

DESIGN STUDIO 2

PORTFOLIO

Galea_Amy_TFA1841_BookshopR&D

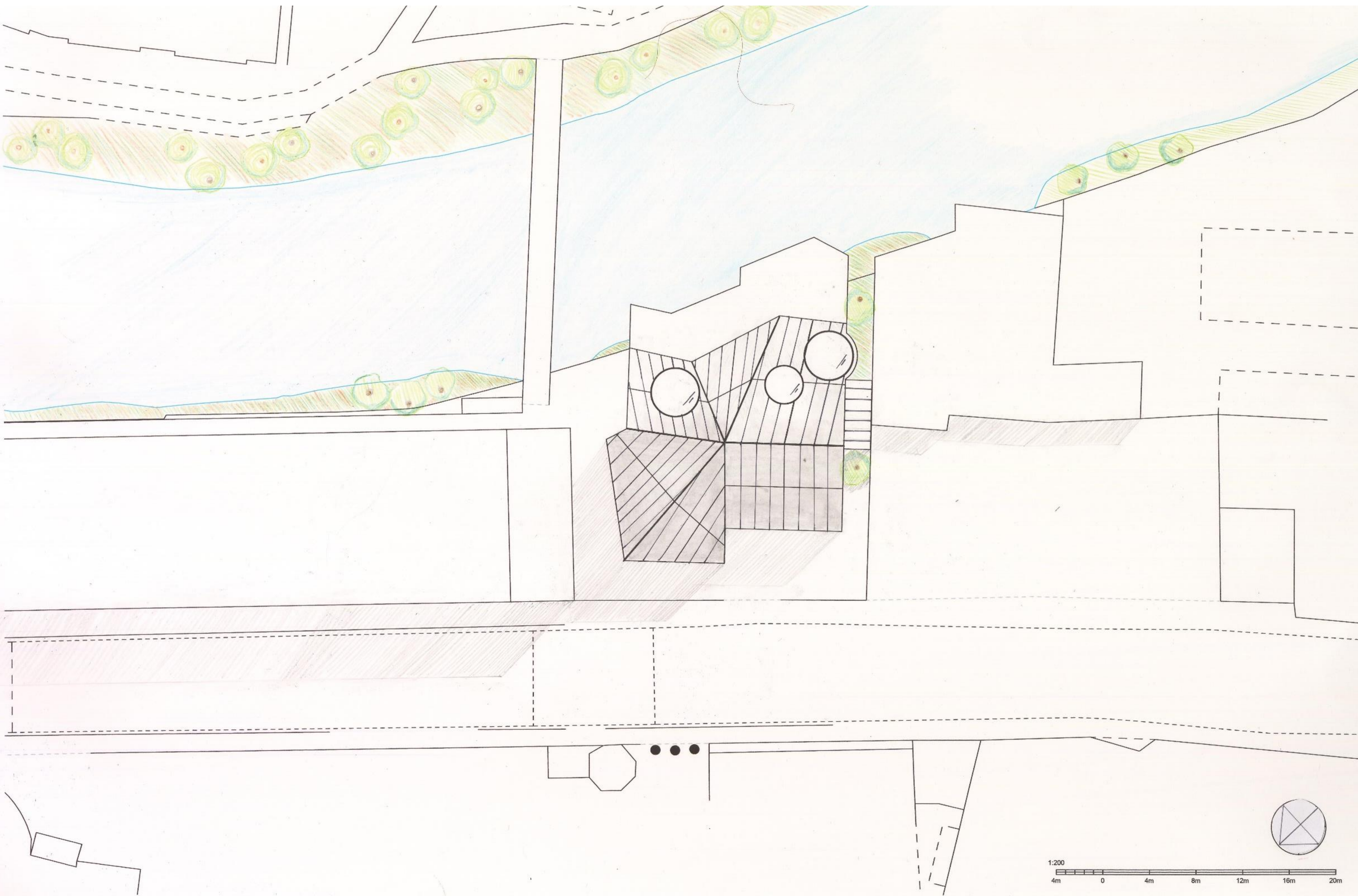
C CONTENTS

	PAGES:
LOCATION PLAN 1:200	3
SHADED ROOF PLAN IN CONTEXT 1:200	4
ROOF PLAN IN CONTEXT 1:200	5
ROOF PLAN WITH SITE DIAGRAMS 1:200	6
GROUND FLOOR PLAN IN CONTEXT 1:200	7
FINAL PLANS 1:200	8
SECTIONS IN CONTEXT 1:200	9
FINAL ELEVATIONS 1:200	10
DRAWN ELEVATION IN CONTEXT 1:200	11
DIGITAL ELEVATION IN CONTEXT 1:200	12
TECHNOLOGY SECTIONS 1:20	13
PLANS WITH ANNOTATIONS	14
POST DESIGN ANALYSIS	15-21
PHOTOGRAPHS OF 1:100 PHYSICAL MODEL	22
PHOTOGRAPHS OF 1:200 PHYSICAL MODEL	23-25
PHOTO-MONTAGES/VISUALISATIONS OF INTERIOR AND EXTERIOR SPACES	26-29

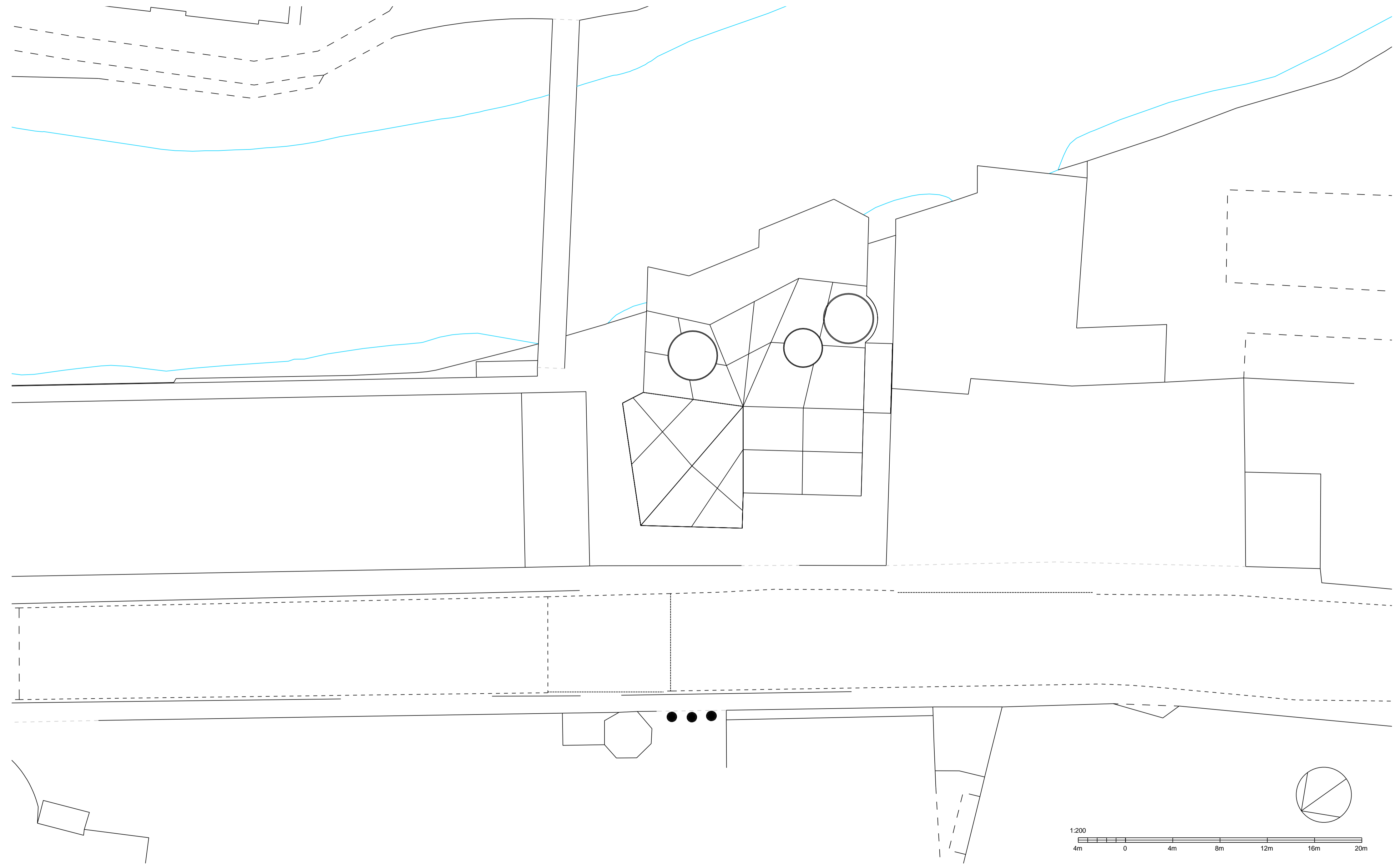
DRAWN LOCATION PLAN



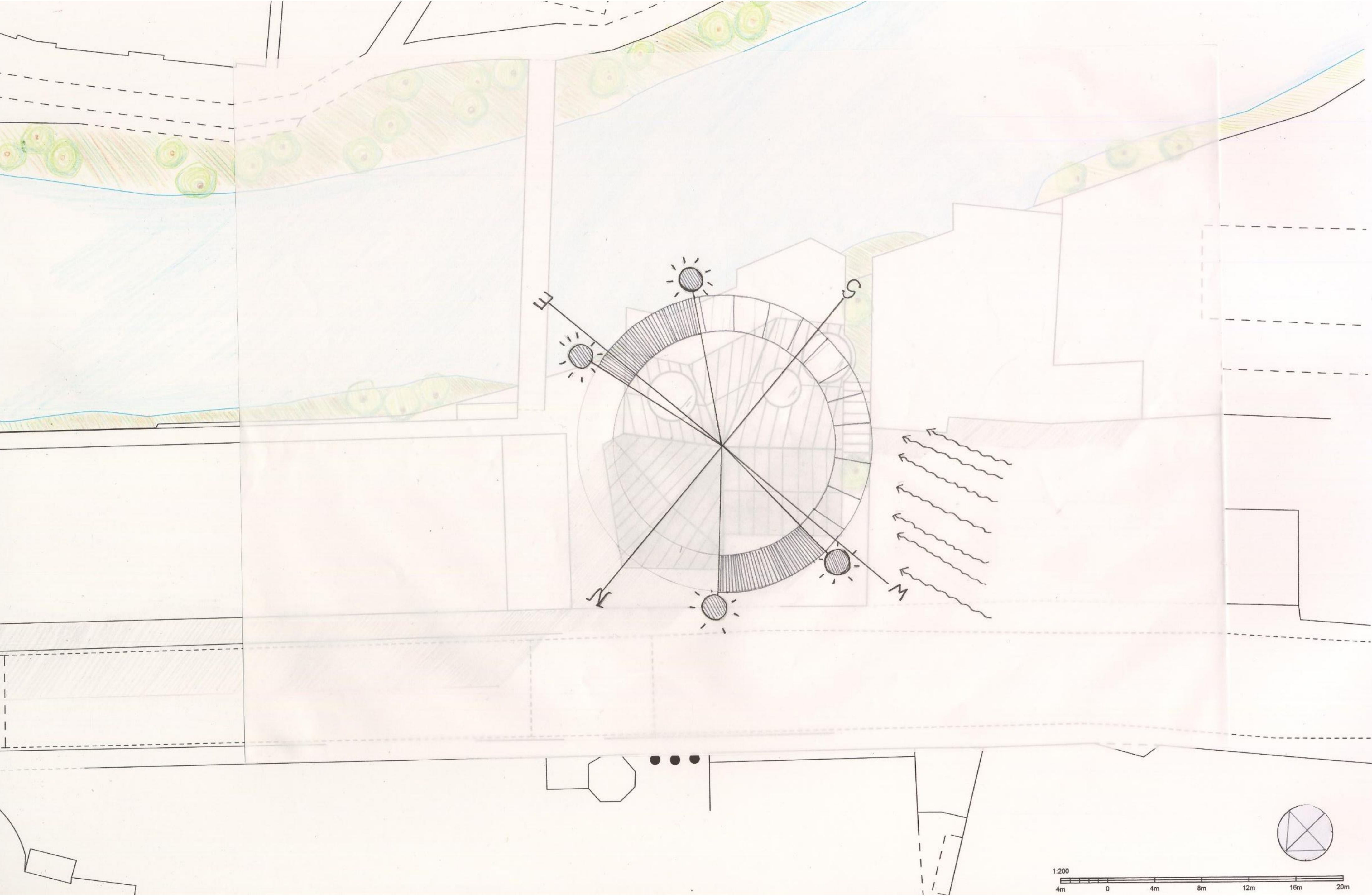
BOOKSHOP CAFETERIA- ROOF PLAN WITH SHADING



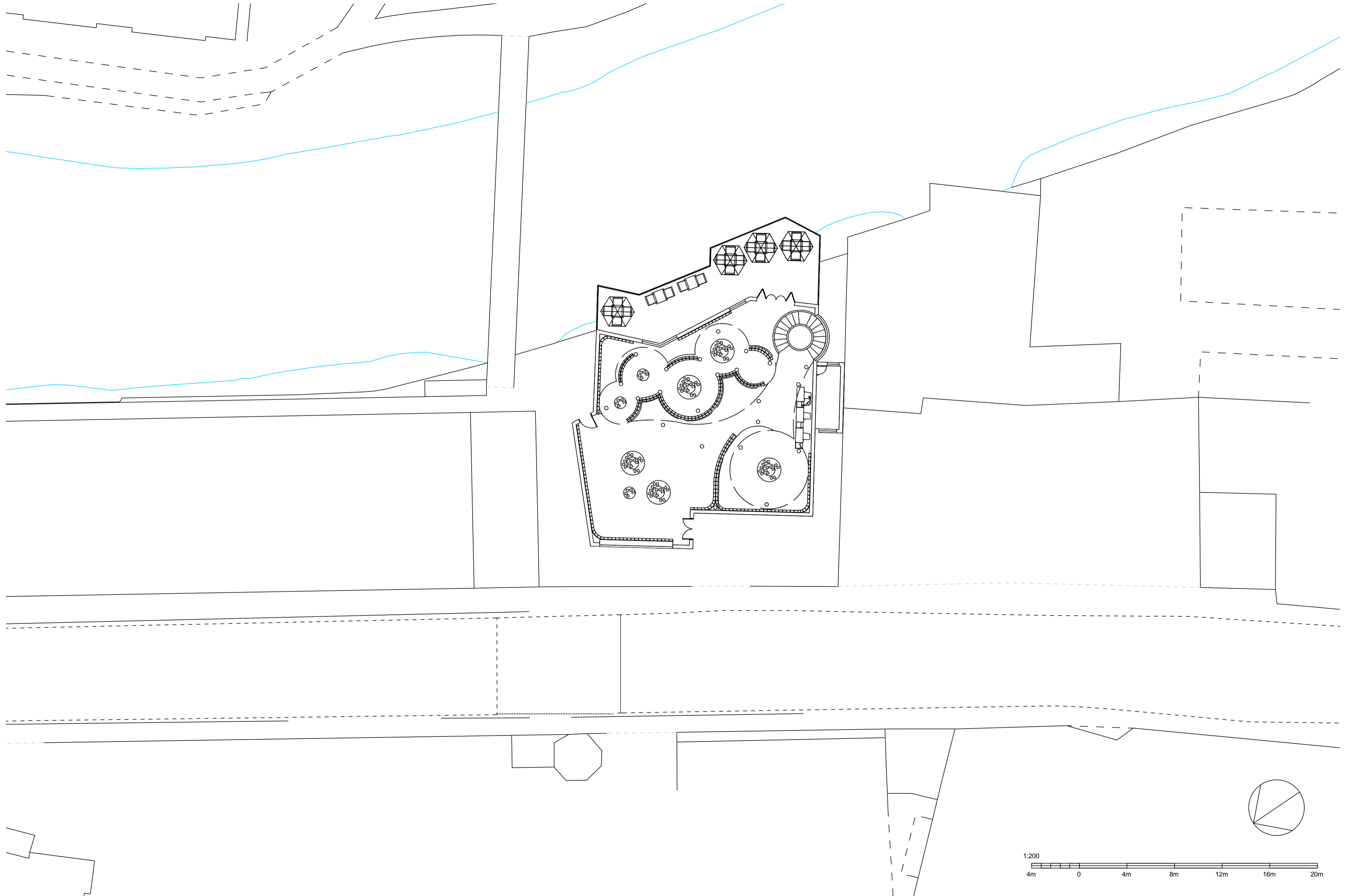
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- ROOF IN CONTEXT



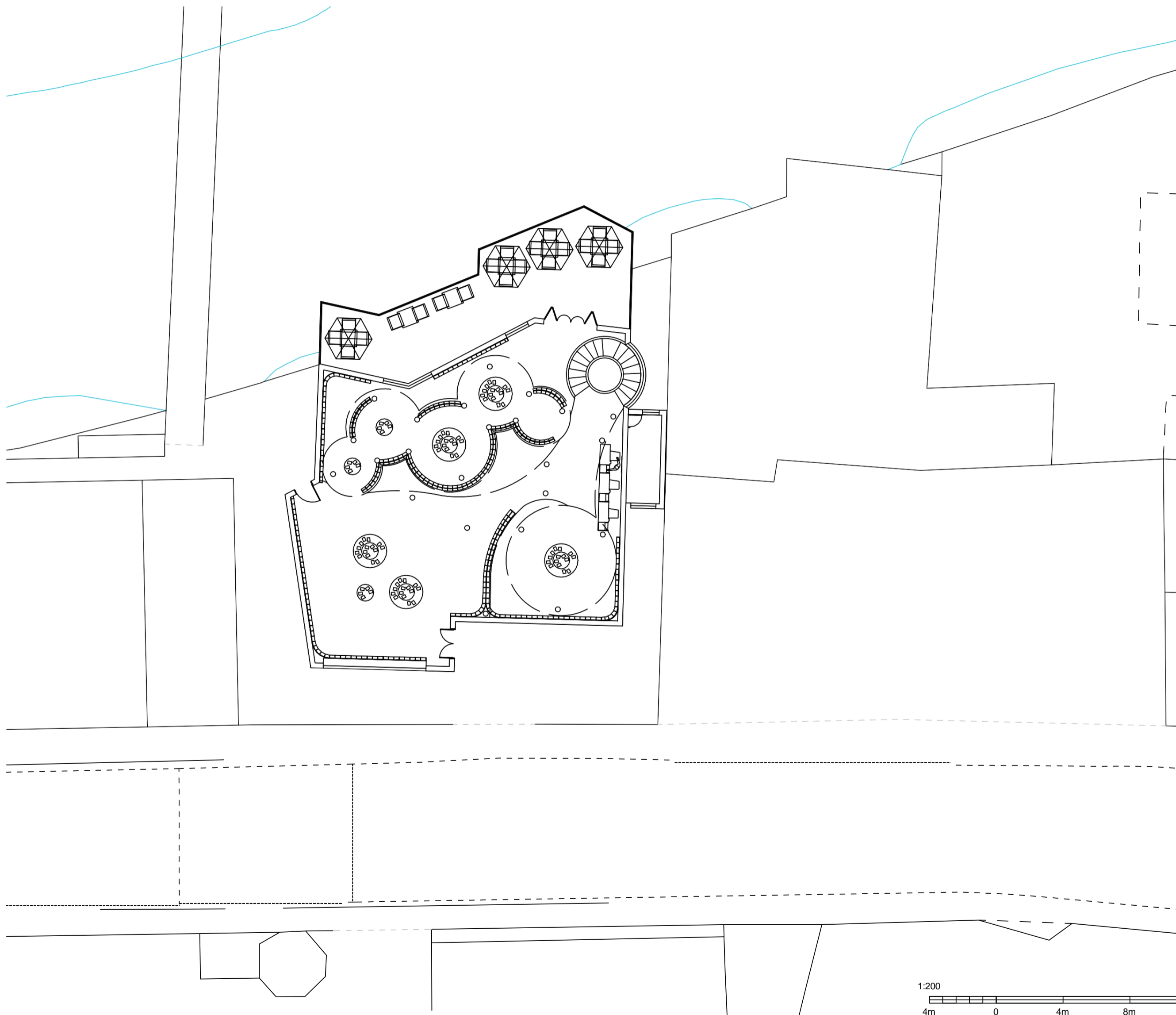
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- ROOF PLAN WITH SHADING AND SITE DIAGRAMS



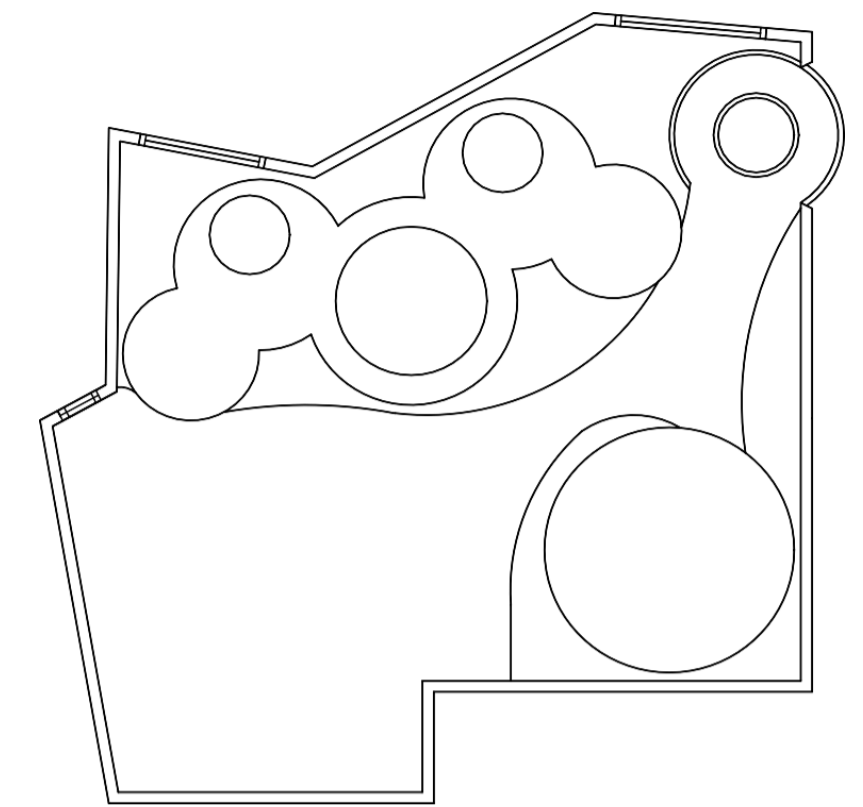
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- PLAN IN CONTEXT



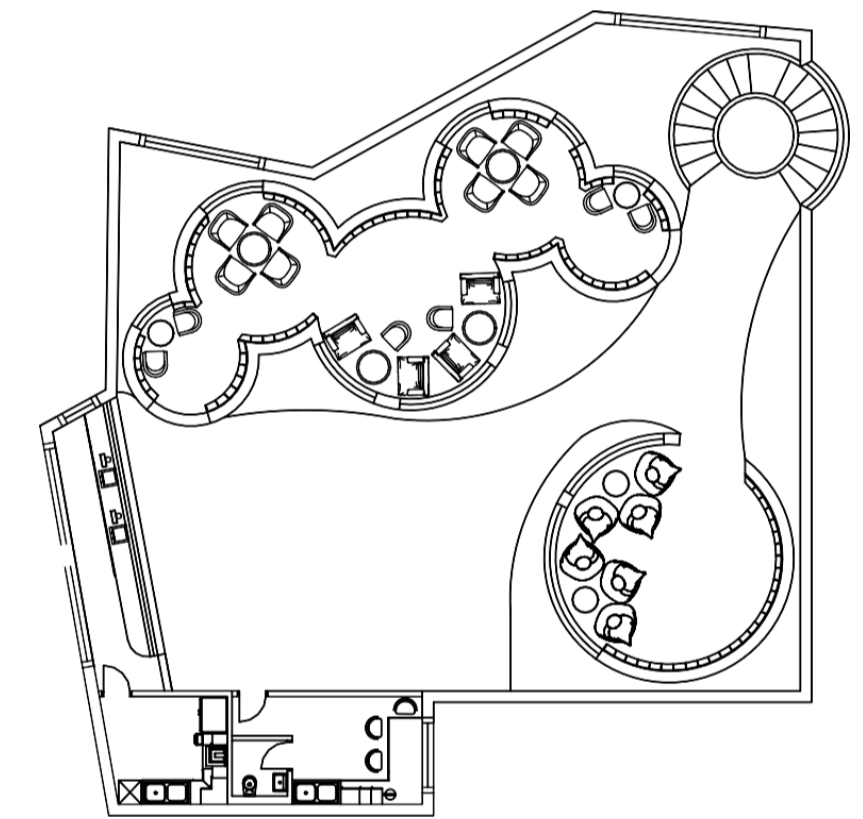
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- FINAL FLOOR PLANS



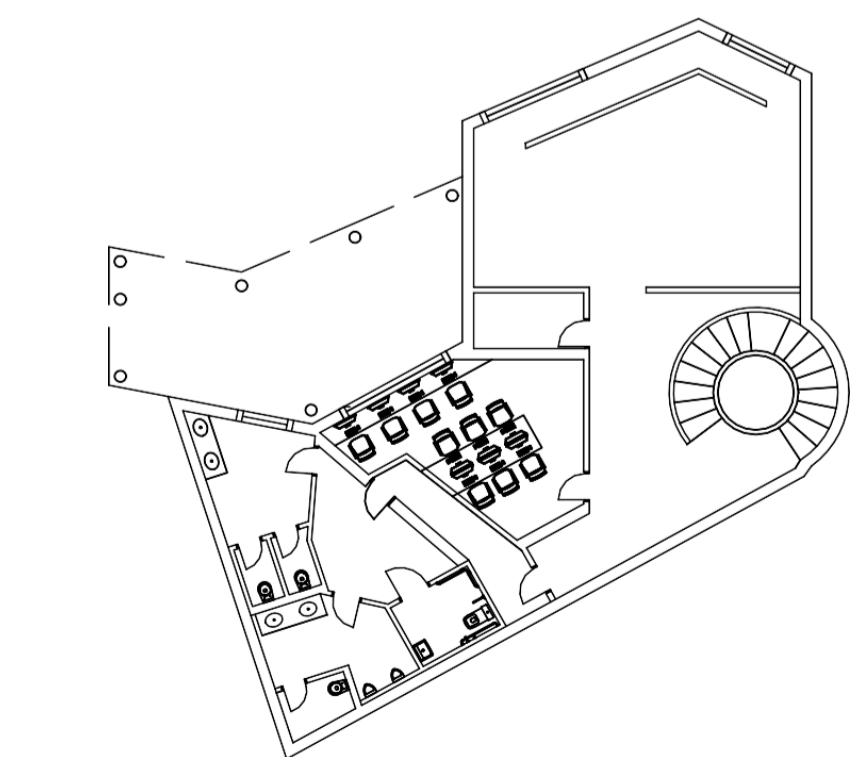
GROUND FLOOR IN CONTEXT



POD ROOFS



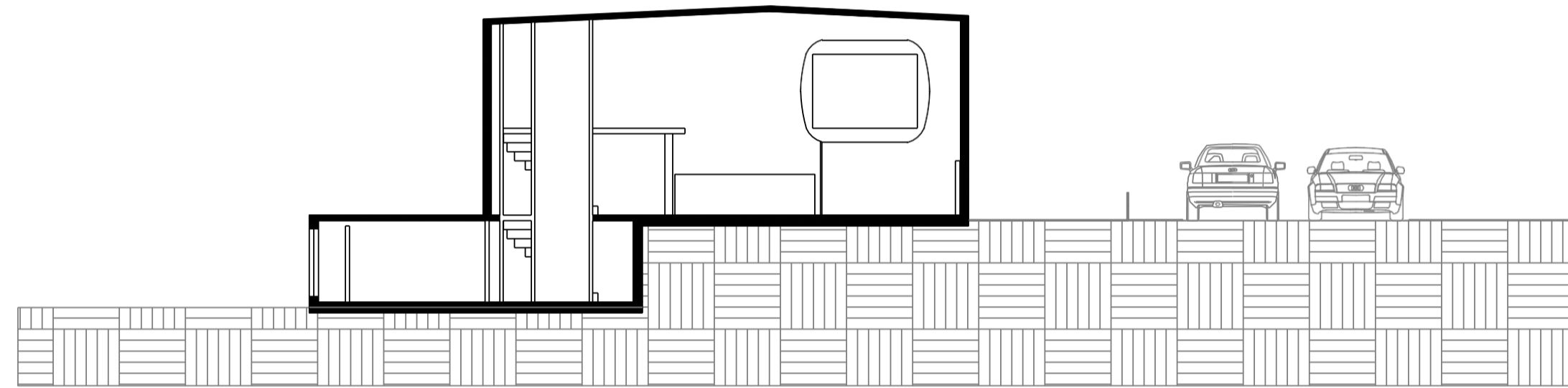
1ST FLOOR



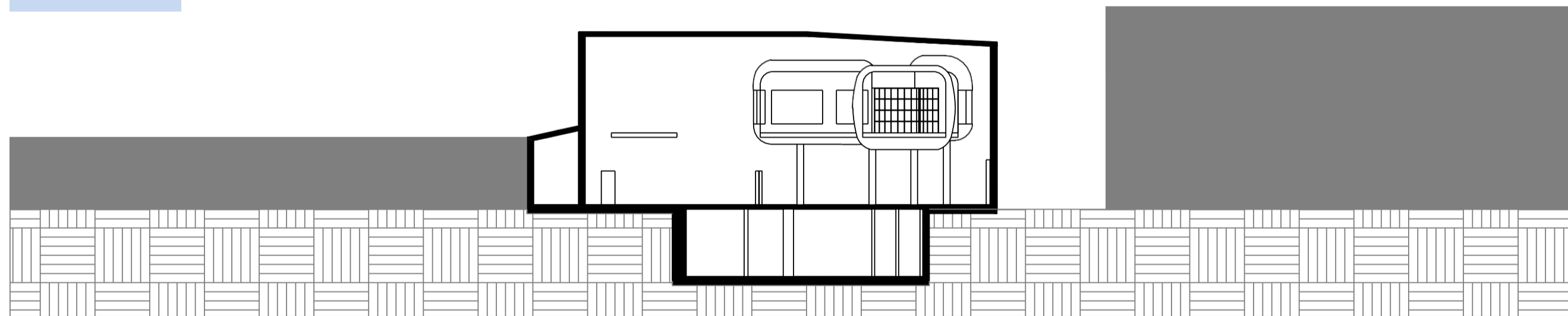
UNDERGROUND FLOOR

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- SECTIONS IN CONTEXT

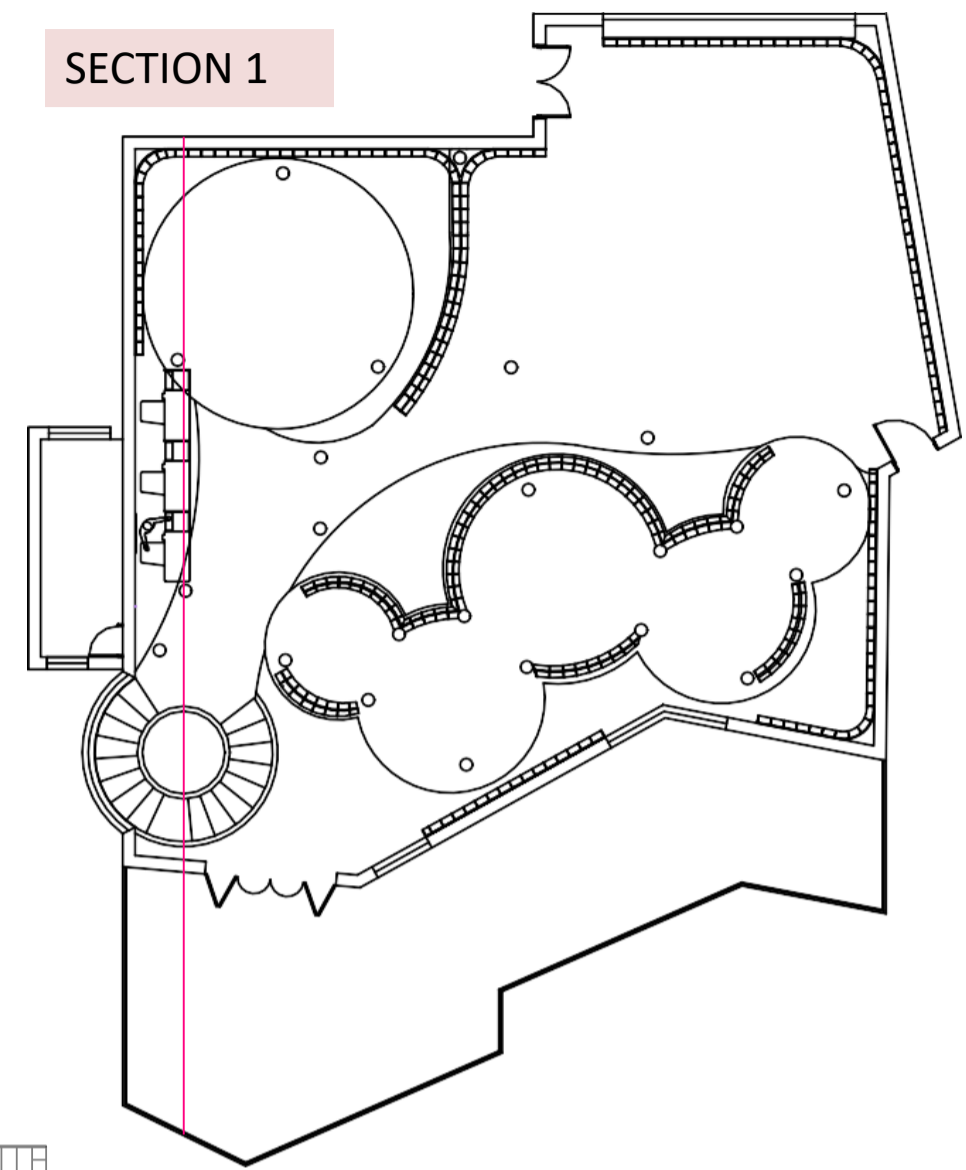
SECTION 1



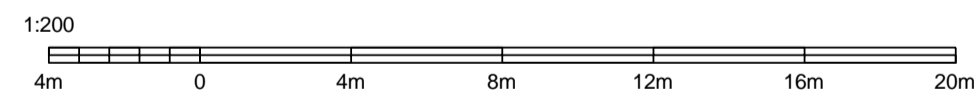
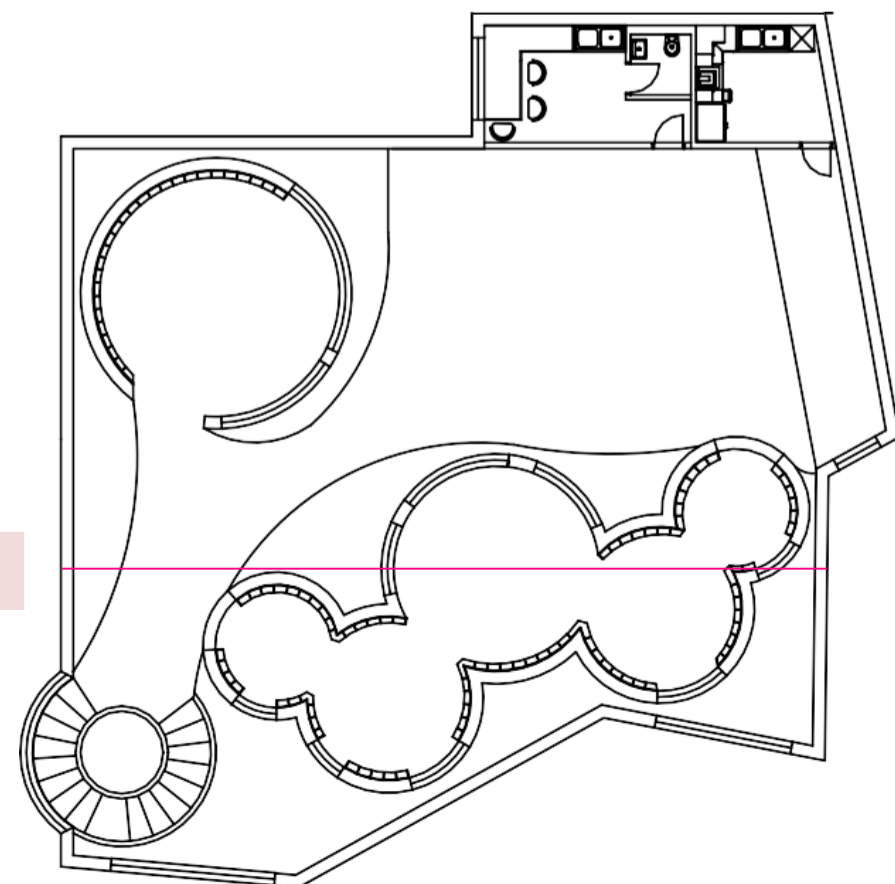
SECTION 2



SECTION 1

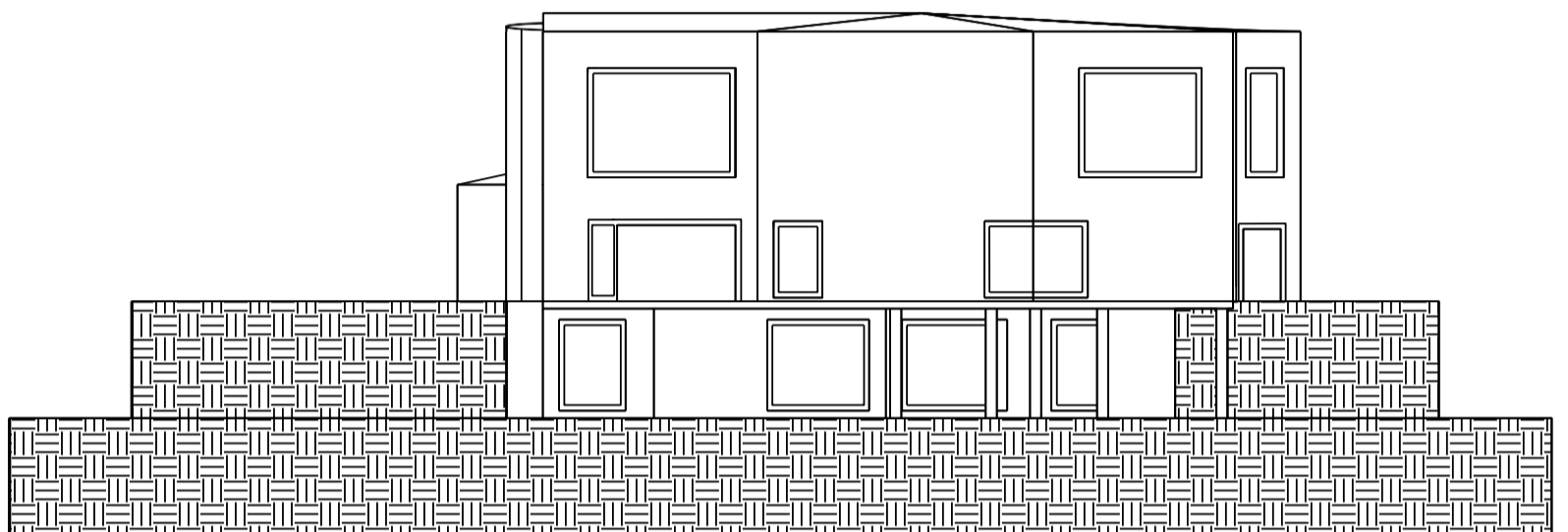


SECTION 2

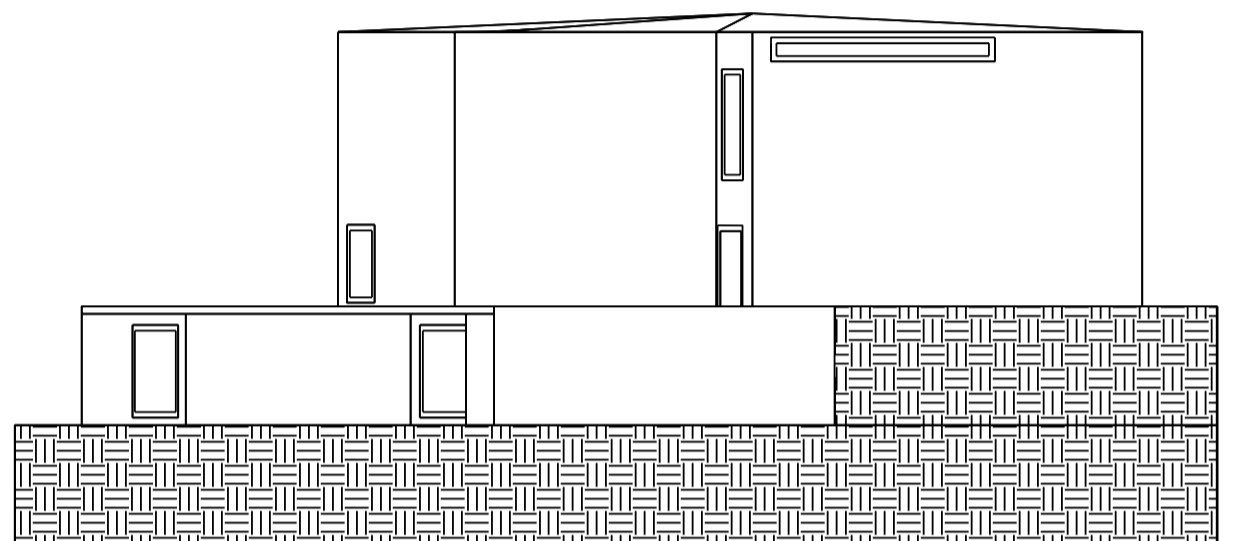


DESIGN STUDIO 2 BOOKSHOP CAFETERIA- ELEVATIONS

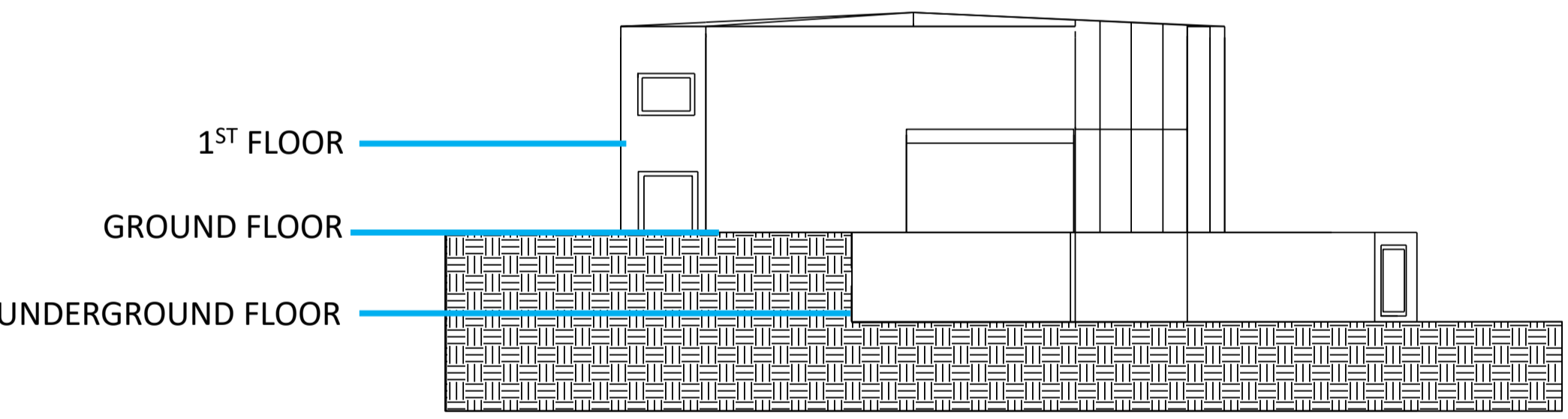
SOUTH-EAST



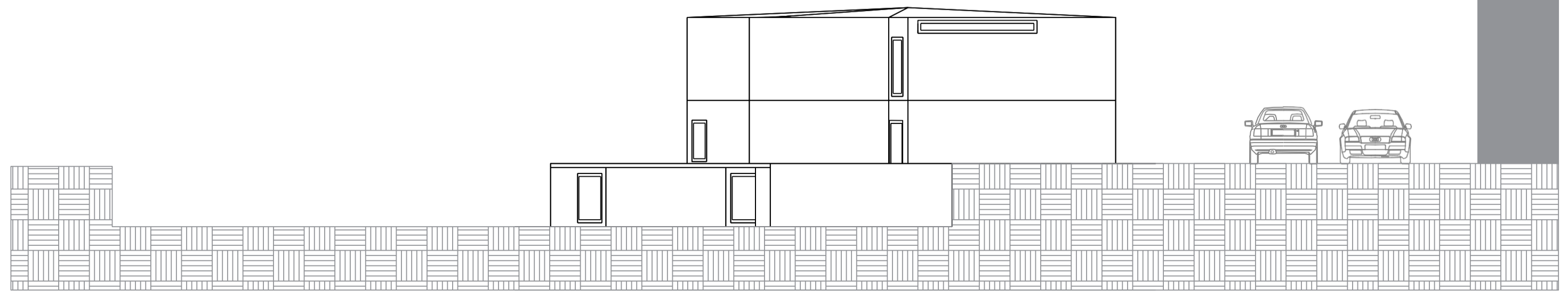
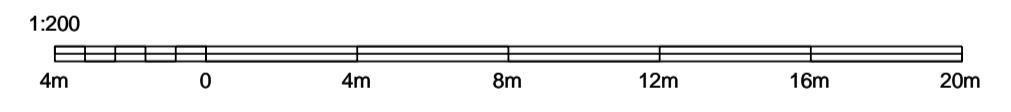
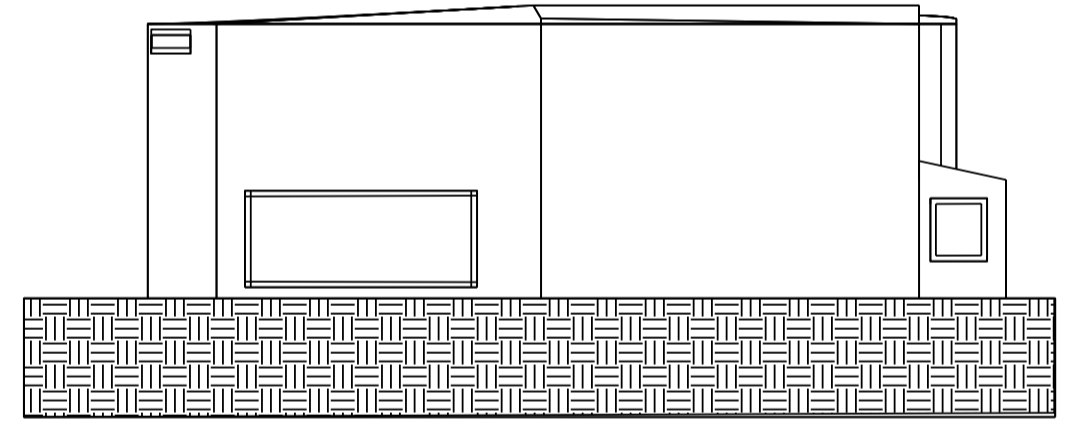
NORTH-EAST



SOUTH-WEST



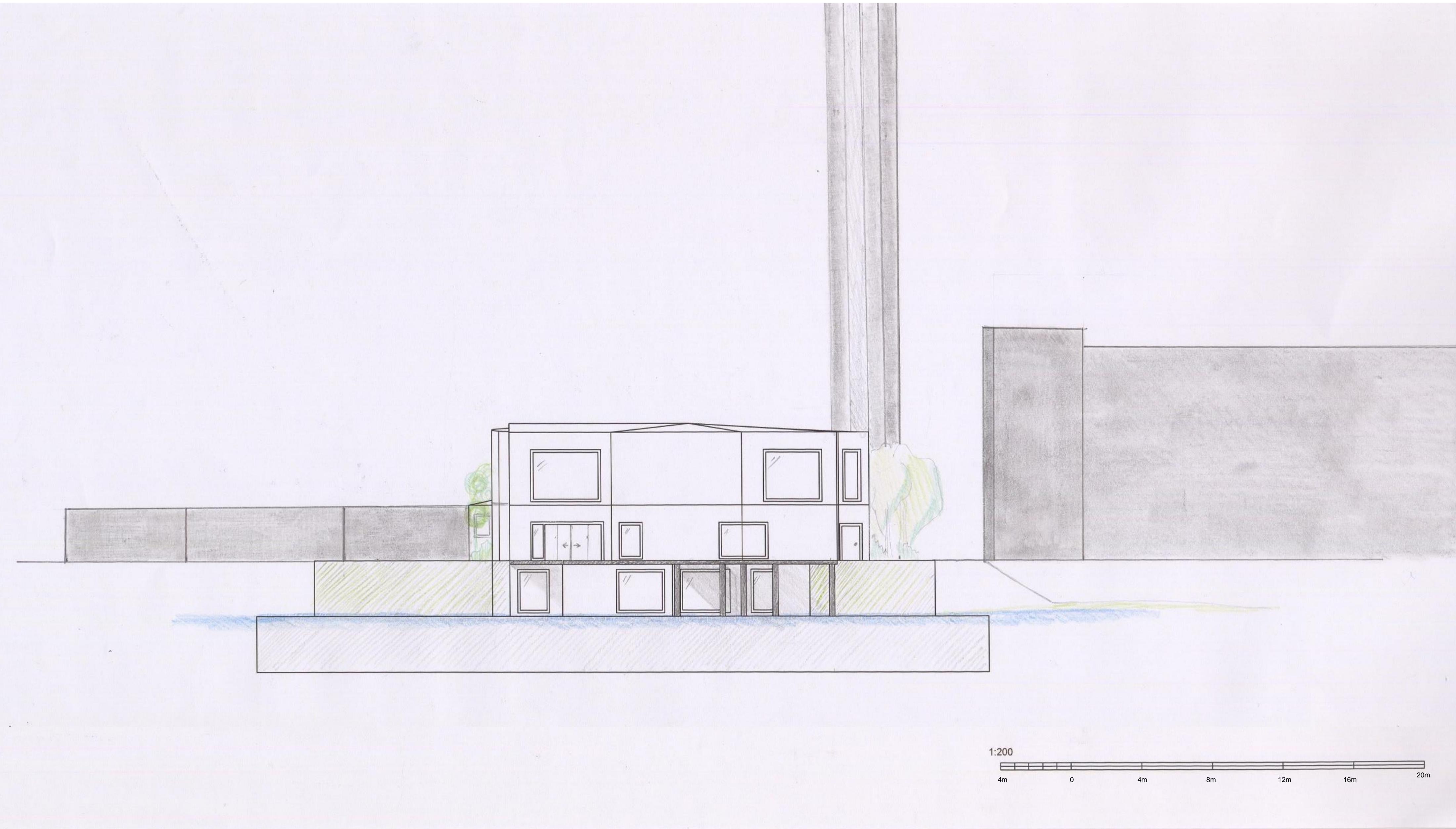
NORTH-WEST



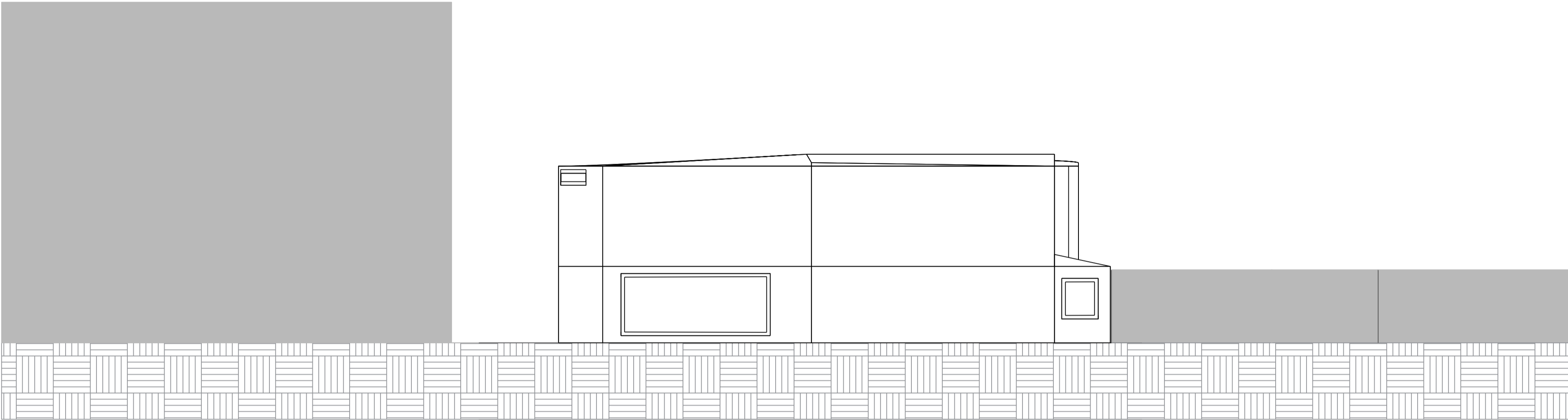
NORTH-EAST IN CONTEXT

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- ELEVATION IN CONTEXT

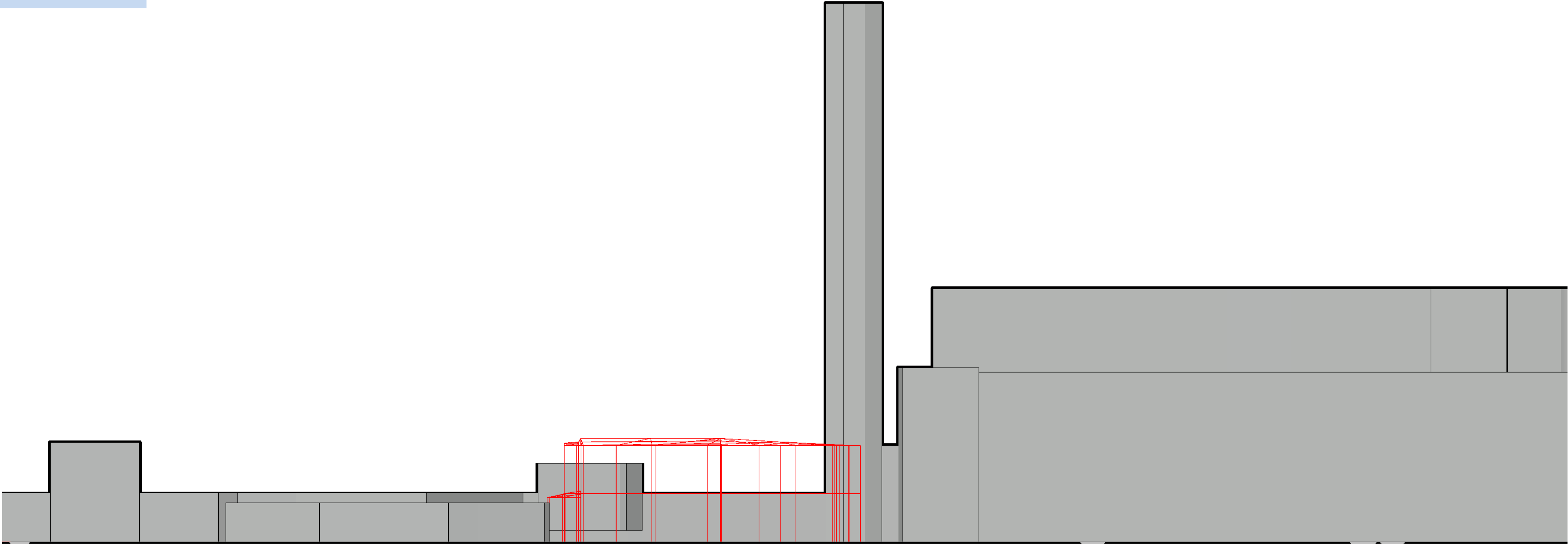
SOUTH-EAST IN CONTEXT SCALED 1:200



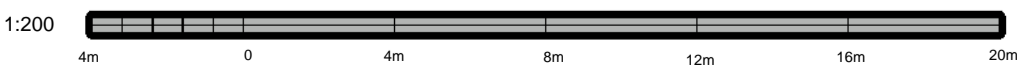
ELEVATIONS IN CONTEXT- SCALE 1:200



NORTH-WEST



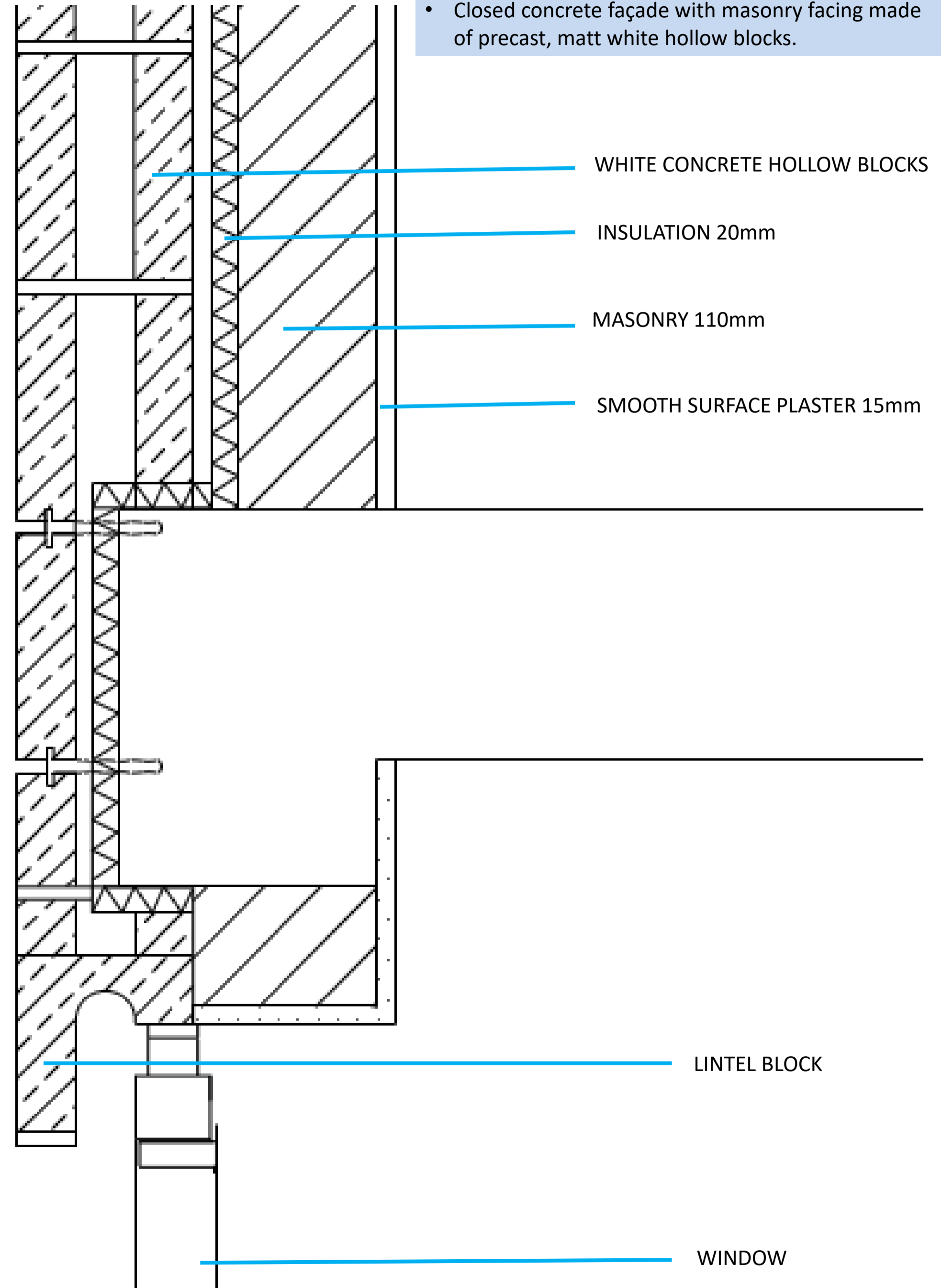
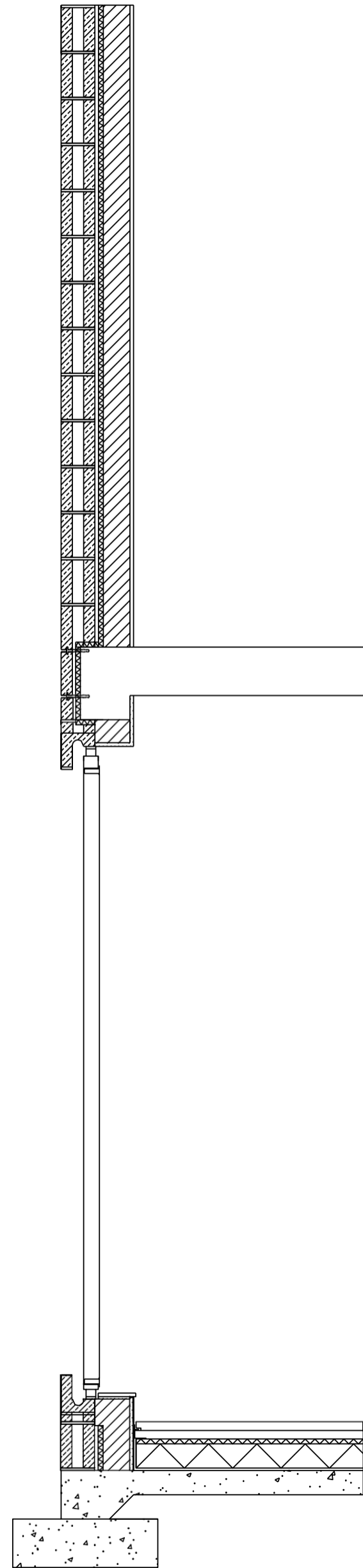
SOUTH-EAST



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- TECHNOLOGY DRAWINGS

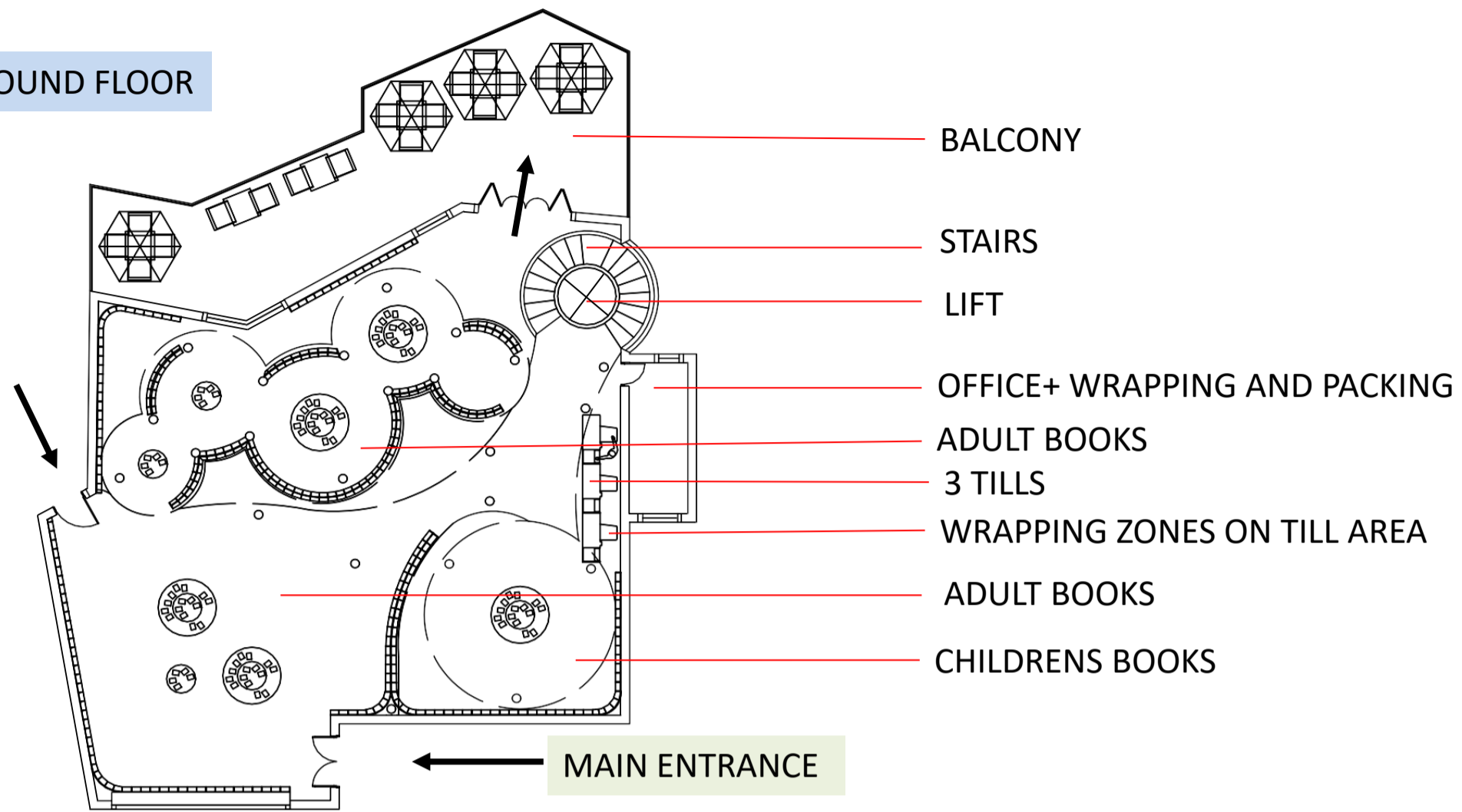
SCALED - 1:20

This section cuts through the Display window in the bookshop.

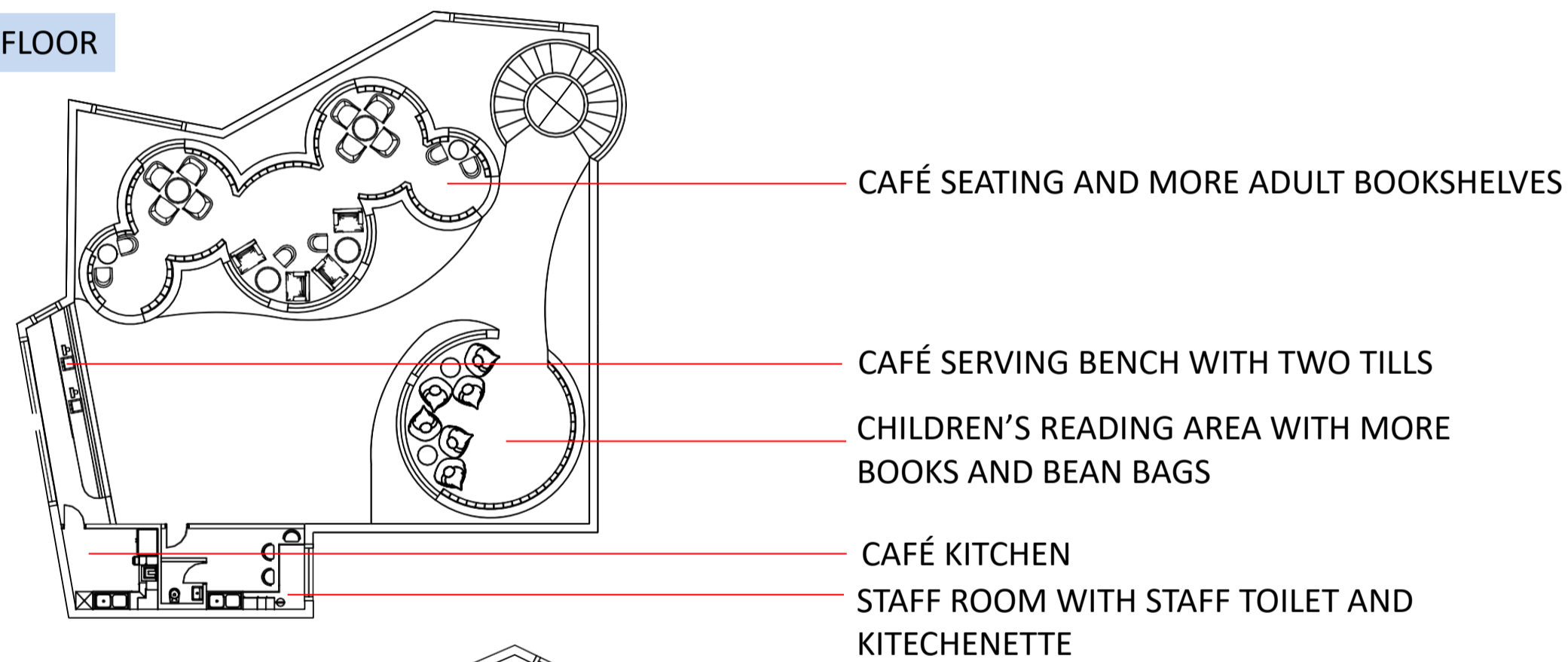


DESIGN STUDIO 2 BOOKSHOP CAFETERIA- CAD DRAWINGS WITH ANNOTATIONS

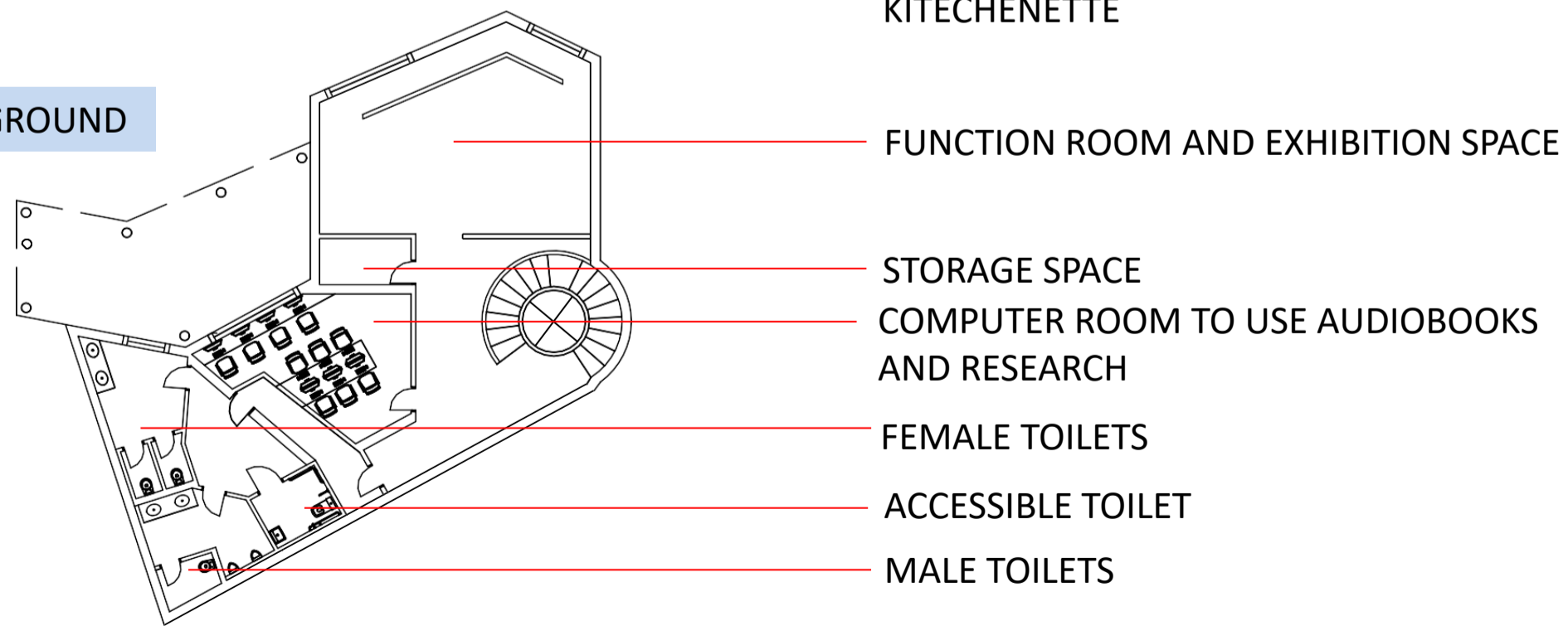
GROUND FLOOR



1ST FLOOR



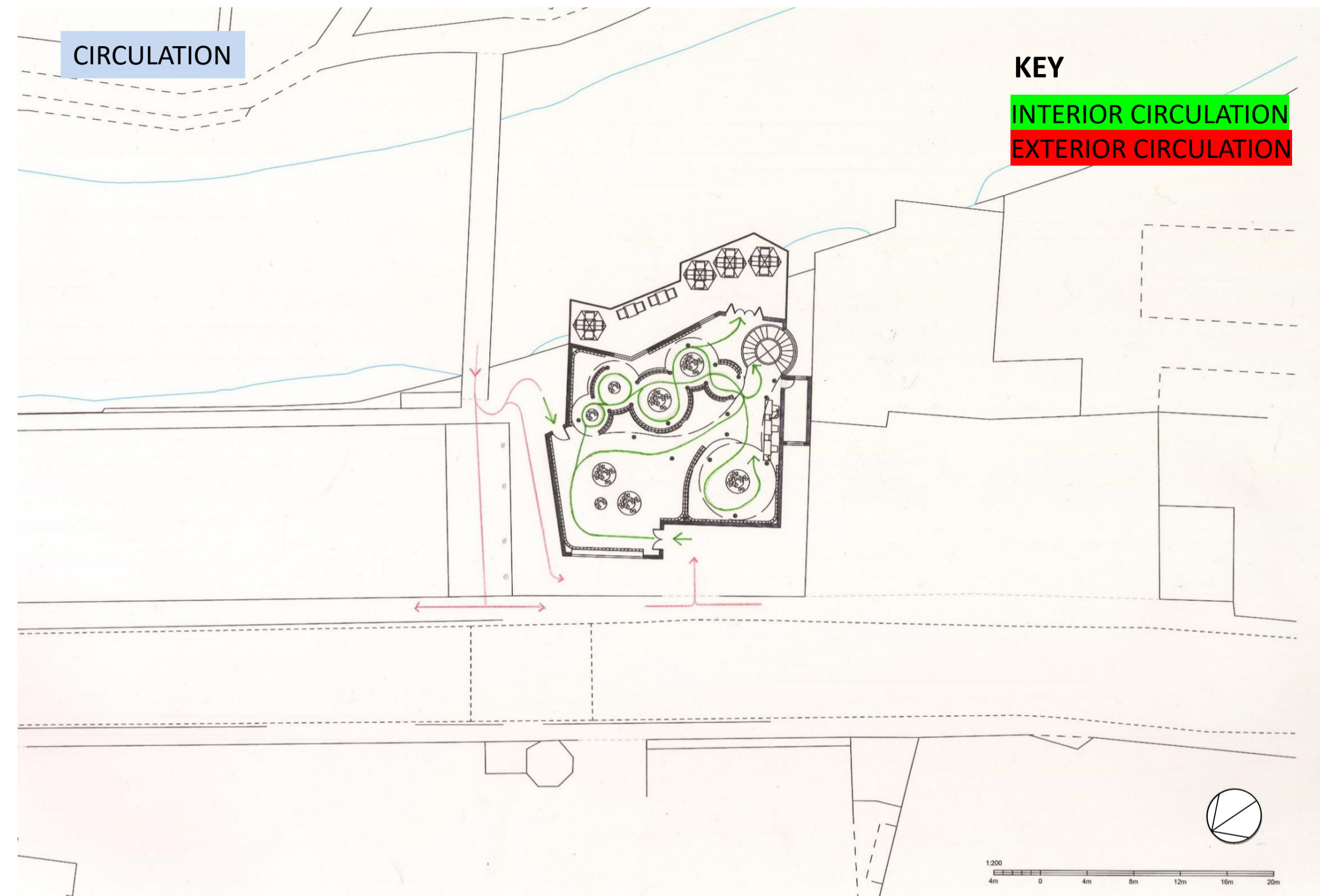
UNDERGROUND



CIRCULATION

KEY

INTERIOR CIRCULATION
EXTERIOR CIRCULATION



ANNOTATIONS WITH MORE DESCRIPTIONS



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- 1:100 SCALE UNDERGROUND FLOOR POST DESIGN ANALYSIS

MATERIALS

1. CONCRETE GLAZED COLOUMNS: I chose this materials as it links with the façade of my bookshop but also fits the situation of the site and the River Colne. Creating a more durable structure.
2. The underground walls and foundation have to be more sensitive to Structural Stability, Durability, Moisture exclusion, Insulation, and Proper Backfilling Method. The walls will be concrete and the walls you can see will have a glazed concrete panels like the Barbara Hepworth building

1. CUSTOMER TOILETS

For the female toilets, I gave them two cubicles with two sinks and a window (The window is covered by the balcony area and facing inwards there for its still private but letting some air and light in), with plenty of areas to move around. I gave them one cubicle, two sinks, and two urinals in the male bathroom. I also have an accessible toilet. I put the customer toilets downstairs on the underground level because it lets customers see the function and exhibition space and the available computer room. There could also be advertisements for events on the corridor down into the toilets. As shown in the visualisation of Figure A.

2. COMPUTER ROOM

I was really passionate about adding a computer room due to my personal experiences with reading and dyslexia, I thought it made the bookshop more diverse. This means that the bookshop can accompany different needs and sell things like audio books and digital books that can be read on the computers. The computer room could also be used for researching books and filling out order forms so the bookshop can order the book you want if they don't have it in stock. Which can then be delivered to the customer from there delivery service which they started in lockdown or for collection from the store. Another reason would be that university students could book the space to use for group projects as the bookshop is really close by to the university, having this room might attract students to come in use the space and look at the books they have to offer.

3. STORAGE ROOM

The storage room is located on the underground floor so that its out of the way of the main bookstore circulation but also close to the function room so they can store equipment in there for events they may hold.

ALTERATIONS THAT I WOULD MAKE POST DESIGN.

1. If I had more time on this project there is a couple of changes I would make to my design such as on the underground floor after reflecting on my design I would extend the wall to line up with the edge of the balcony line shown using the red arrows, I would do this it;
 1. make sense structurally for the balcony/ outside space
 2. Also add extra space for larger storage space and nicer/ more customer toilets
 3. would also be beneficial for letting more light in through the window in the computer room.

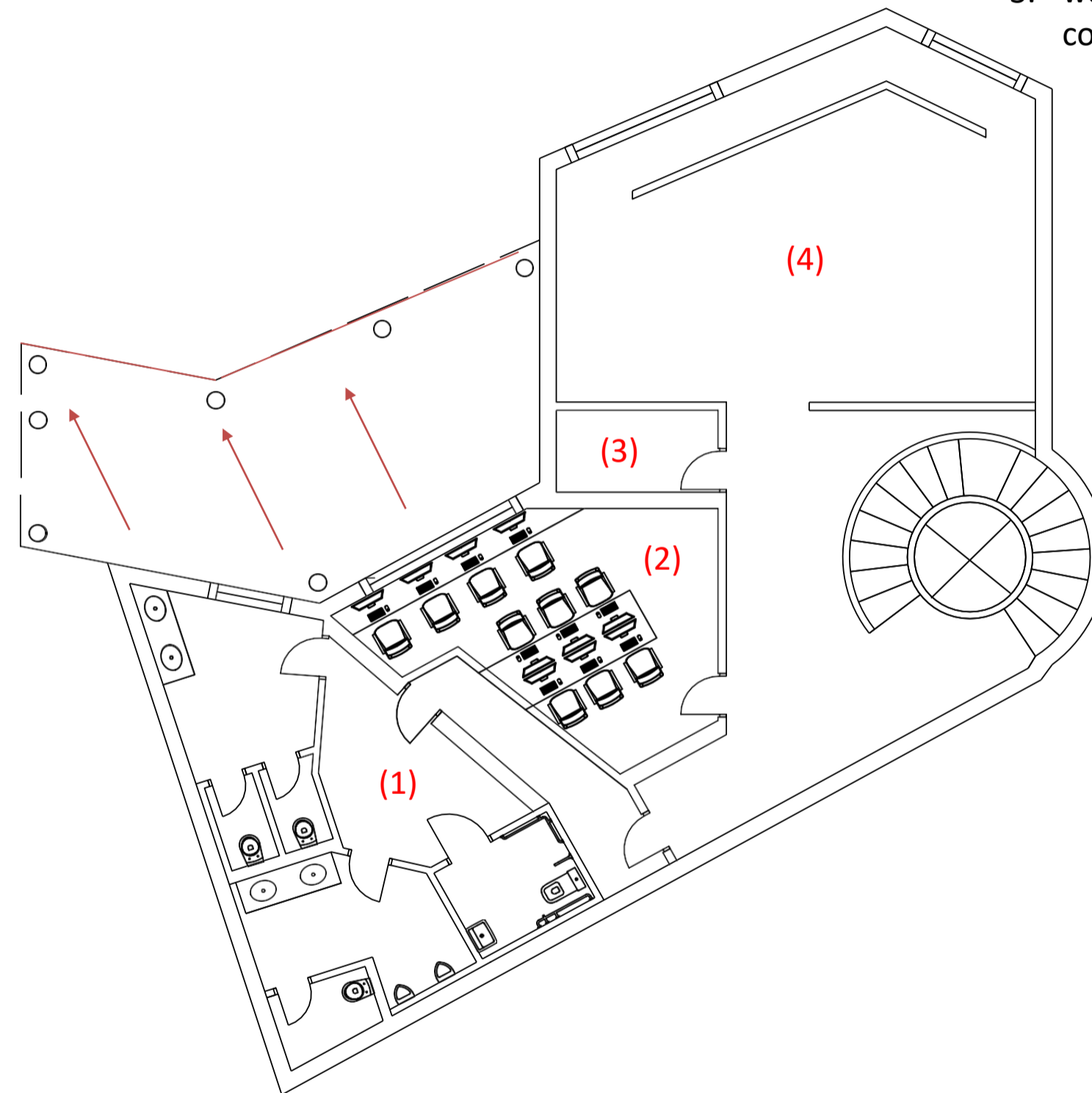
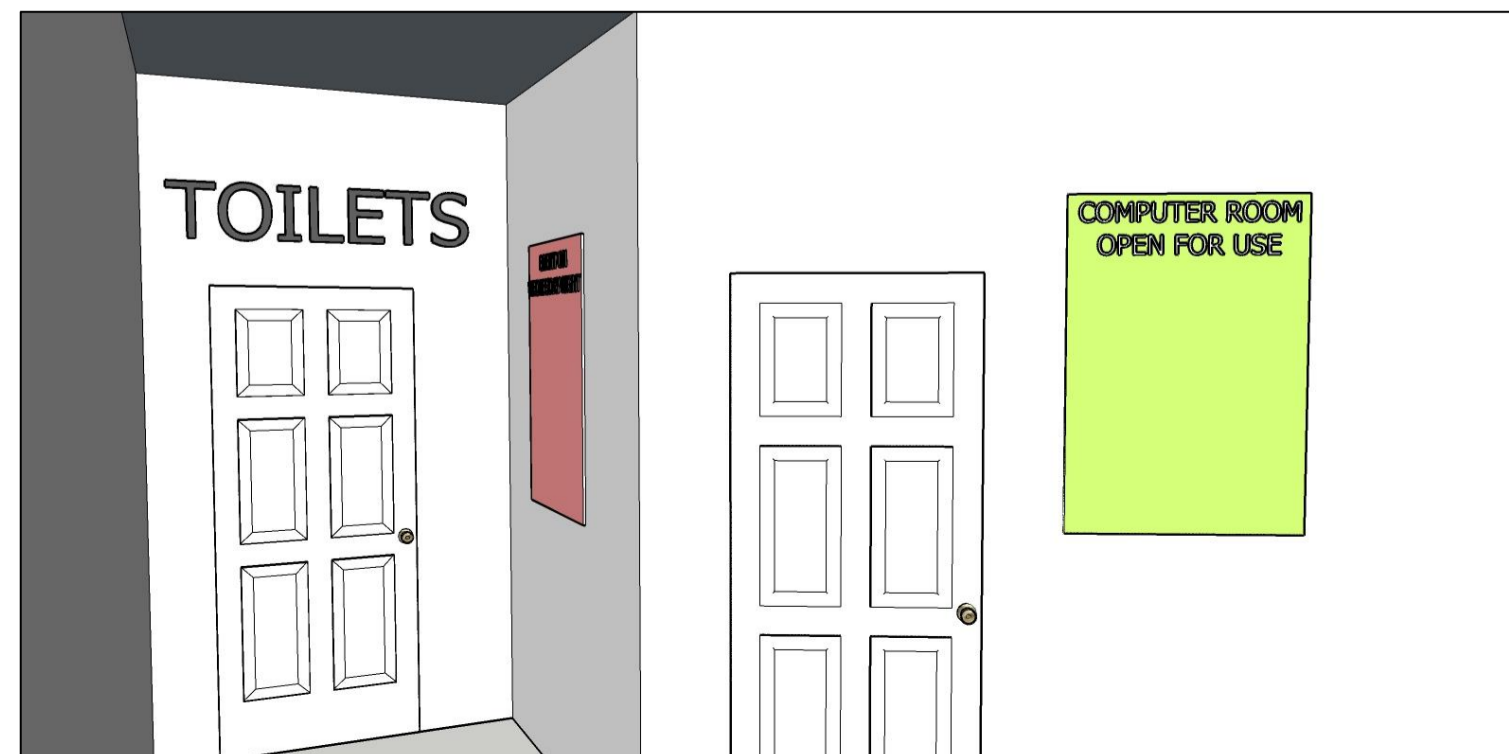
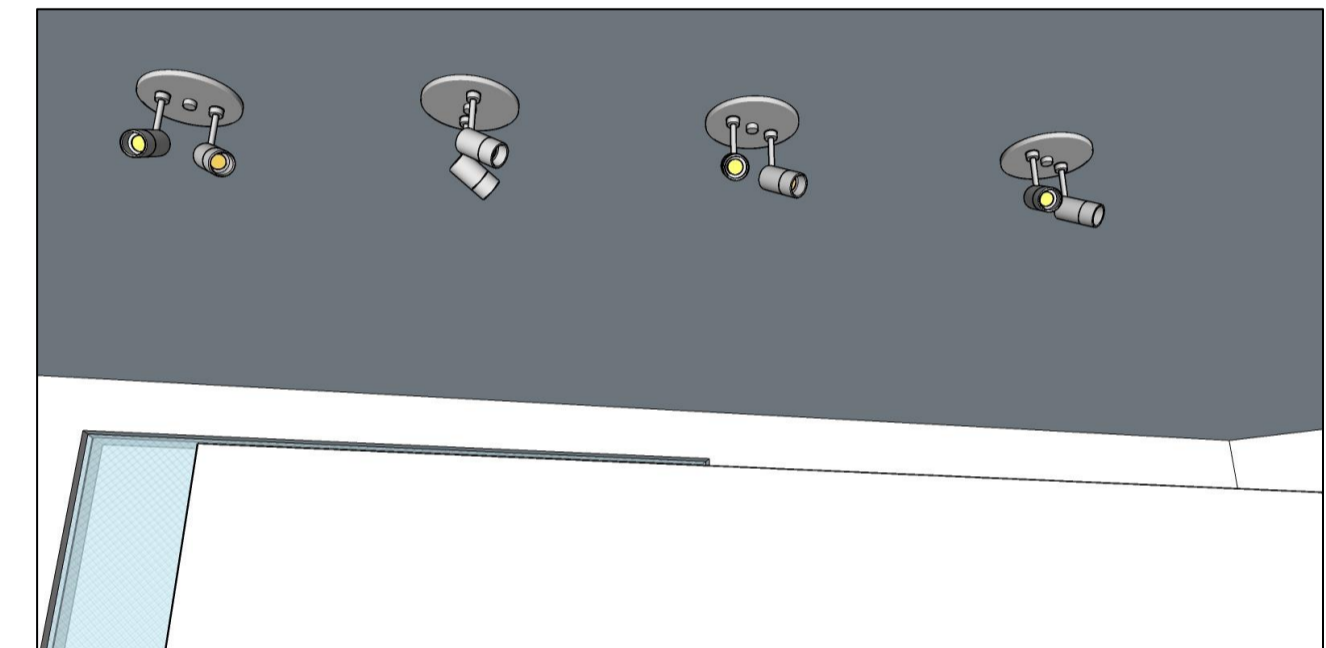


Figure A



Adjustable lighting



4. FUNCTION AND EXHIBITION SPACE

The function and exhibition space has a large amount of space and considerate lighting. Taking inspiration from the Barbra Hepworth Museum, I added two large windows with lovely views of the river with a partitioning wall that will spread the natural light around the room. I also want the adjustable spotlights so that the lighting is flexible and can be adjusted per event. Below you can see some photos I took on the day of the adjustable lighting and the room partition.

Adjustable lighting

Room partition



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- GROUND FLOOR POST

DESIGN STRATAGY

6. BALCONY

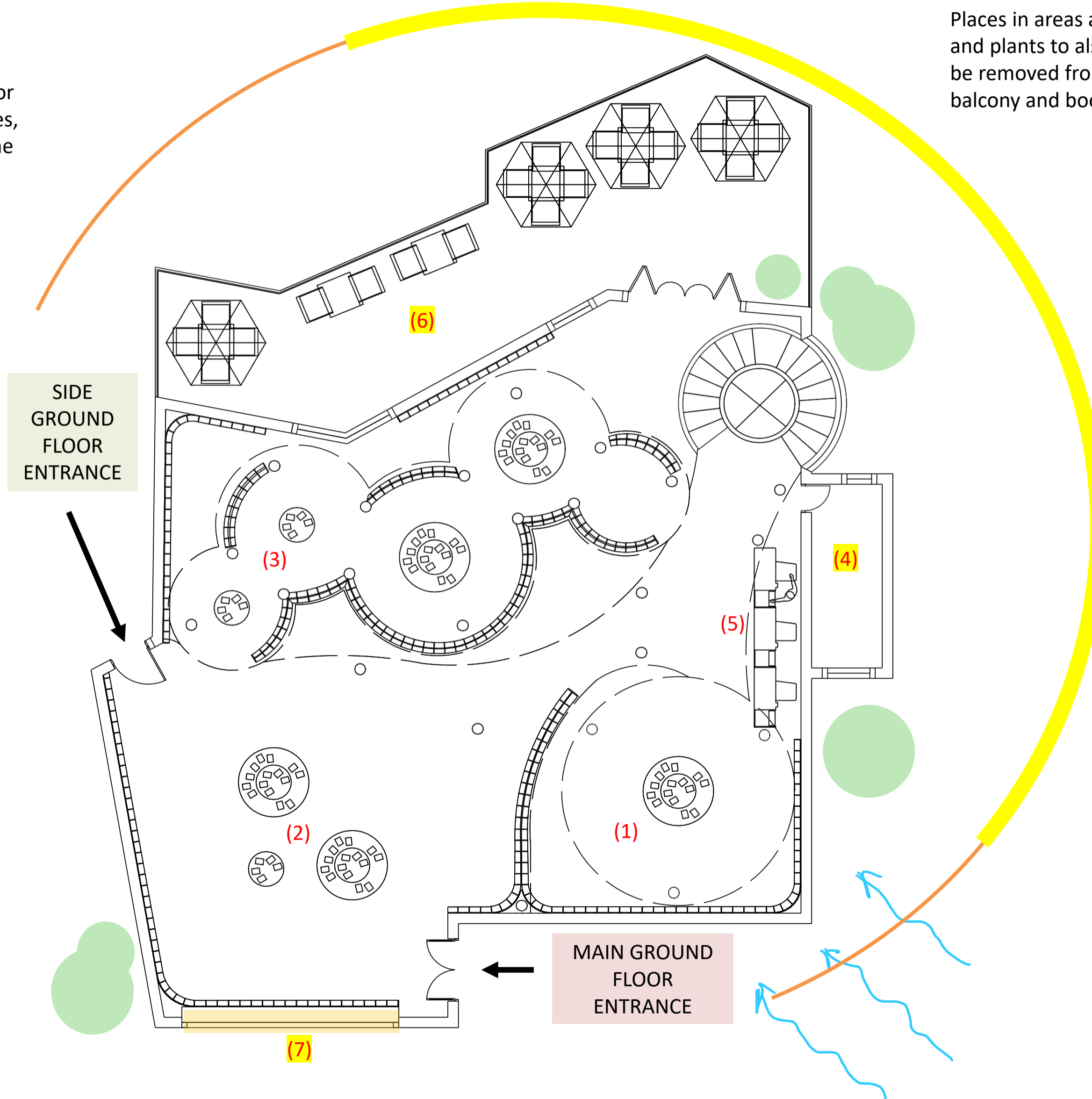
The balcony hangs out over the river view with a unique view of down the river. This is a relaxing outdoor space for customers to read and eat and drink any takeaway coffees, and paninis whilst enjoying the relaxing white noise of the flowing River Colne. The balcony is protected from the major wind direction therefor should be sheltered from any major unsettling wind.

The balcony also has the best of the sun through the morning up to about midday. Pot planting placed on the balcony.



7. DISPLAY WINDOW

A large display window towards the main road facing the main circulation of both traffic and public. The display window will be full of eye-catching advertisements with space to display books with bright lighting.



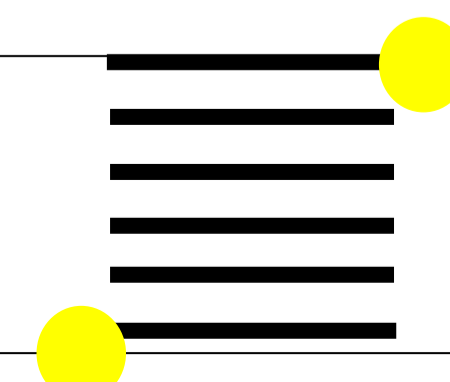
BUSHES AND VEGATATION

Places in areas around the bookshop have planting, bushes and plants to also make up for the trees which would have to be removed from the edge of the site to allow for the balcony and bookshop walls down to the river.



4. OFFICE

The office has plenty of sunlight through two windows creating a comfortable ventilation and space to hold a desk Infront of the window and any required storage space for wrapping and packing.



PROTECTIVE WALL

With inspiration from the Maggie's centre, London, protection from the main roads noise and congestion. It is also protection from the wind direction.

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- GROUND FLOOR

3. ADULT BOOKS

Adult books are placed around area 3 on both curved bookcases and circular tables placed in the centre of each space created from the above pods.

2. ADULT BOOKS (BOOKS IN THE ENTRANCE TRAFFIC)

This space is most important because it will hold the first impressions of the store, due to its entrance circulation. This space will be filled with the best selling books and need to draw customers to follow the circulation pushing them around the store spaces.

1. CHILDRENS BOOKS

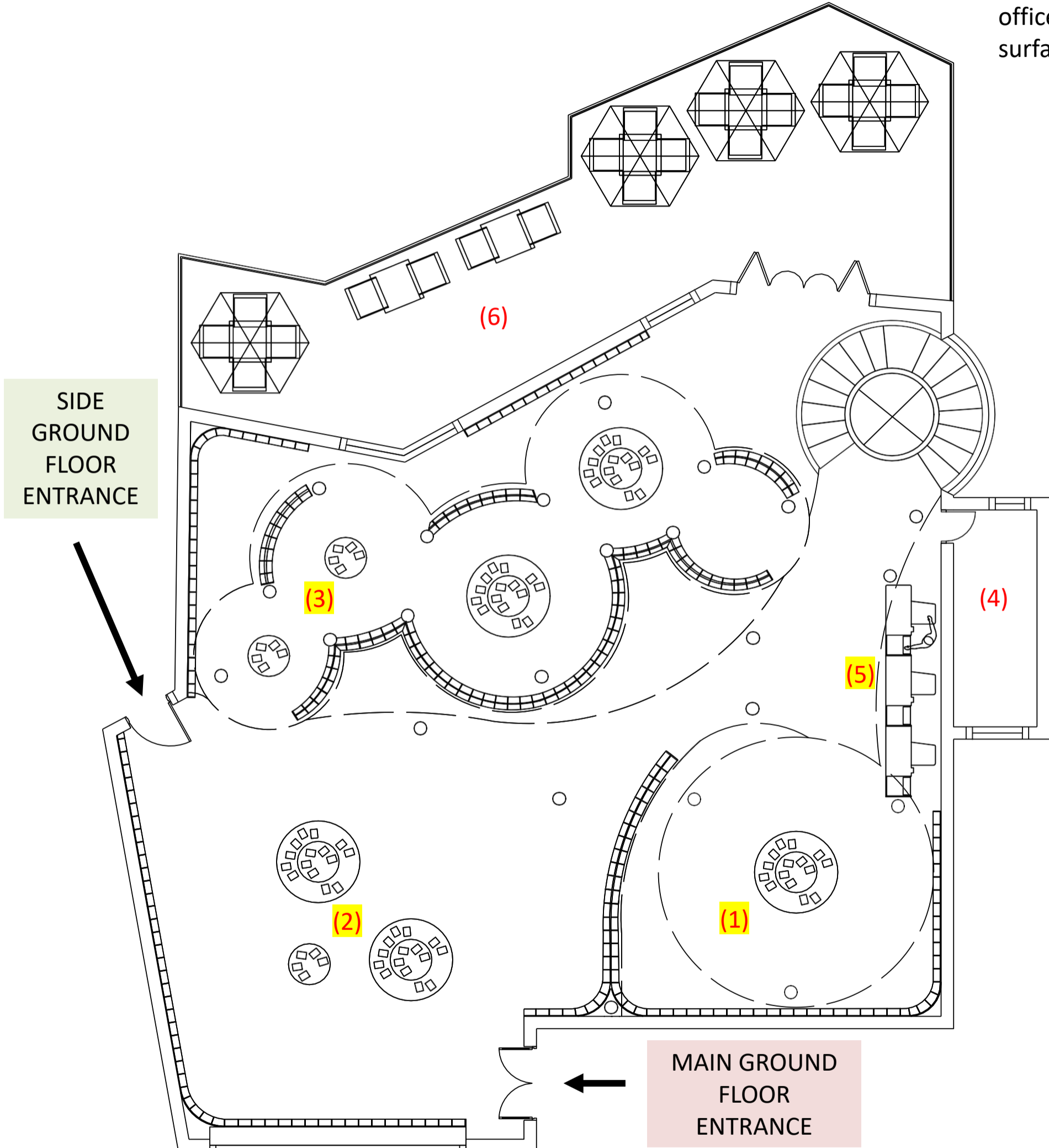
The children's books will be in this area, there is also more bookcases in the children's reading area on the 1st floor.

COLUMNS MATERIAL/ AESTHETICS

The columns on the interior will have a timber finish linking with the natural warm welcoming interior and also mirroring the natural trees opposite the bookshop along the River Colne. This ideas linked with the Alvar Alto Villa Maria, Figure 2 shows the interior columns and how they mirror the forest surrounding using natural finishings.



Figure2 (Mid-Century Home, 2011). Alvar Alto



5. TILLS

I have placed my tills directly in front of the office and wrapping and packing zone so they have easy access straight from the tills to the office. Each till has a moveable wrapping and packing zone. The surface can fold down out the way to allow circulation into the tills .

THE CURVED BOOKCASES:

The curved bookcases follow the pattern of the above floor of the pods. Creating a precise flow of circulation shown in the diagram below. The bookcases will be specially made and will have a timber surface with integrated lighting highlighting the shelves, creating a hierarchy attention to the books.

The reason why I want a timber finish is because it is a smooth warm welcoming material and works really well with the odd artificial plant placed in and around the bookshelves. This type of interior also reminds me off the Maggie's centre in Leeds, figure 3, which I studied for my History assignment.

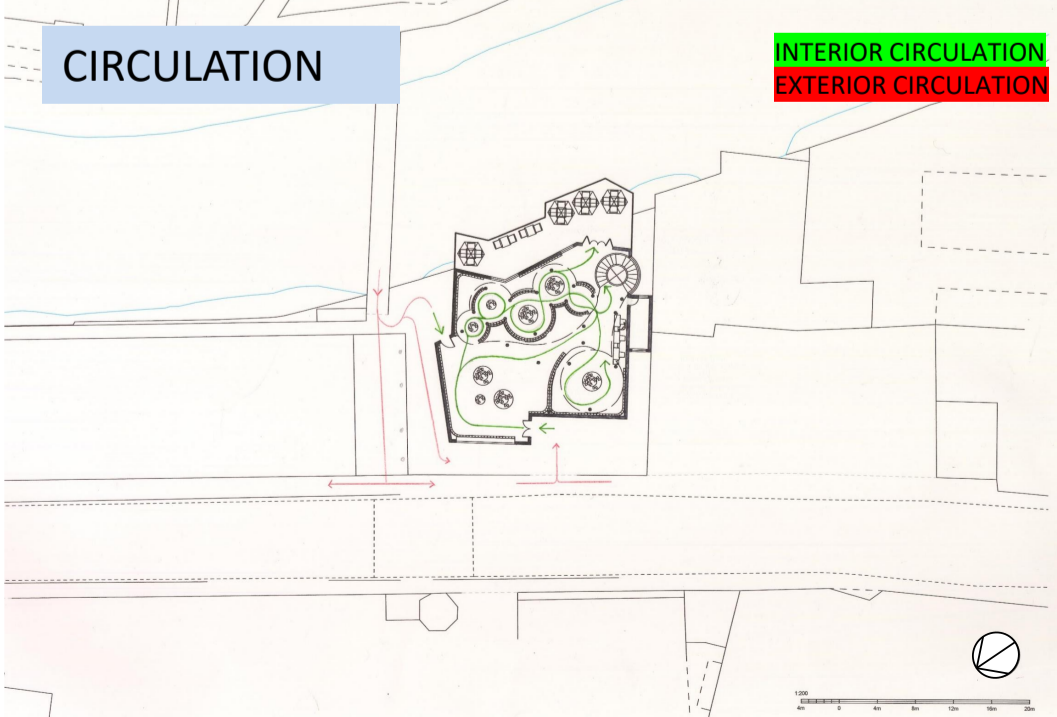


CIRCLE BOOK TABLES:

There are circle tables places around the areas which can display there best selling books and keep with the curved characteristics.



Figure 3(Pintos, P.P n.d). Maggie's Leeds



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- 1ST FLOOR

4. CAFÉ SEATING

Café seating is inside the pods with extra bookcases where they can display more books and brighten the space up with the odd plant. The space holds 18 people with comfortable seating arranged in 2,3 and 4 seater tables. Each table will have a bright colourful light collection over the seating area as inspired from the 93/4 bookshop, brightening up the space for reading. The pods have 3 areas with open roofs the lights will hang from the roof above.



Figure 1 (D.M,Mejía, 2015).

1. CAFÉ COUNTER

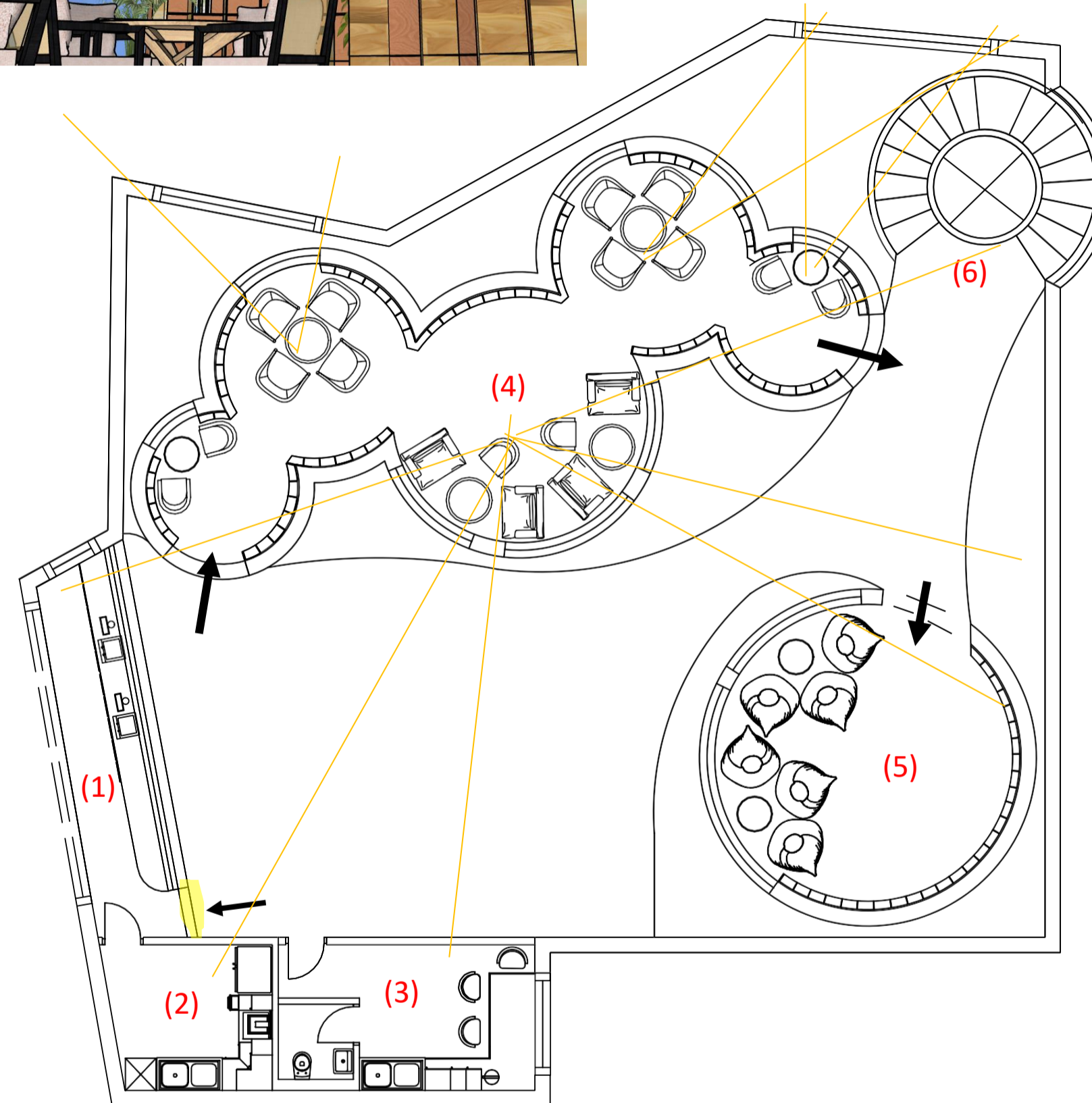
The counter holds two tills with a number of cabinets below where they will serve coffees and display sandwiches and snacks. The circulation into the kitchen and café counter is a liftable counter to separate the public from the staff space, highlighted in yellow.

2. KITCHEN

The kitchen holds everything they need so they can have as big or small of a menu whether that's full English breakfasts or just bacon sandwiches and coffees.

3. STAFF ROOM

The staffroom has comfortable ventilation with the window and a kitchenette that includes a microwave, kettle sink and small mini fridge in the Cabinet under the microwave with storage cupboards above. They also have their own staff toilet.



PODS MATERIAL/ AESTHETICS

The pods are to follow the timber interior with smooth curved finishes. The pod windows have been carefully chosen so that they have views continuing to the exterior windows and also interesting interior views like the café (good for business might tempt more sales) and the children's space. This is to open up the space and piece light through the pods. I have demonstrated the views with the yellow lines on my floor plan.

6. STAIRS AND LIFT

The lift is fitted to create easy accessibility through bookstore floors. The lift is also needed to transport equipment around the store for bookshelves and furniture for the exhibition space. The stairs wrap around the circular lift connecting with the contrast of curved interior against the angular exterior. Adding to the surprise element on the 1st floor. The stairs have a glass wall around and also go past the curved exterior cloudy translucent glass wall, letting light in.

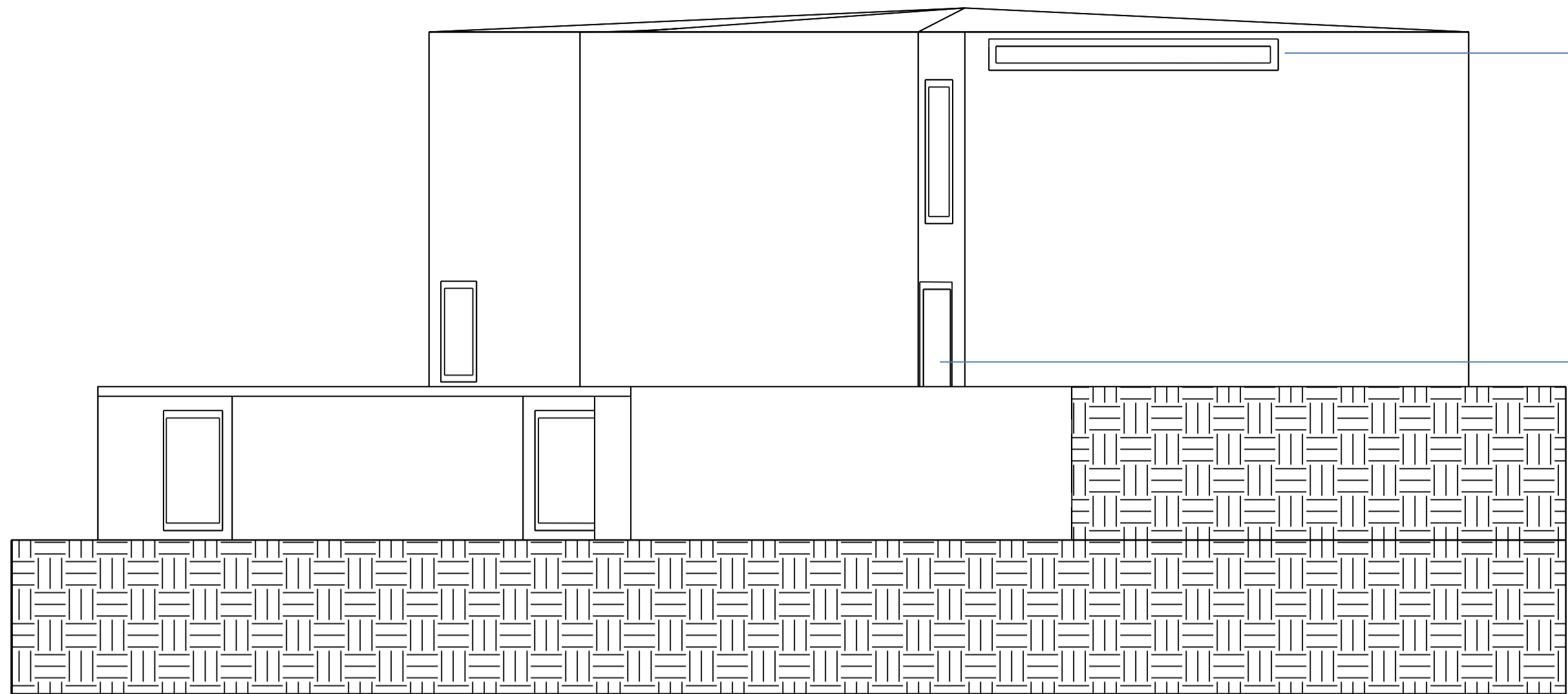
5. CHILDRENS ROOM

The children's room is a separate space filled with comfortable seating, beanbags and more children's books. This pod has large windows facing in towards the café counter and into the café seating area so there is full visibility to the activities in that space, such as misbehaving children, and unsupervised children.



Figure 4 (Sensory Education, n.d.).

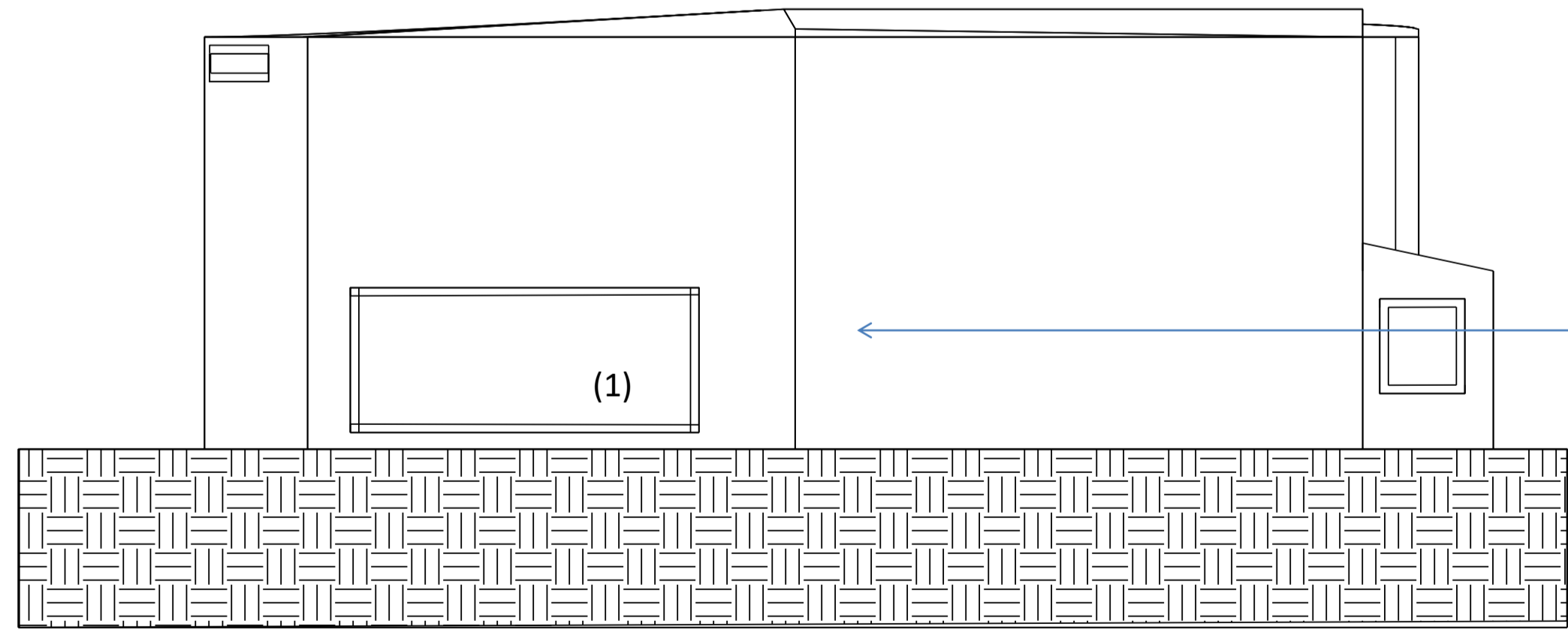
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- POST DESIGN ANALYSIS ELEVATIONS 1:100



WINDOW ABOVE CAFÉ SERVING SPACE
I added a window here to let natural light into that corner of the café. To brighten up the space I put it quite high up because the view isn't as nice from that side as all you would see in the 3m building wall.

SIDE ENTRANCE

NORTH-EAST



FRONT ENTRANCE

NORTH-WEST

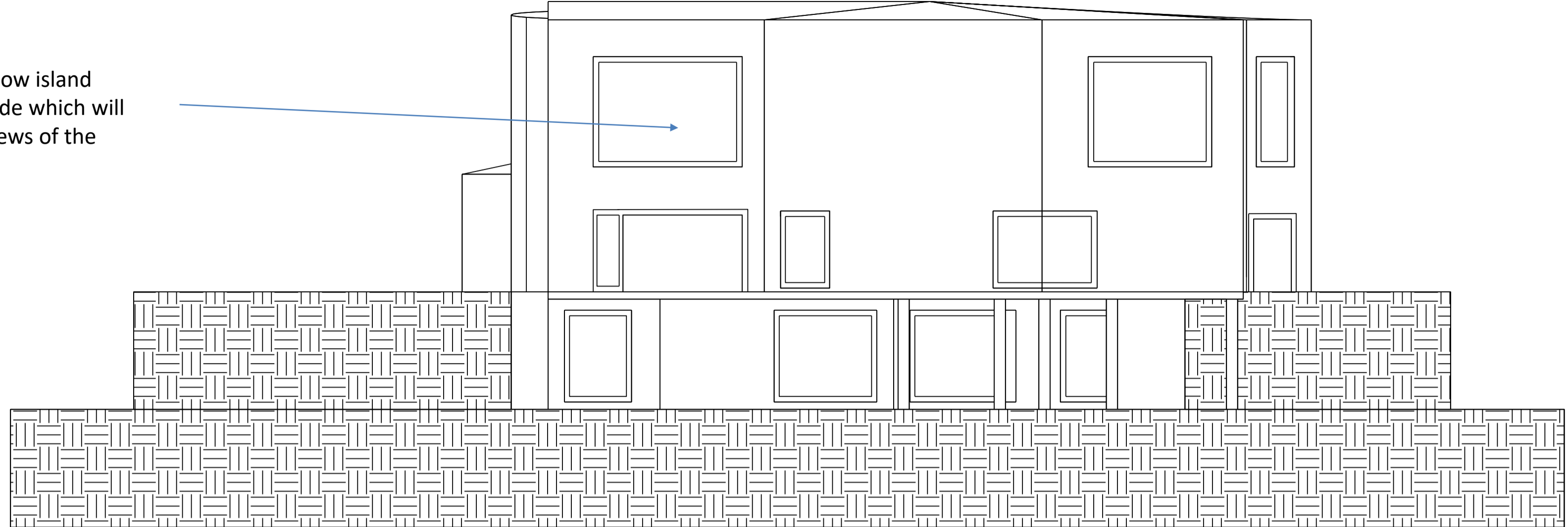
(1) LARGE DISPLAY WINDOW
The large display window faces the road and main public and traffic circulation, this elevation also shows that the main focus on the front of the building will be all focused on the display window.

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- POST DESIGN ANALYSIS ELEVATIONS 1:100

LARGE WINDOWS

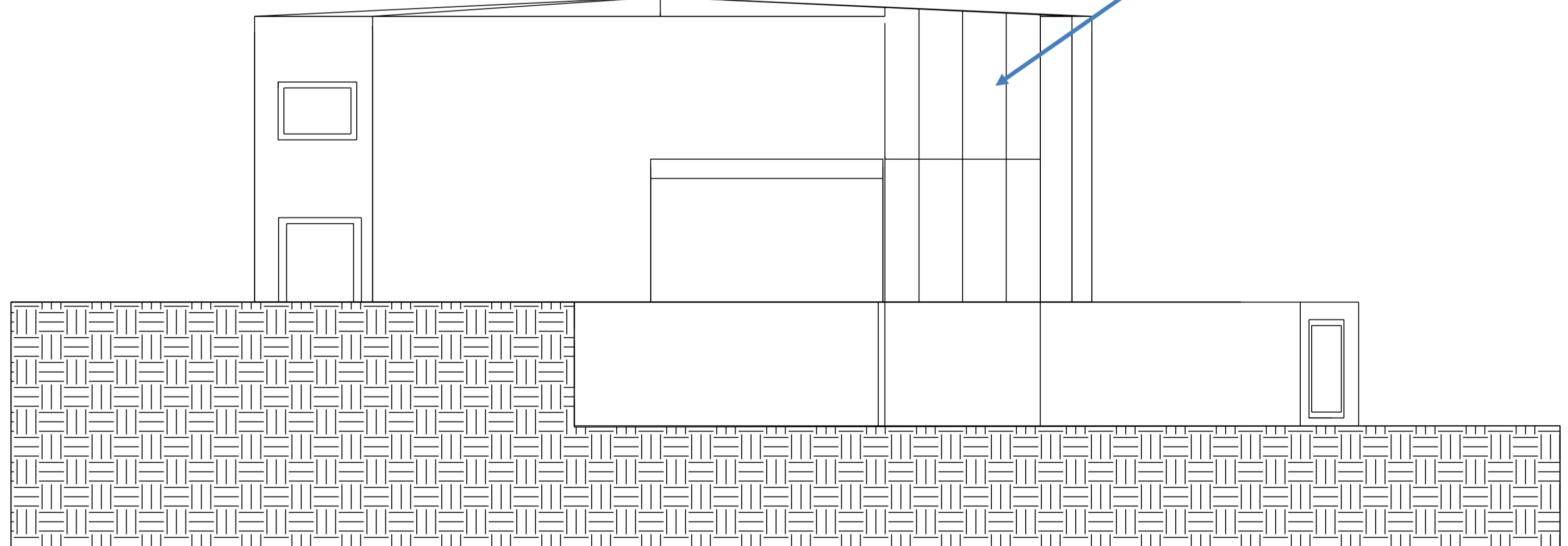
Large windows facing out towards the river and snow island accommodation. This is a nice view and also the side which will get most of the sun. I was influenced by framed views of the Barbra Hepworth museum.

Photos from the Barbra Hepworth museum



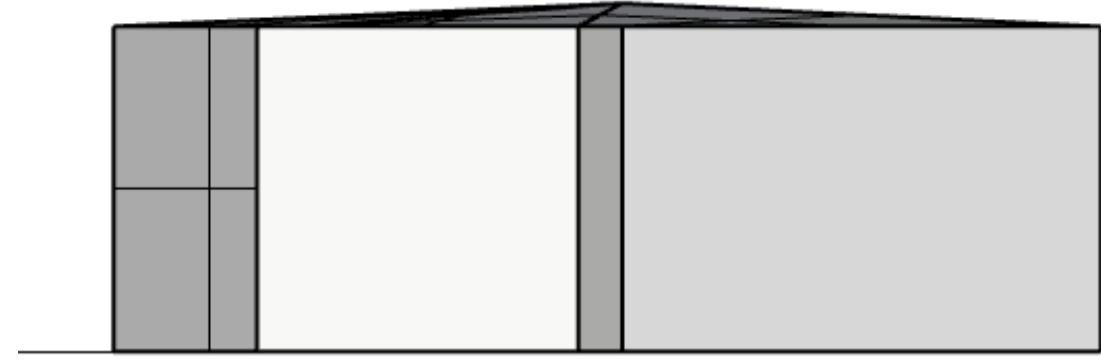
SOUTH-EAST

CLOUDY GLASS FAÇADE
Cloudy glass curved wall where the stairs are. Large glass panels with a steel frame.

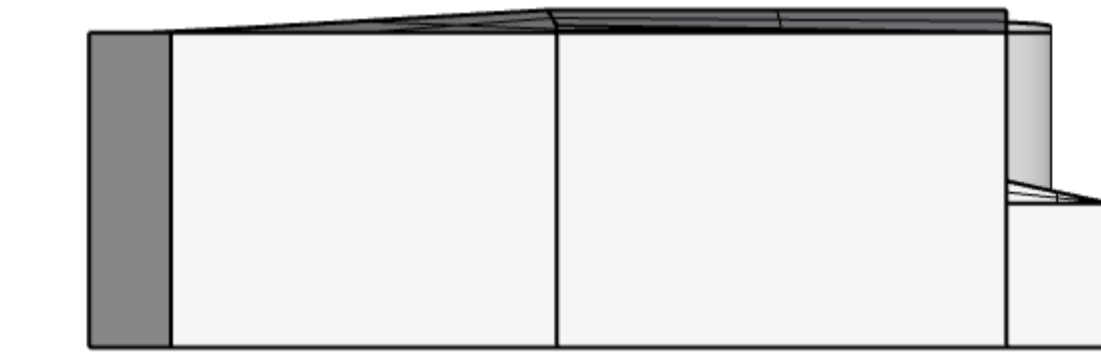


SOUTH-WEST

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- ROOF DESIGN STRATEGY



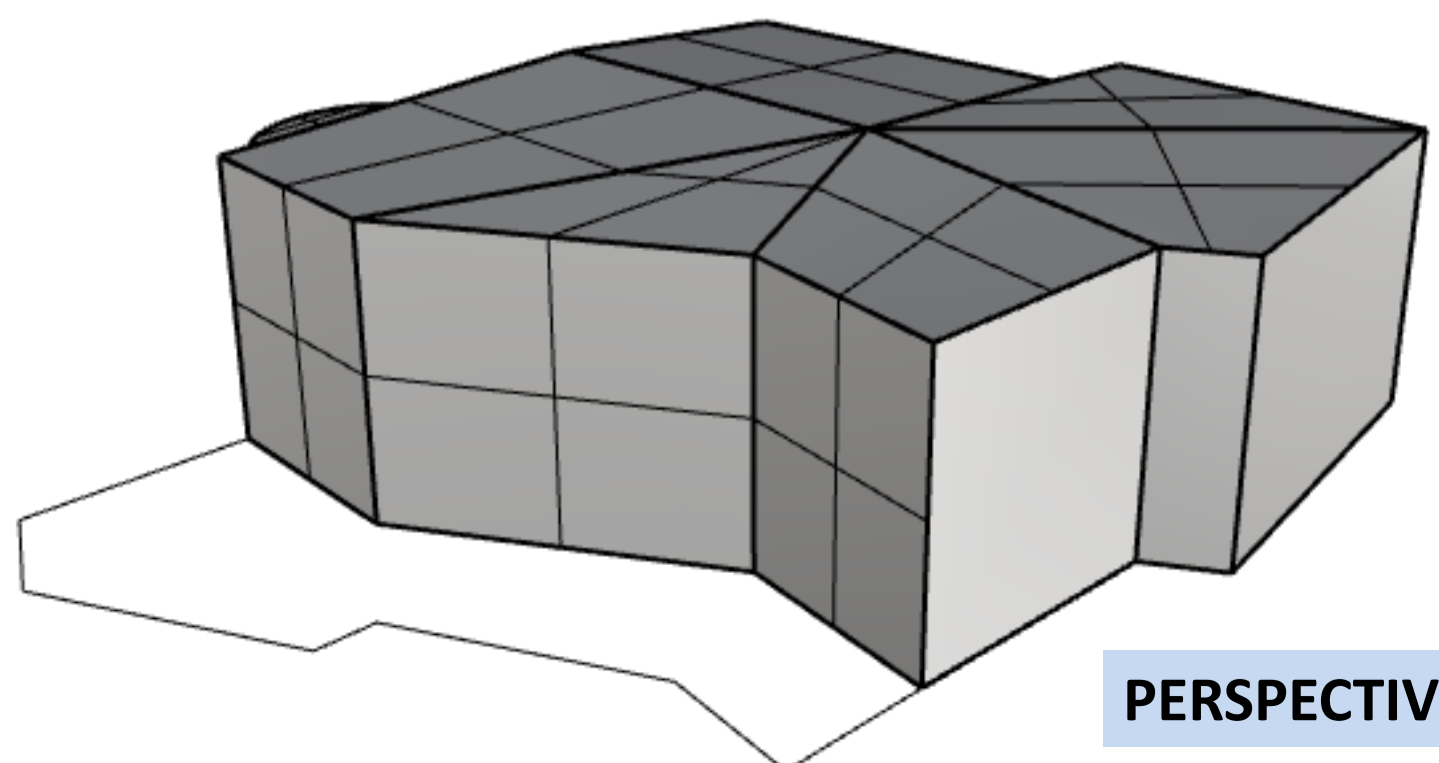
NORTH-EAST



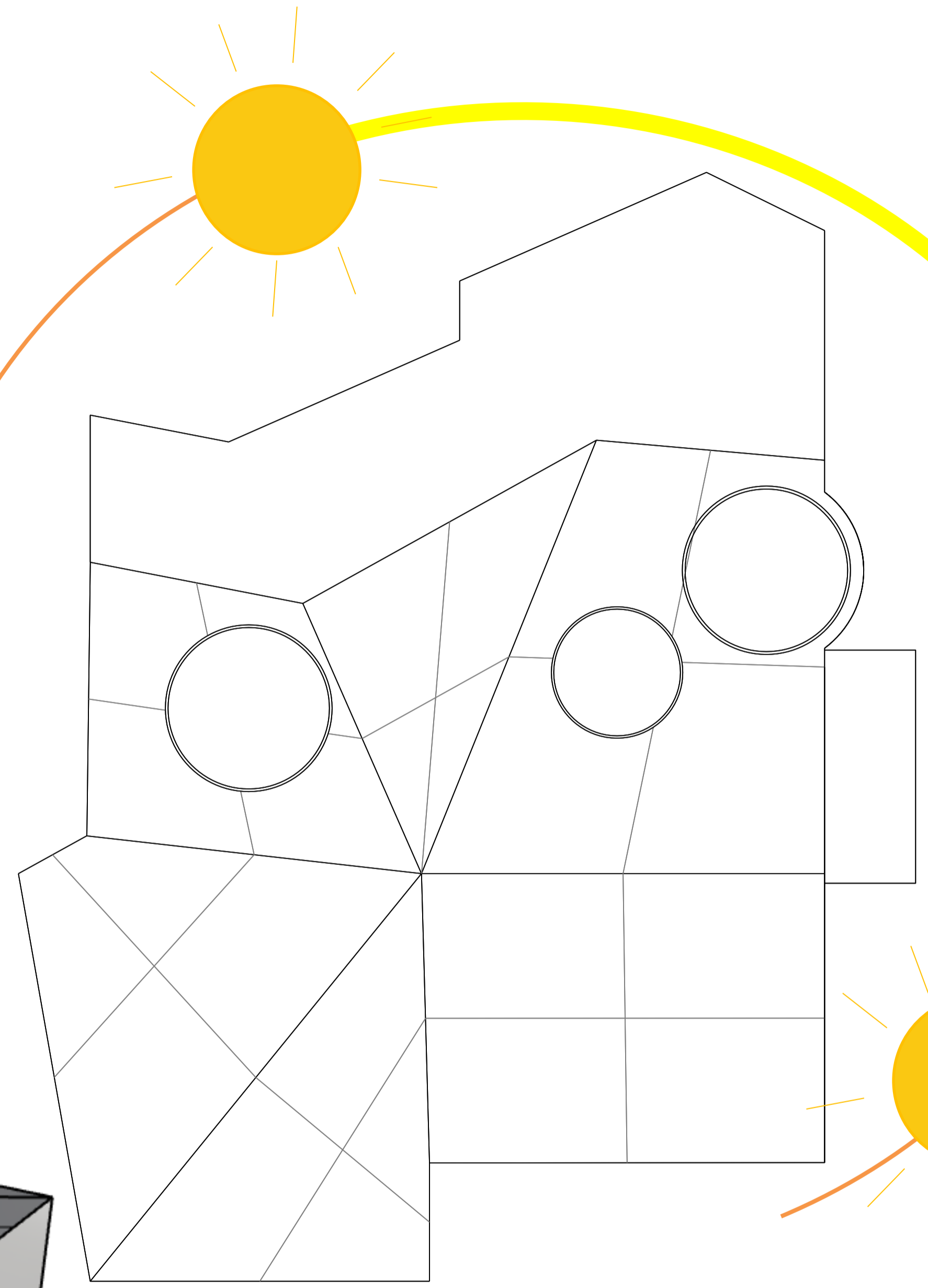
NORTH-WEST

ROOF PLAN
When it can to designing the roof I wanted to add some skylights into the roof following the sun path, the light would pierce through the stairs and lift and direct some light down onto the pods inside.

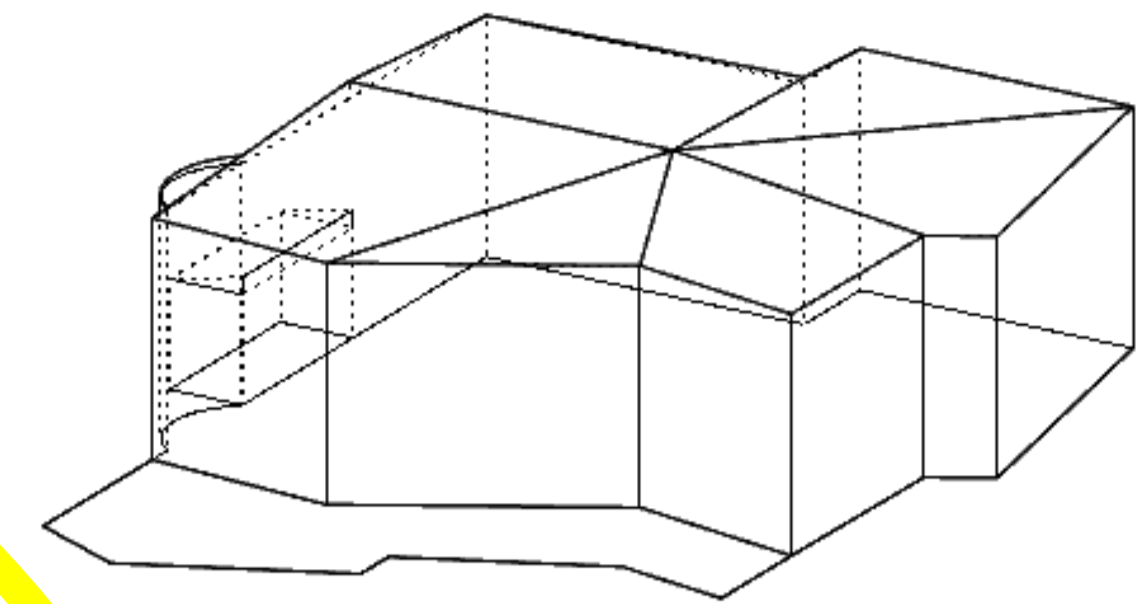
To get an accurate plan of the roof I used Rhino where I created the model which you can see below to then translate into 2D elevations and add to my CAD drawings. I then added the sky lights.



PERSPECTIVE

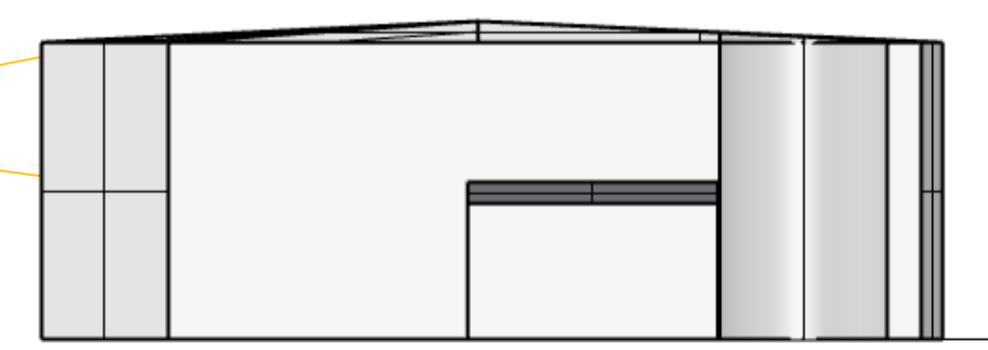


SLOPED ROOF
I made the roof have slopes to both go with the sun path but also because of rain fall.

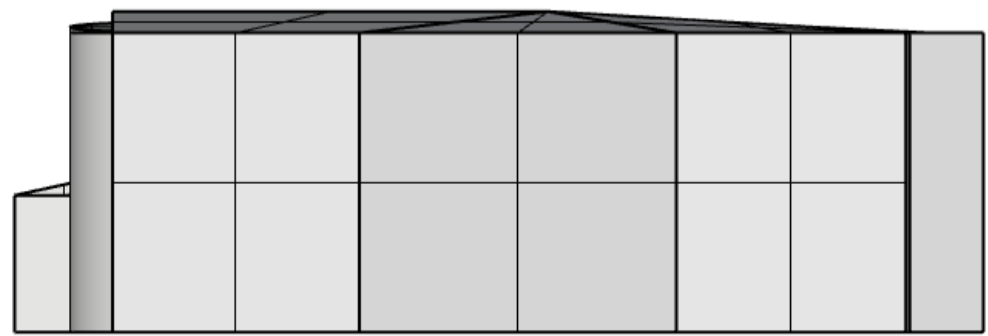


All the points meet into one in the middle of the roof

RHINO
Doing it in Rhino also meant I could show a shaved view of my elevations



SOUTH-WEST



SOUTH-EAST

DESIGN STUDIO 2 BOOKSHOP CAFETERIA- 1:100

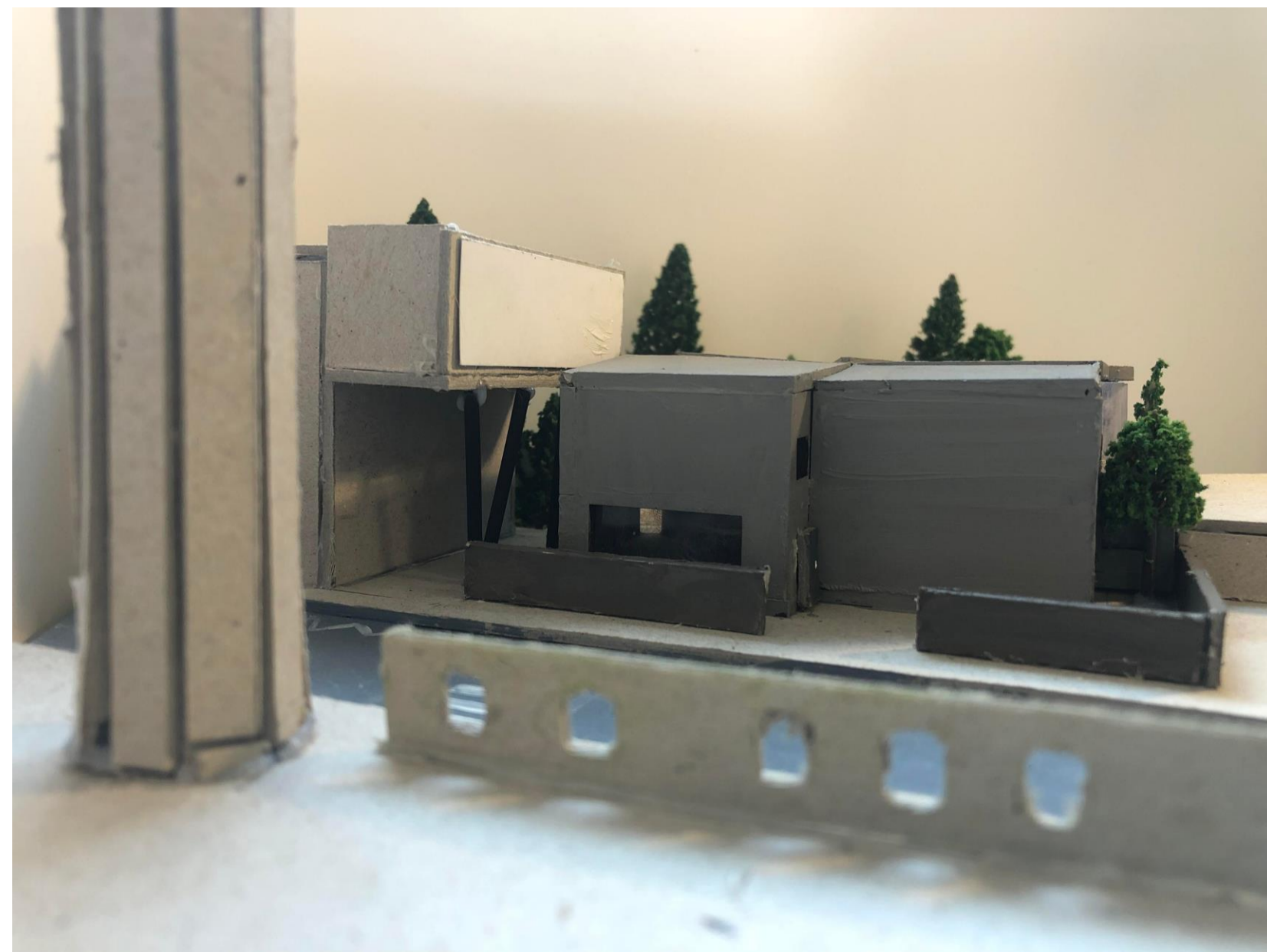
PHYSICAL MODEL



This physical model was laser cut and superglued together. I also used acetate to create the windows. I used this model to then create a detailed visual using procreate after taking a photo and adding features/ context on top.



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- 1:200 PHYSICAL MODEL ON SITE MODEL



DESIGN STUDIO 2 BOOKSHOP
CAFETERIA- 1:200 PHYSICAL MODEL ON SITE
MODEL EYE PERSPECTIVE VIEWS



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- 1:200

PHYSICAL MODEL ON SITE MODEL



DESIGN STUDIO 2 BOOKSHOP CAFETERIA- VISUALS



ABSTRACT INTERIOR VISUAL

This is an abstract view of the 1st-floor view from the top of the stairs and lift. This visual shows the café counter and pods with double-height spaces.

EXTERIOR VISUALISATION

This is a view of the balcony with the outdoor seating, green potted plants and glass railing.



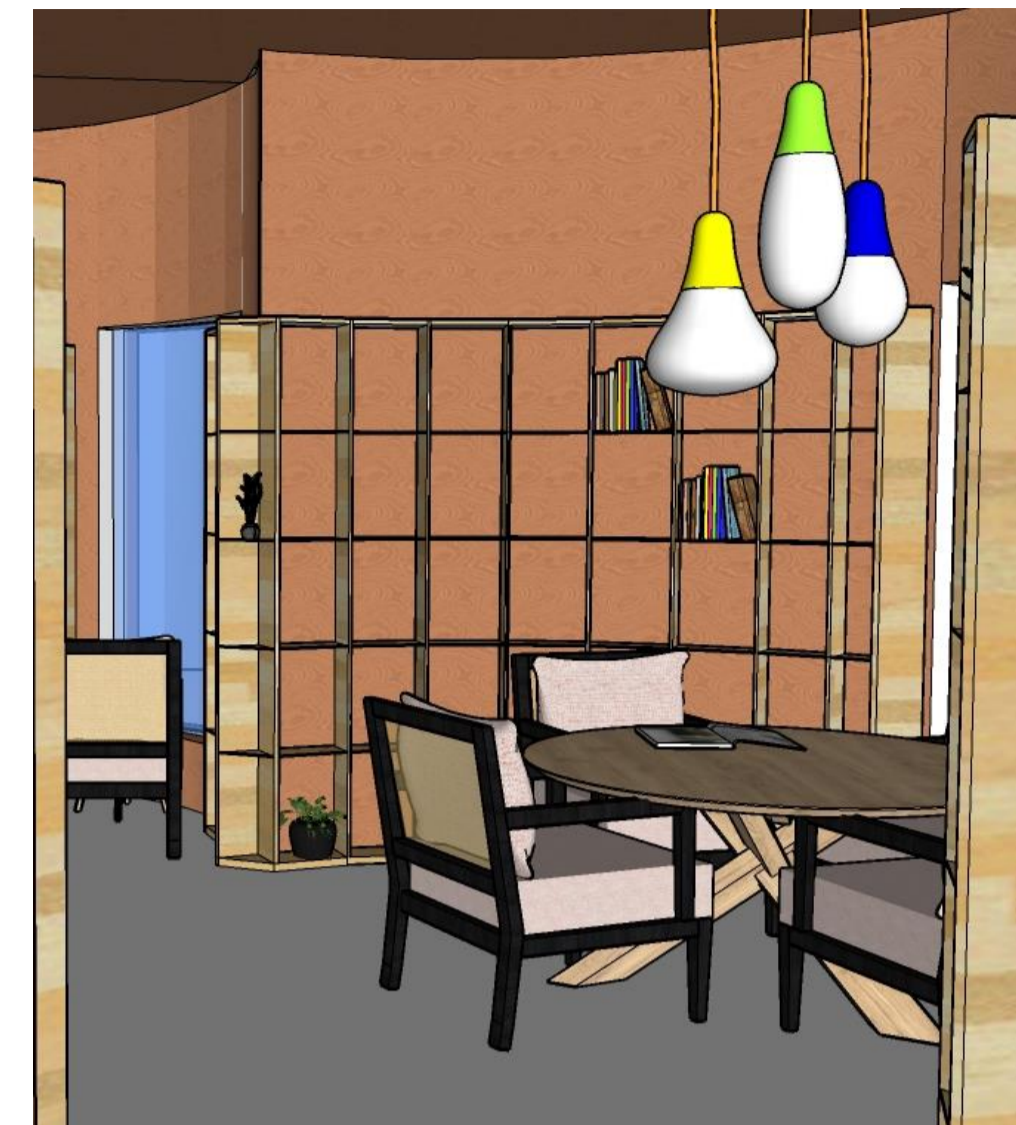
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- DIGITAL MODEL INTERIOR VISUALS

EYE PERSPECTIVE VIEWS

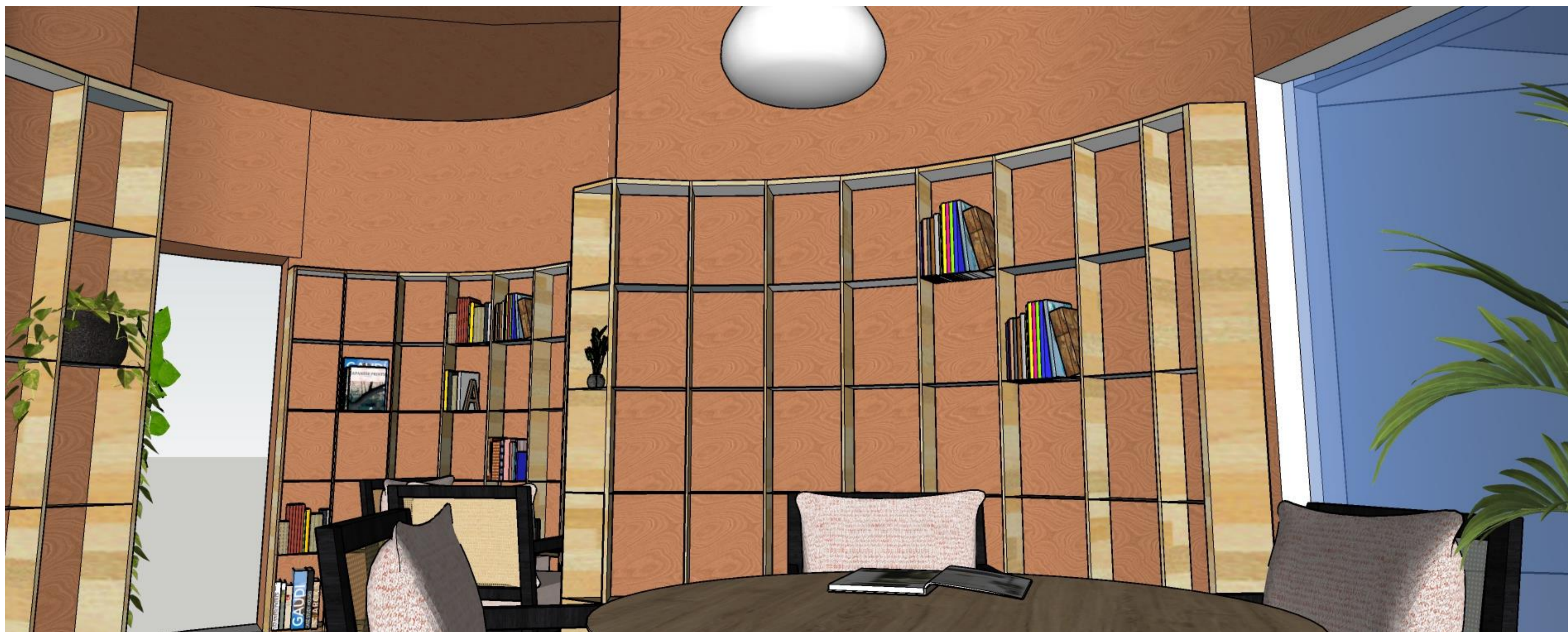
I created a digital model to show the interior of the café seating inside the pods, showing the comfortable seating, green planting, curved fitted bookcases, and the interesting double height lighting that hangs from the main roof and is suspended down over the seating areas as shown in this image below.



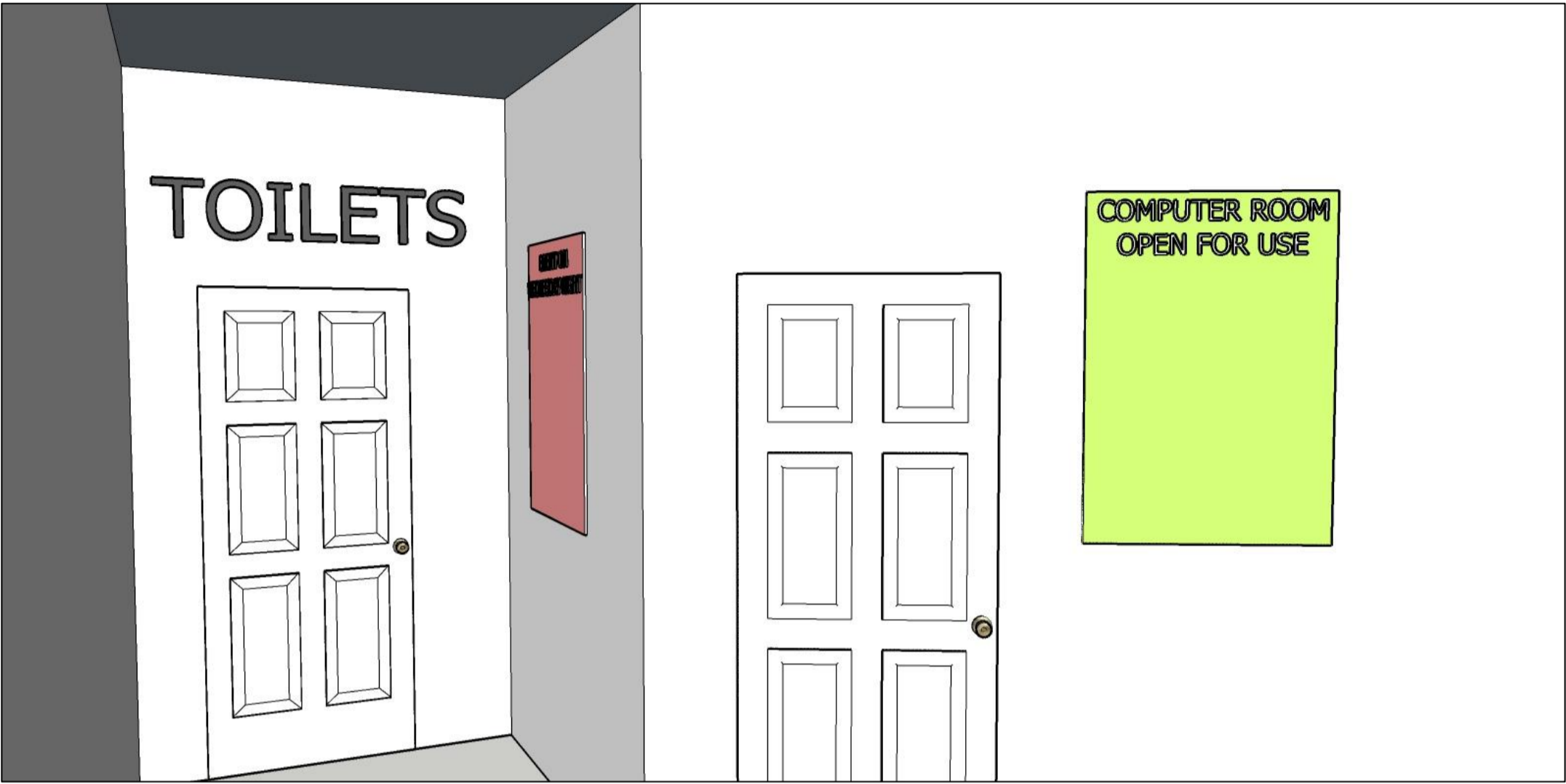
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- DIGITAL MODEL INTERIOR VISUALS



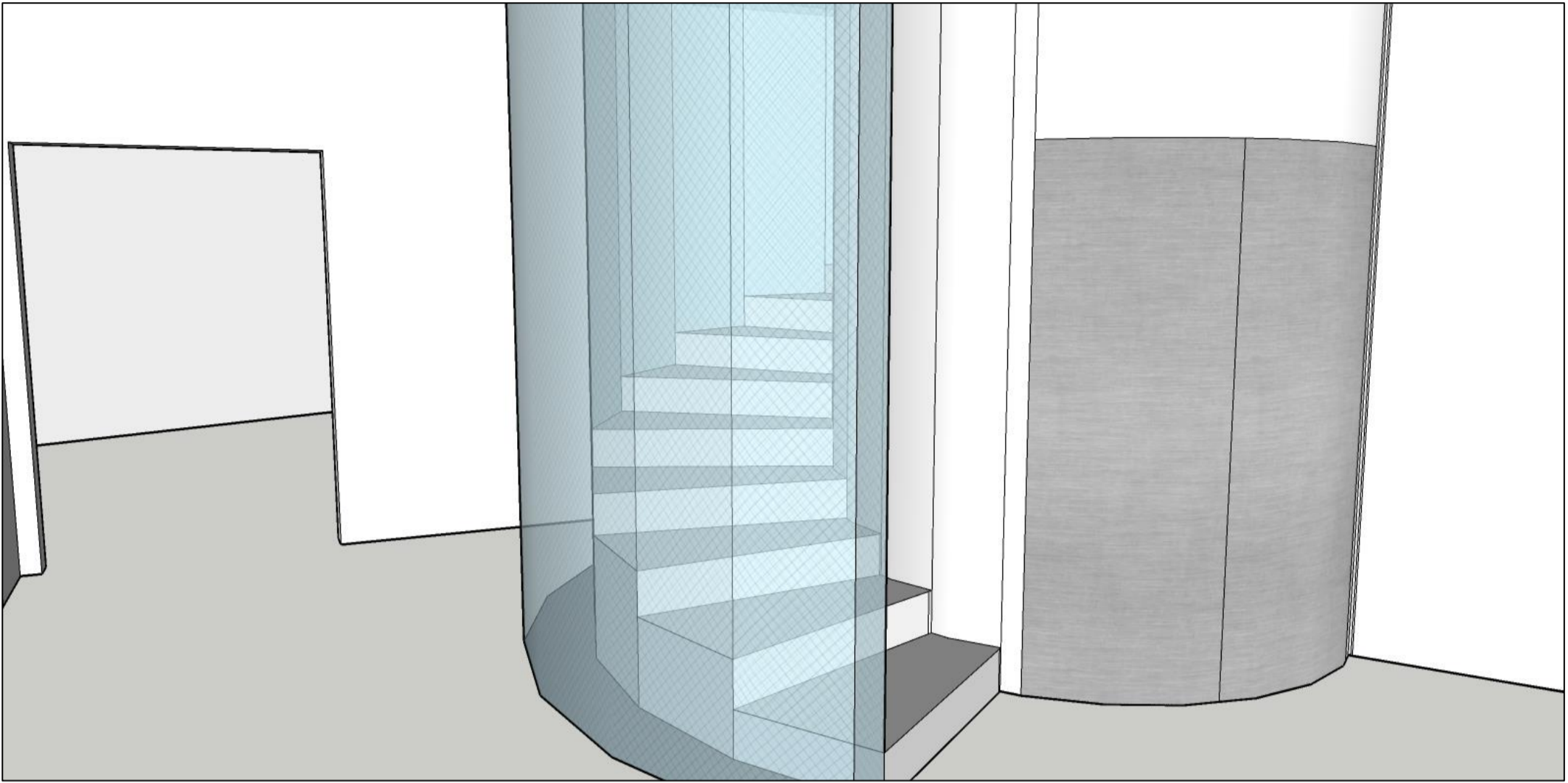
A VISUAL FROM SITTING AT THE TABLE



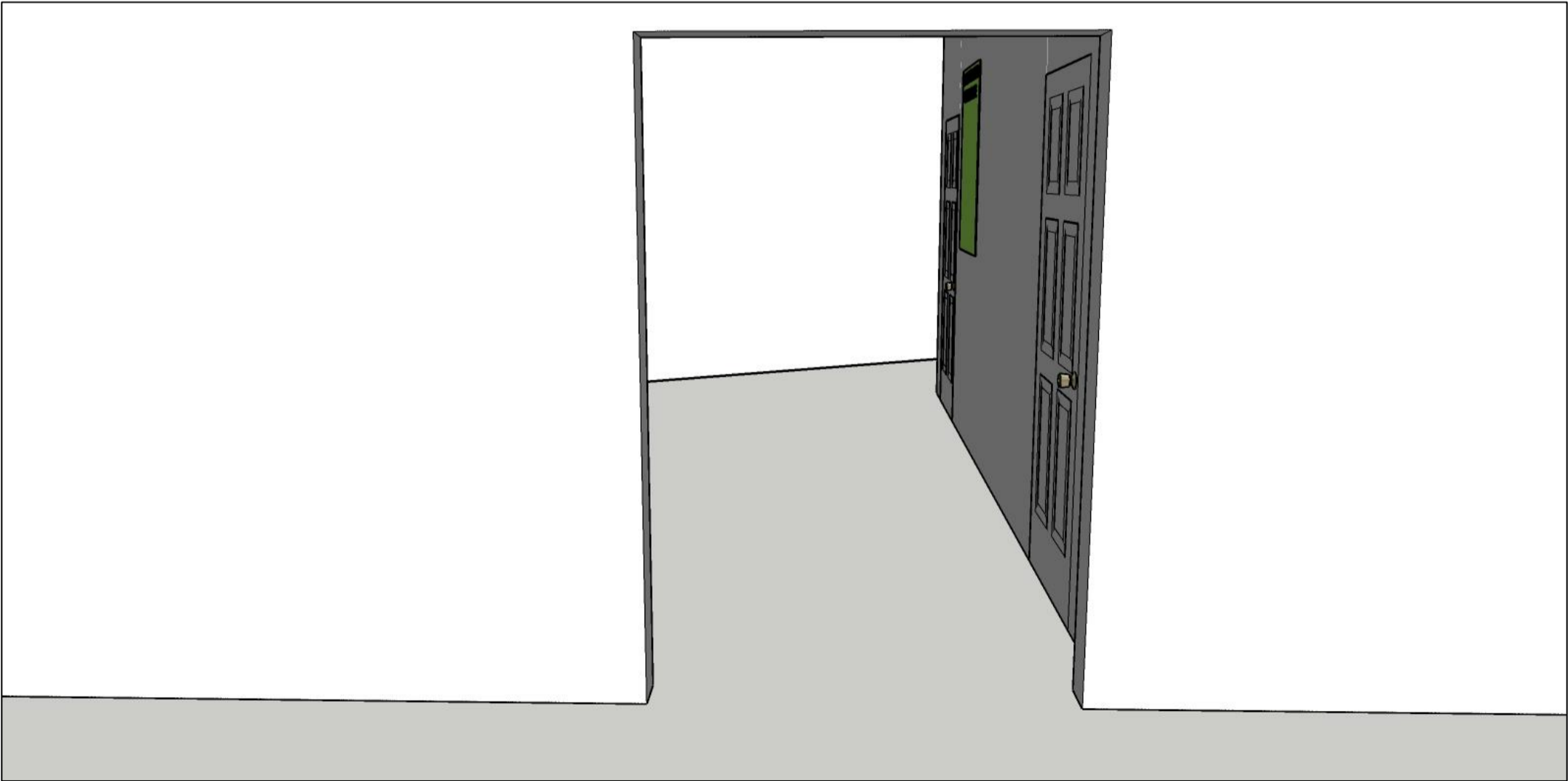
DESIGN STUDIO 2 BOOKSHOP CAFETERIA- DIGITAL MODEL INTERIOR VISUALS OF UNDERGROUND FLOOR



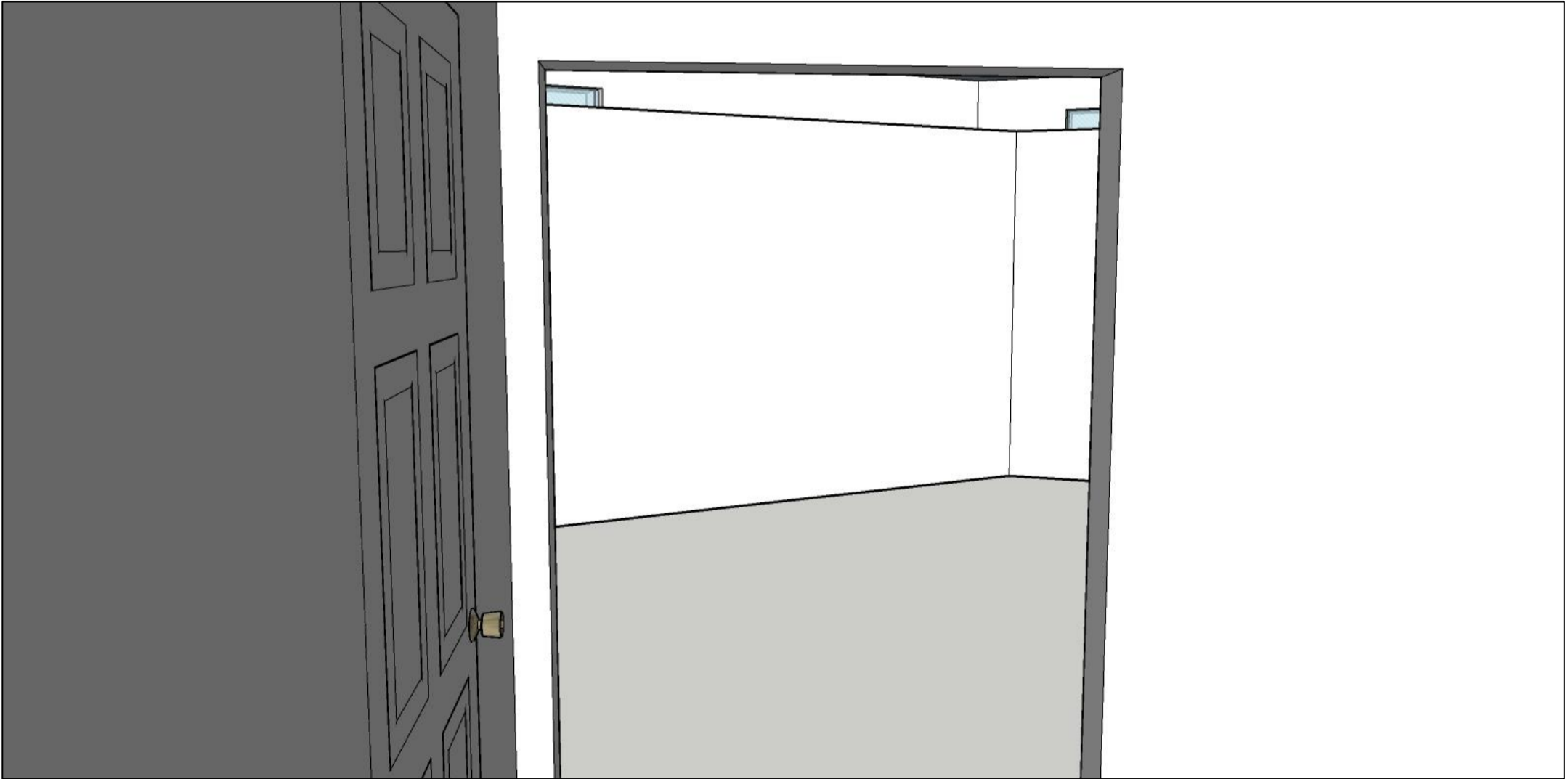
TOILETS: Showing advertisements for computer room and function events.



STAIRS AND LIFT: Visual showing stairs and lift.



View from function room into corridor



View into the function room

Figure 1 D.M,Mejía (2015). *9 ¾ Bookstore + Café / PLASMA NODO* [JPG]. archdaily .
<https://www.archdaily.com/770943/9-three-fourths-bookstore-plus-cafe-plasma-nodo>

Figure 2 Mid-Century Home. (2011). *Alvar Aalto: Villa Mairea* [jpg]. midcenturyhome.
<https://www.midcenturyhome.com/alvar-aalto-villa-mairea/>

Figure 3 Pintos, P.P (n.d). *Maggie's Leeds Centre / Heatherwick Studio* [jpg]. archdaily.
<https://www.archdaily.com/941540/maggies-leeds-centre-heatherwick-studio>

Sensory Education. (n.d.). *Outdoor Beanbags Pack of 4*. cheapdisabilityaids.
<https://www.cheapdisabilityaids.co.uk/outdoor-beanbags-pack-of-4-60296-p.asp>