

THE ROCK

"A sustainable hotel and water sport activity centre ..."

Immerse yourself in our underwater world of activity, relaxation and community...

EXPLORATORY QUESTIONS:

How hospitality and conservation can work together to promote sustainability in our oceans...

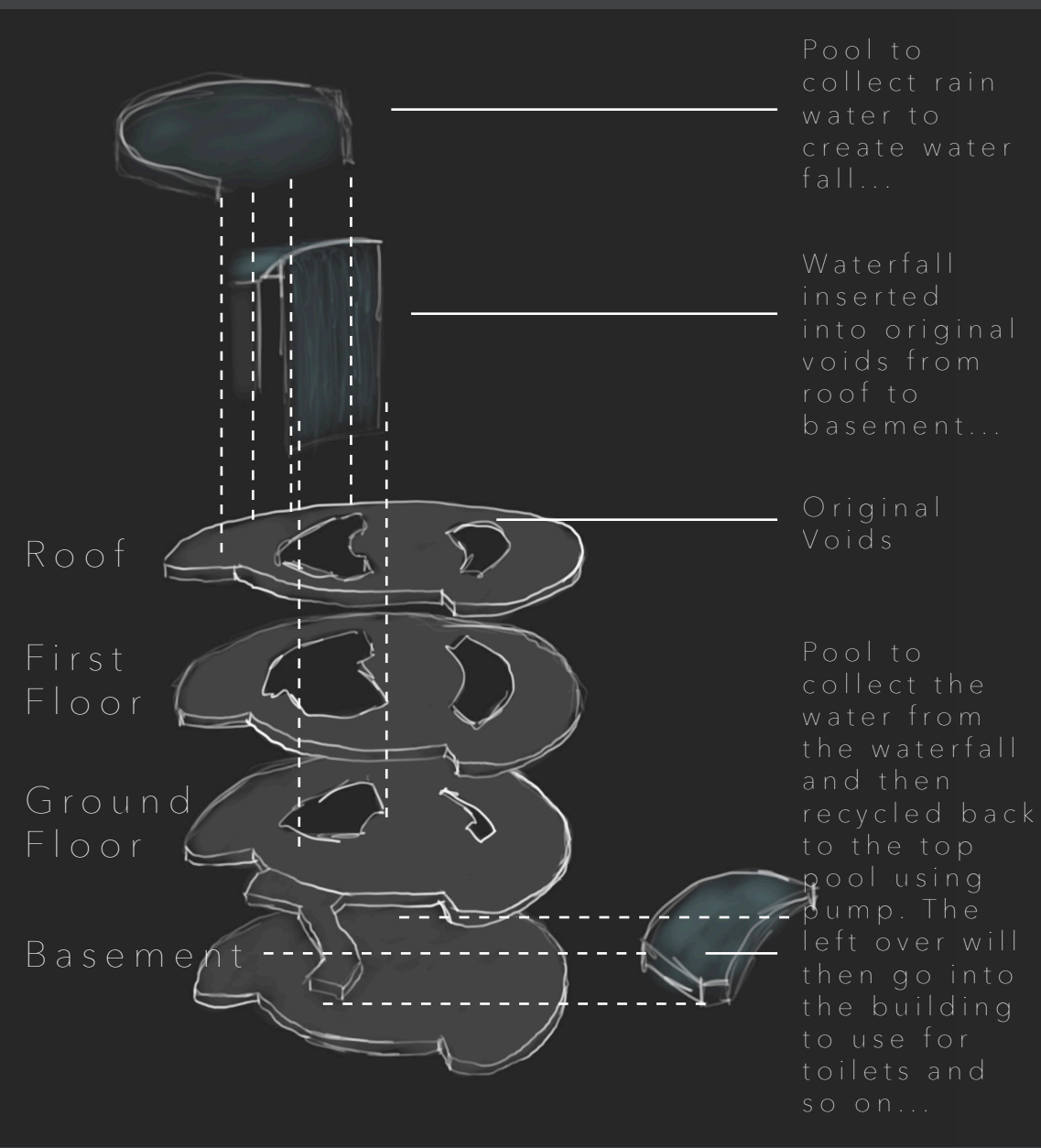
What ifyou could live under the ocean?



SECTION BB

Perspective section of the left hand side of the fort which has been repurposed into a sustainable hotel and water sport activity centre to promote the conservation of marine life.

ACTIVITY HUB - Ground Floor
Water sport activity hub for equipment storage and preparation area before going out on the water.



THE BRIEF

What ...

A Water Sport Activity centre / Hotel to encourage people to interact with the ocean and over a period of days, fall in love with it; this will encourage people to protect our oceans and also form a new connection with the ocean.

Where ...

Stack Rock Fort is a grade II listed gun fort built in 1870 on a rock in the estury of Milford Haven and is an ideal location for this experience.

Who ...

This project is aimed at the locals and tourists of Pembrokeshire, and this building holds a very special place in the hearts of the local community. In addition, tourists will help bring money to secure the buildings future.

Why ...

To promote the beauty of under water marine life that we only know 5% of, why it is important to us; will help make more of the population realise that without the ocean there is no human kind, meaning then that they will want to help protect it and save our oceans.



SITE



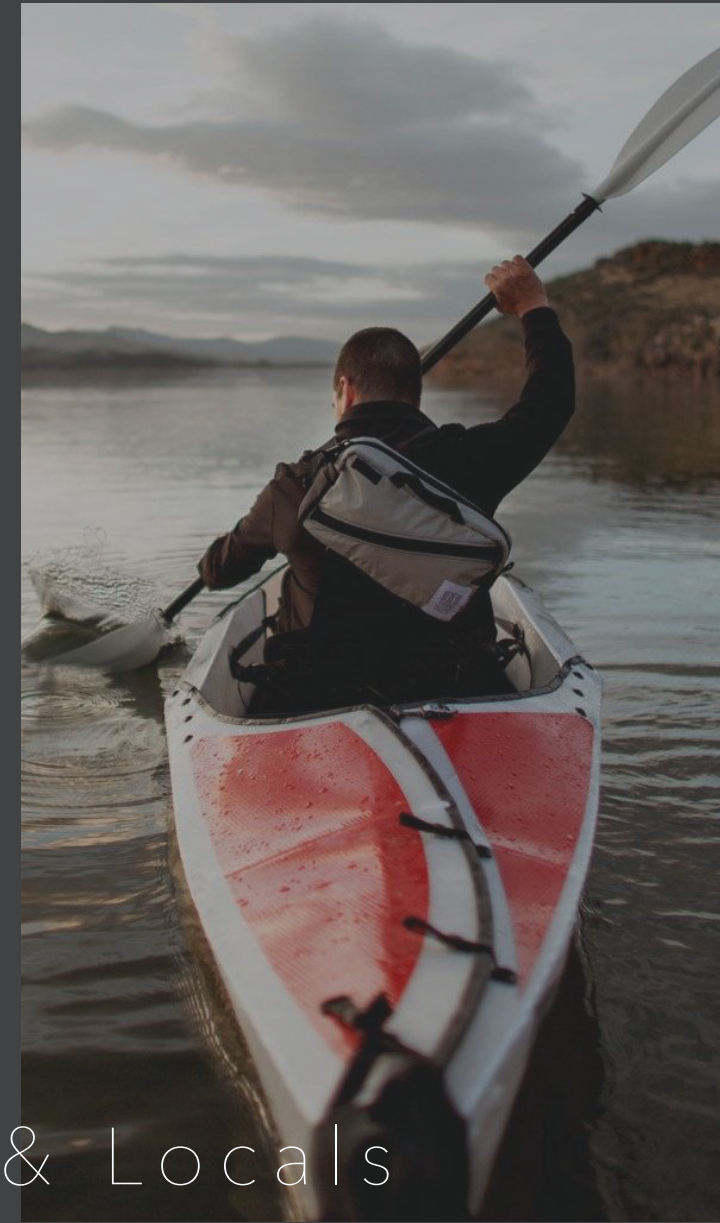
MAP



SITE MODEL



Tourists & Locals



X SHORE is a company based in Sweden, that produce 100% electric boats, therefore reducing the impact on the marine environment

This mode of transport will get my customer to and from the site, as contributing to the protection of the environment is central to the customer's journey.



USER JOURNEY

The aim is for the visitor to feel immersed as if underwater with the various water elements, the waterfall as the main feature in the central void and various pools on different floors and aquarium tanks in the basement.

The whole ethos of the building is to allow tourists and locals to socialise, relax in the sustainable facilities and become more marine concious. This will be achieved by the collaboration with Padi and its activity hub which will concentrate on environmentally friendly watersports and the sustainably nature of repurposing the Fort's design.

SUSTAINABILITY

Low energy systems and renewables such as, heating pumps, rainwater harvesting, grey and black water recycling will power my interior in an eco friendly way from using existing sources, ie: the ocean. This is an important part of my design in reducing the impact of the building on the surrounding ocean.

Bio diversity is another strategy employed in my design. My concept of protecting marine life will be at the forefront of this and influencing the user to help protect the surrounding ocean.

In repuposing this site into a hub of activity, exploration, adventure and relaxation it will provide a sense of well being for it's users and support the 'blue health' strategy which is part of my brief.

Several of the United Nations Sustainable Goals have been incorporated into this repurposing project.

WATER ACTIVITIES SUSTAINABLE TO THE ENVIRONMENT

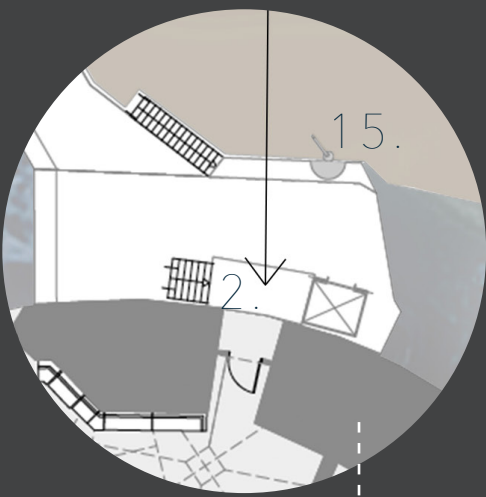


FLOOR PLANS

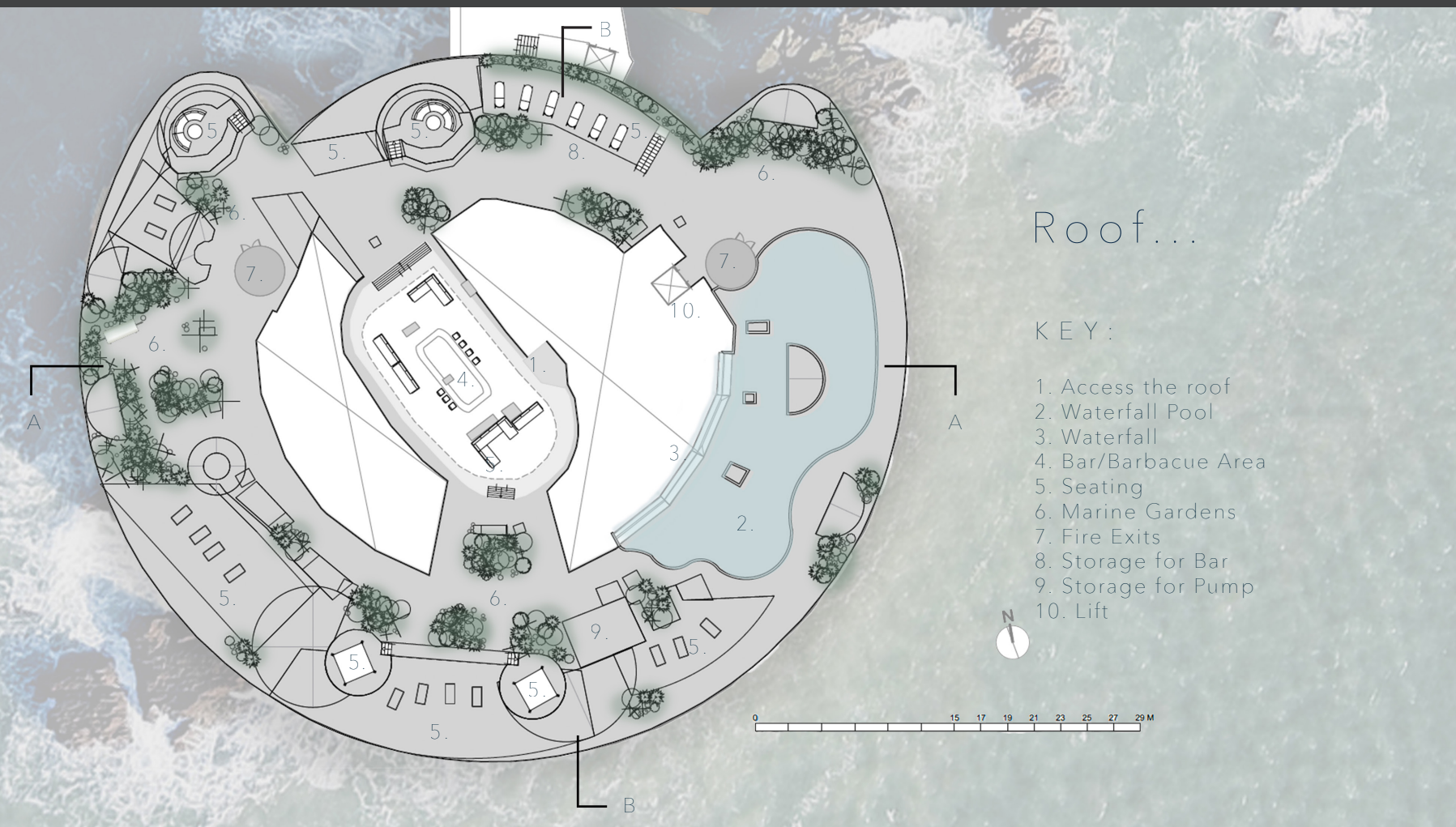
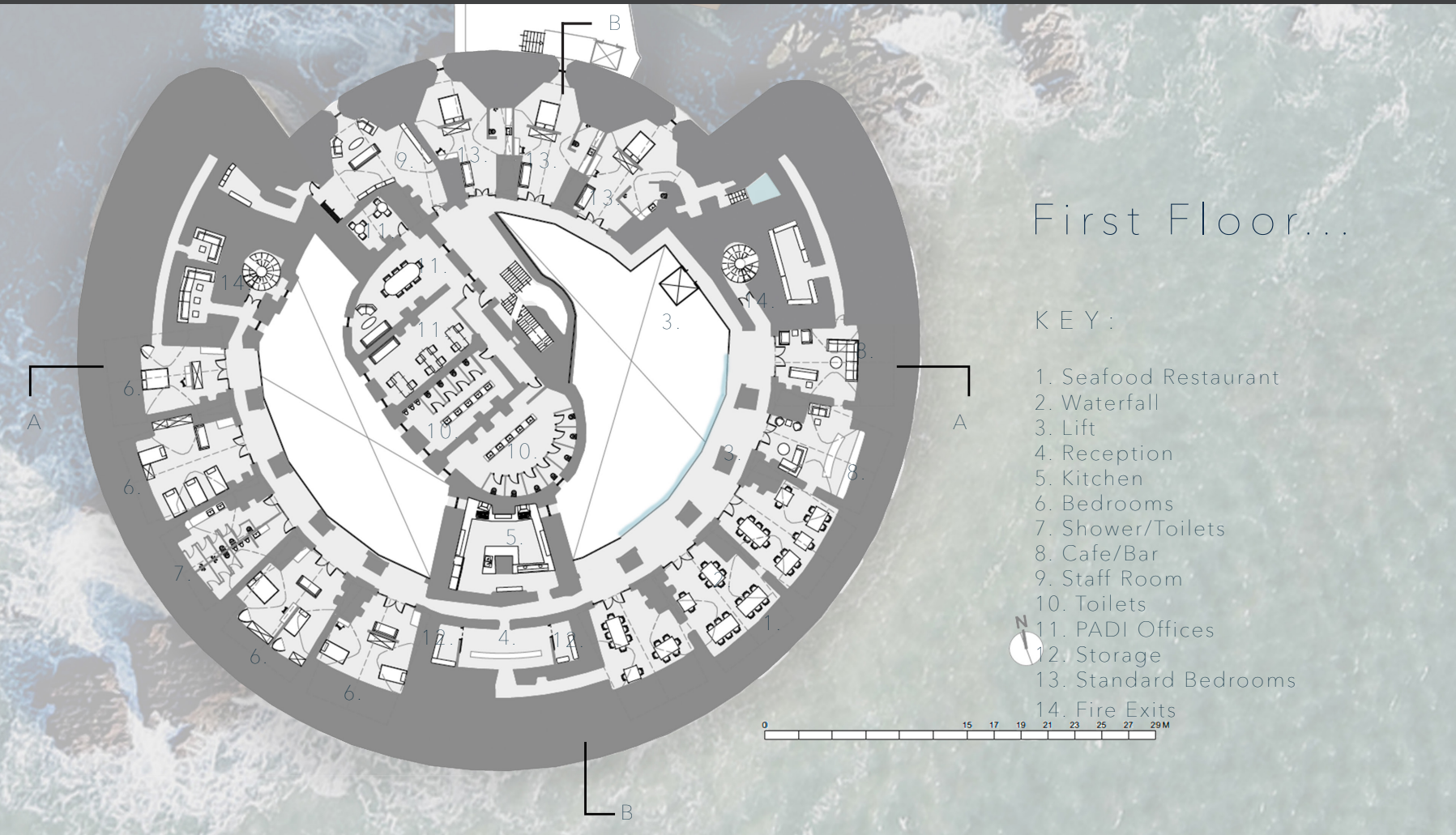
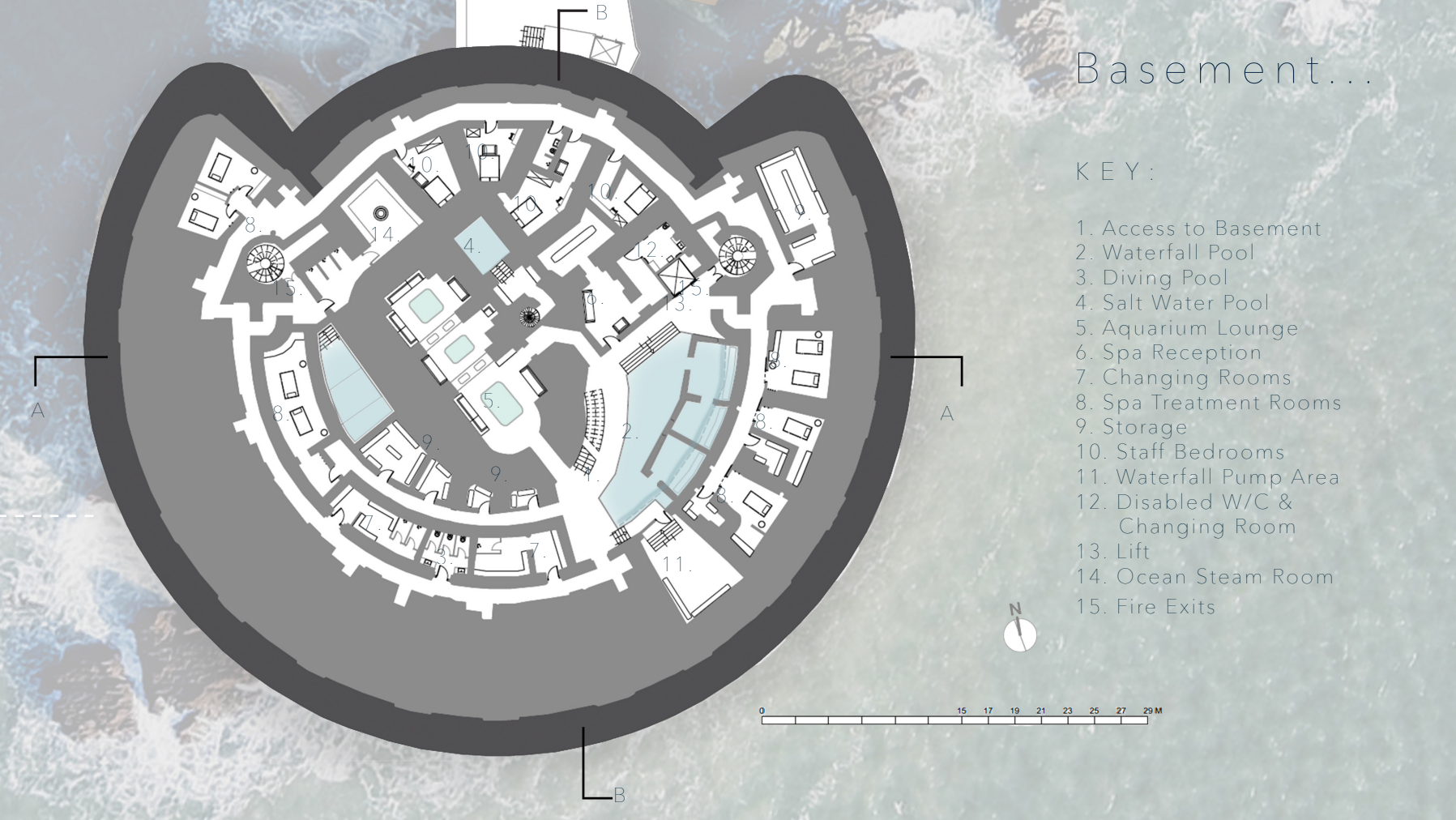
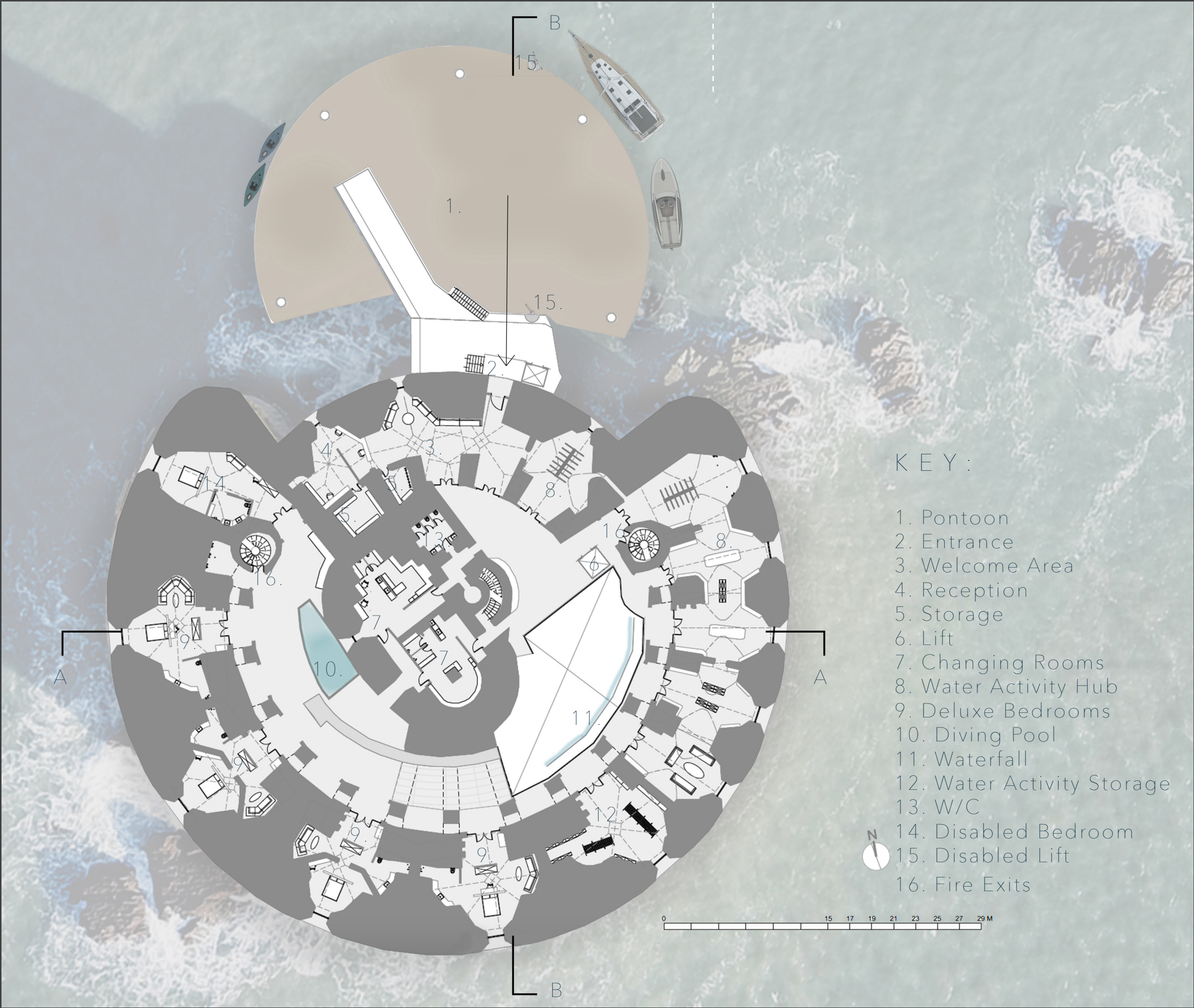
Ground Floor...

"Hub of Activity, deep sea level"

Entrance



Water Pump



MATERIALITY

My FF&E philosophy for the interior is one of luxurious, cosiness and warmth to contrast with the outdoor and wet spaces. The building is circular, and I want my user to feel that they are being enveloped by the circular nature of the building and the materials in it, giving a sense of relaxation and being hugged as they come indoors.

I will choose locally resourced materials that consider low maintenance and durability. Natural materials that are fast replenishing will be priority materials to choose from such as larch, ash, bamboo, sheeps wool and alpaca to name a few. The colours will represent the different depths of the ocean throughout the levels with different tones of warm, rich blues which also connects to the “blue health” philosophy. Reclaimed wood will be used where ever possible and in the flooring which is in keeping with the historic nature of the fort.

The detailing will be more industrial using materials; copper, metal and ironwork for items such as light fittings, door handles and other interior elements throughout the furnishings. In the outdoor and wet spaces careful consideration will be taken in choosing corrosive resistant metals such as stainless steel and aluminium to cope with the salt water environment.

Stylistically the overall feel is one of contemporary, luxuriousness whilst in the wet areas the spaces will have a slicker, outdoors’s feel with items such as benches made from pieces of old, oak, reclaimed beams weathered with age and resembling a driftwood type aesthetic. All furniture and elements chosen for the interiors will be as sustainable as possible, linked to the fort and or connected to the ocean in some way with the choice of lines, curves or pattern.

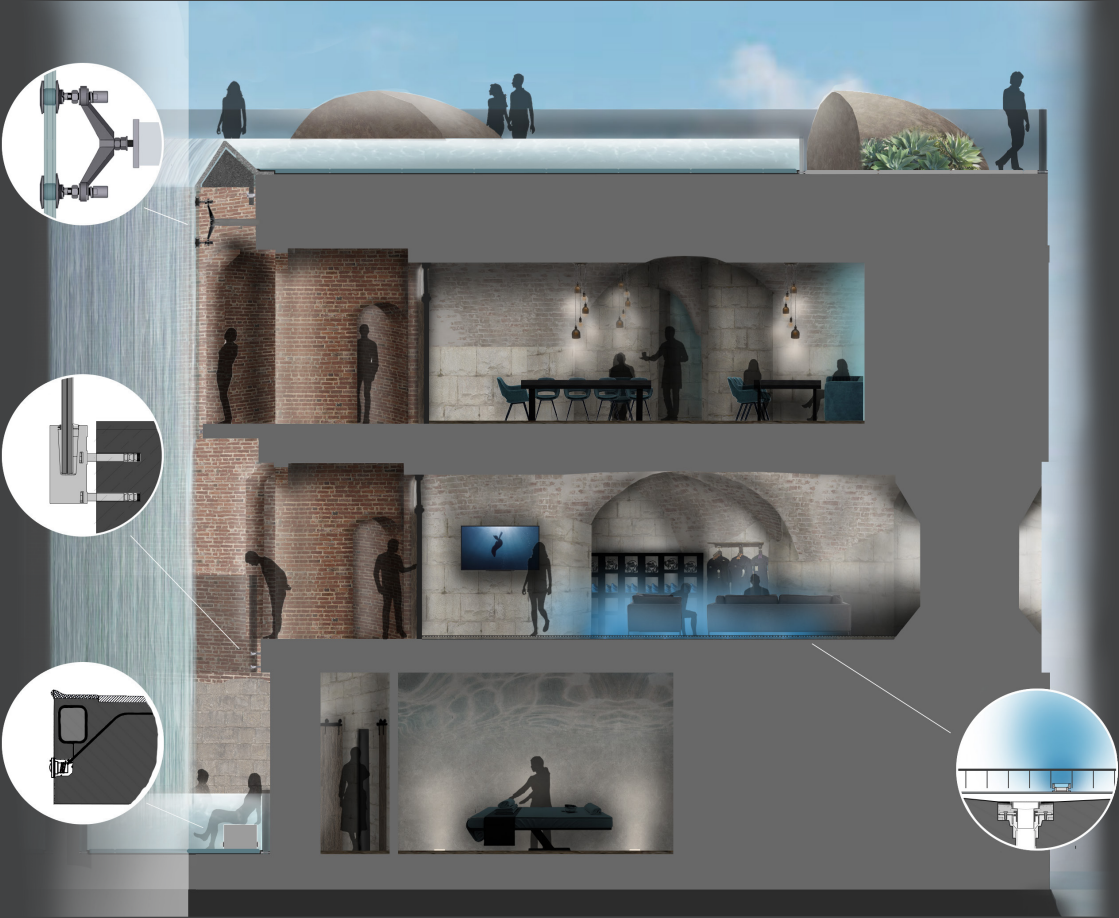


RESTAURANT - First Floor
Dining area serving breakfast, lunch and transforming into a seafood restaurant in the evenings.

MATERIALS BOARD



TECHNICAL SECTION



Water from the roof top pool flows down the 25mm toughened safety glass which is fixed to the building via a series of spider fixings along the top edge.

Glass balustrade 25mm, safety, toughened tinted glass supported with marine grade stainless steel track attached to vertical wall of building at regular intervals.

Underwater light 316 marine graded stainless steel light LS333ANS-2LED in blue fixed into position at the bottom of the underwater seating with Teflon coated covered screws.

COLOUR SCHEME



Underfloor lighting in blue LED strip lighting, encased in a 24mm wide surface mounted aluminium profile, at various intervals to illuminate the room through stainless steel expanded metal mesh flooring. This sits on top of sloped flooring with drainage to drain excess water that may come from wet water activity clothing and equipment.