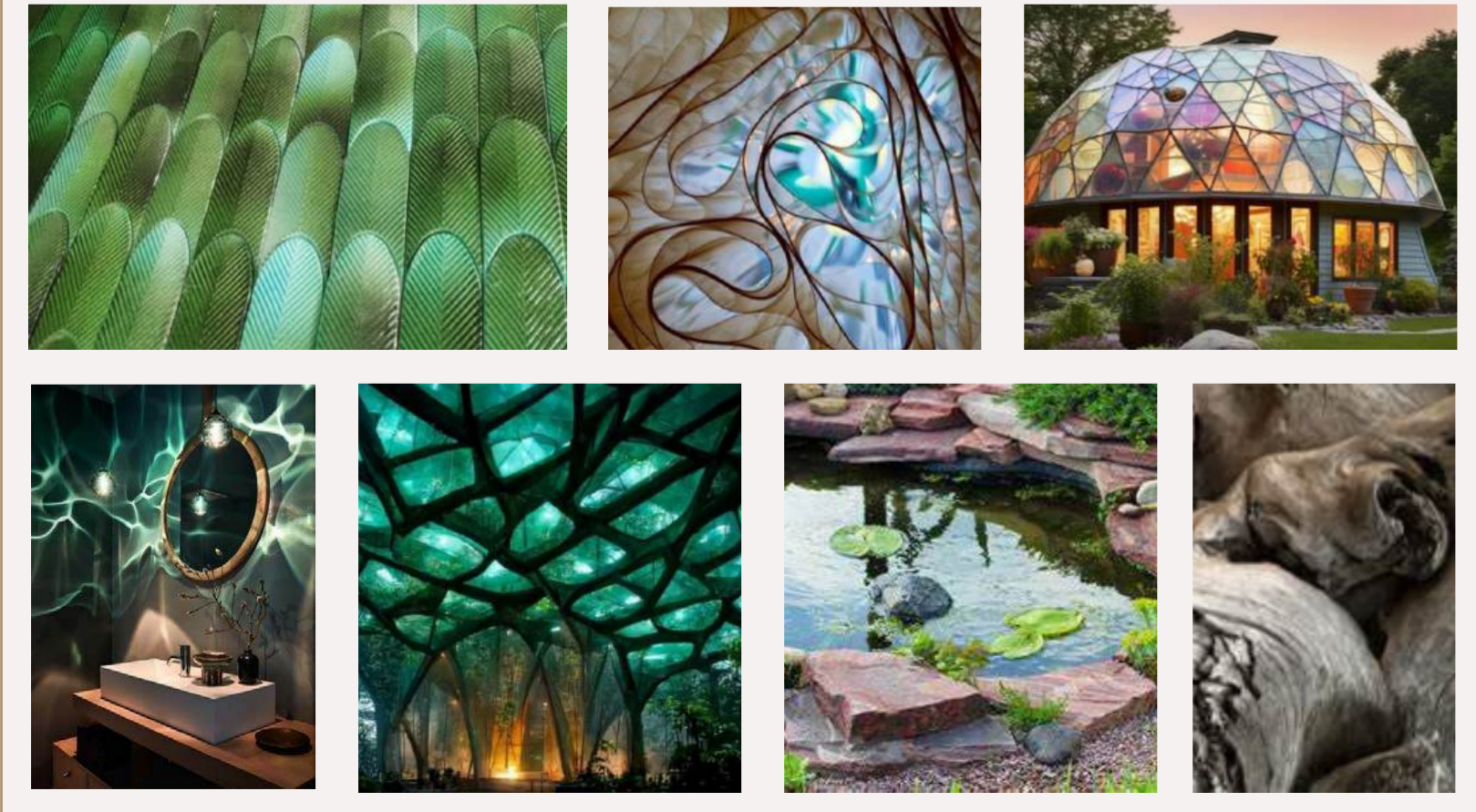
Khitin aims to provide a unique and modern concept for a cocktail and tapas bar that will catch peoples attention through its biophilic approach to design and unconventional concept. Creating a sense of awe is key to making the experience successful for each visitor.



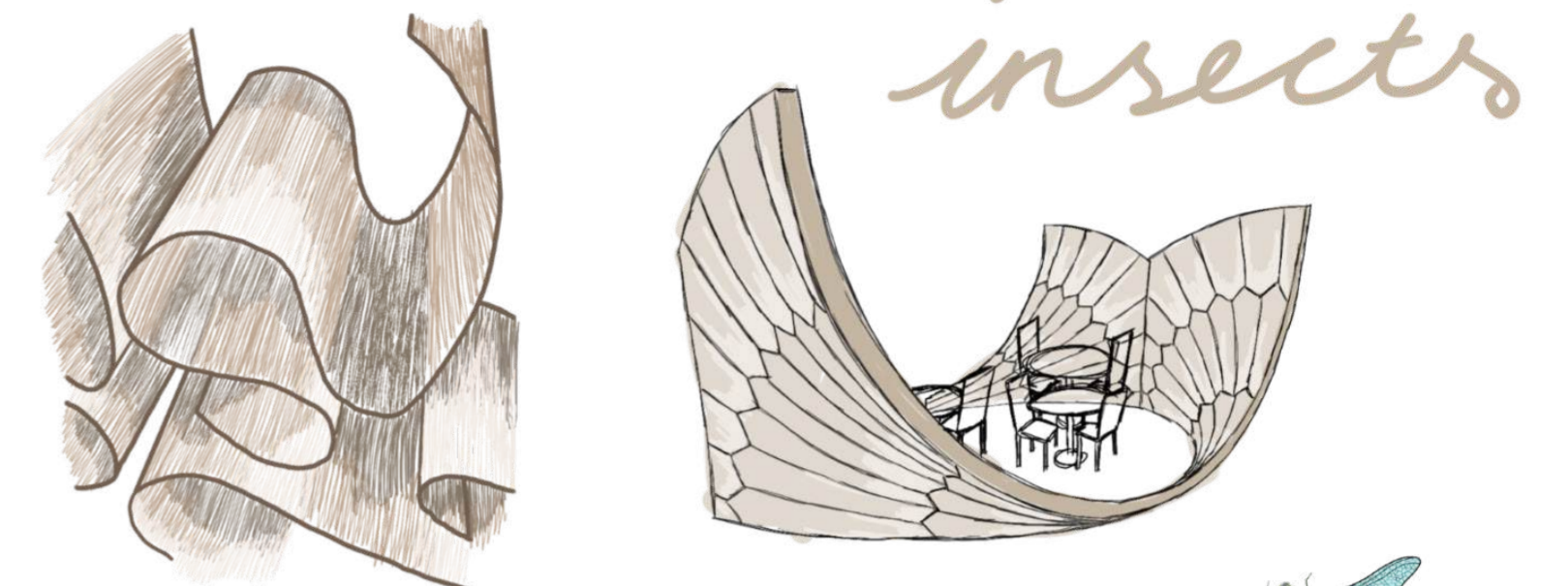
Serving insects as food in a sophisticated environment creates a sense of irony as well as an aspect of challenge as it pushes people outside of their comfort zone. This stresses the need for making brave but necessary choices in order to protect the environment.

By placing dissimilar insect habitats close to one another, the design generates themed zones that visitors can explore, adding dynamic elements to the customer journey and story. The lift, which is the main means of transportation throughout the building, adds a dynamic element, attempting to simulate flying, which immerses the customers in every space and experience.

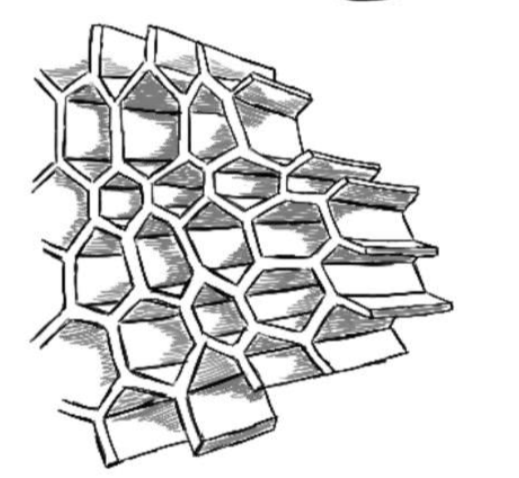
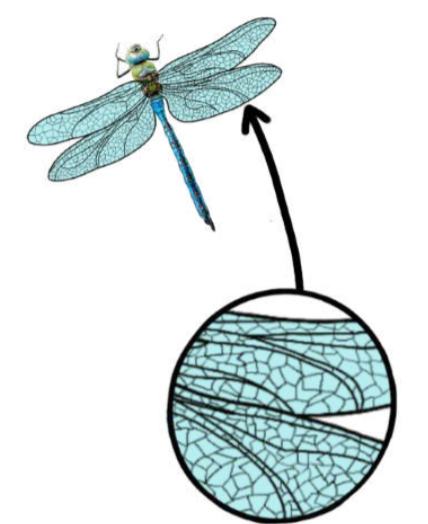
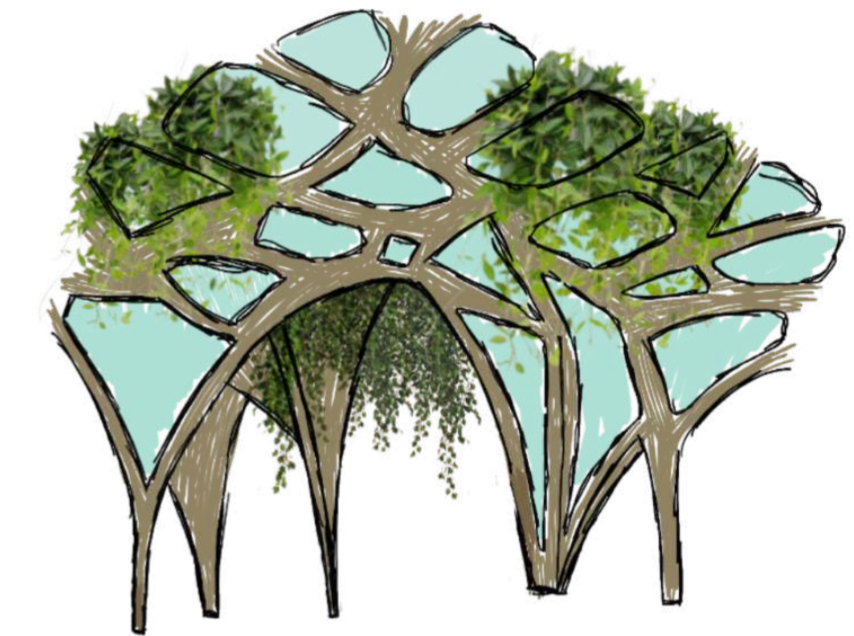
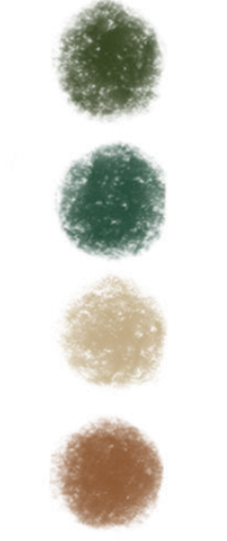
Concept inspiration



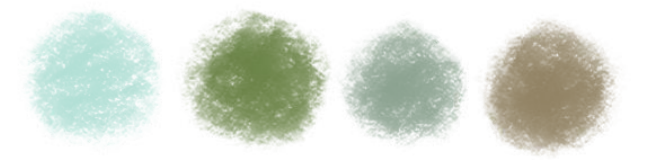
*insects*



*tones*



*tones*



*biophilia*







Ground floor- Under The Rocks (bar area)



# KHITIN menu

## Tapas

Tostada con bichos £6.50 Berenjenas con miel £8.00  
 Grub sliders made with buffalo grubs and served with salad and dip Fried eggplant with a honeypot ant drizzle (vegan option- remove honey drizzle)

Sushi de insectos £6.00  
 Roaches and rice, insect sushi served with soy sauce

Pasta con gusanos de cera £7.00  
 Pasta with a waxworm and pesto sauce

Gusanos en crackers £4.99  
 Crunchy crackers with a meaty flavour

Bastones de libélula £7.50  
 Seafood style dragonflies with veg sticks and dipping sauce

Termitas en hojaldre £7.50  
 Pastry twists with a nutty filling

Croquetas £8.00  
 Cockroach croquettes  
 Potato croquettes (vegan and vegetarian)

## Snacks

Grillos al cajún £4.50  
 Roasted crickets with Cajun seasoning

Gusanos salados £4.00  
 Slightly salted mealworms for a refreshing savoury snack

Larvas blancas £4.99  
 Tender witchetty grubs with a barbecue dip

Grillos de chile y lima £4.50  
 Roasted crickets with chilli and lime seasoning



Ground floor -The Wing Room (tapas area)



Sundown Swizzle --> Pink Praying Mantis



Grasshopper



Whit Linnen --> Lacewing



Spicy Jalepino Margarita --> Golden ant



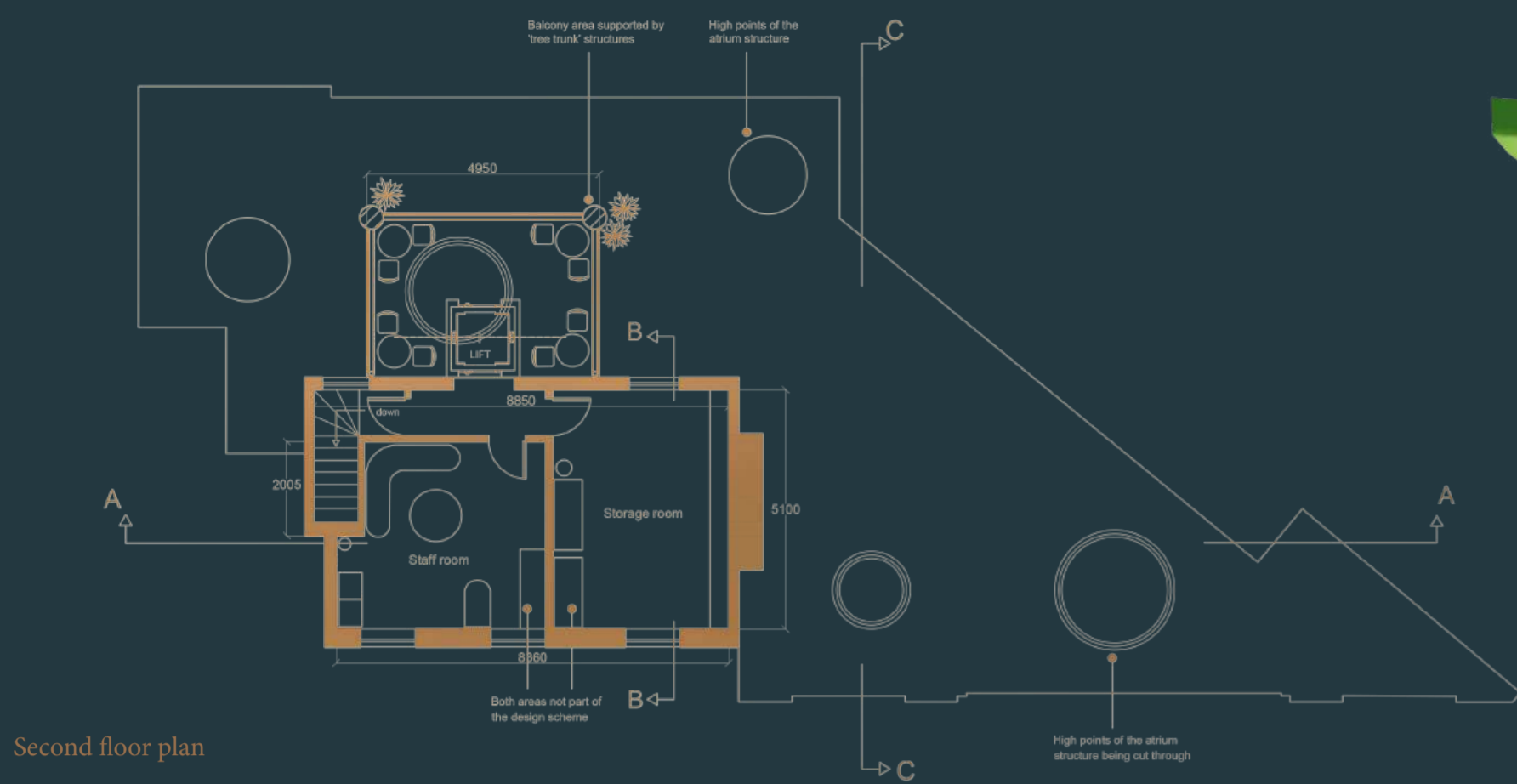
Vodka Gimlet --> Web Spinner



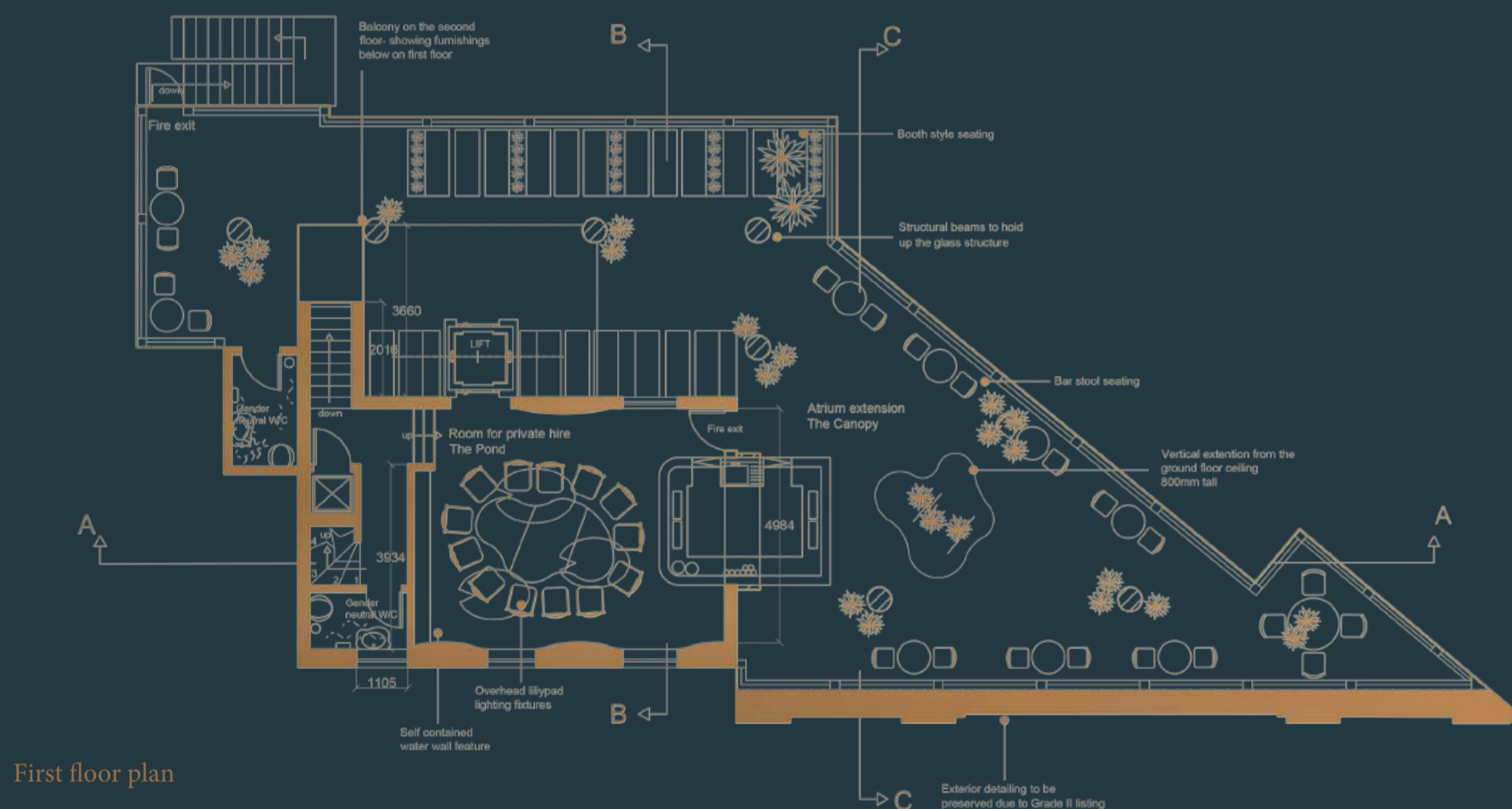
Blue Mojito --> Blue Beetle



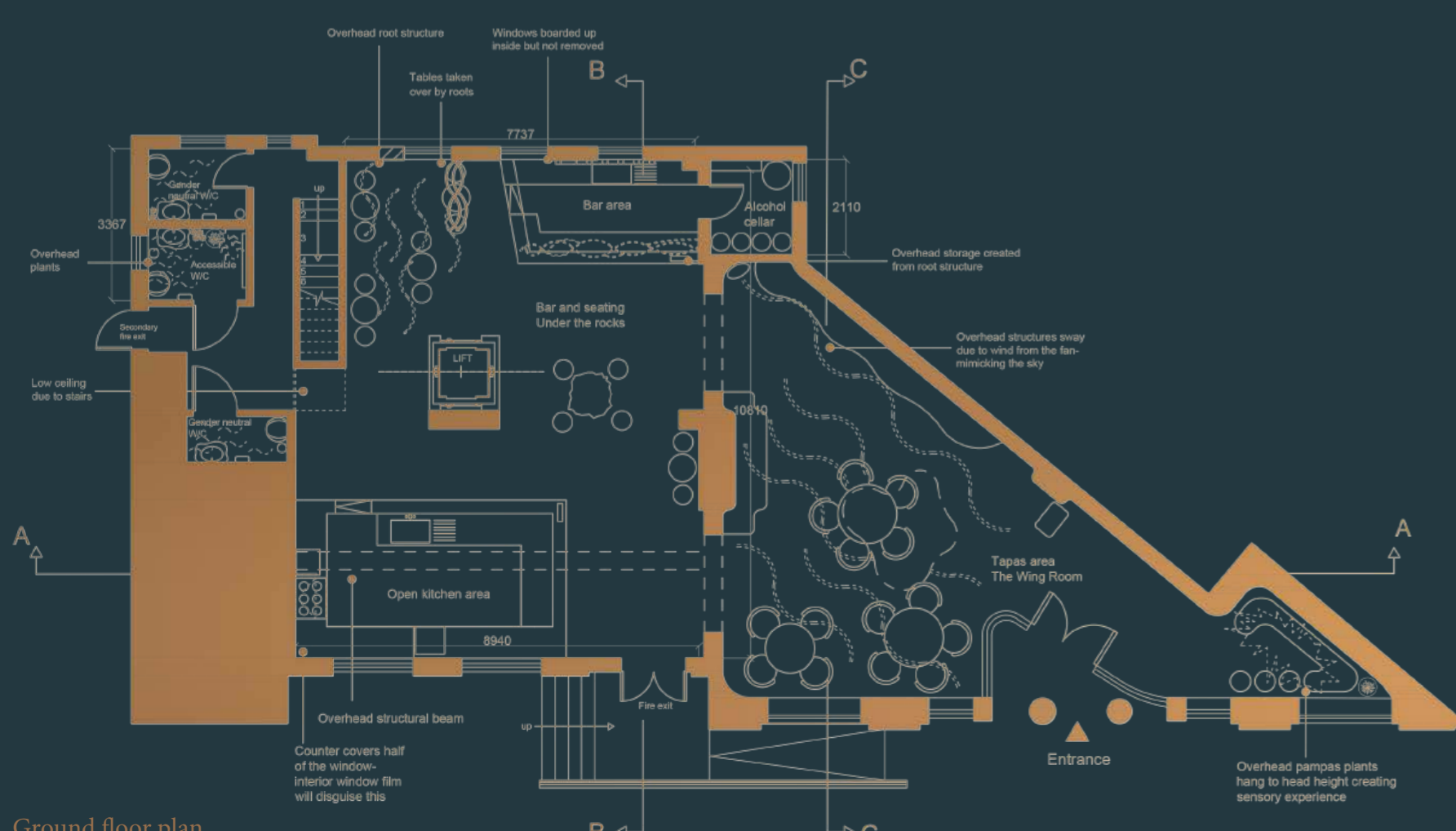




Second floor plan



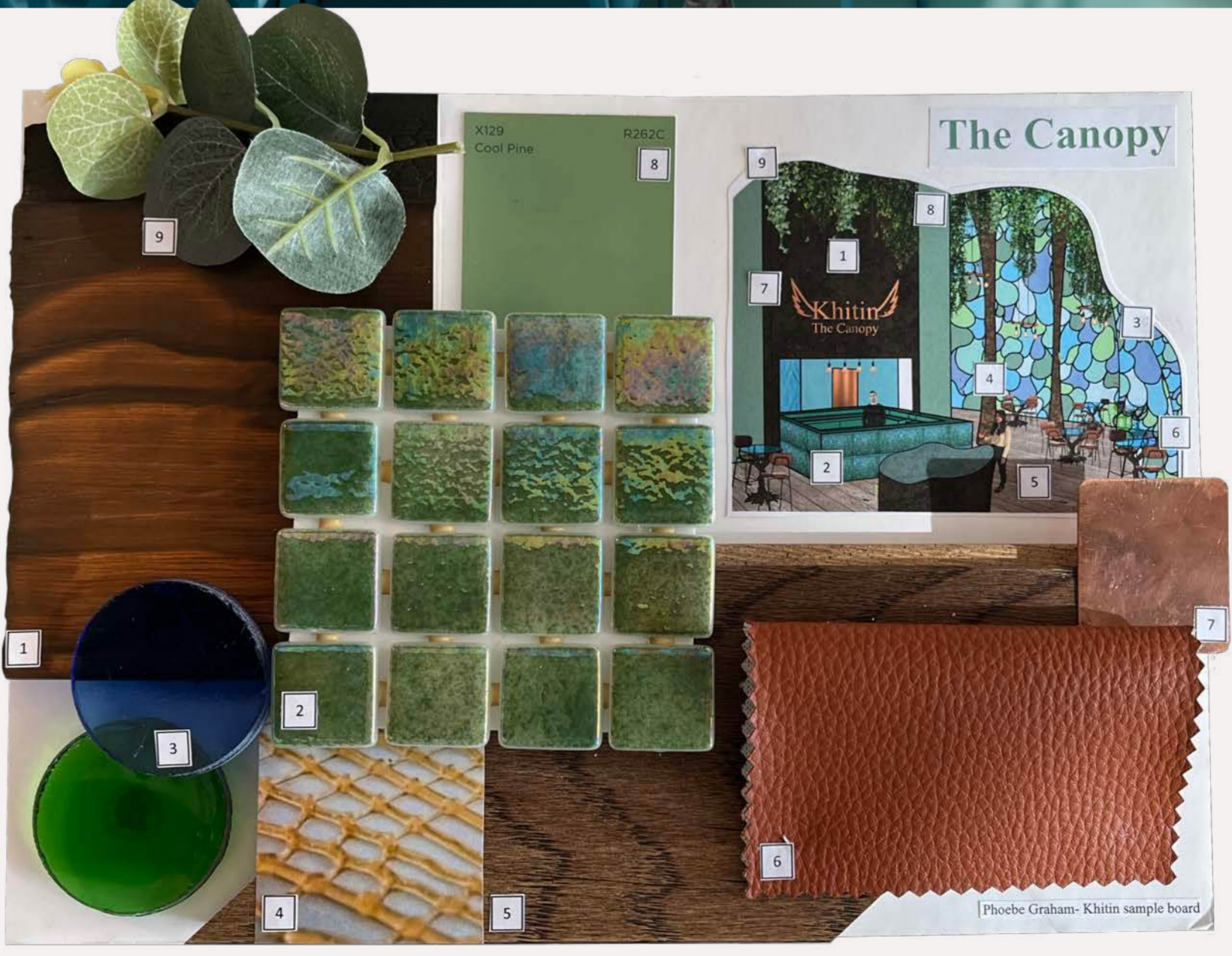
First floor plan



Ground floor plan



First floor- The Pond (private seating area)



Material specifications at concept stage

1. Shou - sugi - ban  
Charred timber cladding- Heavy brush Accoya  
**For wall cladding and the central table**
2. Design Works Tiles  
SM-GNPLMOS-S Iris Green Pearl Mosaic  
**For the bar front**
3. Green and blue recycled coloured glass  
Would be from a supplier when constructed  
**For the glass atrium structure**
4. Chitin  
3D printed to make a net structure **for the exterior of the tree trunk support structures**
5. Direct Wood Flooring  
Park avenue chevron- espresso oak  
**For the seating upholstery**
6. Harlequin Harris  
Endure - 302035 Cognac  
**For the room logo and way-finding signs**
7. Recycled copper sheets  
**For the room logo and way-finding signs**
8. Valspar paints  
Cool Pine- X129 R262C  
**For the wall colour of the main building**
9. Air cleaning plants hanging overhead

Phoebe Graham- Khitin sample board