BRIGHT

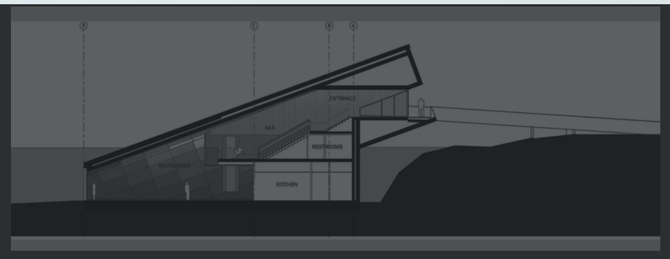
FREEING

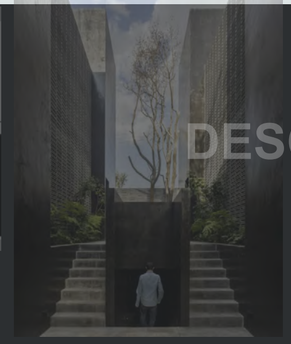
THE WATER LINE

A MOBILE POP-UP STRUCTURE WHICH EDUCATES UPON THE GLOBAL CRISIS OF RISING SEA LEVELS, AND THE LAND THAT SHALL BE TAKEN IF CHANGE ISN'T ACTIONED NOW.

DARK

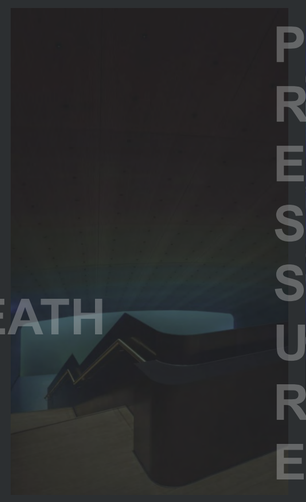
FOCUSED



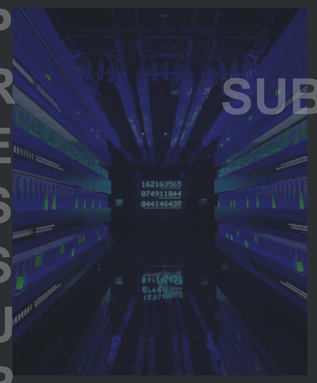


DESCEND

BENEATH



PRESSURE



SUBMERGED

Addressing the climate crisis, this pop-up highlights the teetering edge we sit on when it comes to our rising sea levels, due to global warming from deforestation, and the burning of fossil fuels for example,) this causes our waters to heat and ice caps to melt, pushing our ever increasing water line higher and higher. Storm surges and coastline erosion also contribute to our receding coastlines.

Named 'The water line' this pop-up encourages guests to consider how better to live within the earth's natural limits... before it is too late. Immersive in its nature it takes control of your senses, as you travel deeper within it. From a heightened sense of freedom on entrance, guests shall transition downward with a sense of teetering instability, to the darker depths beneath 'the waterline'. The design shall also practice what it preaches in its sustainable recycled nature.

By Christy Runagall.

INSTABILITY

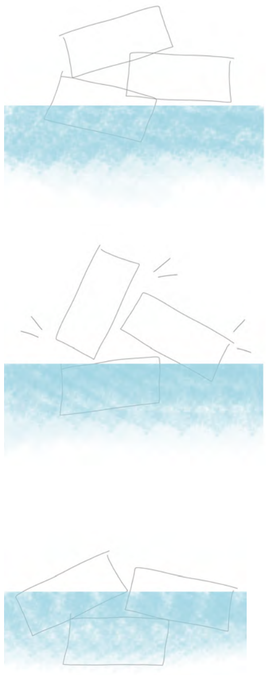
A sense of uncertainty. Creating a feel of being motile, looks as if it has the ability to suddenly move or collapse.

BENEATH

A sense of being submerged beneath the water line, alike the vast coastal regions around the world.

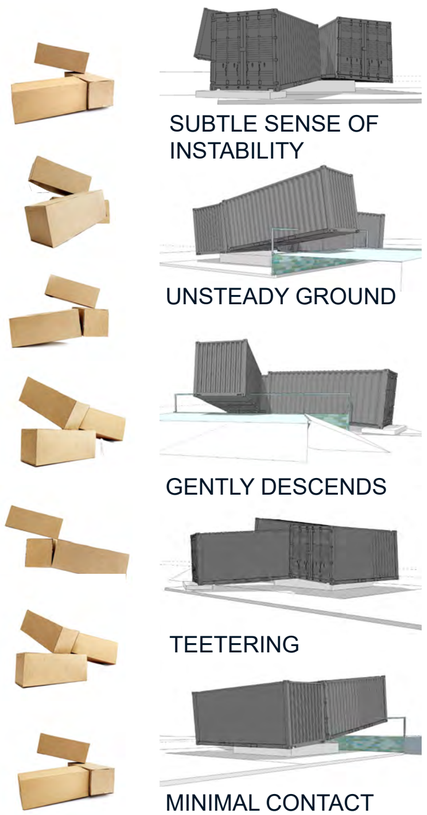
CONTRASTING ATMOSPHERES

A transition between two opposing spaces which portray the stark difference between being above or below the waters surface.



The form shall convey the essence of these depictions above, as the structure should not feel secure or stable, but teetering and suspenseful, as if it may fall any moment beneath a metaphorical 'Water line'.
This shall physically remind guests that our climate crisis is not in a comfortable position.

DECIPHERING FORM AND ANGELS



SUBTLE SENSE OF INSTABILITY

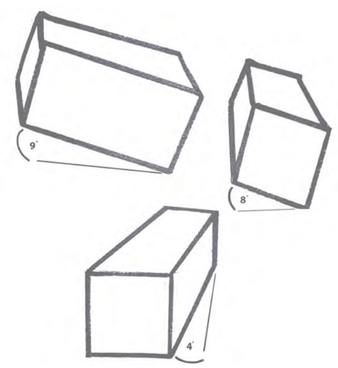
UNSTEADY GROUND

GENTLY DESCENDS

TEETERING

MINIMAL CONTACT TO GROUND

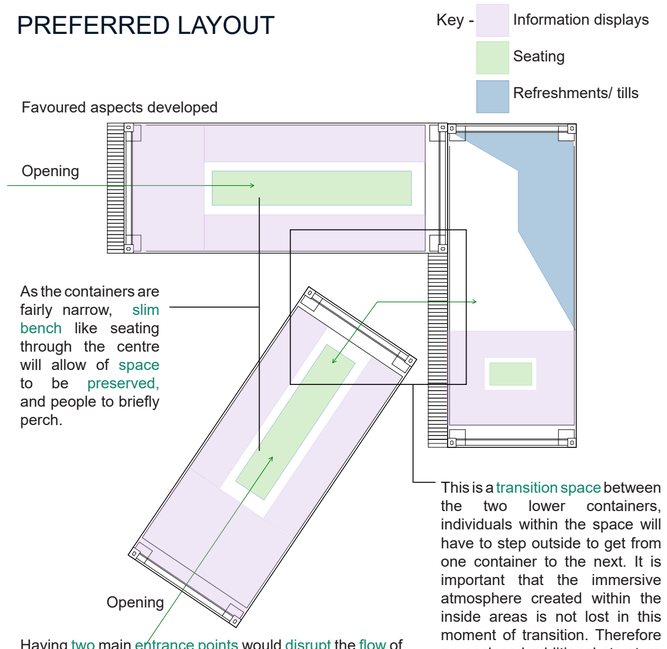
For this pop-up three containers have been donated, this shall form the main body of the structure. The choke to keep them as intact and whole as possible allows costs to remain low and structural integrity to remain, they shall be positioned to create a tilting downwards path. This recycling of components is also eco -friendly in nature.



A SUBTLE GRADIENT

Above you can see the chosen gradients, each container has a different tilt reinforcing the irregular uncertain feel desired. The gradients are also shallow enough to not require stairs and to remain safe.
However, this does not mean the gradient does have not impact, as proven by Le Courbusier chapel at Ronchamp, as its floor leads you unknowingly down to the main altar from the entrance, this is only a 1% gradient. A more subconscious influence is perceived with less overt slopes, this causes a heighten sense of alertness and to ones surroundings, thereby enriching the overall sensory experience of the space.

PREFERRED LAYOUT

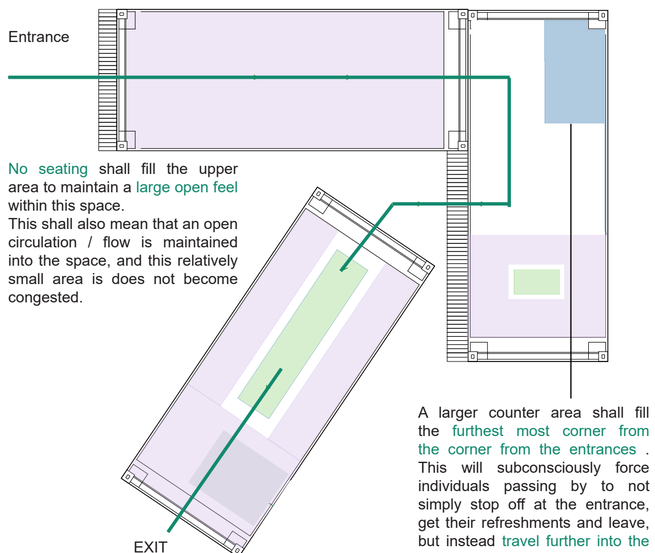


Having two main entrance points would disrupt the flow of the space, as people enter and exit from different areas.

A preferred direction is from a higher point to the lower area. This will mean people experience the bright open freeing nature of the higher 'above' area before descending to the darker areas below.

The one directional journey through these areas will I be enforced by way-finding, primarily through lighting.

FINAL LAYOUT



A smaller concealed exit will be positioned at the lowest point on the lowest container.

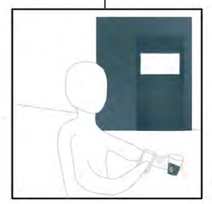
Alike the chapel by le corbusier, the direction of travel through the space pairs with the direction of the gradient.

A JOURNEY THROUGH THE SPACE

A bright threshold that leads down to a dark mysterious glow shall draw in passers by.

Upon entering maps of local at risk locations shall catch peoples eyes, triggering thoughts personal places.

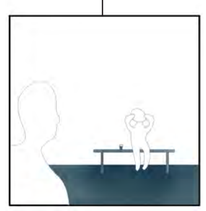
At the end of the entrance container, visitors will be able to purchase a refreshment in a reusable cup.



Curiosity shall encourage people to scan the QR on their cups, opening the interactive map, where locations can be searched .

For some this shall result in great relief, as they realise their precious locations are flood safe.

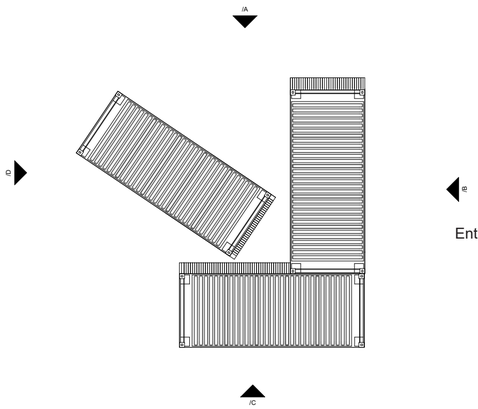
For others this shall be a stark moment of realisation, as they realise their loved locations potential fate.



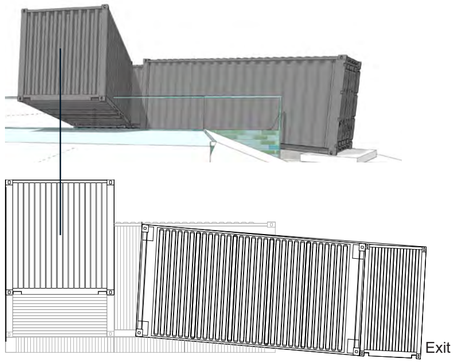
However, the negative impact on others will be unavoidable to ignore.

Finally the reusable cups will keep the conversation going, as they attract attention beyond the walls of the pop-up.

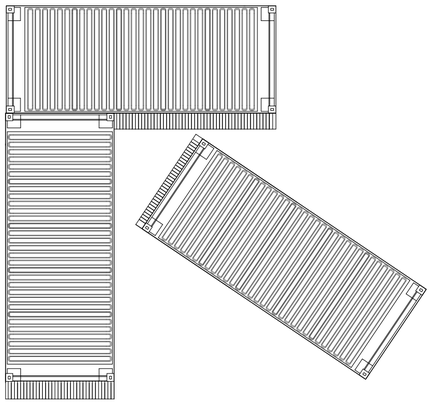
FINAL PLANS, ELEVATIONS AND SECTIONS



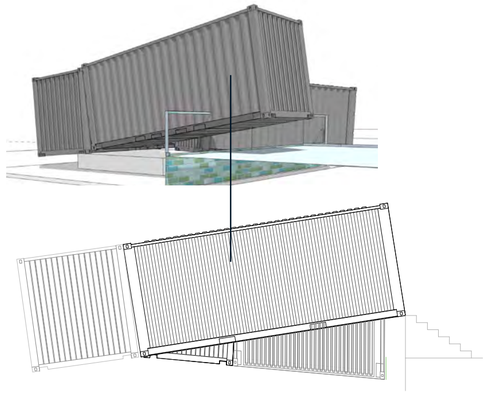
Here you can see the final resting positions of the containers in plan and elevation, alongside 3D models to help understand the orientations and gradients.



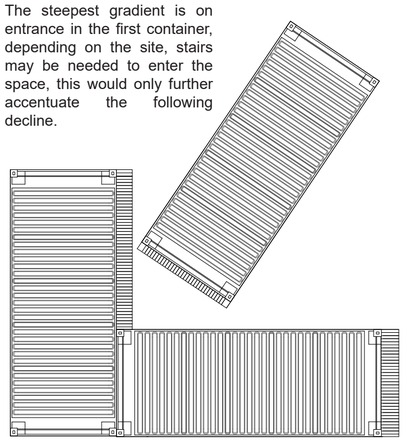
Here you can see the small higher 'peak' with the large body of the design lower down, representing the larger proportion below the water line, as the oceans take over the land.



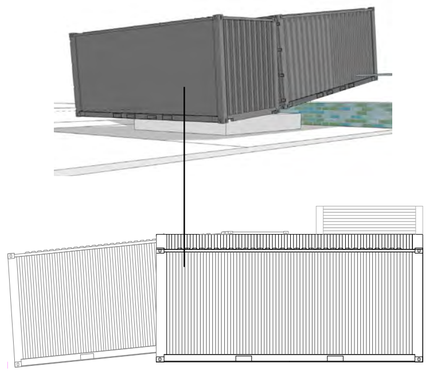
Elevation A



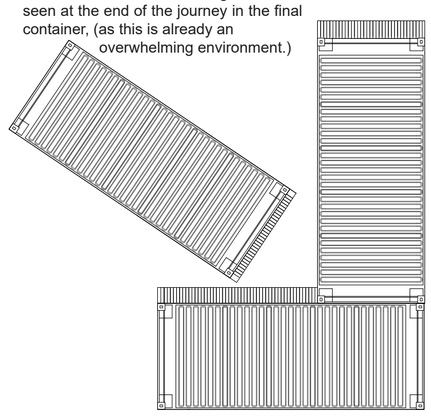
The steepest gradient is on entrance in the first container, depending on the site, stairs may be needed to enter the space, this would only further accentuate the following decline.



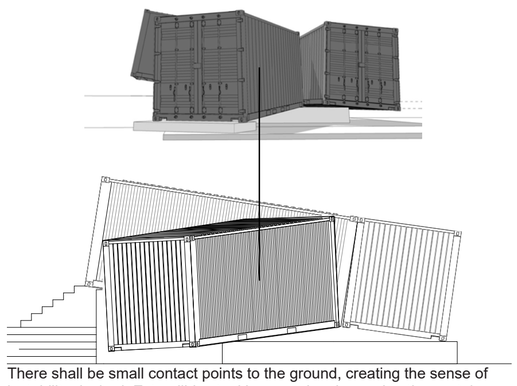
Elevation B



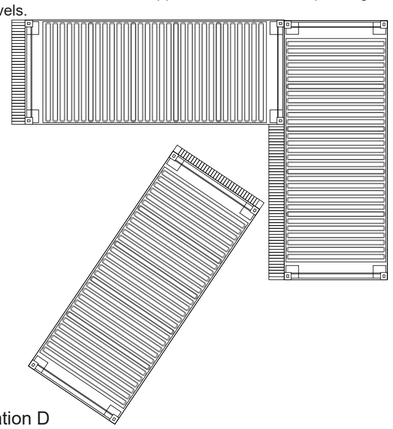
Here the shallowest 4˚ angle can be seen at the end of the journey in the final container, (as this is already an overwhelming environment.)



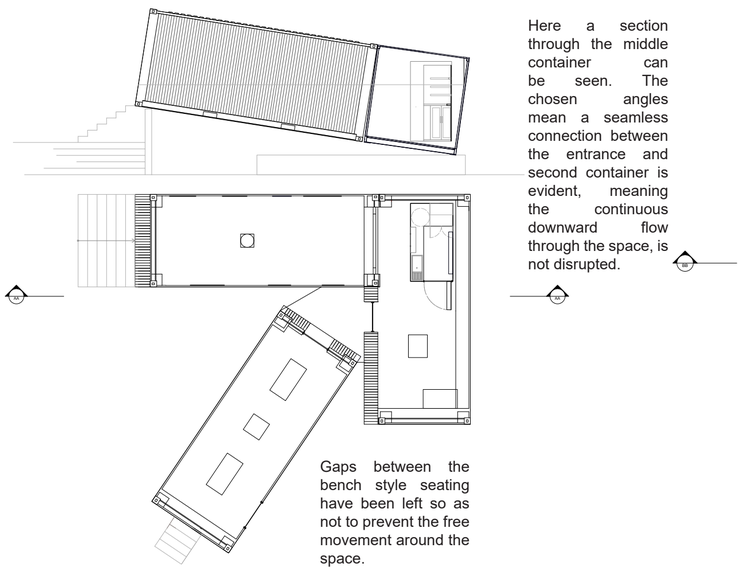
Elevation C



There shall be small contact points to the ground, creating the sense of instability desired. Extendible steel legs can be clamped to the containers to provide additional structural support where needed depending on site ground levels.



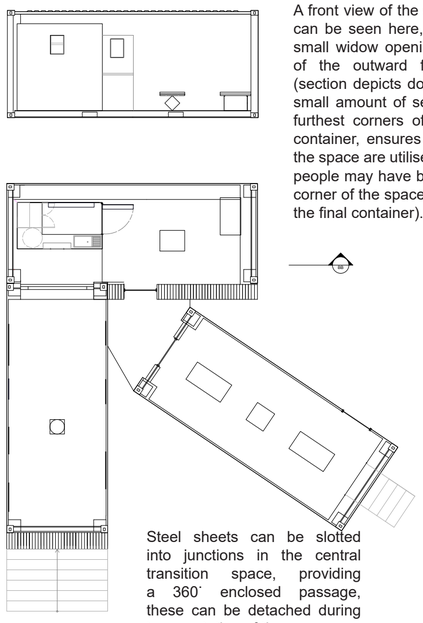
Elevation D



Here a section through the middle container can be seen. The chosen angles mean a seamless connection between the entrance and second container is evident, meaning the continuous downward flow through the space, is not disrupted.

Gaps between the bench style seating have been left so as not to prevent the free movement around the space.

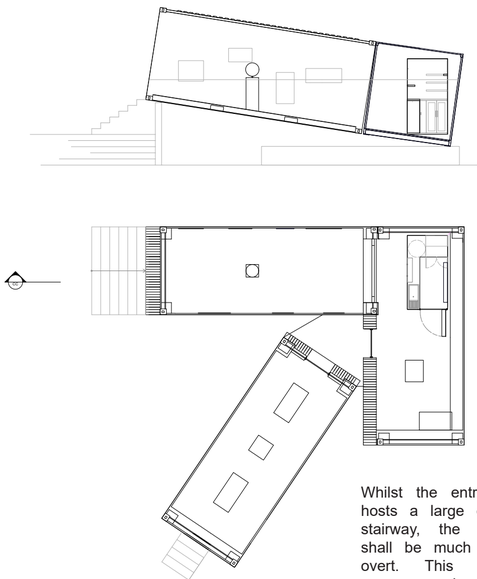
Section AA



A front view of the service area can be seen here, with a very small widow opening on either of the outward facing walls (section depicts door open). A small amount of seating in the furthest corners of the middle container, ensures all areas of the space are utilised (as some people may have bypassed the corner of the space moving into the final container).

Steel sheets can be slotted into junctions in the central transition space, providing a 360˚ enclosed passage, these can be detached during transportation of the pop-up.

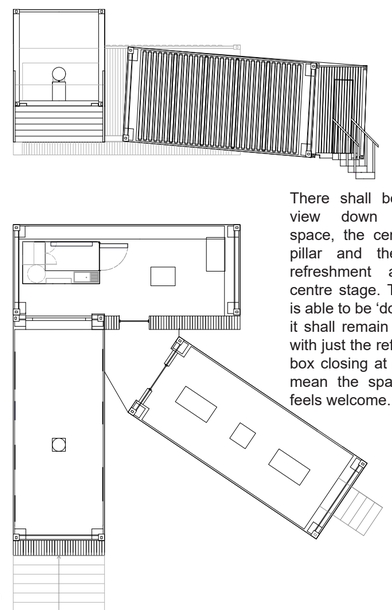
Section BB



This section reveals the entrance container, with various large flood risk maps placed upon the walls, you can also see the central plinth, and how this shall also have a materiality split according to the ' water line' .

Whilst the entrance hosts a large open stairway, the exist shall be much less overt. This shall ensure people enter from the correct point, and maintain the flow of the space.

Section CC



There shall be a direct view down into the space, the central globe pillar and the service/ refreshment area take centre stage. The design is able to be 'door-less' as it shall remain open 24/7 with just the refreshments box closing at night. This mean the space always feels welcome.

Section DD

A POWERFUL DIVISION

MATERIALITY AND ‘WATER LINE’ PLACEMENT

1 - American maple wood
-Light , fine, hard, an abundant species of tree with 18% of the forest increasing by 29.3 million m3 each year, ensuring sustainability.

2- Steel polished
Bright shiny smooth, very recyclable material ties exterior corrugated steel to interior.

3- Burned steel
Still recyclable, organic rich texture, darken matt surface.

4 - Painted surfaces in various deep grey blue tones and a muted light grey.

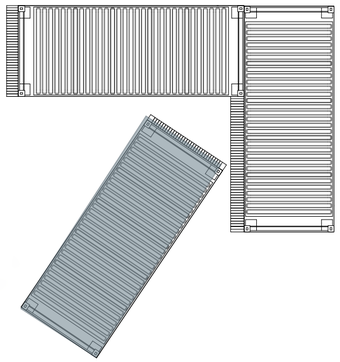
5 - Burned American maple wood
Organic natural material, natural grain and fault lines enhanced by burning process to blacken the wood, deep rich colour.

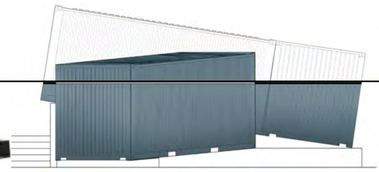
6- Steel rod
High shine reflective used across space for small details tying the space together as well as the hand rails surrounding the pop-up in both locations.

7- Wire mesh
Translucent material allows light to pass through whilst provides a solid surface

INTERIOR

Here you can see how the water line will not only be evident to the exterior but too the interior, it shall be the datum point to divide the space. As you progress lower down you will feel the darker aesthetic ‘take over’ the space.





Here you can see where the line falls across the whole structure breaking away ever so slightly to include the lowest container in its entirety, this is to allow a climax to fully submerge at the end of the journey.
The teetering shapes are held together by this consistent horizontal divide, the horizontal nature is important as it refers to how water always finds a level.

EXTERIOR

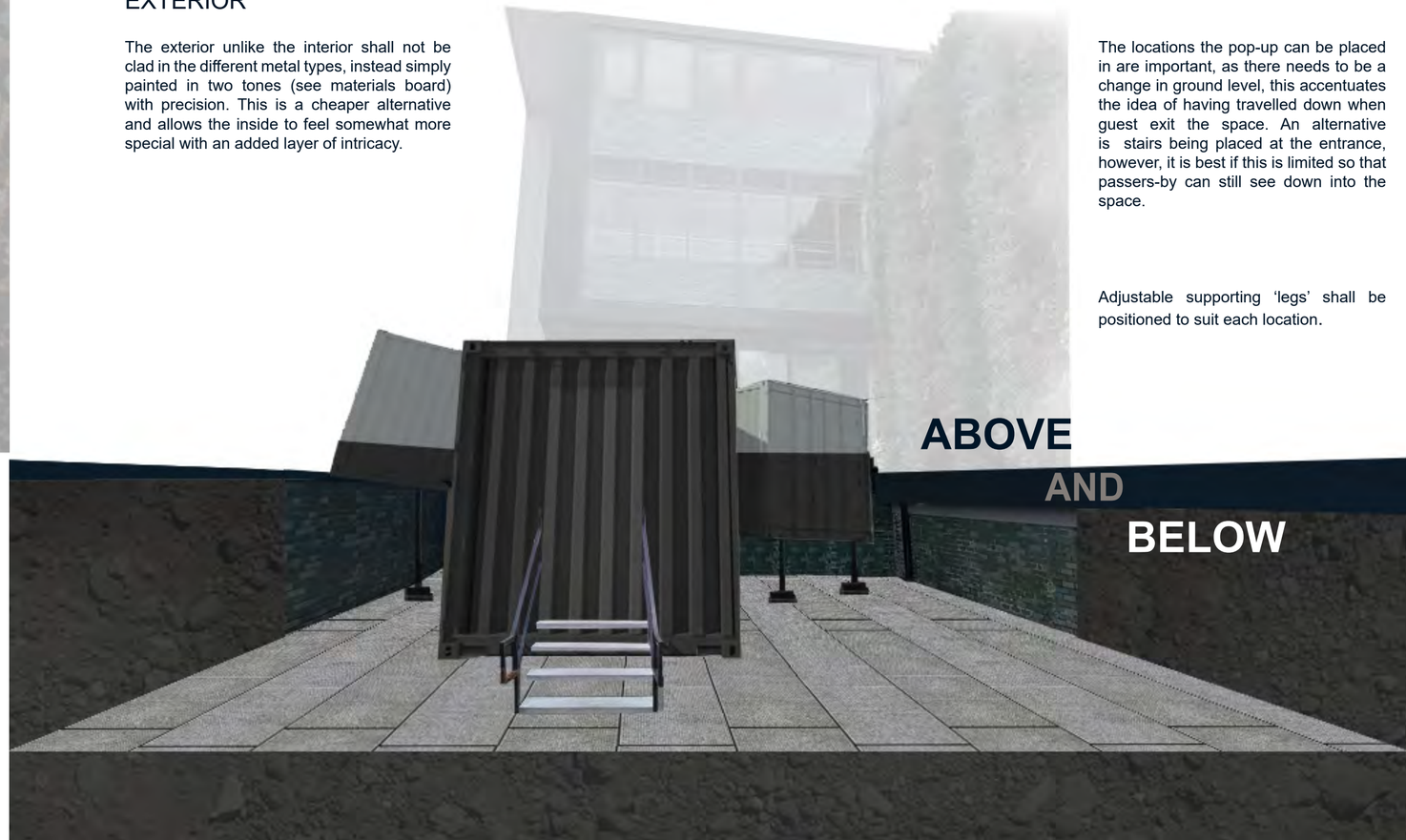
The exterior unlike the interior shall not be clad in the different metal types, instead simply painted in two tones (see materials board) with precision. This is a cheaper alternative and allows the inside to feel somewhat more special with an added layer of intricacy.

The locations the pop-up can be placed in are important, as there needs to be a change in ground level, this accentuates the idea of having travelled down when guest exit the space. An alternative is stairs being placed at the entrance, however, it is best if this is limited so that passers-by can still see down into the space.

Adjustable supporting ‘legs’ shall be positioned to suit each location.

Due to the fact the vast majority of the containers interior is made of steel, this means that they can be melted down as one singular unit. There will not have to be a large deconstruction process sorting various materials, steel is incredibly recyclable therefore there is no concerns about materials going to landfill.

A limited selection of metal reusable cups can also be made as a long lasting reminder and embodiment of all this pop-up stands for.

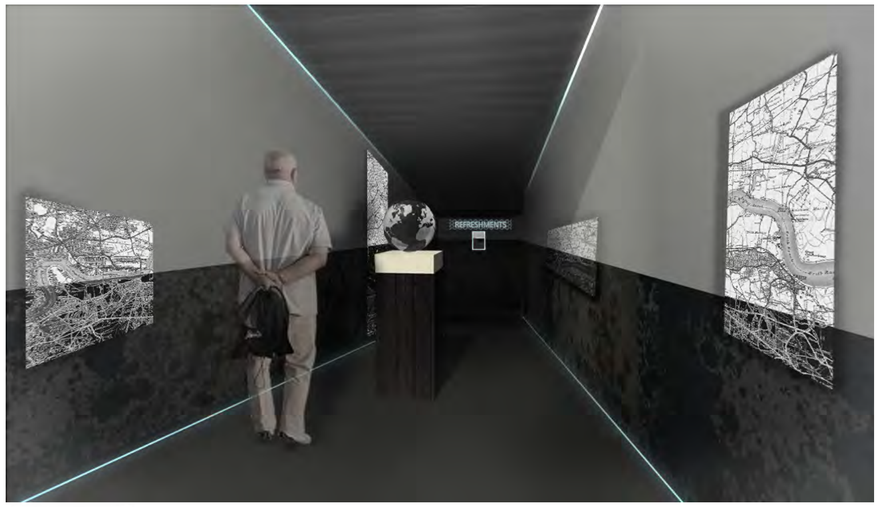


ABOVE AND BELOW

INTRIGUE TO IMMERSED

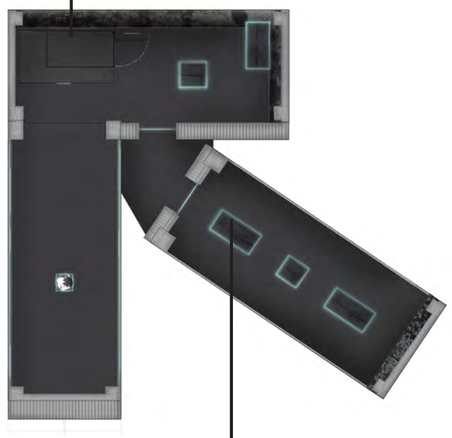
ENLIGHTENED BY THE DARKER DEPTHS

Signage runs vertically down one edge of the entrance, giving guests a layer of context before they enter. Walking down into the darkness shall feel uneasy and disconcerting, however, the information displays and LED lighting will effortlessly capture peoples attention.



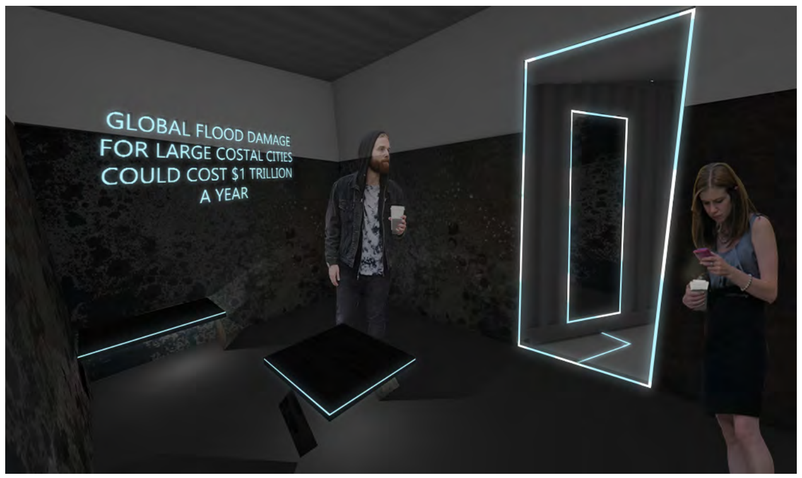
Although it maybe the refreshment point inside this pop-up which first captures peoples eye, they shall have to travel through the space, meaning the surrounding message cannot be ignored. To the right you can see how lighting shall be used upon the surface of the globe, it shall represent the stages of the rising sea-levels across the world. They will fade through varying stages of predicted flooding, from the current state of our planet, transitioning through to 50+ years time. This unique appearance shall engage and intrigue onlookers.

The refreshment point is one small ‘box’ in the corner of the space, with two windows (order and collection). This allows the limitation of light and noise pollution, it also has a level floor, to make a more pleasant working environment.

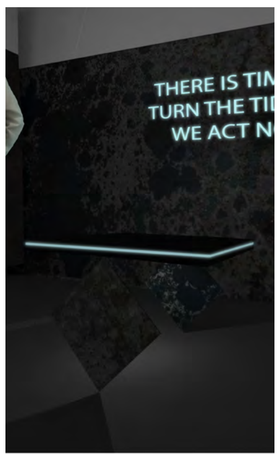


The third and final container is the only one to be completely under ‘the water line’. This is the most immersive and focused space with the least connection to the outside world, yet it makes you consider the world in which we live the most. Facts and striking quotes continue to light up the walls.

FOCUSED
STILL
IMMERSED



Here you can see where people have collected their refreshments and begin the notice the possible QR iterations. The transition space between the two lower containers can also be seen, the openings have been illuminated, a strip of light leads you from one opening to the next. The LED lighting allows for a safe passage and means people are effortlessly lead around the space.



SUBMERGED
PRESSURIZED
BENEATH

Finally a depiction of the result of the QR code and interactive map being engaged with... as a flood projection engulfs the room. This shall happen to varying degrees (dependant on how far away the risk is in years) each time a predicted floor zone is searched. This is hard hitting, yet necessary to enact a change in the way we treat our planet, drawing a personal impact to the issue is how best to do this.