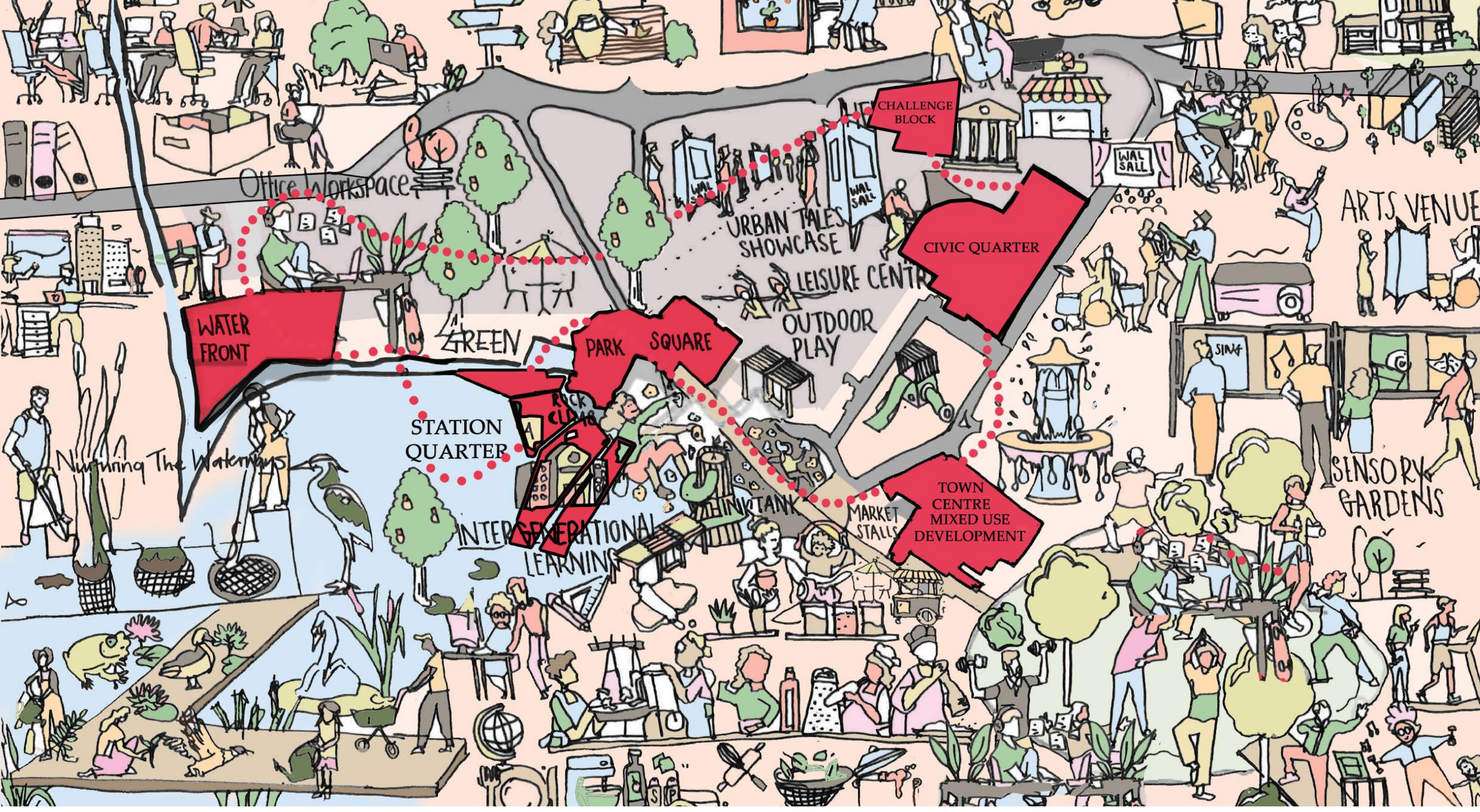


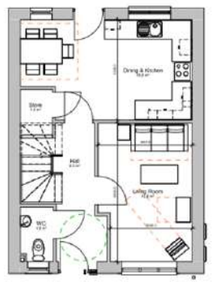
Sadiyah Tijani

portfolio.

‘Good Architecture should fill us ordinary people with awe and make us break out in smiles.’

Humanise, Heatherwick (2023)

Above: HAND DRAWING of Walsall Masterplan



Ground Floor Plan
1 : 50

First Floor Plan
1 : 50

Material Schedule
Palette

External Main Facing Bricks – Type A

External Main Facing Bricks – Type B
Cremwell Split Face

External Masonry Stone Sill- K Rend
Antique White

Roof Tiles - Type A
Concrete Interlocking Tiles
Marley Modern Smooth Grey

Ground Floor

First Floor

Proposed Site Plan, Elevations And Floor Plans | The Kirklees

BTP ARCHITECTS **2022-23**

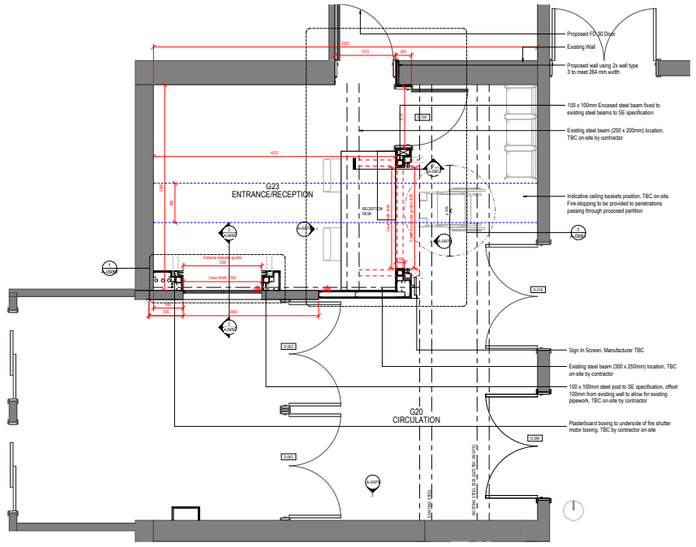
Part 1 Experience: Revit

RIBA Stages 0-3

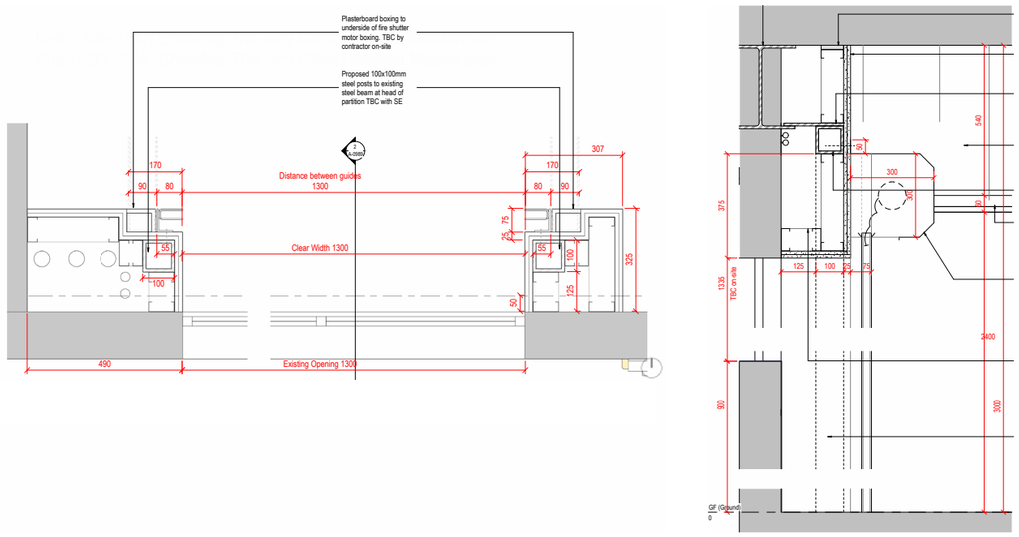
The Kirklees | Common Road | Yorkshire | 4,000 sqm

Project Brief:
Develop housing layouts for a new 50 unit social housing estate, overcoming challenging site conditions.

Responsibilities:
Collaborated with Yorkshire Council to design site plans and house types, adapting to a steep topography to optimise privacy and access.



Assembly Drawing For Floor Plan Reception Area | Ayelsford School



Reception Area Shutter Two Floor Plan | Ayelsford School
Right: Reception Area Shutter Two Detail

ADP ARCHITECTS **2025**
Part 2 Experience: Revit **RIBA Stages 4-5**
Right: Ayelsford Primary & High School | Education | Warwick | 54 sqm

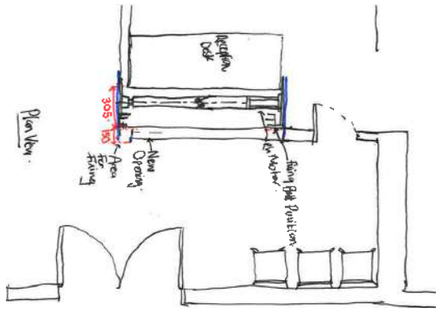
Project Brief:
To redesign the school reception, focusing on layout, accessibility, desk design, and fire safety.

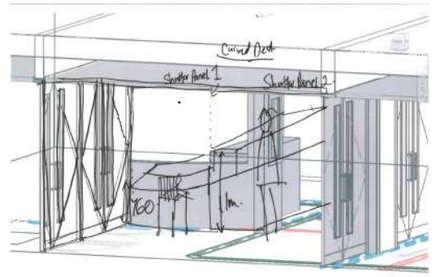
Responsibilities:
Worked with senior architects on detailed shutter design, producing Revit plans, sections, and elevations, while ensuring Part M compliance and coordinating with consultants.

1

Site Survey Photos | Ayelsford School

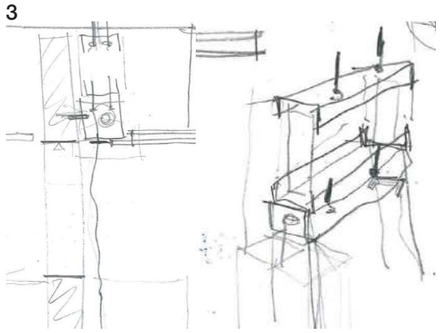
2

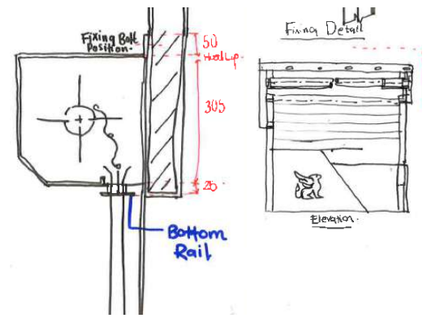




Reception Area Shutter And Desk Sketches | Ayelsford School

3

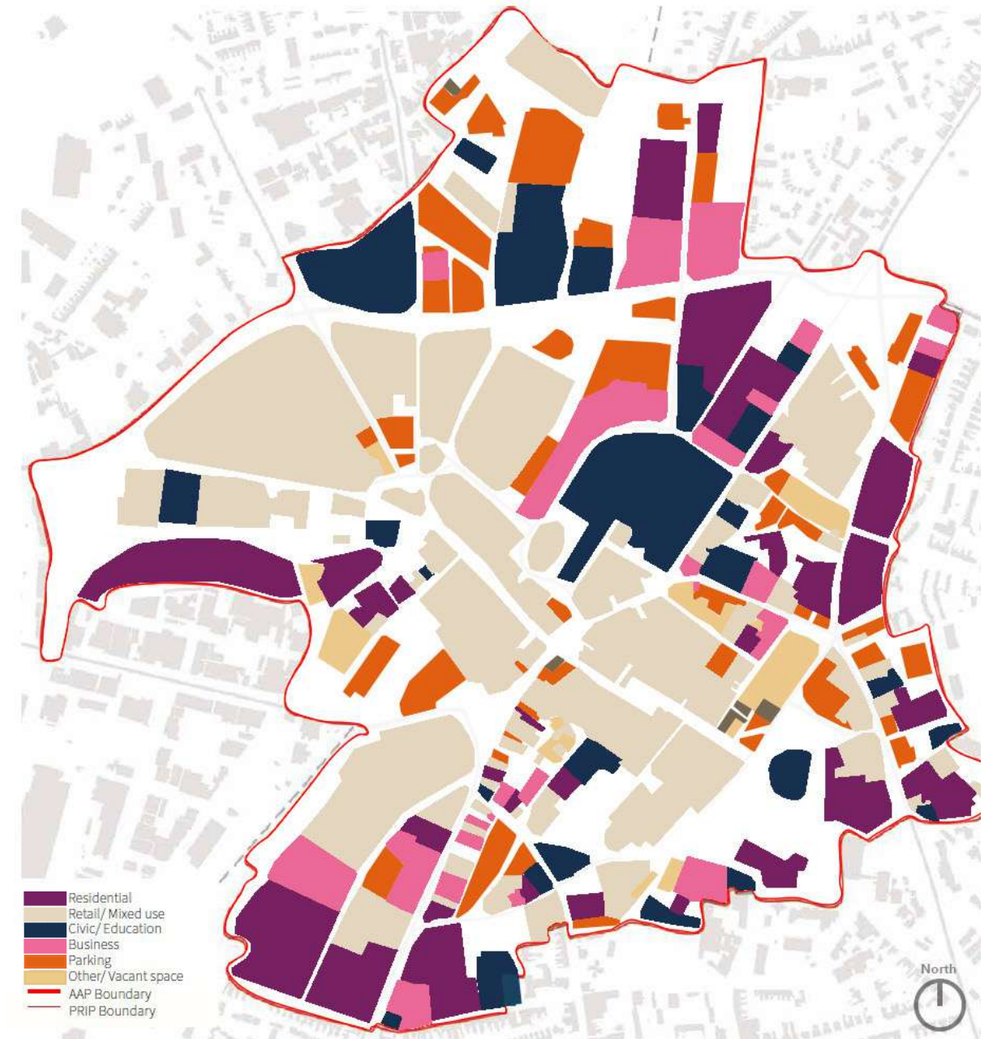




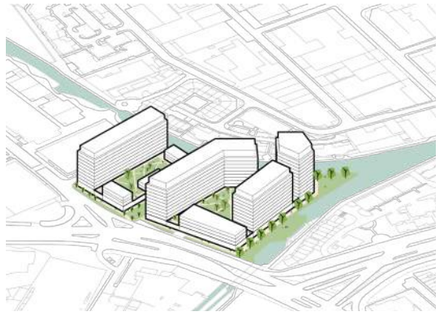
Shutter System Sketch Iterations | Ayelsford School

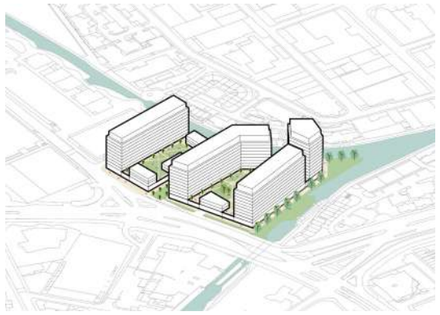
CHALLENGES AND LESSONS LEARNT

- Outdated 2D survey drawings and mismatches with site conditions created inaccuracies that required careful verification and adjustment.
- Coordinating input from fire, engineering, and accessibility consultants led to multiple drawing revisions to balance and integrate priorities.
- Re-desigining specialist shutter systems to suit contractors revised specification.

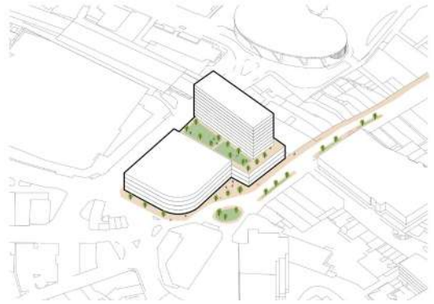


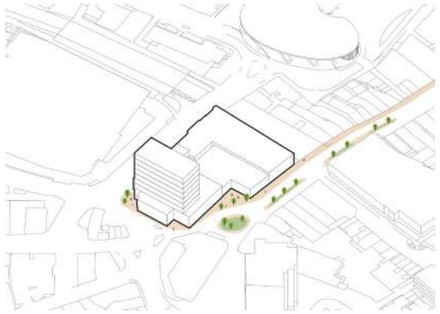
Site Plan Showing The Building Uses Of The Town Centre Informing Proposals | Walsall Masterplan



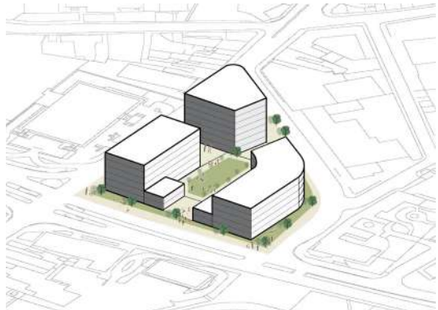


The Waterfront Site Design Iterations | Walsall Masterplan



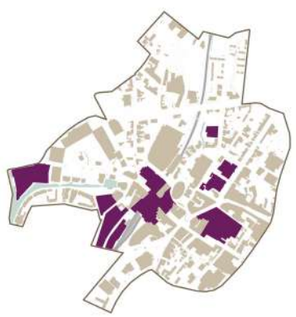


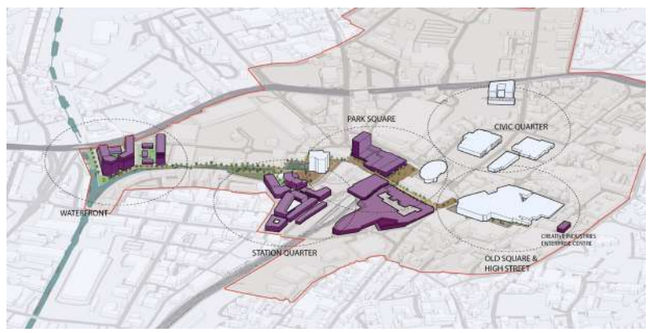
The Park Place Site Design Iterations | Walsall Masterplan



The Walsall Gateway Site Design Iterations | Walsall Masterplan

Left: Site Plan Showing The Key Sites | Walsall Masterplan
Right: 3D View Showing The Key Sites | Walsall Masterplan





ADP ARCHITECTS **2025**
Part 2 Experience: Revit **RIBA Stages 0-2**
Town Masterplan | Walsall | Urban regeneration | 10 Town Centre Sites | £40 Million
Project Brief:
A mixed use regeneration proposal for Walsall Town Centre, delivering new 112 homes, commercial space, and improved public realm as part of a wider 15 year masterplan.

Responsibilities:
- Led site analysis and iterative design testing across 10 sites, integrating transport consultant input and 3D massing studies.
- Supported delivery of a 50 page vision document for Walsall, translating site constraints into design opportunities and spatial strategies.

Proposed First Floor Finishes Plan | Gloucester University

Proposed First Floor Finishes Plan | Gloucester University

ADP ARCHITECTS **2025**

Part 2 Experience: Revit **RIBA Stage 4**

Adult Learning Centre Education | Walsall | 20,000sqm | £1.4m

Project Brief:
Commissioned by KIER contractors for a £10k redesign to advance an existing shopping centre conversion to a college through ADP producing high quality stage 4 packages.

Responsibilities:
Updated Revit and floor plans to reflect planning and design changes, department color coding, and producing floor finish and ceiling plans.

Proposed CGI | Gloucester University
Collected samples, sourced floor finishes and lighting options for client engagement meetings.

Completed Building Phase 1 | Gloucester University

CHALLENGES AND LESSONS LEARNT

- Resolved inaccurate surveys through real-time sketches, later formalised in construction records.
- Documented site discoveries (including a medieval burial ground) within project records.
- Learned construction record drawing types and timelines, ensuring clarity and future traceability.
- Gained experience delivering projects at completion stage, from markups to final package exports.

READING FESTIVAL

READING FESTIVAL

READING

READING WEST STATION

ELIZABETH LINE

THAMES LIDO

KINGS MEADOW

RIVER THAMES

BRITISH MUSEUM

LONDON

HENRY I

MARKET STALLS

SHOP

OXFORD ROAD

TOWN HALL

SHOPPING CENTRE

BROAD STREET

READING PRISON

BREWERY

MALT

BREWERY

1785-1980

Brewers

H & G SIMONDS

THE HEXAGON

SING

READING FC

COURAGE

THE PURPLE TURTLE BAR

BLACK HISTORY MURAL

READING

DRAMA

SOUTH STREET ARTS CENTRE

HUNTLEY & PALMERS

COOKIES

1822-1976

HEATHROW

WHITE KNIGHTS LAKE

READING SCHOOL

STUDENT

UNIVERSITY OF READING

WISDOM

By ADP 7/25

Proposed First Floor Finishes Plan | Gloucester University

Proposed First Floor Finishes Plan | Gloucester University

Proposed CGI | Gloucester University

Completed Building Phase 1 | Gloucester University

ADP ARCHITECTS **2025**

Part 2 Experience: Revit **RIBA Stage 5**

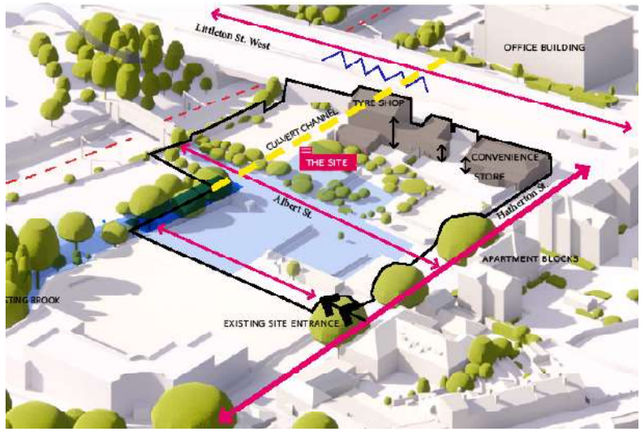
Gloucester City Centre Campus | Education | Gloucester | 20,000sqm | £1.4m

Project Brief:
The brief was to **refurbish** and old Debenahms store to a university building.

Responsibilities:
Formally uploaded drawings and documentatoin to viewpoint and 4P to be shared with the construction team. Amended contractor markups to prepare final drawings for building completion.

CHALLENGES AND LESSONS LEARNT

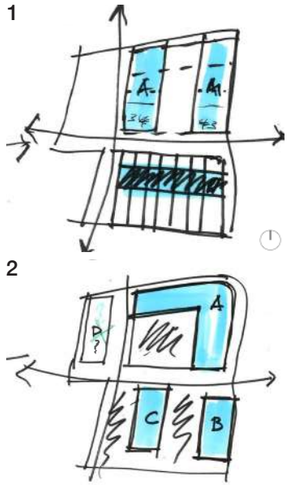
- Resolved inaccurate surveys through real-time sketches, later formalised in construction records.
- Documented site discoveries (including a medieval burial ground) within project records.
- Learned construction record drawing types and timelines, ensuring clarity and future traceability.
- Gained experience delivering projects at completion stage, from markups to final package exports.



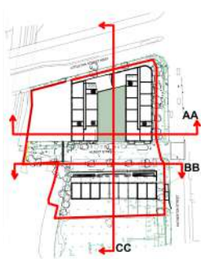
Site Constraints And Oppurtunities | The Challenge Block

- Ground **contamination** from a culvert addressed by creating a pond, delivering biodiversity gains and resident amenity space.

Above: Final Option 1 Typical Upper Plan | The Challenge Block
Right: Site Sketches And Design Iterations | The Challenge Block



Site Sections | The Challenge Block



Birds Eye View | The Challenge Block

Street Scene By The Studio Director | The Challenge Block

ADP ARCHITECTS **2025**
Part 2 Experience: Revit **RIBA Stages 0-2B**
The Challenge Block | Walsall | Mixed Use Apartments | 10,906.7 sqm | £40 Million

Project Brief:
A mixed use regeneration proposal for Walsall Town Centre, delivering new 112 homes, commercial space, and improved public realm as part of a wider 15 year masterplan.

Responsibilities:
Produced Stage 2 Revit drawings, accommodation schedules, visuals, and sketches with input from senior architects; attended DTMs, issued reports and coordinated technical information.

CHALLENGES AND LESSONS LEARNT

- Steep site levels resolved by introducing a podium structure that integrated parking and maintained clear resident access.

01 GOODFISH

Ghana, Africa 2023-24 MArch 2

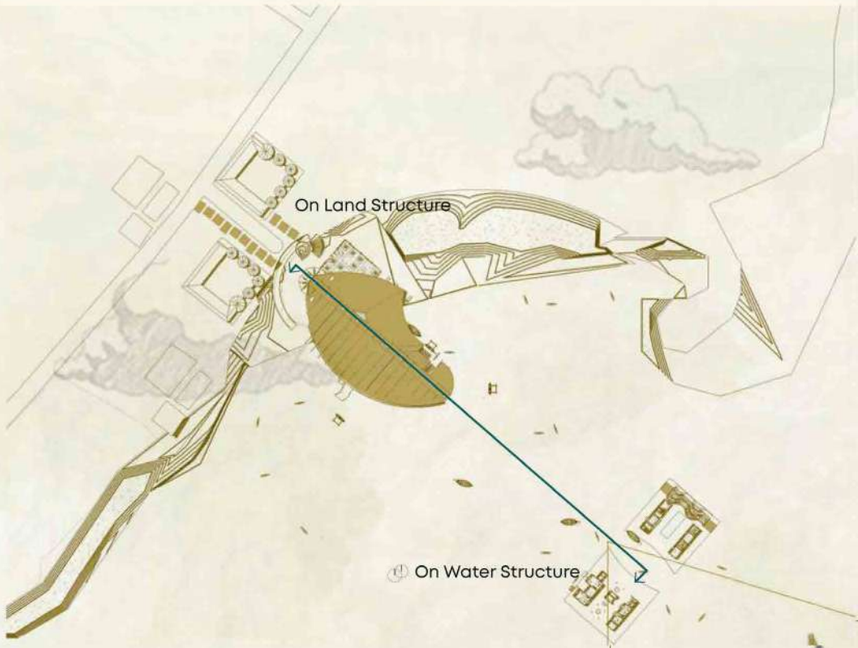
CAN ARCHITECTURE SPARK SYSTEMIC CHANGE TO COMBAT POLITICAL CORRUPTION FOR A BETTER WORLD?

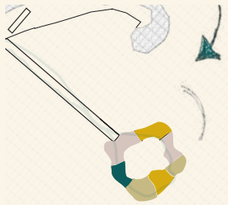
Software: Rhino,Vectorworks.

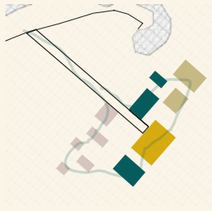
The Goodfish Design Project explores the global fishing supply chain and how coastal regions can sustain generational fishing traditions. It advocates for local empowerment over market-centric solutions.

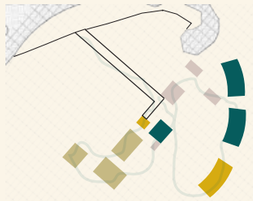
Methodology

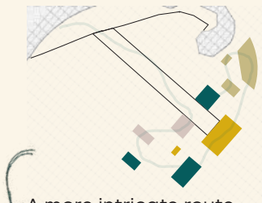
Interviews and studying daily life in coastal fishing communities helped me understand their essential routines and production needs shown in the section drawing.



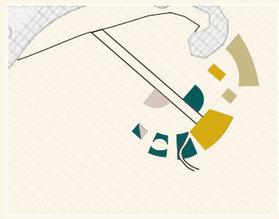


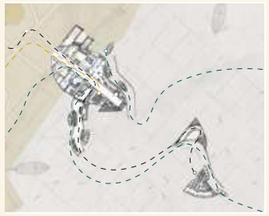






A more intricate route incorporating boat journeys.





Design development

Above: Iterations show how I integrated **land and water** domains, blending women's work areas, child education zones, alongside traditional male fishing activities.

Left: The Goodfish manifesto highlights the struggle between foreign trawlers depleting local resources and the Ghanaian coastal community fighting back.

Manifesto created by Sadiyah Tijani using Rhino and Photoshop.

FLOATING BAMBOO STRATERGY

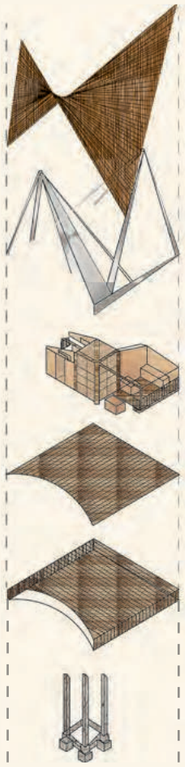
Solid core bamboo.

Louvres For Shade.

The interior shelter offers a sea protected space for locals.

Plastic drums provide buoyancy, with a septic filter and water tank incorporated in the design.

PIER FOUNDATION STRATERGY



The steel shell is wrapped in woven bamboo, reducing emissions and blending with the environment.

The entrance features Wawa wood, reinforced with a waterproof membrane.

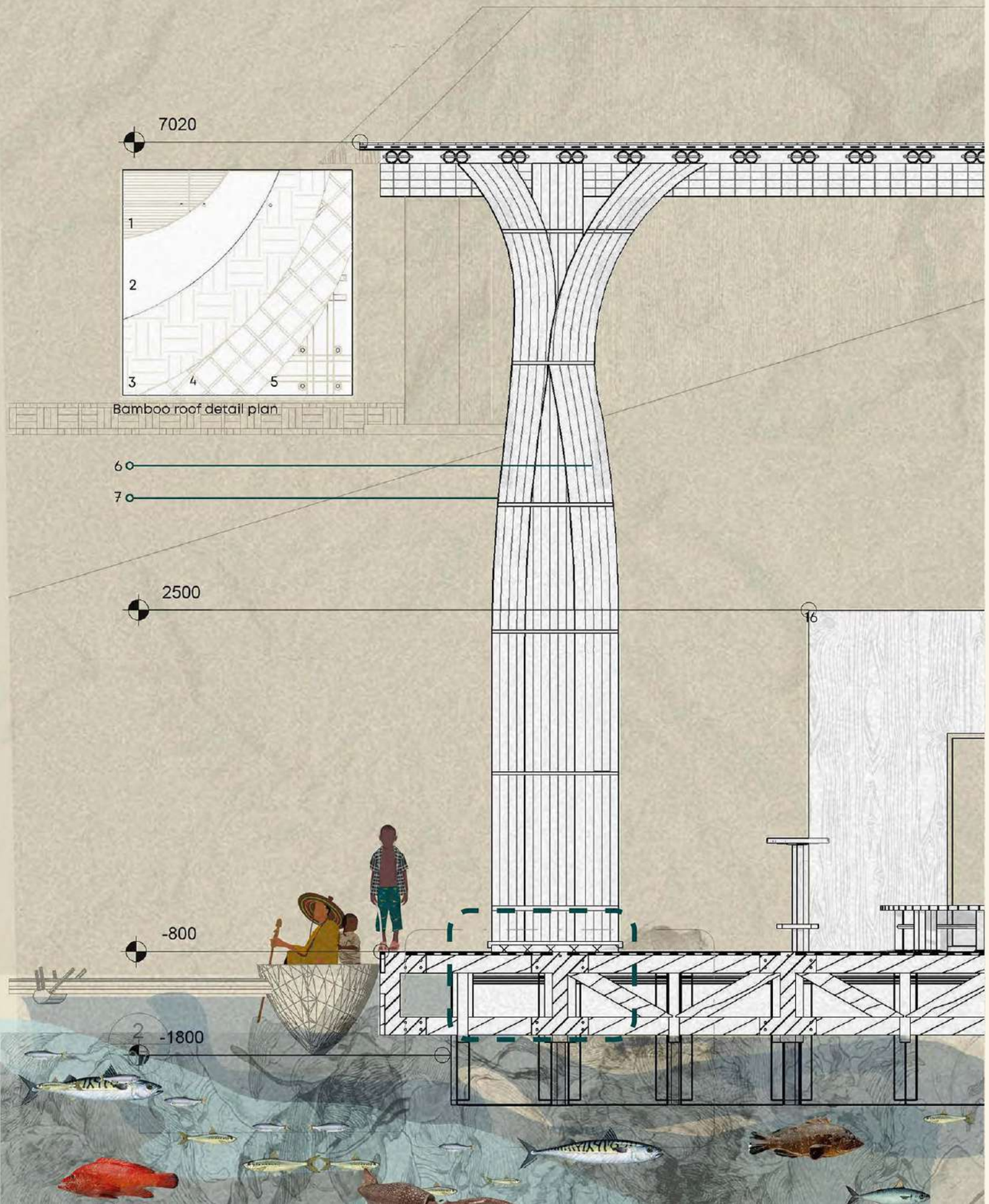
Concrete columns reach 30 meters into the seabed for stability.

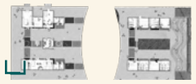
Developing the structure : The Site Model

Top: Exploded isometric of the on land and on water structures. The **dual** structure design balances global **awareness** and community **needs**.

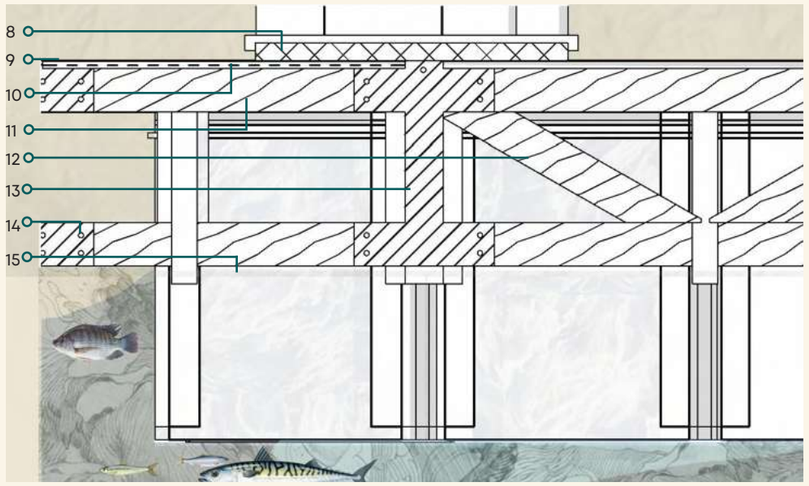
Above:South elevation visual of the on-land fish facility with pier foundation strategy.

Left: **The Goodfish physical site model**. Includes community living quarters, on-land facilities for fish production, education, and research areas, along with an on-water floating structure hosting a swimming spot and viewing platform for locals and visitors.





Key Plan



Diving into the details

Left: 1.50 On water structure detail

1 Bamboo shingles
2 Waterproofing membrane
3 Cane mat
4 Criss cross bamboo support
5 50mm bamboo purlins
6 Arches Bundle
3 Pangkal blonde bamboo petung, 80mm each
7 Bamboo lashing
8 70 mm Pedestal & bench foundation with bedeg pattern

Right: 1.25 Floor build up detail

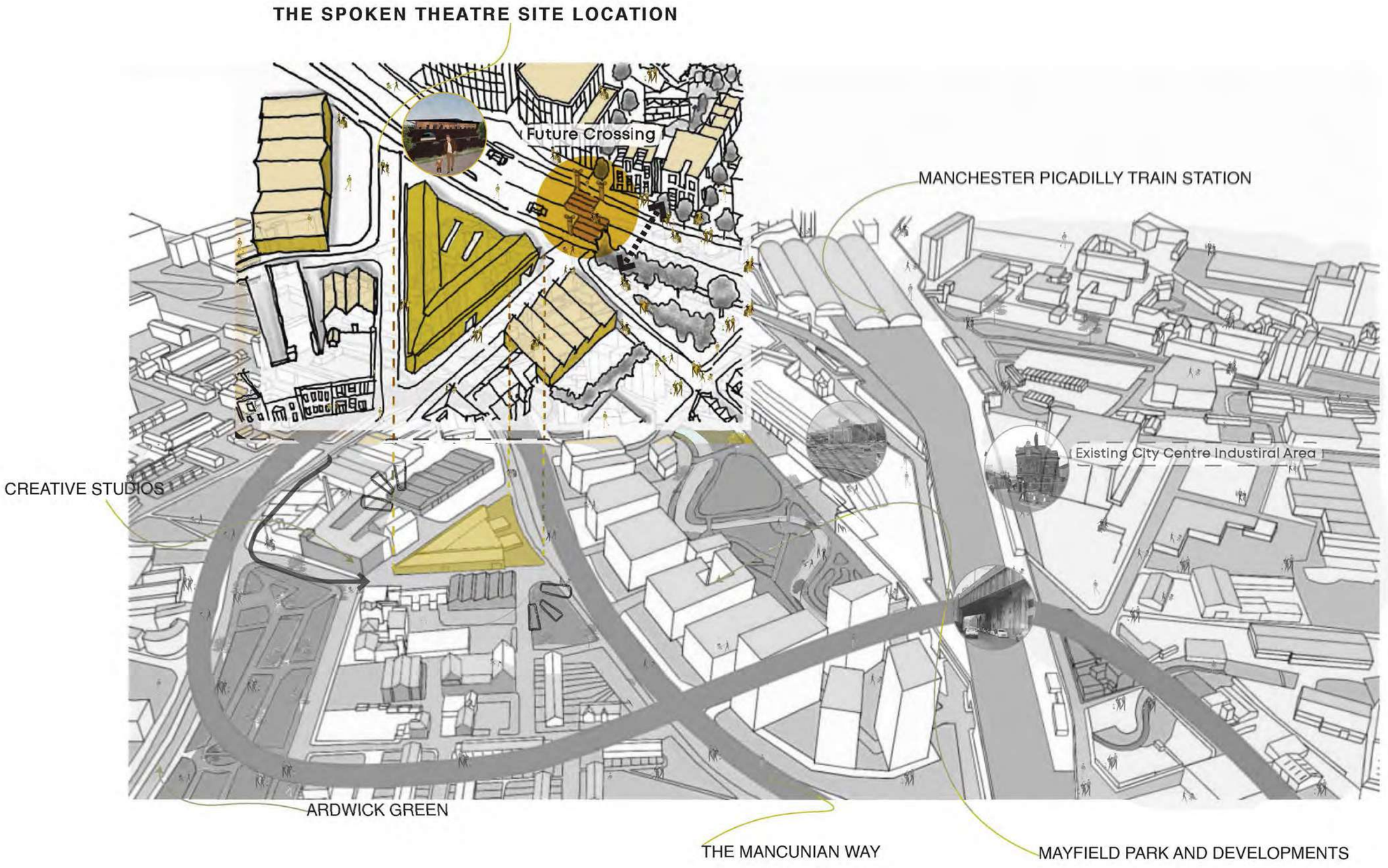
9 20 mm Wawa wood oak parquet
10 Waterproof membrane
11 180mm Timber plank
12 150mm Timber cross bracing
13 550 x180 mm Steel plate to secure timber planks
14 10 mm Bolts attaching timber planks to barrels
15 950x1200mm Plastic floating storage barrels
16 On water structure shop for fishermen to use toilets and purchase essentials.
The on water structure uses bamboo, timber and steel construction, providing stability and **protection against the climate.**

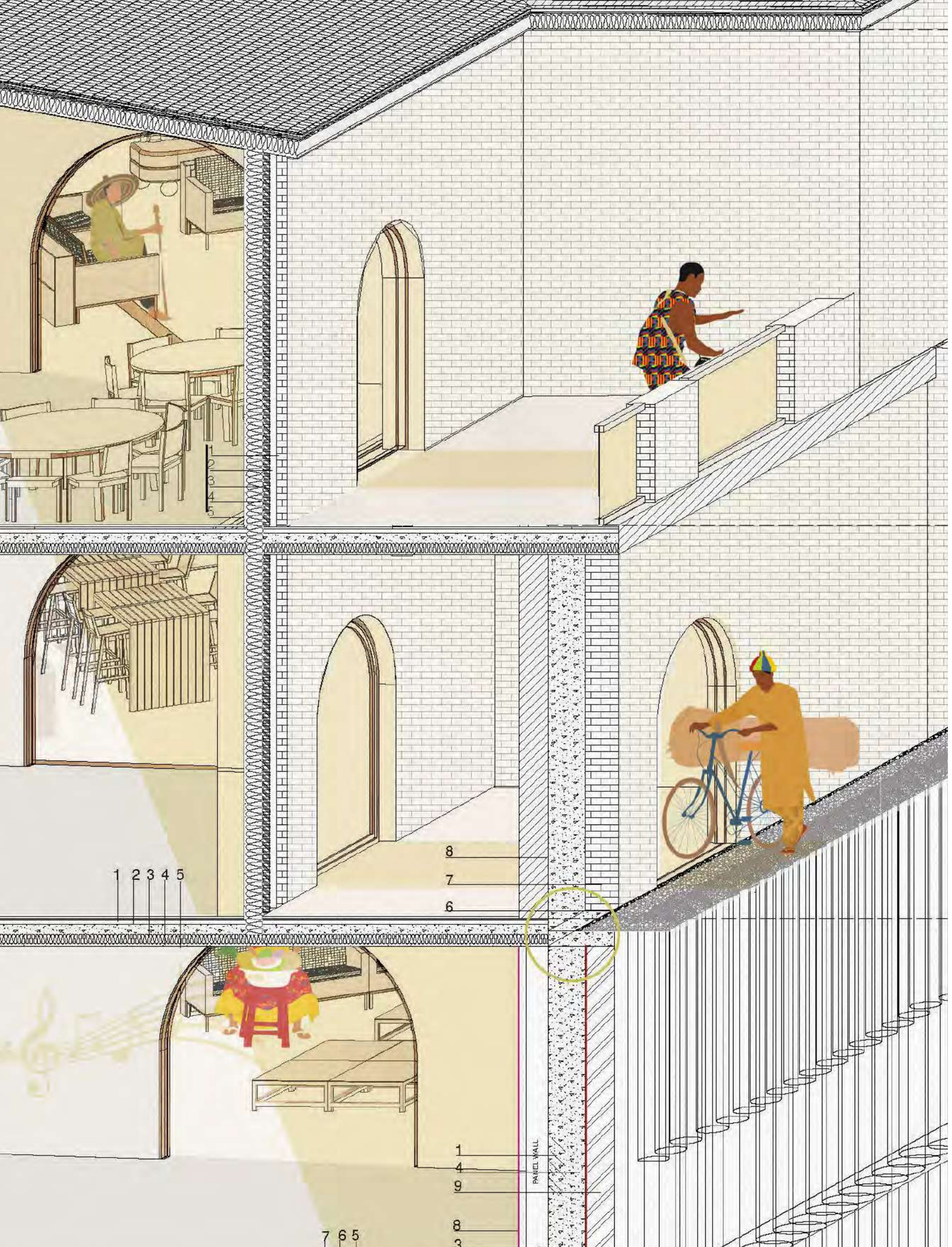
02 THE SPOKEN THEATRE

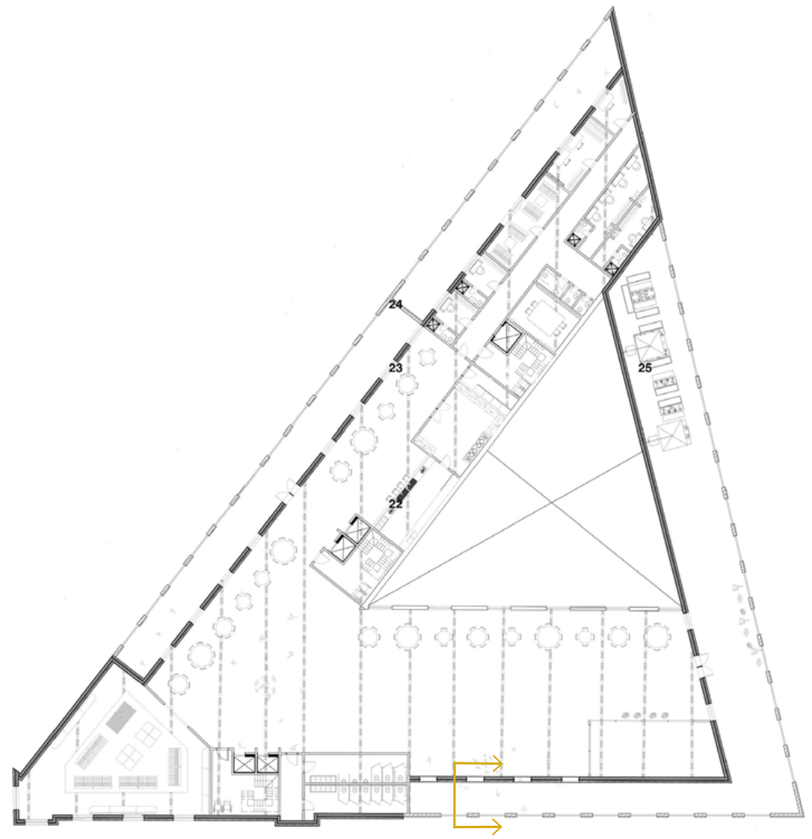
Ardwick, Manchester 2021-22 MArch 1

REVITALISING A DISUSED BREAD FACTORY INTO A HUMAN-SCALED, CULTURAL , VIBRANT THEATRE.

Software: Rhino,Vectorworks.







Key

Wall Buildup

1 Brick
2 Cavity
3 Sheathing
4 Wood Framing (Insulated)
5 Interior Plaster

Floor Buildup

1 Oak Flooring
2 Interior Plasterboard
3 Concrete Slab In Situ
4 Insulation To Tightly Abut Blockwork
5 Interior Plaster
6 Pile Cap
7 Exterior Paving
8 Secant Piles (Sit 4 Metres Below Basement Level)

Basement Construction

Type A Barrier Protection
Type B Structurally Intergration Protection
Type C Drainage Protection
Type D Vapour Protection

1 **Type B** Integral Waterproofing Concrete (500MM)
2 **Type C** Drained Protection
3 Injection Hose System
4 **Type A** Pre Applied Waterproofing Membrane System
5 **Type B** Basement Floor Integral Waterproofing Concrete
6 **Type A** Pre-Applied Waterproofing Membrane System
7 **Type C** Drained Protection Raised Floor To Allow Drain Cavity
8 **Type D** Vapour Protection (Vapour Barrier)
9 Concrete Piles

03 THE OBSCURITY OF WOMEN

Digbeth, Birmingham 2019-20 BA 3

CAN ARCHITECTURE HEAL WOMEN'S OBSCURED EXPERIENCES, OFFERING EMPOWERMENT THROUGH RESIDENTIAL LIVING SPACES?

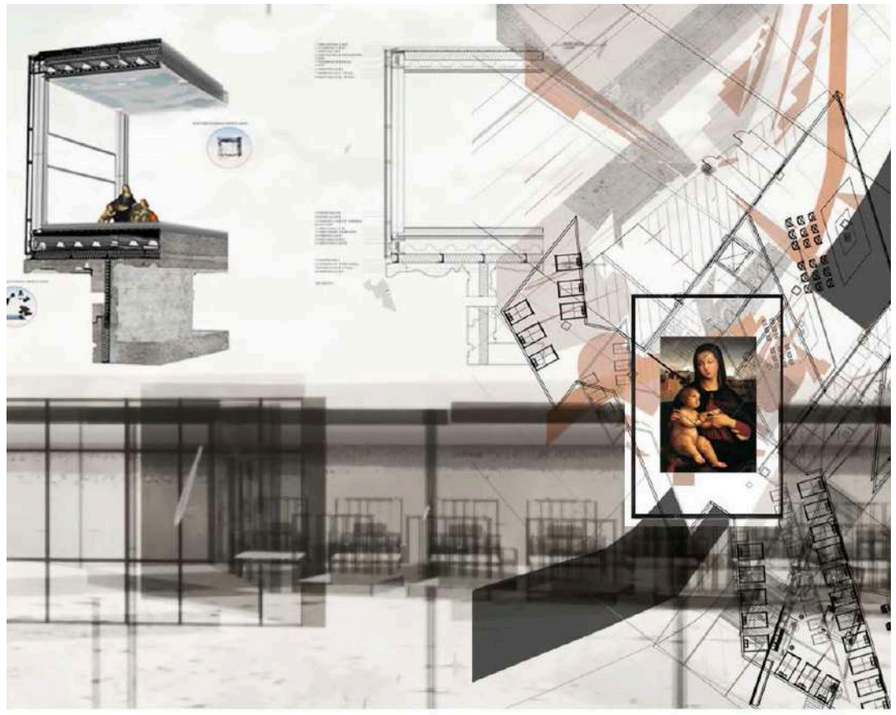
Software: Rhino,Vectorworks.

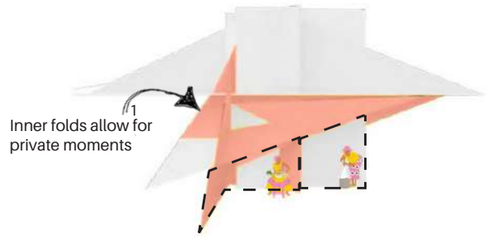
Following the studio topic that revolved around social issues my project narrative was to create spaces that boldly highlight the issues women face in society through Architecture.

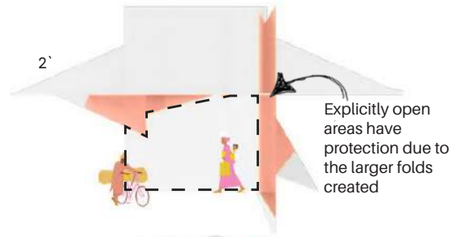
3. Second Floor Garden Of Eden

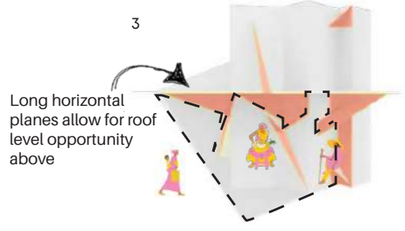
2. First Floor Bedroom Space

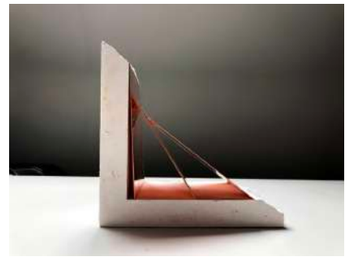
1. Ground Floor Entry











Top Left: Ground floor hybrid drawing highlighting cooking areas and dressing rooms, empowering women with life skills.

Bottom Left: First floor hybrid drawing emphasising rest areas and the internal materials.

Above Right: The materiality box includes a copper sample from the Garden of Eden space to explore how textures, colors, and smells evoke different responses through **prototyping**.

Above Left: 3D Form explorations created in Rhino & Photoshop

1. Front View
Inner folds allowing for private moments.

2. Back View
Sloped shading.
Explicitly open areas have protection due to the larger folds created.

3. Left View
Folds create inner retreats.
Long horizontal planes allow for roof level opportunity above.