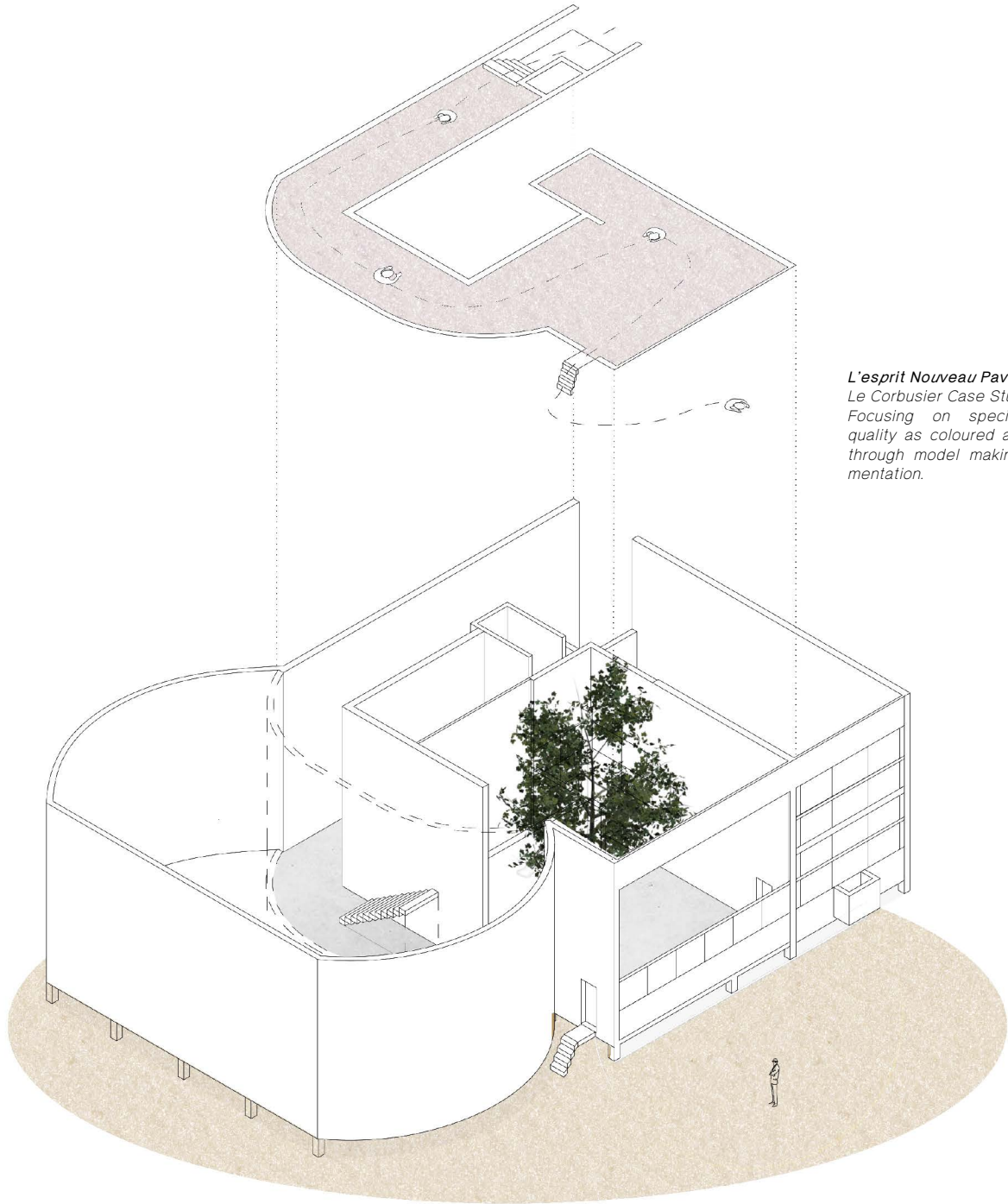


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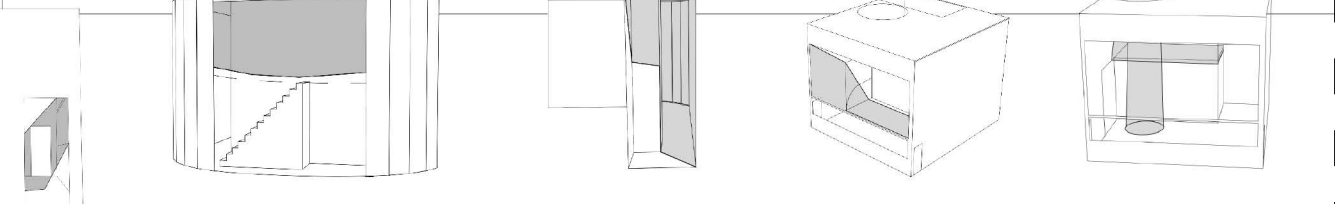
ARCHITECTURE  
UNDERGRADUATE WORK  
2016-2019

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# CASE STUDY



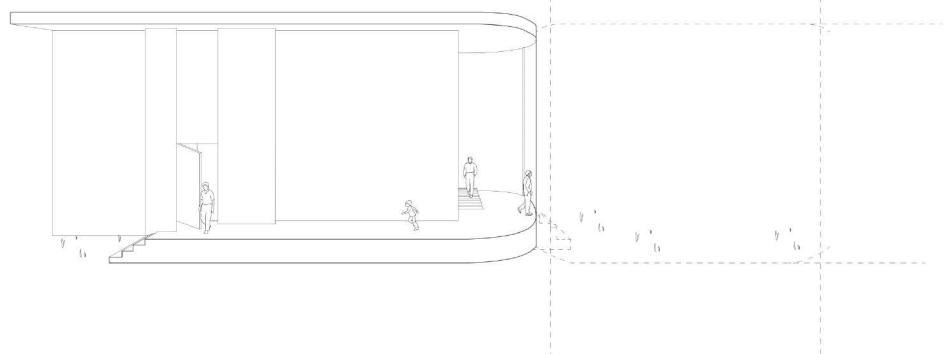
*L'esprit Nouveau Pavillon by  
Le Corbusier Case Study (2017)  
Focusing on specific spatial  
quality as coloured and analyse  
through model making experi-  
mentation.*



*Unfolded model making experimented with specific light spots to analyse if lights has affect users experience.*

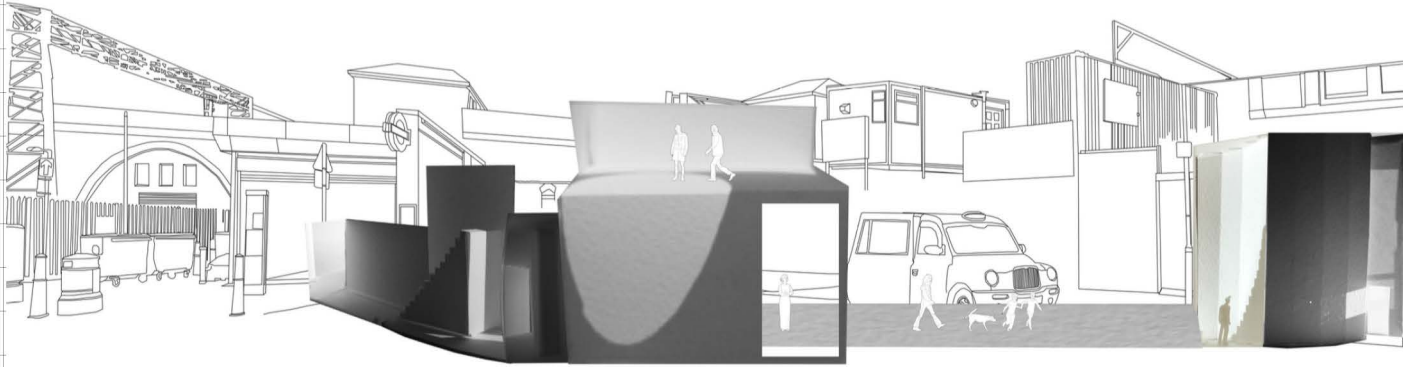
*Paper model is made from origami pattern, and the study of seamless design, elevation and material.*

*An analysis that how curve influence the exhibition part and passage way that lead to the upper floor. How the Architect reject the decorative arts and represents practical aspect through this pavillion.*

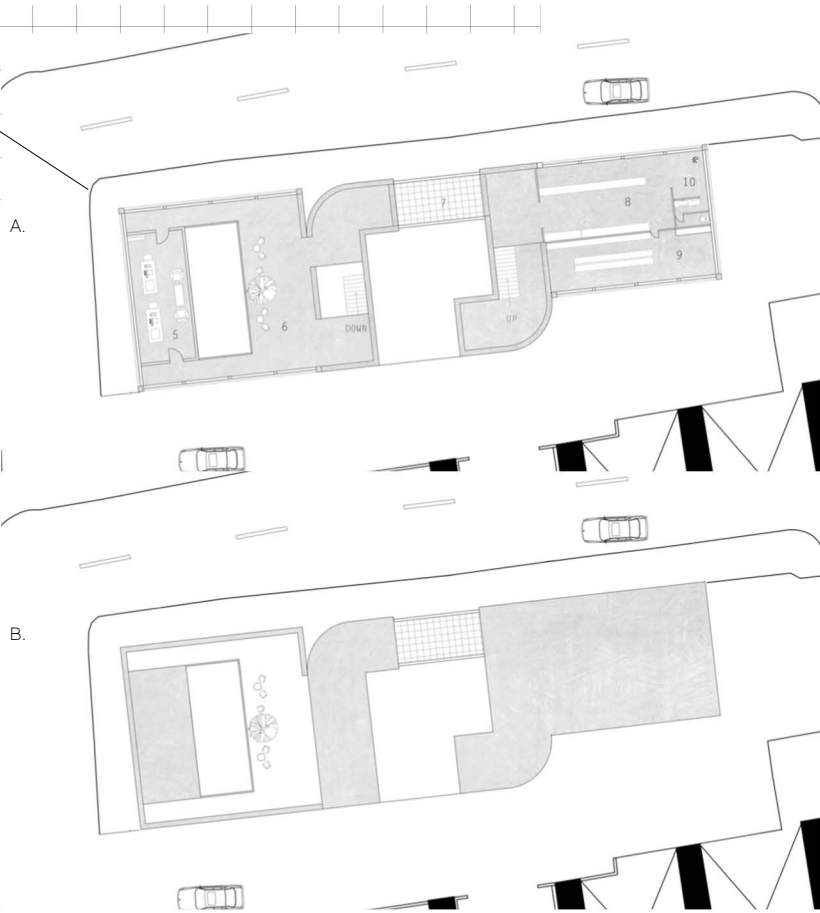


# TOOLS MARKET PROPOSAL

*Bethnal Green Tools market to be replace the old taxi company within the automotive area in Bethnal green, the tools market will provide contemporary space for all type of users and gather up people who share the same needs.*



Floorplan set



*Influence by L'esprit Nouveau Pavillon two major curves as passage way and open air bridge and rooftop.*

*The site has situated in the middle so that other vehicle will be able to pass through the garage underneath the railway.*



Near by Garages

UNOCCUPIED SPACE

COLT CABS

DUNBRIDGE CAB COMPANY LTD

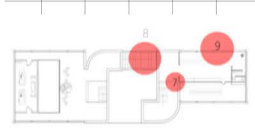
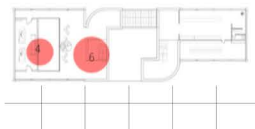
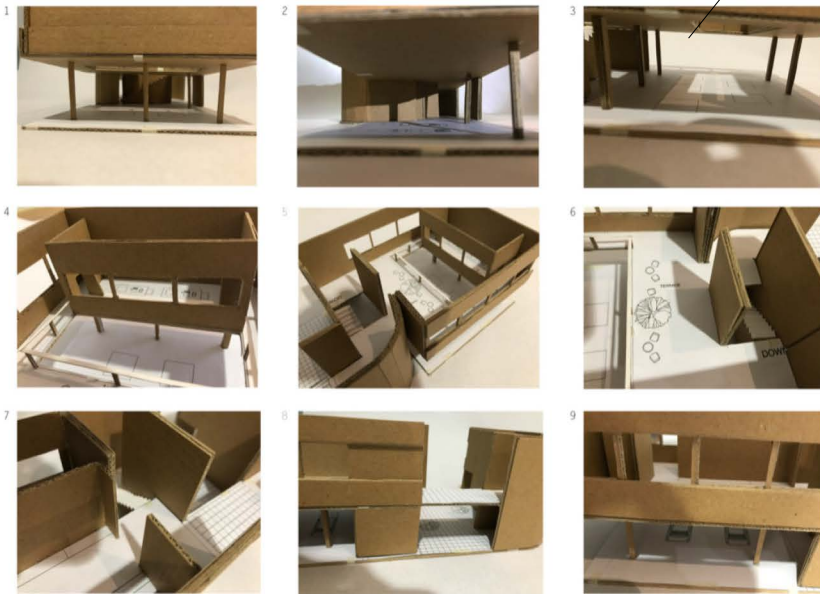
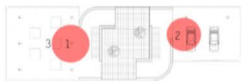


GARAGE REPAIRING TAXI UNDERNEATH THE RAILWAY

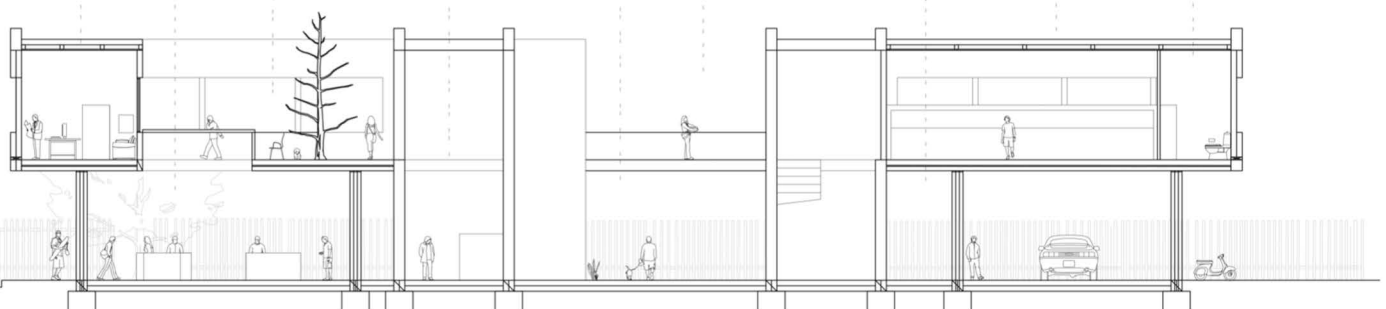
CAR PARK - ABADONED CARS



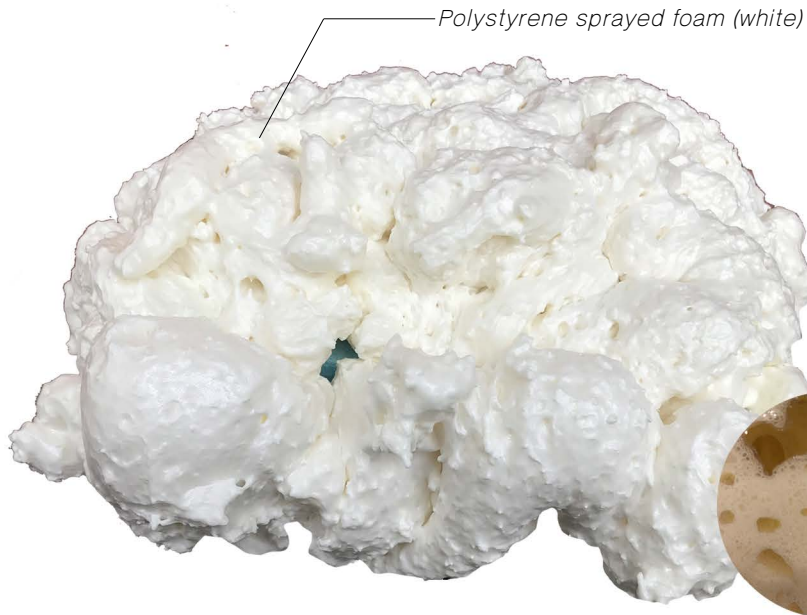
1 : 200 Model



OFFICE MARKET TERREACE PASSAGE GARDEN BRIDGE VEHECLE ACCESS STORAGE TOILET



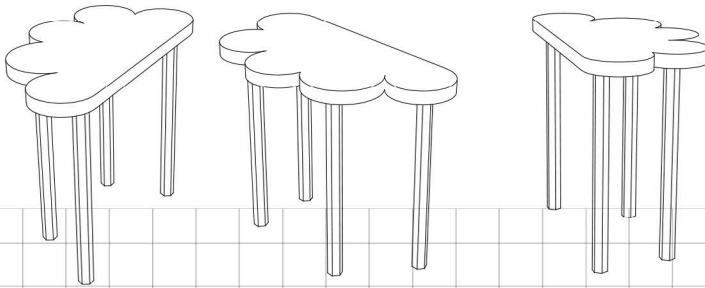
# MATERIAL ANALYSIS



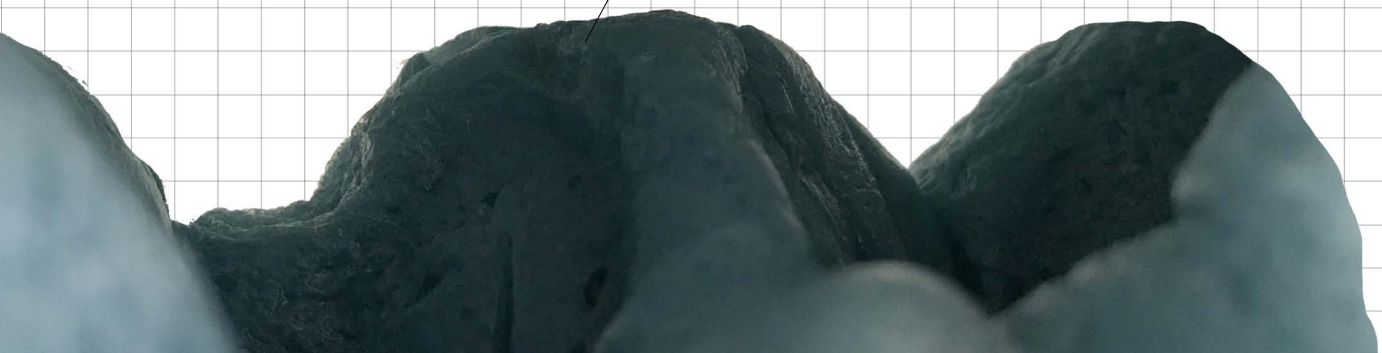
Explored and using PS sprayed as an allocated material by tutor in order to design an object. Cloud chair is inspired by Francois Boucher paintings and an installation by Anya Hindmarch follow Soho Dream concept.



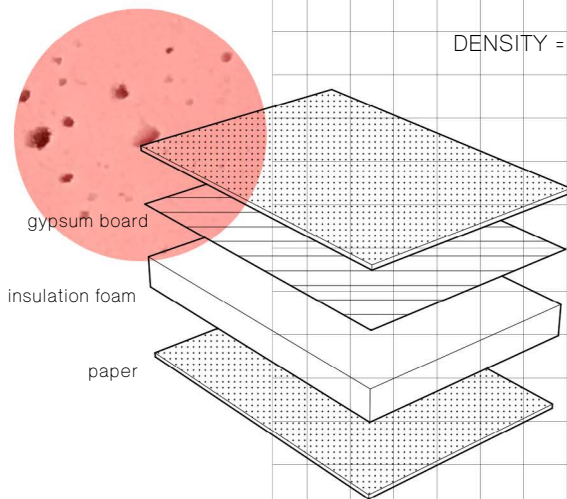
cloud chair prototype



Polystyrene sprayed foam (blue)



Extruded polystyrene insulation foam (pink)



$$\text{DENSITY} = \frac{\text{WEIGHT}}{\text{LENGTH} \times \text{WIDTH} \times \text{HEIGHT}}$$

**Both material** are mde from Poly-styrene and resin melted and molded into desire shapes, they are both rigid insulation panels. With high-density blue foam are used to resist compression under the heavy loads support structure.

With pink foam they are more various use with range of specific applications both interior and exterior wall, structure support, heating, roofing or foundation wall insulation

## RECYCLING

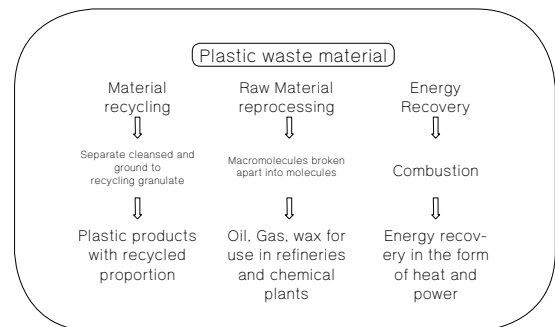
After allocated the 'foam' material by tutor as final thesis material. I am also concerned about the recycling after use.

There are also many waste construction panels left during constructing buildings and houses. Therefore, the question how to recycle construction panels should was paid attention to. And as we know that plastic is definitely affect global warming

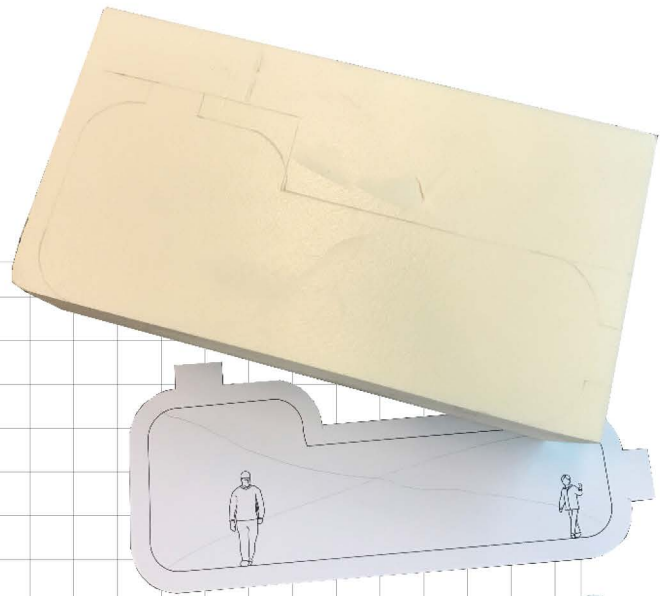
There are various way to recycle plastic depending on what type of plastic are they. For Example for EPS there are two options :

**Compactor - Re use**  
The waste construction panels will located inshide the machine container. And they aill be compress into blocks under the pressure after being cut into pieces by the machine blades.

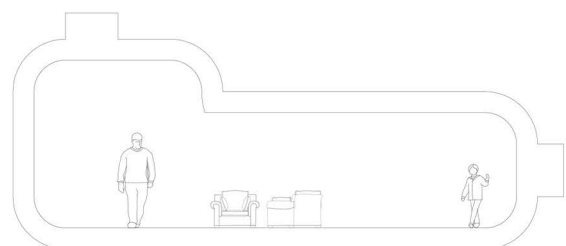
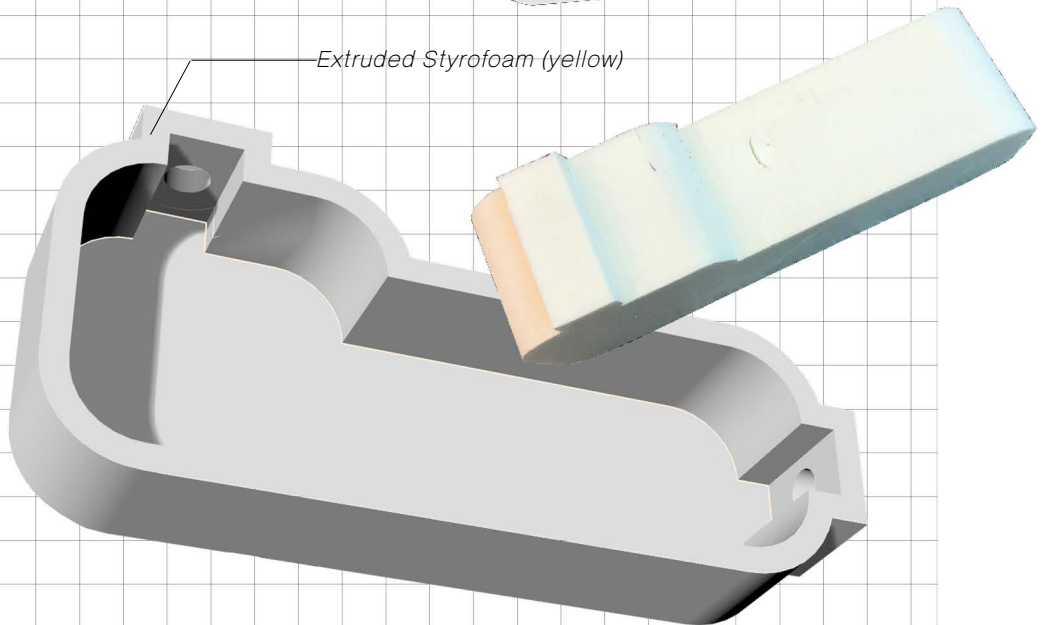
**Melter**  
The heat can melt down the foam insulation board down to a block and the block is hardened like a big stone and back to the process of production.



# PS / XPS



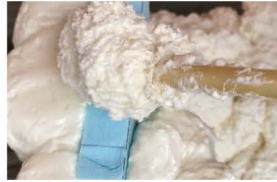
Extruded Styrofoam (yellow)



*Styrofoam is helped to support the prototype and mocking up process. Understanding properties that the styrofoam are solid enough for prototype but doesn't work with joints on itself.*

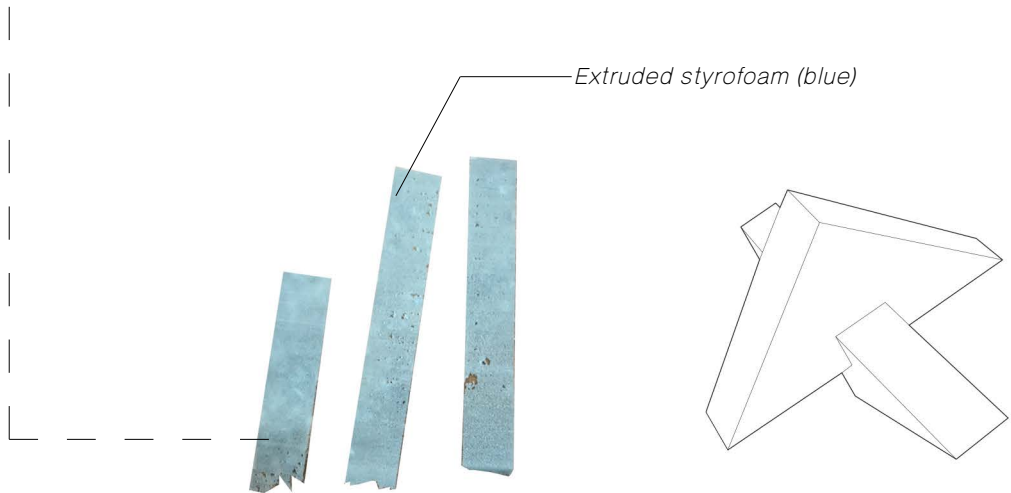
*The exploration of cave-like foam inspired by primitive modern concept.*





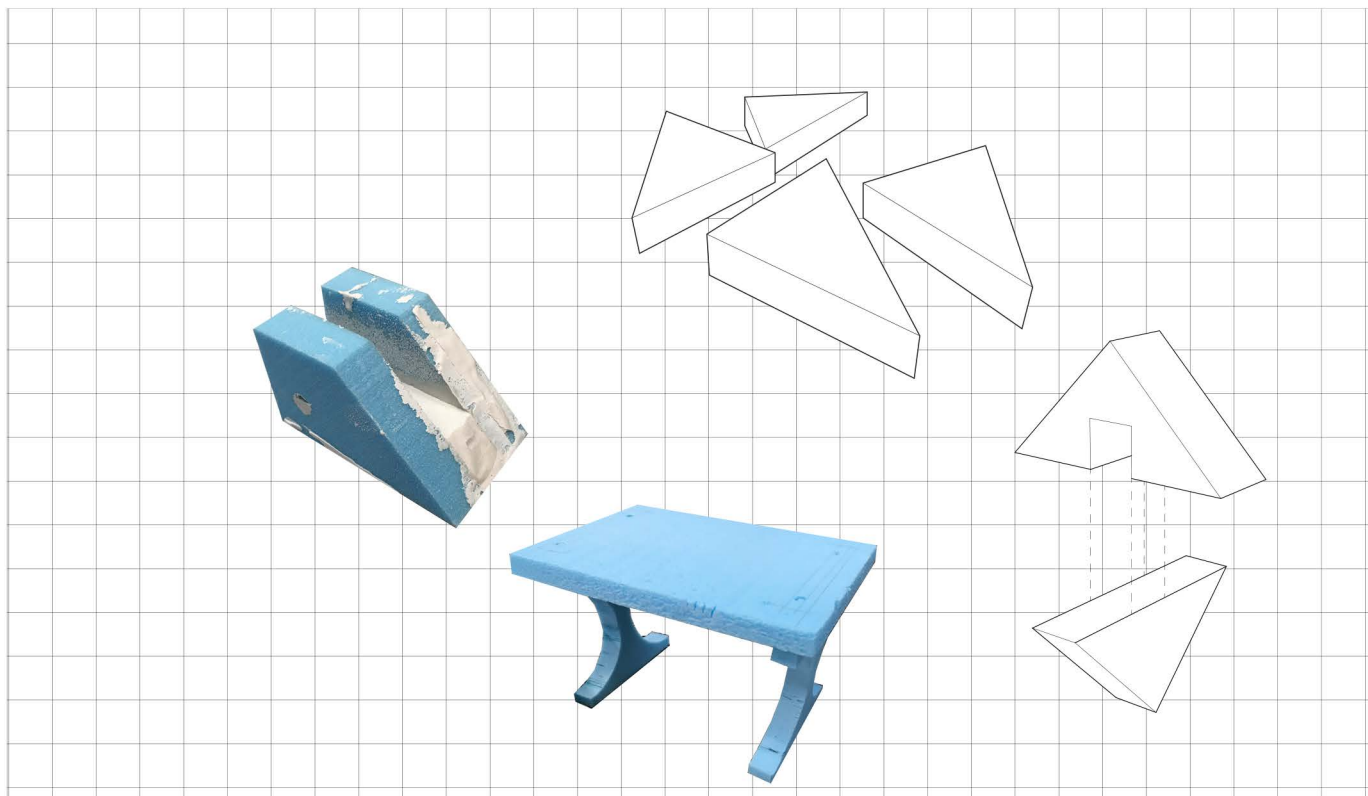
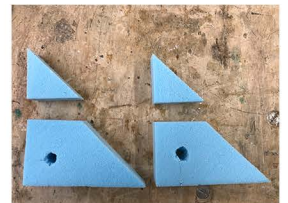
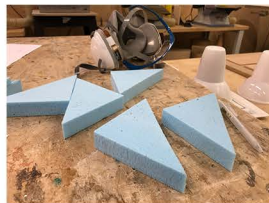
*Testing with spray foam looking at adhesive option*

*-The object becomes very strong after coated with spray foam but everything is out of control so it didn't get to the desire shape on the first attempted.*

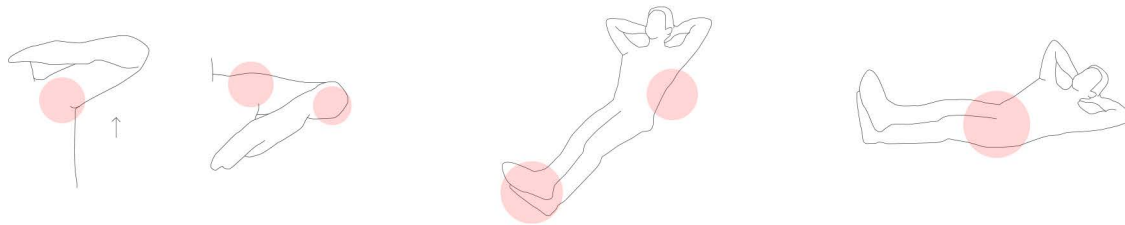


*Both material comes in different density colour and texture but sharing the same characteristic.*

*Material exploration - testing on joints, cutting, slice, hold punch. Joining with other adhesive material aiming to form a table.*

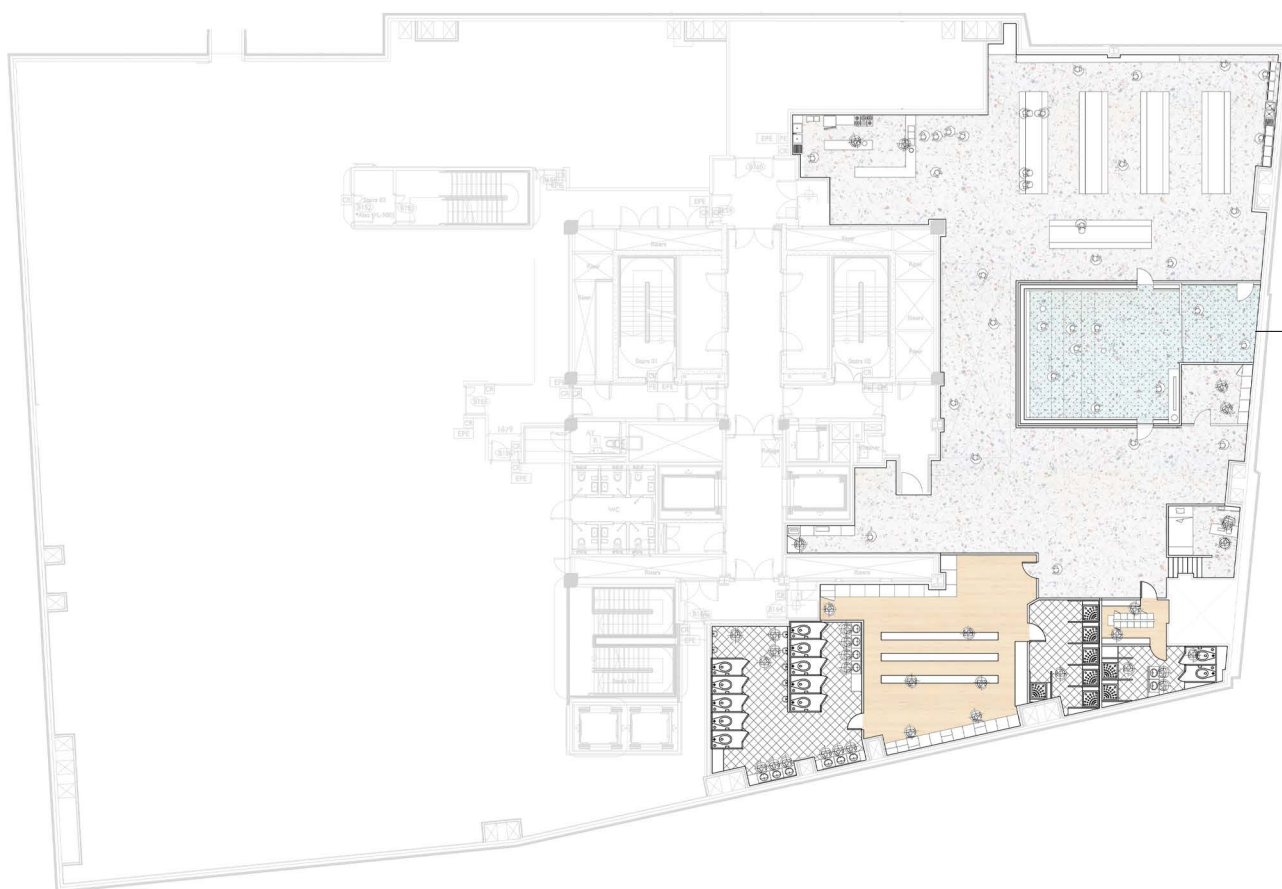


# TEMPORARY CAMP DESIGN

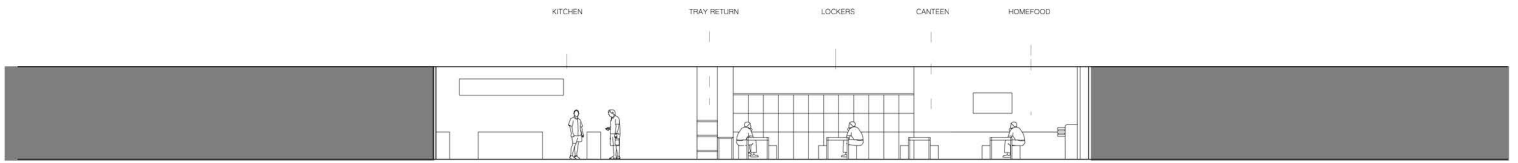
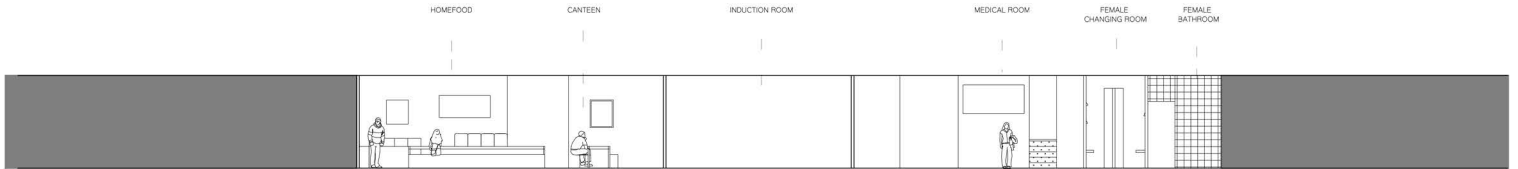
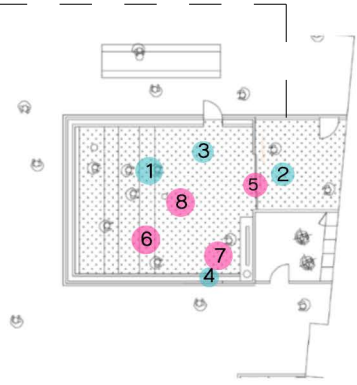


*Recycle foam emphasise colour and terrazzo-like texture that attracts children-friendly use as well as its characteristic is safe to user.*

*The material is aiming to be installed within the meeting room for seats and wall finishes.*



*different shapes and angle to support operatives's body and posture to reduce the tension during break or afterwork, during presentation and without being conscious leaning on material.*

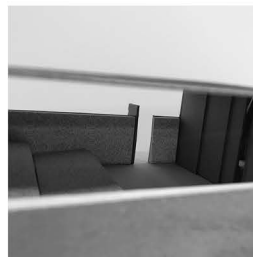
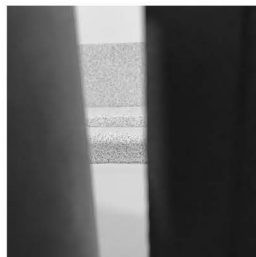
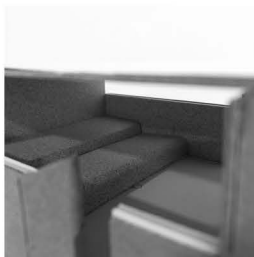


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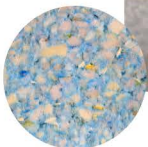
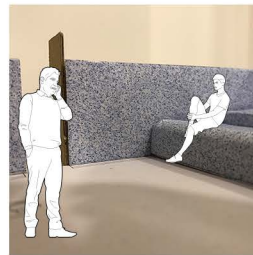


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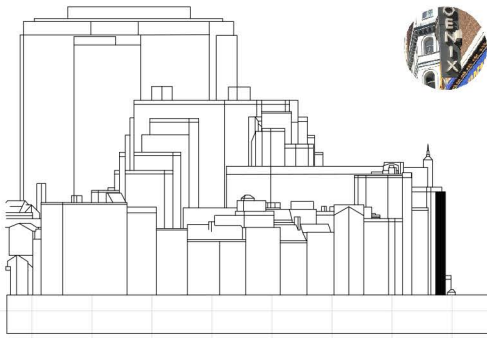
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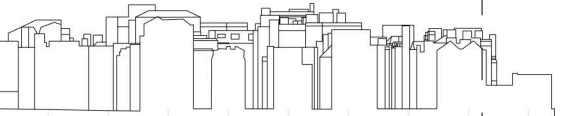
# SOHO



SITE



SITE



● *co-working space*

● *green/open space*



● *kid's programme*



# Soho Genre Collage

pub/bars/art and music



lgbt/diversity



display/graphic



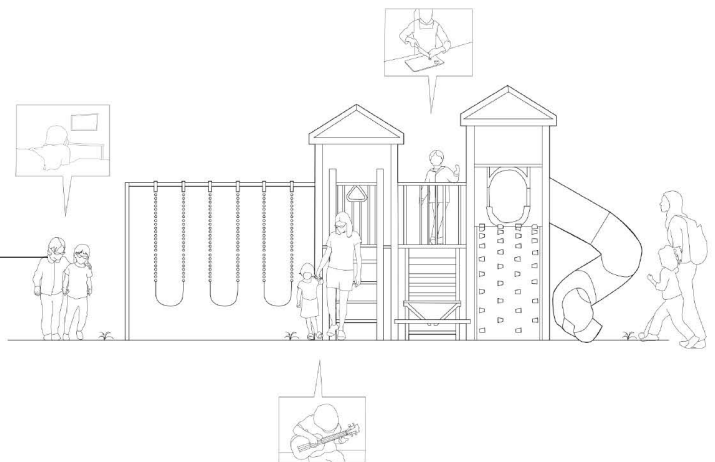
*Cultural Collage* represents that Soho, London has always been an active street with various of activity and movement that could influence users.

The project will be focusing on how characteristic of Soho influence the building design proposal.

The proposal is aiming to make Soho as one of a kid-friendly place, or a place that parents will be able to assure to bring kids around the area.

Since Soho is located in the city of London and inspired various type of users. Kids-friendly Co-working space would be an ideal programme that convince users to get productive and will be able to bring along their children.

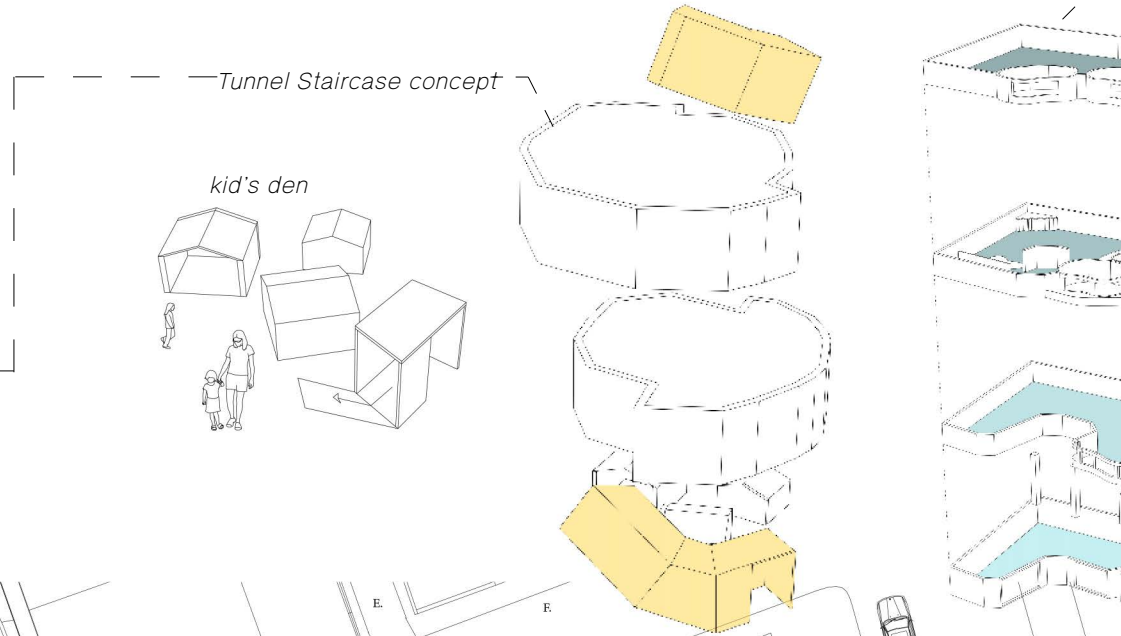
Design Concept Sketch



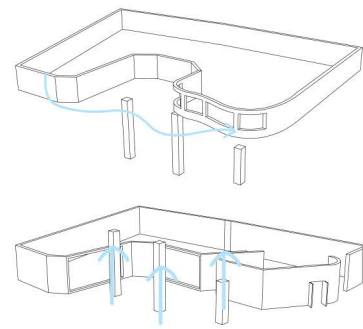
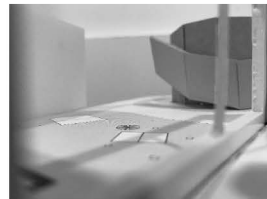
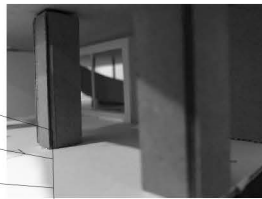
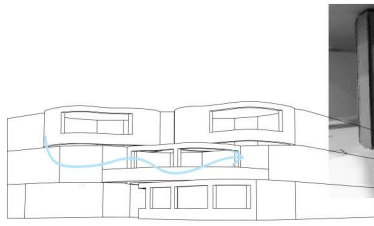
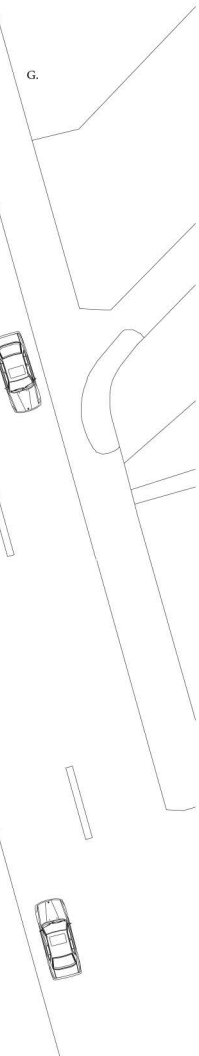
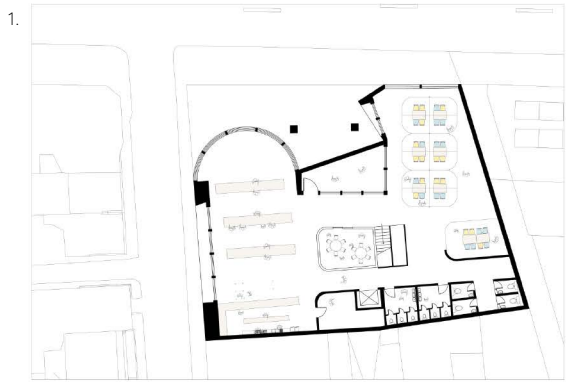
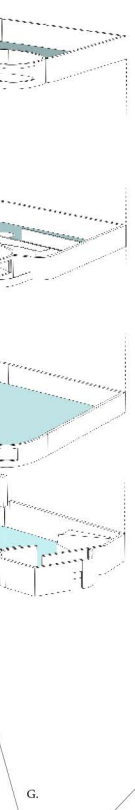
# KIDS-FRIENDLY CO-WORKING SPACE

*The building is divided into specific space for kids and for adults. The tower in the middle is a tunnel staircase that represents 'exploration' for both users. (explore and get productive as well as exploring soho and the building itself)*

*At the same time, using material that is kid's friendly and attracts to their eyes' color.*



—private and public division



The **tower** that consisted of child-care rooms on each floor. The staircase is designed as a tunnel that thrives along the tower which was inspired by the cave where the user will get the experience the difference spatial quality from inside the staircase tunnel and outside.

**Forrest of cloud** is the main design concept Shape and silhouette are based on kids toy that create interact development. The word cloud would represent something fun and unreal to be interact with. Lead from the earlier project, the cloud is still representing Soho. So I would like to apply this idea to coworking space proposal

In tropical terms cloud forest also means a water forest and primas forest where the forest exhibit a lot of mosses covering the ground and plants. Also representing to a place to hide and study.

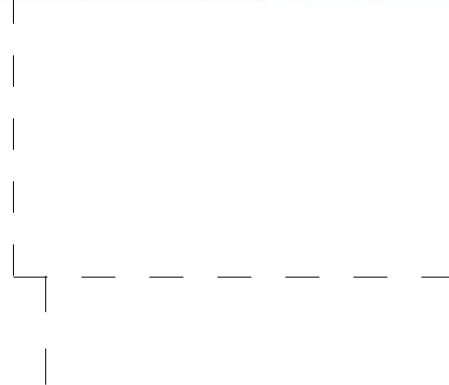
- A. Propose Site
- B. Manette Street
- C. Charing Cross Road
- D. Greek Street
- E. Entrance to Boderline (Concert venue)
- F. Small shops
- G. Across the road, Shops window

# MATERIALITY

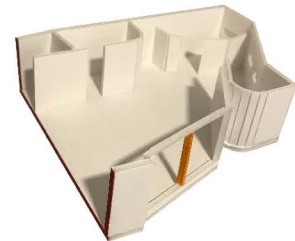
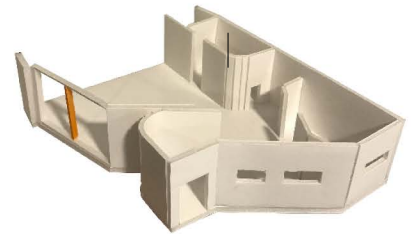


The **organic curve** silhouette was inspired by the cloud shape, representing unreal and artificial shape of Soho. And at the same time the steel frame is located on both sides and on the top to represent the controlling of the cloud that trapped inside. By the color of the steel frame is blue that still representing artificial colour that still blurring the proposal with Soho. (Vibrant colour)

The **plaza** area is defined by the columns that were inspired by the spatial moment project and that also represent that the building is lifted up and users stay underneath the cloud (building)

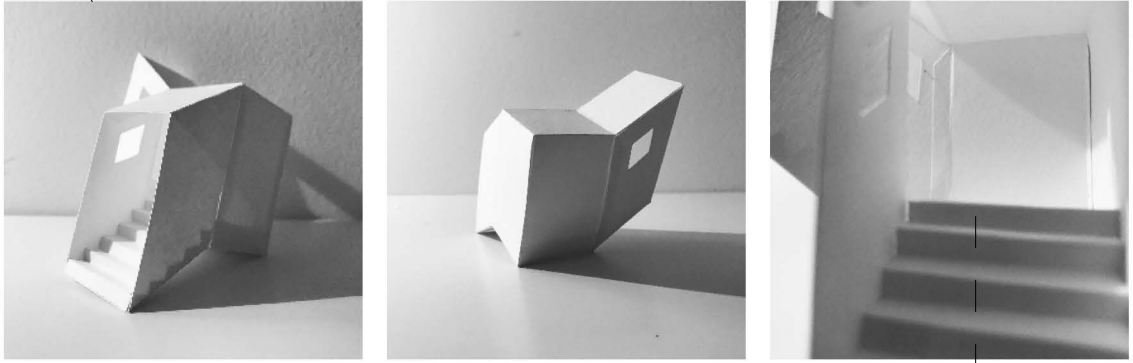


sectional model





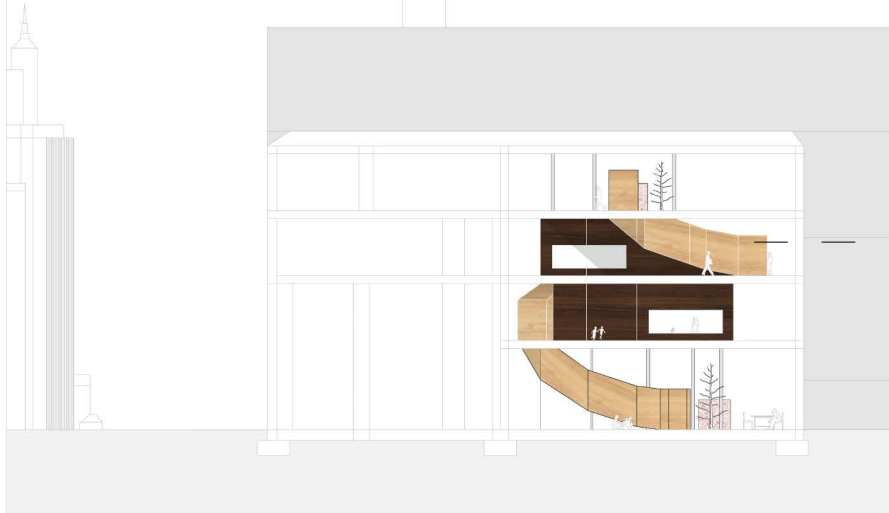
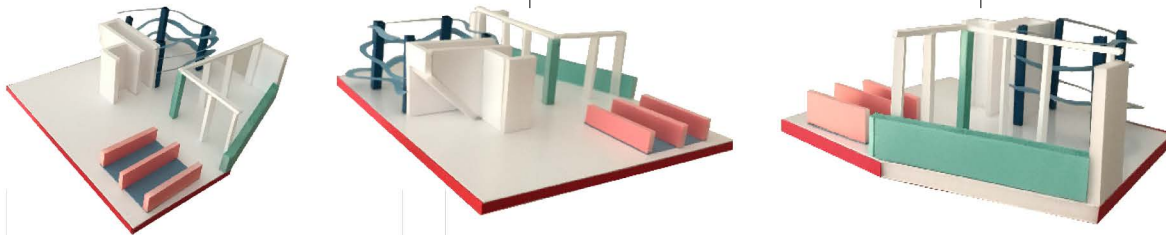
Tunnel Staircase



Located on **first floor and second floor** to accommodate children with register instructor, looking after kids when parents are busy. The curve are inspired by the tangible cloud silhouette in light blue colour.

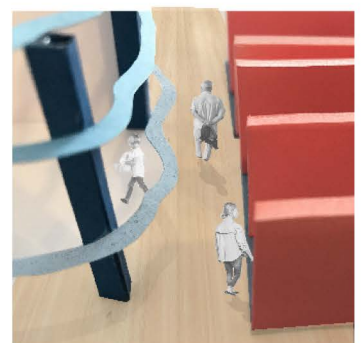
**Material combination** represents the diversity of Soho. Especially the tunnel that is made out of timber represents the design concept. Imitate forest resources.

**cladded** with transparent acrylic curve sheet. For parents to be able to look through inside and the material is safe compare to glass and bendable



*The proposal is aiming to make Soho as one of a kid-friendly place, or a place that parents will be able to assure to bring kids around the area.*

*Since Soho is located in the city of London and inspired various type of users, **Kids-friendly Co-working space** would be an ideal programme that convince users to get productive and will be able to bring along their children.*





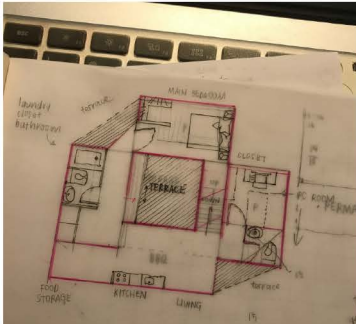
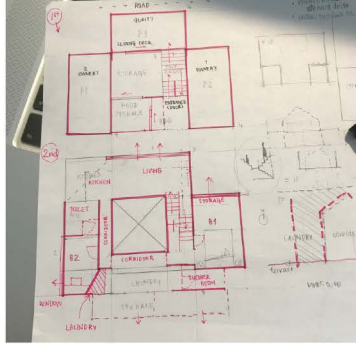
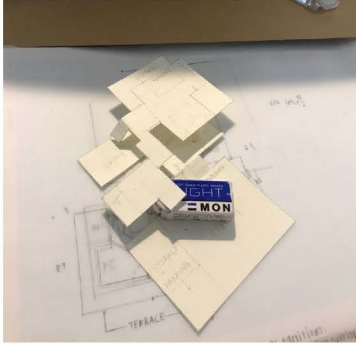
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## SUMMER EXPERIENCE

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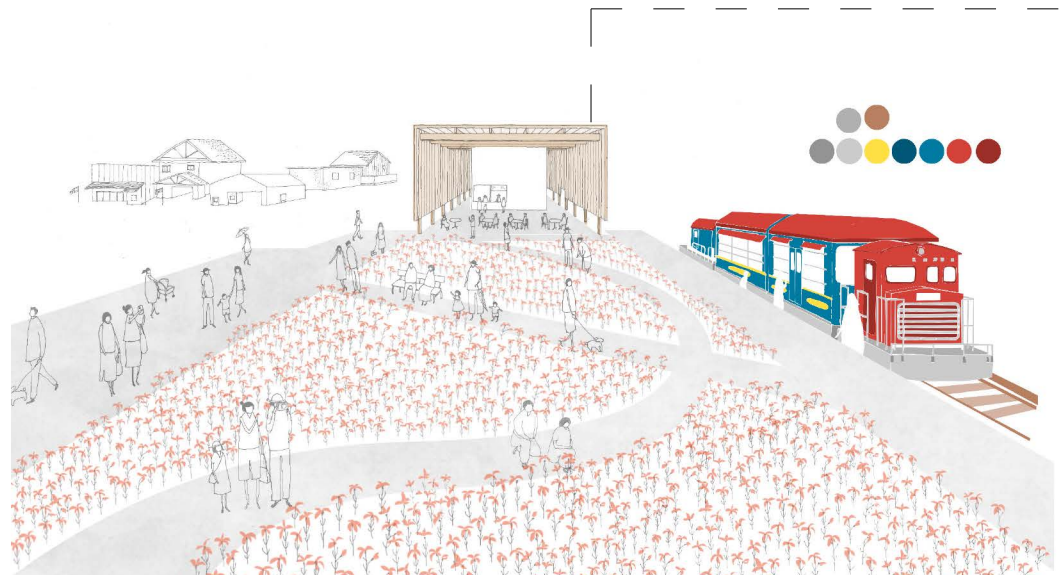
# JUN IGARASHI

Hokkaido, Japan



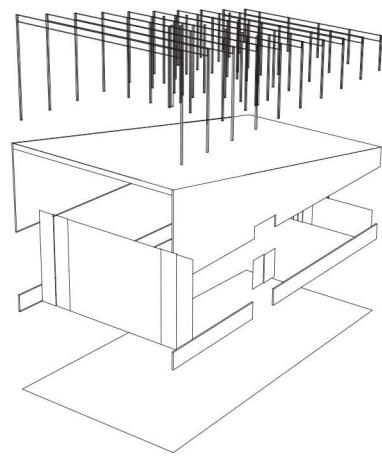
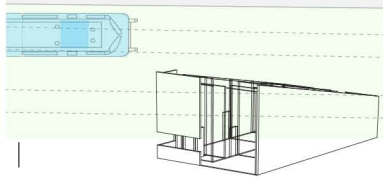
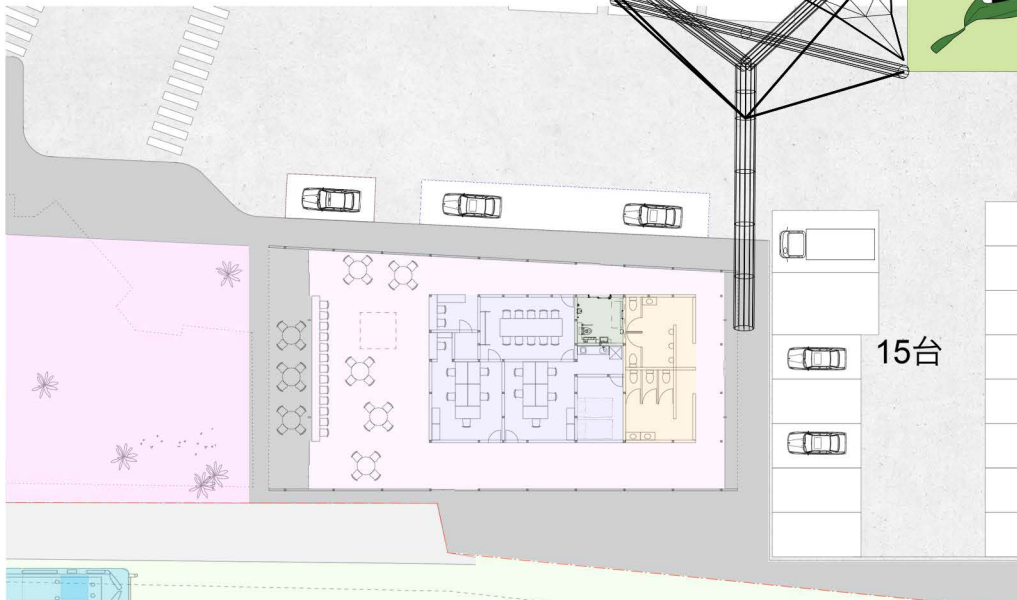
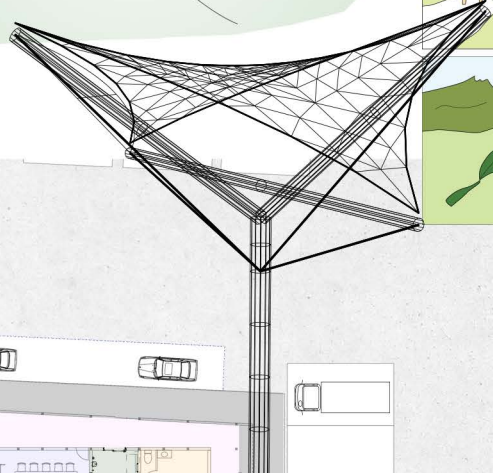
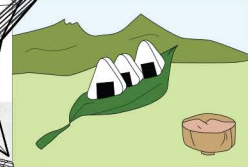
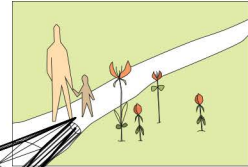
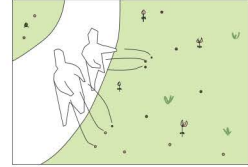
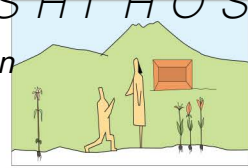
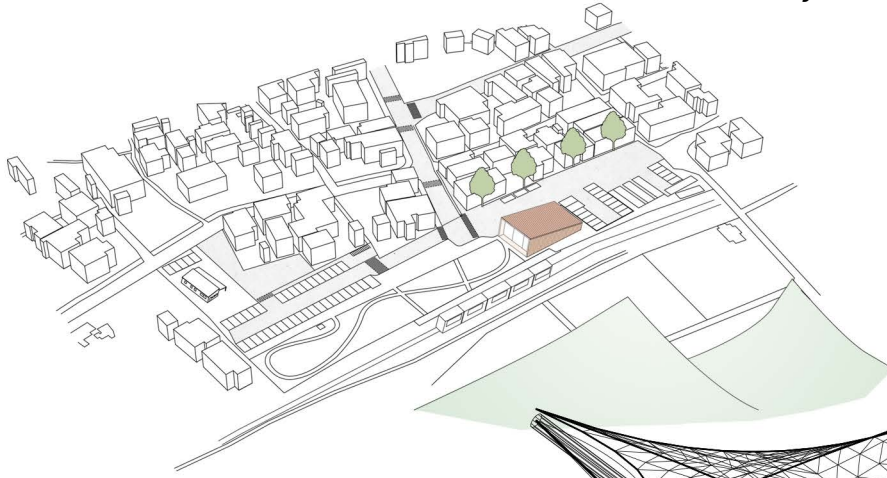
*2 months student internship position, that I got a chance to work with residential project. First time within professional practice environment and getting myself into constraint in real life was a quite struggle.*

*The visit to past work of Igarashi-san has inspired me a lot. I wrote the final dissertation about this case house later in the year.*



# TAKESHI HOSAKA

Tokyo, Japan



*2nd time 2 months student internship position in Japan, Tokyo. I got chances to work on competition, train and beach theatre. I adapted myself quickly within the environment this time.*

*I did more on model making, by hands and digitally. Concept sketch drawing and working as a team.*

