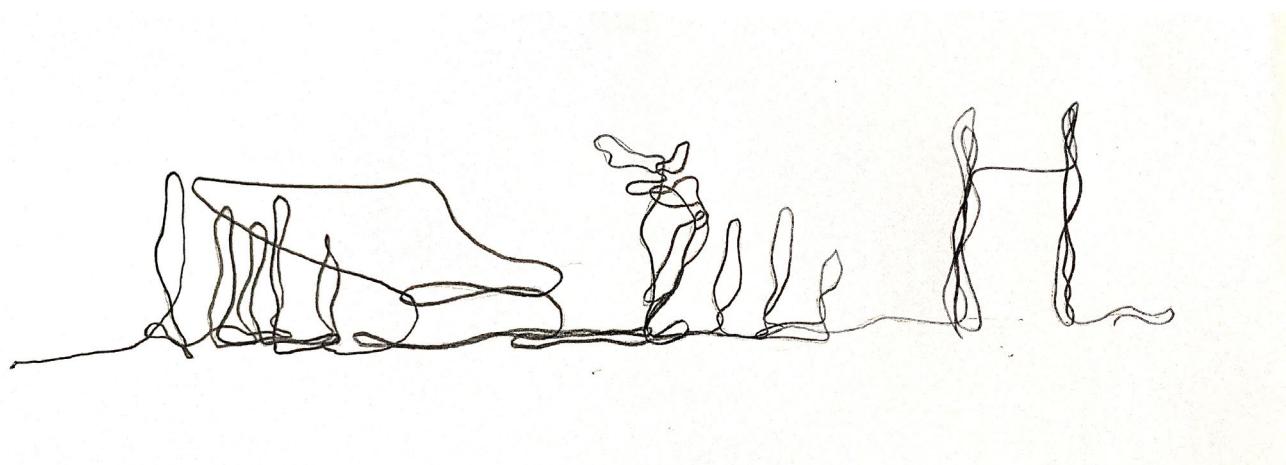


Portfolio



Thomas O'Reilly - BSc (Hons) Architecture - Part 1 - 2024

Thomas O'Reilly

Student Graduating in BSc(Hons) Architecture
(RIBA / ARB Part 1)



EMAIL tomoreilly11@gmail.com

PHONE 07922414773

LINKEDIN <https://www.linkedin.com/in/tom-o-reilly-aab1771b8/>

ABOUT ME:

Name Thomas O'Reilly

Nationality English / Irish / German

Date of Birth 23rd August 2002

Current Location Bristol, United Kingdom

EDUCATION:

University of the West of England BSc(Hons) Architecture (Part 1)
Sept 2021 - June 2024

Greater Brighton Metropolitan College Art Foundation *[Distinction]*
Sept 2020 - June 2021

BHASVIC College (A-Levels) Art *[A]*, English *[B]*, Psychology *[B]*
Sept 2018 - July 2020

SKILLS:

Languages English, German *[Fluent]*

Physical Creation Process Sketching
Technical Drawing
Model Making

Digital Creation Revit
Sketch Up
AutoCAD
Twin Motion
Photoshop
InDesign

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COMMUNAL SOCIAL HOUSING PROJECT:

Year 2, Project 2

“U-Home”

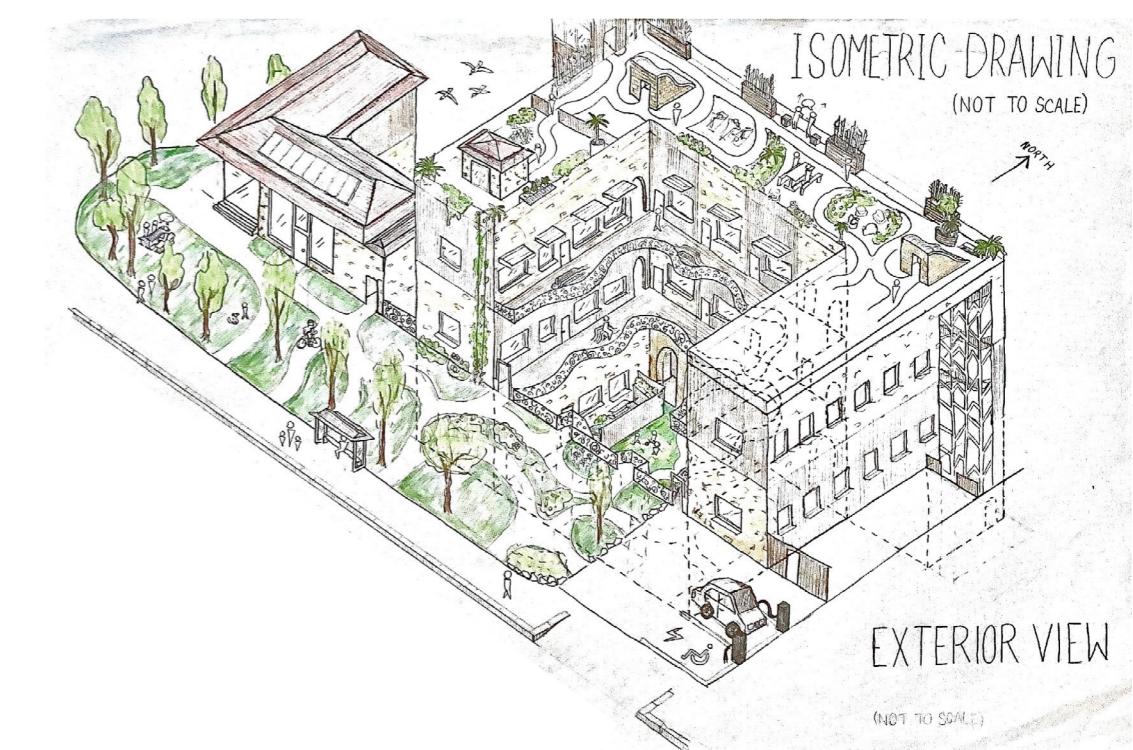
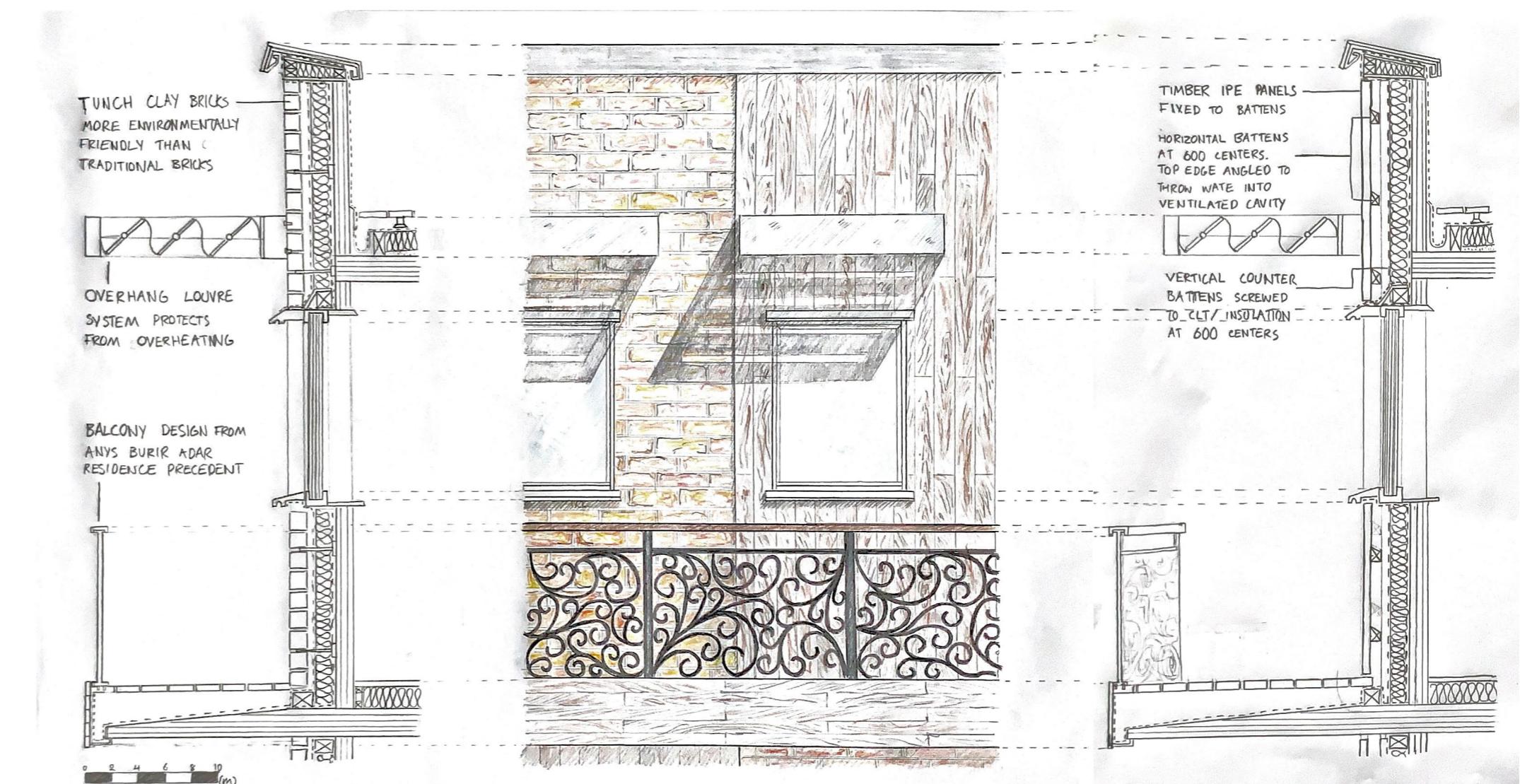
For this project, I designed a 15-unit communal living space for social need in South, Bristol.

My proposal, “U-Home”, is a CLT framed structure, clad on/off with brick and timber pannelling.

The living is focused around a central courtyard, where apartment entrances are met with curving CLT balconies and views into the communal areas.

Environmentally friendly social spaces on the roof garden, and exterior tree-strip, mediate the indoors and outdoors for the occupants and neighbours.

A community space is situated on the South-West point, offering engaging activites for locals.



1:50 SCALE SECTION

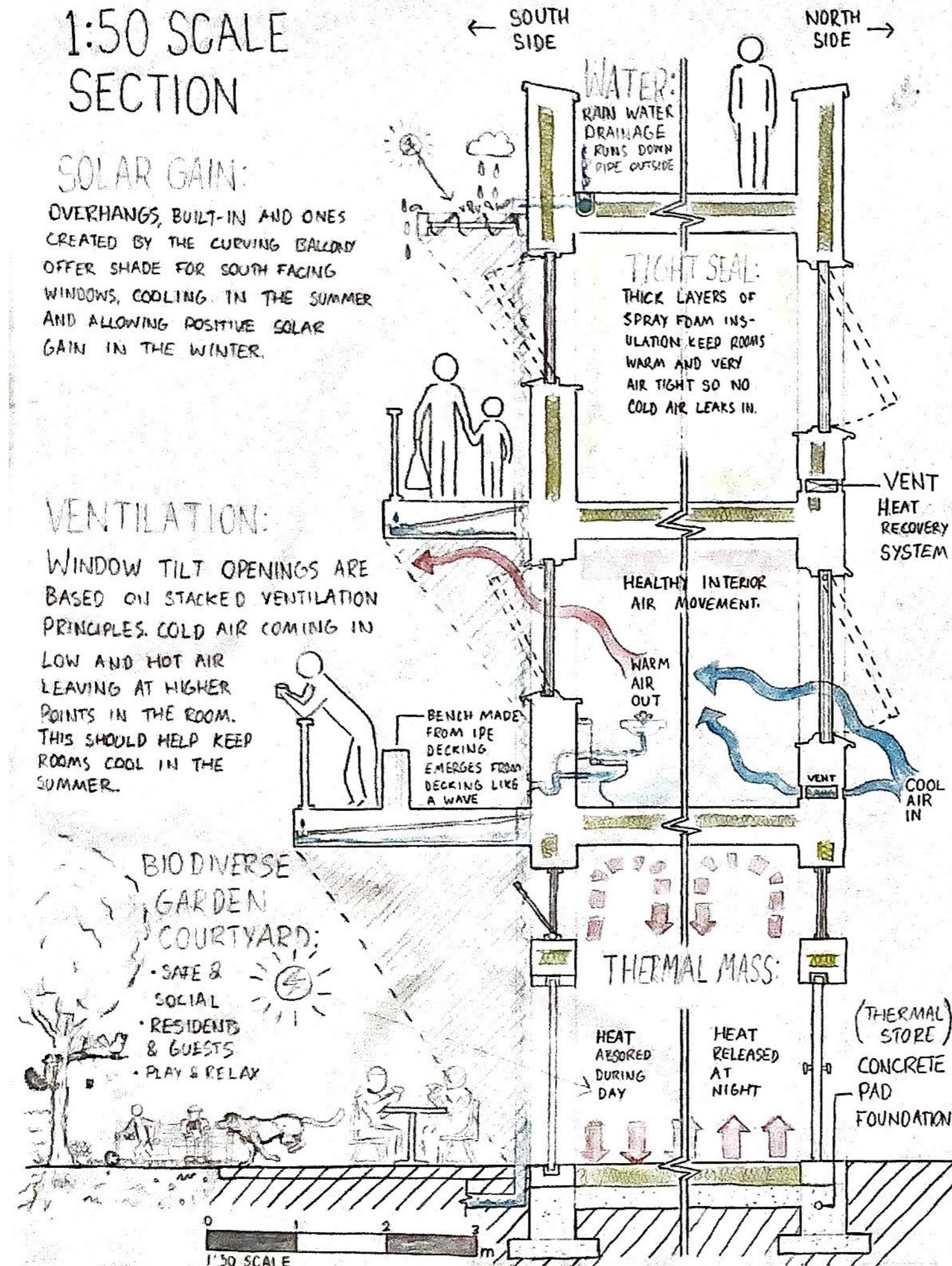
SOLAR GAIN:

OVERHANGS, BUILT-IN AND ONES CREATED BY THE CURVING BALCONY OFFER SHADE FOR SOUTH FACING WINDOWS, COOLING IN THE SUMMER AND ALLOWING POSITIVE SOLAR GAIN IN THE WINTER.

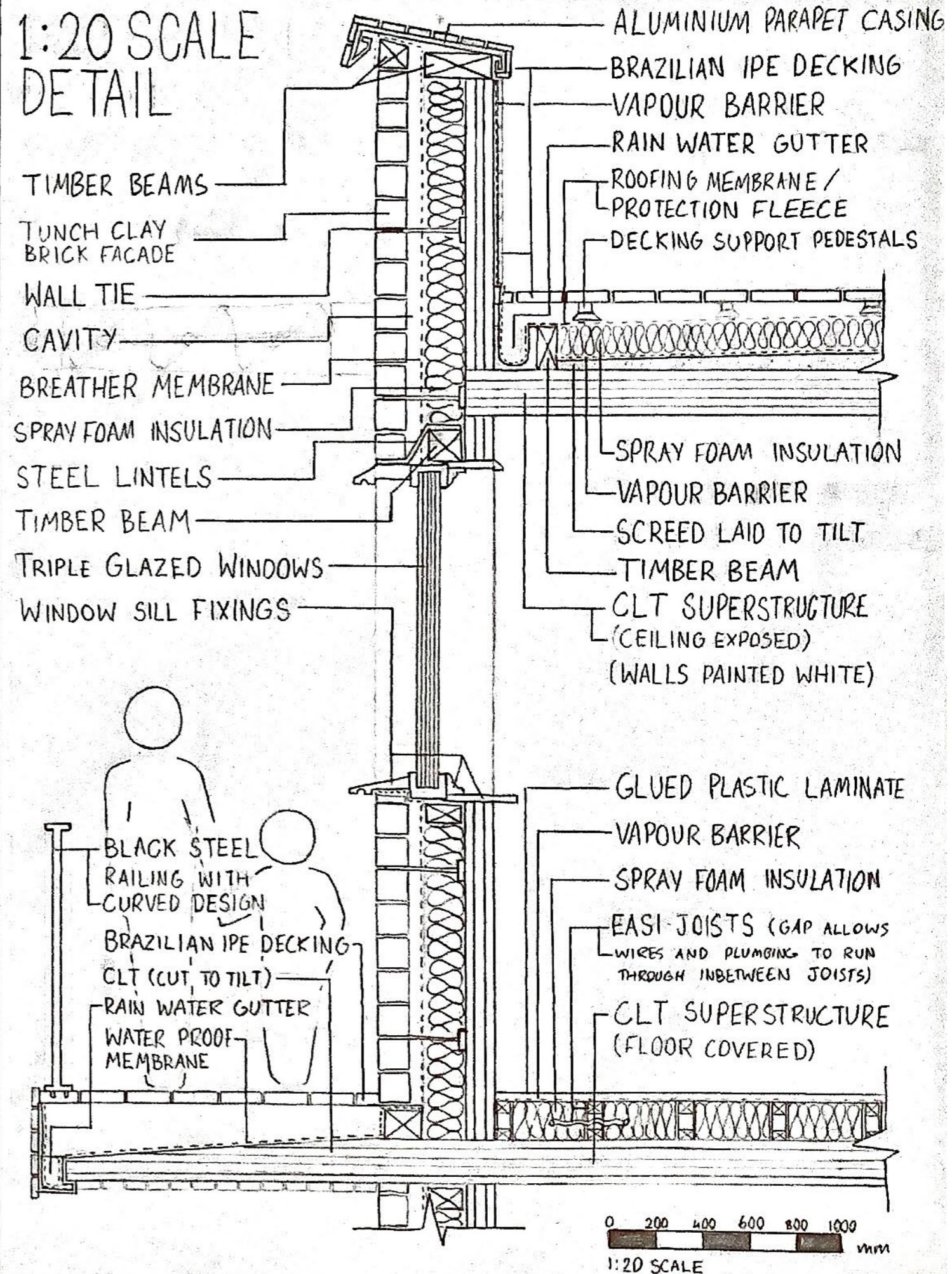
VENTILATION:

WINDOW TILT OPENINGS ARE BASED ON STACKED VENTILATION PRINCIPLES. COLD AIR COMING IN LOW AND HOT AIR LEAVING AT HIGHER POINTS IN THE ROOM. THIS SHOULD HELP KEEP ROOMS COOL IN THE SUMMER.

- BIODIVERSE GARDEN COURTYARD
- SAFE & SOCIAL
- RESIDENTS & GUESTS
- PLAY & RELAX



1:20 SCALE DETAIL



BRISTOL ART GALLERY PROJECT:

Year 2, Project 4

"The Banksy & Bristol"

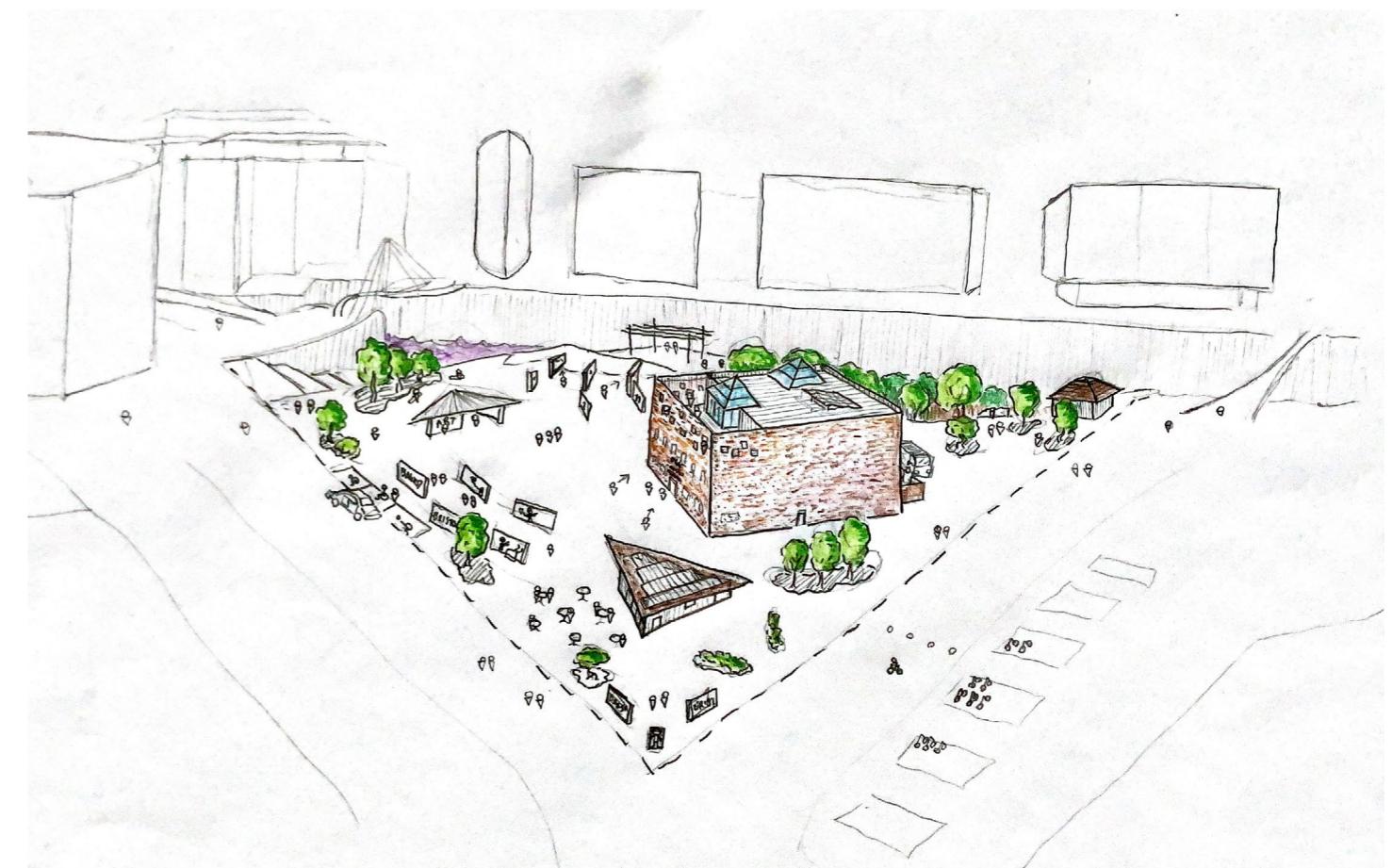
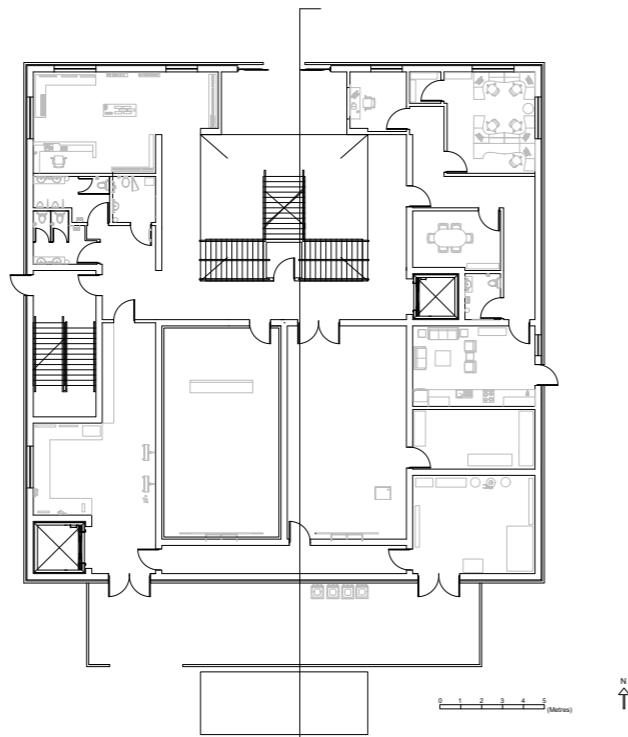
This project taught me how much I enjoy designing spaces for people to be creative in.

I proposed three exhibition spaces;

1. "The Evolution of Bristol Street Art"
2. "Banksy, War & Love"
3. "Anonymous Communities"

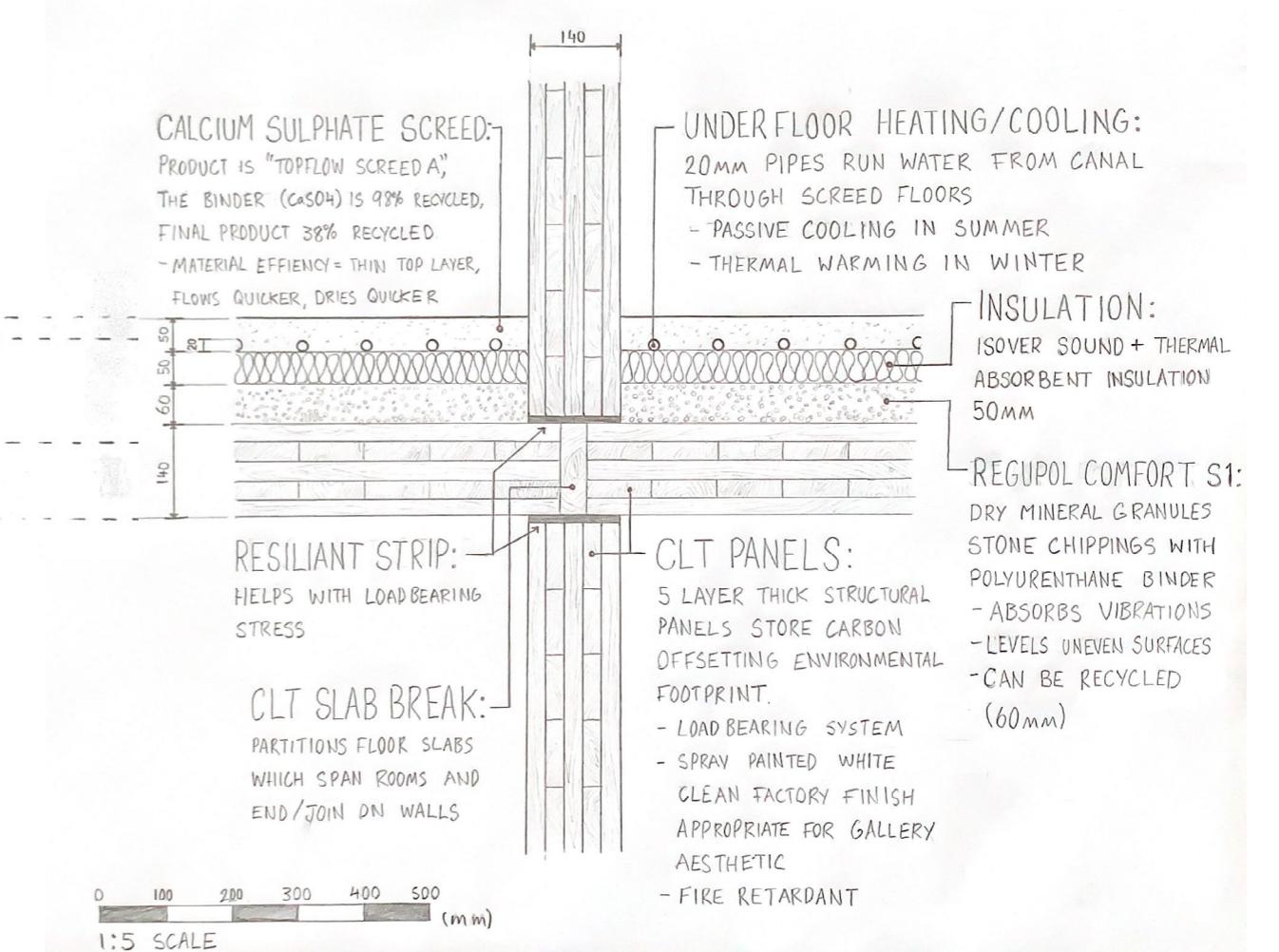
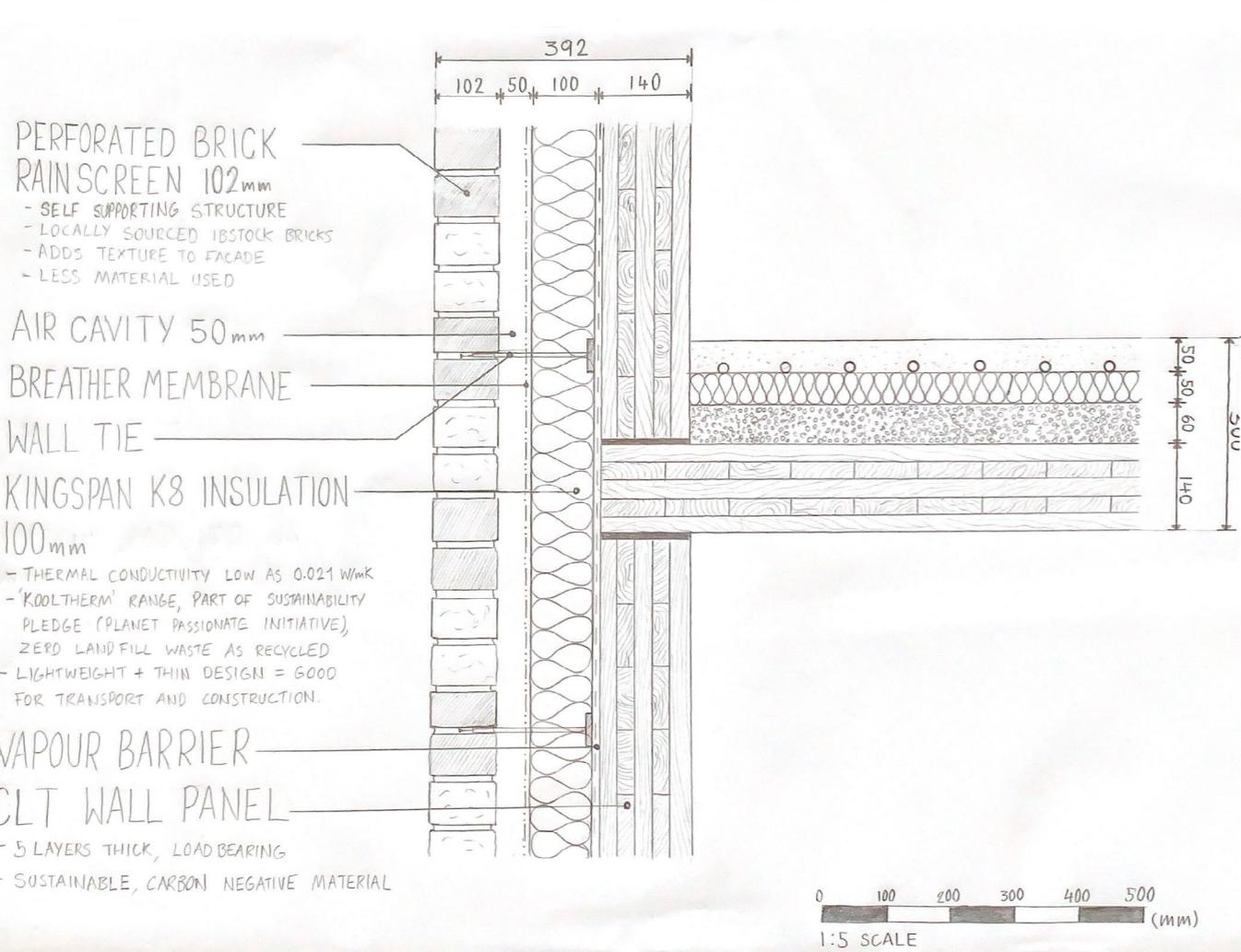
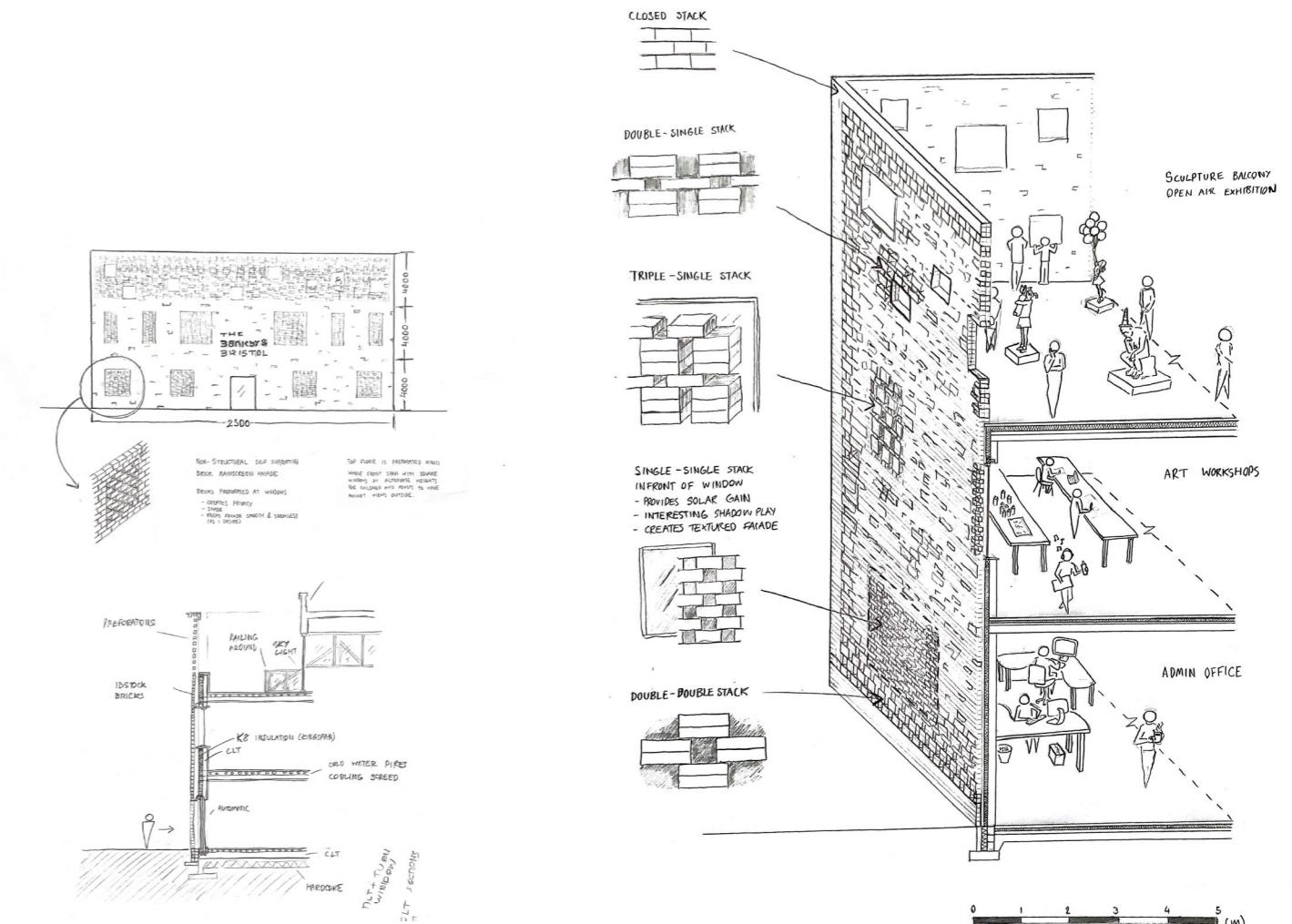
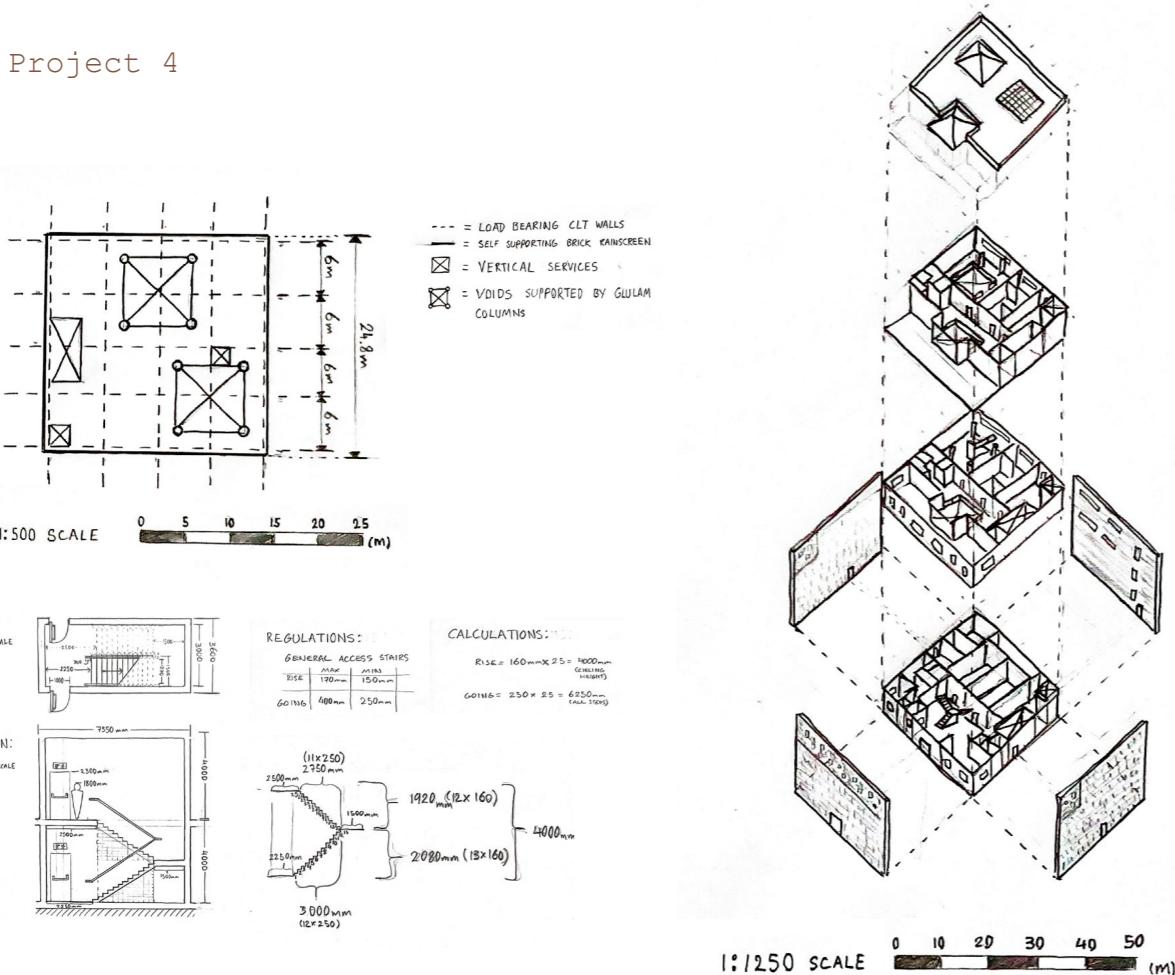
The third exhibition focuses on how unrepresented communities and diverse cultures contribute to the city's soul.

Creating hybrid ecologies through sustainable design solutions was important in this project.



STRUCTURAL STRATEGY:

Year 2, Project 4



FINAL YEAR DESIGN STUDIO PROJECT:

Year 3, 1st Semester

This display shows key sketches and models for my final year project. This was the Winter Break Exhibition. I will complete the project in May.

This first semester focused on abstract experimental processes to build up a theoretical concept for our building.

My proposal focuses around a timber workshop built on-site, which then acts as an engine for the continual creation of de-constructable timber architecture.

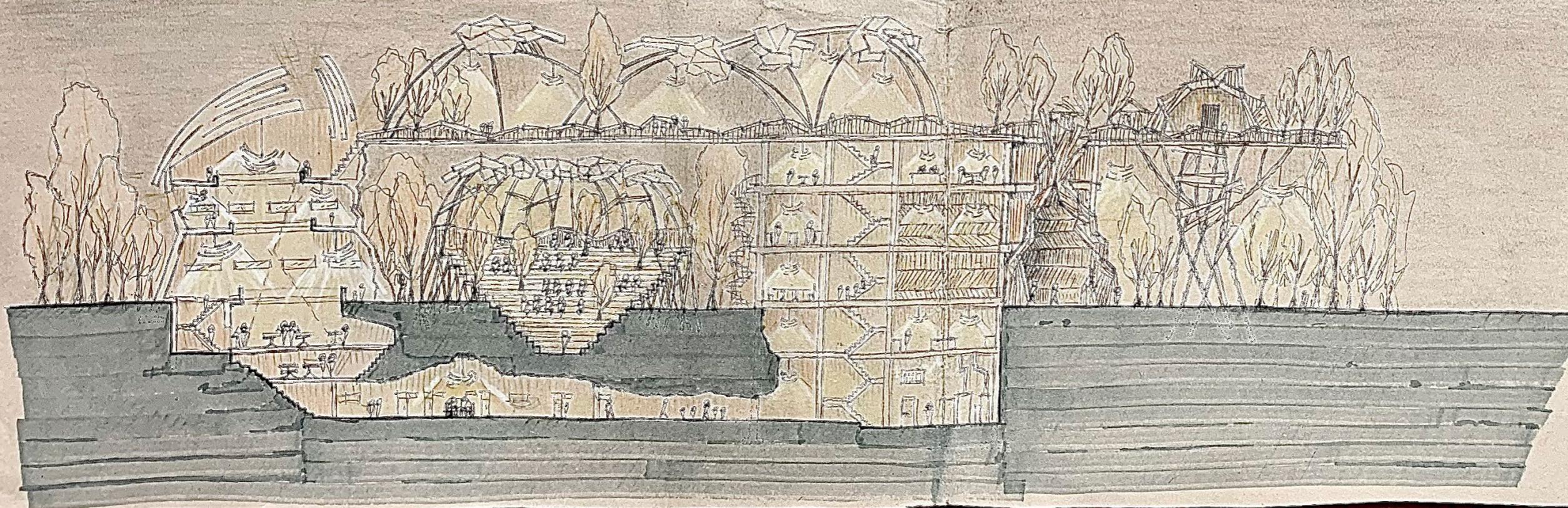
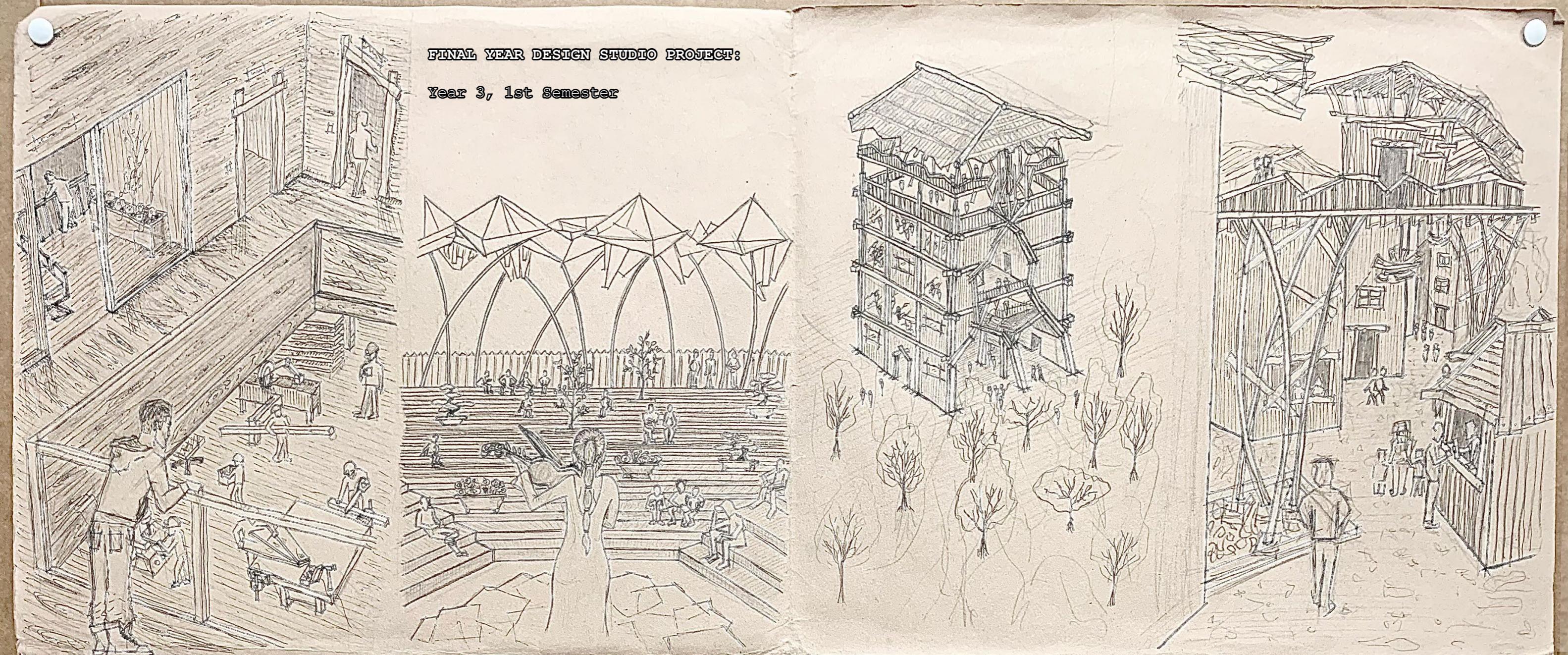
Influenced by Metabolist and Deconstructivist principles, the space will be adaptable to future functions.

I am proposing the construction of an amphitheatre and a marketplace for the local community and schools to engage in performance art and the sharing of timber carved goods.



FINAL YEAR DESIGN STUDIO PROJECT:

Year 3, 1st Semester



THIS DRAWING WAS
INFLUENCED BY LEBBEUS
WOODS DRAWINGS. I TRIED
TO CAPTURE HOW I WANT
MY SPACE TO FEEL. I
WANT ORTHOGONAL SHAPES TO
CLASH WITH IRRATIC-JAGGED
SHAPES, ALL BLENDED
SEAMLESSLY AMONGST A SEA
OF TREES.

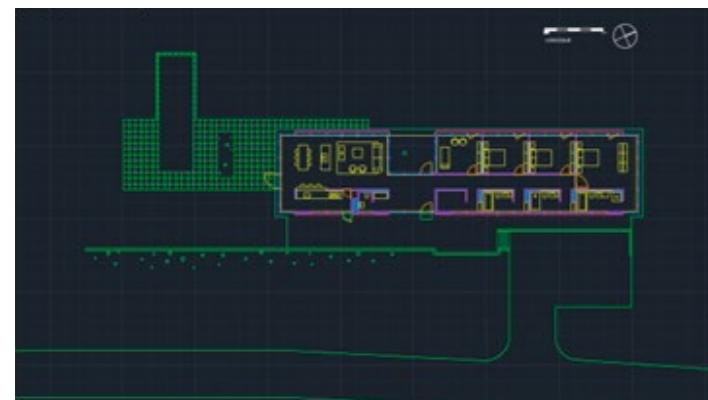
GRAVITY DEFYING TREE
HOUSE LIKE APENDAGES
PROPED ON STILTS SHOULD
FLY OVER HEADS ON
BRIDGES, BALCONIES AND
SEATED AREAS, OFFERING
LIGHT, ACOUSTICS AND
SHELTER.

DIGITAL SOFTWARE SKILLS:

AutoCAD, Sketch-Up, Twin Motion

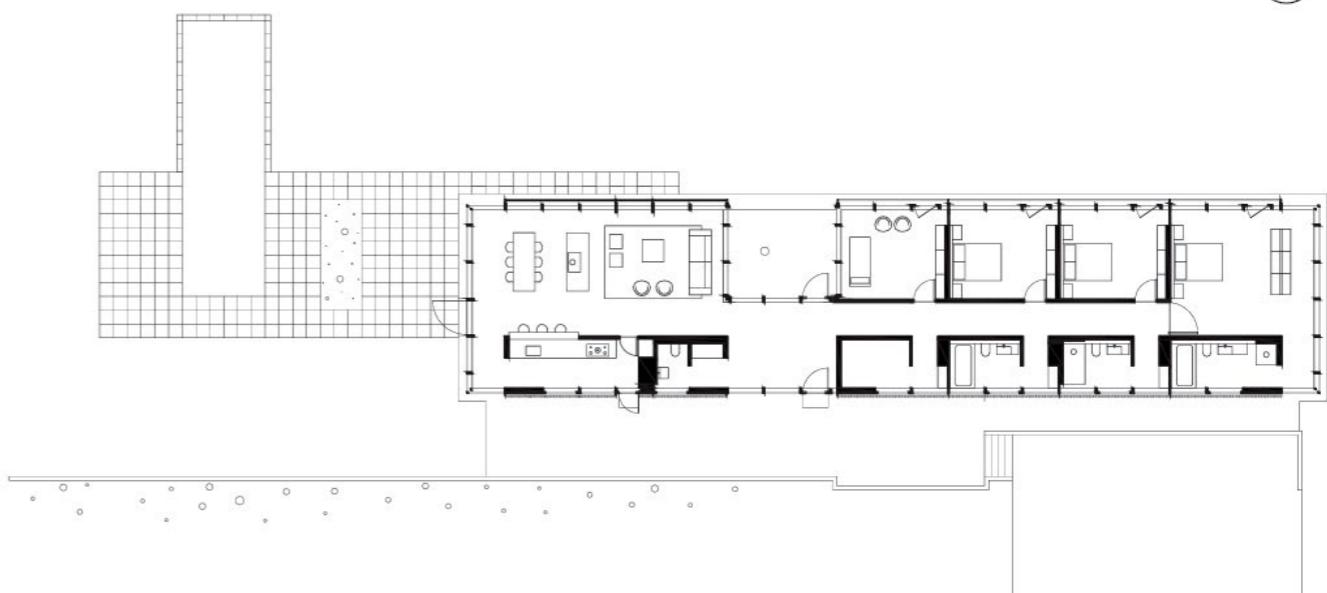
This module taught me how to turn drawings into 3D renders.

Step 1.) AutoCAD

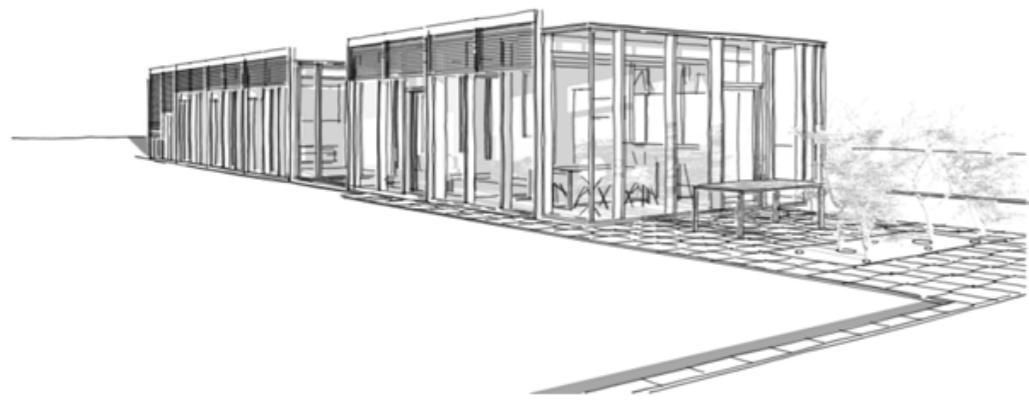


S. Name	On	Freeze	Lock	Plot	Color	Linetype	Lineweight	Transp...	New V...
Construction	On	Off	Off	On	white	Continuous	Default	0	
Context	On	Off	Off	On	130	Continuous	0.09 mm	0	
Door	On	Off	Off	On	90	Continuous	0.15 mm	0	
Door Swing	On	Off	Off	On	30	Continuous	0.09 mm	0	
Facade	On	Off	Off	On	40	Continuous	0.09 mm	0	
House Drawing	On	Off	Off	On	230	Continuous	0.09 mm	0	
Interior	On	Off	Off	On	10	Continuous	Default	0	
Walls	On	Off	Off	On	50	Continuous	0.15 mm	0	
Windows	On	Off	Off	On	210	Continuous	0.25 mm	0	
0	On	Off	Off	On	150	Continuous	0.05 mm	0	

Ground Floor Plan - 1:200 Scale @ A3



Step 2.) Sketch-Up:



Step 3.) Twin Motion:



DIGITAL SOFTWARE SKILLS:

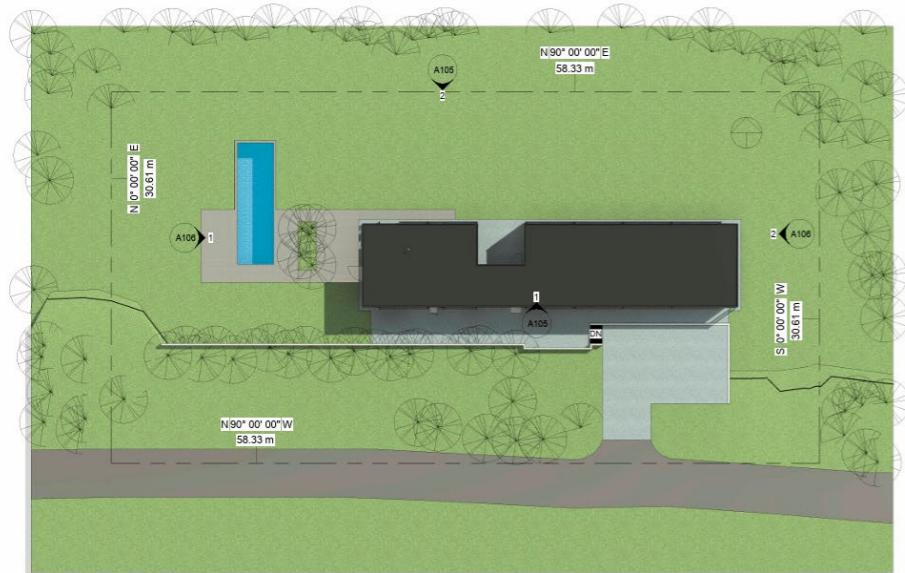
(Adobe) Photoshop

Step 4.) Adding final touches with Photoshop to completed finished render.



DIGITAL SOFTWARE SKILLS:

Revit



1 Site Plan
1 : 200

IN THIS ASSIGNMENT, STUDENTS NEED TO MODEL A HOUSE FROM THE MEDIUM WEBSITE TO LEARN THE SKILLS OF REVIT. THIS IS A HOUSE THAT THEY HAVE NOT DESIGNED THEMSELVES. AND CONSIDERING THERE ARE SOME LIMITATIONS TO UNDERSTANDING HOW THE HOUSE ARE, THE STUDENTS ARE NOT REQUIRED TO PRESENT ALL THE LAYERS OF A HOUSE. THE STUDENTS ARE JUST REQUIRED TO PRESENT THE ELEMENTS IN DETAIL (I.E. PRESENT ALL THE LAYERS OF A HOUSE).
- THE STUDENTS ARE NOT REQUIRED TO PRESENT THE STRUCTURAL INFORMATION THAT IS NOT COMPLETELY CONSIDERED IN THE MEDIUM WEBSITE.
- THE STUDENTS ARE JUST REQUIRED TO PRESENT THE GROUND FLOOR PLANS, BASEMENTS AND UPPER ELEMENTS PRESENTED IN PLAN VIEWS.

A2



Room Legend

- Dining Space
- Kitchen
- Living Space
- WC
- Entrance Hall
- Storage
- Lounge
- Bedroom
- Bathroom
- Shower Room
- Master Bedroom
- Master Ensuite

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UWE Bristol University of the
West of England

NAME: Tom O'Reilly
STUDENT NUMBER: 20012299
MODULE/Academic Year: Design Representation / 2022-23
PROJECT: Wuehrer House
DRAWING NAME: Plan Room Legend
DRAWN BY: Tom O'Reilly DATE: 26/04/2023 SCALE [B2A2]: 1:100 DRAWING NUMBER: A104

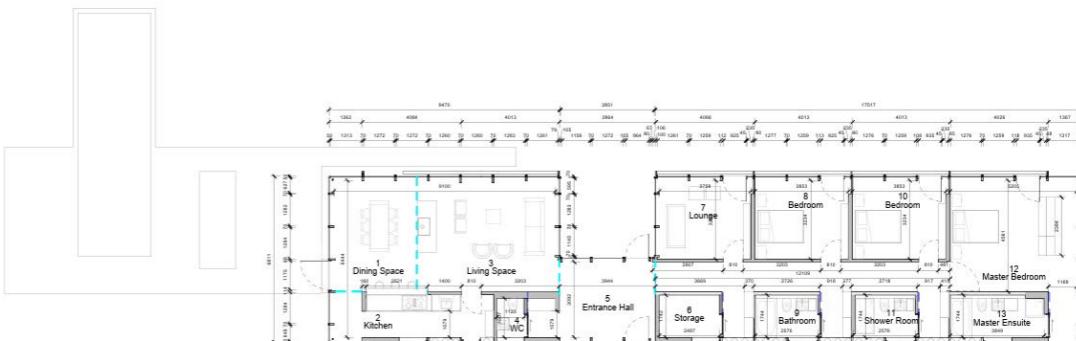
26/04/2023 09:57:46



2 North Elevation
1 : 100

IN THIS ASSIGNMENT, STUDENTS NEED TO MODEL A HOUSE FROM THE MEDIUM WEBSITE TO LEARN THE SKILLS OF REVIT. THIS IS A HOUSE THAT THEY HAVE NOT DESIGNED THEMSELVES. AND CONSIDERING THERE ARE SOME LIMITATIONS TO UNDERSTANDING HOW THE HOUSE ARE, THE STUDENTS ARE NOT REQUIRED TO PRESENT ALL THE LAYERS OF A HOUSE. THE STUDENTS ARE JUST REQUIRED TO PRESENT THE ELEMENTS IN DETAIL (I.E. PRESENT ALL THE LAYERS OF A HOUSE).
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A2

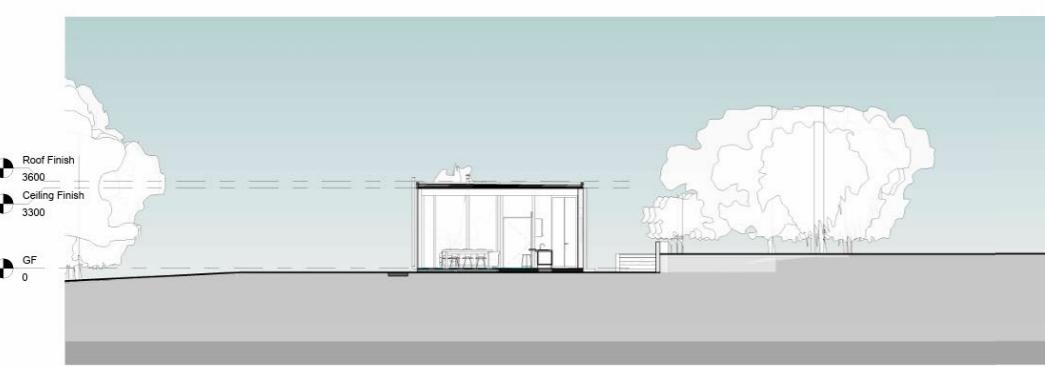


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UWE Bristol University of the
West of England

NAME: Tom O'Reilly
STUDENT NUMBER: 20012299
MODULE/Academic Year: Design Representation / 2022-23
PROJECT: Wuehrer House
DRAWING NAME: Plan Dimensioned
DRAWN BY: Tom O'Reilly DATE: 26/04/2023 SCALE [B2A2]: 1:100 DRAWING NUMBER: A103

26/04/2023 09:57:46



1 East Facing Section
1 : 100

IN THIS ASSIGNMENT, STUDENTS NEED TO MODEL A HOUSE FROM THE MEDIUM WEBSITE TO LEARN THE SKILLS OF REVIT. THIS IS A HOUSE THAT THEY HAVE NOT DESIGNED THEMSELVES. AND CONSIDERING THERE ARE SOME LIMITATIONS TO UNDERSTANDING HOW THE HOUSE ARE, THE STUDENTS ARE NOT REQUIRED TO PRESENT ALL THE LAYERS OF A HOUSE. THE STUDENTS ARE JUST REQUIRED TO PRESENT THE ELEMENTS IN DETAIL (I.E. PRESENT ALL THE LAYERS OF A HOUSE).
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A2

1 Ground Floor Dimensioned Plan
1 : 100

22

23

Thank You,
for taking your time to consider my portfolio.

I am graduating in June 2024 with a BSc(Hons) Architecture (RIBA/ARB Part 1) at the University of the West of England. I want to continue my career in architecture by finding a placement job for one year in London, beginning in September 2024.

- T. O'Reilly