

# Selected Works Portfolio

*Adam Amawi*

# Adam Amawi

Email: adamamawi@hotmail.com

Mobile: +44 7478 936763

A passionate architecture graduate dedicated to advancing the built environment through innovative design, sustainability, and efficient project delivery. Proficient in both conceptual and technical design, BIM, procurement, and multidisciplinary collaboration. With a strong academic record and collaborative experience, I excel at bridging design intent with construction execution. My expertise lies in the technical aspects of architecture, consistently demonstrated through high first-class grades in technical modules and showcased in my portfolio through 3D representations of building fabric details and structural assembly illustrations. These skills enable me to visualize and translate building frameworks into practical construction solutions beyond RIBA Stage 4.

## Education

BSc (Hons) Architecture

University of the West of England, Bristol (UWE)

Bristol, 2020-2024

Upper Second Class Honours

Modules include:

Architecture and Design Studio 3	- 63
Collaborative Practice	- 75
Advanced Technology and Environment 3	- 72
Dissertation	- 66

Architecture and Design Studio 2	- 70
History of Architecture	- 75
Design Representation	- 69
Research and Design Strategies	- 71

New College Swindon

Swindon, 2018-2020

Subjects include:

Mathematics  
Graphics Design and Illustration  
Fine Art  
(As well as nine GCSEs, including Mathematics and English)

## Featured Skills

- Adobe Creative Suite
- AutoCAD
- Revit
- SketchUp
- Procreate
- Microsoft Office Package
- Sketching & Model Making
- Report Writing
- Organisation
- Time Management
- Cost Management
- Problem Solving
- Driving Licence

## Languages

English - Native Proficiency

Arabic - Professional Working Proficiency

## Awards

Drawing Featured in Architecture Publication -

Getting Lost in Design Drawing with the Satnav Natives (Burch et al, 2022).

Zero Carbon Aware (Bronze) -

Achieved in a Sustainable Design and Carbon Awareness Course.

## Experience

Kendall Kingscott February - May 2024

Student Mentorship Scheme- Associated with RIBA

- Mentored at Kendall Kingscott, gaining insight into a large-scale architectural firm.
- Conducted site visits to ongoing projects, observing multi-disciplinary collaboration.
- Engaged with architects and professionals to understand real-world project execution.

House of Wisdom 2021 - 2024

Event Organiser and Graphic Designer

- Assisted in organising multi-faith events for 500+ attendees, youth activities, and weekly football matches, ensuring smooth operations and engagement.
- Organised a 20+ team football tournament, managing logistics, expenditure, and payments.
- Coordinated with staff and volunteers to handle logistics, activities, and promotional materials such as posters.

Crew Clothing 2019 - 2020

Sales Assistant

- Delivered exceptional customer service, assisting with inquiries, purchases, and sales.
- Managed stock and store presentation, ensuring shelves were organised and visually appealing.
- Maintained a clean, welcoming environment, enhancing the overall shopping experience.

## References

Mohammed Limbada - Founder of House of Wisdom Swindon Charity

Telephone: +44 7876 809290

Email: info@baytalhikmah.org

Nick Drofiak - Lecturer in Histories and Theories of Architecture

Telephone: +44 11732 81229

Email: Nick.Drofiak@uwe.ac.uk

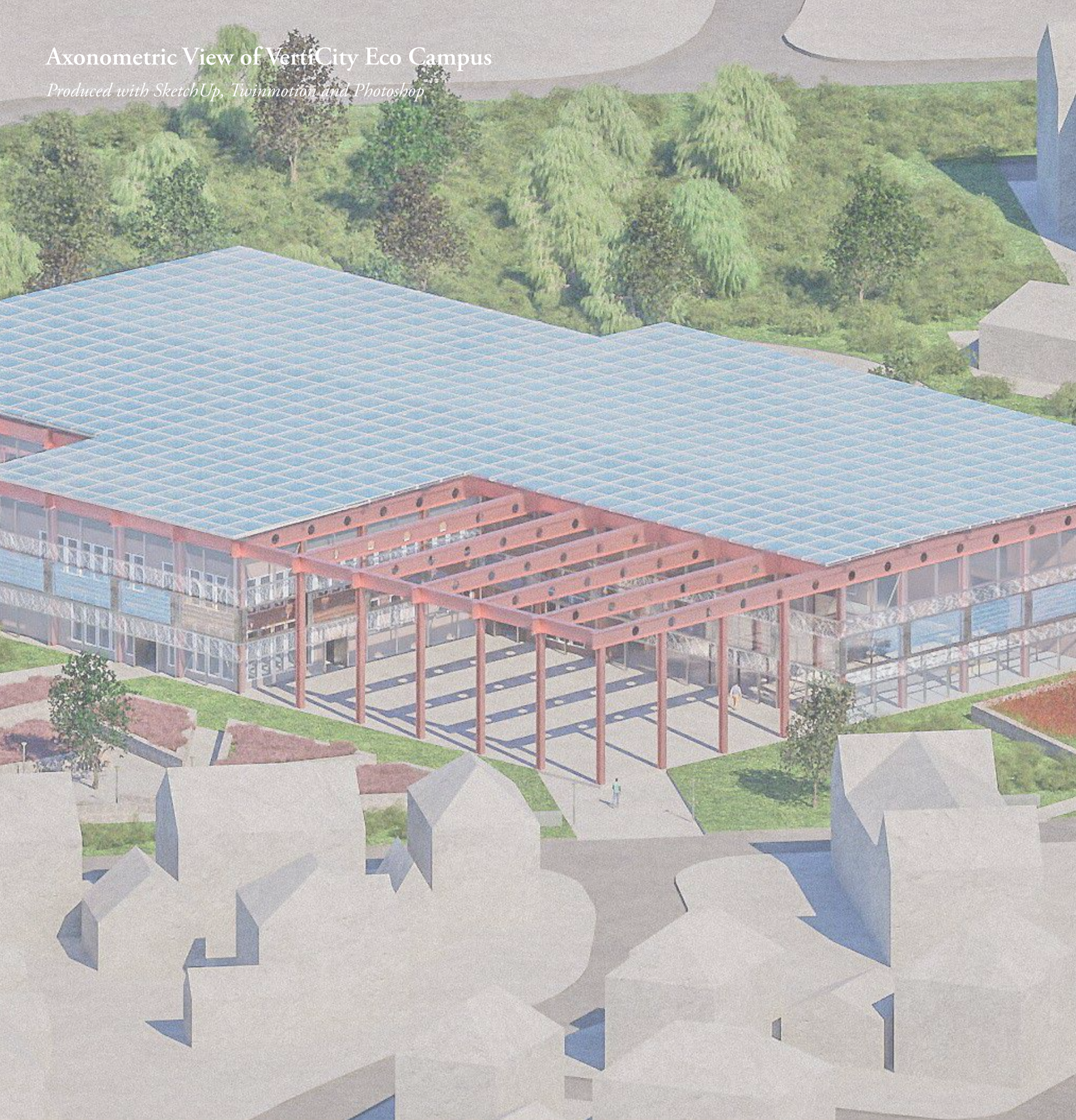
James Burch - Associate Professor of Architecture

Telephone: +44 11732 82089

Email: James.Burch@uwe.ac.uk

# Axonometric View of VertiCity Eco Campus

*Produced with SketchUp, Twinmotion and Photoshop*



## The VertiCity Eco Campus

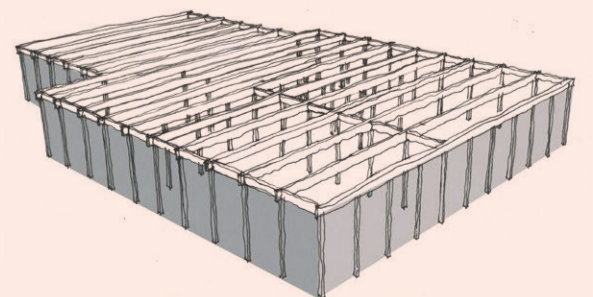
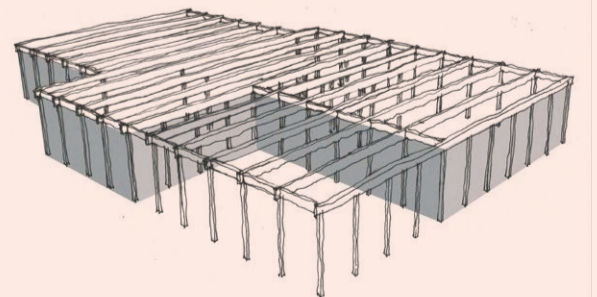
### A Vertical Farming Community Centre in Frenchay, Bristol

*Year 3 Architecture and Design Studio*

The Manifesto for this project in Bristol encapsulates a vision deeply rooted in Frenchay's agricultural history while steering towards a future centred on sustainability, and modularity.

Therefore, this project will serve two purposes: First is becoming a hub for the locals to congregate and unite via farming, reviving Frenchay's lost history.

Second: produce a structure capable of being modular and adaptable over time to cater to the community's young population, who may require a change in typology in the coming future.



# Site Context

*Produced with SketchUp and Illustrator*

The South Gloucestershire Council, in 2007, provided a Supplementary Planning Document that set out the main features contributing to the appearance of the Conservation Area.

Despite the perpetual grassland degradation within Frenchay, the Council implemented strategies for key areas that were to be conserved. Most notably, the eight historic parks and gardens preserved the site's history associated with flower festivals.

The project site sat in the heart of Frenchay Hospital in 2007. Today, the hospital has been demolished, making space for modern development. The rapid change in land use could suggest how the site may have still maintained a culture of health and well-being, especially with the Rehabilitation Centre sitting adjacent to the project site.

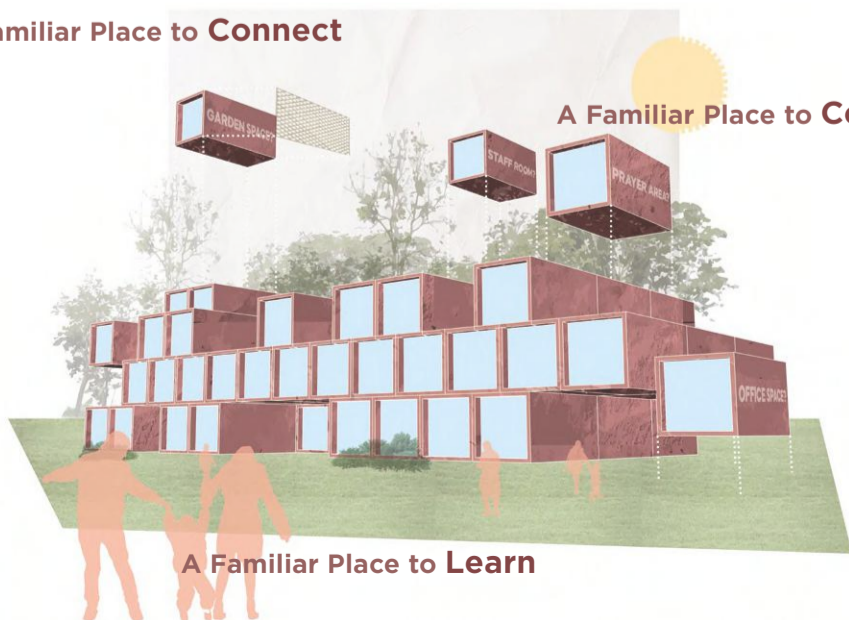


# Manifesto

*Produced with Illustrator*

## A Familiar Place to Connect

## A Familiar Place to Celebrate



## A Familiar Place to Learn

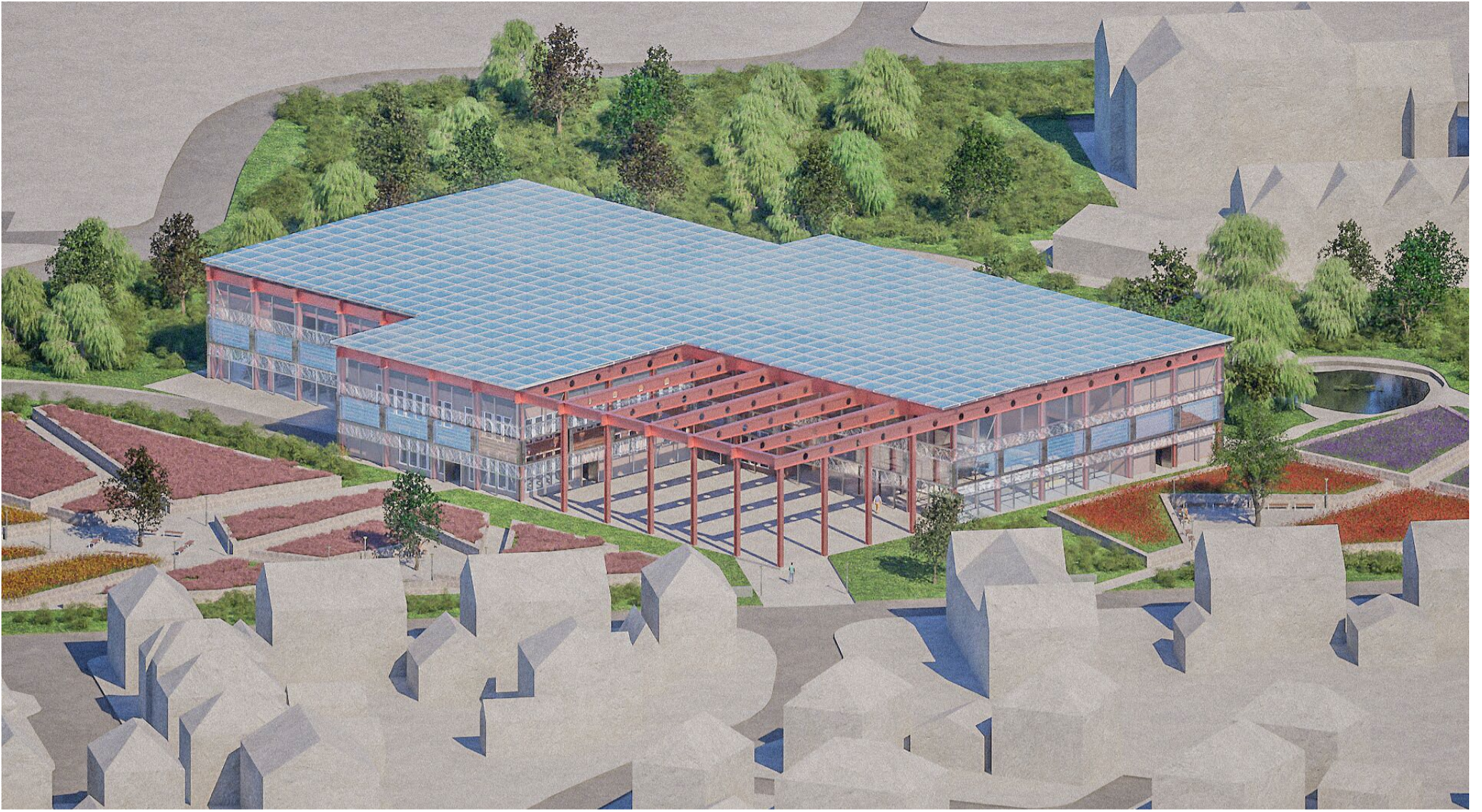
Recognising the intrinsic time-sensitive nature of plant growth and harvesting, I looked to design a vertical farm as the development's focal point, harnessing time-sensitive activities to promote social cohesion and connectivity within the community.

Reimagining the building's typology through future-proof design was central to my project, allowing for a building that would serve the generation of tomorrow.

With a new development now tied to a historic village, my vision was to deliver a hub that merged elements from Old Frenchay, yet celebrated New Frenchay's fresh identity through contemporary design.

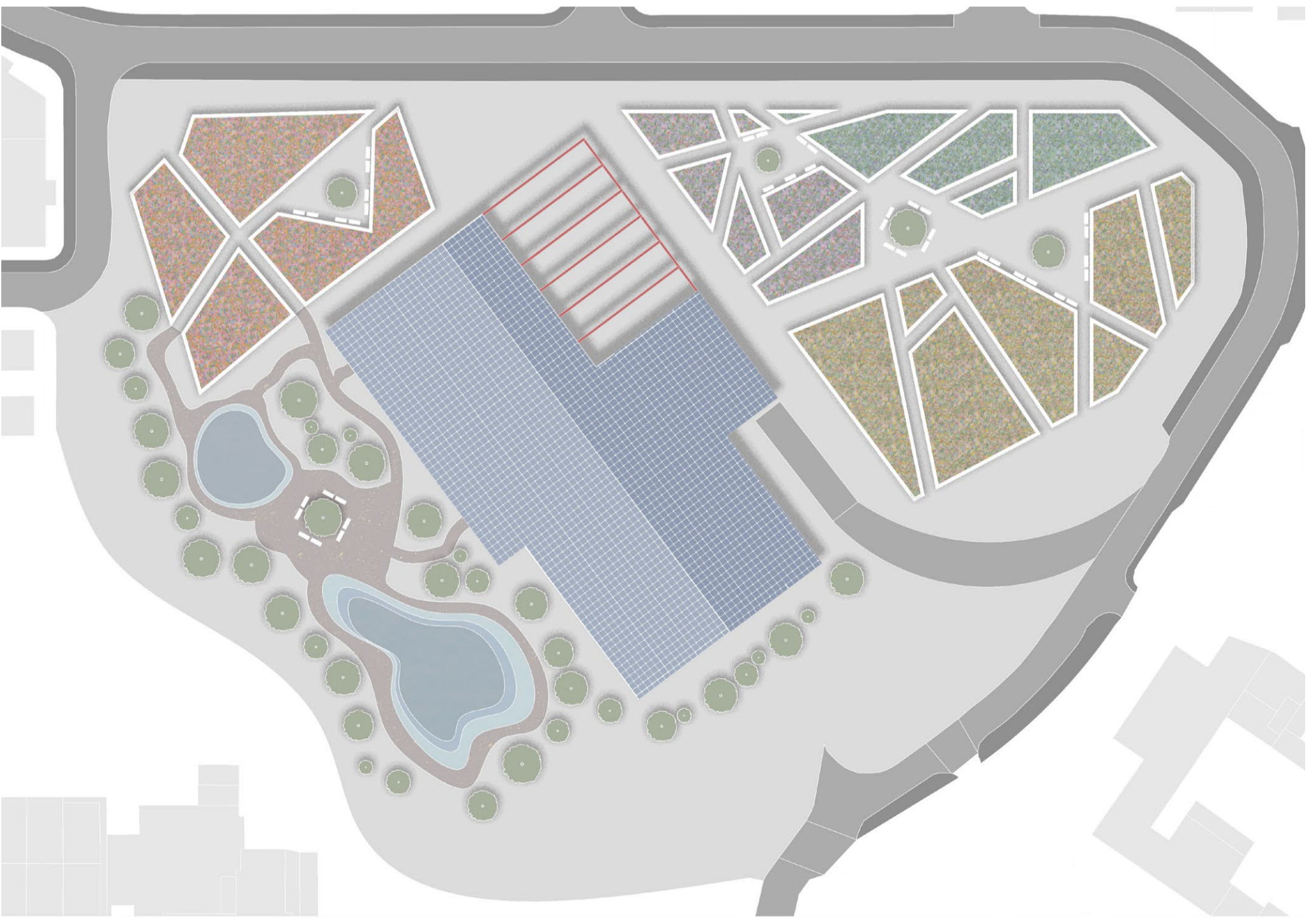
# Axonometric View

*Produced with SketchUp, Twinmotion and Photoshop*



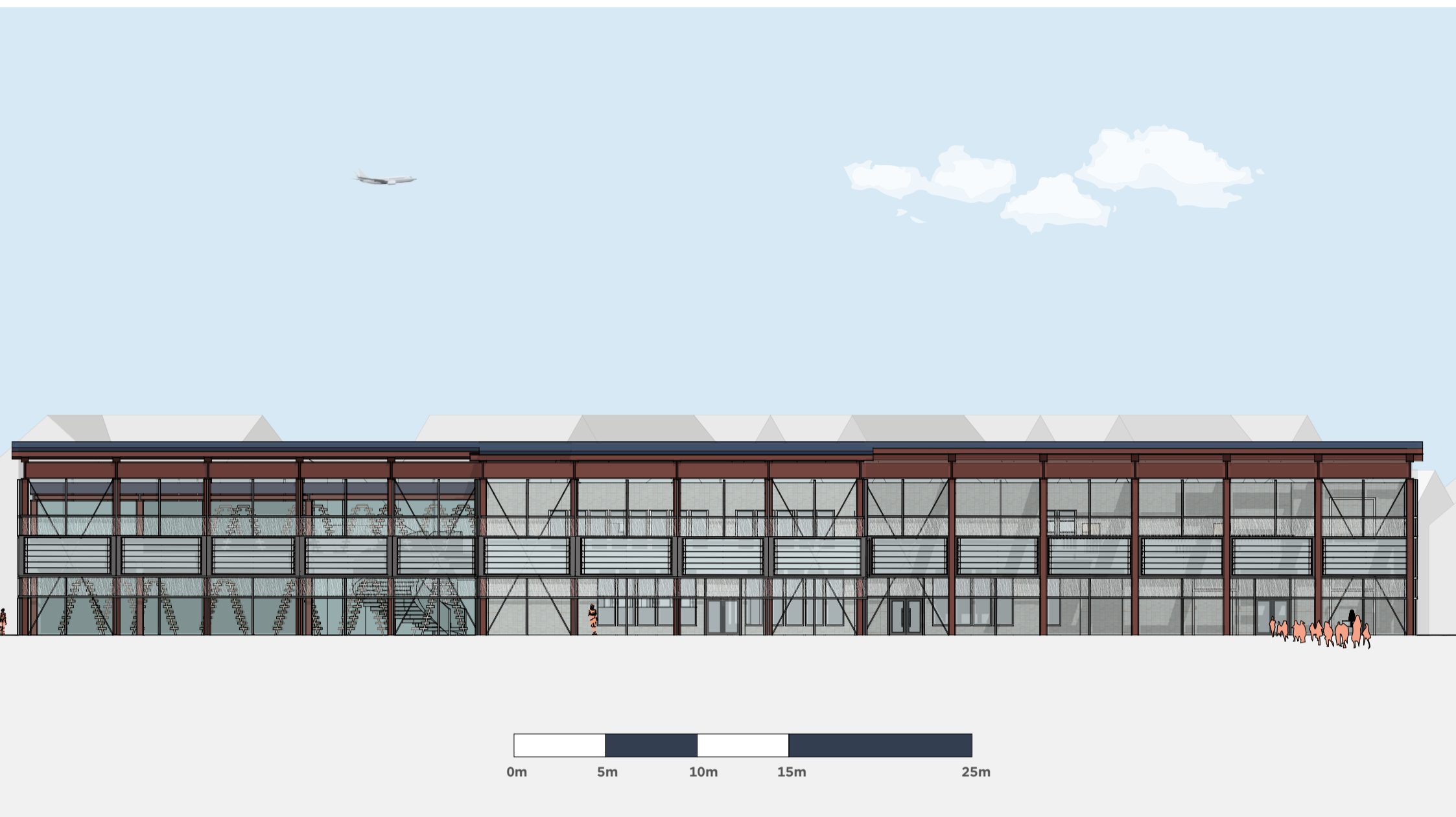
# Site Plan

*Produced with AutoCAD and Photoshop*

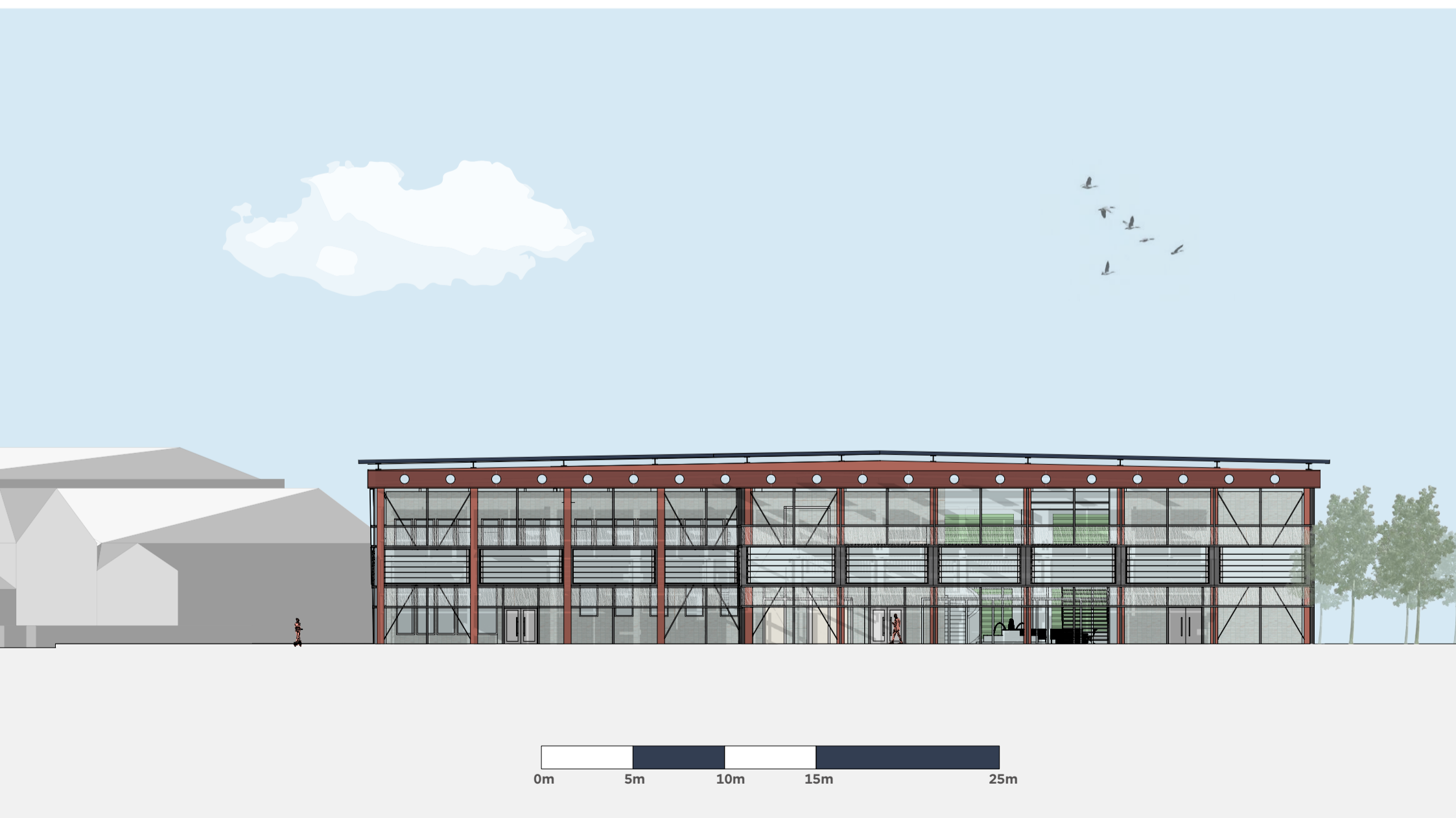


# North-West Elevation

*Produced with SketchUp and Illustrator*

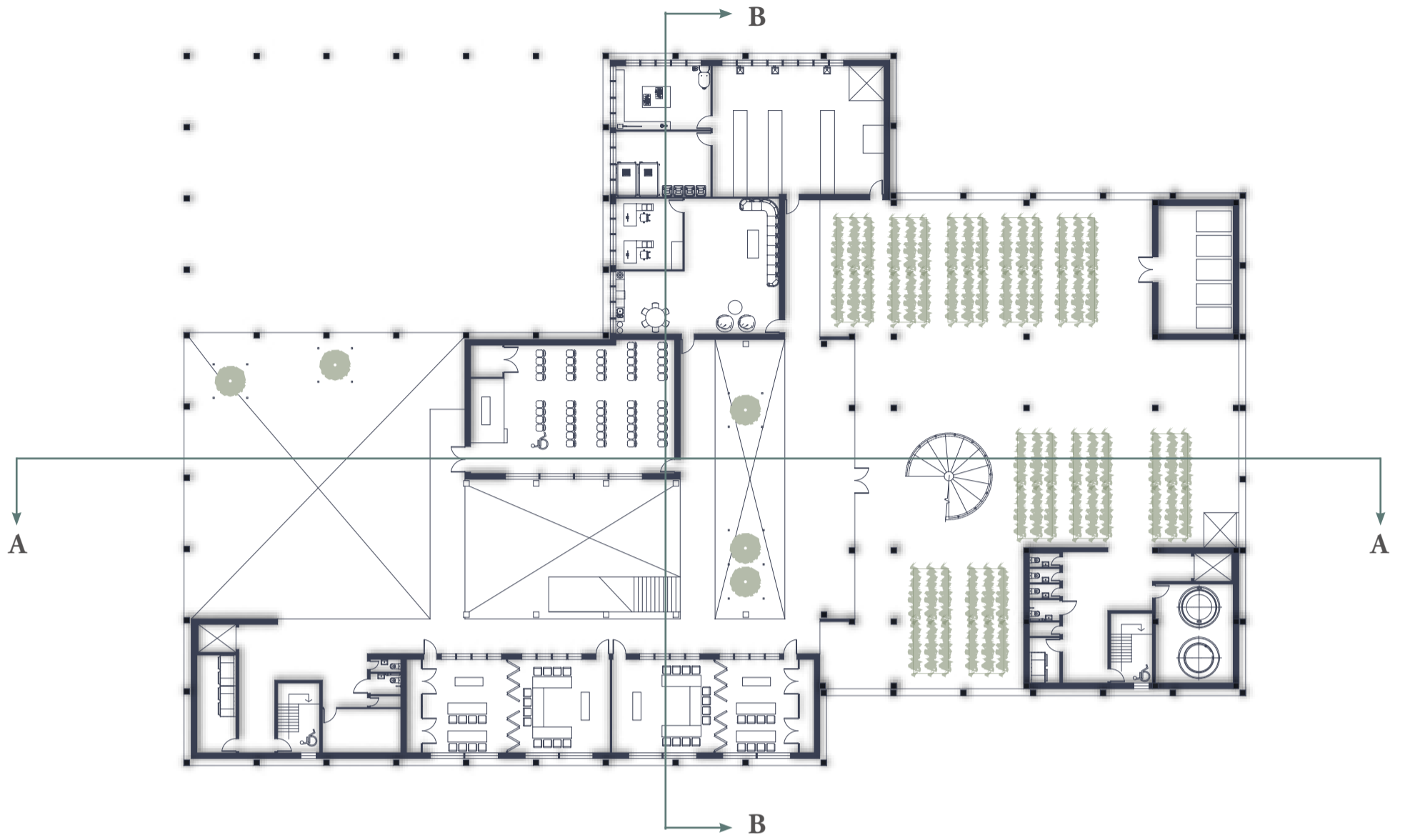


# North-East Elevation

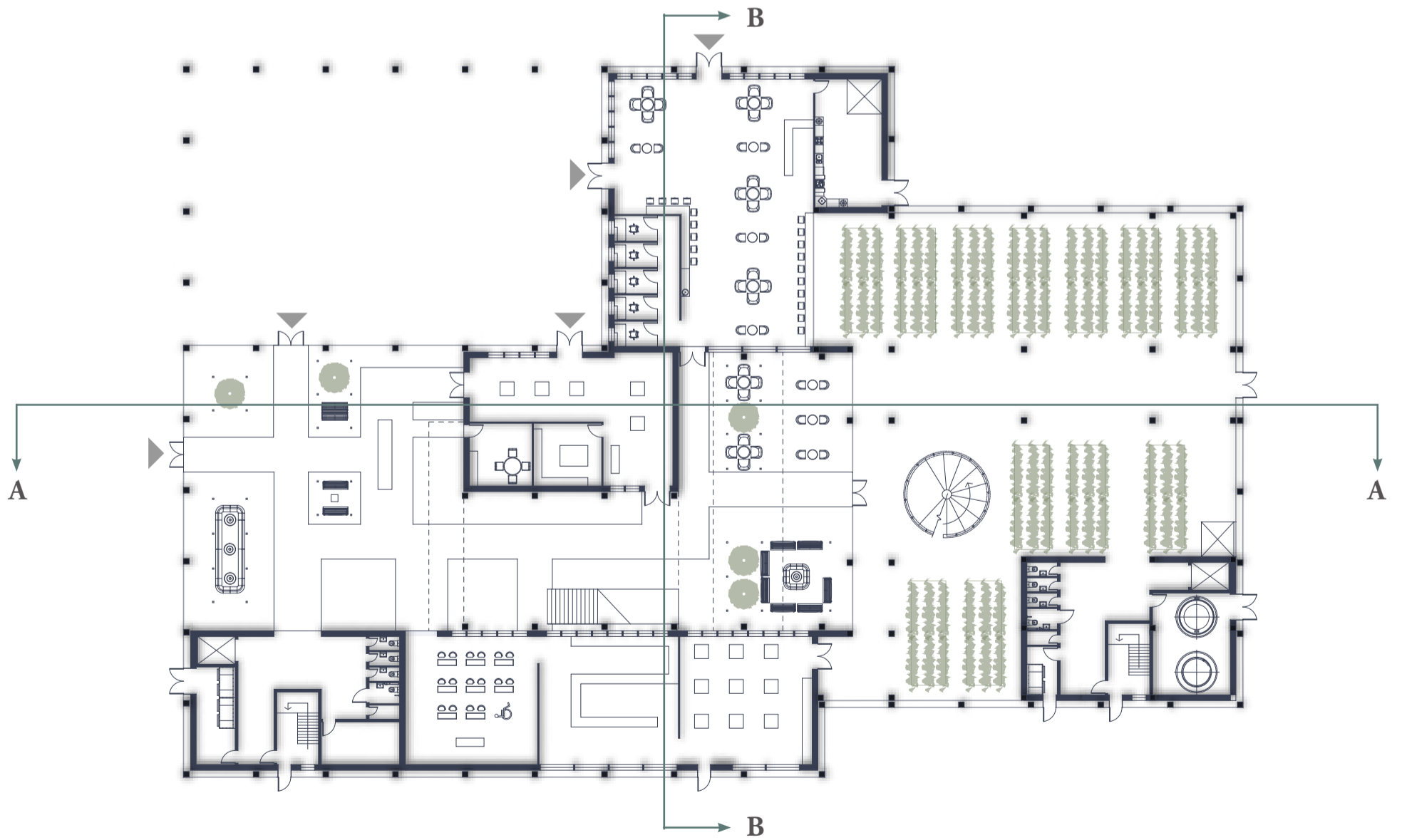


# First Floor Plan

*Produced with AutoCAD and Illustrator*



# Ground Floor Plan



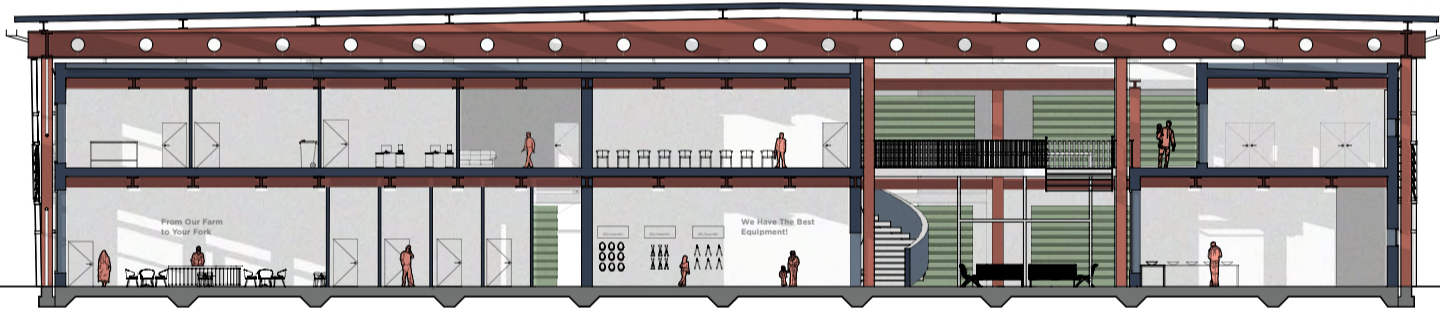
## Section AA

*Produced with SketchUp and Illustrator*



0m 5m 10m 15m 25m

## Section BB

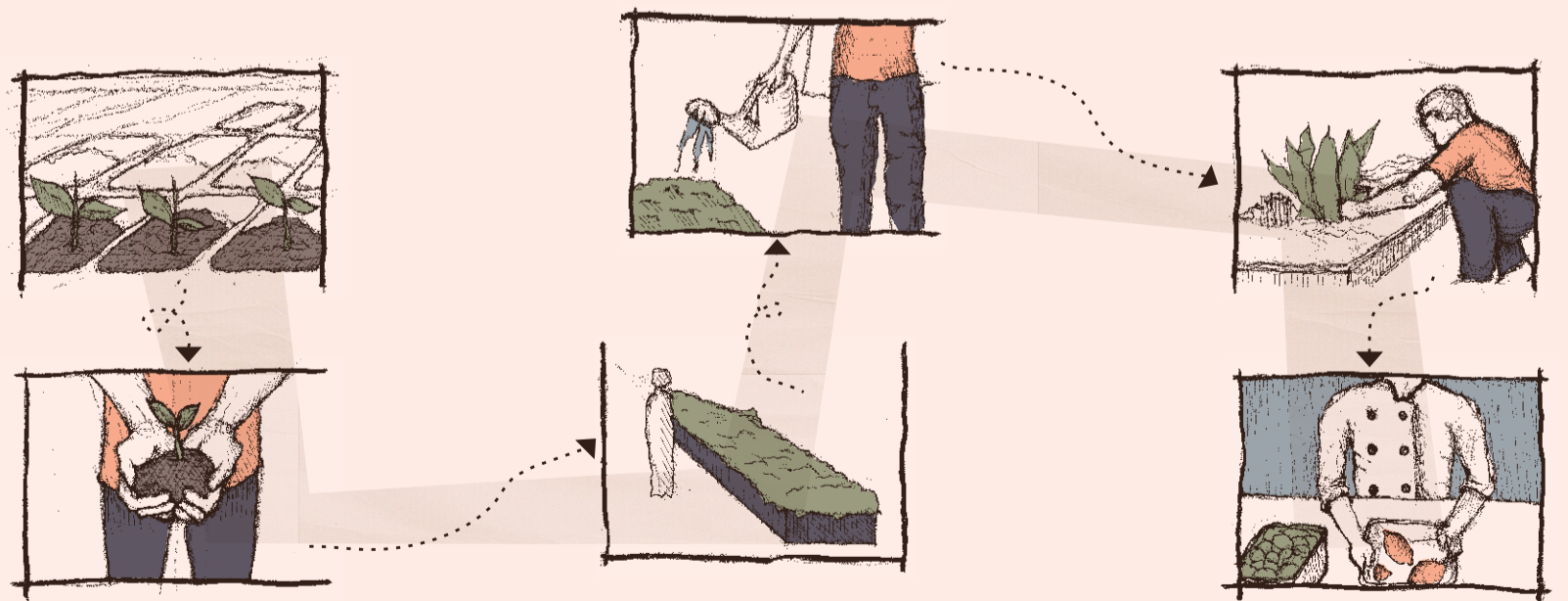


0m 5m 10m 15m 25m

## Seed to Plate Diagram

*Produced with Sketching and Illustrator*

The particular sections shown were taken with hopes of demonstrating the key processes of the functions within my building, from the tool rental shop, to the farming learning classes, but most importantly, how food is taken from my vertical farm, down to the cafe where its served fresh for the locals.





Interior Render of Seed Selection Class

*Produced with SketchUp, Twinmotion and Photoshop*

**The seeds of today  
are the flowers of tomorrow**

Can you  
recognise the  
seeds with mold  
& mildew?



## Interior Render of Cafe Overlooking Vertical Farm

*Produced with SketchUp, Twinmotion and Photoshop*



## Interior Render of Vertical Farm

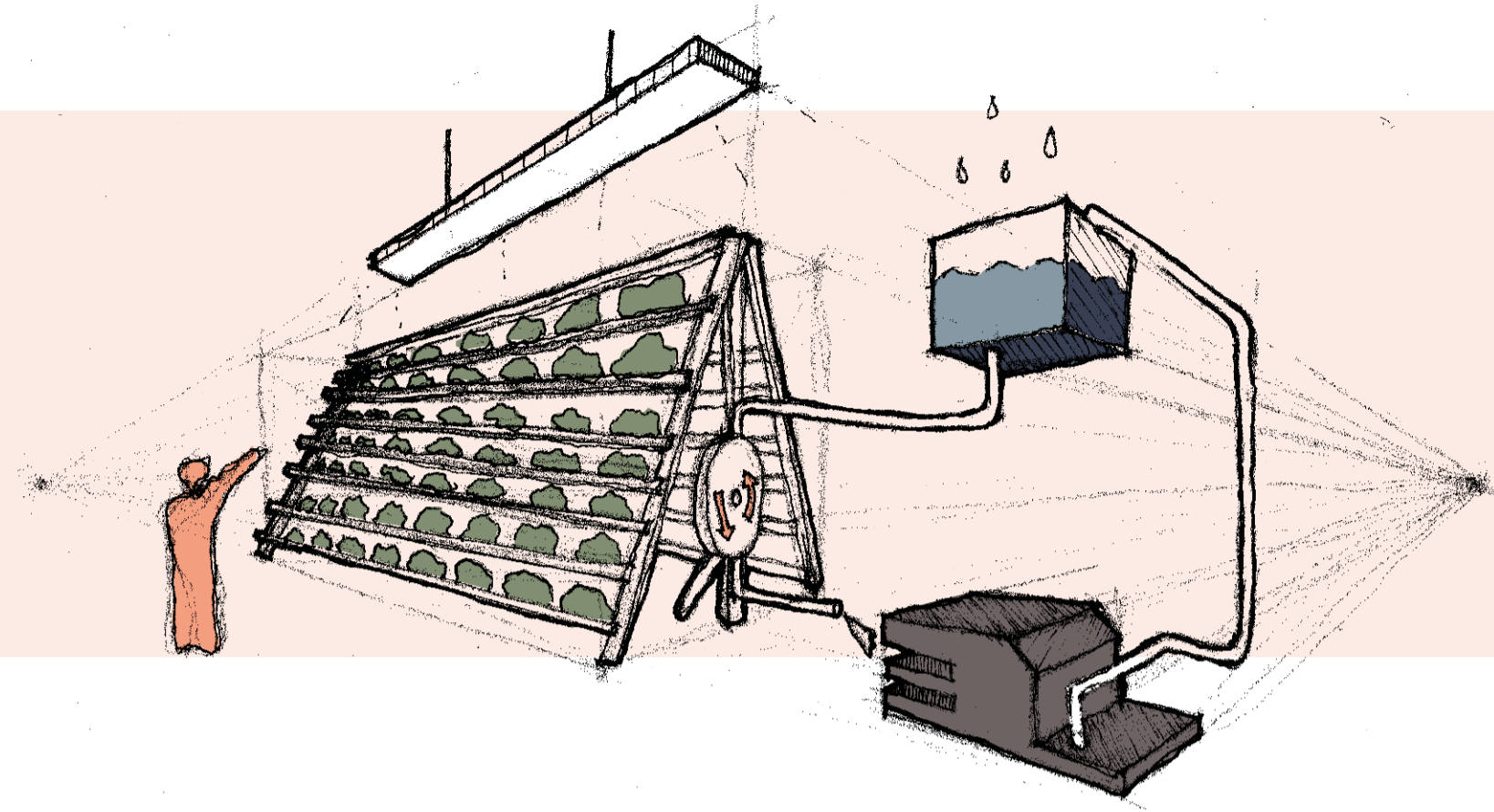


## Exterior Render of Flower Festival Landscaping

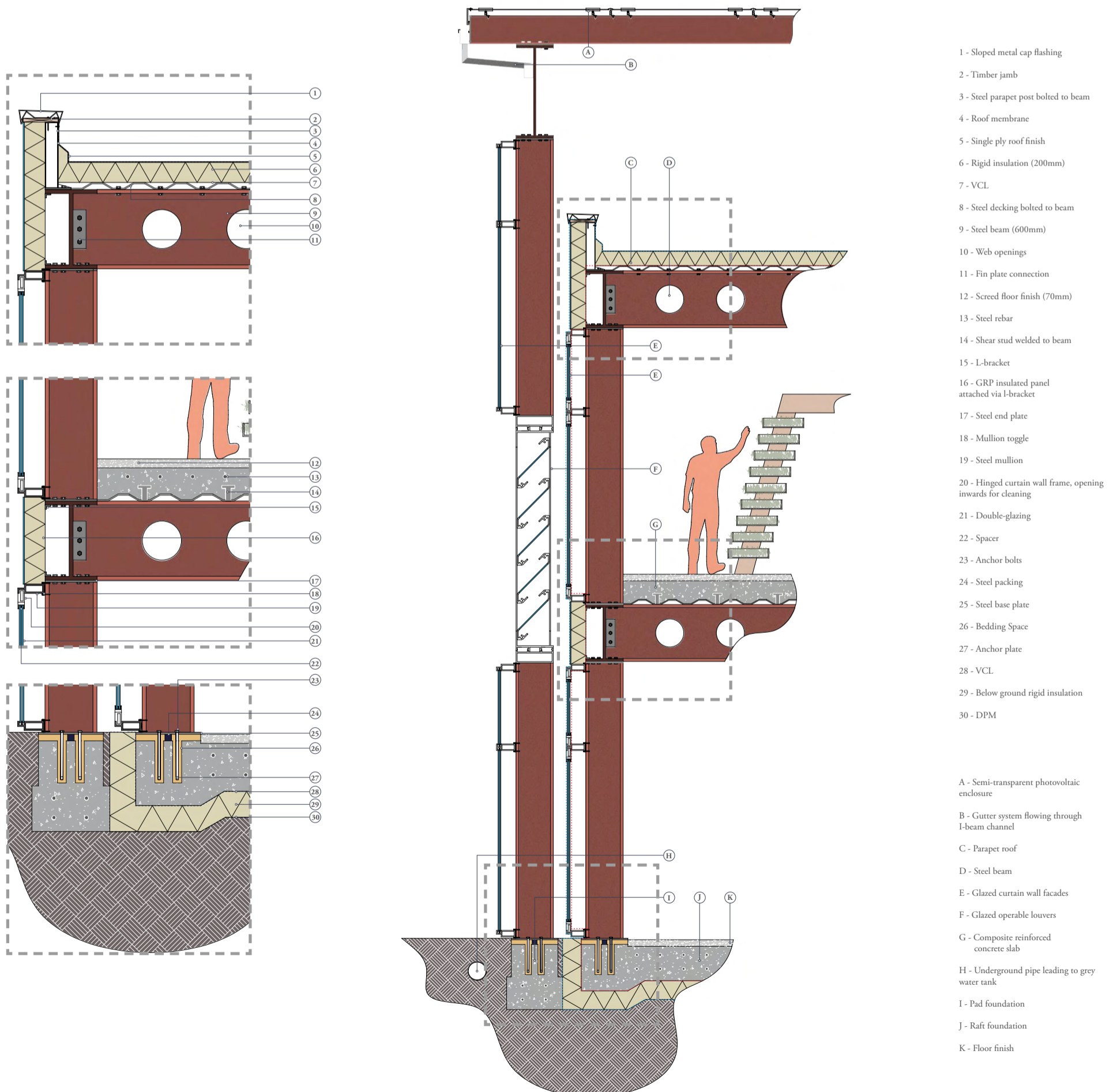


# Vertical Farming Systems and Facade Details

*Produced with AutoCAD, Illustrator and Sketching*



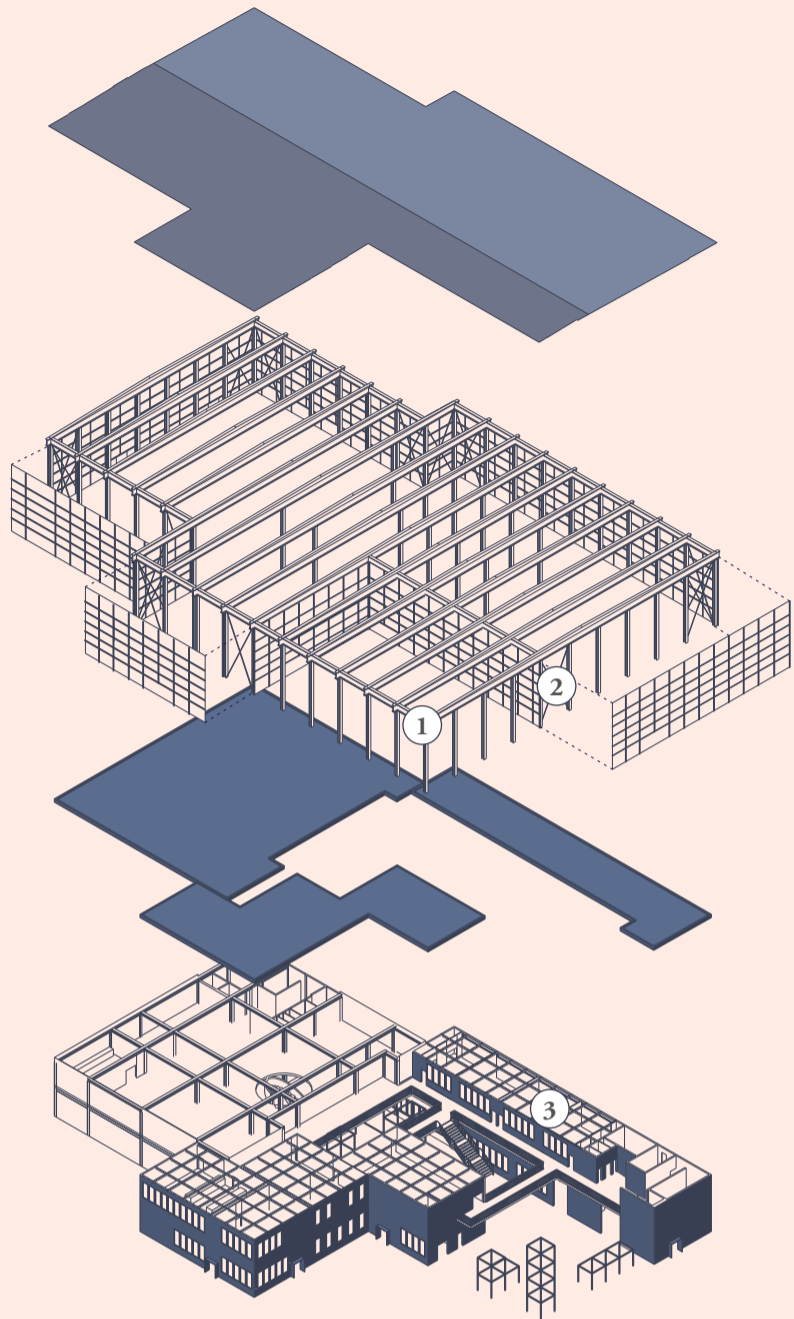
The sketch shown illustrates my vertical farming strategy, implementing a hydrolic-green technology which rotates the racks of plants, providing consistent sunlight and watering. Rain water is diverted to rotate pulley system, rotating the racks three times a day.



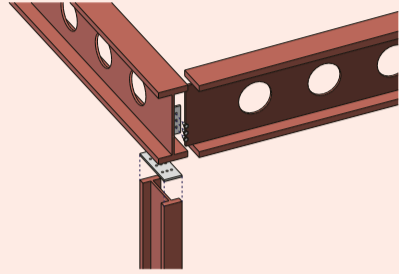
- 1 - Sloped metal cap flashing
  - 2 - Timber jamb
  - 3 - Steel parapet post bolted to beam
  - 4 - Roof membrane
  - 5 - Single ply roof finish
  - 6 - Rigid insulation (200mm)
  - 7 - VCL
  - 8 - Steel decking bolted to beam
  - 9 - Steel beam (600mm)
  - 10 - Web openings
  - 11 - Fin plate connection
  - 12 - Screed floor finish (70mm)
  - 13 - Steel rebar
  - 14 - Shear stud welded to beam
  - 15 - L-bracket
  - 16 - GRP insulated panel attached via l-bracket
  - 17 - Steel end plate
  - 18 - Mullion toggle
  - 19 - Steel mullion
  - 20 - Hinged curtain wall frame, opening inwards for cleaning
  - 21 - Double-glazing
  - 22 - Spacer
  - 23 - Anchor bolts
  - 24 - Steel packing
  - 25 - Steel base plate
  - 26 - Bedding Space
  - 27 - Anchor plate
  - 28 - VCL
  - 29 - Below ground rigid insulation
  - 30 - DPM
- 
- A - Semi-transparent photovoltaic enclosure
  - B - Gutter system flowing through I-beam channel
  - C - Parapet roof
  - D - Steel beam
  - E - Glazed curtain wall facades
  - F - Glazed operable louvers
  - G - Composite reinforced concrete slab
  - H - Underground pipe leading to grey water tank
  - I - Pad foundation
  - J - Raft foundation
  - K - Floor finish

# Primary and Roof Structure

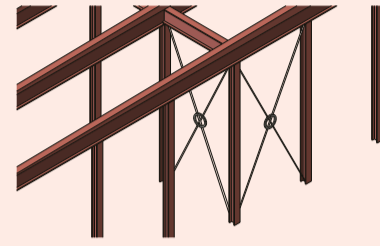
*Produced with SketchUp and Illustrator*



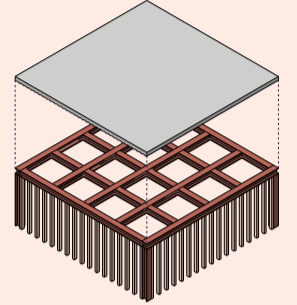
1. Fin plate connection



2. Cross bracing



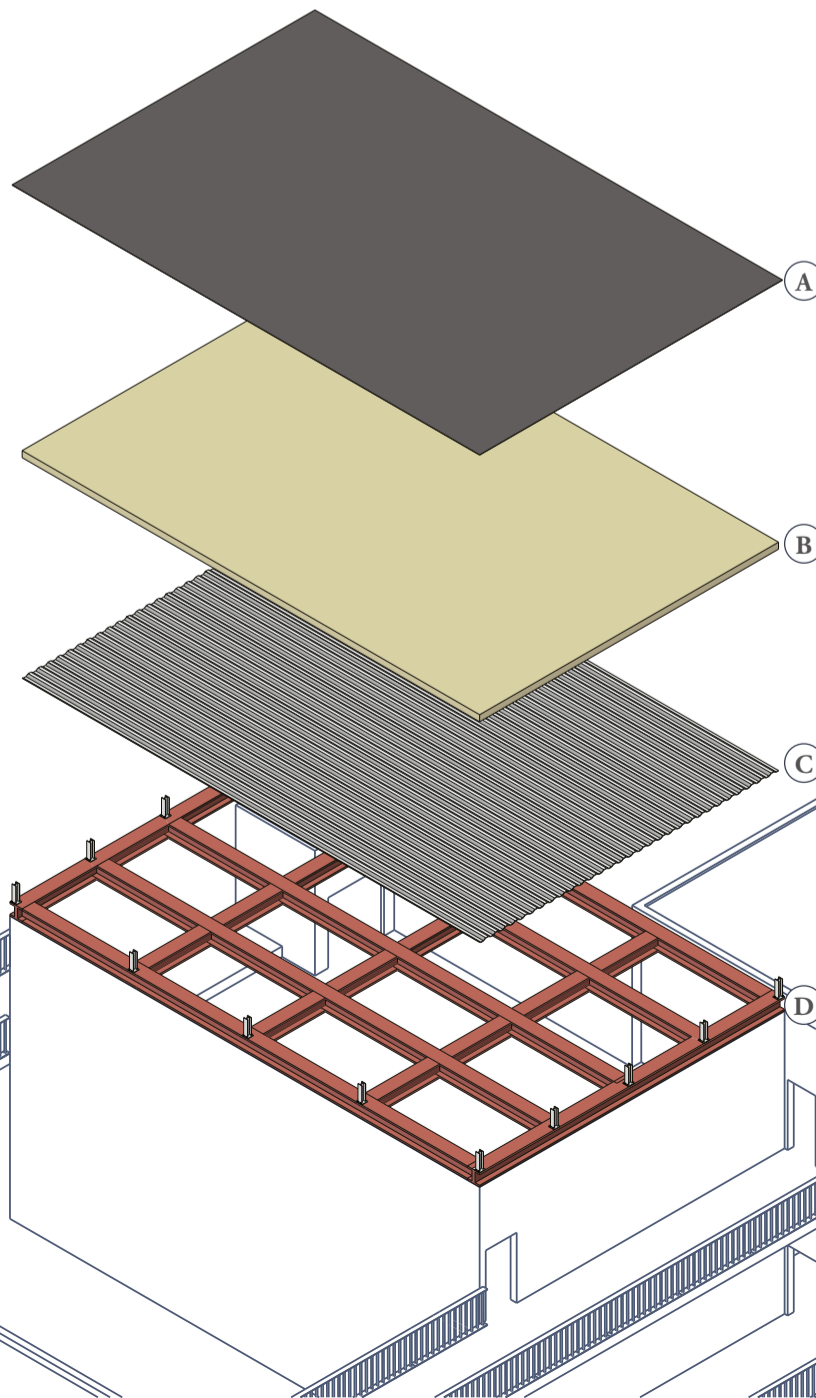
3. Steel grid ceiling



With inspiration from French's industrial past, my structural approach embarked on a steel-framed structure, with exposed members. Connections between two beams would consist of a fin plate connection, with the corner resting on a column and an end plate. Fin plate connections have a key benefit, being that they have high tying resistance, as well as being the fastest connection to erect.

For my exterior 'shell', cross bracing was to be utilised on the corners of the perimeter. This is to help with lateral loads exerted by wind, keeping the building stable.

My last key structural system is my use of a structural grid ceiling design, following a 2.5 x 2.5m grid. With the ceiling beams connected with fin plates, the grid allows for seamless modularity in my building, allowing for changes to be made in the building for future generations.



A - Single ply roof finish

B - Rigid insulation

C - Steel decking ceiling

D - Steel parapet posts attached to beams

## Exterior Render of Arnos Avenue

*Produced with SketchUp and Procreate*



# Arnos Avenue

## A Community Led Housing Project

*Year 2 Architecture and Design Studio*

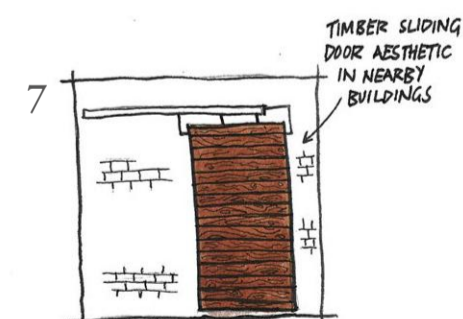
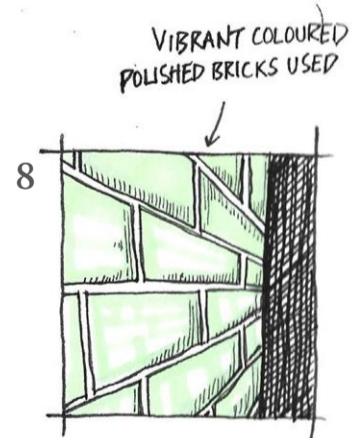
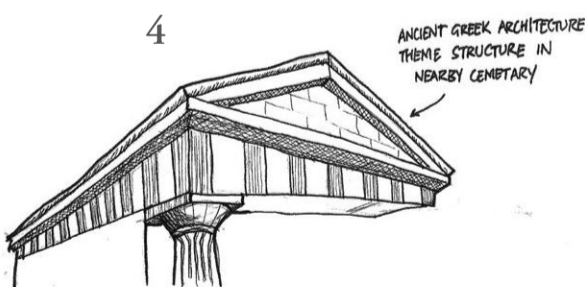
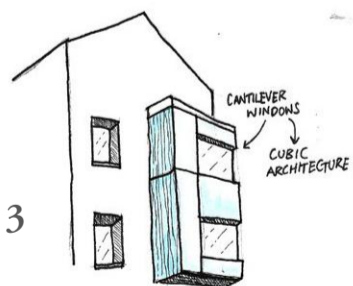
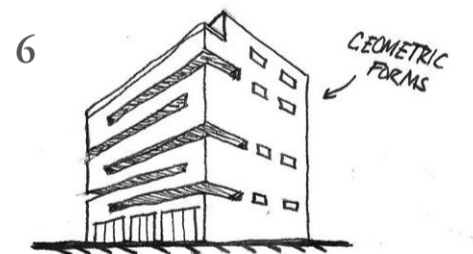
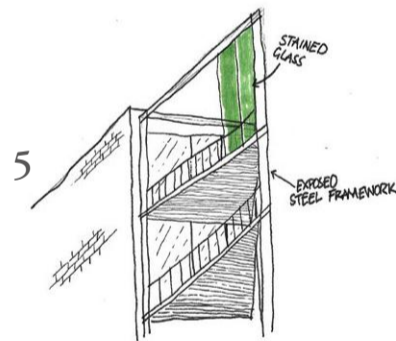
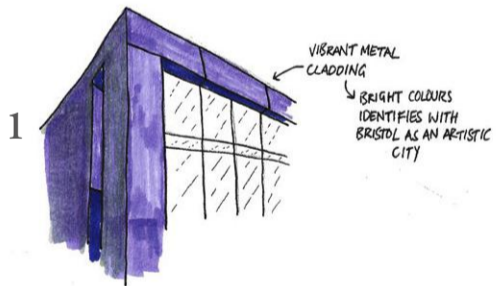
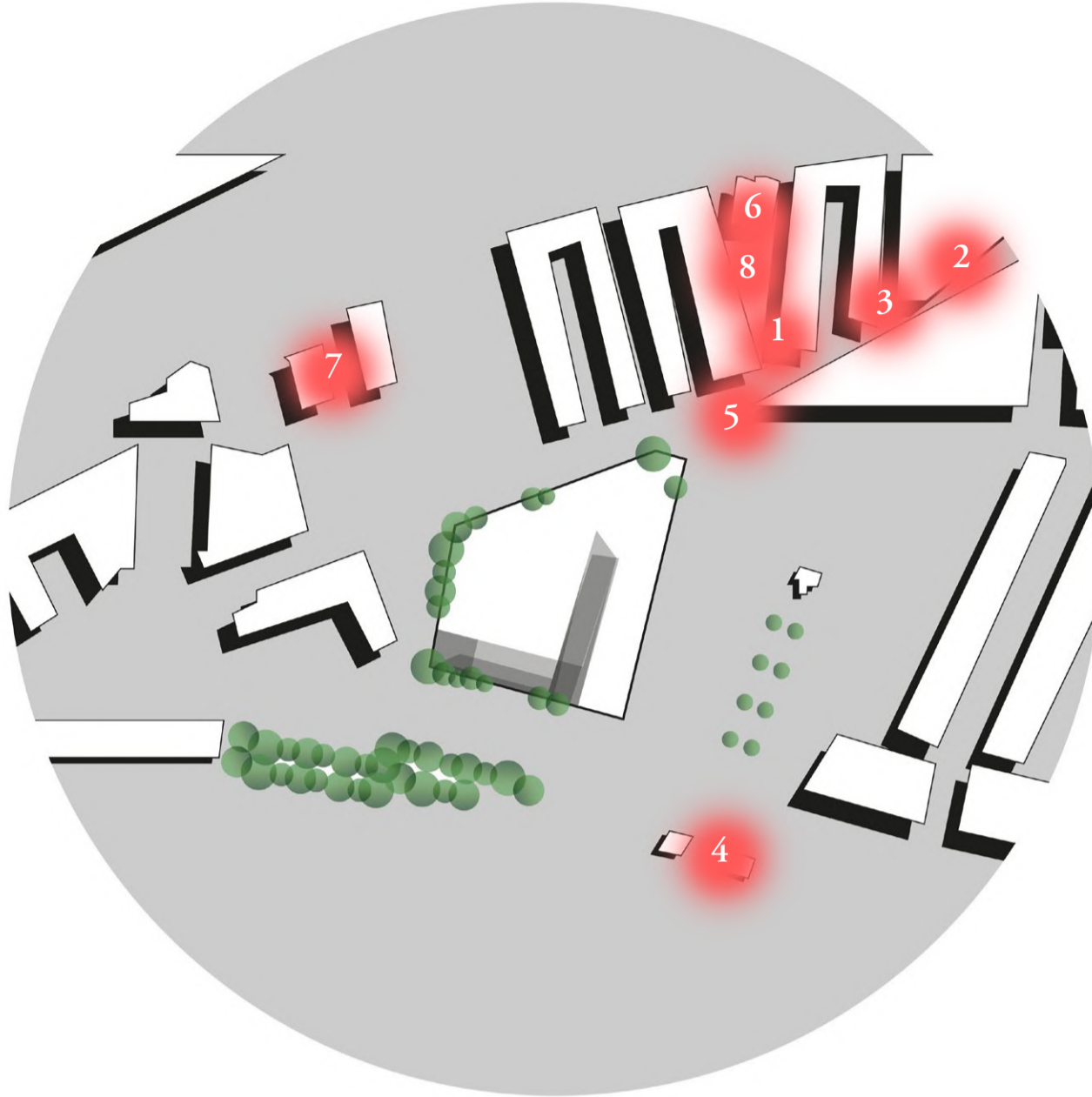
A co-housing scheme driven to cater for an intergenerational user group composed of refugees, students and creative professionals, with aims to tackle a housing crisis and climate emergency. The project is rooted with extensive research and analysis of the local area and community. The goal was not only to develop new residential units but also establish a vibrant hub catering to the needs and aspirations of all residents in the district.

My projects design implements shared spaces, whereby occupants are encouraged to collaborate, share ideas, and connect.



# Site Sketches

Produced with Sketching and Illustrator



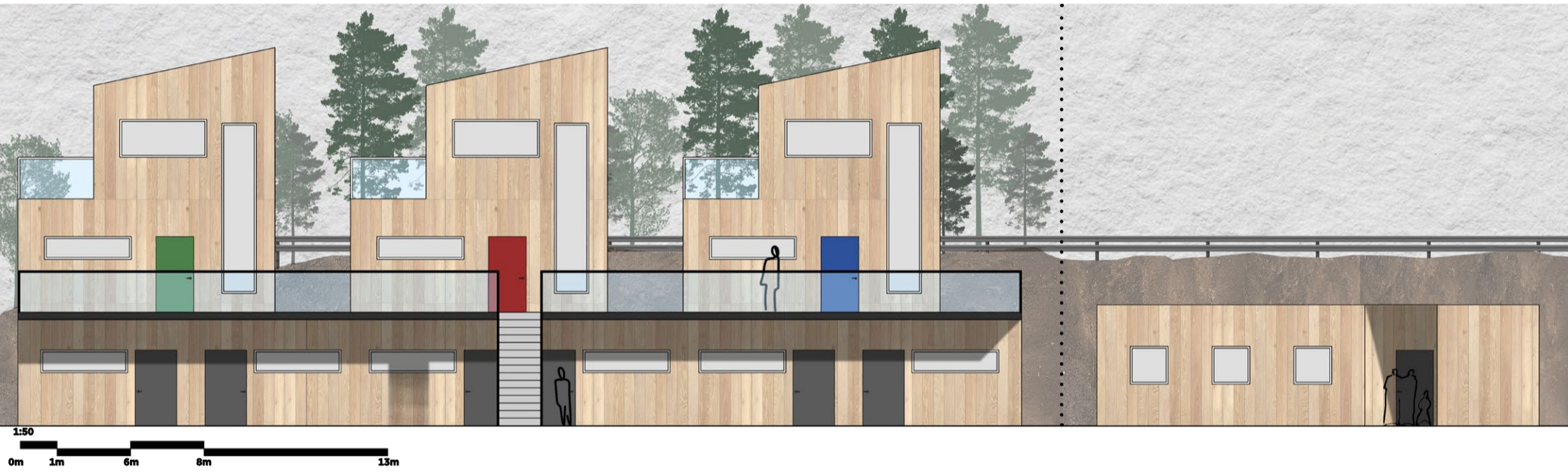
Visiting the site was vital to gaining an idea of the culture of Paintworks in Bristol. Understanding the aesthetics the area embraced gave me insight into how I could make my project blend seamlessly into the surrounding landscape. Through careful observation and site sketches, I was able to capture the unique character and architectural style of the area, which guided my design choices to create a harmonious integration with the existing environment. This hands-on experience provided a deeper understanding of the local context, ensuring that my project not only met functional requirements but also respected and enhanced the visual and cultural identity of Paintworks.

# Elevation of Creative Professional and Refugee Terrace Units

*Produced with AutoCAD and Photoshop*



# Elevation of Creative Professional, Student and Refugee Units

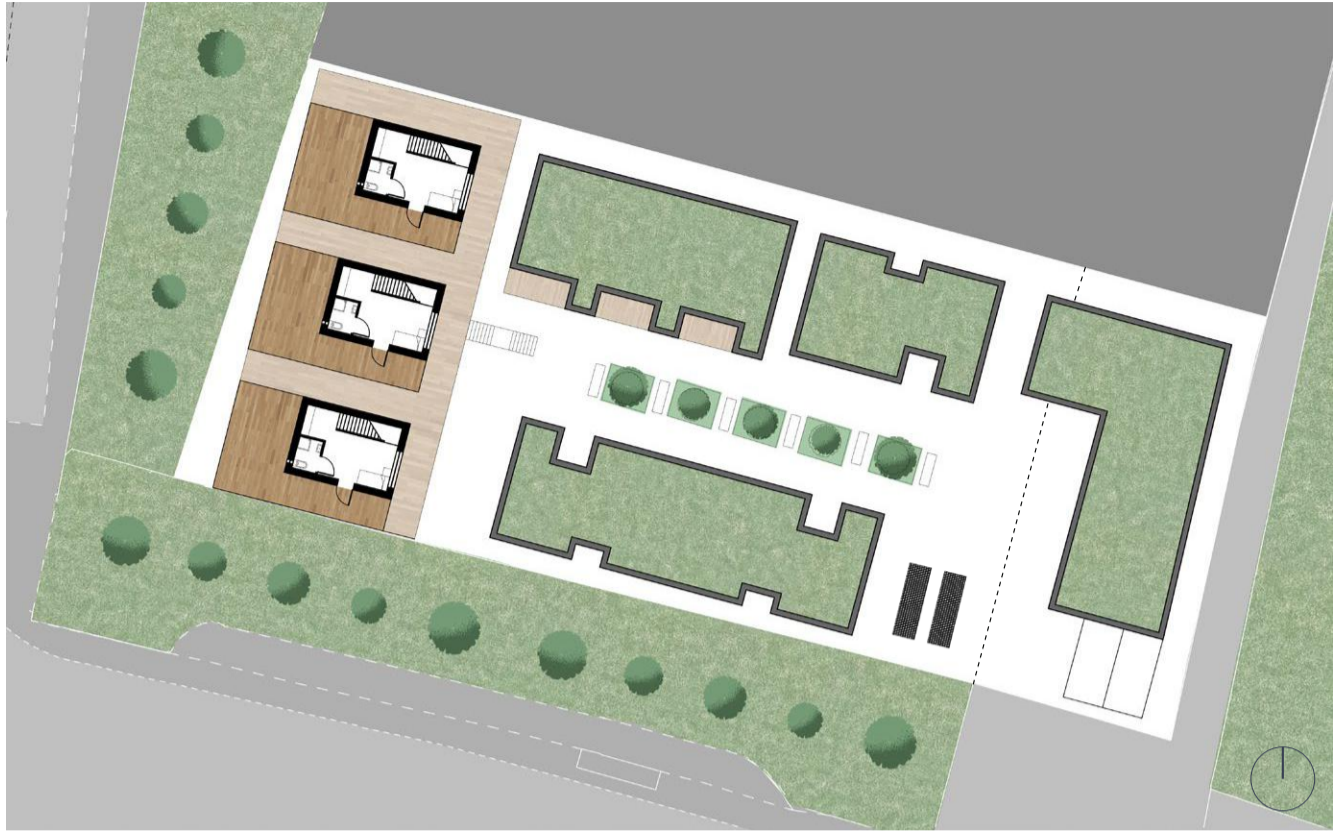


# Site Elevation



## Second Floor Plan

*Produced with AutoCAD and Photoshop*



## First Floor Plan



## Ground Floor Plan





## External Render of OCM House

*Produced with SketchUp and Twinmotion*



# OCM House

## A Short Compilation of Fine Art Portraits Achieving Contrast

*Year 2 Design Representation*

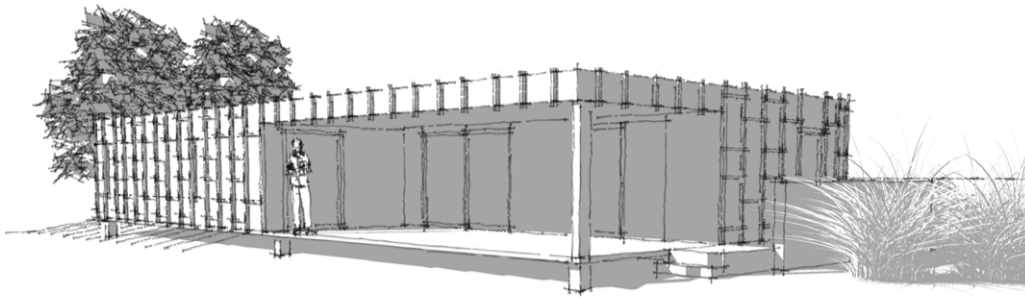
This project aims to recreate an architectural building in an attempt to become familiar with using Revit software and its core basics. Once modelled and furnished using families, schedules and legends were created and displayed in tables.

The OCM House is a modern, innovative residence designed to blend seamlessly with its natural surroundings. Its open-concept layout and large windows maximize natural light, creating a spacious and airy interior. Emphasising sustainability, the house incorporates eco-friendly materials and energy-efficient systems.

# 3D Modelling Pre-Renders

Produced with SketchUp

## Sketched Style



## Coloured Style



## Site Plan

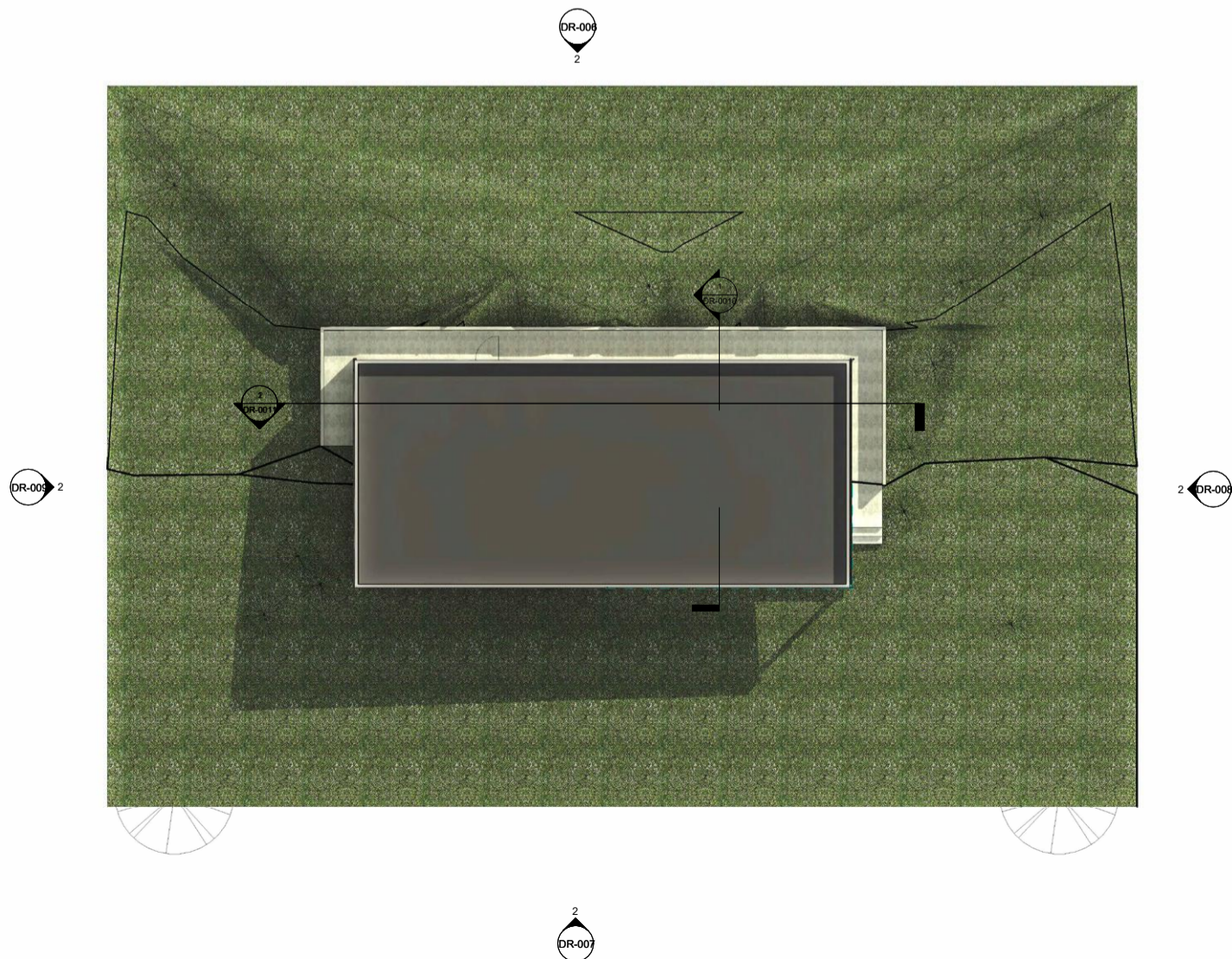
Produced with Revit

A2



IN THIS ASSIGNMENT, STUDENTS NEED TO MODEL A HOUSE FROM THE ARCHIVAL WEBSITE TO LEARN THE SOFTWARE REVIT. THIS IS A HOUSE THEY HAVE NOT DESIGNED THEMSELVES, AND CONSIDERING THERE ARE SOME LIMITATIONS TO UNDERSTANDING HOW THE HOUSES ARE, THE FOLLOWING HAS BEEN CONSIDERED:

- THE STUDENTS ARE NOT REQUIRED TO MODEL BUILDING ELEMENTS IN DETAIL (E.G. PRESENT ALL THE LAYERS OF A WALL).
- THE STUDENTS ARE NOT REQUIRED TO PRESENT STRUCTURAL INFORMATION THAT IS NOT COMPLETELY COMMUNICATED ON THE WEBSITE (E.G. FOUNDATIONS).
- THE STUDENTS ARE JUST REQUIRED TO PREPARE THE GROUND FLOOR PLANS, BASEMENTS AND UPPER ELEMENTS NEED TO BE MODELLED BUT DO NOT NEED TO BE PRESENTED IN PLAN VIEWS.



<b>UWE Bristol</b> University of the West of England	
NAME	
Adam Amawi	
STUDENT NUMBER	
Designer	
MODULE/ACADEMIC YEAR	
Design Representation, 22-23	
PROJECT	
Digital Portfolio 2	
DRAWING NAME	
Site Plan	
DRAWN BY	DATE
Adam Amawi	25/04/2023
SCALE (@A2)	
1 : 100	
DRAWING NUMBER	
DR-002	

Site Plan  
1 : 100

# Ground Floor Plan

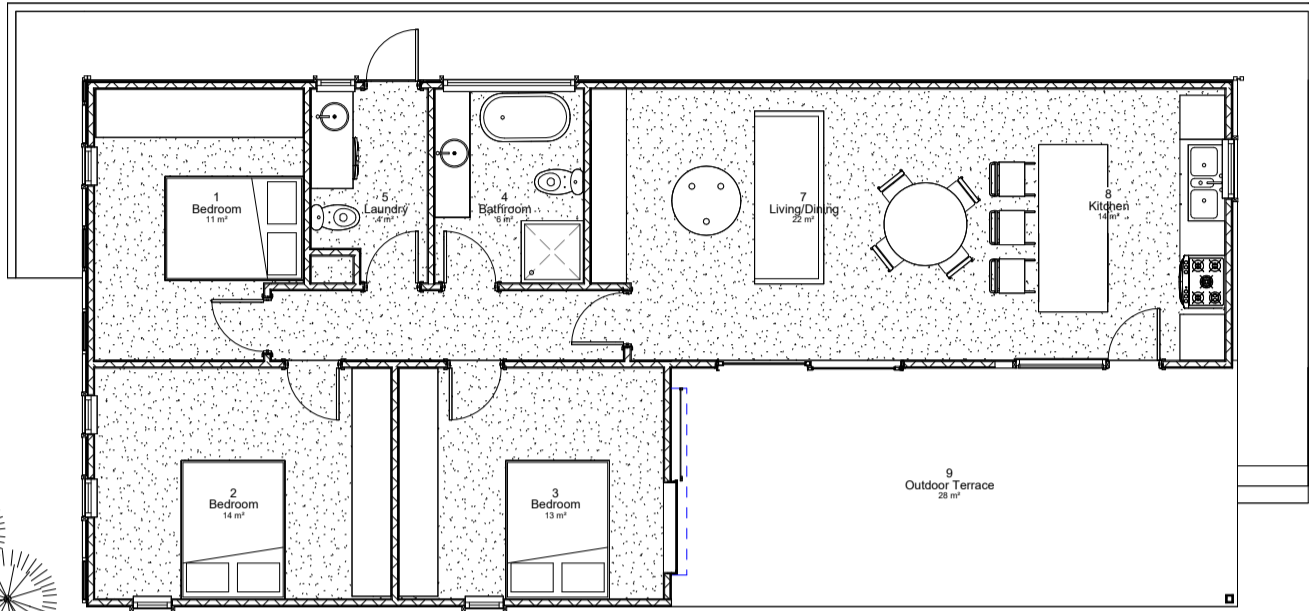
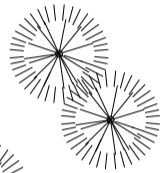
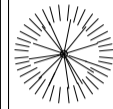
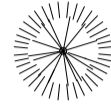
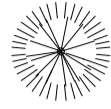
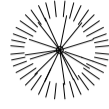
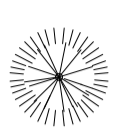
Produced with Revit

A2



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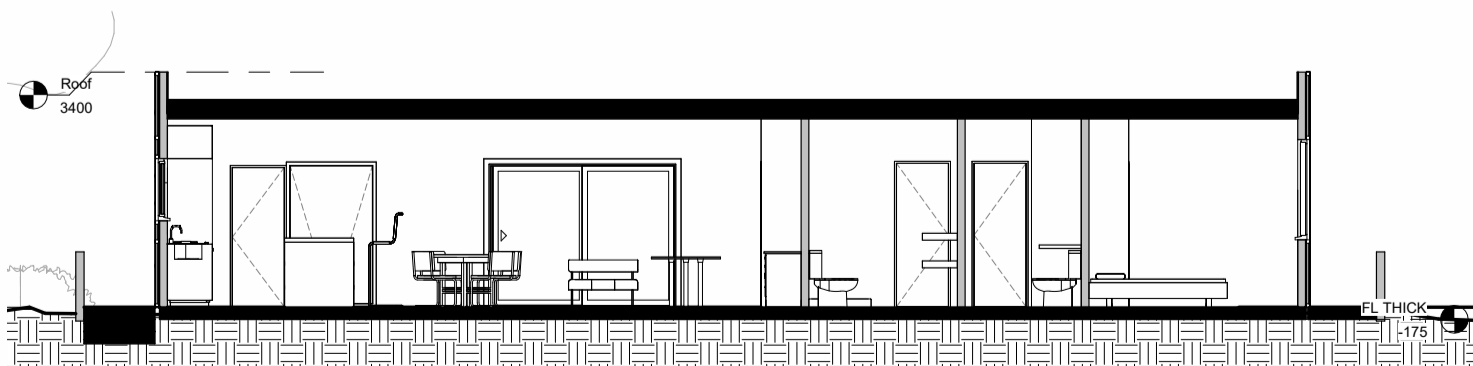
NAME	
Adam Amawi	
STUDENT NUMBER	
Designer	
MODULE/ACADEMIC YEAR	
Design Representation, 22-23	
PROJECT	
Digital Portfolio 2	
DRAWING NAME	
Ground Floor Plan	
DRAWN BY	DATE
Adam Amawi	25/04/2023
SCALE (@A2)	
1 : 50	
DRAWING NUMBER	
DR-003	

Ground Floor Plan  
1 : 50

## Section DR-009



Realistic Section 2  
1 : 50



Section 2  
1 : 50



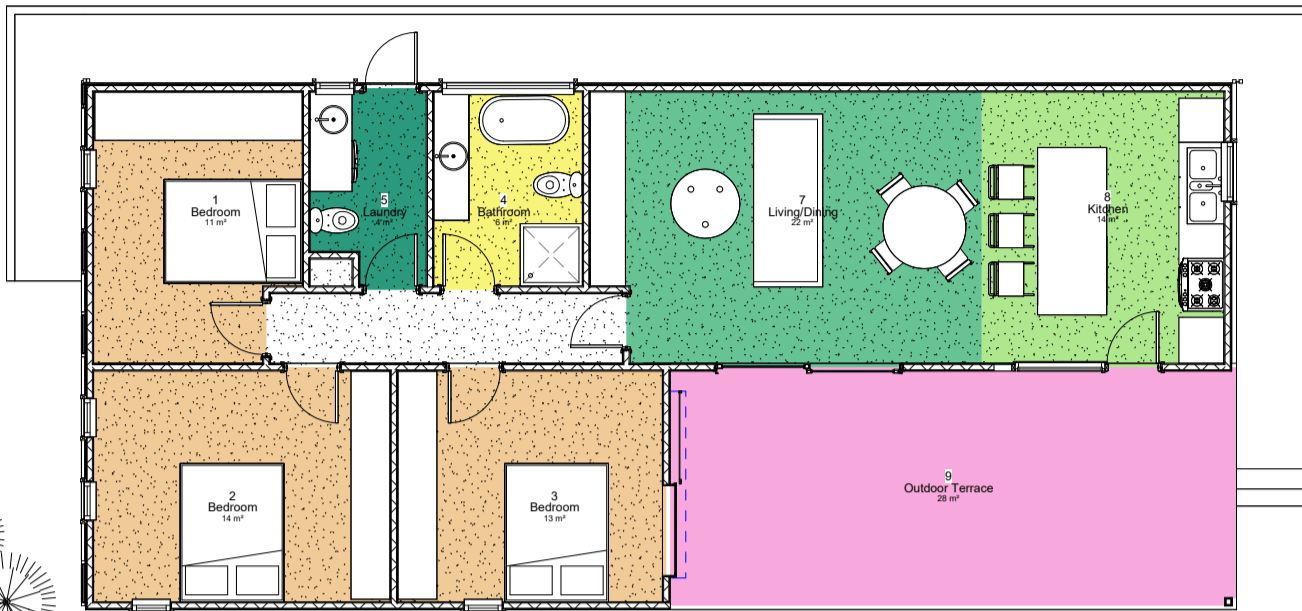
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Digital Portfolio 2	
DRAWING NAME	
Section 2	
DRAWN BY	DATE
Adam Amawi	25/04/2023
SCALE (@A2)	
1 : 50	
DRAWING NUMBER	
DR-0011	

# Room Legend

Produced with Revit

A2

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## By Room Name Legend

- Bathroom
- Bedroom
- Kitchen
- Laundry
- Living/Dining
- Outdoor Terrace

Room Schedule		
Number	Name	Area
1	Bedroom	11 m²
2	Bedroom	14 m²
3	Bedroom	13 m²
4	Bathroom	6 m²
5	Laundry	4 m²
6	Living/Kitchen	Not Placed
7	Living/Dining	22 m²
8	Kitchen	14 m²
9	Outdoor Terrace	28 m²
9		112 m²

## Ground Floor Plan Room Legend

1 : 50



NAME	
Adam Amawi	
STUDENT NUMBER	
Designer	
MODULE/ACADEMIC YEAR	
Design Representation, 22-23	
PROJECT	
Digital Portfolio 2	
DRAWING NAME	
Ground Floor Plan Room Legend	
DRAWN BY	
DATE	
Adam Amawi	
25/04/2023	
SCALE (@A2)	
1 : 50	
DRAWING NUMBER	
DR-004	

27/04/2023 01:07:20

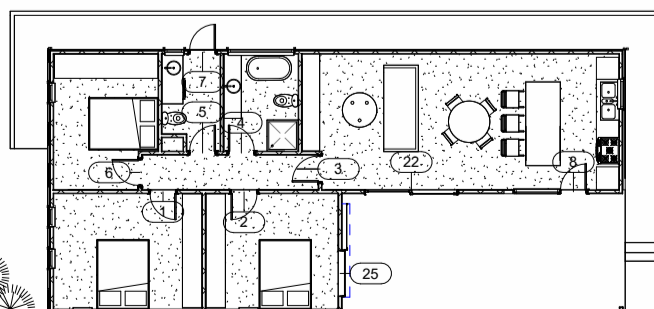
# Schedules

Type Mark	Plan View	Elevation View
52		
50		
42		
47		

## Door Legend

1 : 50

Door Schedule					
Type Mark	Mark	Type	Function	Height	Width
42	1	810x2110m	Interior	2110	810
42	2	810x2110m	Interior	2110	810
42	3	810x2110m	Interior	2110	810
42	4	810x2110m	Interior	2110	810
42	5	810x2110m	Interior	2110	810
42	6	810x2110m	Interior	2110	810
42	7	810x2110m	Interior	2110	810
47	8	810x2050m	Interior	2050	810
50	22	default load type catalog	Exterior	2070	2700
52	25	Automatic-Door_Single_Glgen_S L-PSA_Wit hout-Side-Panel_On-W all	Interior	2100	2700



## Ground Floor Plan with Door Tags

1 : 100



NAME	
Adam Amawi	
STUDENT NUMBER	
Designer	
MODULE/ACADEMIC YEAR	
Design Representation, 22-23	
PROJECT	
Digital Portfolio 2	
DRAWING NAME	
Door Schedule	
DRAWN BY	
DATE	
Adam Amawi	
25/04/2023	
SCALE (@A2)	
As indicated	
DRAWING NUMBER	
DR-0012	

27/04/2023 01:07:35



# Portraiture

## A Short Compilation of Fine Art Portraits Achieving Contrast

*A-Level Fine Art*

My journey in A-Level Fine Art comprised of specialising in portraiture. However, challenging myself within the realm of portraiture meant I was to experiment with mediums, styles, ages and scale. One of my sources of inspiration was artist Martin Javier Palottini, whose work embodied an unfinished style. An unfinished drawing can convey a sense of incompleteness, vulnerability, or open-endedness, reflecting the artist's state of mind or emotional journey. This can resonate with viewers who appreciate the raw, unpolished nature of these works.

**Biro Sketches - A4 Scale**

*Produced with Freehand Sketching*



**Pencil Sketches - A3 Scale**



**Charcoal Sketches - A2 Scale**

