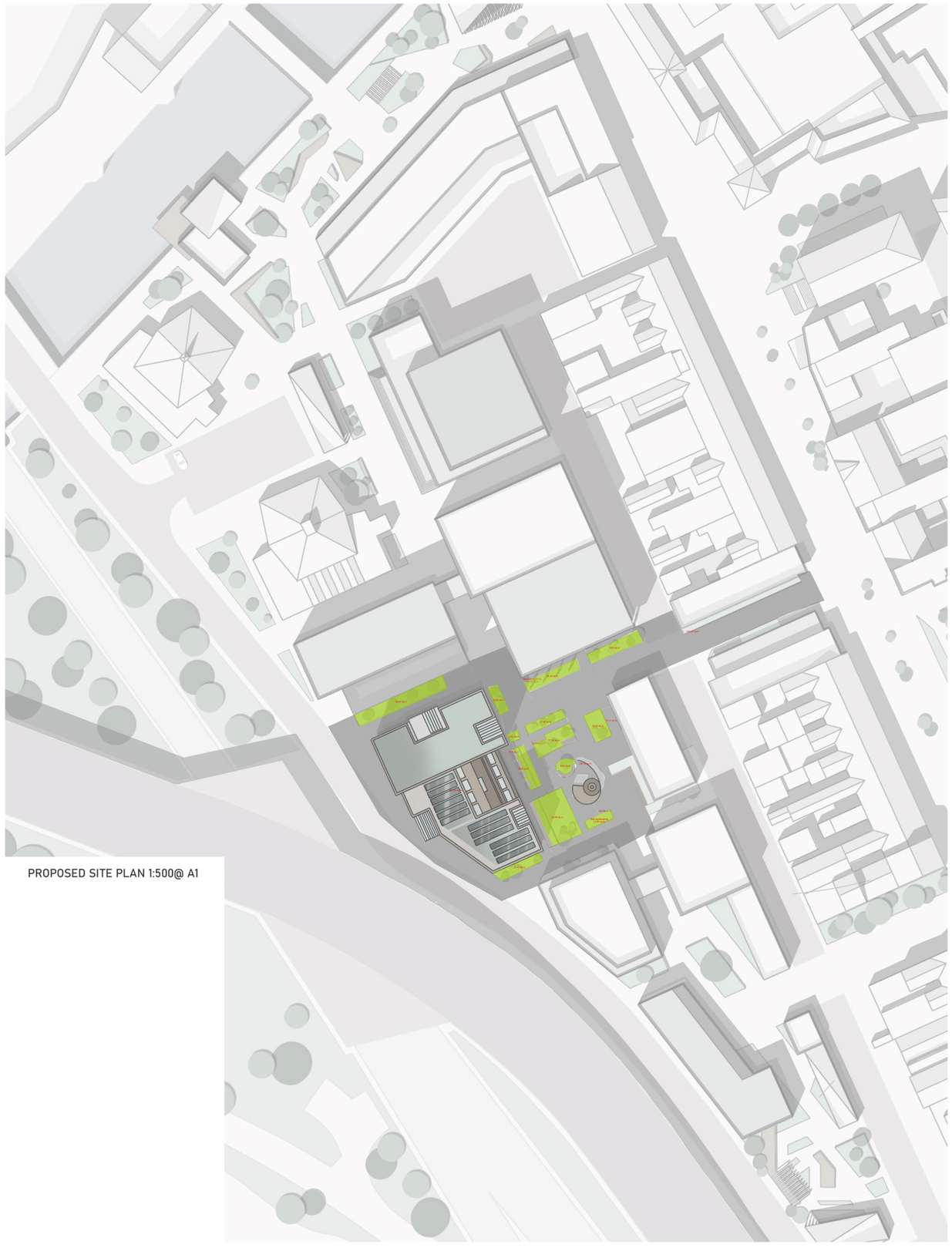
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CONTEXT OF PROPOSAL



PROPOSED SITE PLAN 1:500@ A1



SITE LOCATION PLAN 1:2500 @ A1



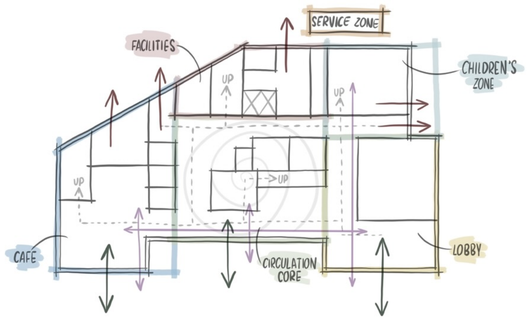
SECTION 1-1 1:500 @ A1

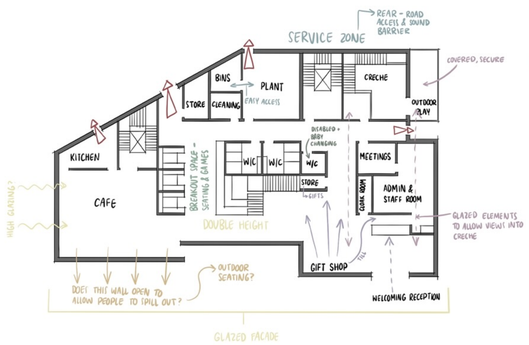


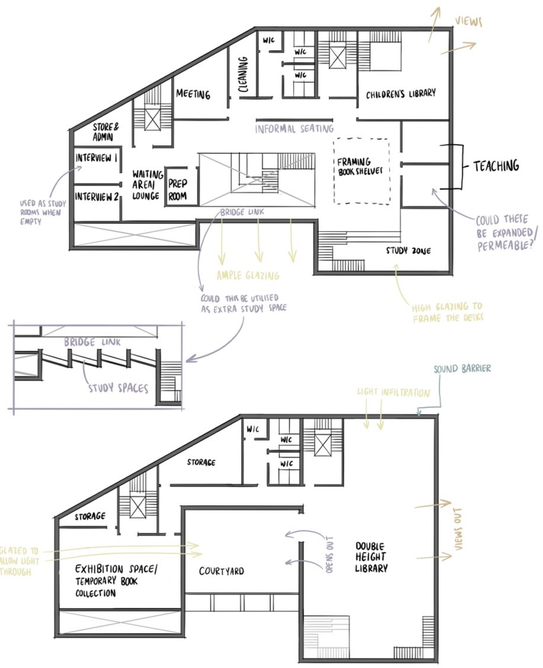
SECTION 2-2 1:500 @ A1

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CONCEPT

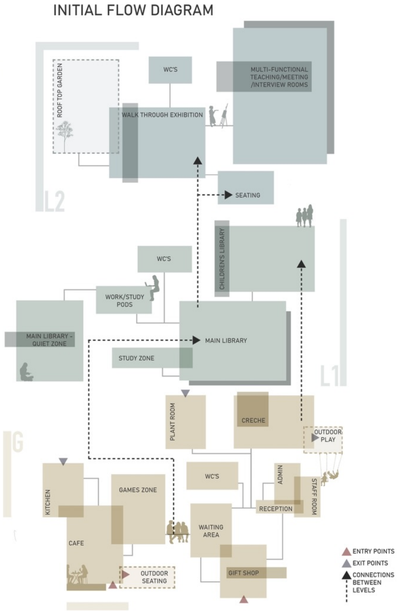


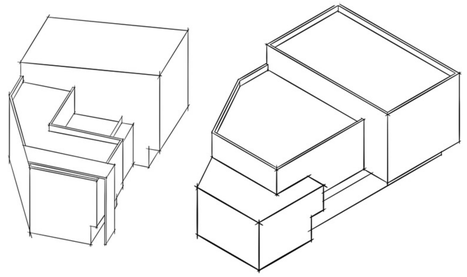




CONCEPT PLAN ANALYSIS

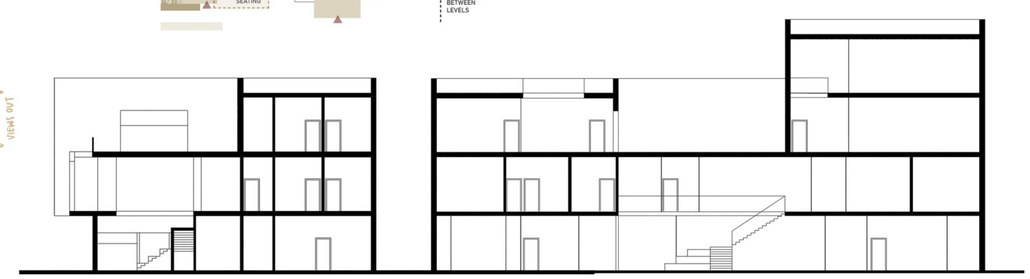




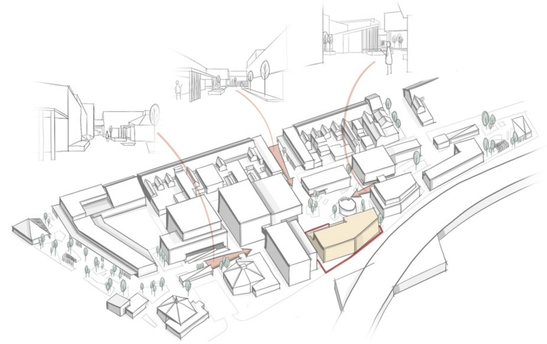


CONCEPT SKETCHES





CONCEPT SECTIONS SHOWING FORM





HOW CAN ART AND POETRY BE INCORPORATED?

The Heron of Port Talbot by Gillian Clarke

THE INSPIRATION BEHIND THE NAME FOR THE LIBRARY

Snow falls on the cooling towers
delicately settling on cranes.
Machinery's old bones whiten; death
settles with its rusts, its erosions.

Warning of winds off the sea
the motorway dips to the dock's edge.
My hands tighten on the wheel against
the white steel of the wind.

Then we almost touch, both braking flight,
bank on the air and feel that shocking
intimacy of near-collision,
animal tracks that cross in snow.

I see his living eye, his change of mind,
feel pressure as we bank, the force
of his beauty. We might have died
in some terrible conjunction.

The steel town's sulphers billow
like dirty washing. The sky stains
with steely inks and fires, chemical
rustings, salt-grains, sand under snow.

And the bird comes, a surveyor
calculating space between old workings
and the mountain hinterland, archangel
come to re-open the heron-roads

Meets me at an inter-section
where wind comes flashing off water
interrupting the warp of the snow
and the broken rhythms of blood.

How is this taken into the landscaping?

- Perforated corten steel?

- The poem engraved within the hard landscaping?

- Signage?



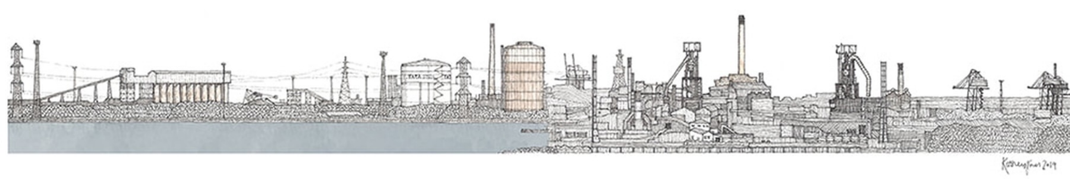






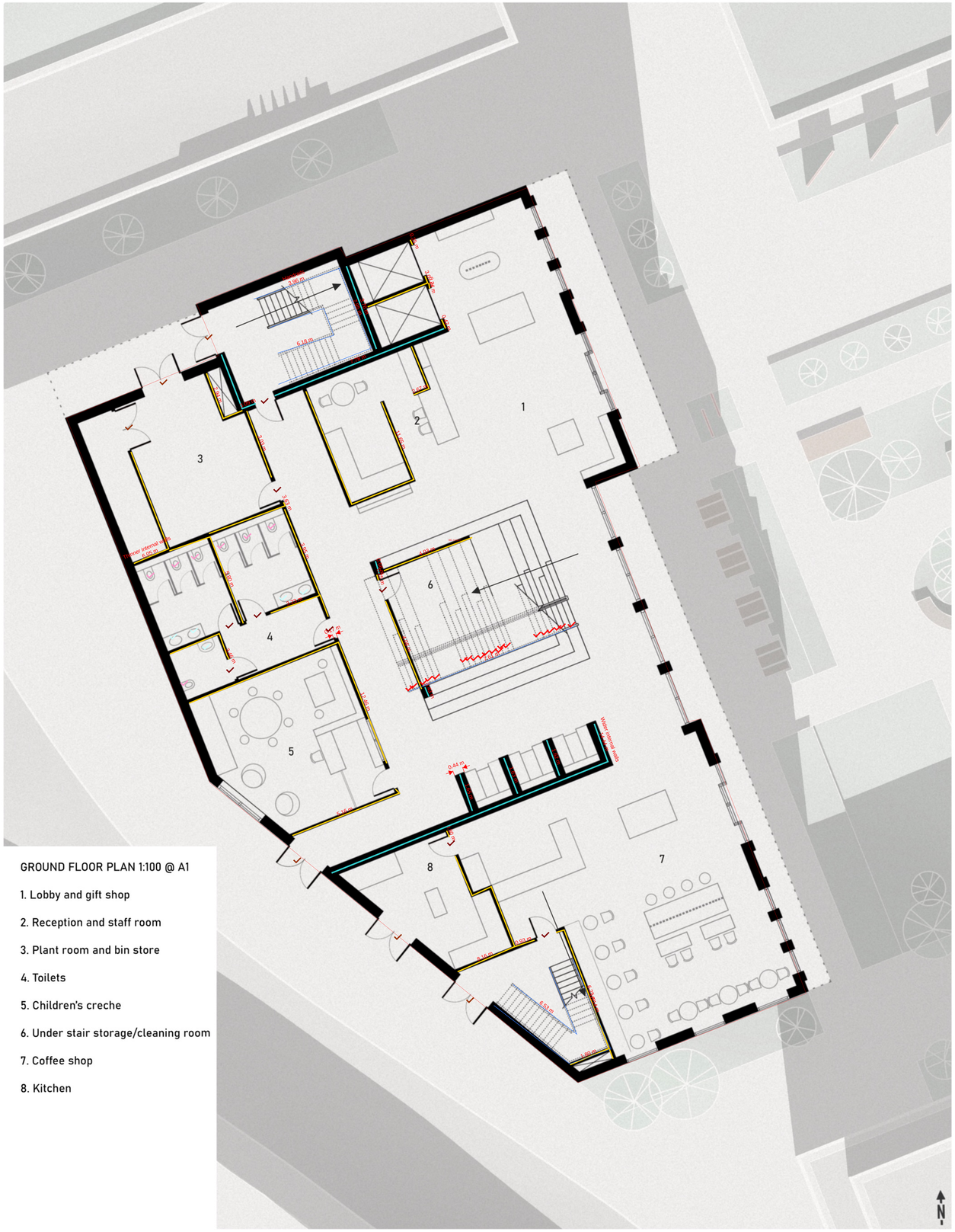
Port Talbot by Katherine Jones

WORK FROM LOCAL ARTISTS SOLD AND DISPLAYED THROUGHOUT



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PROPOSED PLANS



GROUND FLOOR PLAN 1:100 @ A1

1. Lobby and gift shop
2. Reception and staff room
3. Plant room and bin store
4. Toilets
5. Children's creche
6. Under stair storage/cleaning room
7. Coffee shop
8. Kitchen



FIRST FLOOR PLAN 1:100 @ A1

1. Information desk
2. Storage and admin
3. Meeting room
4. Toilets
5. Teaching space
6. Poetry performance stage
7. Study zone
8. Flexible meeting space
9. Interview rooms/workshops

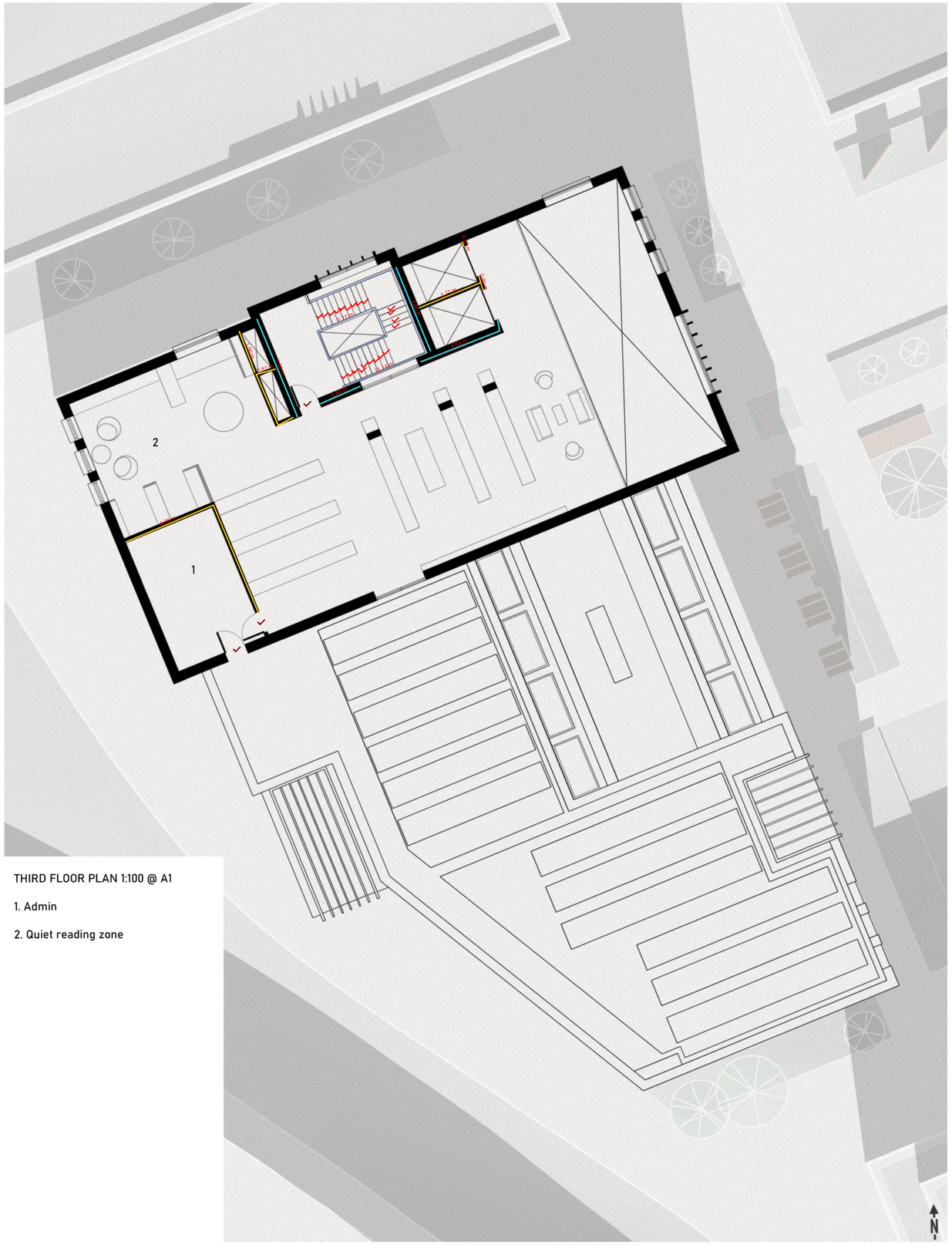
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PROPOSED PLANS



SECOND FLOOR PLAN 1:100 @ A1

1. Library archive
2. Stock room
3. Children's Library
4. Toilets
5. Quiet room
6. Study zone
7. Courtyard

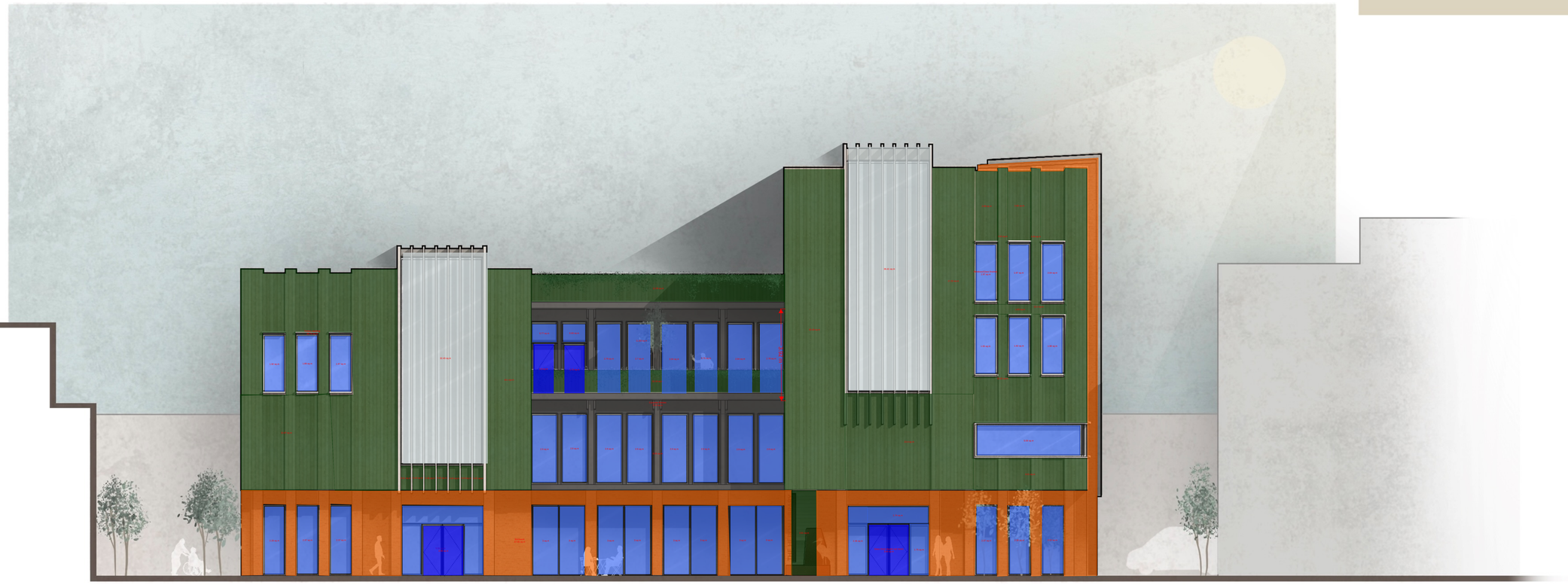


THIRD FLOOR PLAN 1:100 @ A1

1. Admin
2. Quiet reading zone

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PROPOSED ELEVATIONS



EAST ELEVATION 1:100 @ A1



WEST ELEVATION 1:100 @ A1

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PROPOSED ELEVATIONS



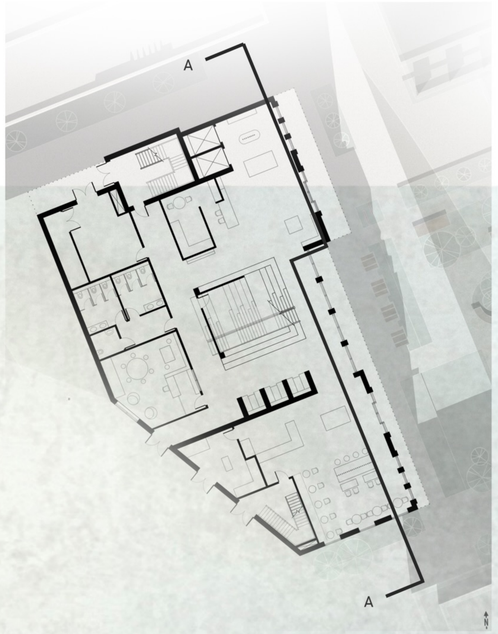
NORTH ELEVATION 1:100 @ A1



SOUTH ELEVATION 1:100 @ A1

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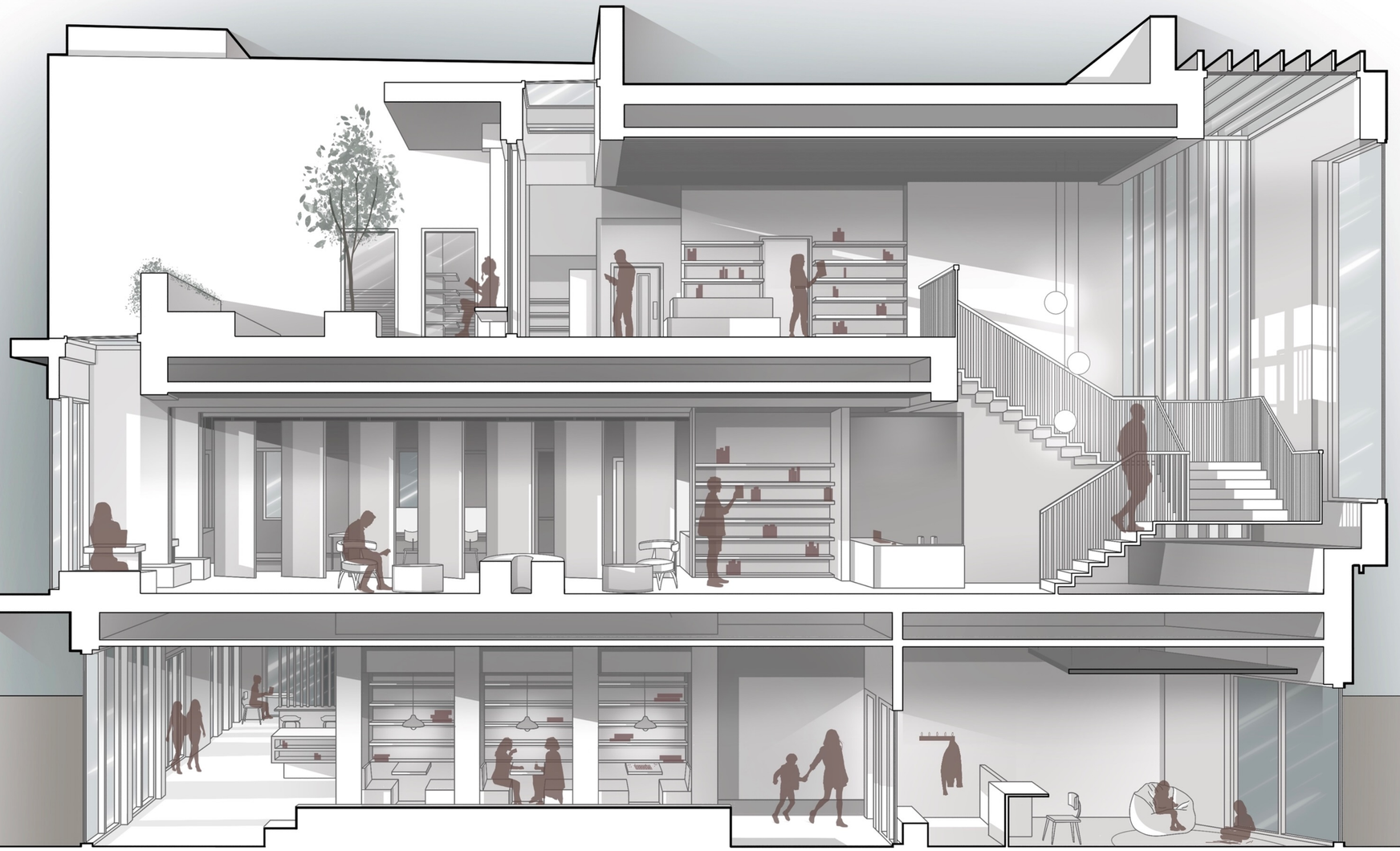
PROPOSED SECTION



SECTION A-A 1:50 @ A1

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CIRCULATION



SECTION B-B

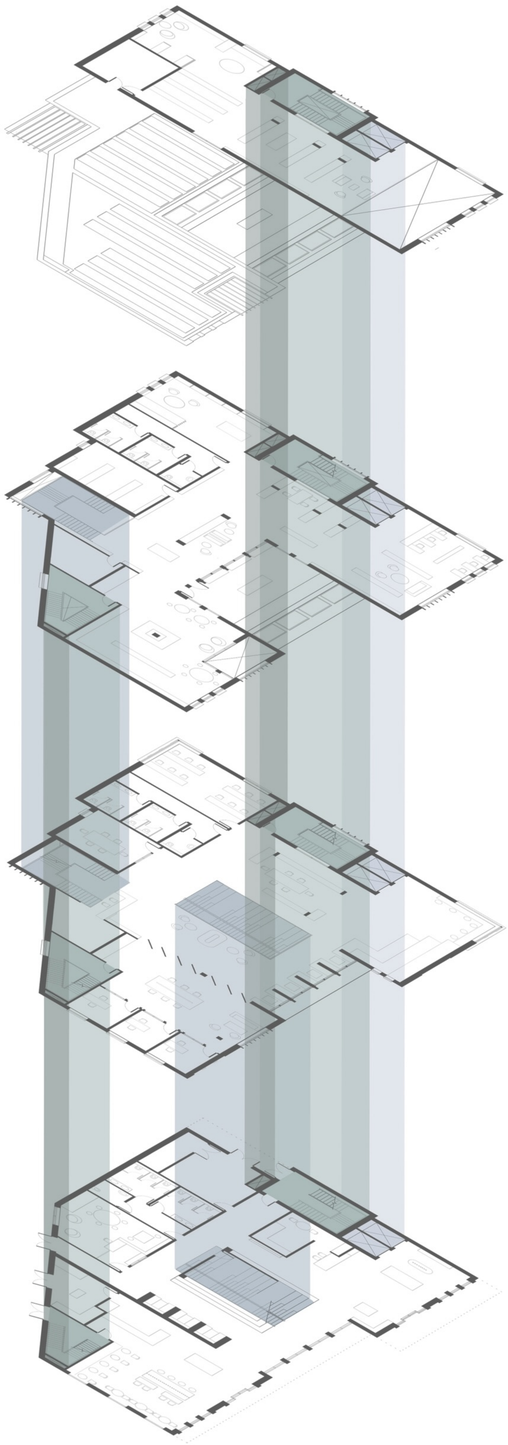
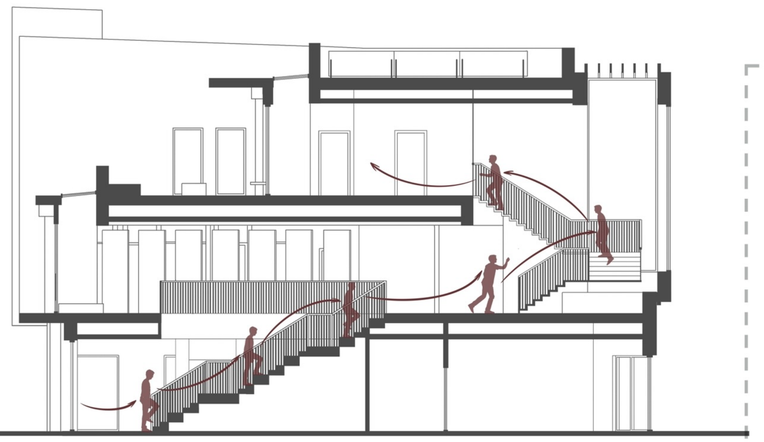


DIAGRAM SHOWING LINKS BETWEEN FLOORS
(STAIRCASES, LIFTS, SERVICE RISERS)



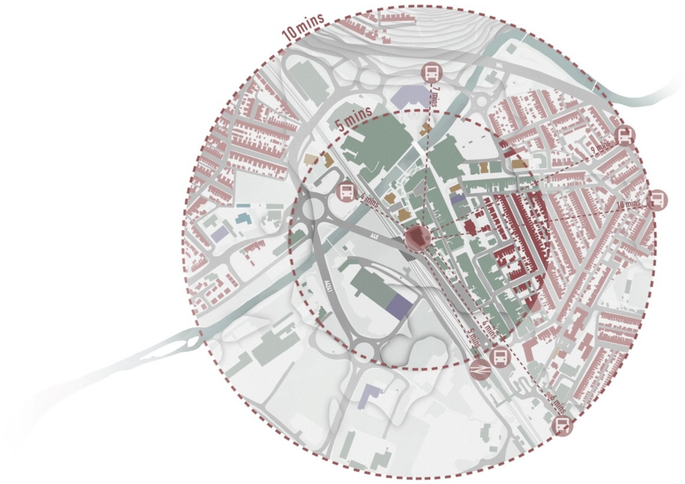


SECTION C-C

The library is a public building that should be accessible, free and easy to navigate for all. Hence the clear circulation strategy. The user enters and is directed to reception and a lift shaft with large statement stairs to the left. These stairs have a direct view to a statement staircase with glazing to the south to draw visitors up and through the building. The library has two emergency staircases either end of the building. They are highly visible through the use of glazing and changes in materials. It is important that a clear route is established to encourage a wider use of the buildings facilities. If guests are unsure a reception desk on the ground floor and an information desk on the first floor are highly visible and accessible.

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DESIGN STRATEGY

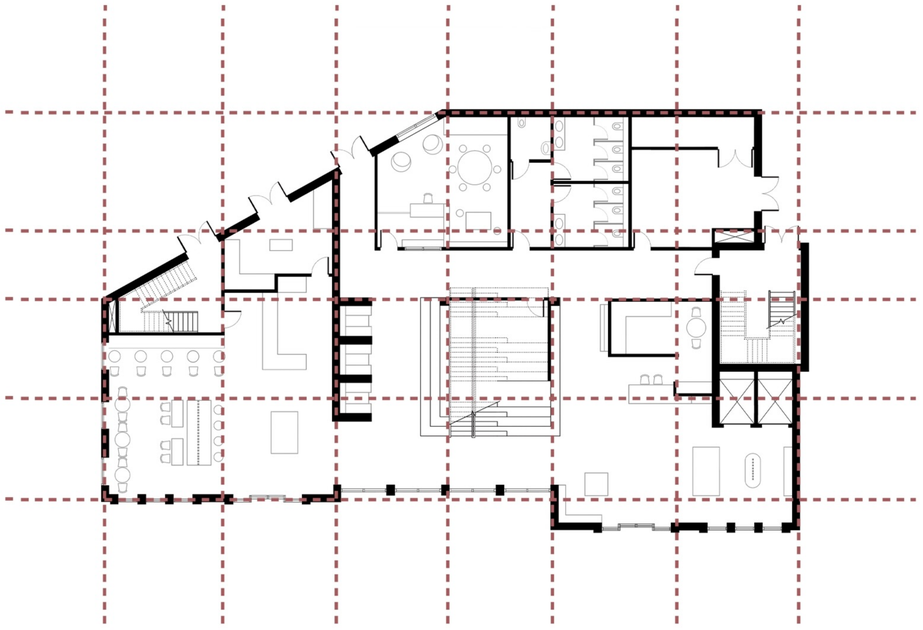


ENCOURAGING SUSTAINABLE TRANSPORT

- The chosen site is in walking distance to multiple bus stops as well as Port Talbot train station

- It is in walking distance to the main highstreet with the entrance being directly visible to entice visitors

- Within the wider scheme of the master plan there is a bicycle shelter nearby as well as a car park with electric vehicle charging points



BUILDING STRUCTURE AND MATERIALS

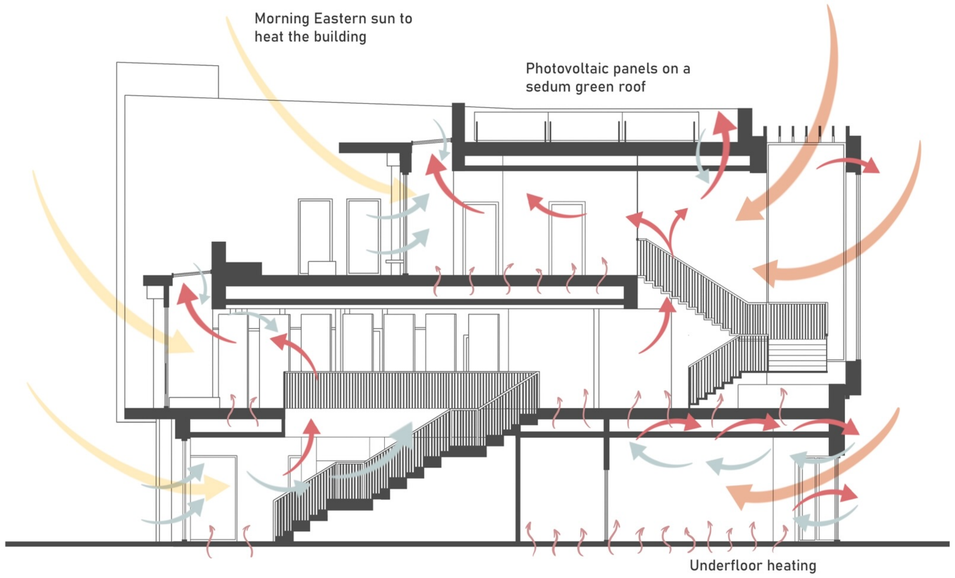
- A steel frame structure with added cross laminated timber panels where required

- Ground floor and feature lift shaft and emergency stair case in brickwork consisting of repurposed bricks

- Cross laminated timber colums and beams in the central section with siberian larch timber cladding the remainder of the building

- Corten steel will also be incorporated into the landscaping as a nod to the industrial history and the steel works of Port Talbot

- All materials used on the exterior wil be mirrored on the interiors to create a consistant design



VENTILATION, HEATING AND COOLING STRATEGY

Glazing to the south for natural daylight while being mindful to ensure reduced light exposure to books and minimising loud traffic from the adjacent road

Trickle vents above windows

Electric blinds to prevent ageing to books

Natural stacked ventilation, air released via actuators on roof lights and assisted by wind catchers on the roof

Mechanical ventilation in rooms lacking natural/stacked ventilation

Highly insulated rockwool insulation to reduce heat loss



BUILDING SERVICES

- Photovoltaic Cells facing south on a sedum green roof

- A hybrid ventilation heat recovery system

- Windcatchers on the roof to facilitate a natural stacked ventilation system

- Ground source heat pump

- Plan room to the reer with bin access and access to the service road

- Timber slats as suspended ceilings to aid with acoustics. Main light sources to come from natural daylight and LED light strips between timber slats on ceilings with extra targeted lighting for focus

- A slight slope to the flat roof to encourage drainage to the rear of the building with integrated rain water pipes

Roof Plan 1:100 @ A1

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DESIGN STRATEGY

1:20 SECTION @ A1

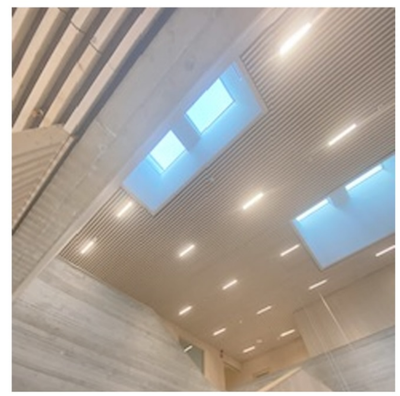


Treated siberian larch cladding supported by a frame wall buildup on a steel frame for structural support

Reclaimed brickwork

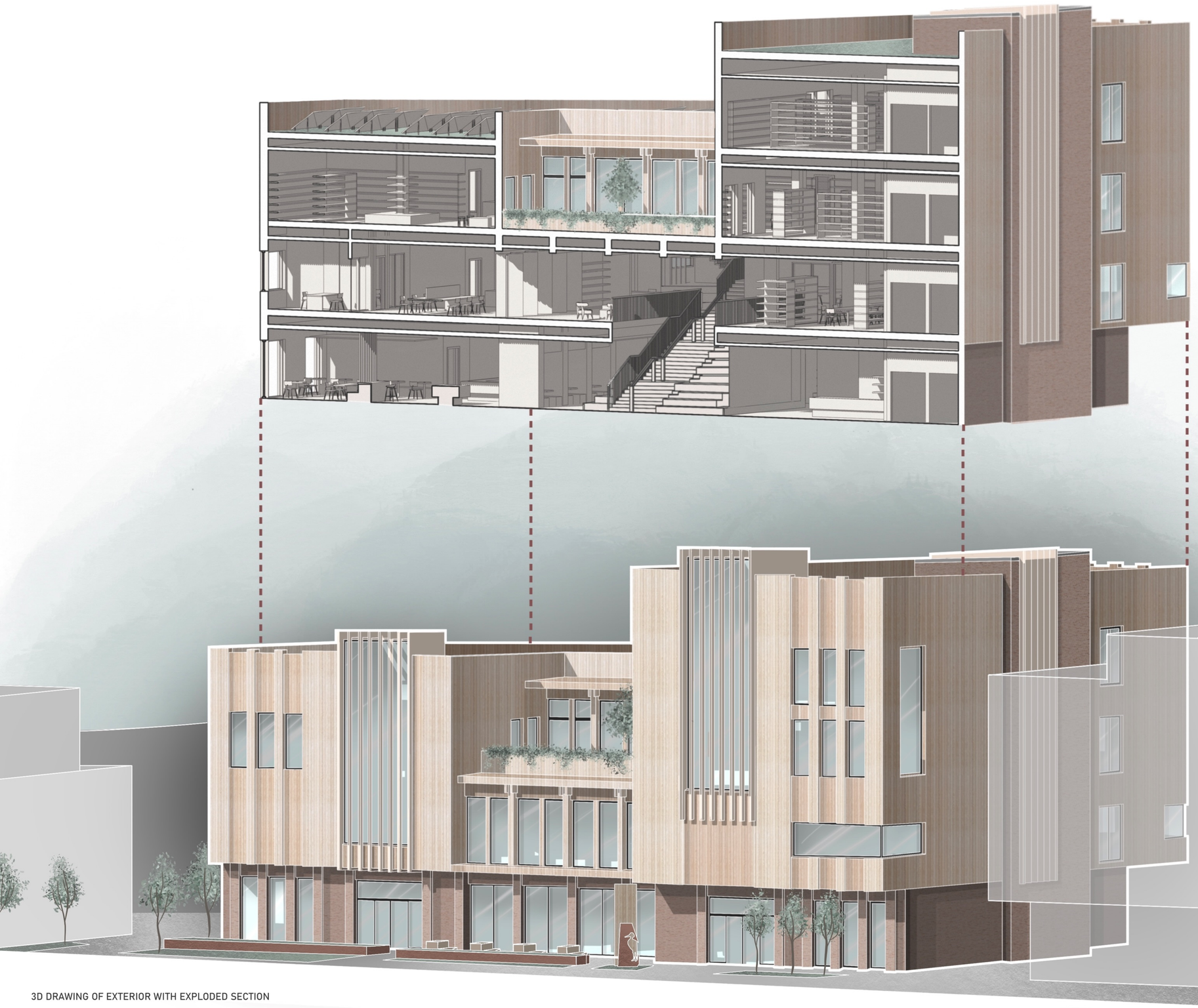


Timber slats on suspended ceilings for acoustics with LED strip lights running inbetween

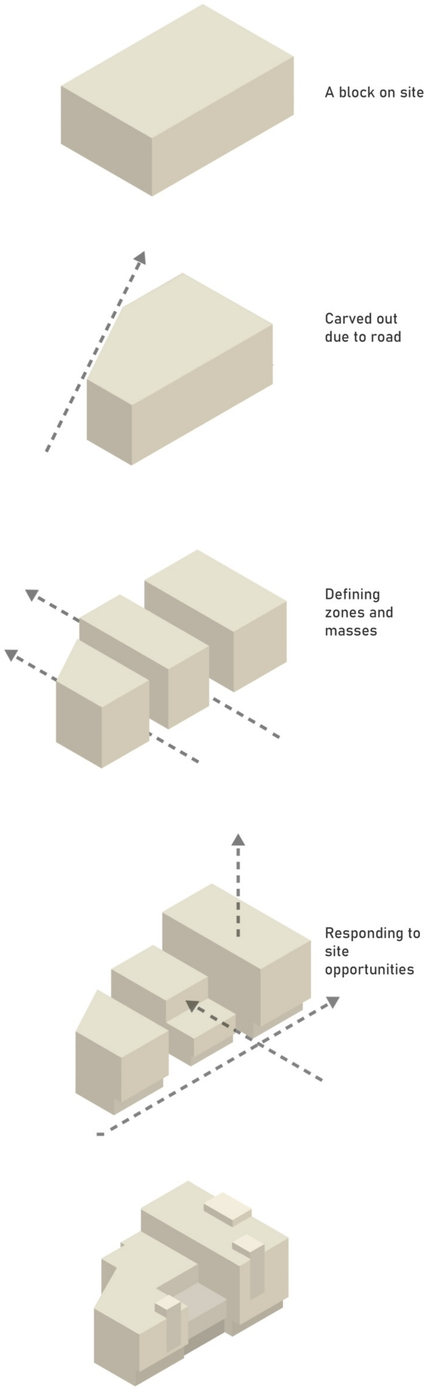


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MASSING AND FORM



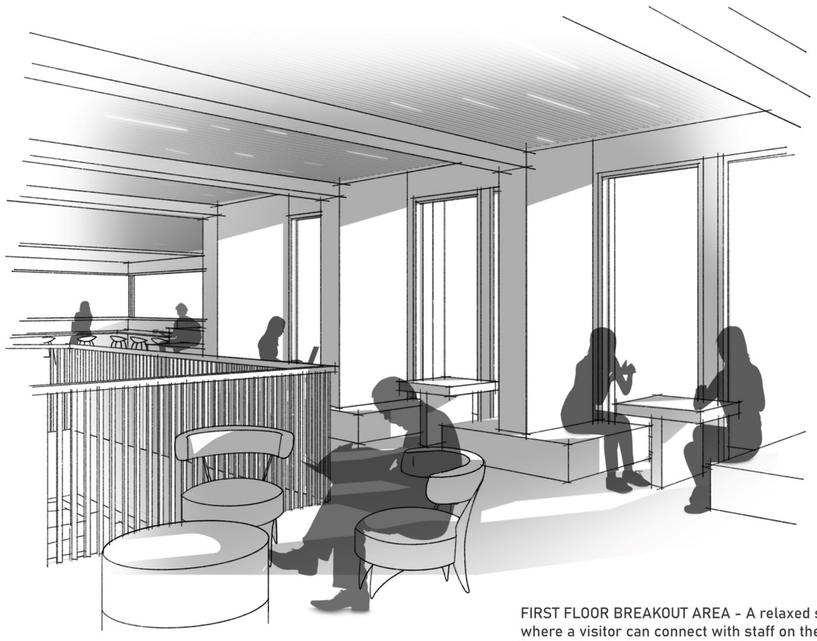
3D DRAWING OF EXTERIOR WITH EXPLODED SECTION



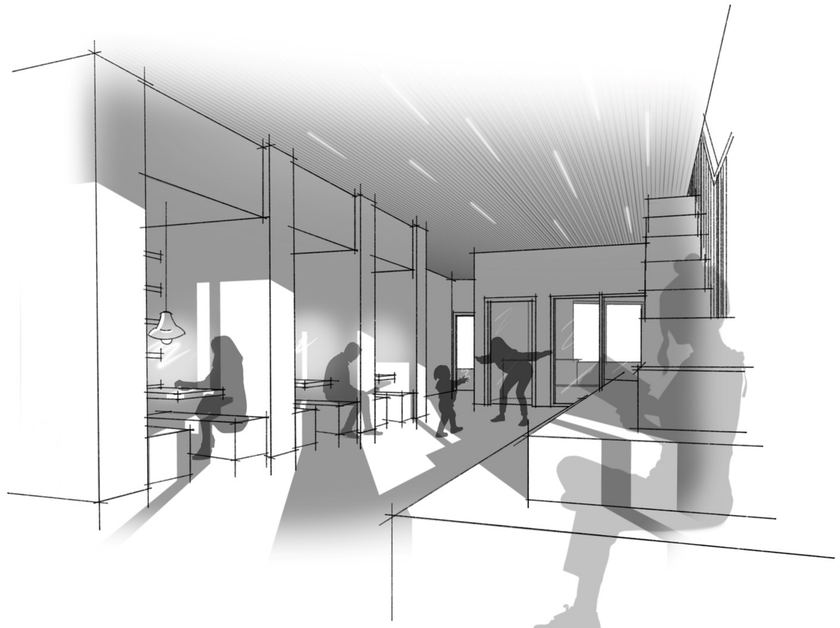
MASSING DEVELOPMENT

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USERS OF THE LIBRARY



FIRST FLOOR BREAKOUT AREA - A relaxed spot where a visitor can connect with staff on the information desk, a poet can perform a piece to a crowd or studens can sit by the windows and study and socialise simultaneously.

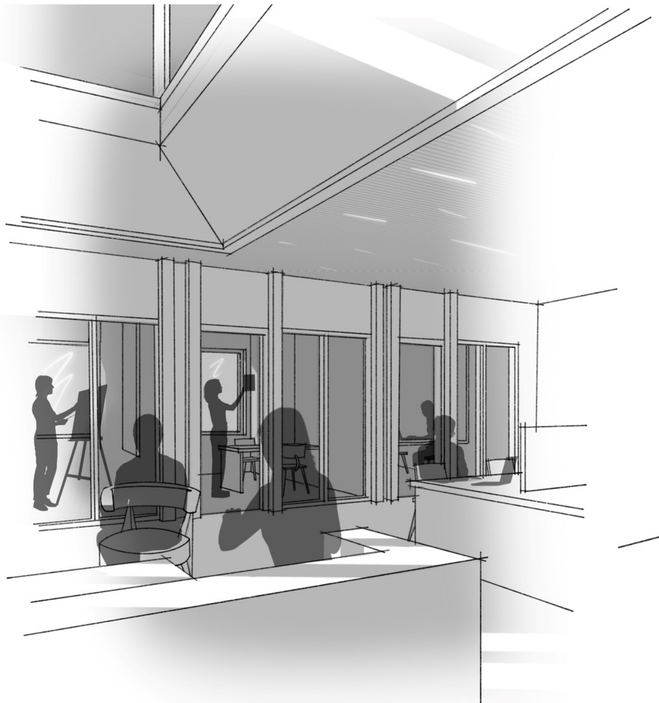


GAME ZONE - A place for all. An extension to the cafe and reception allowing people to gather around the stairs. Three booths allow friends to play a board game, a retired reporter to read the newspaper or a mother to wait for her child to leave the adjacent creche.

STUDY WORK PLAY SOCIALISE LEARN MEET READ GROW

FIRST FLOOR WORK ZONE - A quiet spot with individual multifunctional rooms. These might be used as an interview room for an unemployed father who has just placed his child in the creche, a studio for an artist or a quiet meeting room. This space is accessed via movable walls that can be opened or closed to create a conference space,

CAFE - A small coffee shop for library visitors or passers by. It creates job opportunities and revenue. It has a variety of seats for visitors to relax alone or with a group of friends. It opens onto the public square with outdoor seating allowing visitors to enjoy the landscaping.

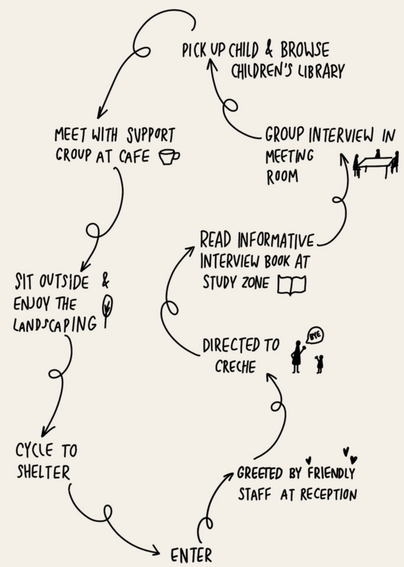






The Brief:

The brief was set by a single mother with a passion for writing. She wanted the library to become a key part of the community and serve other women in her position. She was keen for it to facilitate mothers in getting employment. Set below is an example of how one member of the community, a mother with a young child might use the library:

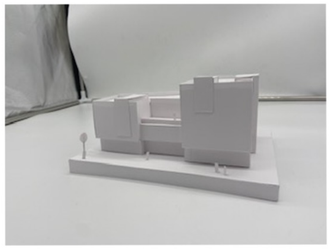


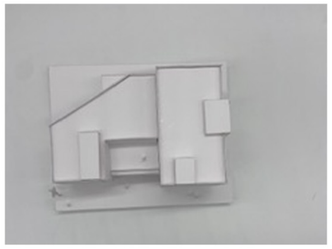
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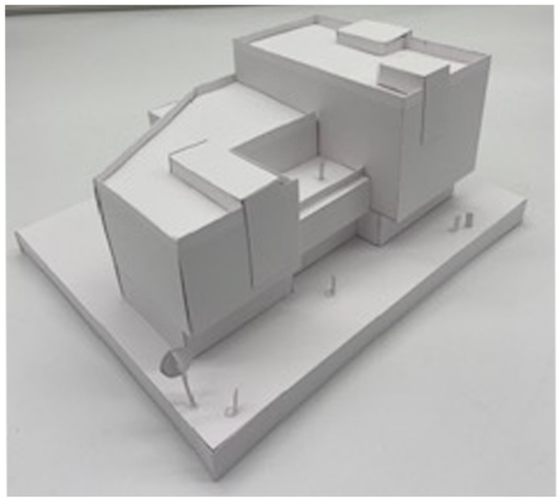
3D VISUALS



VIEW OF PUBLIC SQUARE







MASSING MODEL



AERIAL VIEW OF BUILDING IN MASTER PLAN