

AD671_STUDIO_11

APAS · ZE BDEH

NATALIA_MATASOVA_19813833

CHAPTER_01 Previous work

CHAPTER_02 Drawing Process

CHAPTER_03 Final Drawings

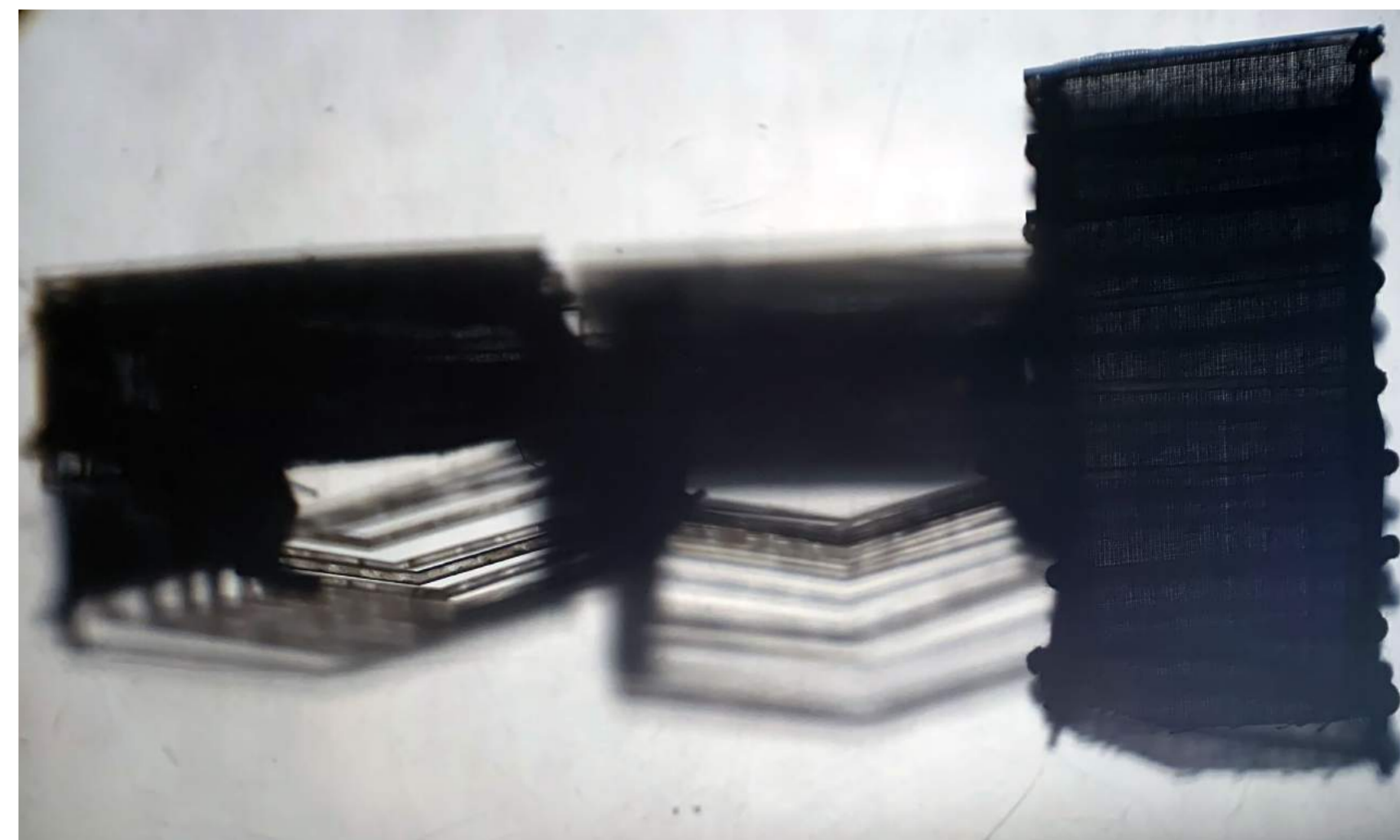
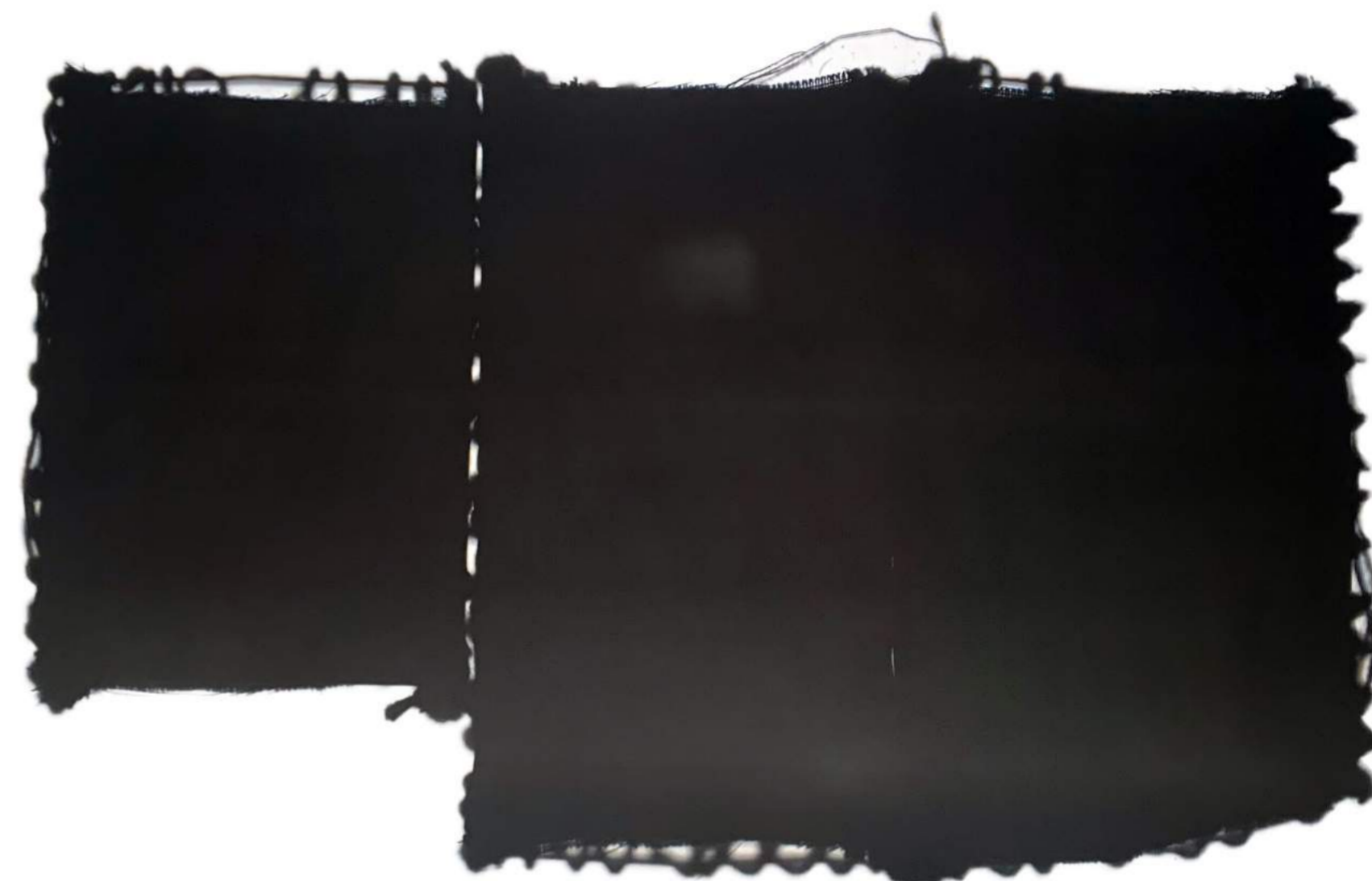
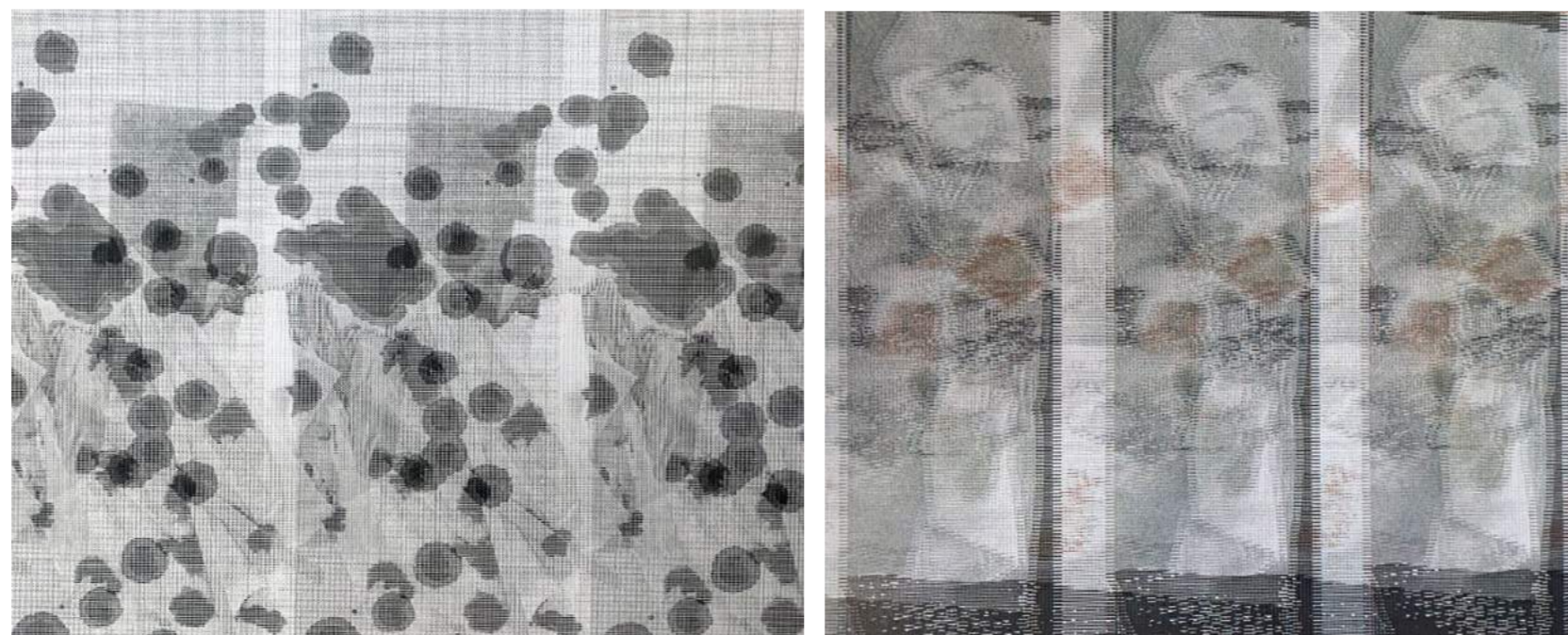
CHAPTER_01 *Previous work*

TERM 1

First term has informed my Hidden Spa Project. Within the first term, Studio_11 was exploring the site - Phoenix Industrial Estate in Lewes. We had 3 lenses to encourage us, these were: 'sensory lens' (feeling-seeing), 'architectural lens' (tangible-intangible) and 'relational lens' (the present-the present doesn't exist).

Through collages I have developed an idea of reflections on site where I started to explore the River Ouse, reflecting the light.

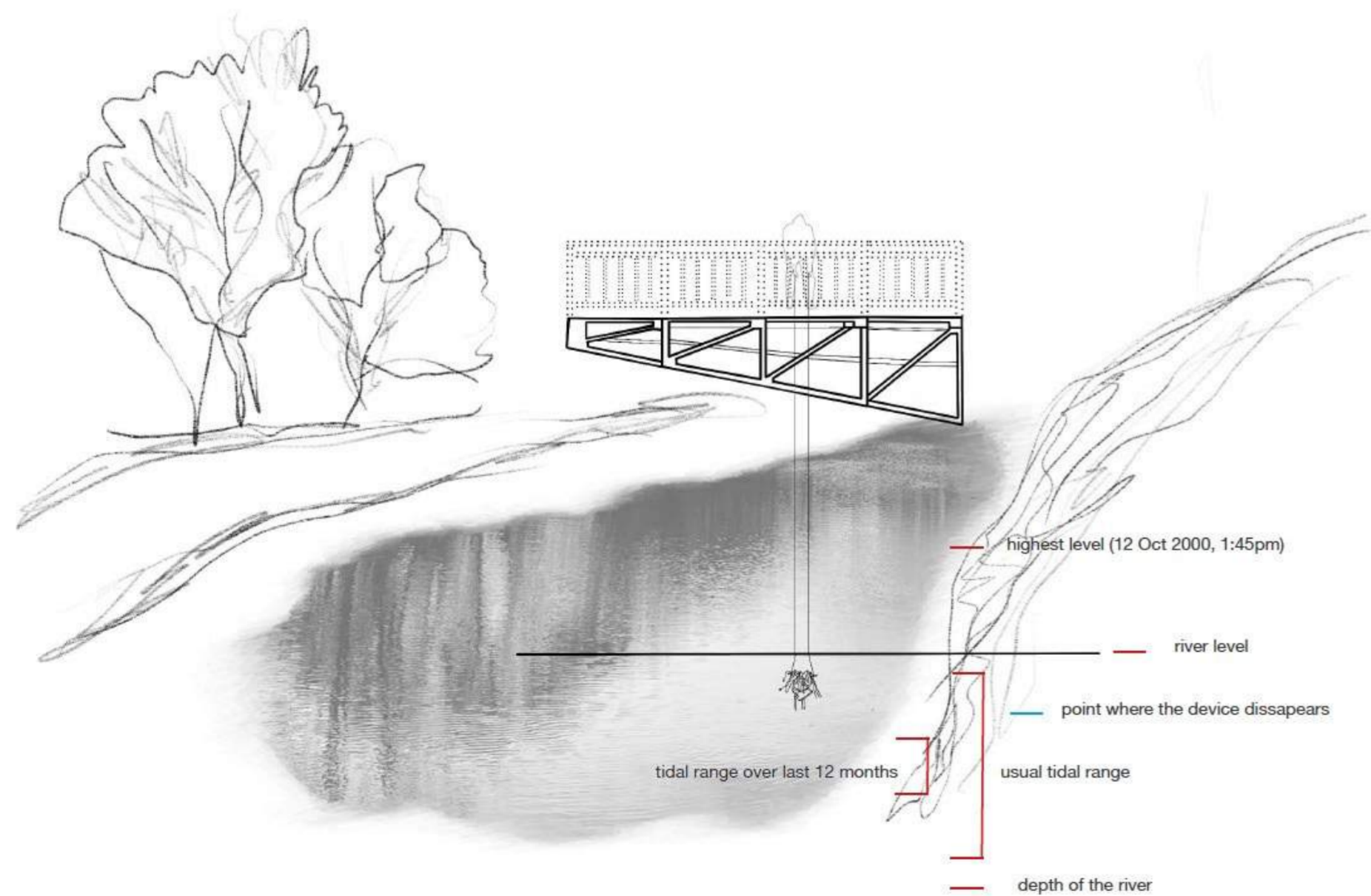
[Photos shown are from Term 1]



TERM 1

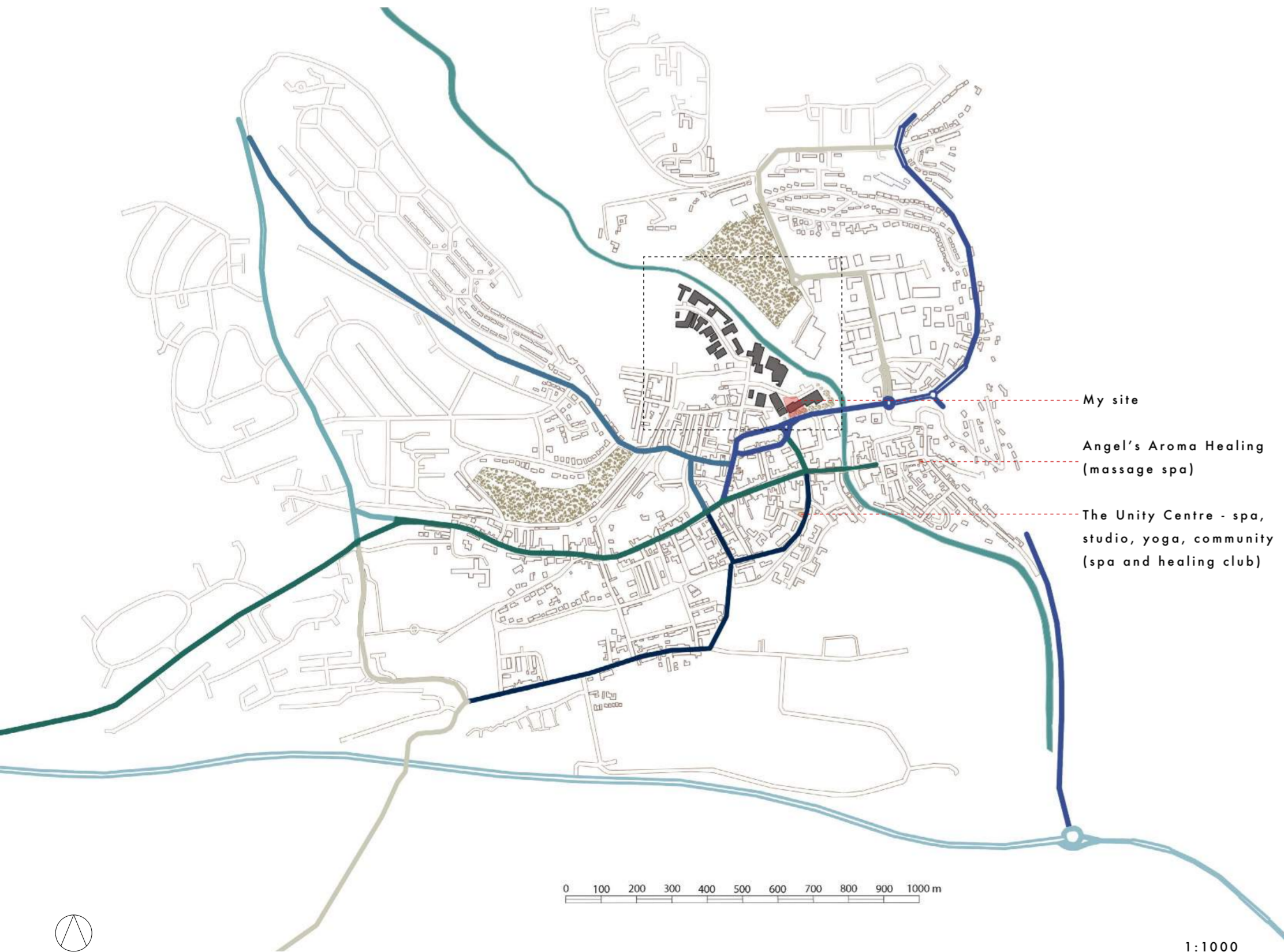
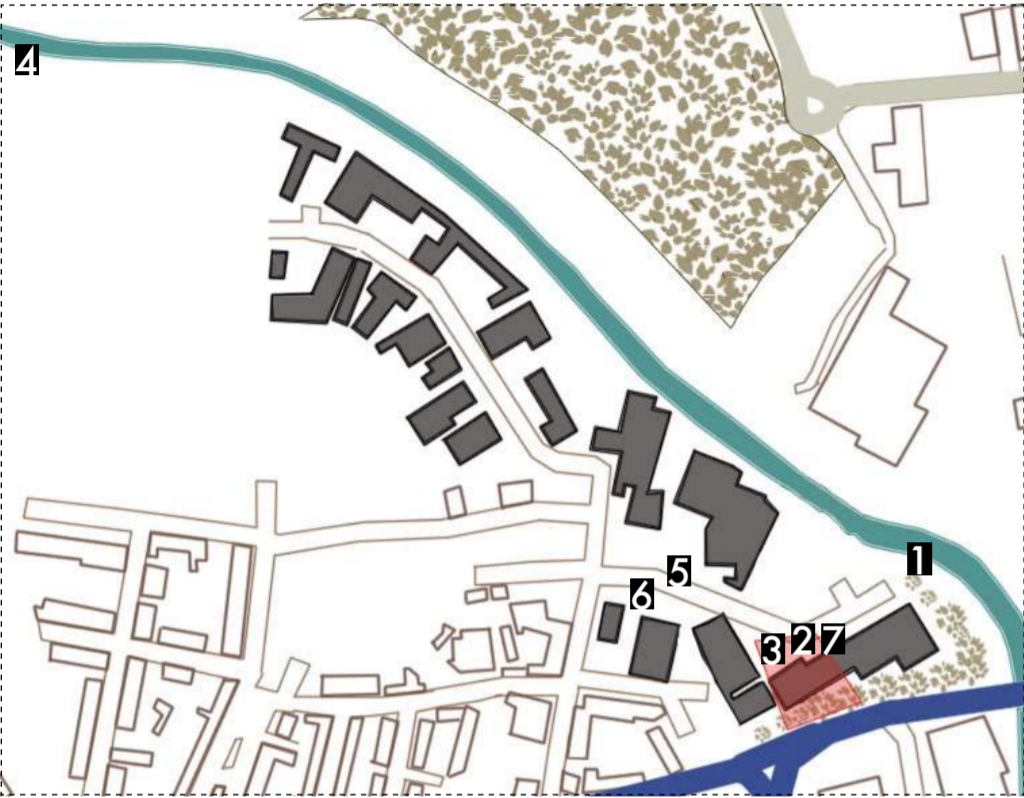
I have created a device that reflects light under the water usinf different tides levels.
This has been tested in the River Ouse from a bridge.

[Photos shown are from Term 1]



CHAPTER_02 Drawing Process

SITE



PHOENIX _ INDUSTRIAL _ ESTATE _ LEWES _ BN7 2QJ

Phoenix Industrial estate is highlighted on the map in the grey. I am using some of the building in my proposal. The area is one of the lowest points in Lewes, meaning it is easily flooded by the River Ouse that is close to the site.

BRIEF

I am designing a Spa located in the Phoenix Industrial Estate. Spa's are usually located in a higher up environment, allowing the clients to relax and see the views. Lewes is a nice town to look at, however, I want to create a private spa in one of the lowest parts in Lewes. The spa would be hidden accessed using a specific entrance that will divide the real world and the world you imagine, a relaxing place. The views are still possible to see from the roof and higher points within proposal.

Due to Lewes being prone to flooding, it will be important for the design to be protected. Therefore, the design has its water points at the ground floor, protected using water resistant materials. The client for a Spa is a woman.

Lewes has one public small spa called the Unity Centre, open to the whole community. Angel's Aroma club is a private business by Angelica, creating a personal, closer in touch experience with the clients.

CLIENT



Elderly woman who wants to enjoy herself and feel welcomed in a friendly environment surrounded by only other women.

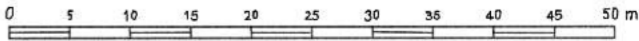
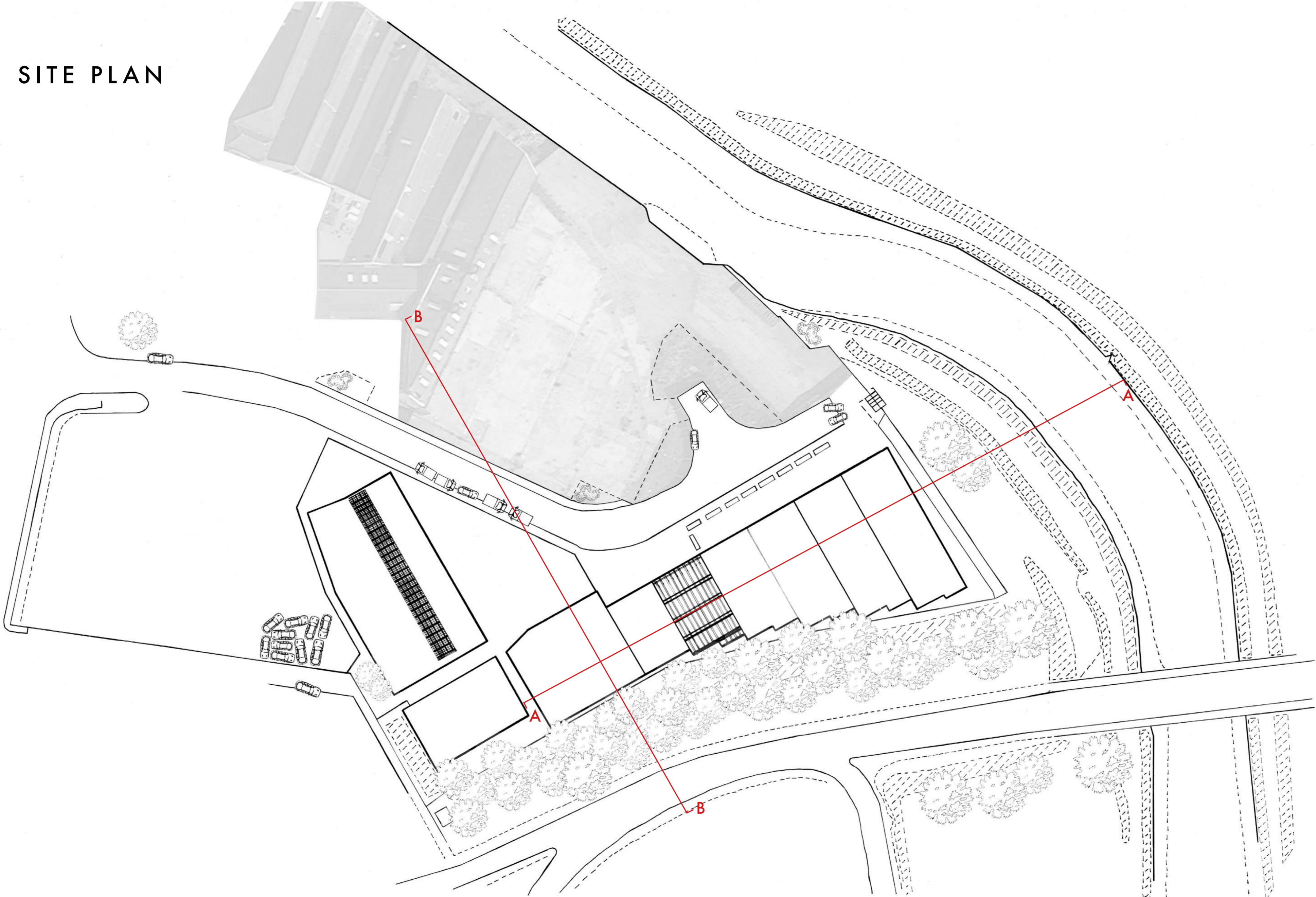


The main client is a woman who is a single mum. She needs to take some time away from everything and turn everything off. She needs a relaxing atmosphere with private and public spaces allowing her to be free.



University female students (mainly architecture ones) who need a weekend away to relax and recover from sitting at a table or in one place for too long.

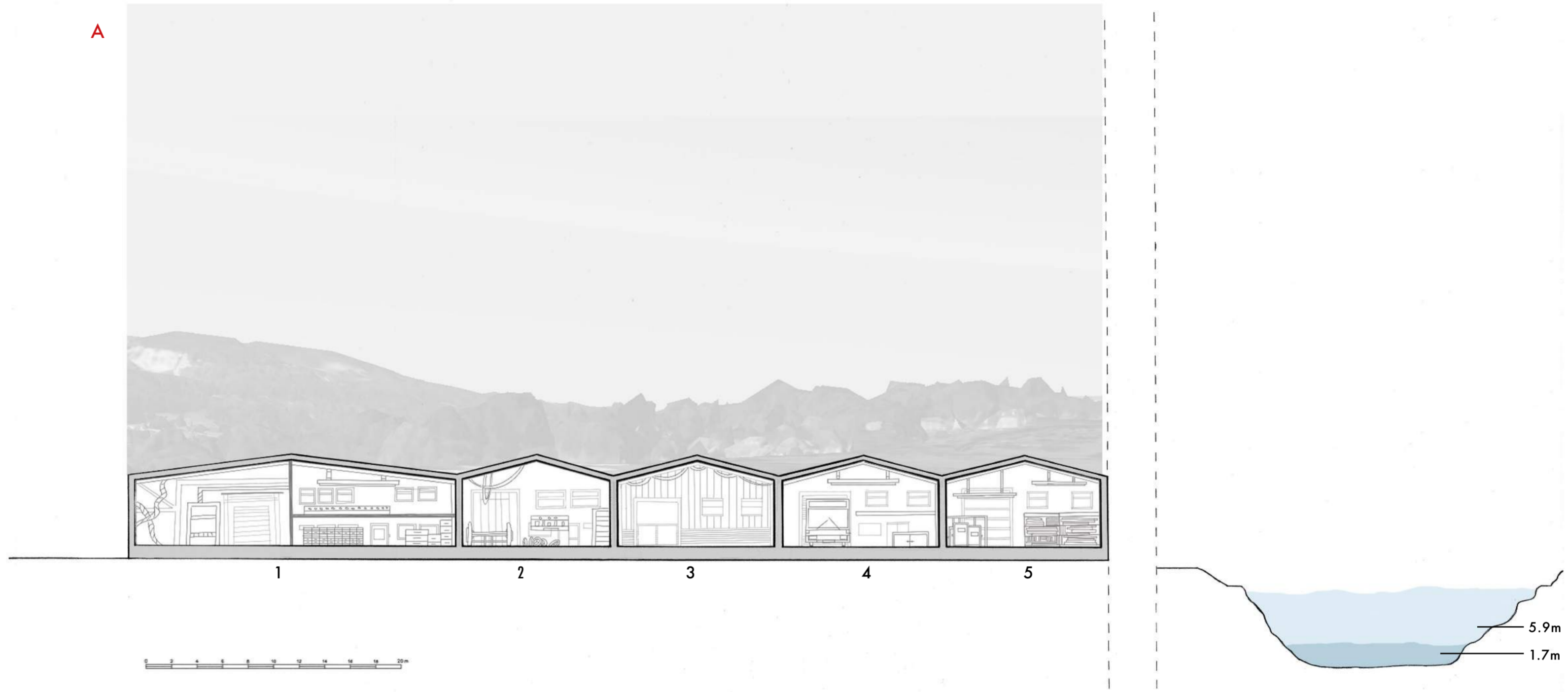
SITE PLAN



1:500 @ A2



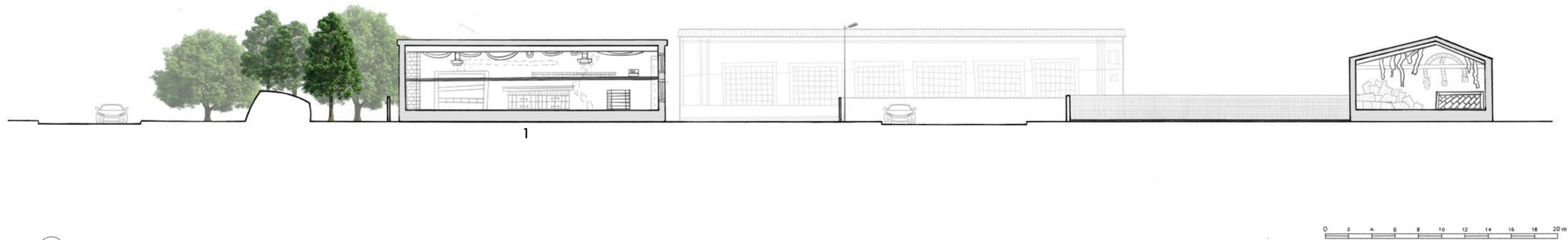
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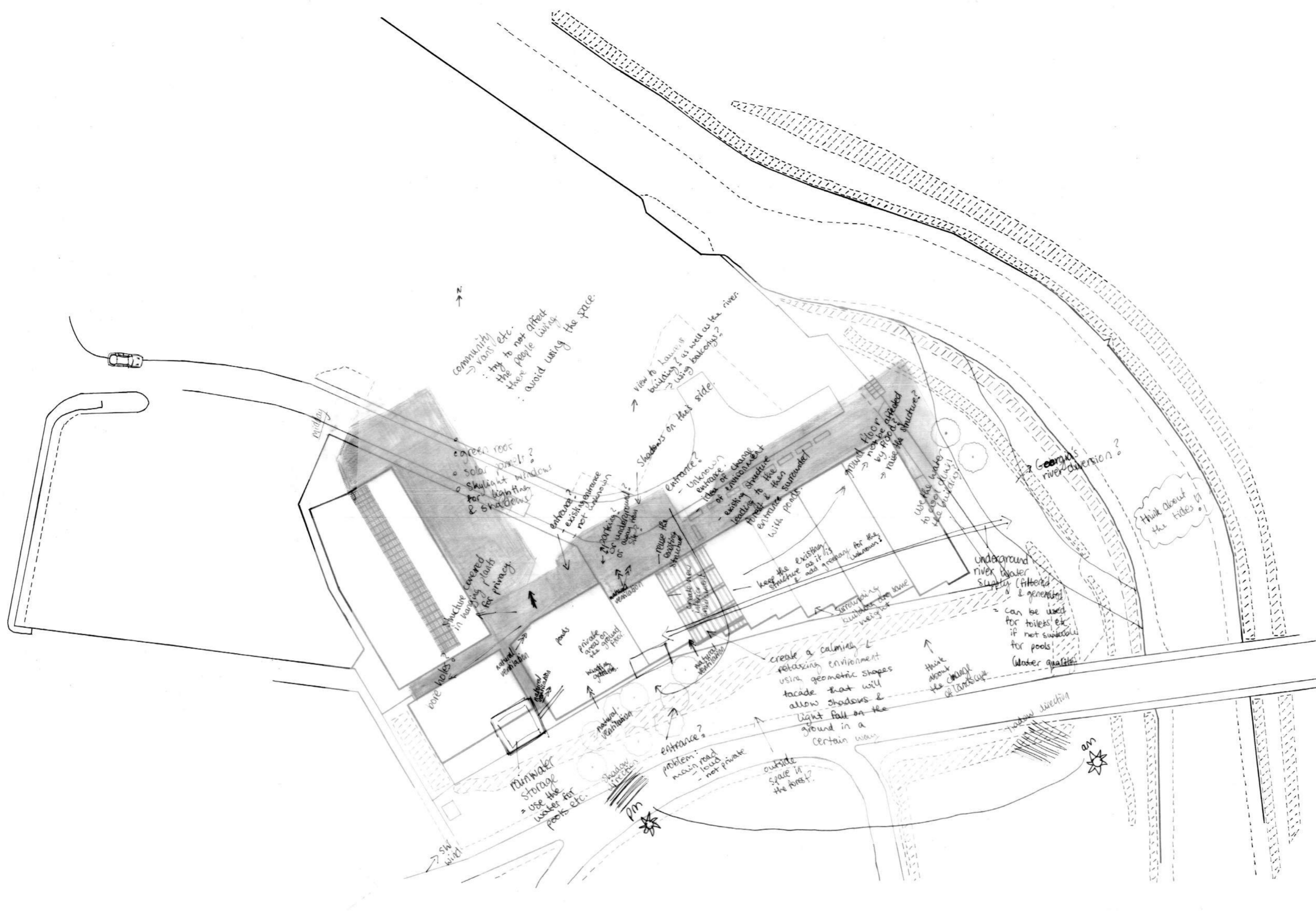


- 1) John Gosnell & Co Ltd. - Cosmetic Products Manufacturer
- 2) Car Parts & Accessories - Parts Distributor (out of use now)
- 3) Car Parts & Accessories second building (open roof & walls)
- 4) Compass Travel - Bus & Coach Company (Worthing)
- 5) Wenban-Smith Ltd. - Lumber Store

SITE SECTIONS

B





EXPLORING THE SITE

When exploring the site, there has been decisions made on key points for this project that are mentioned throughout.

INTERVIEWING REAL PEOPLE

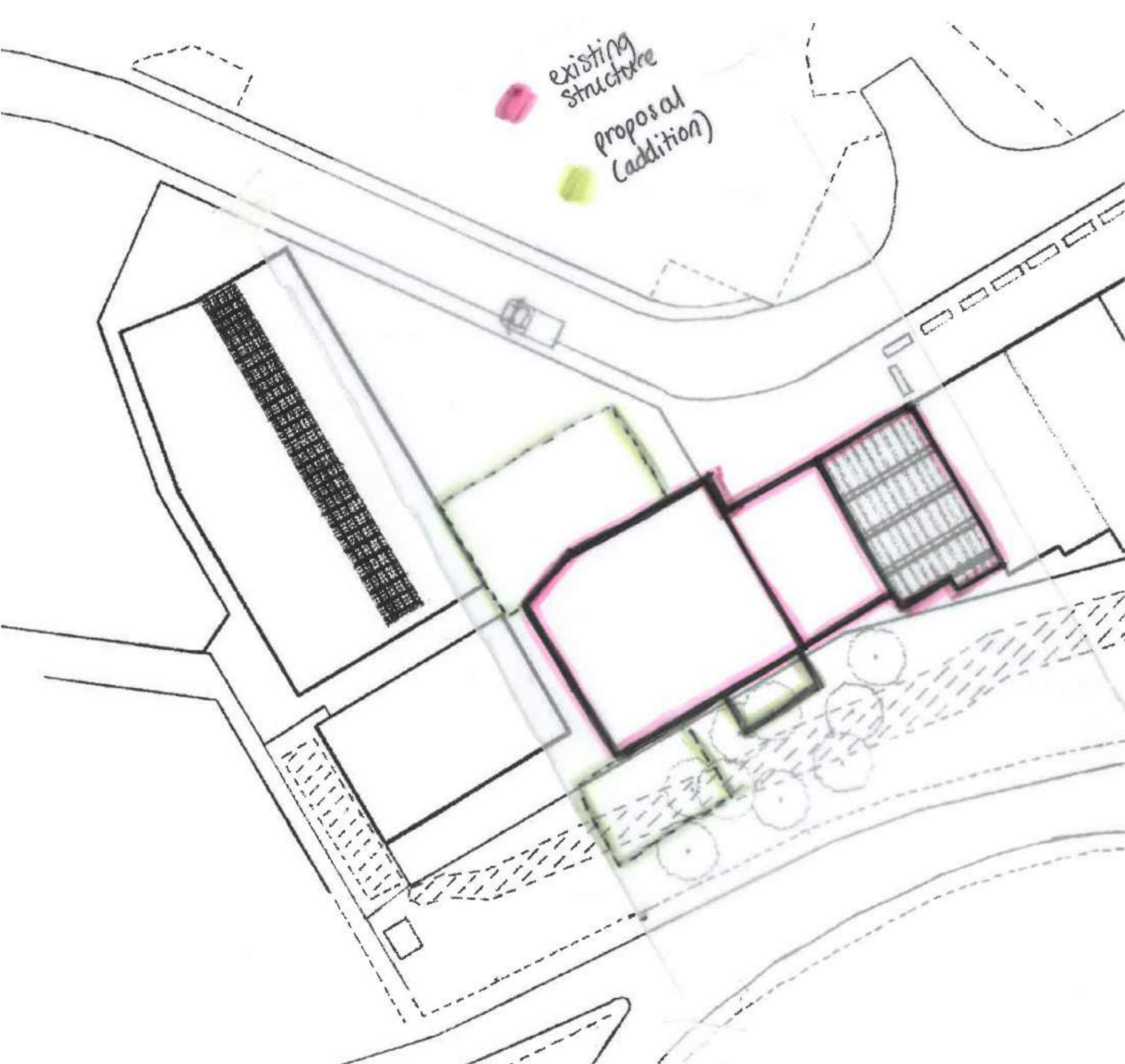
Mila visited an expensive spa in Crawley. When she entered she smelt sweet parfume in the whole building, she described it as "I could smell oils, sweet parfume like bubble gum and not chlorine".. There were drinks and snacks at the reception. If you wanted, you could buy salt and creams. She has been served champagne that was given at extra cost. There were massages, where could only 3 people be at once, pool with bubbles and other pools, methol sauna, face gel massages, and a peel with salt massage. The colours used in the spa were; brown and black for massages, white and purple for pools and red in sauna.



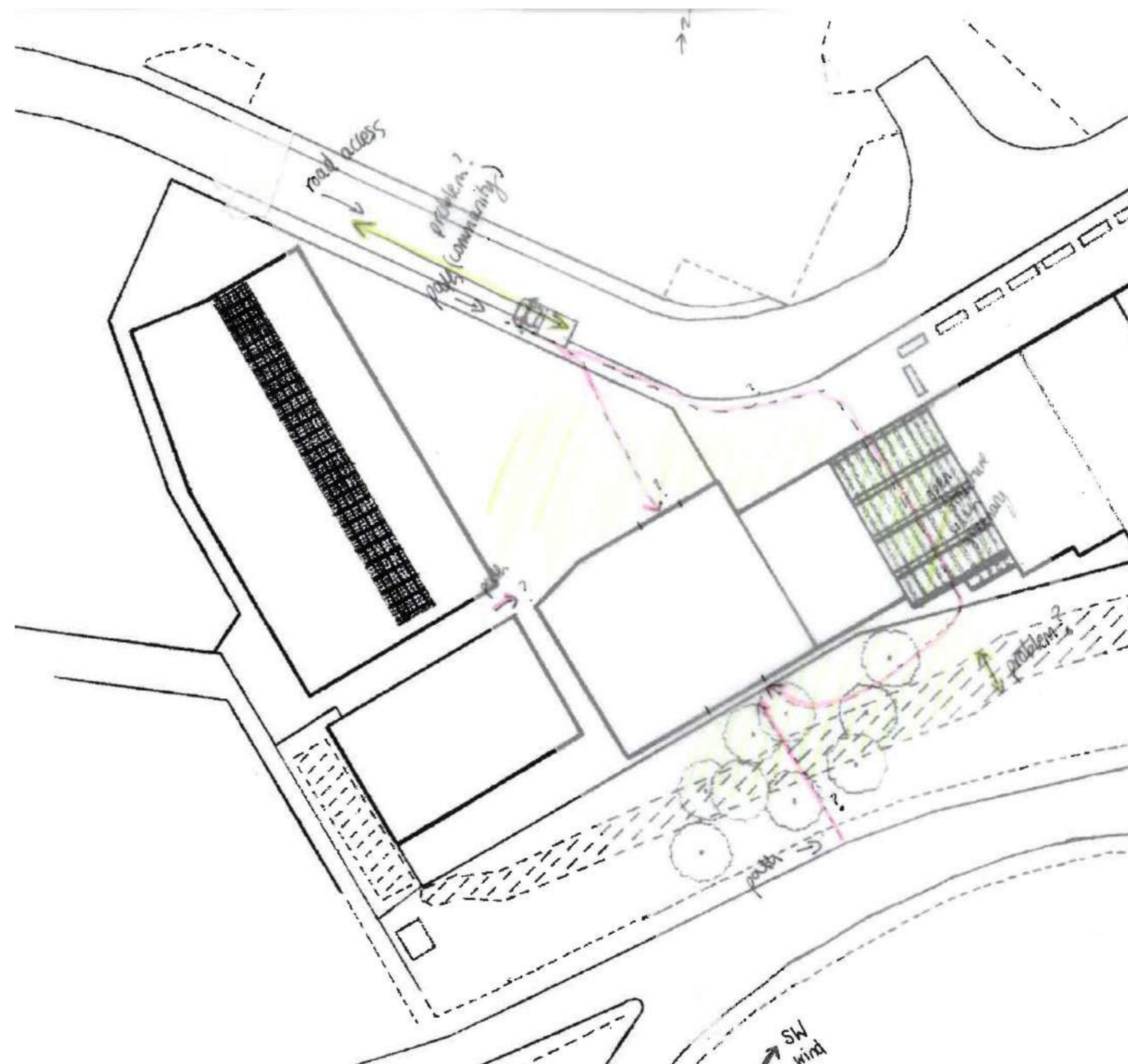
Sandra, she visited a cheaper Spa. This spa is called Fresham pond hotel and spa. When visited the spa, the reception area had glass cabinets filled beauty stuff, candles etc. Snacks and drinks were also available at the reception. She could smell salt and chlorine as well as incense. She has been served drinks with lemon and cucumber near a water fountain. The treatments available were; bubble pool, sauna, steam room, relaxation room/massages, room for therapy, and a beauty room.



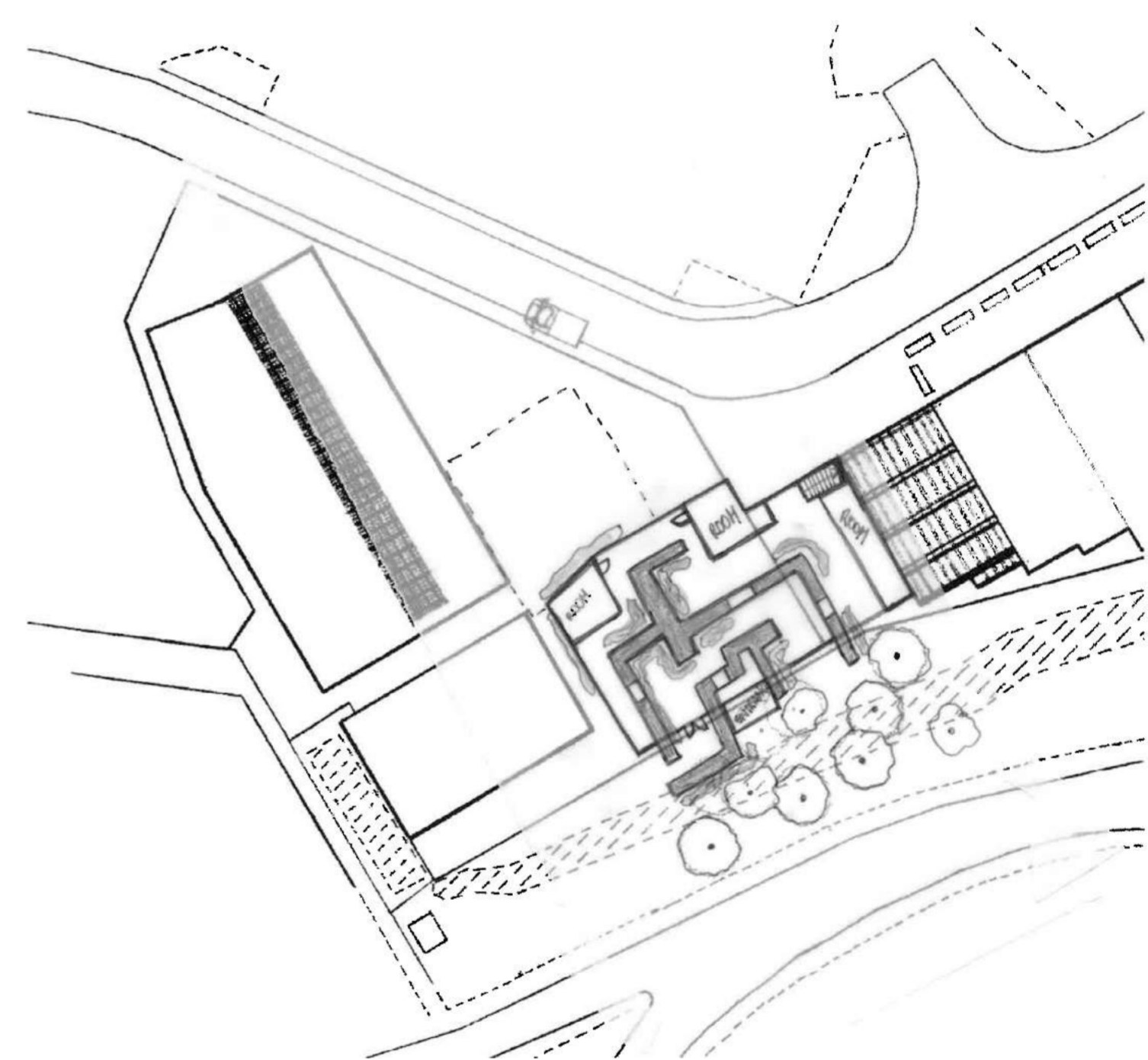
INITIAL IDEAS



Structure... reusing the existing is going to allow me to repurpose the existing cosmetic factory and keep its history within by using the products in the Spa.



Entrance... creating a journey on the way to the building will emphasise on the programme and experience different environment on the way; there are few possibilities.



Ponds... the use of water from the entrance will create a shift in environment as well as reflections.

NAMAN RETREAT PURE SPA - MIA DESIGN STUDIO

Spa | Vietnam | 1600m² | 2015



Drawing of Naman Retreat Spa on site exploring water supply from the river



The Spa is surrounded with local plants which delivers a private as well as healing environment. the use of natural ventilation keeps the building cool and it also proves refreshing experience.

All the areas flow into one another, creating a journey that is directed by the landscape. The lattice patterns facade joined with the landscape creates sunlight that portrays an uplifting environment into the shadows & light that falls onto the walls.

I am interested in the way the building

uses nature to create private environment as well as the play of lighting and the use of ventilation. The use of Greenery that covers the Spa on the green roof and hanging down from the above will make it hidden.

For the supply of water, initially the idea of digging under the building to allow water from the river to flow inside after it has been filtered. The use of rainwater came across as better option after comparison of both.

I have drawn the Spa onto my site for

comparison of the size.

SPA IN VALS - PETER ZUMPTHOR

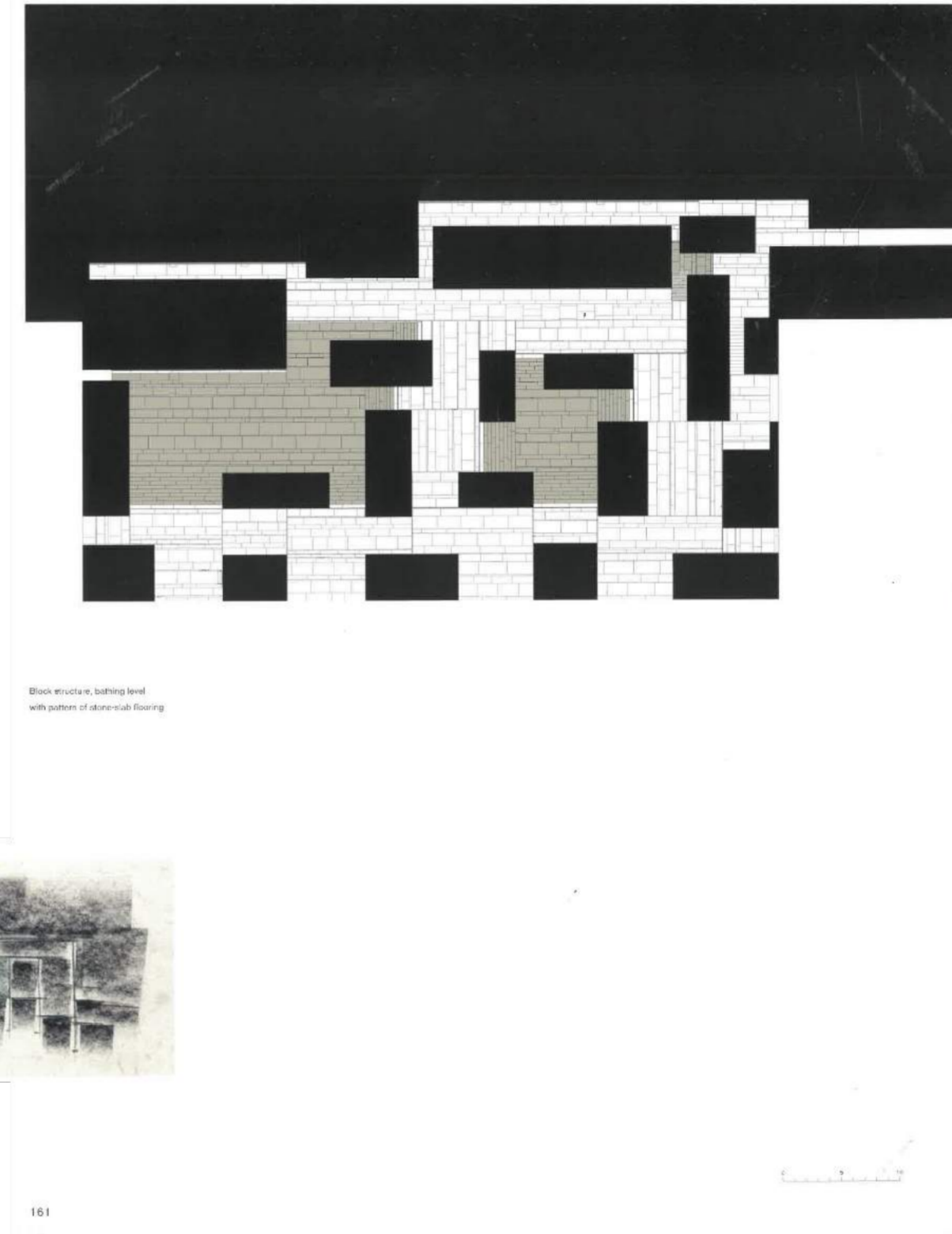
Spa | Switzerland | 1996

The spa is in the valley, along the narrow Vals Rhein river. It is rough-stone-roofed, with timber farm houses and stone layering inside. There is a feeling of mystical nature of the stone inside the mountain, contrast of darkness and light, and the reflection of light upon the water. Also, the fusion of light through steam filled air, different sounds that water makes in stone surroundings and the warm stone in contact with the skin.

All of these are the elements I want to incorporate within my Spa.



STONE STRUCTURE

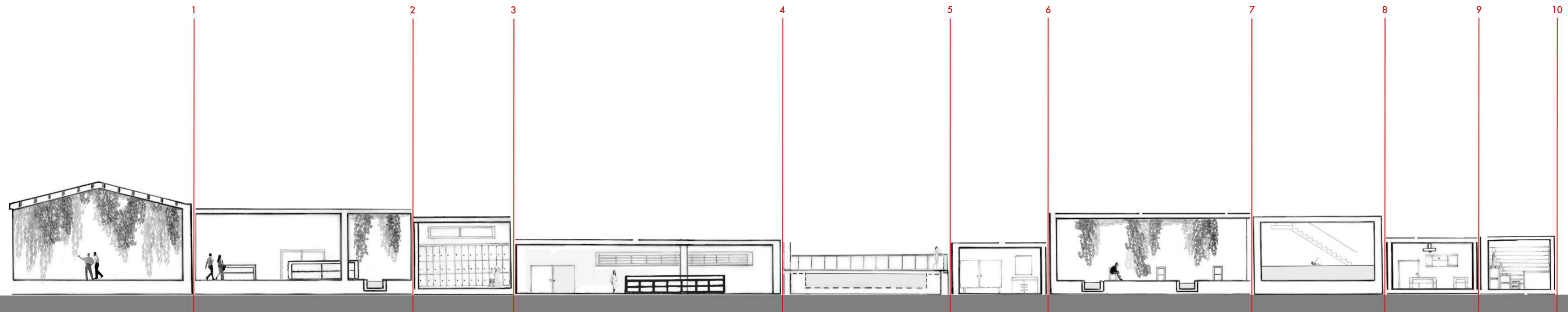


The building consists of concrete slabs and solid walls and is heated by thermal mass. It was supposed to be originally a hollow block of stone but the size would be too small for the disarable height of the walls. There is an interesting pattern of masonry that was developed by the principle of layering thin stone pannels.

Within my proposal, the stone is used in the pools and outside cladding on the ground floor.

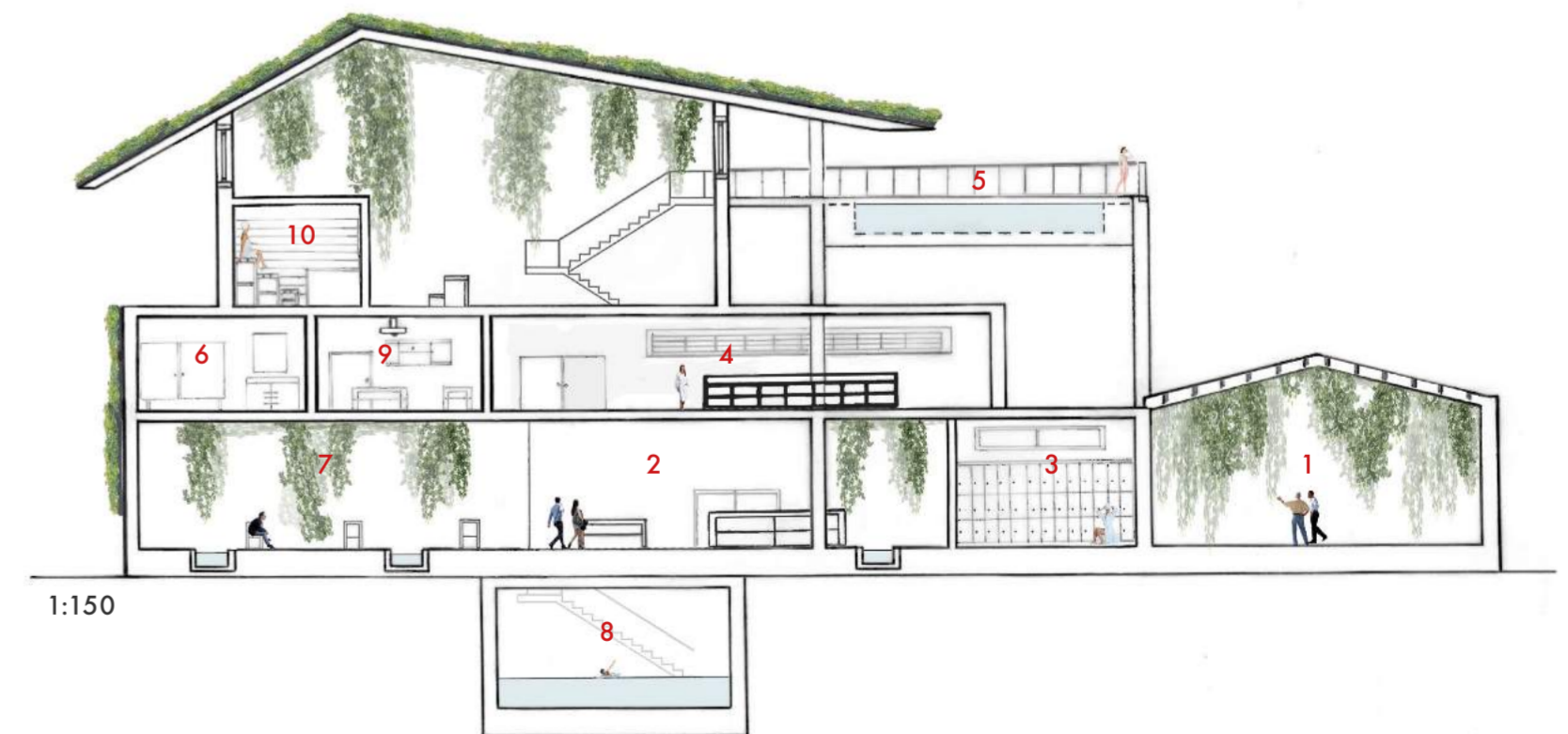
MOVEMENT THROUGH FIRST PROPOSAL

Inspired by Spa in Vals, the journey followed from one room to another.



ROOMS

- 1) Entrance & Exit area
- 2) Reception
- 3) Changing rooms & Showers
- 4) Soap and Parfumes (previous existing programme)
- 5) Outdoor bath 36 degrees
- 6) Rest rooms
- 7) Rest space
- 8) Cold bath 14 degrees
- 9) Massages
- 10) Sauna



1:150

0 2 4 6 8 10 12 14 16 18 20m

AL FAYA LODGE & SPA - ANARCHITECT

Spa | United Arab Emirates | 500m2 | 2019

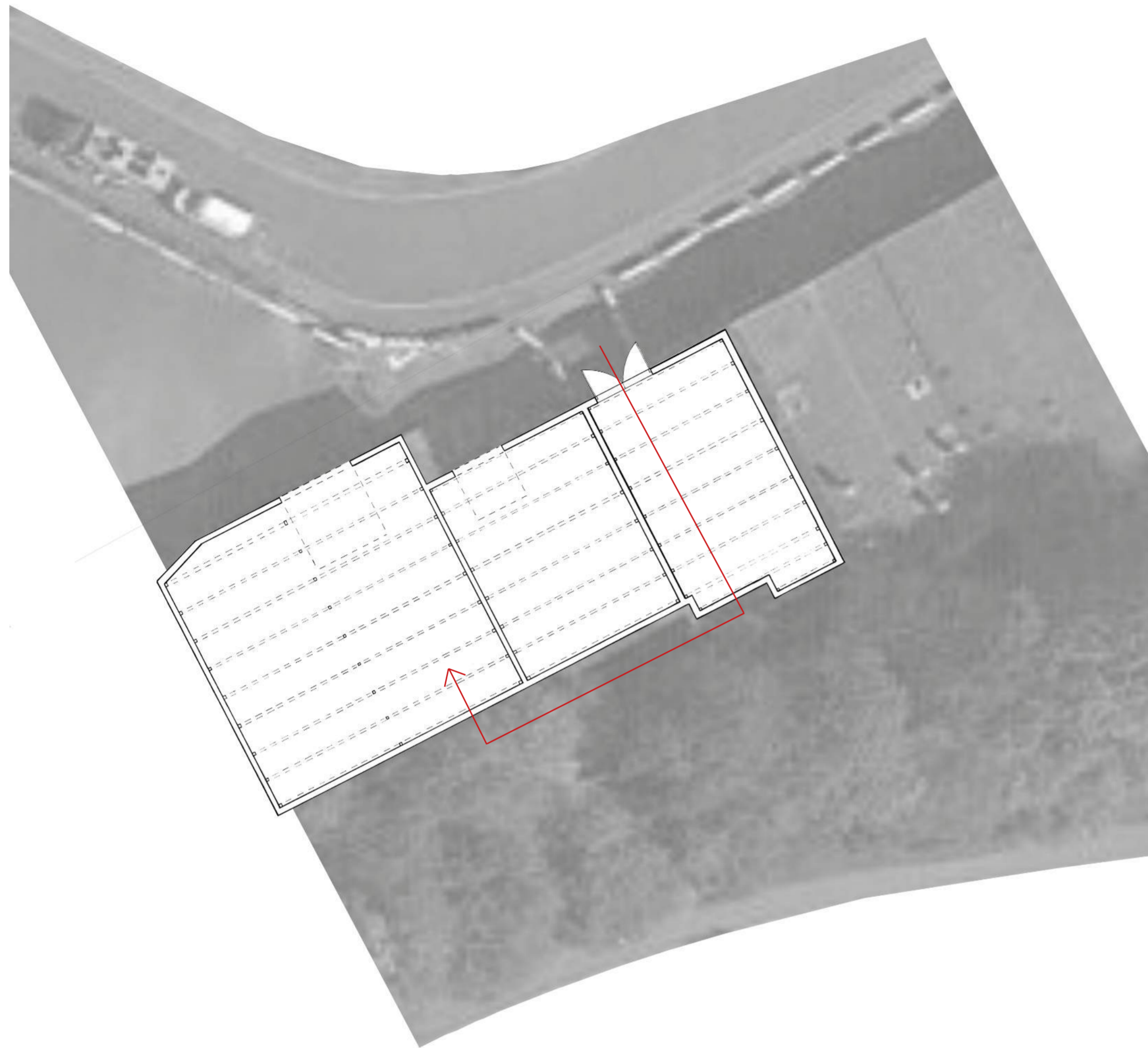


The 1060's building has been previously used as a clinic and grocery store, however it has been re imagined into a contemporary lodge and restaurant. There is a contrast between the existing fabric of the building and the interiors. Steel has been additional to the building which provided a new purpose of the building.

The use of concrete and stone is providing a large thermal mass that will help in cold temperatures as well as rain. The project also uses local materials.

The use of local materials and combi-

nation of old and new structures has intrigued me. The use of existing structure on site could be beneficial for my proposal, creating a new interior spaces and facade.



EXISTING STRUCTURE

The idea of keeping the existing structure exposed to show contrast between new and old. This can be seen on the way to the entrance that will be from the back.

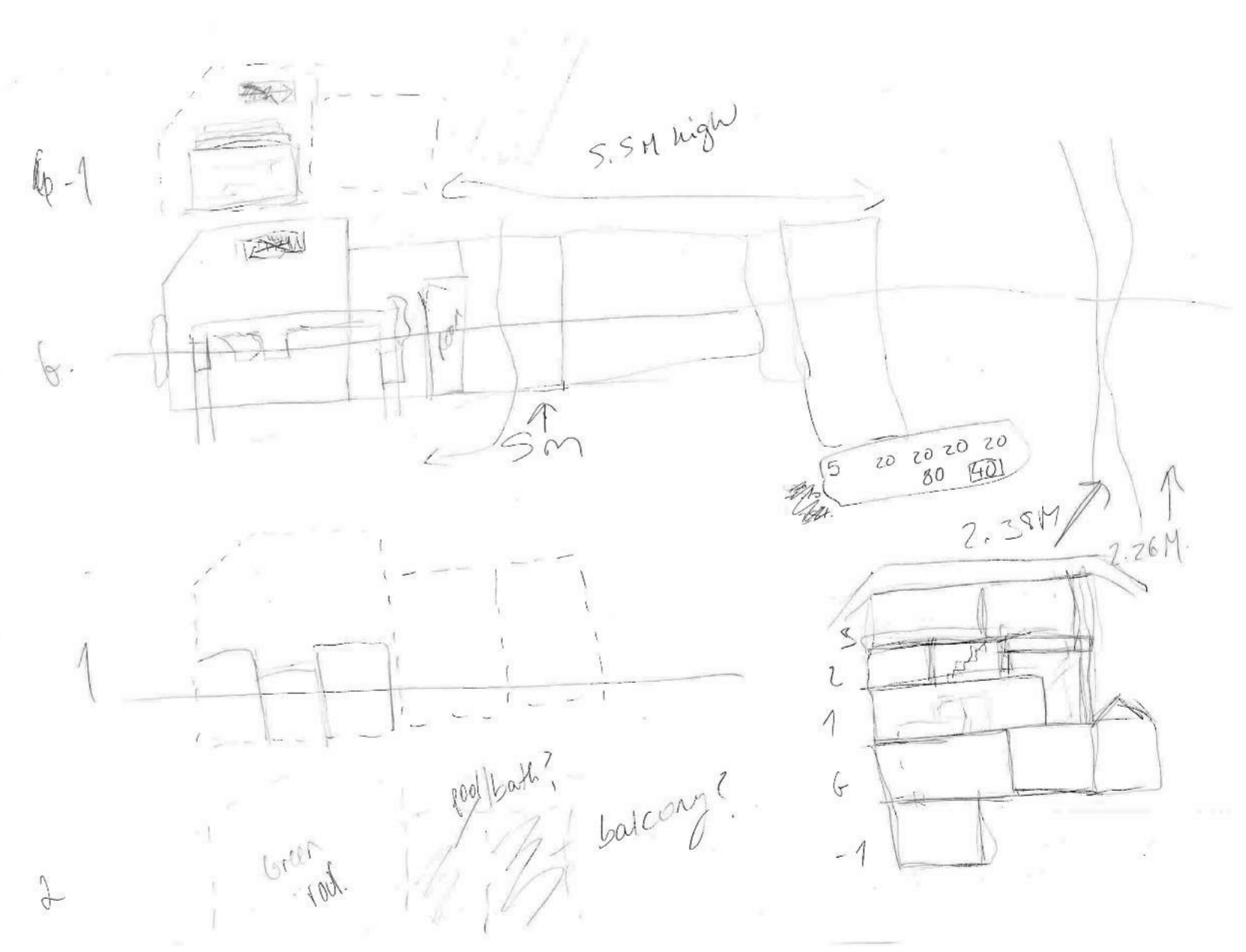
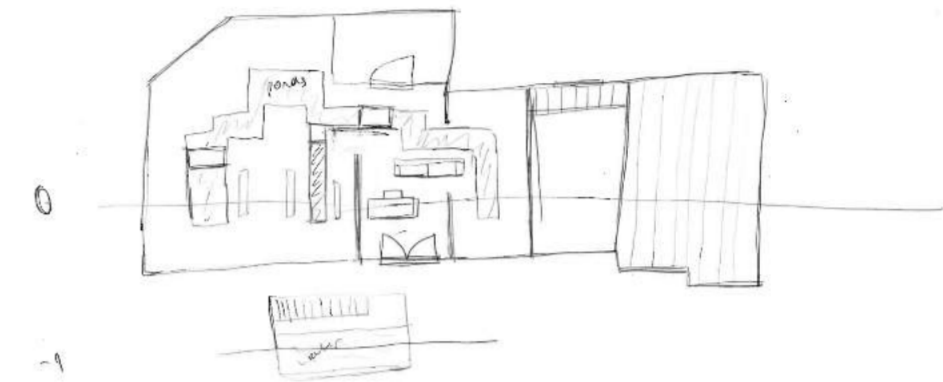
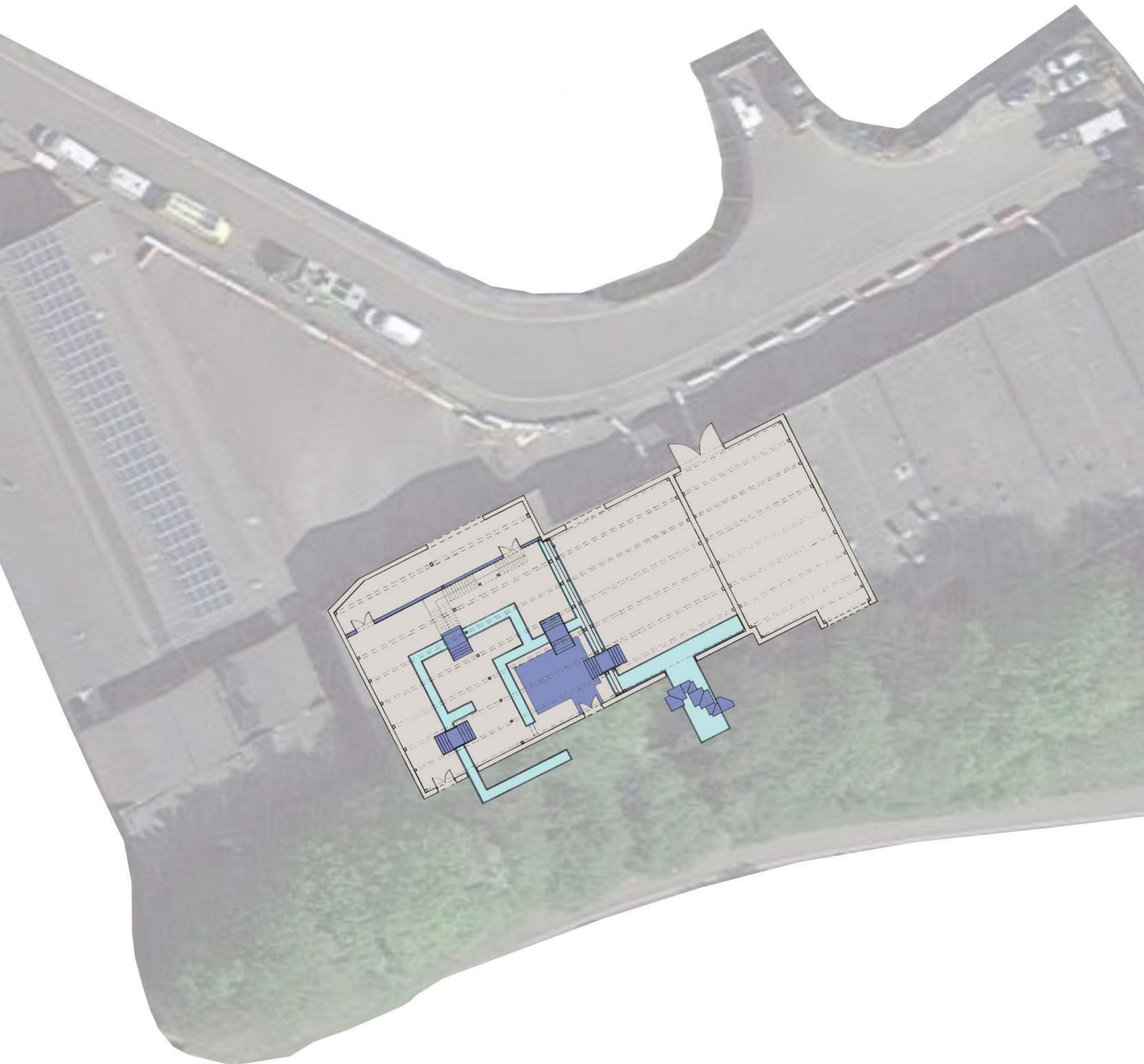


ENTRANCE

The entrance of the space going between the existing steel structure to the back through the forest will allow the client to shift from everyday life to a calming environment and allow them to relax. As it is a journey itself to get to the entrance, it emphasizes further on the meaning behind 'hidden'. Two entrances to the building will allow easy access to the building for disabled people.

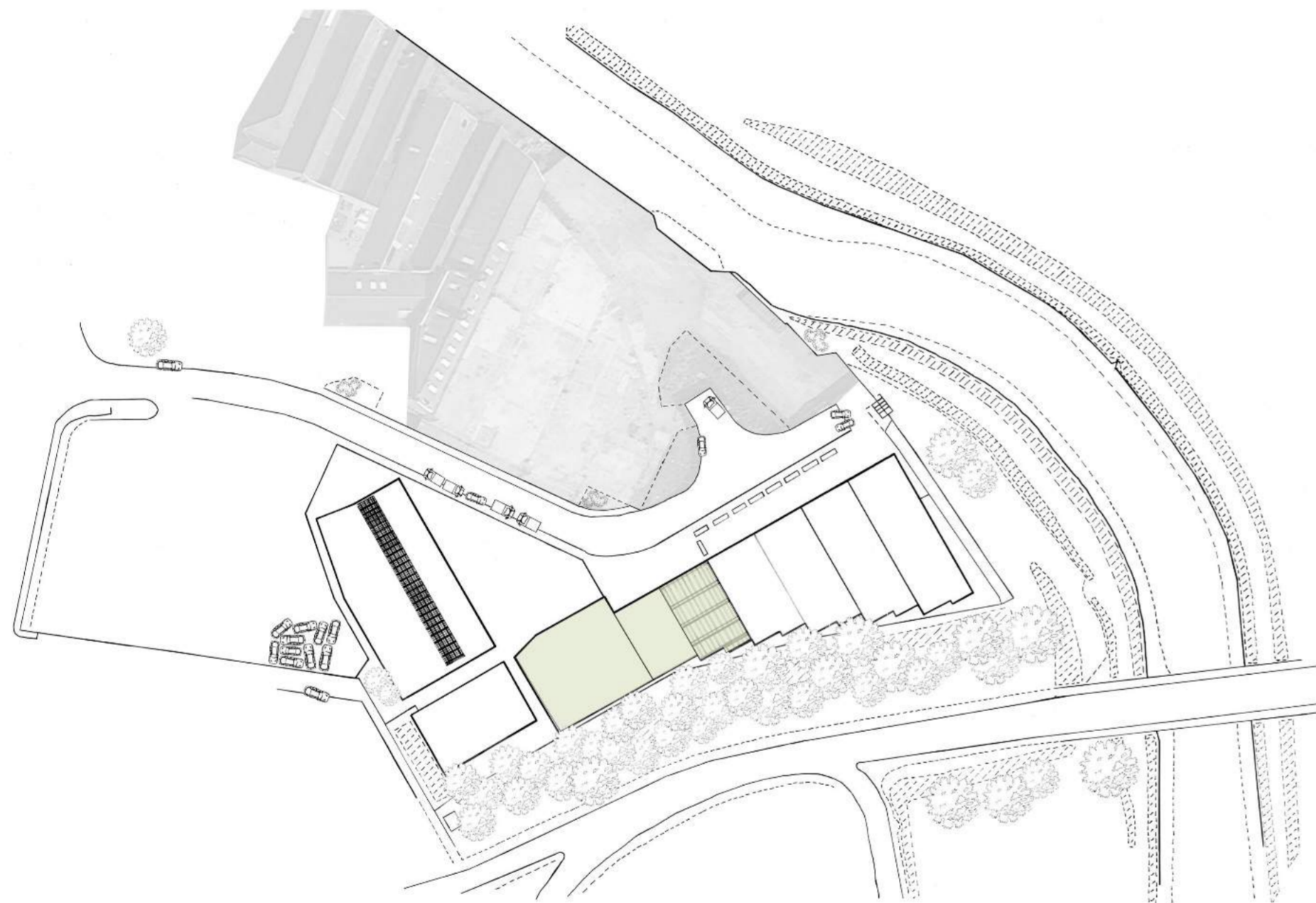
PONDS AND BRIDGES IDEA - GROUND FLOOR

Initial idea of pond placement and ways to get to the destination using bridges



RAINFALL IN LEWES

How much water is needed for a Spa?



In Lewes, November is the wettest month of the year with rainfall of 0.068m and February is the driest month, with rainfall of 0.041m water.

The annual average of water is 0.65m, which is 0.0542m per month and 0.0018 per day.

Possibly, **COLLECTED...**

Area (in green of site) = 1075.4m²

$1075.4 \times 0.0542 = 58.29\text{m}^3$

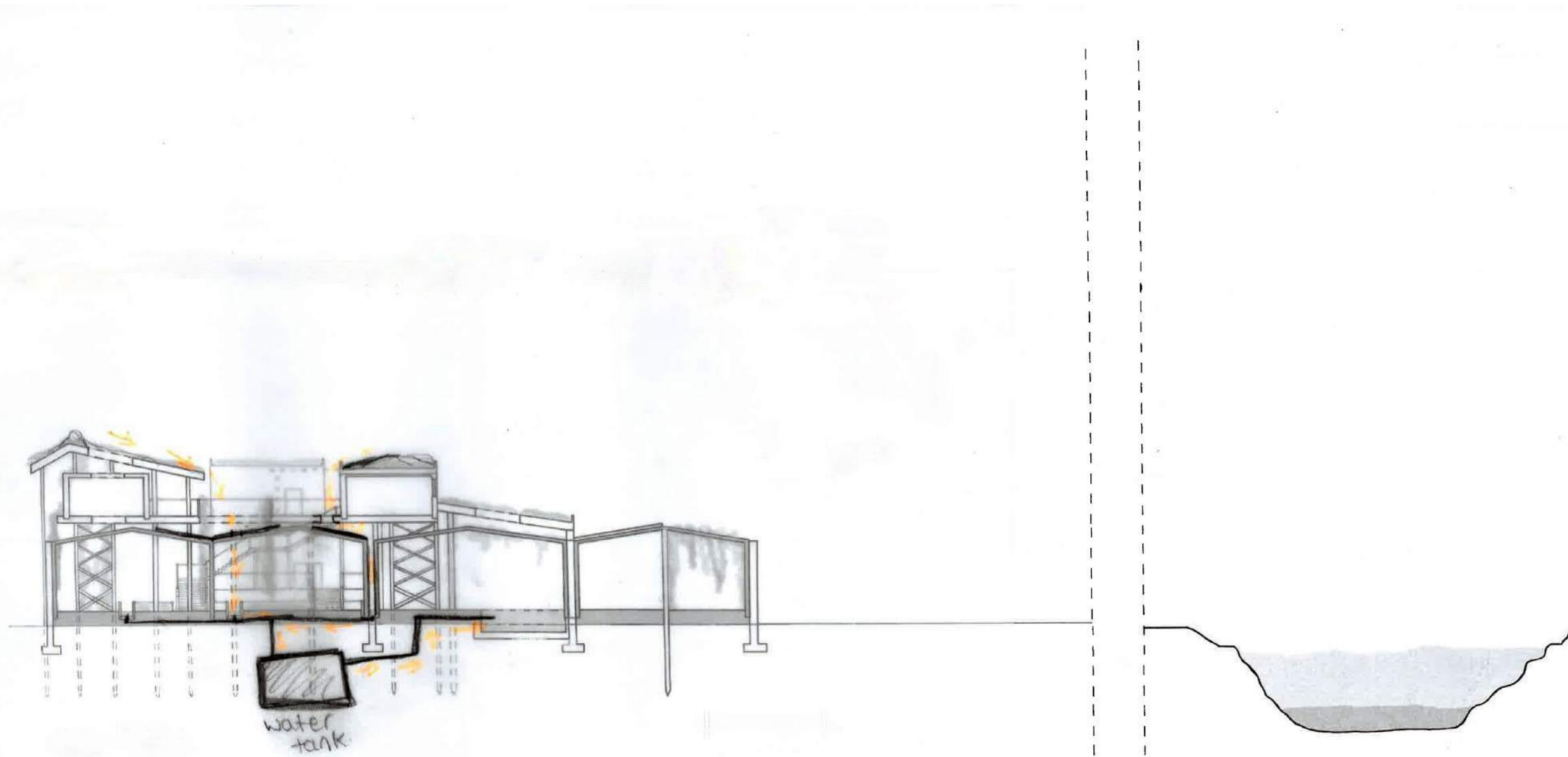
= **58,290 litres per month.**

NEEDED...

Aaround **30,000 litres per month.** This water is used for the pools, ponds and walls. After, this water can be re-used for plumbing. Rest of the water can be **stored** underground and possibly in ponds and water walls.

ROOF WATERFLOW

How can the water be stored?



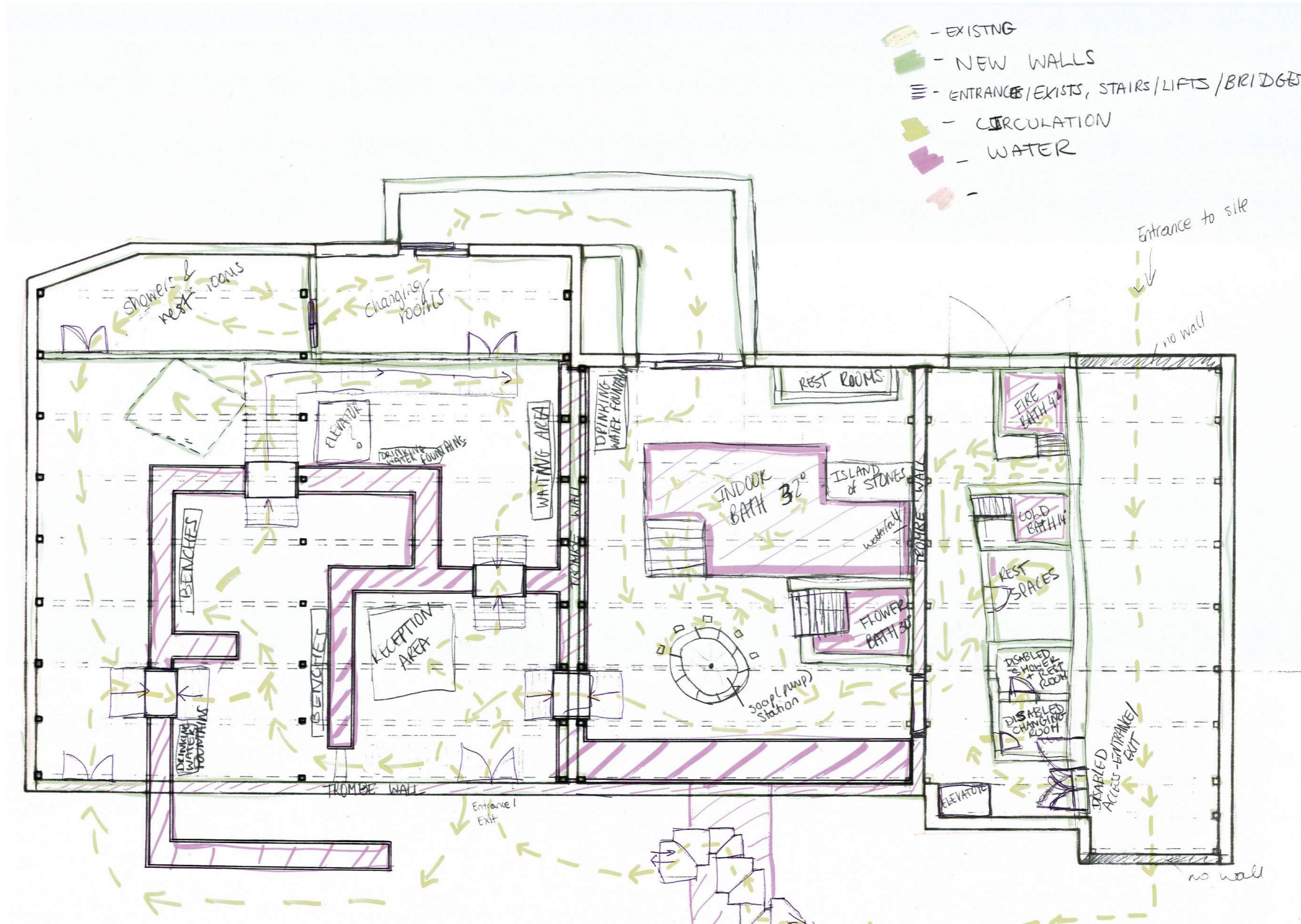
IGUALADA CEMETERY - ENRIC MIRALLES



The Cemetery is design to blend with the landscape in a way that unfolds into the landscape as one continuous and fluid progression. The project uses materials such as; steel poles, concrete, stone and wood. These are earthy and are used in Hidden Spa Project to blend in with the landscape. I have been inspired by the natural landscape of the roof at the cemetery where the water flow is defined by the dents and vessels created. This influenced me to keep the space in the middle open, free from roofs but use rain chains to support the flow and direction of water. Also, the steel structural columns for the 1st floor will come from the ground all the way above green roof, allowing the water to go through the leg down to the water tank.

GROUND FLOOR

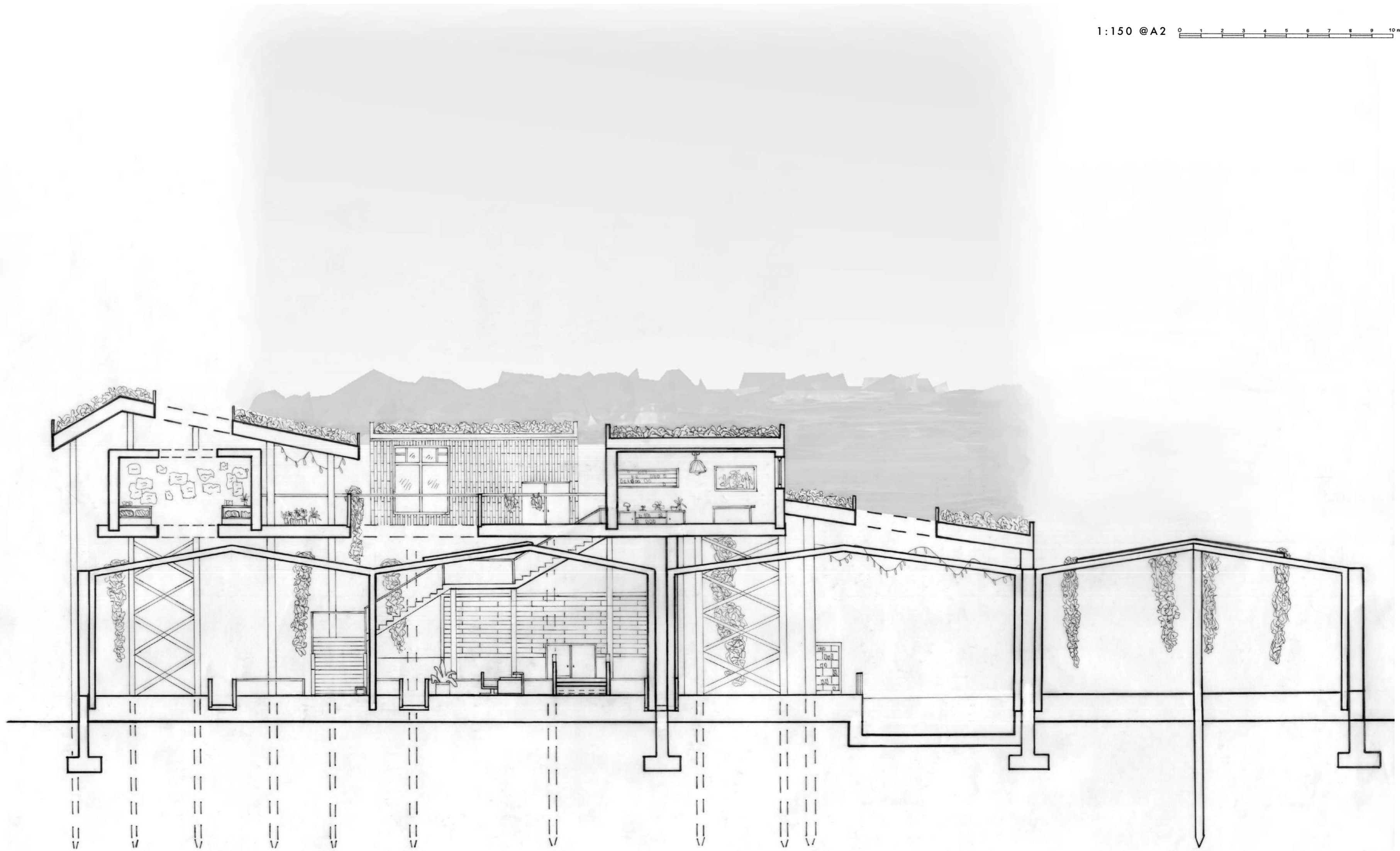
Creating spaces using the existing walls to create flow from one place to another.



ITERATION

Finding ways to allow light pass through to the ground floor from the roof/1st floor to create shadows and produce light for the greenary and water walls.

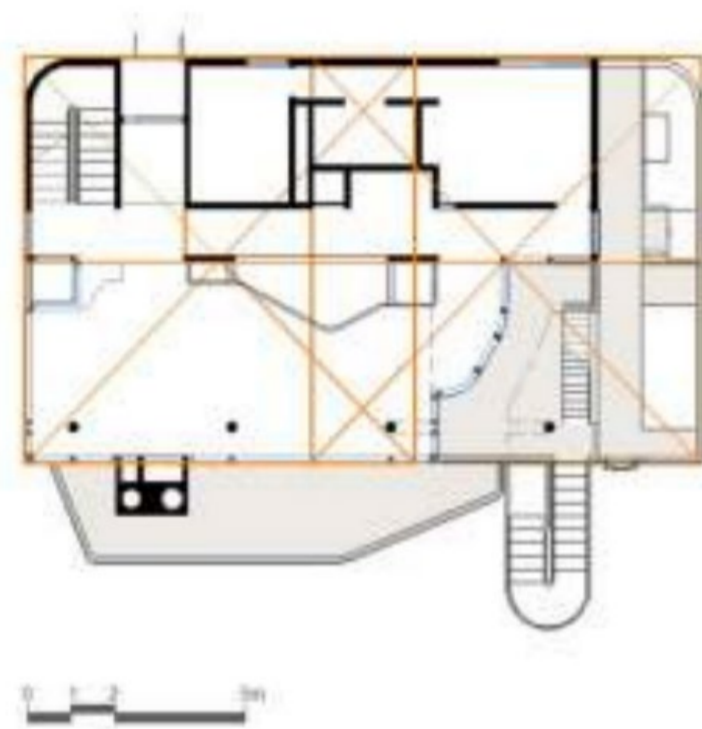
1:150 @A2 0 1 2 3 4 5 6 7 8 9 10m



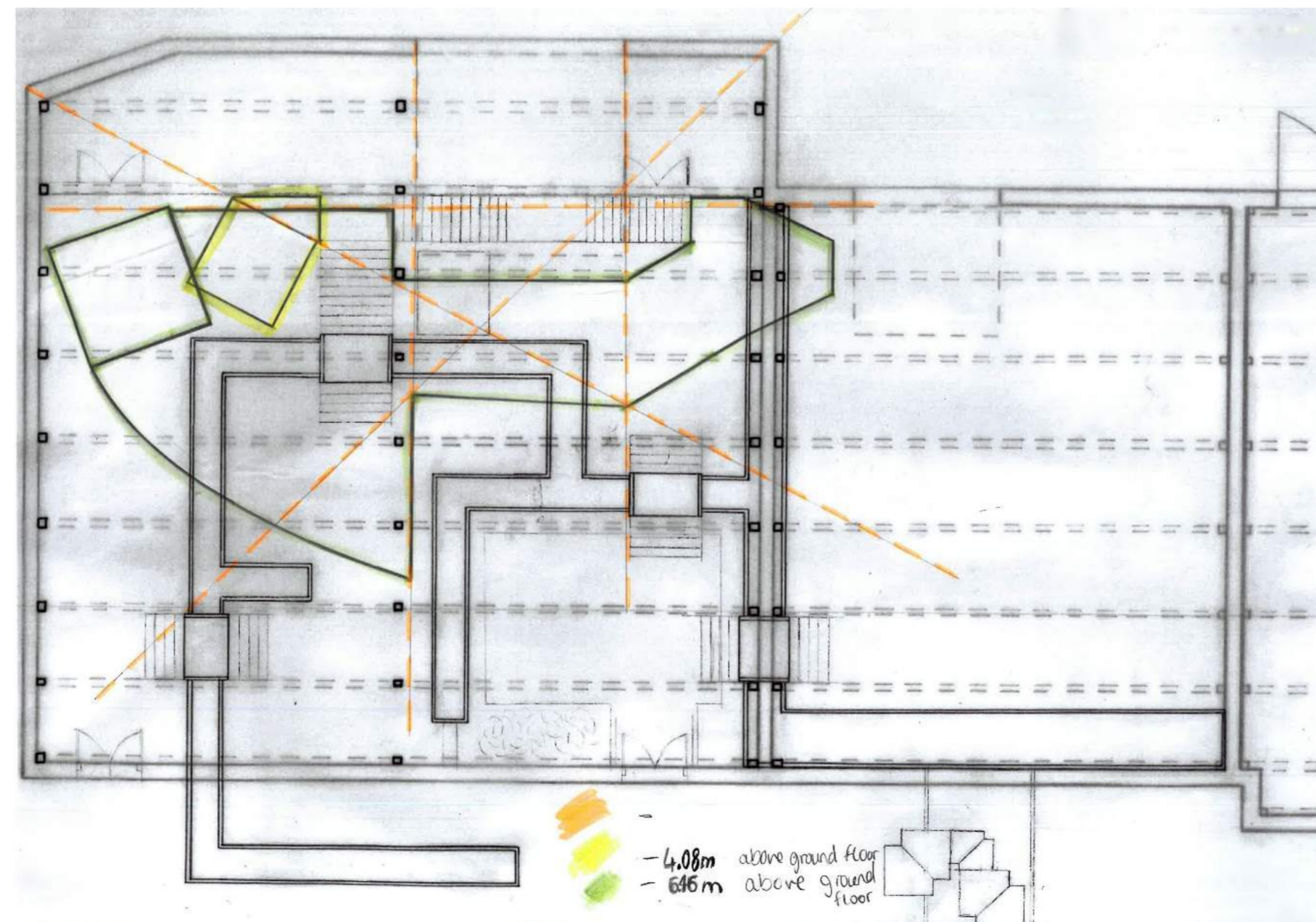
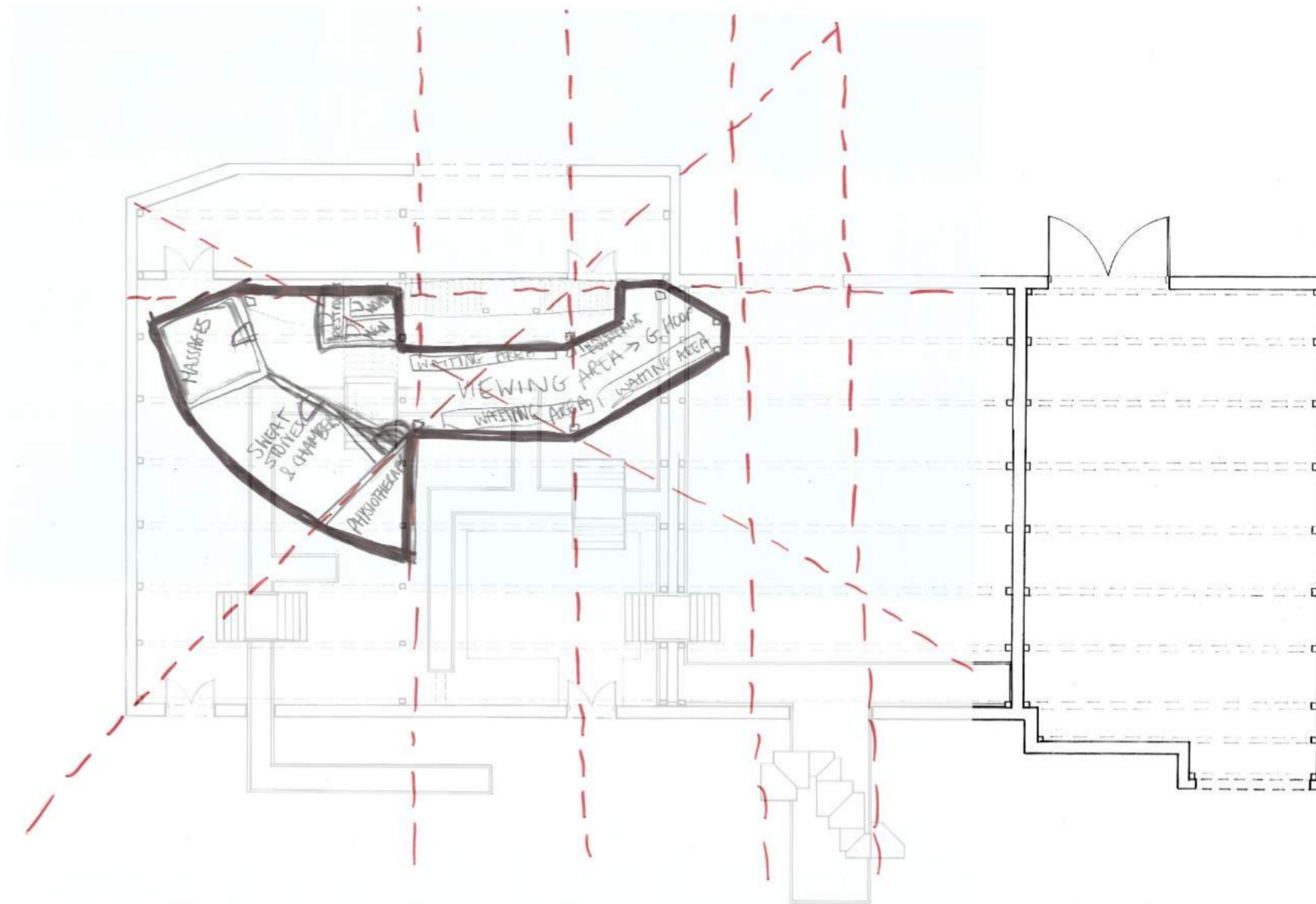
GEOMETRY

Exploring using different grids.

RICHARD MEIER



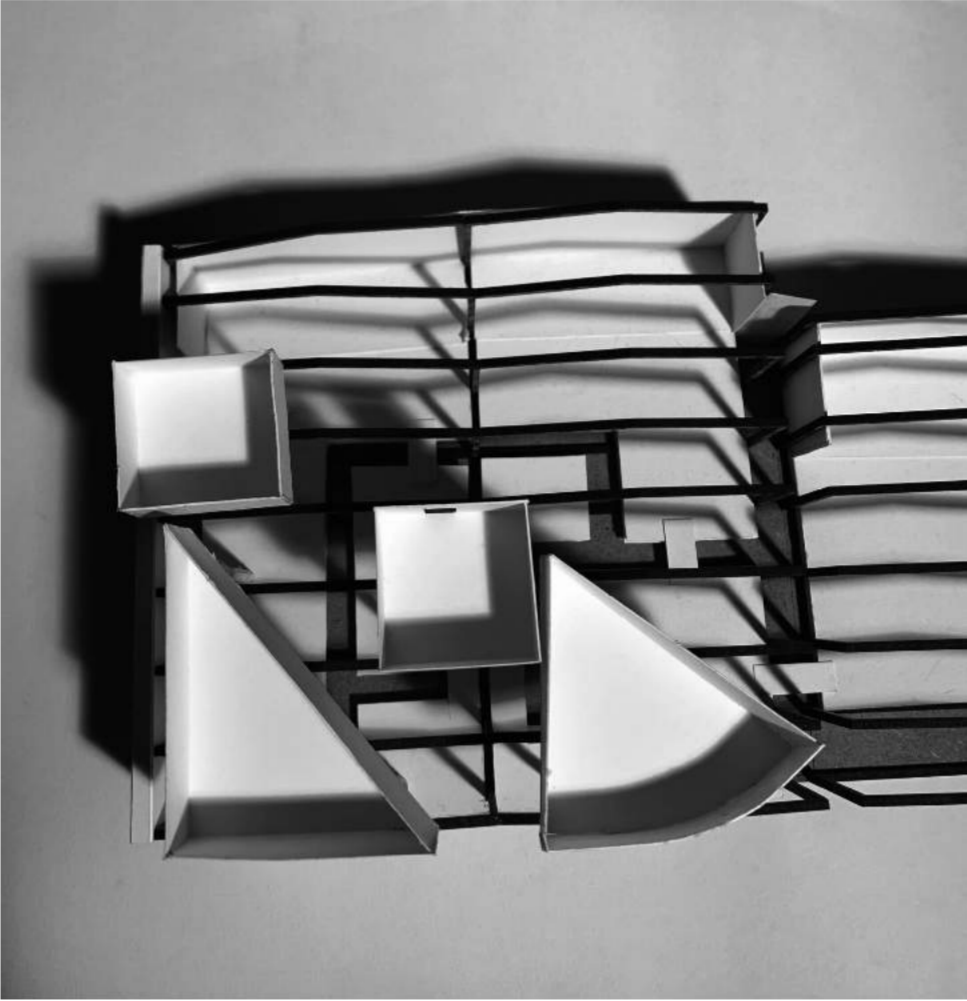
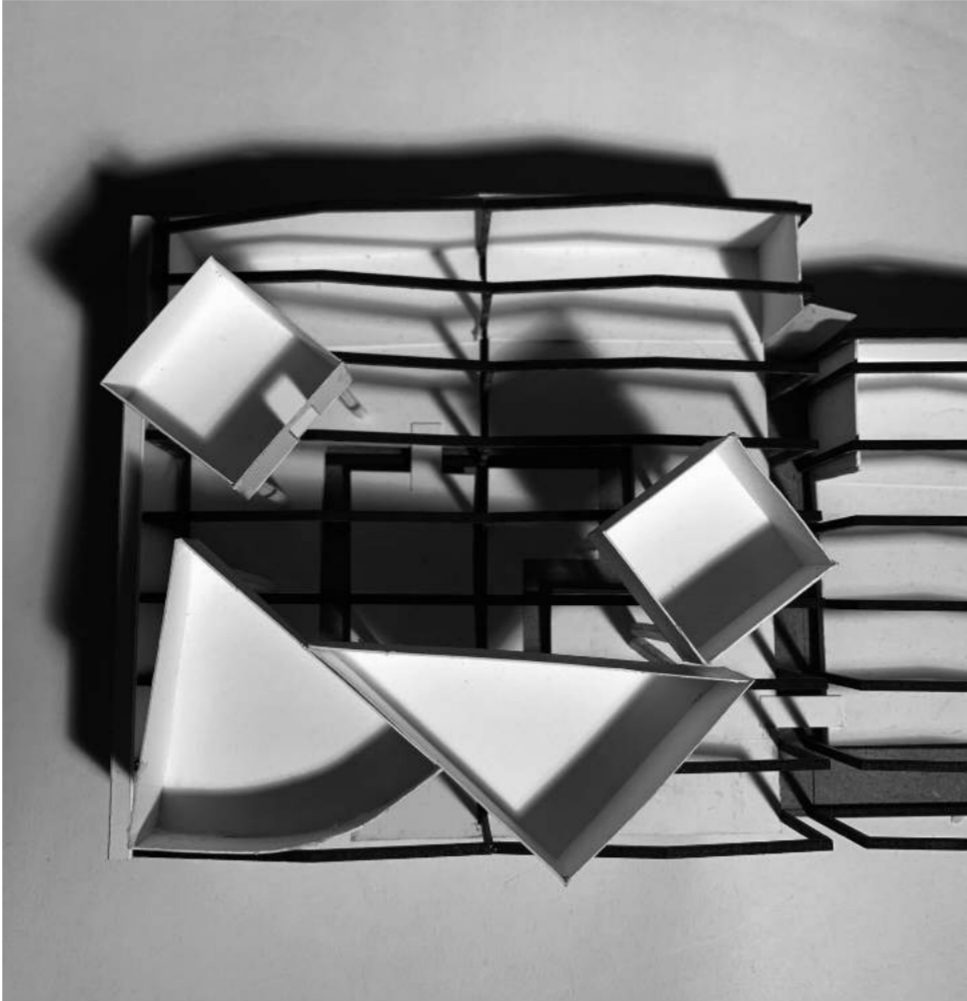
Richard Meier used hidden geometry in designing. Within some of the buildings, the emphasise of these motifs are shown using geometrical ordering of floor plans/elevations and proportional systems. This has been mainly shown in Douglas House (shown above). The way rooms face is in line with the views and other spaces. This idea has inspired me to use geometry within 1st floor to design in a way that there will be views looking down to the ground floor from above and also on the way up.

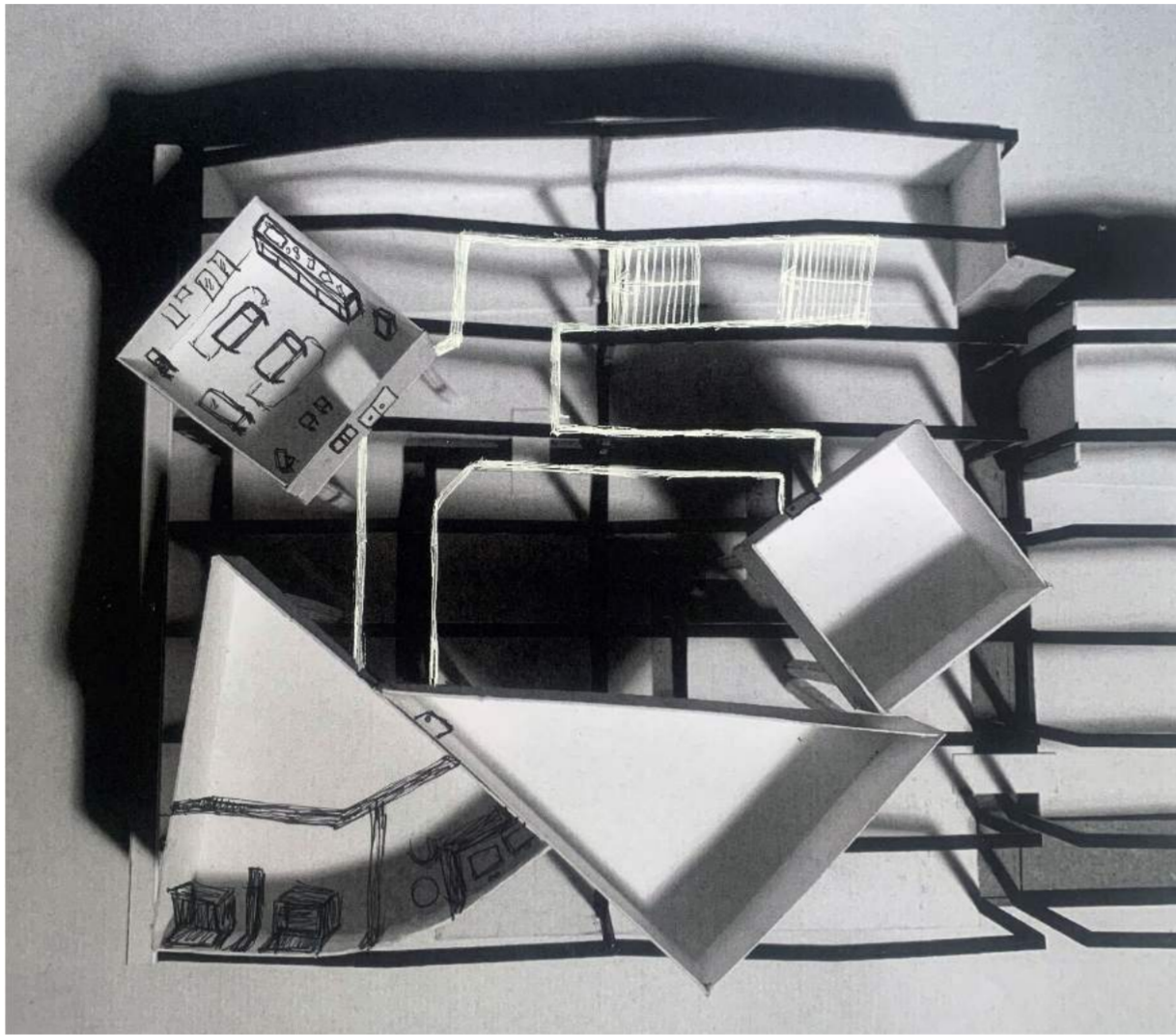


LIGHT STUDY

Different shapes create different shadows; the use and placement of rooms affects the ground floor in different ways within what is in the shadow and what is not.

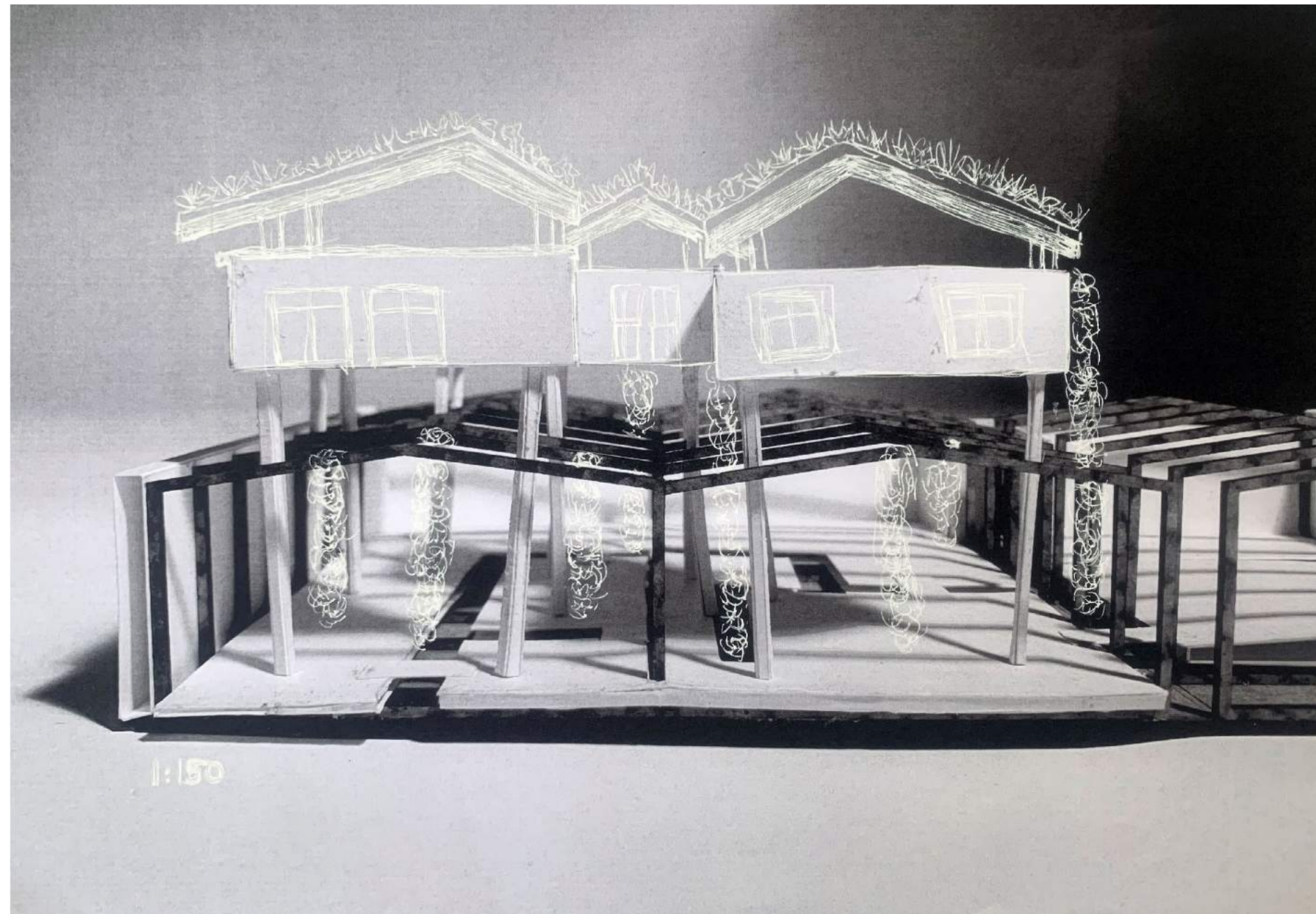
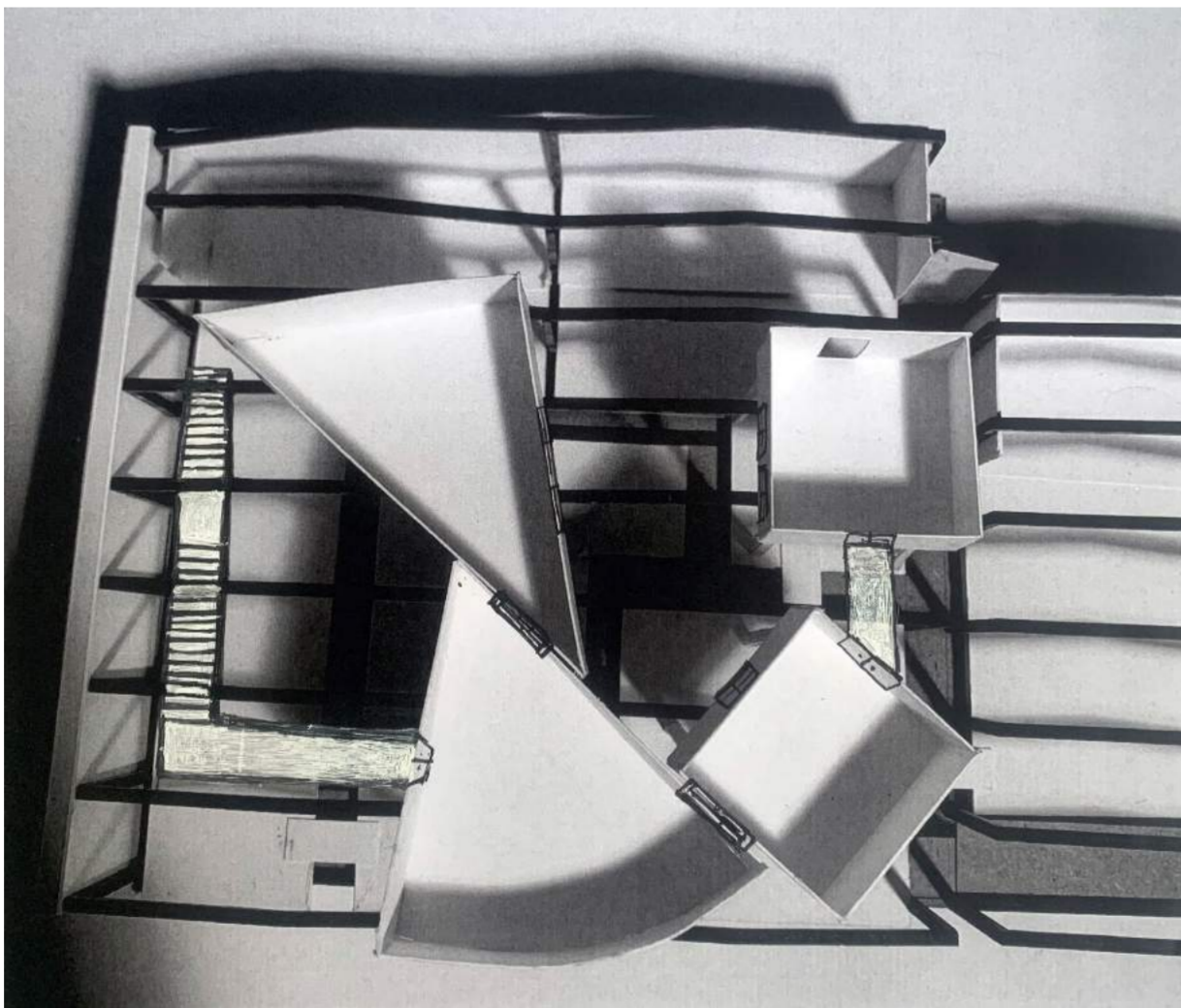
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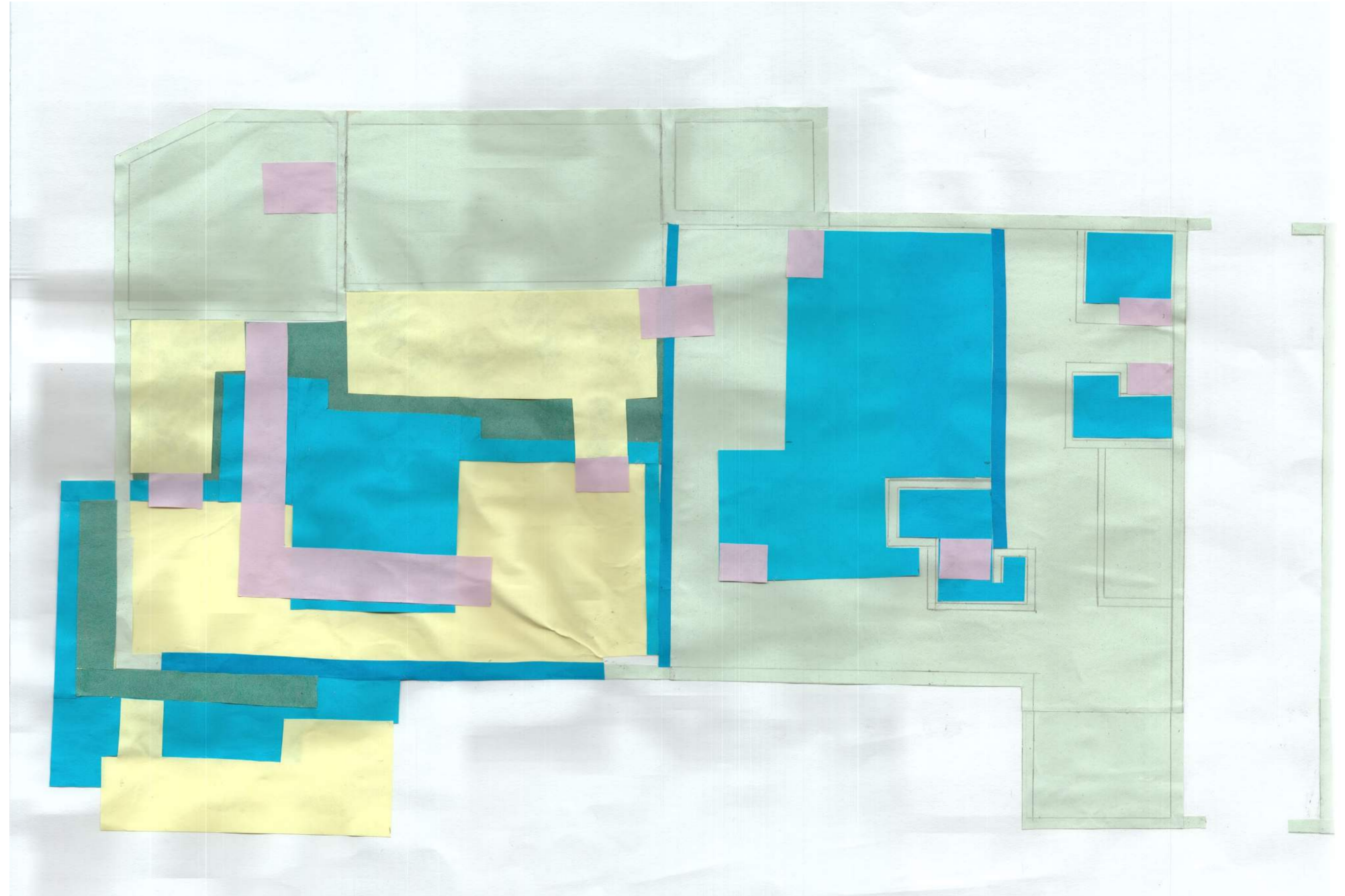
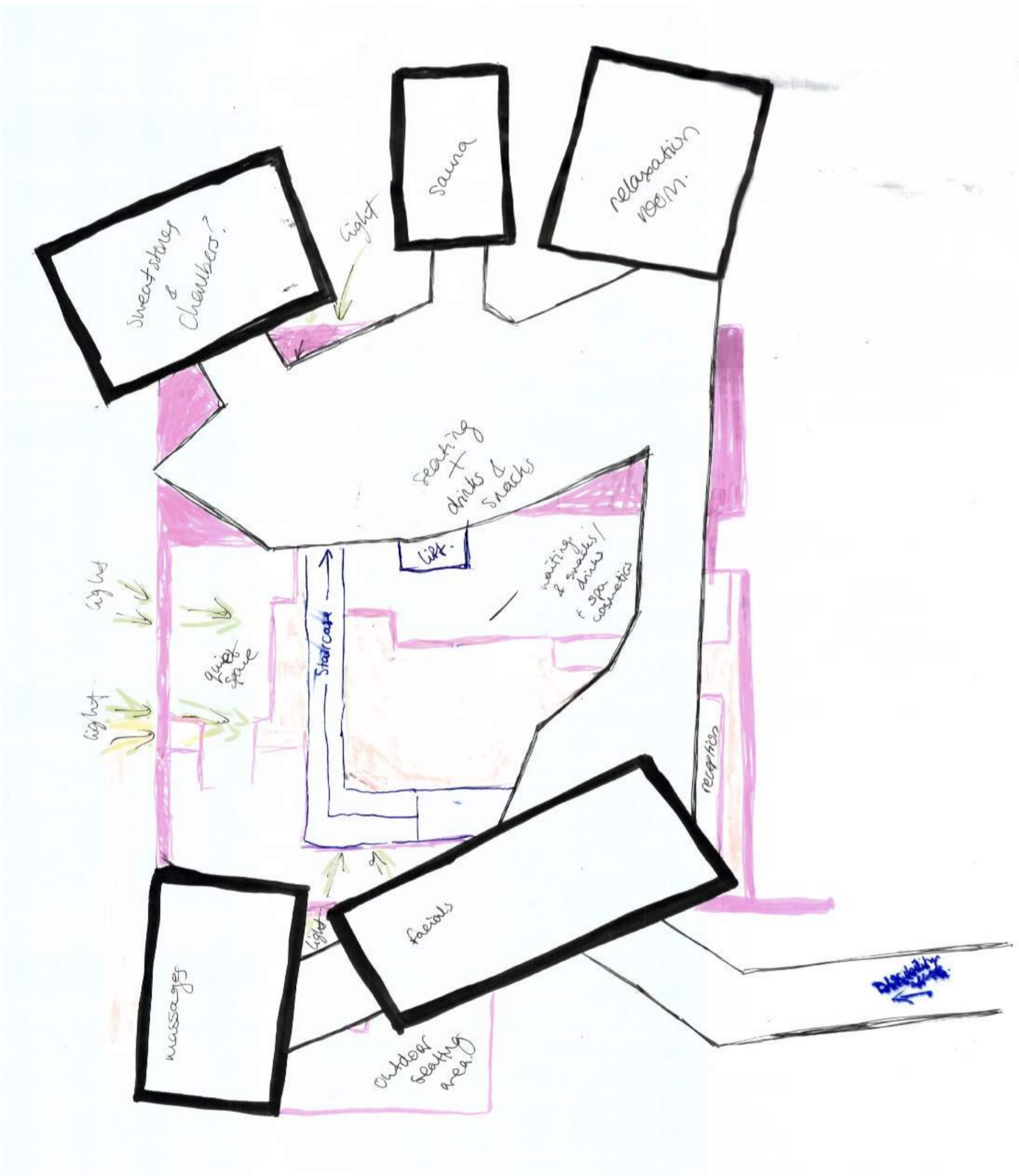
PATHS

Exploration of placement of staircases, rooms and roofs.



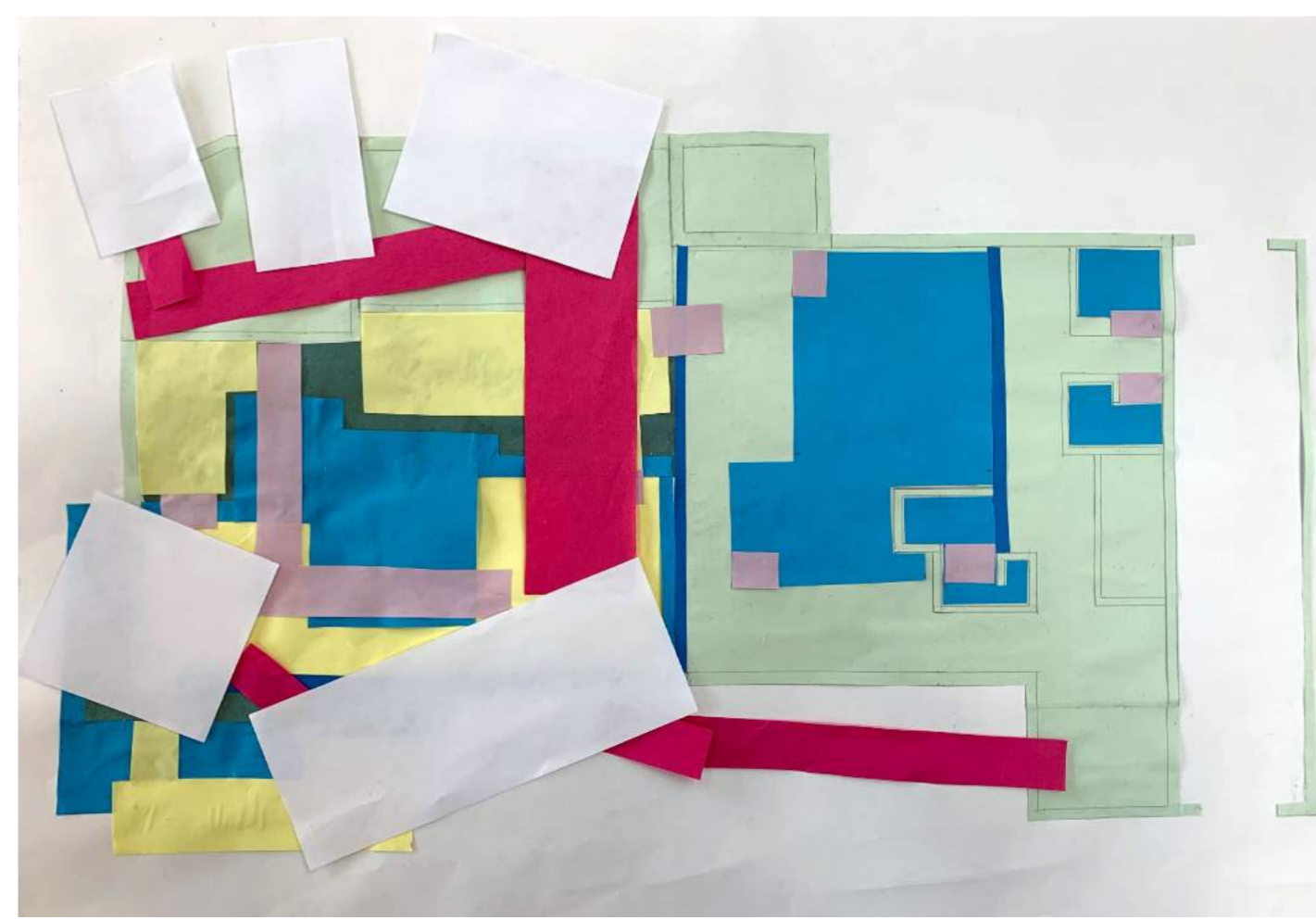
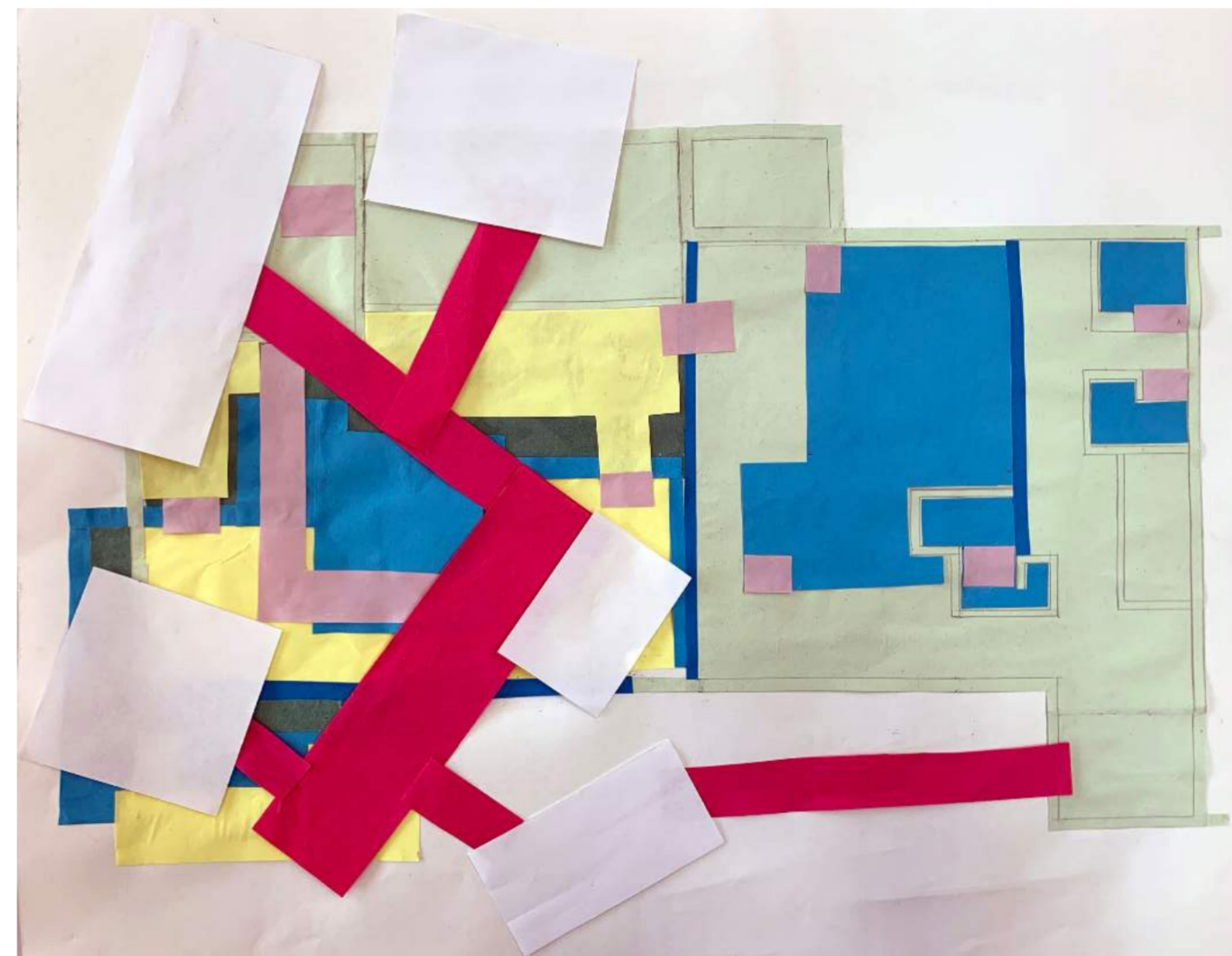
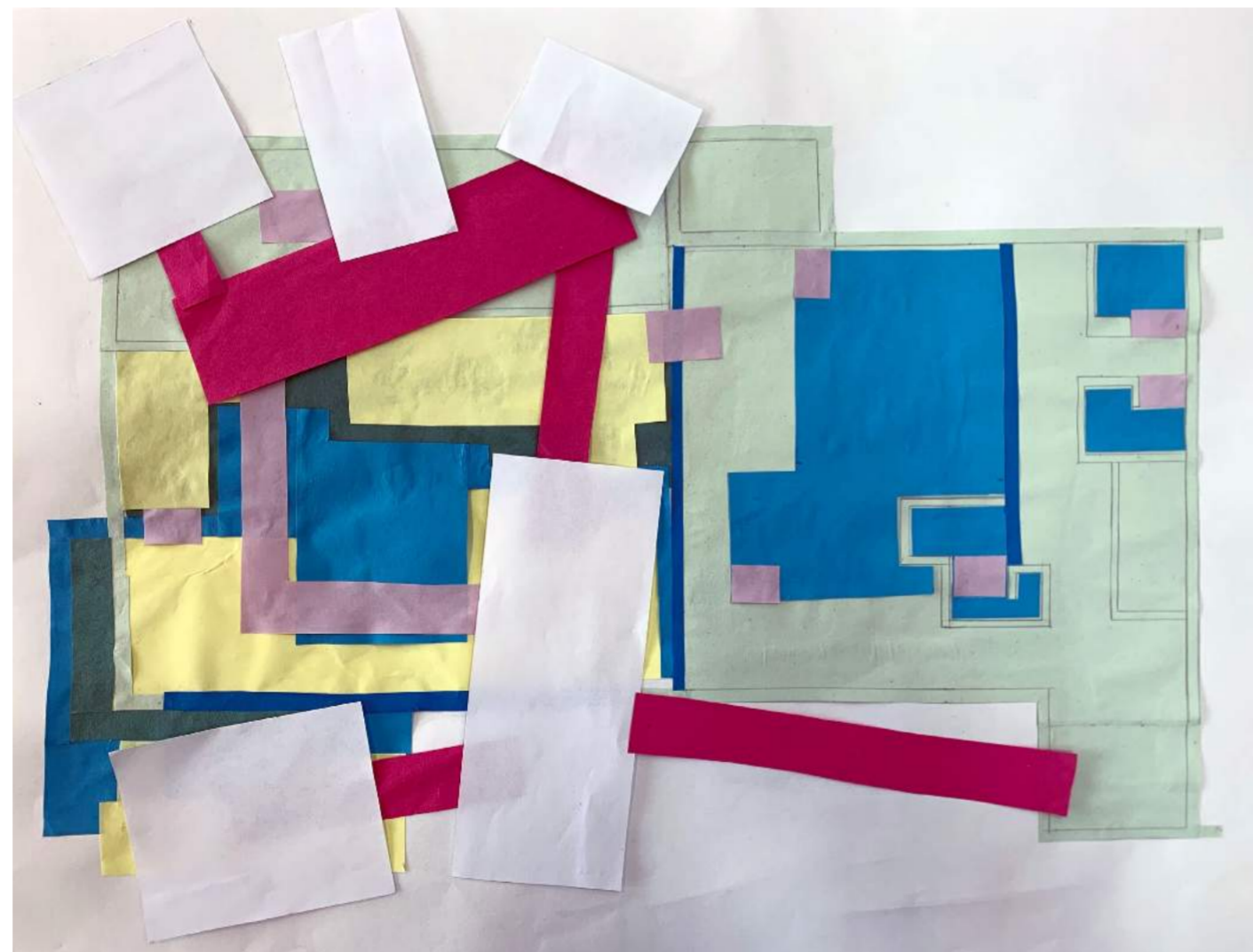
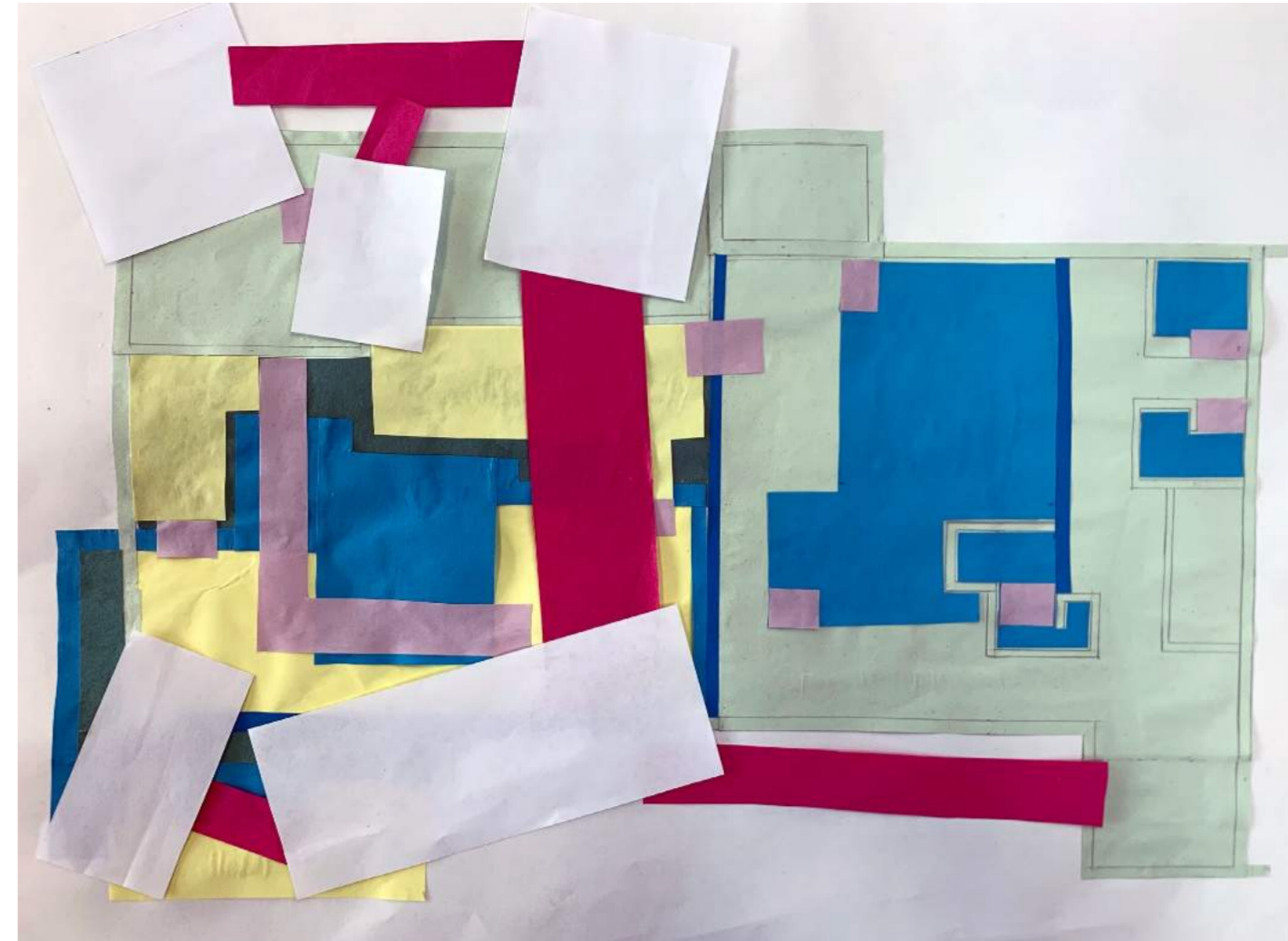
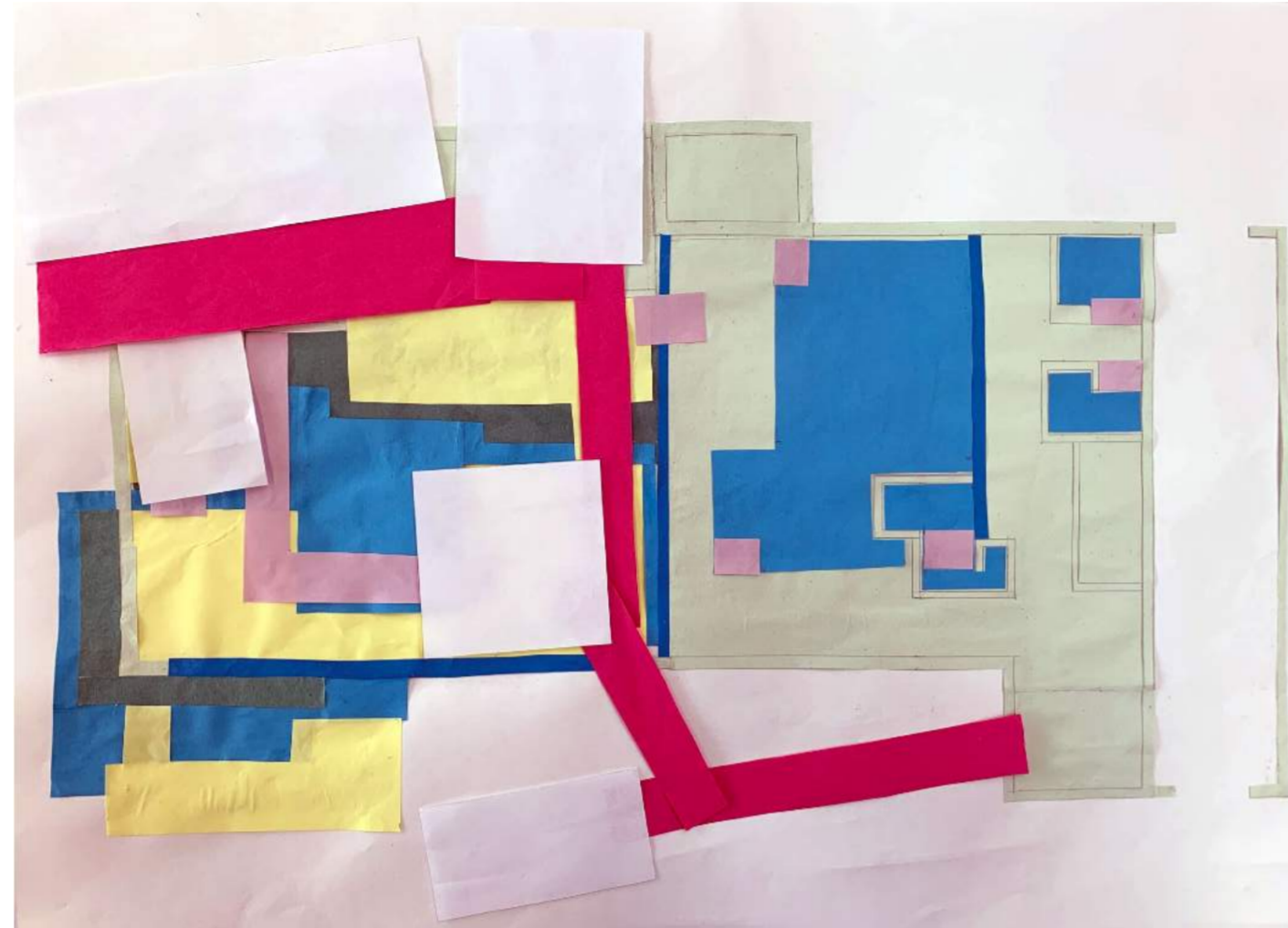
GEOMETRY

Highlights the important parts of the Spa to begin creating placement of rooms above.



POSSIBLE JOURNEYS ABOVE

Placing buildings above at certain angle creates a completely different atmosphere below, looking down. These were some of the ways the spaces could be arranged to create positive environment and smooth flow of the journeys as well as protection from rain.



KEY

- Light green - Floors & Walls (Ground floor)
- Yellow - Floors between 1-2M (Ground floor)
- Blue - Water
- Dark green - Grenary (Ground floor)
- Light Pink - Bridges & Stairs
- Dark Pink - Passages/Bridges (1st floor)
- White - Buildings (1st floor)



MATERIALS COLLAGE

Massage room. The collage shows the materials used within the Spa. The Spa will have a cool effect on the ground floor and warm effect on the 1st floor which is shown through materials.

The Ground floor

Stone; flooring and outdoor cladding

Transparent glass; Water walls

Steel existing columns

Existing steel roof

The 1st Floor

Sweet chestnut timber; interior and exterior walls

Clay; terracotta flooring & partly walls

Re-used existing steel wall sheets for roofs of the building

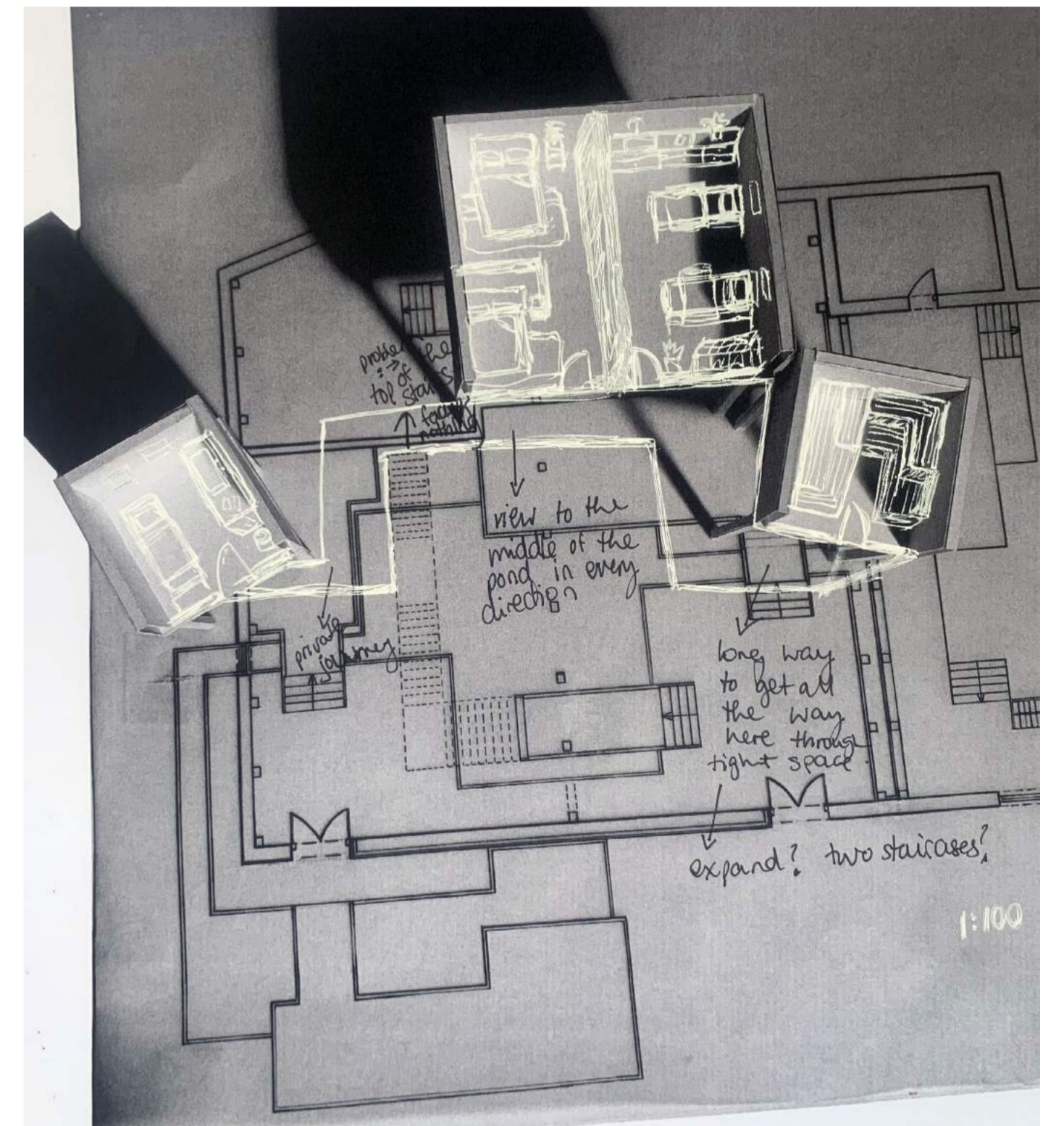
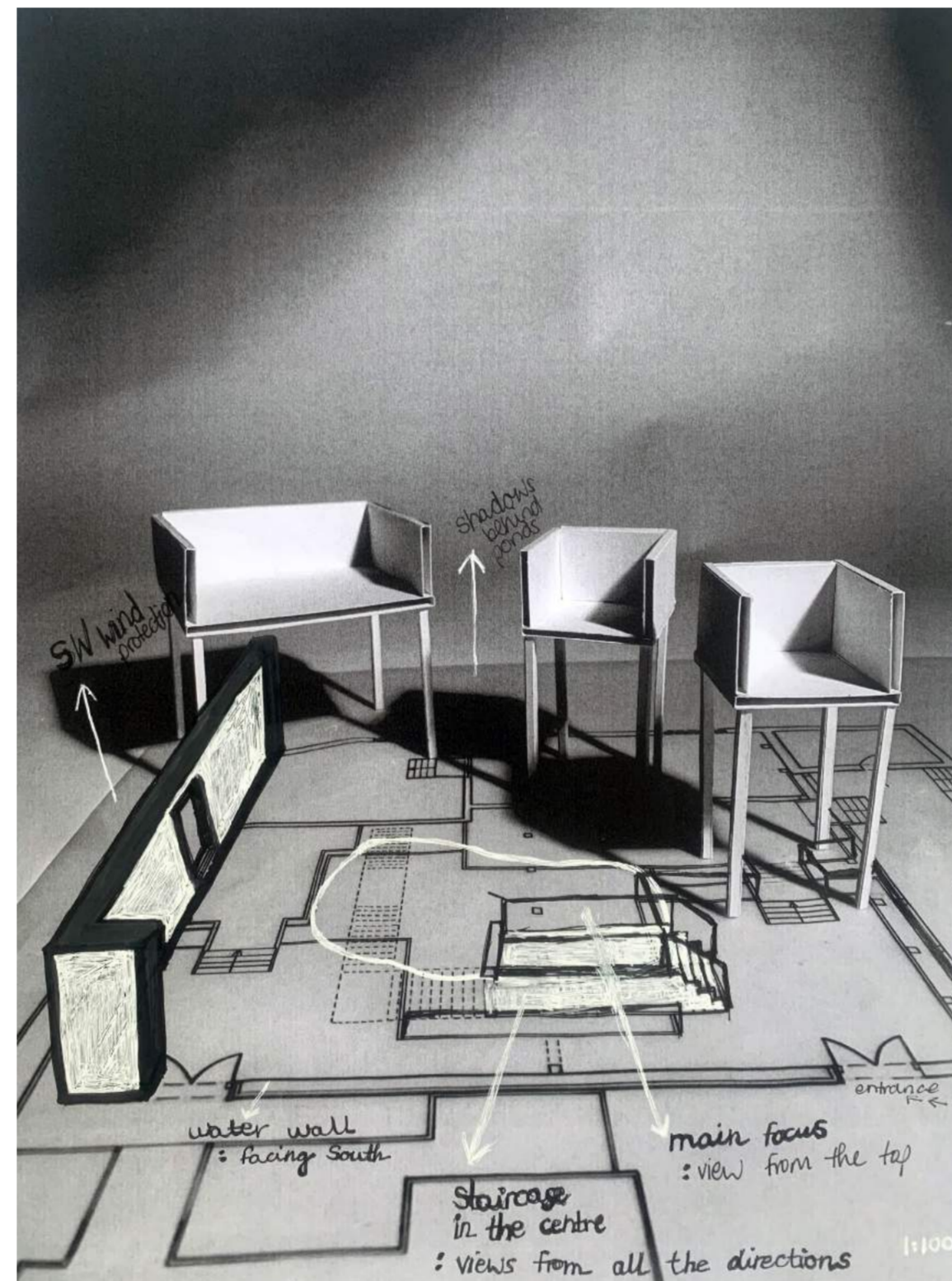
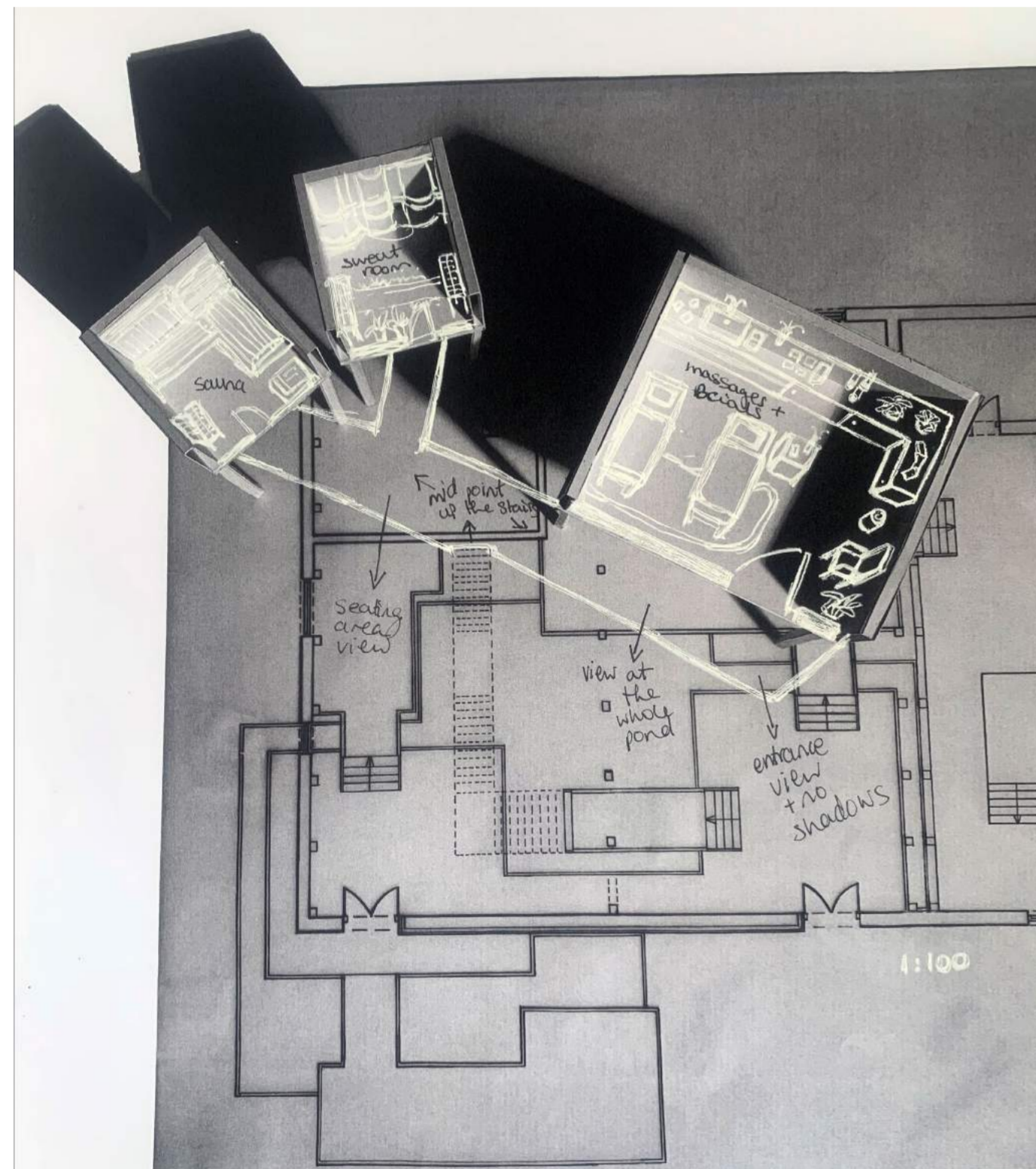
Steel columns for the structure

Timber flooring between buildings

All; translucent windows, greenery

PLACEMENTS

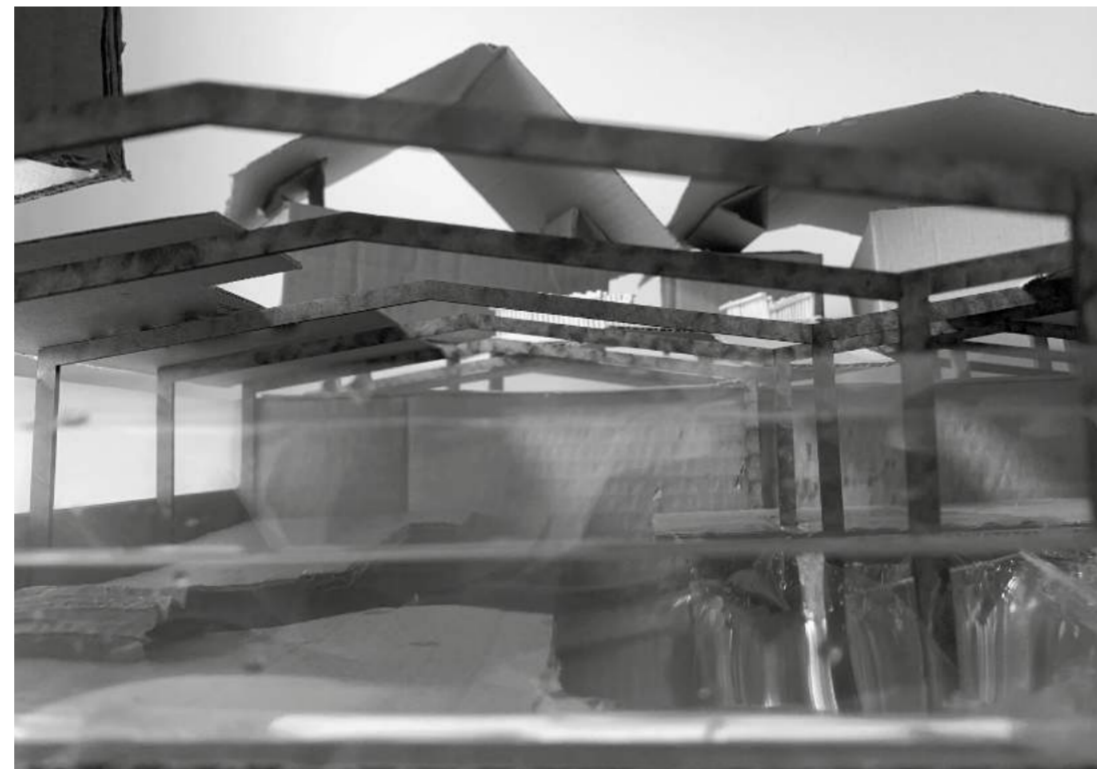
Finding the possibility of the right views, shadows, paths, journey, material connections and weather problems.



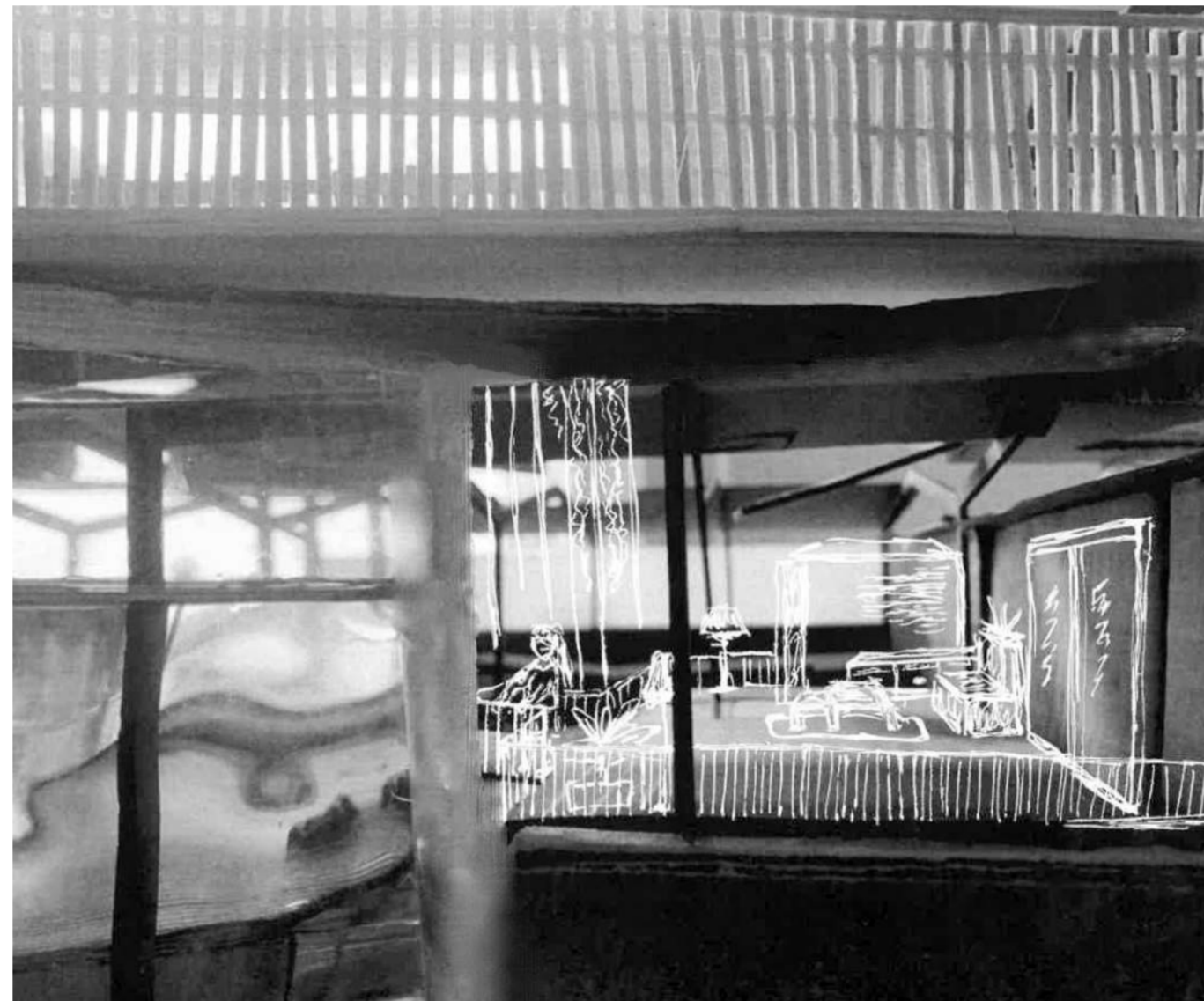
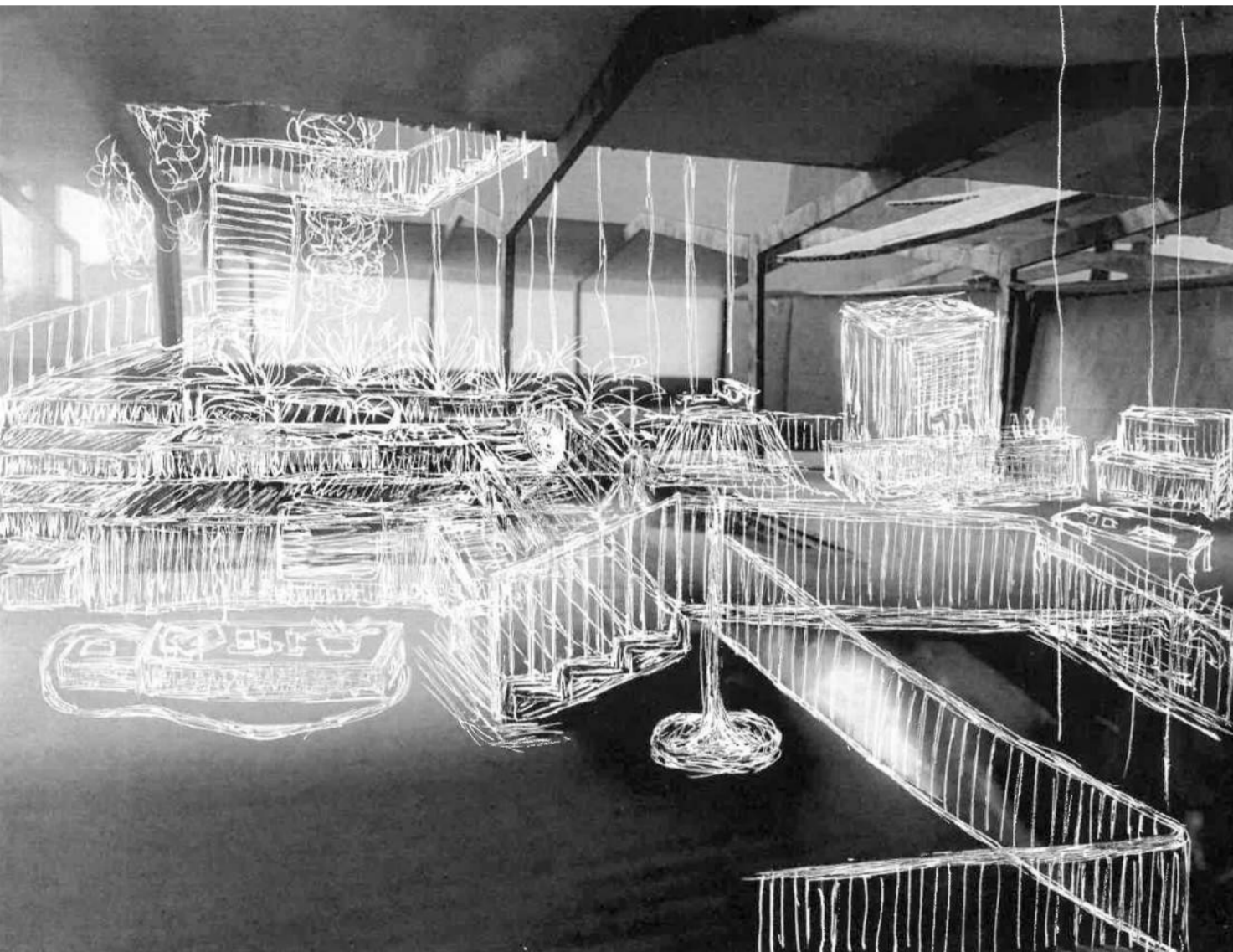
MODEL

Illustrates how the water walls and ponds create a distortion between the two spaces. Also, the sunlight highlights the steam coming from the pools. The movement of shadows from the above, reflecting the structure on water and spaces inside creates welcoming and calming atmosphere for the visitors.

1:50



GIVE THE SPACE LIFE
What is it like to be inside?

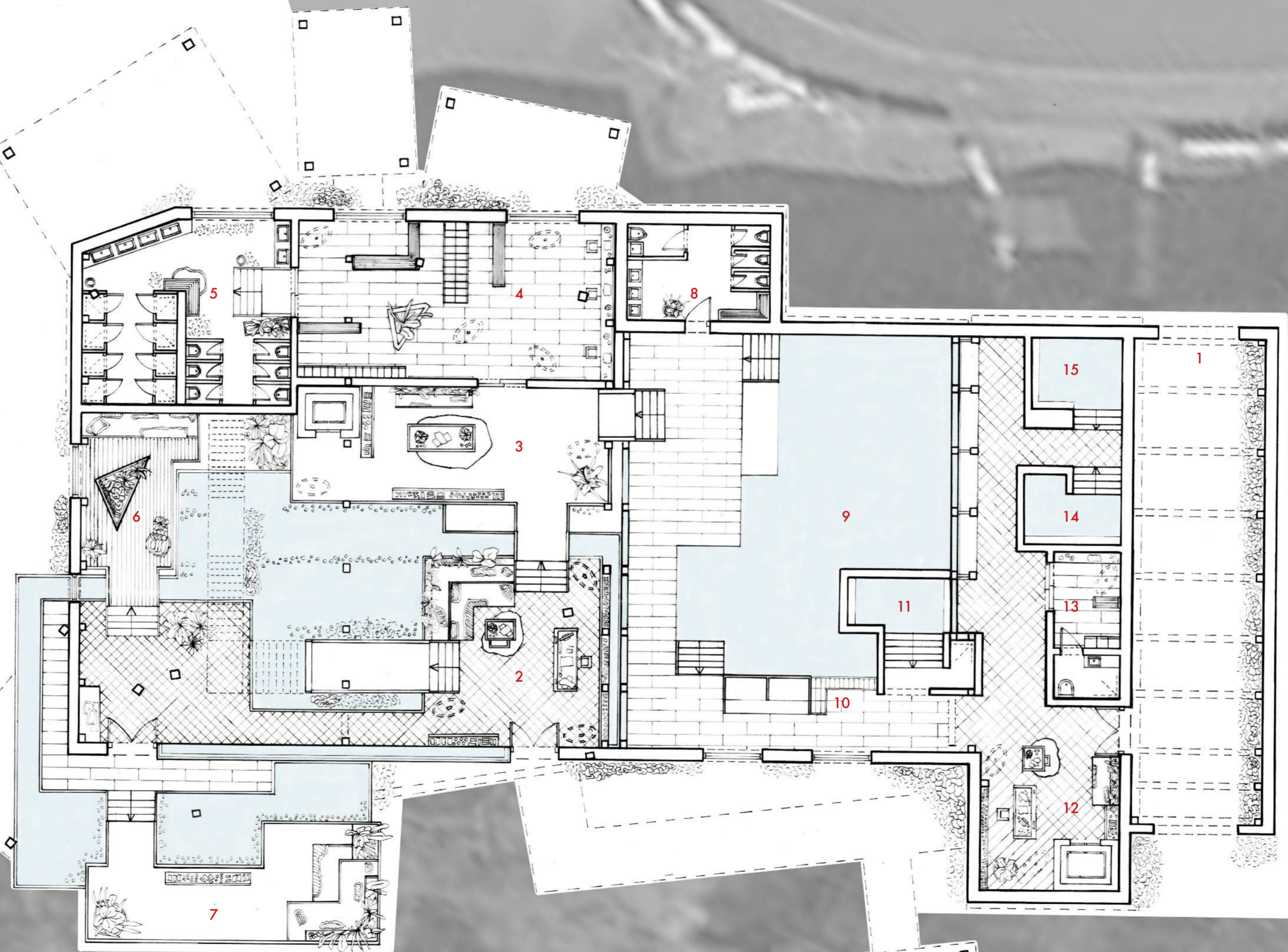
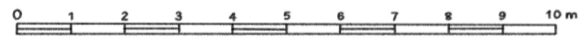


CHAPTER_03 Final Drawings

FLOOR_PLAN LEVEL 0

- 1) Entrance to the Spa (behind the building)
- 2) Reception
- 3) Waiting area
- 4) Changing rooms
- 5) Rest rooms and Showers
- 6) Semi-indoor seating space
- 7) Outdoor seating space
- 8) Rest rooms
- 9) Indoor bath 32C
- 10) Soap station
- 11) Flower bath 30C
- 12) Disabilities reception
- 13) Disabilities Changing room, Shower & Rest room
- 14) Cold bath 14C
- 15) Fire bath 42C

1:100 @A1

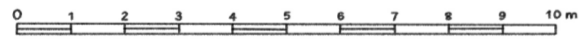


LVL 0
4/10

FLOOR_PLAN LEVEL 1

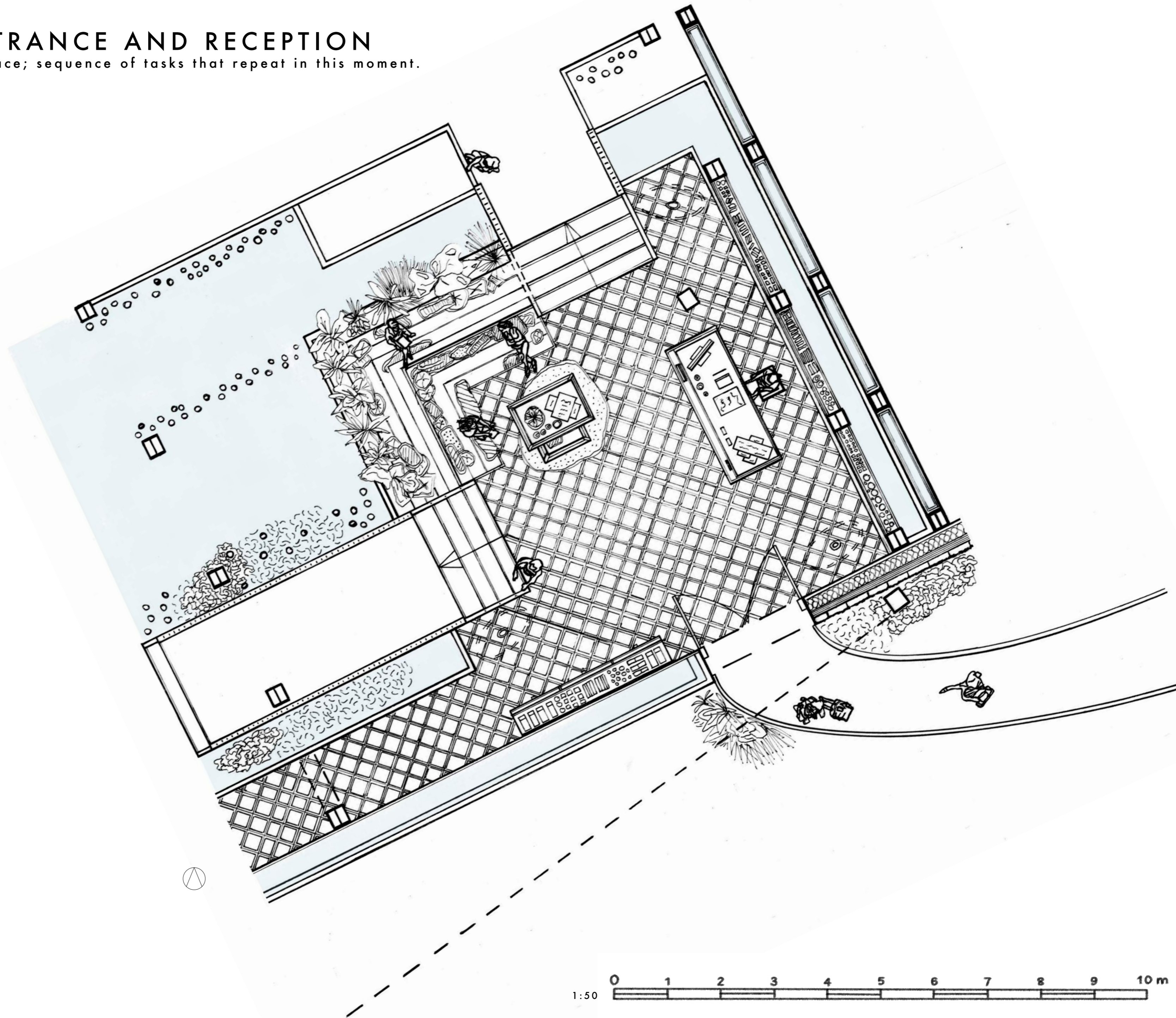
- 16) Rest rooms
- 17) Outdoor seating space
- 18) Waiting area
- 19) Facials
- 20) Staff room
- 21) Massages
- 22) Relaxation room
- 23) Sauna
- 24) Sweat rooms & Chambers

1:100 @A1



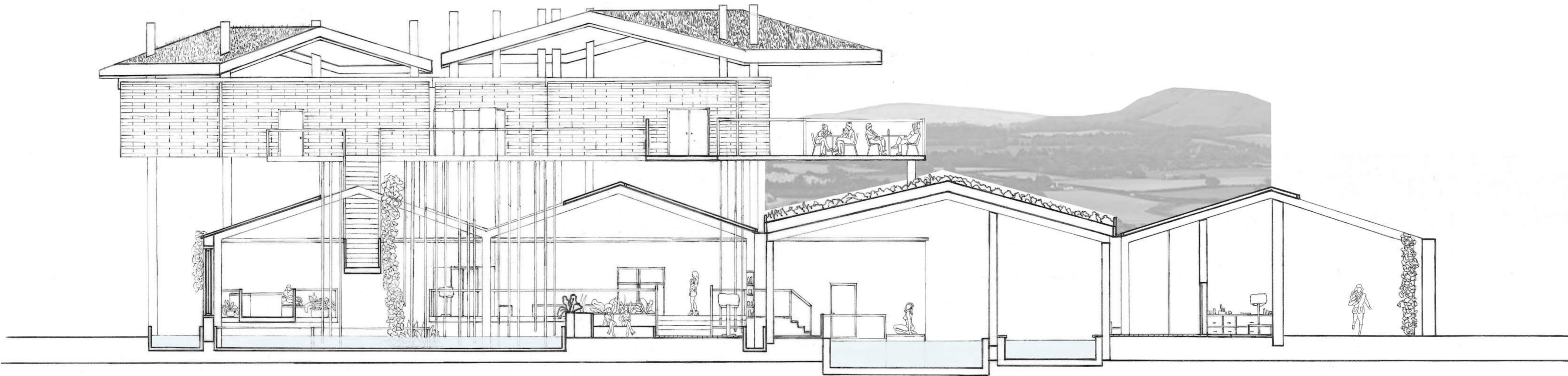
MOMENT OF THE ENTRANCE AND RECEPTION

Description of the moment through space; sequence of tasks that repeat in this moment.



SECTION

Highlighting the pools & ponds and the view at South Downs.

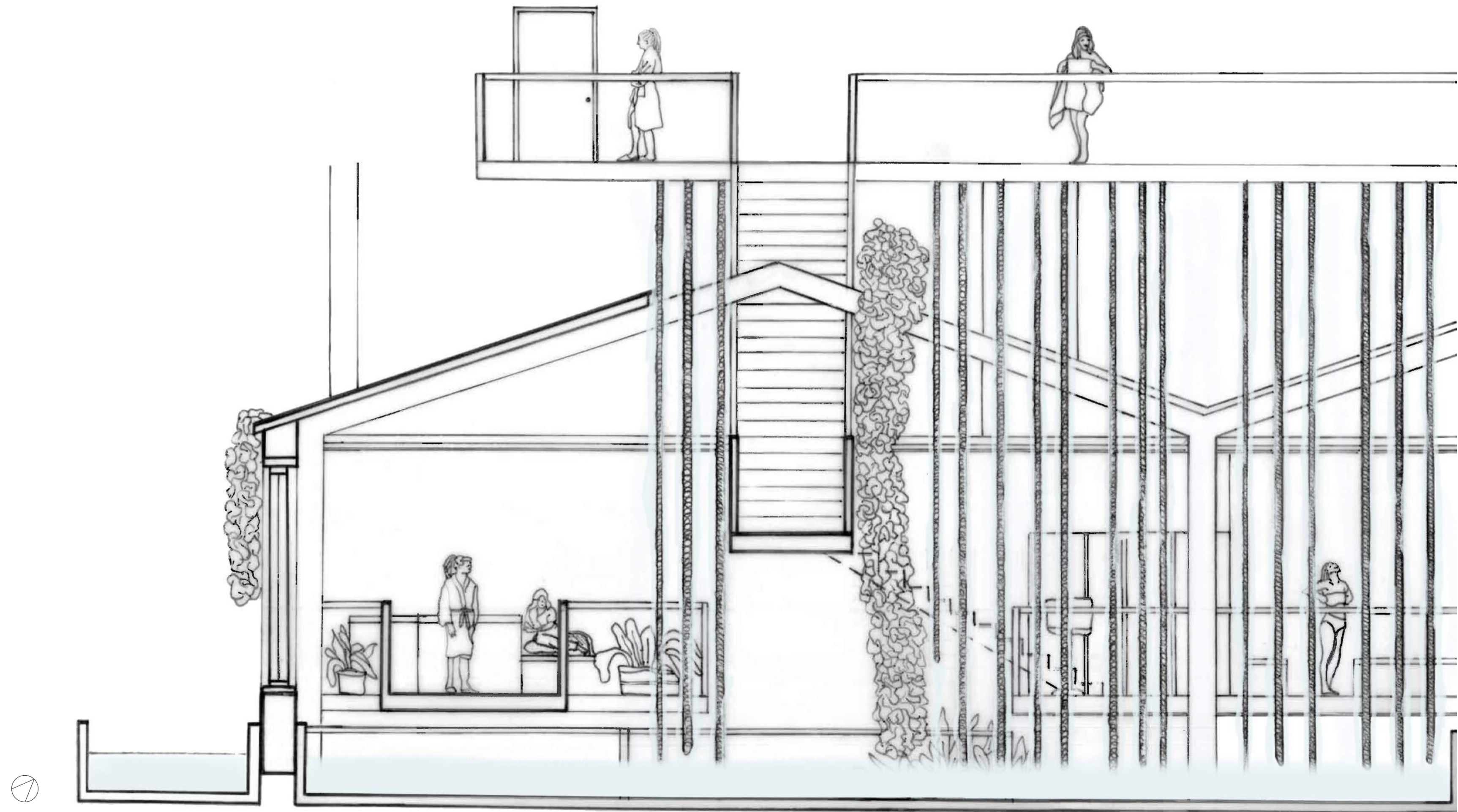


0 1 2 3 4 5 6 7 8 9 10 m 1:100 @ A1



MOMENT BY THE SEMI-INDOOR SEATING SPACE

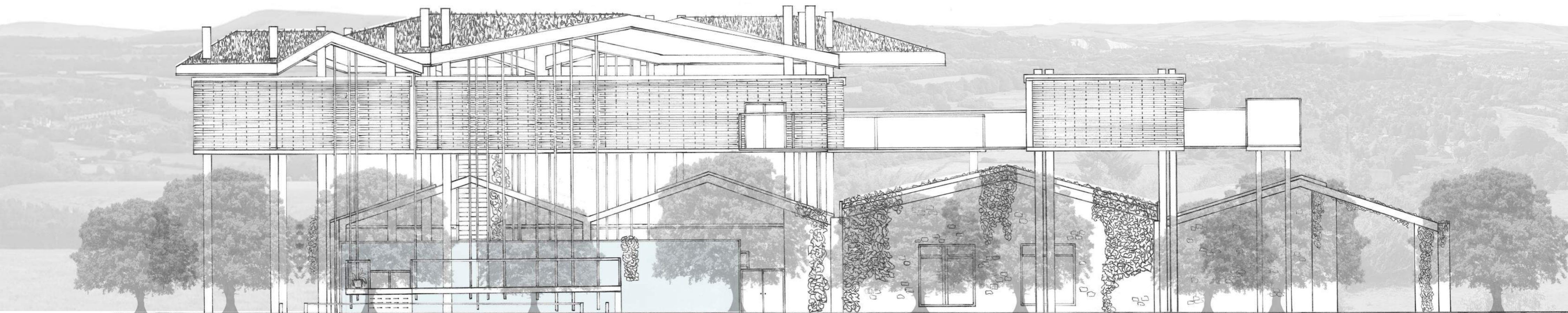
Portraying a relationship between the ponds and the water chains.



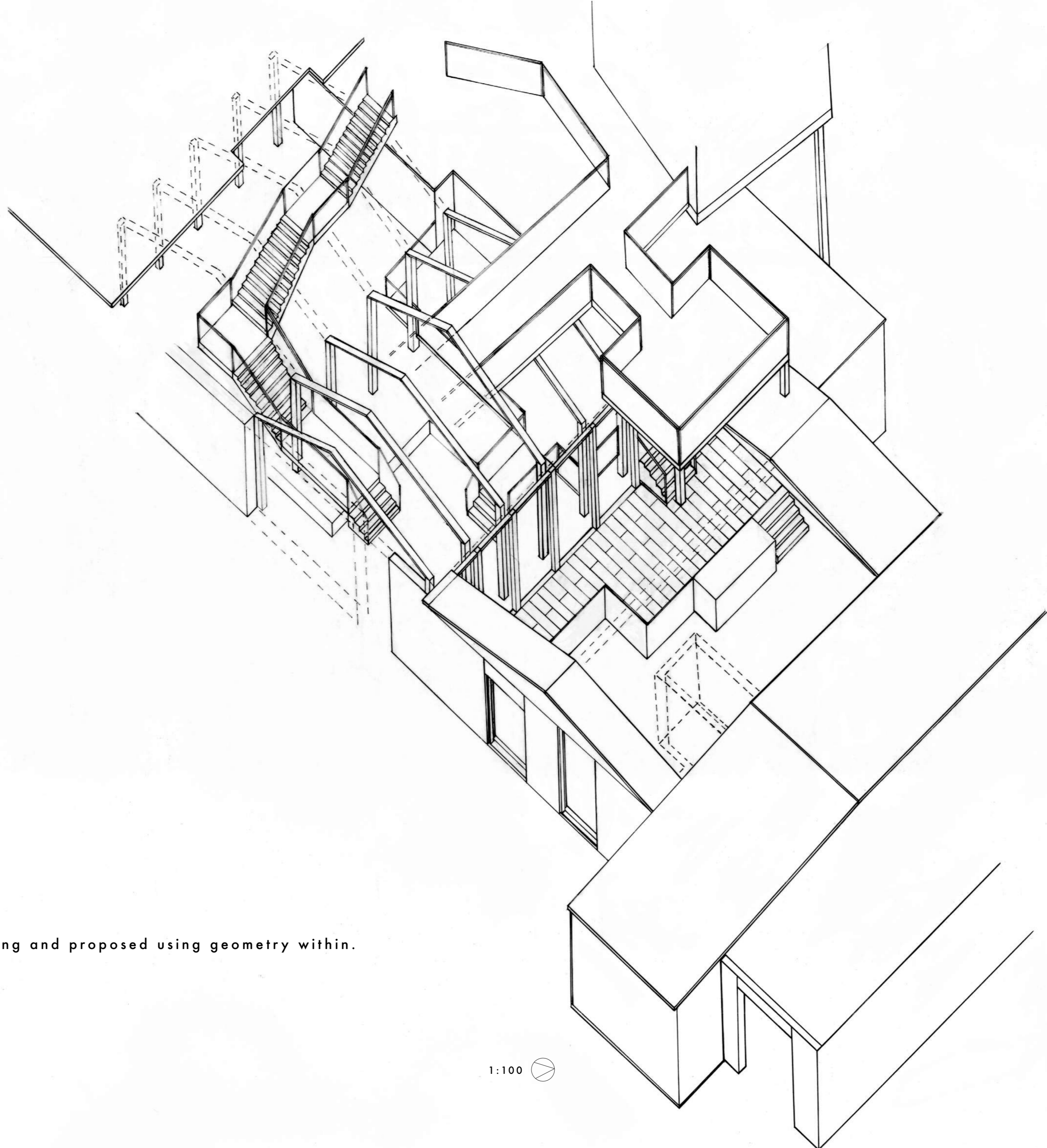
1:50 0 1 2 3 4 5 6 7 8 9 10 m

ELEVATION

Facing the main entrance, highlighting the water wall behind trees.



1:100 @A1 0 1 2 3 4 5 6 7 8 9 10m



CONNECTIONS

Relationship between existing and proposed using geometry within.

1:100



HEBREW SPRAY