



JAMIE ARNELL  
**PORTFOLIO 2023**

# About Me

Tel: (+44) 07548616187  
Email: jarnellarchitecture@gmail.com  
Instagram: @archi.jamie

I am an eager and enthusiastic individual with a passion for architecture and design and have a strong passion for continually learning every day, problem solving and pursuing new design challenges. I am academically skilled in software development, with experience working on multiple projects from mixed used new build developments to designing unique landscaping embedding the building. I recently completed my BArch bachelors in Architecture at Nottingham Trent University, designing a riverside bathhouse.

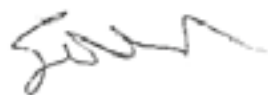
Throughout my years in architecture school, I have grown a particular artistic style as a designer. I have learnt to challenge and grown my design skills and push my limits which in turn has further cemented my interest in design as not only a dream career but also as a personal interest. My passion is specifically in sustainability, which takes heavy inspiration from recent projects such as Japanese architecture, incorporating the building with natural materials. I have used programmes academically including Revit and Archicad BIM softwares, AutoCAD, Photoshop, InDesign, Sketchup, Blender, Twinmotion, v-ray and 3D printing softwares. I have learnt spatial awareness through my interest in virtual reality (VR), being able to experience my projects in the metaverse as if one were really there. I have ambitions to continue learning and refining my skills, regularly using software development to improve on both work and personal levels.

Throughout the pandemic, difficult circumstances have amplified how important communication and key fundamental architectural knowledge is to a successful career. I always pay close attention to detail and analyse each drawing with a sharp eye. During my time at university, I enjoyed explaining to friends and family in layman terms my projects through sketches, diagrams and plans. When presenting work to my peers, I emphasised all key design alterations, clearly explaining the meaning and cause of the design through diagrams, visuals, 3D prints, VR, scaled drawing sets and detailings and listening carefully to feedback.

Shortly after graduating, I decided to embark on a gap year, taking up two temporary jobs to financially support myself whilst keeping up to date with personal development in programmes such as Revit for architecture and Blender for game design. In that time I have massively improved my skills on a social front, having worked as a bartender in hospitality and also in customer service. I also have great persuasive skills, which has partly come from selling products and earning tips in this time. I have learnt many transferable skills such as teamwork, efficiency and problem solving.

In conclusion, my ultimate goal and ambition is to work in design and I could not imagine doing anything else. I have gained a vast amount of knowledge through my years of academic work. In my undergraduate I learnt the key fundamental skills in architecture in design and using skills such as Revit, Photoshop and AutoCAD to represent my ideas. I worked as a team, producing designs, RIBA plan of work and presenting in groups. I wrote my dissertation on the 'Importance of Wellbeing in Architecture', developing my design skills alongside it. I have improved my technical skills, refining technical details and preparing in-depth analysis of the building. After all these experiences and academic achievements, I believe I am a strong and capable asset to your team and to your company.

Jamie Arnell



# Contents

## I BA Year Three Work

PARADIGM SHIFT PROJECT  
MIND, BODY & EARTH PROJECT  
RITUAL PROJECT

## II BA Year Two Work

SITES OF HYBRIDITY PROJECT

## III BA Year One Work

SECTION  
3D MODEL  
STRUCTURAL SOLUTIONS





REAR VIEW WITH TIMBER LOUVERS AND WALKWAY



ENTRY LEVEL JJIMJILBANG AREA WITH PARAMETRIC ROOF

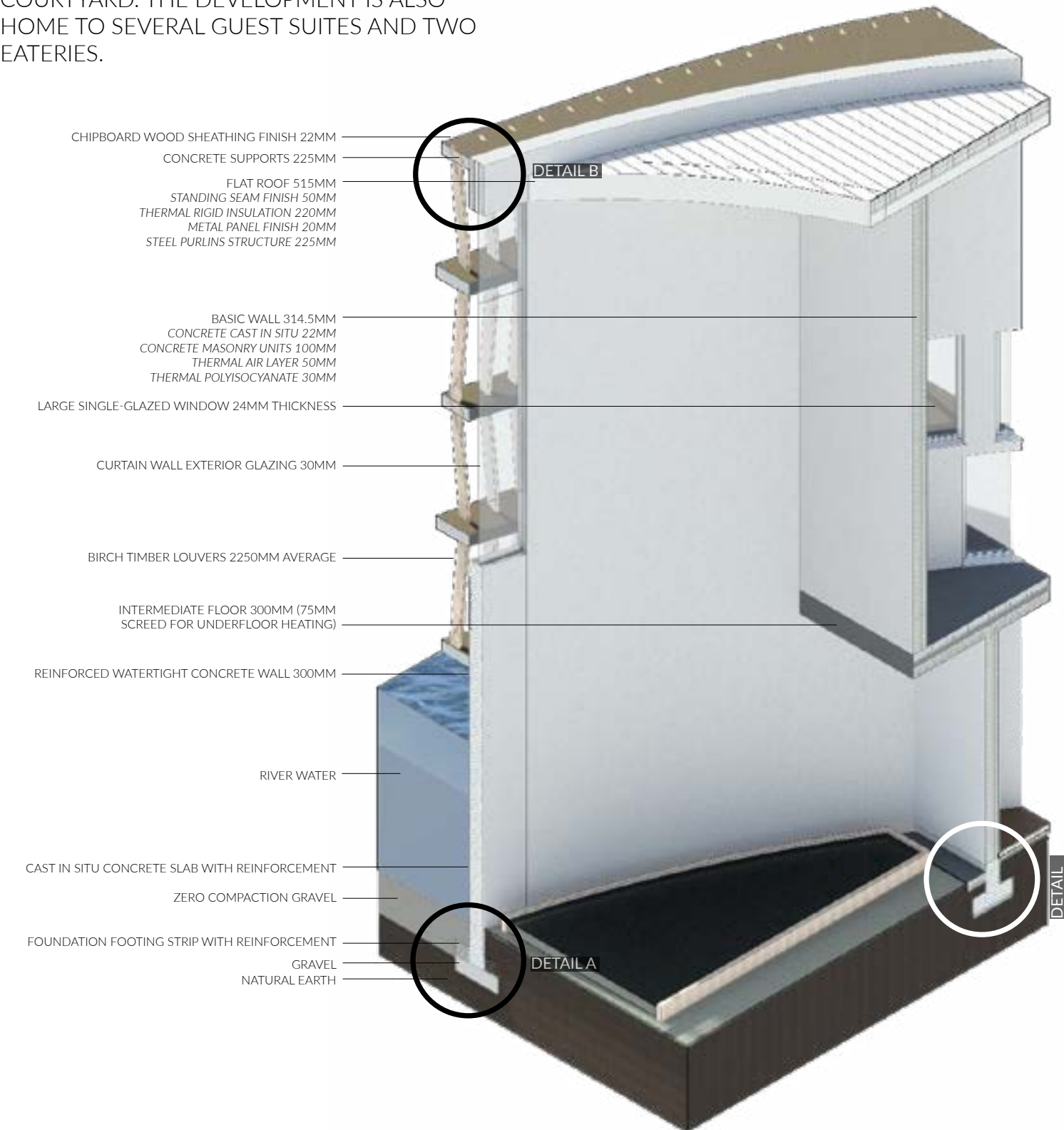


SOUTH-FACING BATHHOUSE OUTDOOR SPACE, BENEATH WATER LEVEL

SENTŌ BATHHOUSE IS A COMPLEX BASED IN NOTTINGHAM, HEAVILY INSPIRED BY KOREAN AND JAPANESE ARCHITECTURAL AND CULTURAL INFLUENCES.

THE THEME 'PARADIGM SHIFT' ORIGINATES FROM THE JOURNEY DOWN THE CANAL TO GET TO THE SITE, WITH EACH SECTION ENCOMPASSING ITS OWN 'SHIFT' AND ATMOSPHERE. 3D PRINTS WERE MADE TO REPRESENT EACH OF THESE AREAS.

IN A TWIST, THE BATHHOUSE IS LOCATED BELOW WATER LEVEL, FEATURING A HIDDEN COURTYARD. THE DEVELOPMENT IS ALSO HOME TO SEVERAL GUEST SUITES AND TWO EATERIES.

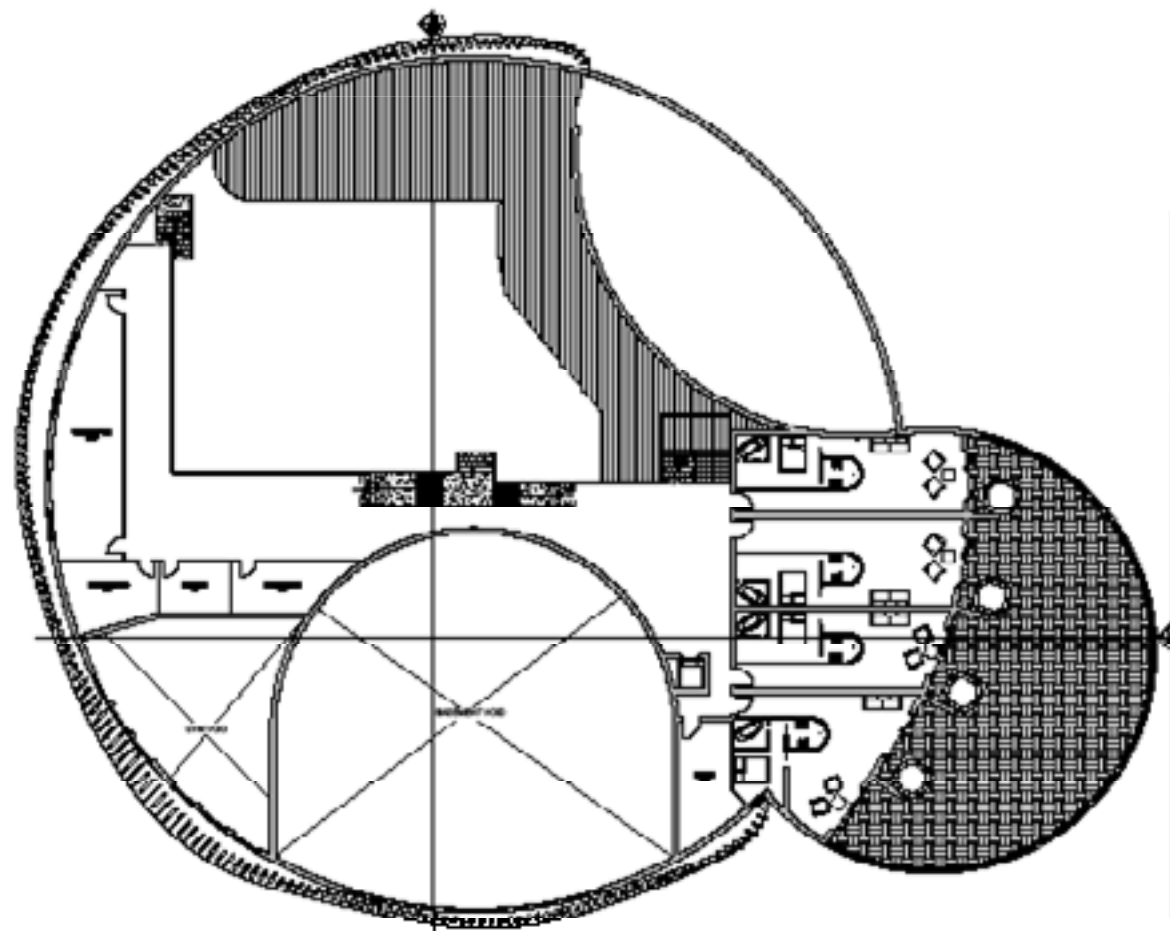


## Section AA

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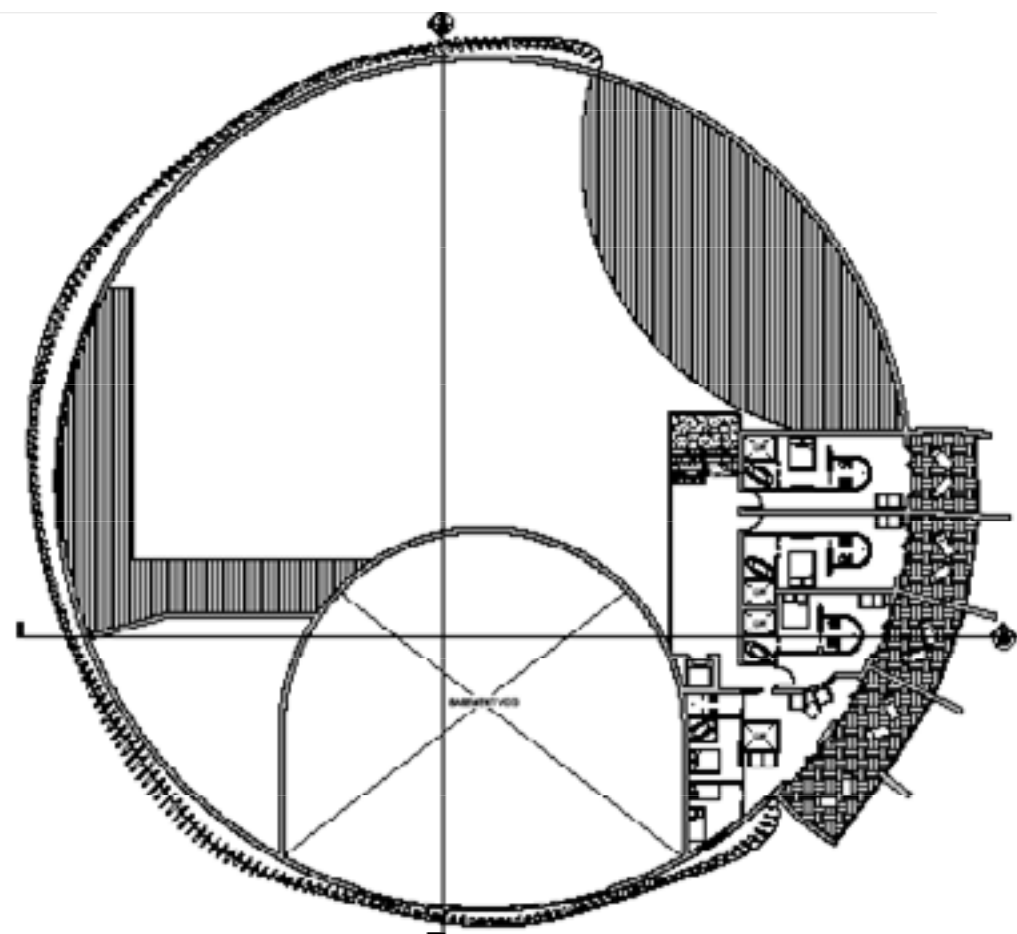






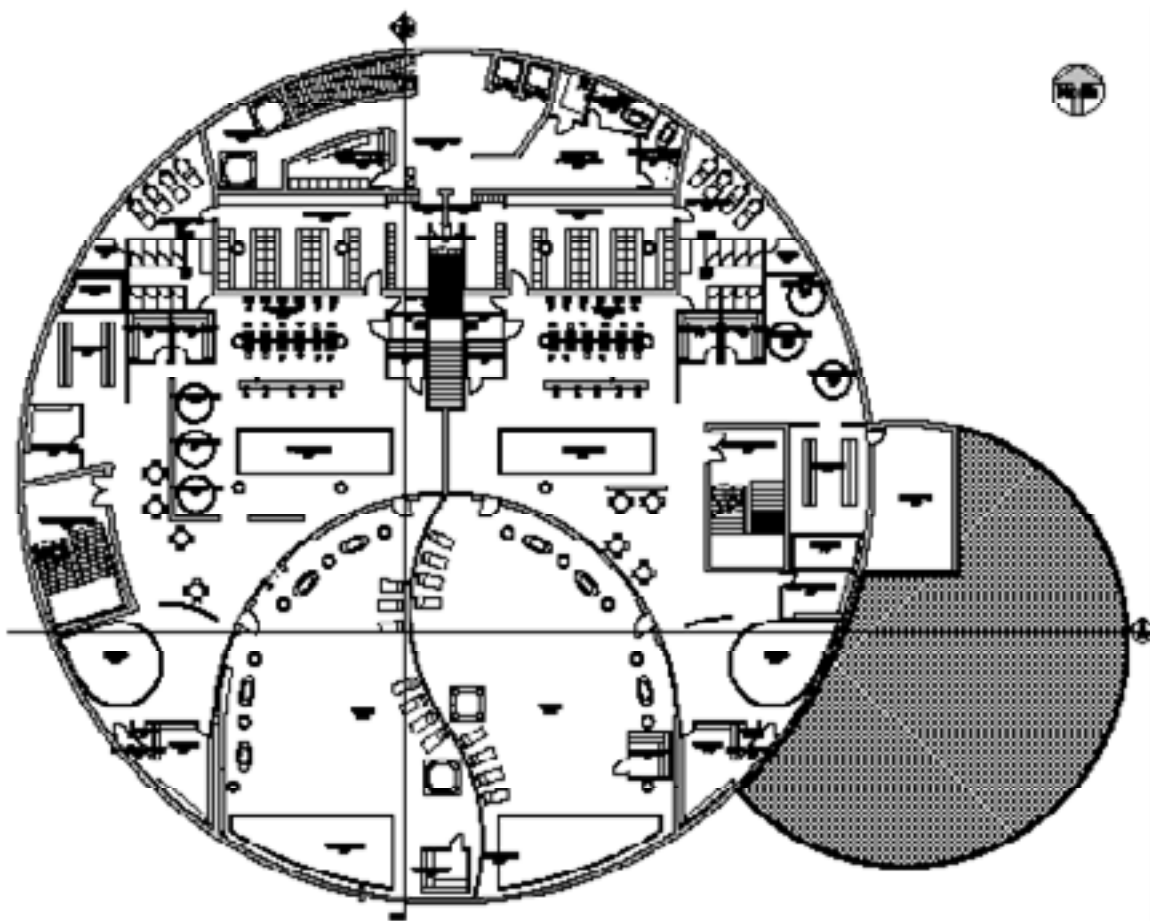
**01 F Mezzanine + Suites**

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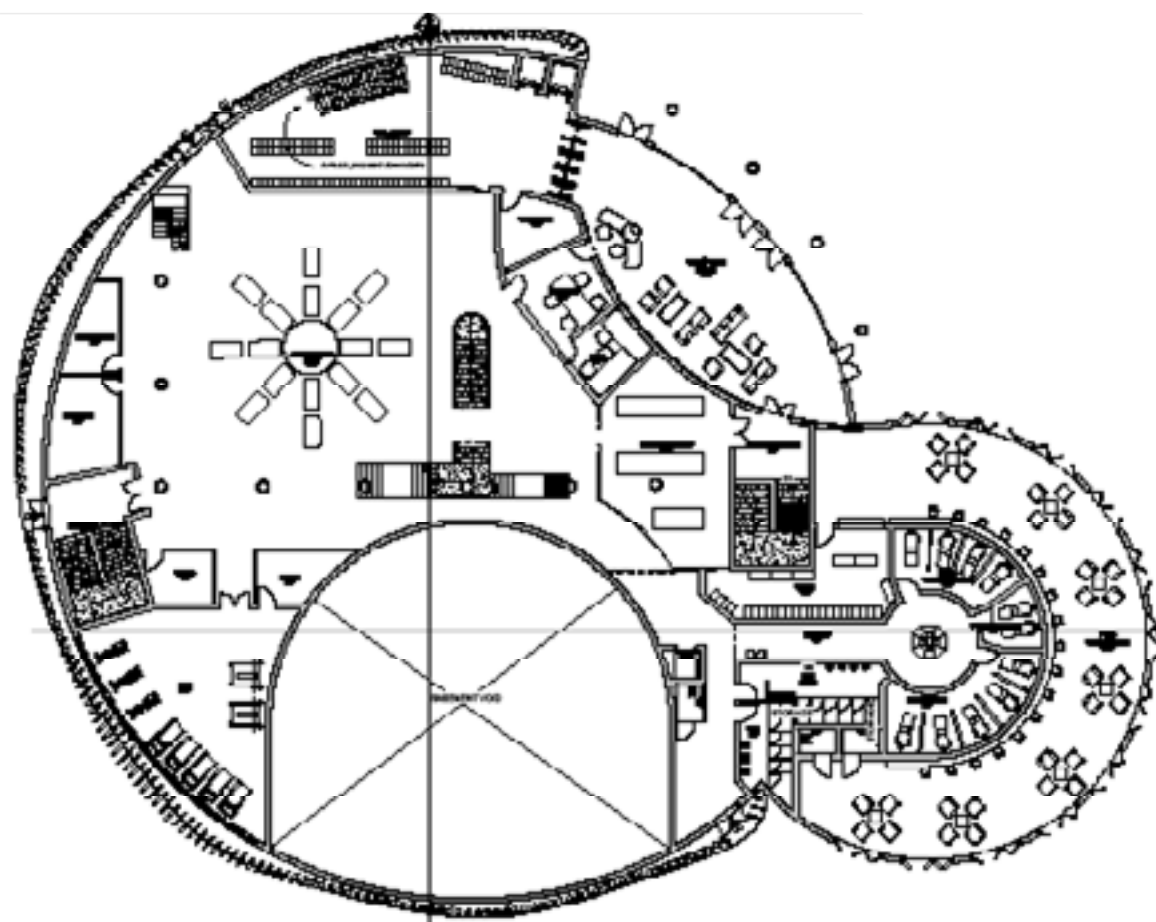
**02 F Suites**

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**-01 F Bathhouse**

Not to Scale



**00 F Entry + Jjimjilbang**

Not to Scale

PARADIGM SHIFT WAS INSPIRED BY THE JOURNEY TO THE SITE FOR THE FIRST TIME. THE CANAL WALK BETWEEN NOTTINGHAM CITY CENTRE AND THE VICTORIA EMBANKMENT SITE. EACH AREA ALONG THE WAY HAD ITS OWN DISTINCTIVE CHARACTER. I SOUGHT TO TRANSLATE EACH OF THOSE INTO SIX UNIQUE ARCHITECTURAL CONCEPTS WHICH LATER WERE ECHOED IN THE BUILDING PROPOSAL.

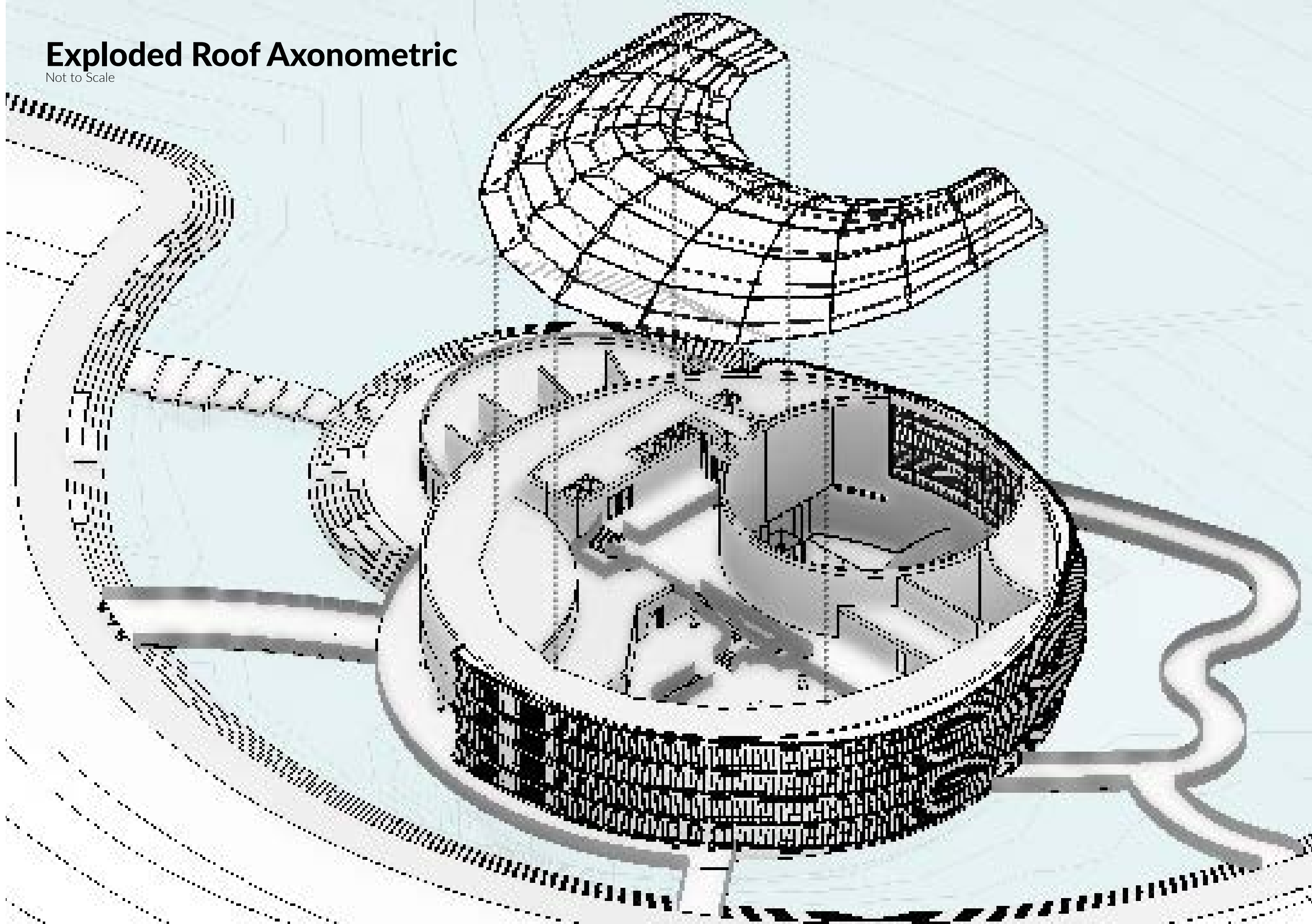
THE PROJECT BRIEF BY GABOR, MY TUTOR THIS YEAR, SPECIFIED A BATHHOUSE WITH EMPHASIS ON PHENOMENOLOGY, MATERIALITY AND DETAIL. IMMEDIATELY I STARTED TO LOOK BACK ON REAL LIFE EXAMPLES I HAD BEEN TO, PARTICULARLY THE ONSENS OF JAPAN AND THE JJIMJILBANGS OF KOREA. JAPANESE ARCHITECTURE PLACES ON PROMINENCE ON NATURAL MATERIALS SUCH AS TIMBER, STONE OR GREENERY. I TOOK THIS INSPIRATION AND MERGED IT WITH THE LOCAL CHARACTER OF NOTTINGHAM – BULLWELL STONE, LONDON PLANE TREES AND THE ICONIC SANDSTONE CAVES.

AS FOR MY EXPERIENCES IN KOREA, I WAS PARTICULARLY KEEN TO INCLUDE AROMATHERAPY AND SKIN SCRUB ROOMS WHICH WERE KEY TO THEIR BATHHOUSES. SOME OF THESE INCLUDE – ICE ROOMS, CHARCOAL ROOMS AND OXYGEN ROOMS.

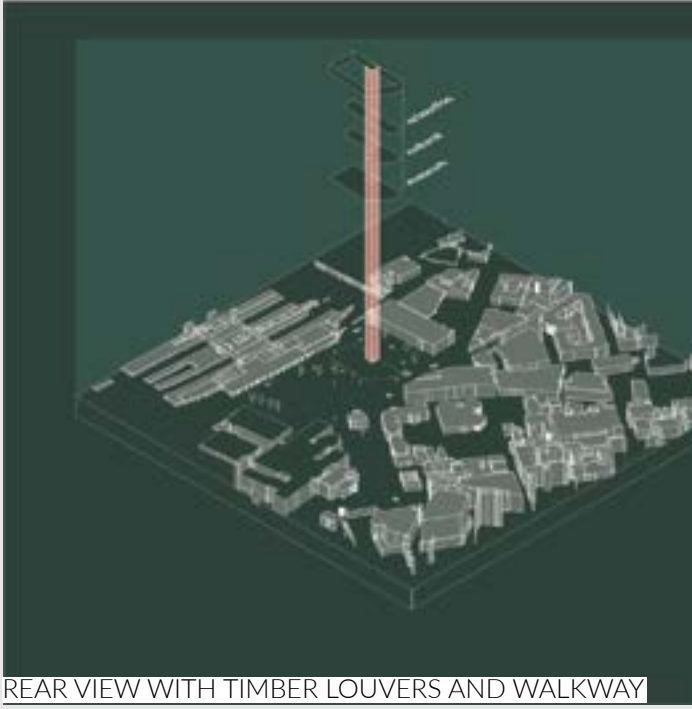
THE BUILDING ALSO TOOK INSPIRATION FROM MY DISSERTATION TITLED, “HOW CLOSELY LINKED ARE MENTAL HEALTH AND WELLBEING WITH ARCHITECTURAL ATMOSPHERES, WITHIN MINDFUL RETREAT SPACES?”.

# Exploded Roof Axonometric

Not to Scale





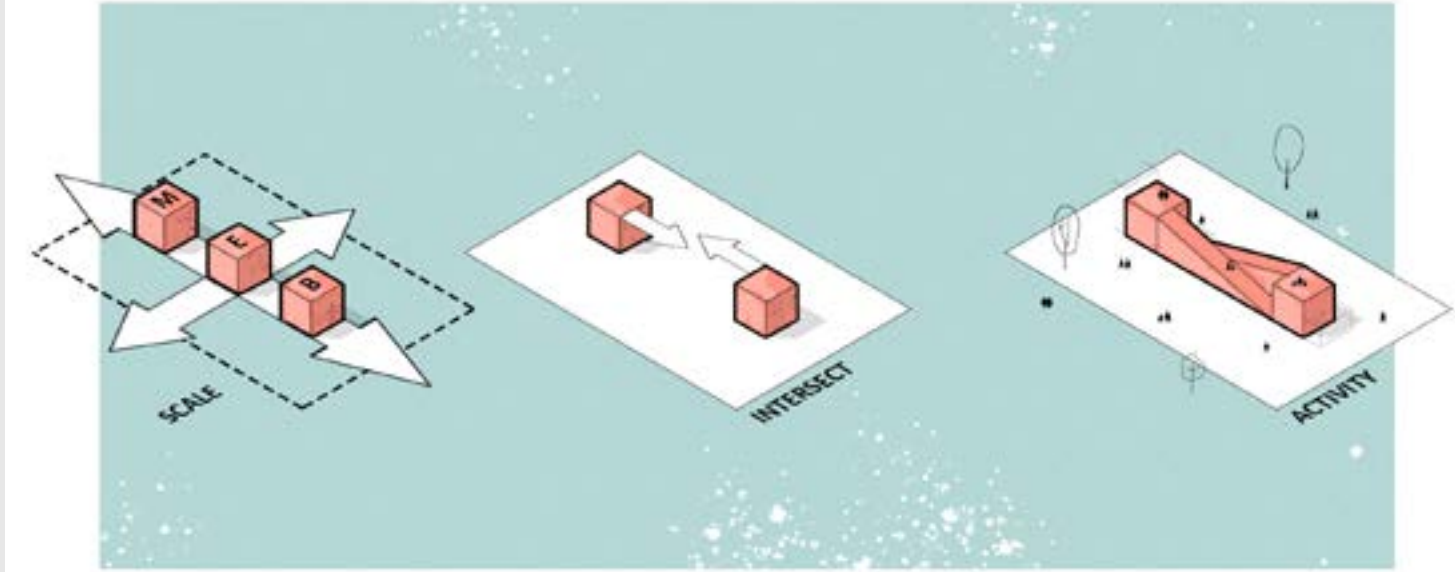
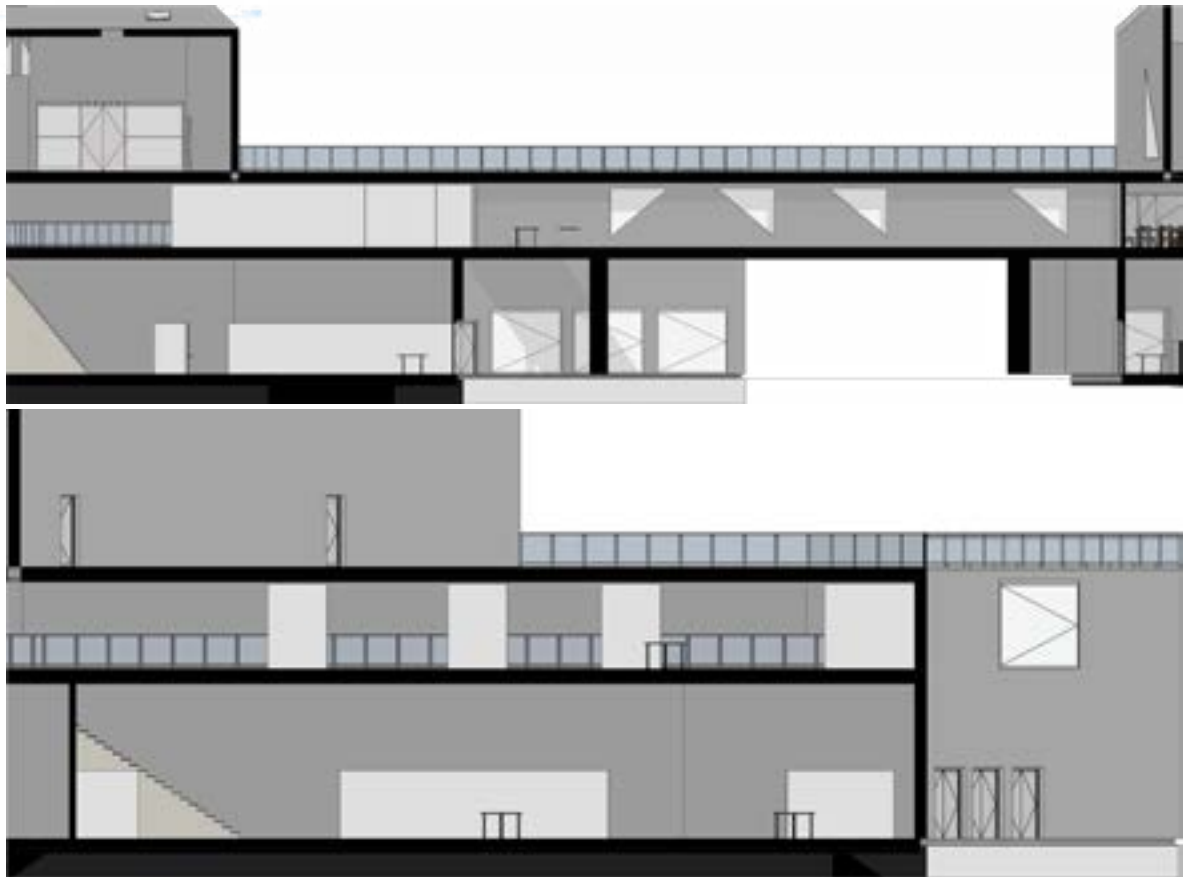
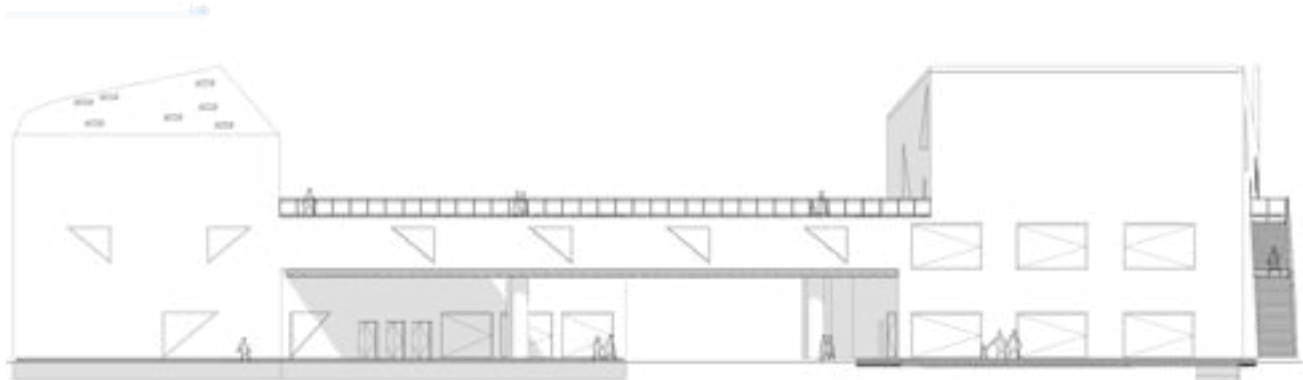
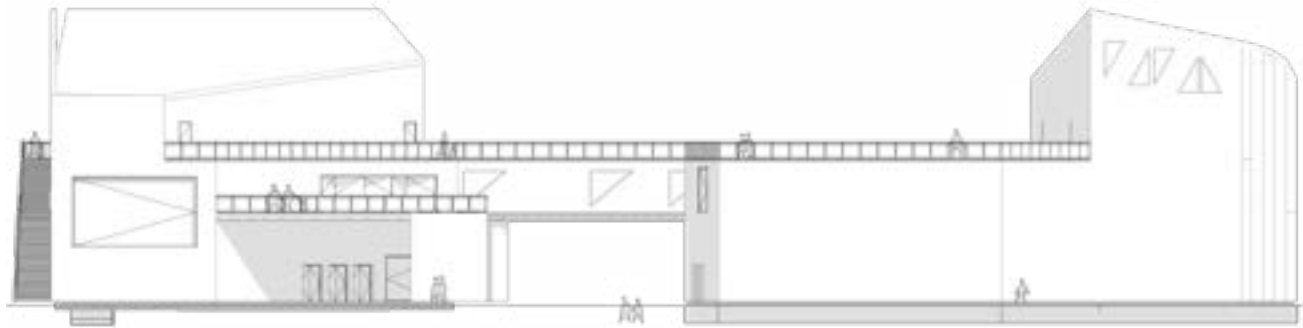


REAR VIEW WITH TIMBER LOUVERS AND WALKWAY

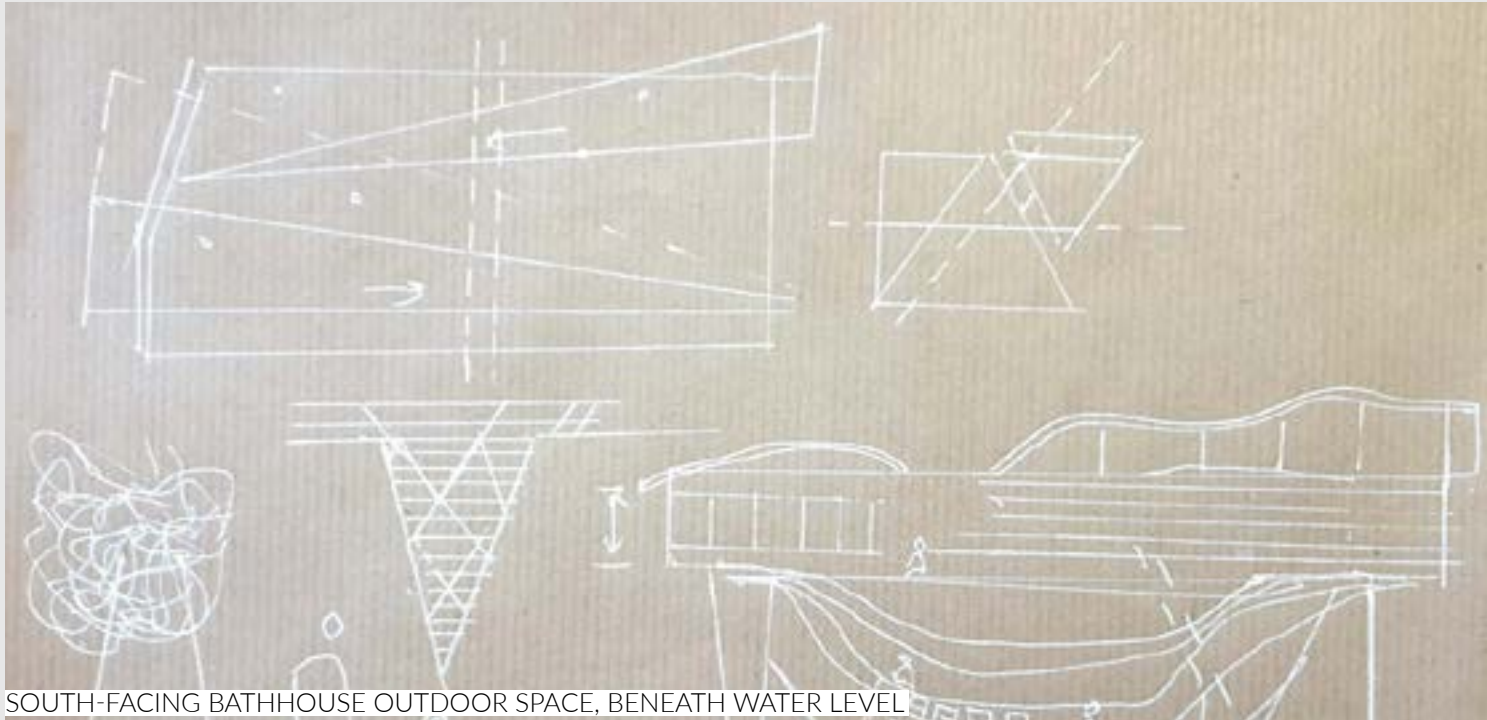


MUSEUM OF CULTURE, LOCATED ADJACENT TO SHEFFIELD TRAIN STATION, IS A PLACE THAT CELEBRATES LOCAL AND INTERNATIONAL CULTURE FROM ALL ACROSS THE WORLD.

SPACES WITHIN THE SITE ENCOURAGE VISITORS TO BECOME ONE WITH THEMSELVES THROUGH THE CONCEPTS OF MIND, BODY AND EARTH AND THE JAPANESE PHILOSOPHY OF WABI-SABI.



ENTRY LEVEL JJIMJILBANG AREA WITH PARAMETRIC ROOF



SOUTH-FACING BATHHOUSE OUTDOOR SPACE, BENEATH WATER LEVEL



01 F Mezzanine + Suites

Not to Scale



00 F Entry + Jjimjilbang

Not to Scale



-01 F Bathhouse

Not to Scale

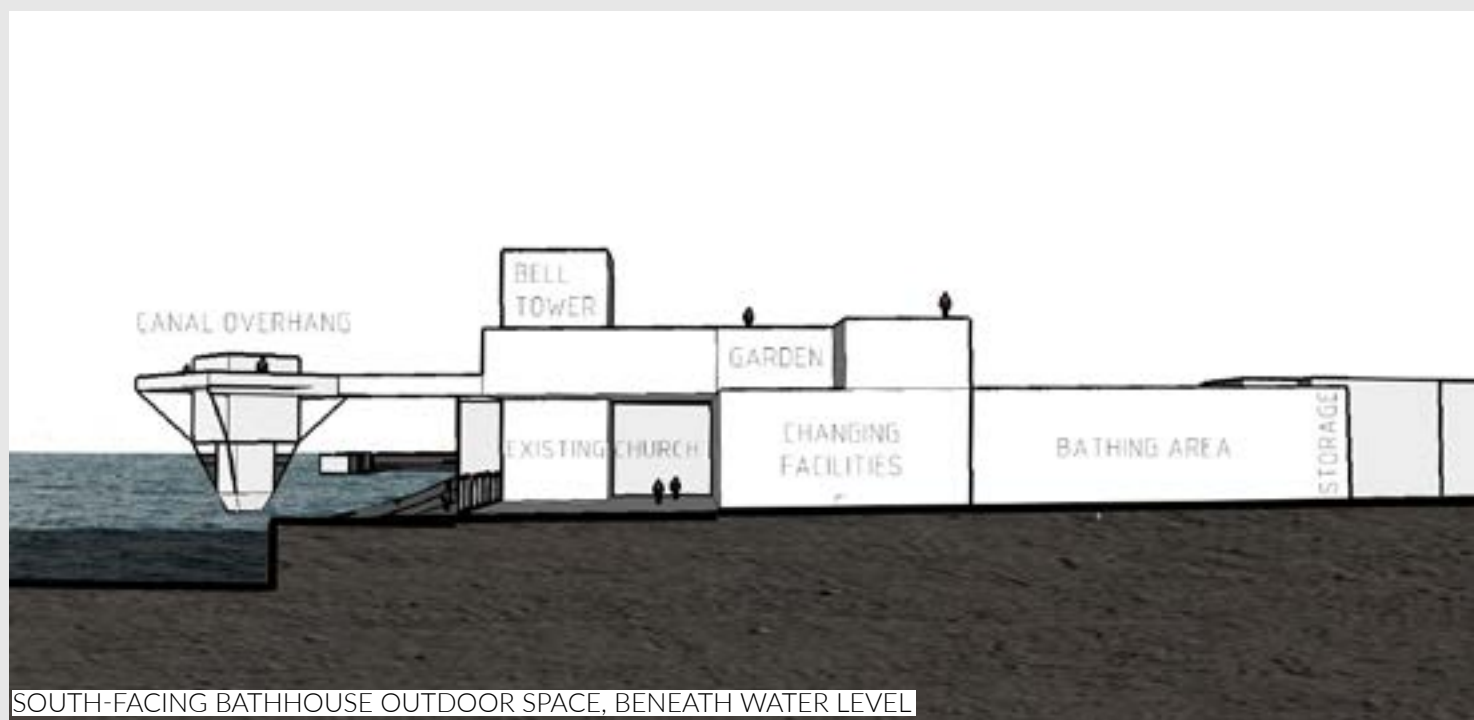




REAR VIEW WITH TIMBER LOUVERS AND WALKWAY



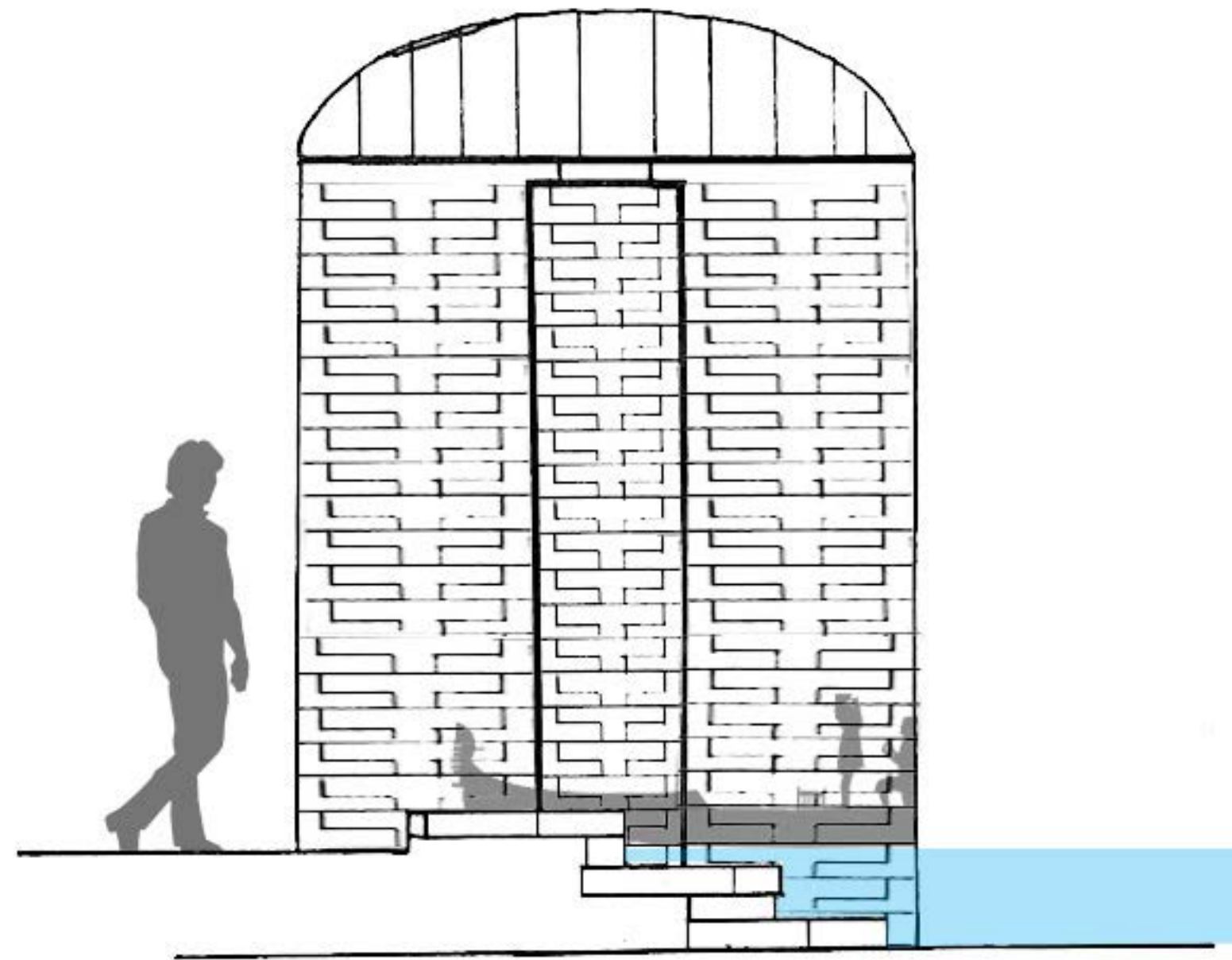
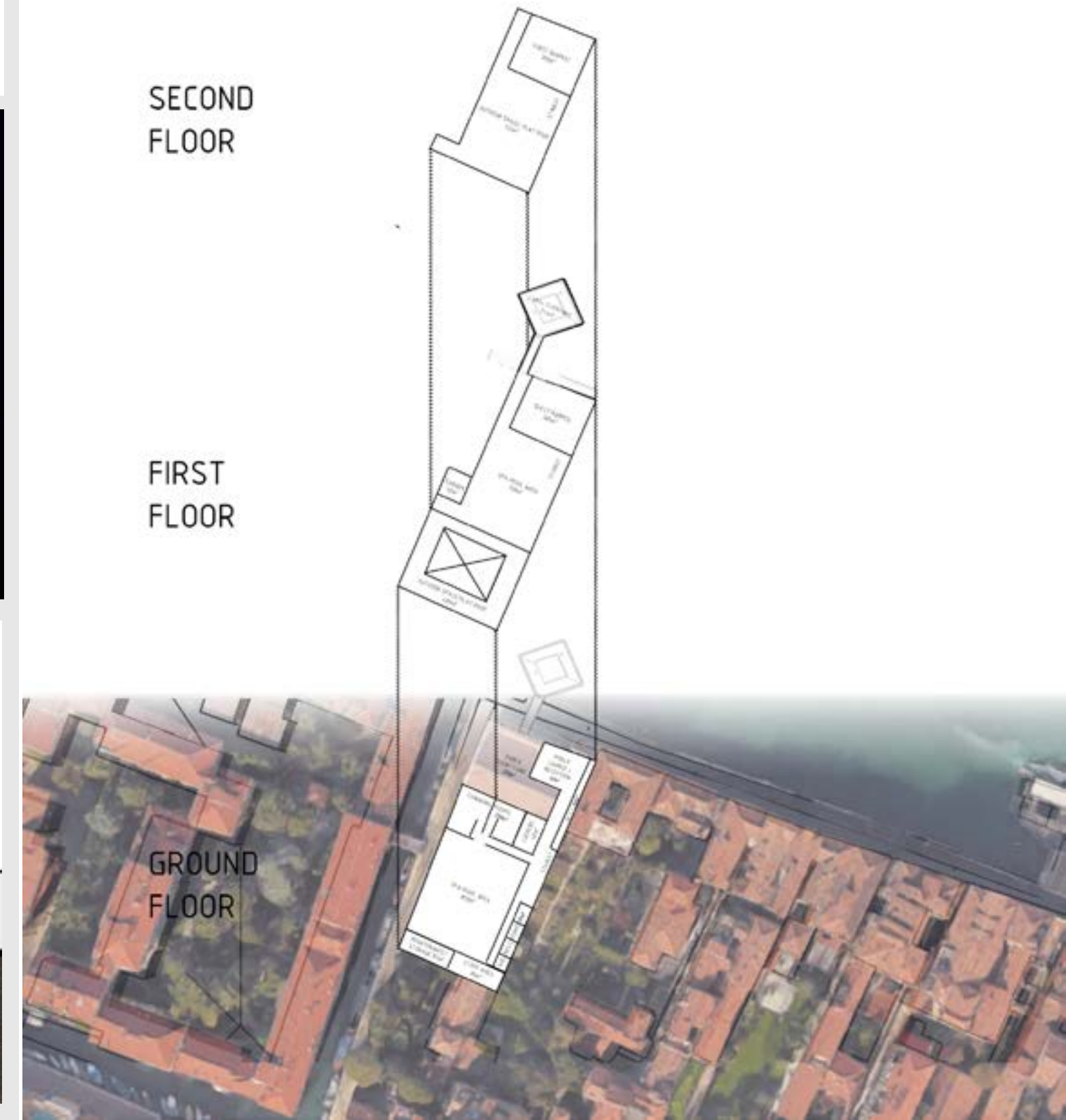
ENTRY LEVEL JJIMJILBANG AREA WITH PARAMETRIC ROOF



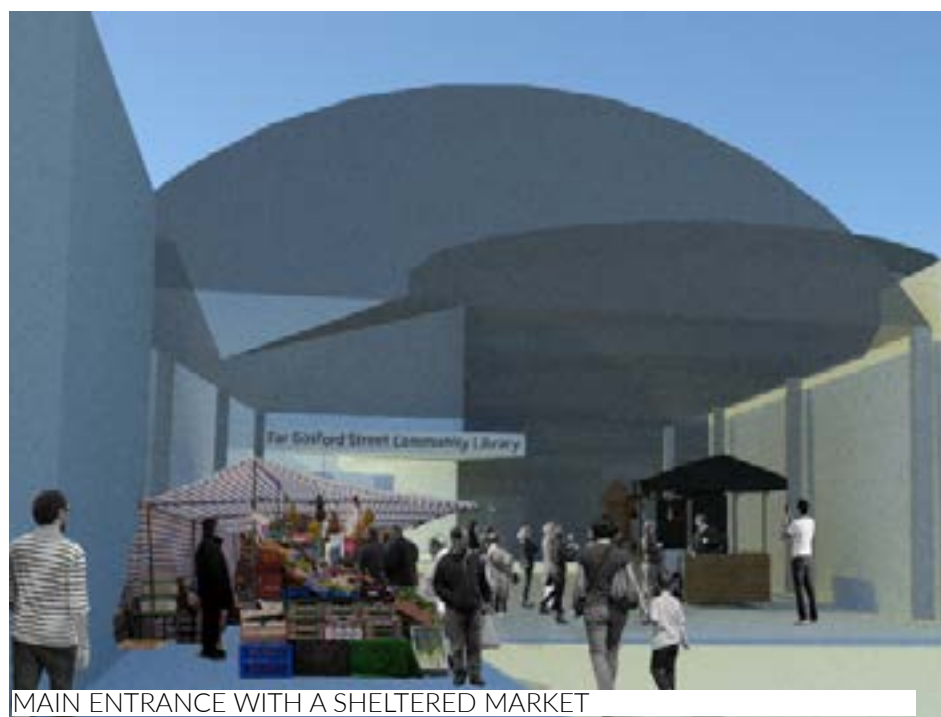
SOUTH-FACING BATHHOUSE OUTDOOR SPACE, BENEATH WATER LEVEL

RITUAL WAS DIVIDED INTO TWO HALVES: CREATING A PUBLIC SCULPTURE IN COBDEN CHAMBERS, NOTTINGHAM AND CREATING A NEW CIVIC SPACE IN AN EXISTING CHURCH IN VENICE, ITALY.

THE DESIGN AIMED TO ECHO SIMILAR CHARACTERISTICS SUCH AS VENETIAN GLASS OR GIUDECCAN BRICKWORK.







BASED OUT OF COVENTRY, THIS PROPOSAL CONSISTED OF FOUR BUILDINGS, EACH WITH DIFFERENT FUNCTIONS AND NEEDS.

THE MAIN BUILDING USED A CIRCULAR DESIGN TO HAVE A SPIRAL RAMP WITH LIBRARY BOOKS AND STUDY SPACE CONNECTIONS.

BUILDING 2 EVOLVED AROUND A CENTRAL CORRIDOR ACTING AS A 'STREET' OF ACTIVITY. THE AIM WAS FOR RETIREES AND STUDENTS TO INTERACT AND LEARN FROM EACH OTHER IN A COMMUNAL SETTING.

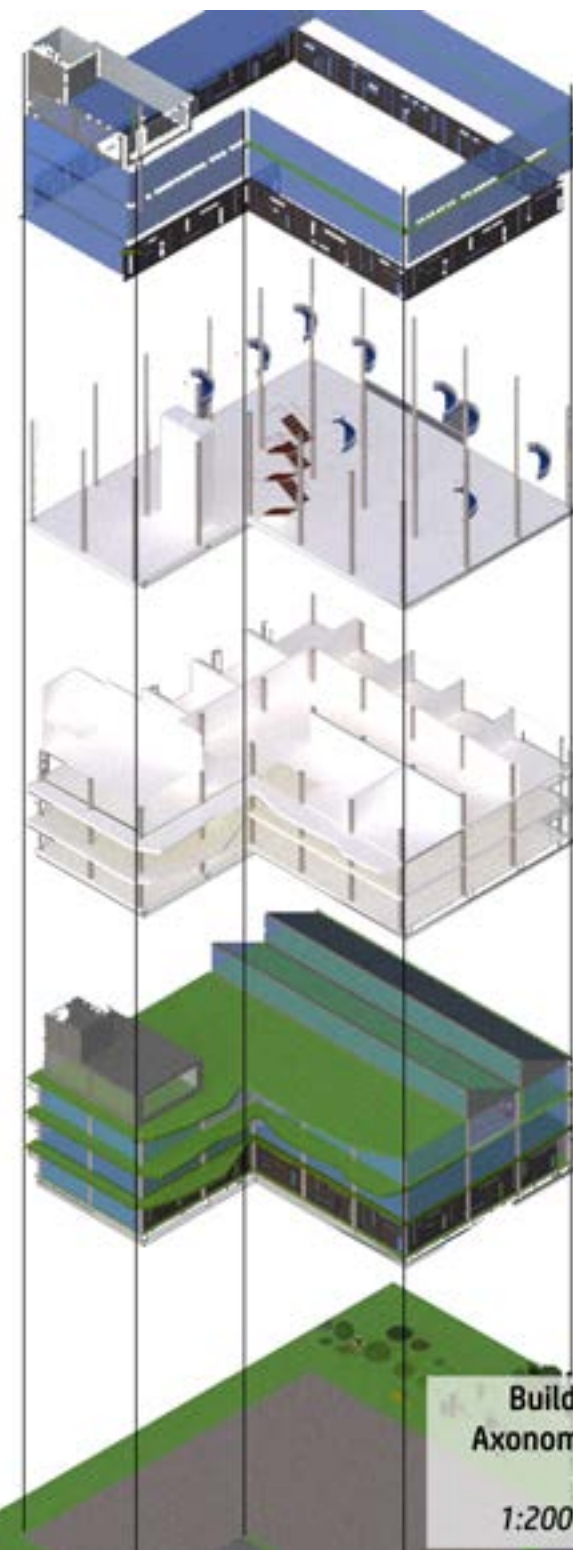
**EXTERIOR WALLS**  
Blue windows allow for plenty of light. The filtered windows on GF give a subtle light into the space, reminiscent of the New Coventry Cathedral.

**STRUCTURE**  
The structure extends ground up with pilotis for support. The lift acts as a building core.

**WALLS AND FLOORS**  
The walls are 300mm thick and provide ample sound proofing in case of noisy students. The flooring allows the grass roof above to drain.

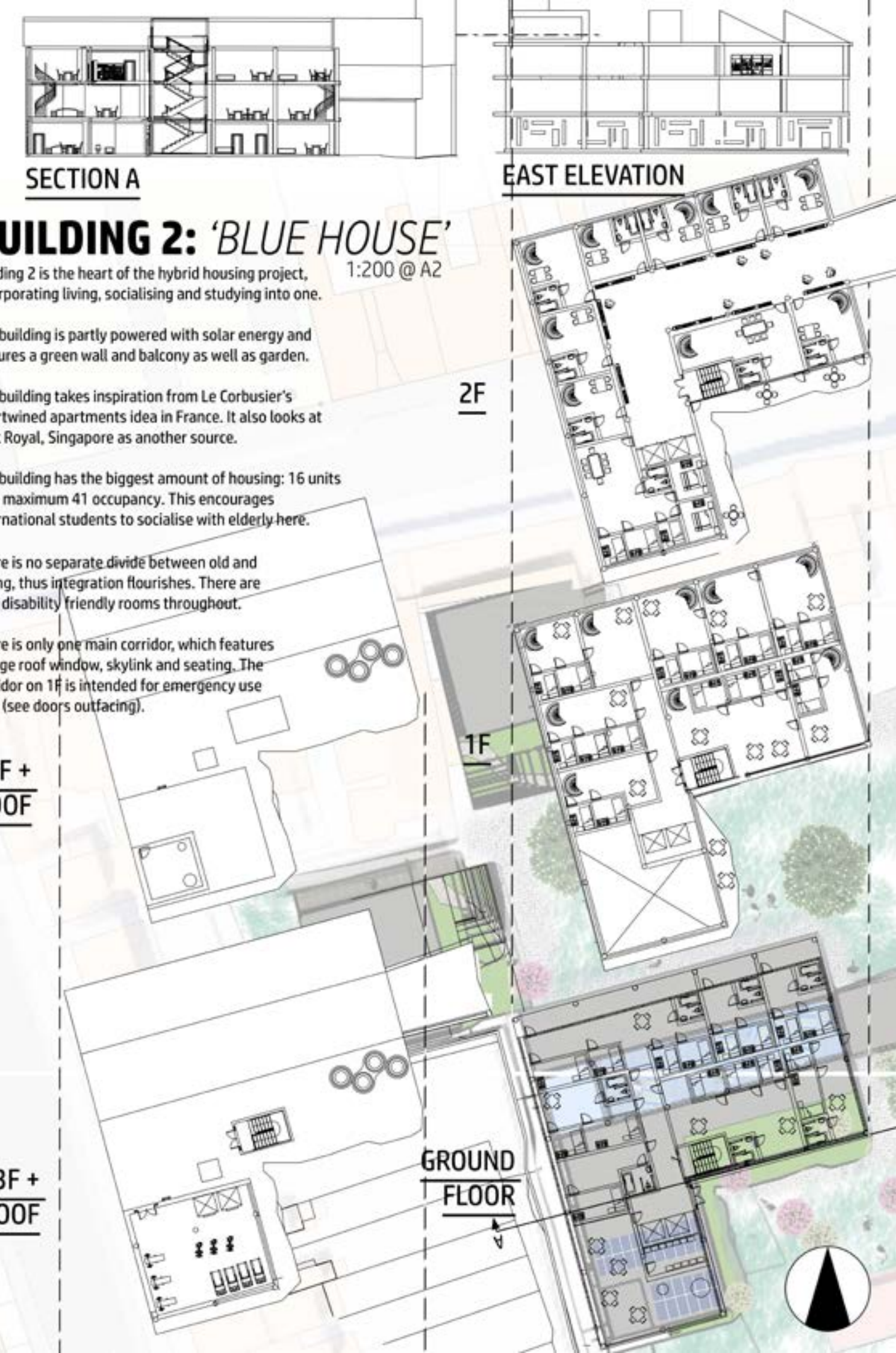
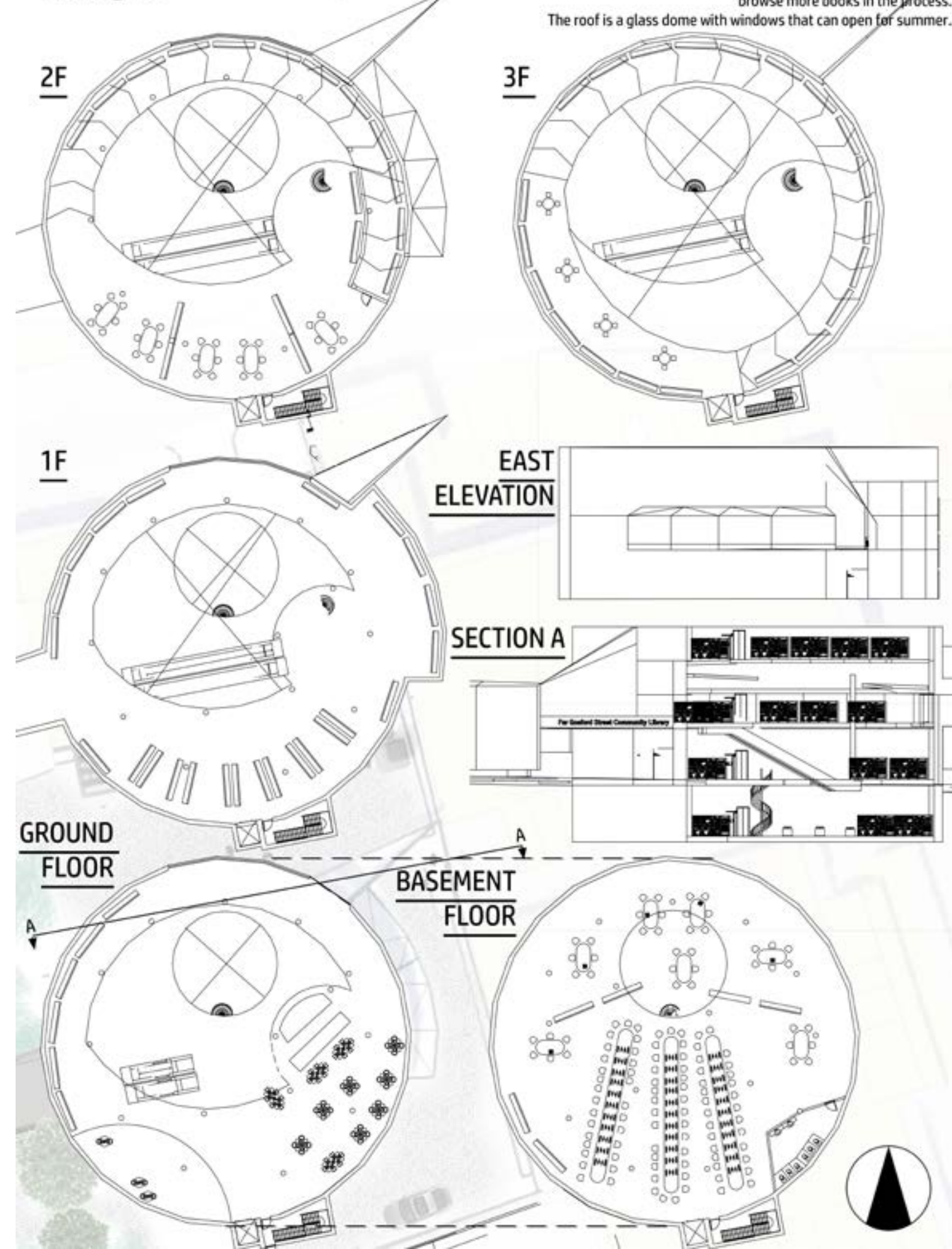
**COMPLETE STRUCTURE**  
The greenery makes the blue hue of the curtain walls to take a back seat. The structure connects to Building 1 on 2F.

**LANDSCAPE**  
The landscape provides an ideal space for residents to socialise. There is a margin of space on the far left side in case of emergency.



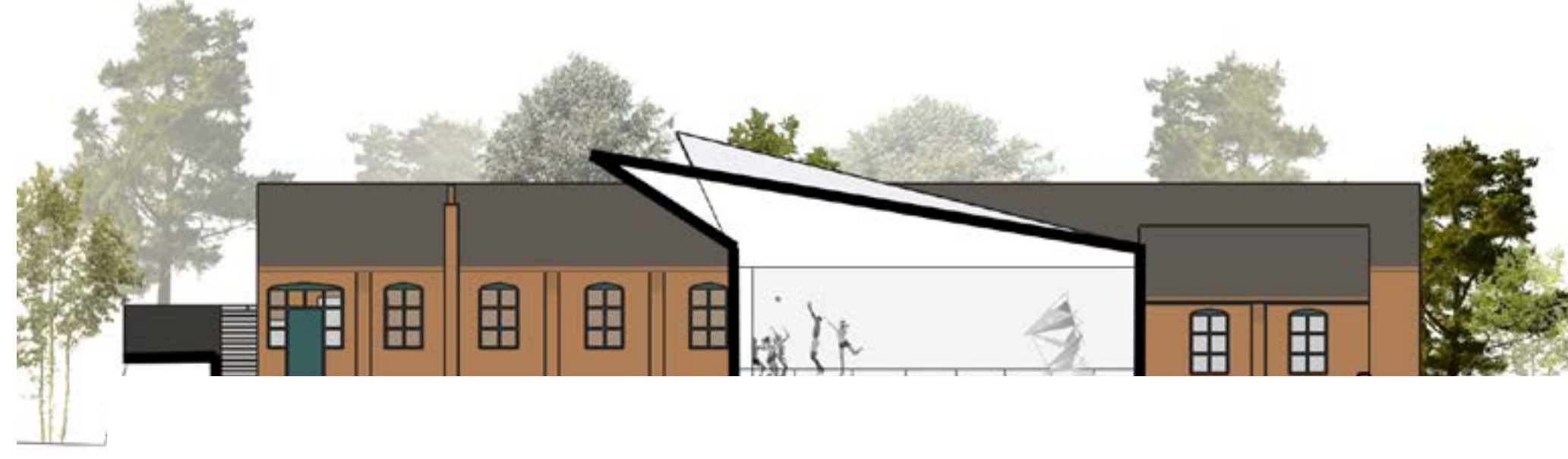
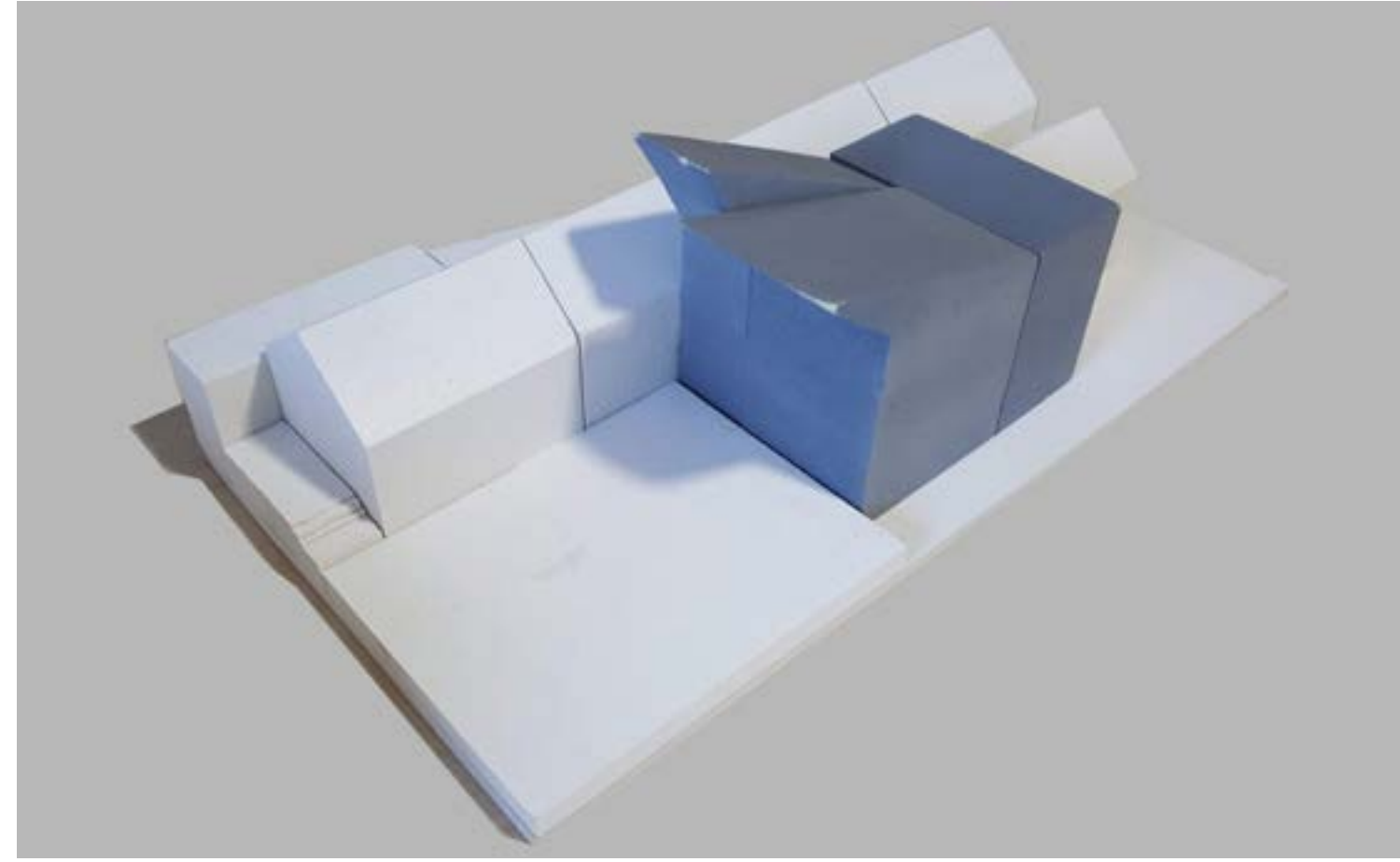
## BUILDING 1: 'MAIN'

1:200 @ A2





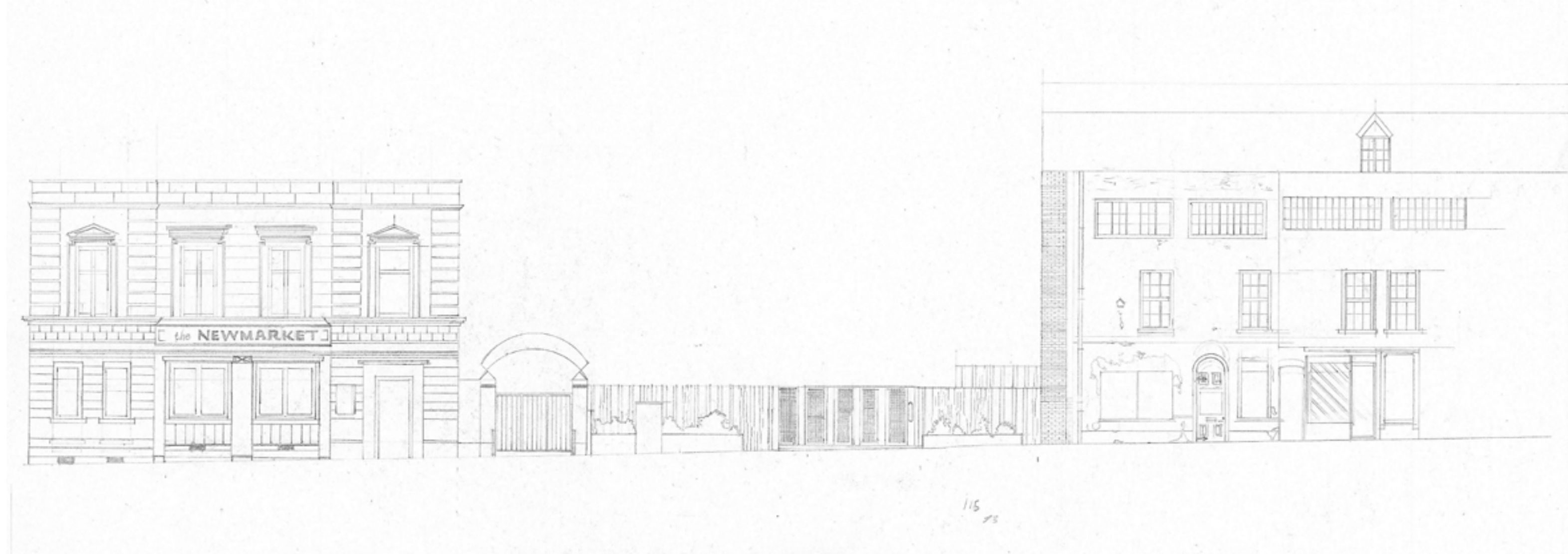
# BA 2: SITES OF INTERVENTION



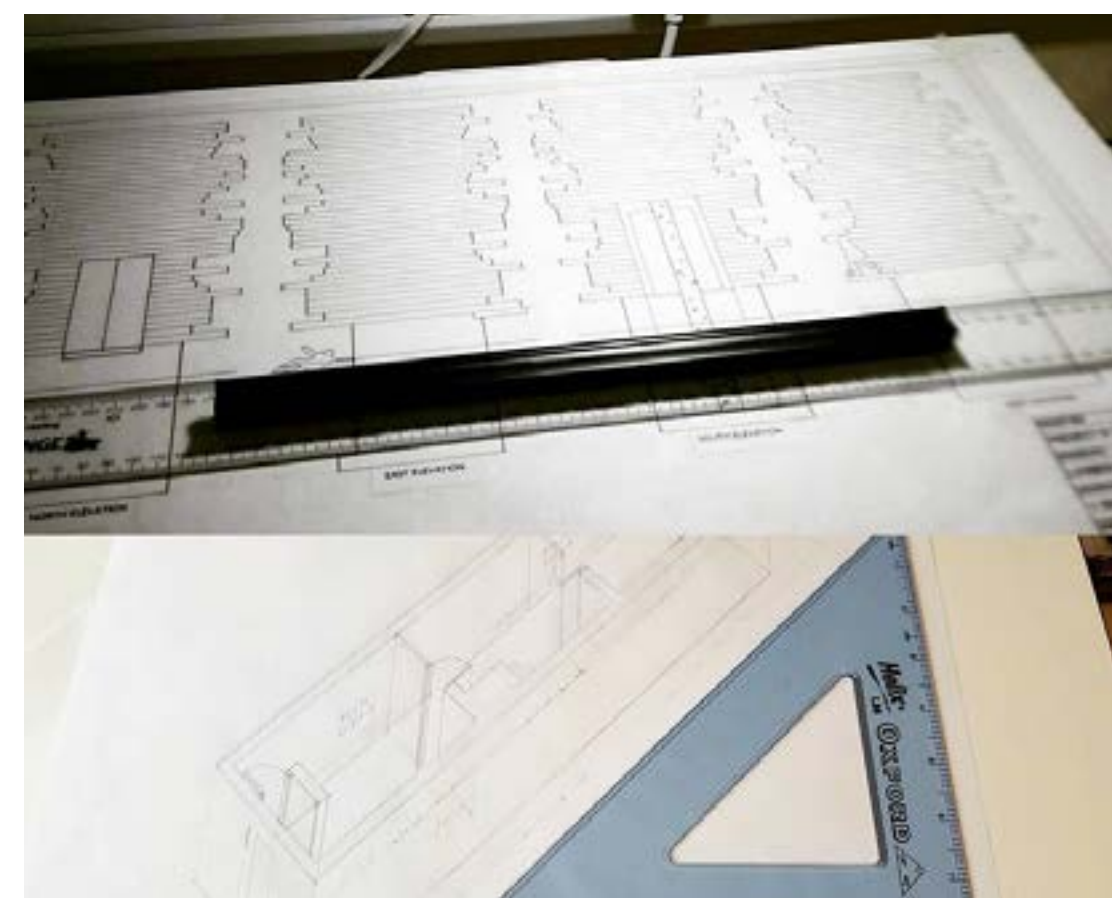
# BA 2: SITES OF TRANSFORMATION



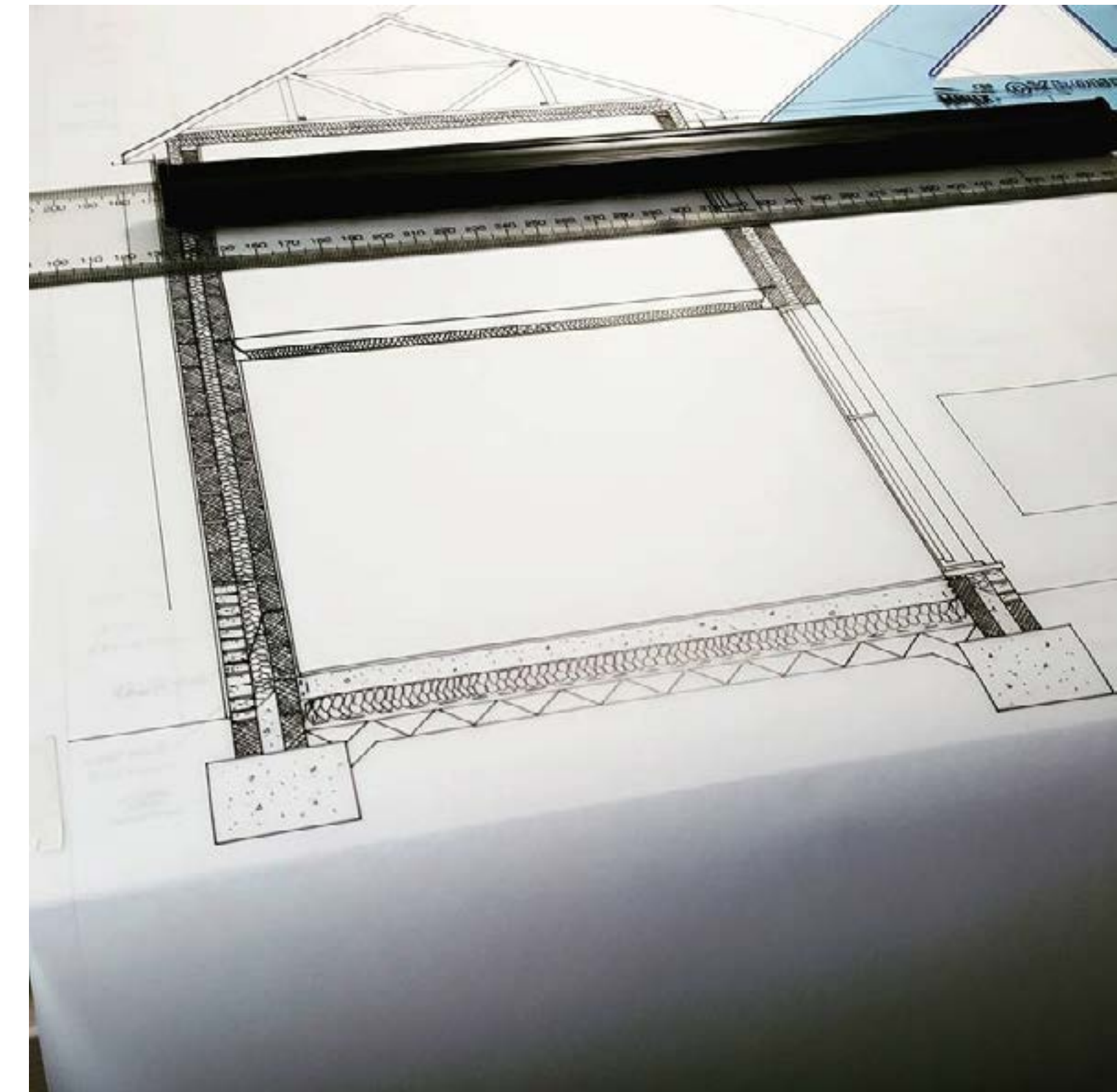




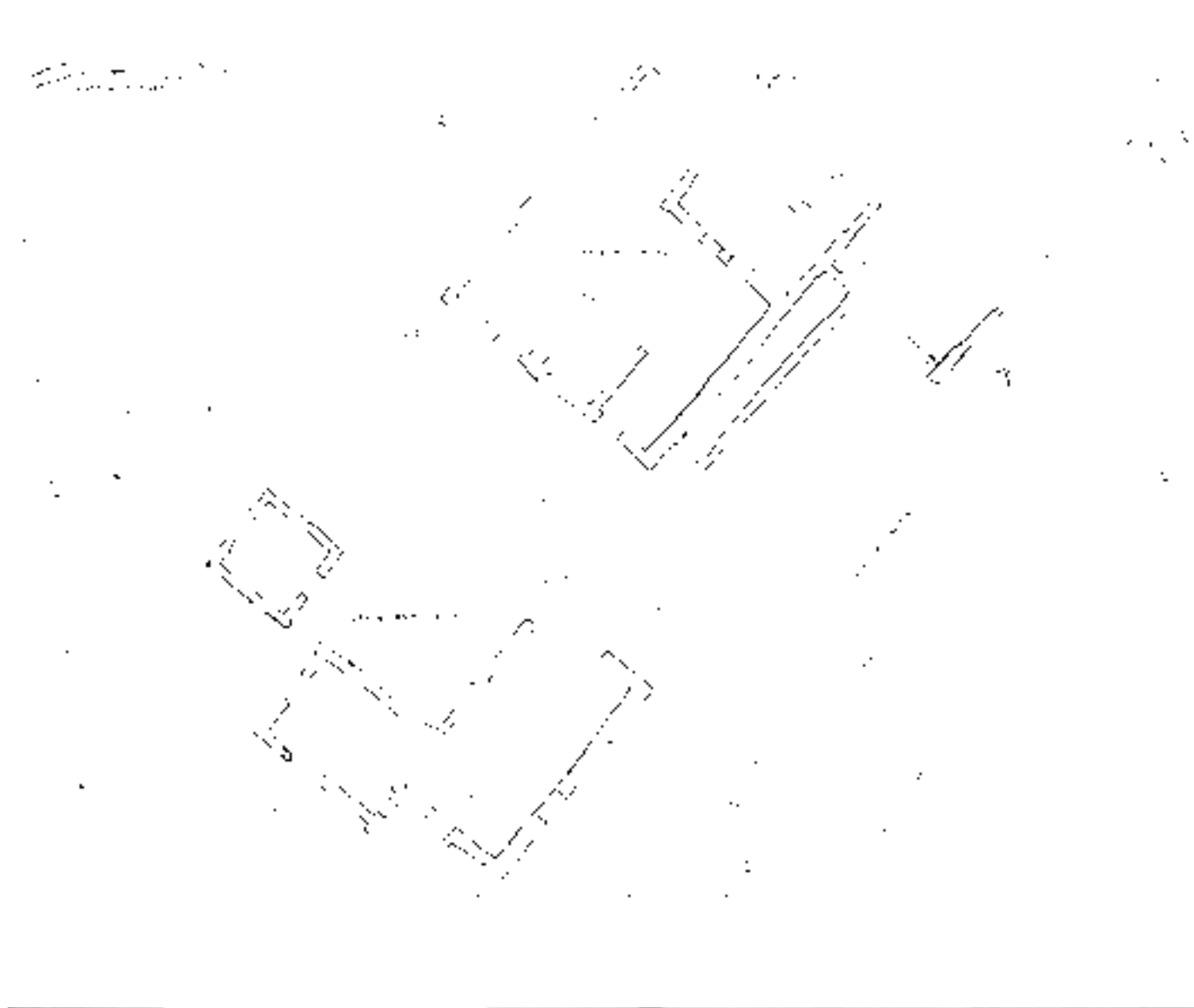
BA 1: **LIFEBOX**



BA 1: **CONSTRUCTION DRAWING**







BA 1: **AZUMA HOUSE MODEL**



BA 1: **GROWING SPACES**

