Selected Works Portfolio

Adam Amawi

Adam Amawi

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Mobile: +44 7478 936763

A driven architecture graduate who excels in fast-paced environments, where strategic planning, problem-solving, and coordination are key. My experience with adaptive reuse, sustainable design, and building methods has given me a sharp eye for detail and a methodical approach to effectively completing projects. In addition to architecture, I have effectively planned major community gatherings, managing logistics, interacting with stakeholders, and meeting deadlines—all of which have improved my coordination and leadership abilities. With a proactive approach and a willingness to oversee complex projects from start to finish, I am excited to contribute to significant developments while enhancing my project management skills.

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)

Software/Technical Skills

- Adobe Creative Suite
- AutoCAD
- Revit
- SketchUp
- Procreate
- Microsoft Office Package
- Sketching & Model Making

- Report Writing
- Organisation
- Time Management
- Cost Management
- Problem Solving

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

Mohummed 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
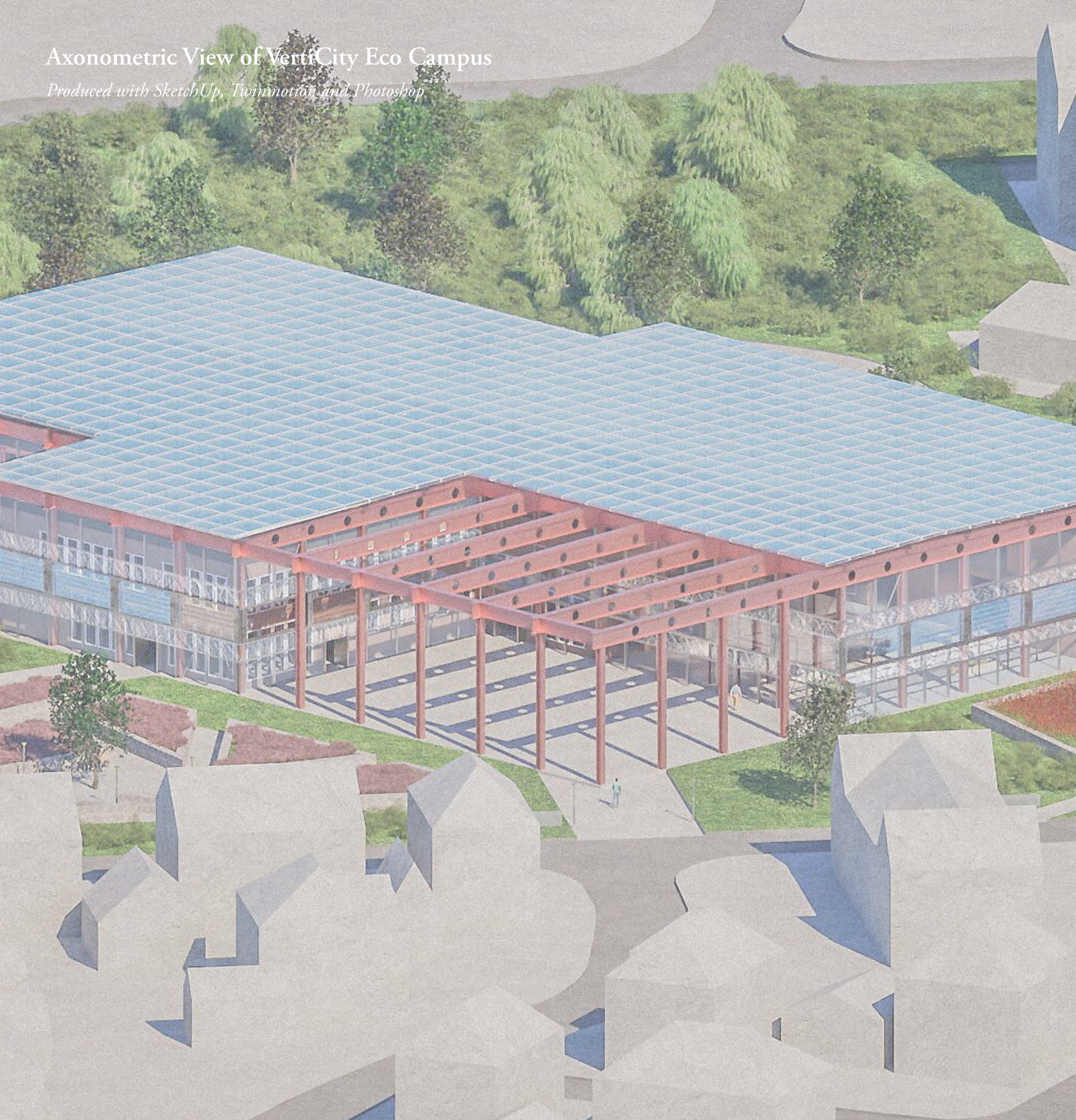Telephone: +44 11732 81229
Email: Nick.Drofiak@uwe.ac.uk

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.
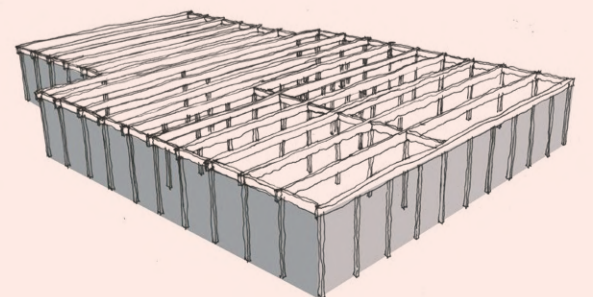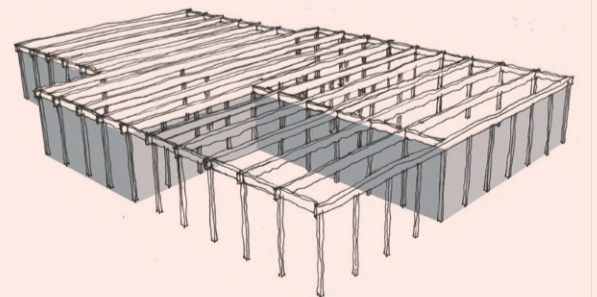
Site Context

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.

Nature Conservation (Policy L8)

Green Belt (Policy GB1)

River / ponds

Open Space to be protected (Policy L5)

Adjoining Conservation Areas

Listed Buildings (Policy L13, L14)

Locally Listed Buildings - excluding curtilage (Policy L15)

Site

Historic Parks & Gardens (Policy L10)

SITE

Manifesto

Produced with Illustrator

A Familiar Place to **Connect**

A Familiar Place to **Celebrate**
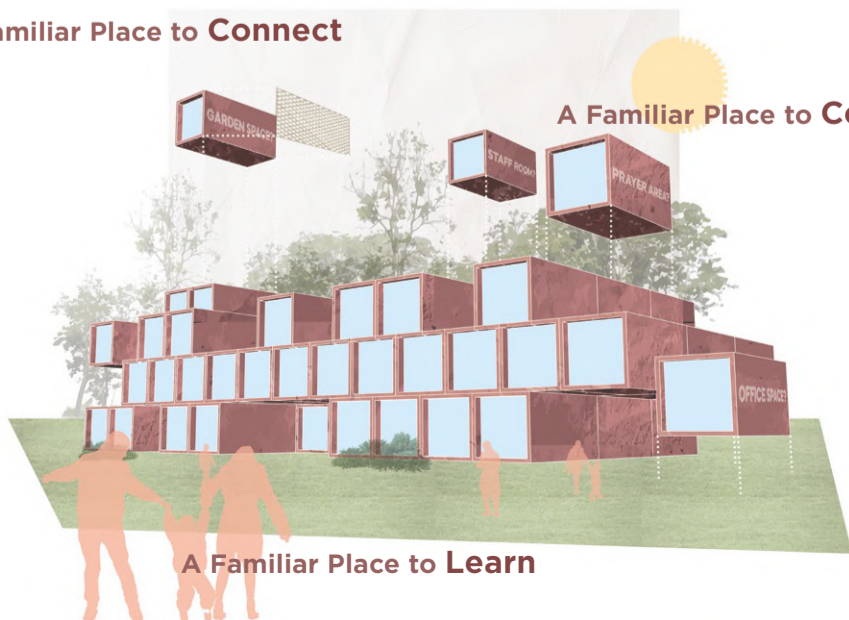
A Familiar Place to **Learn**

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.
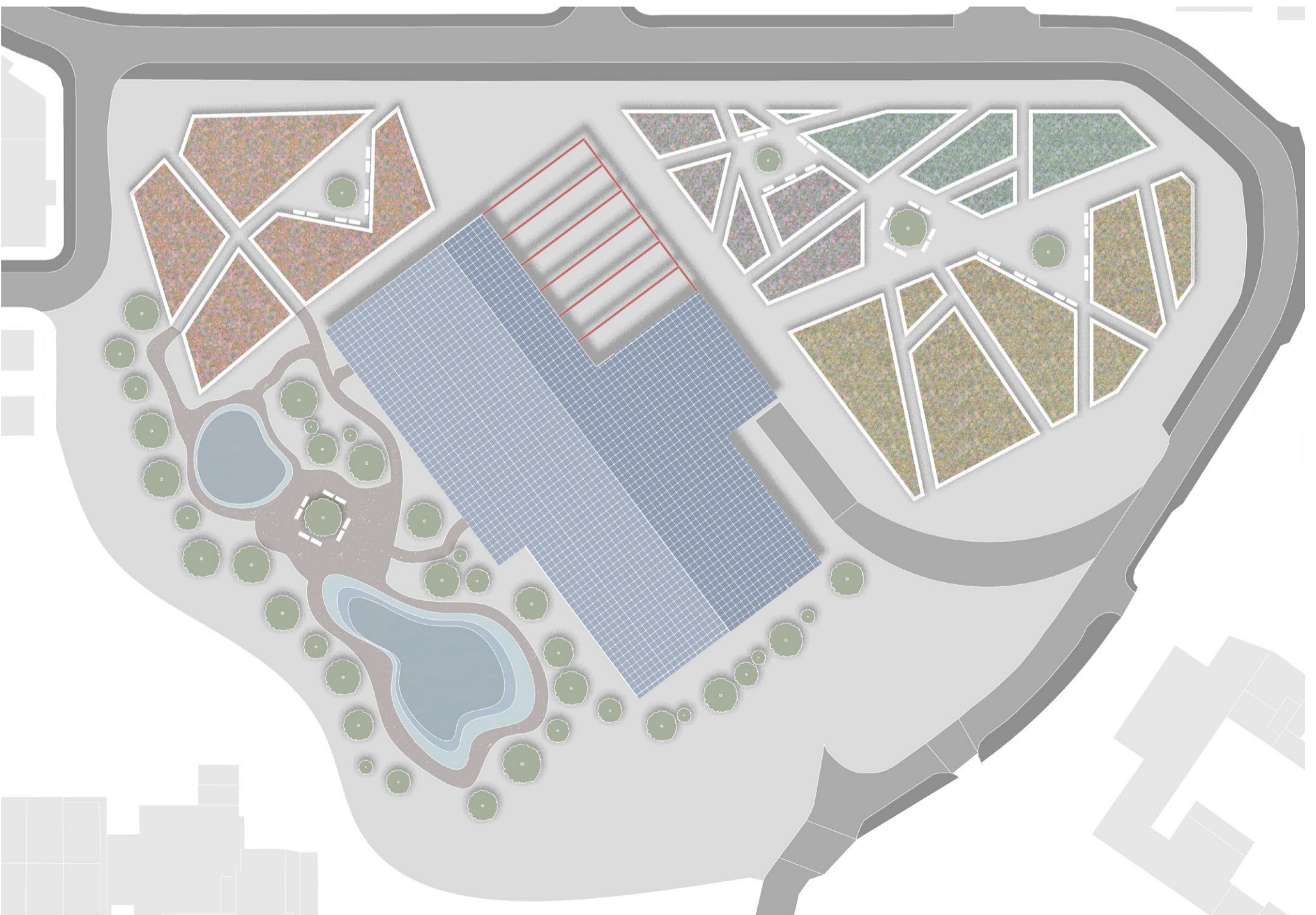
Axonometric View

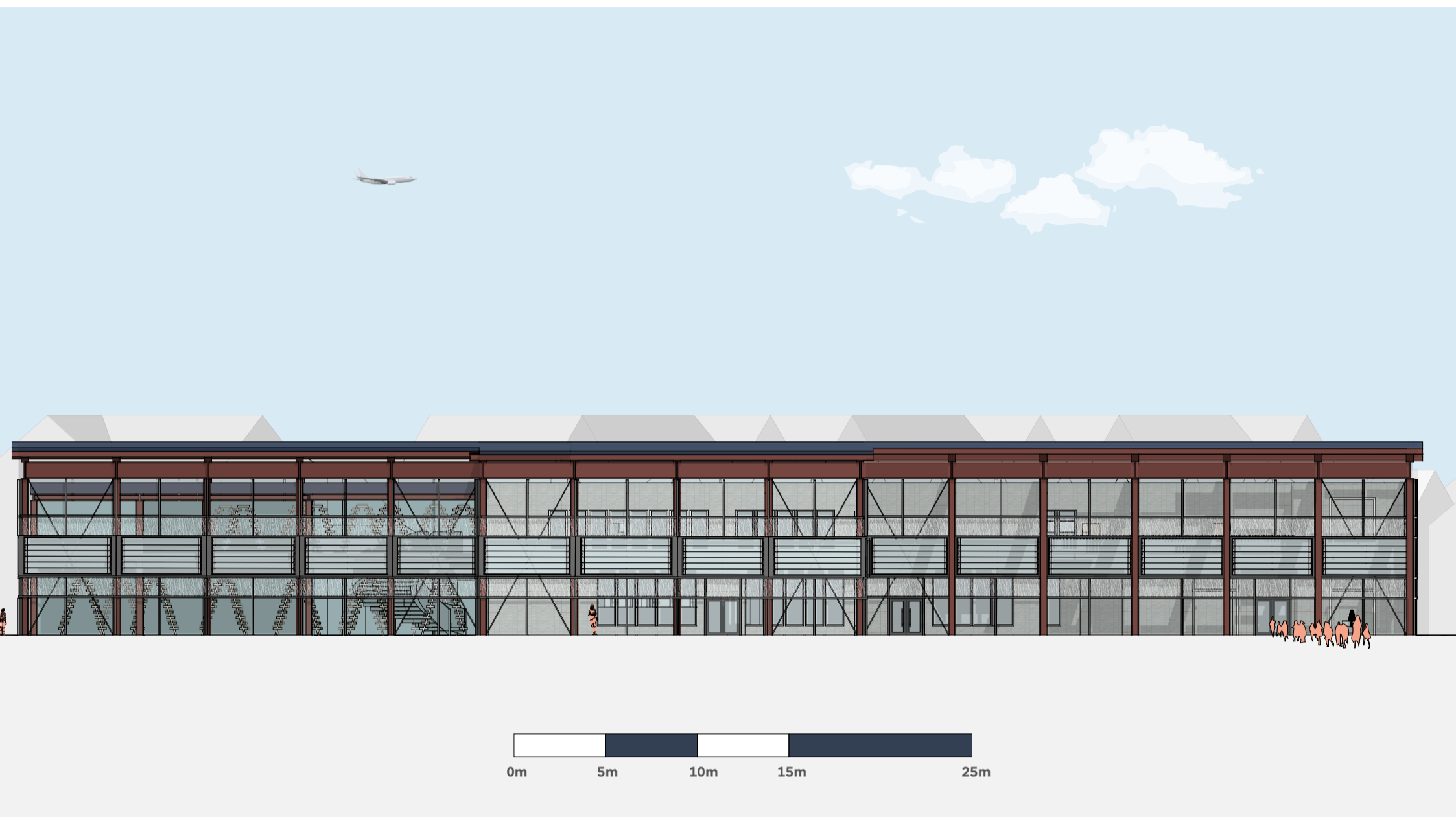*Produced with SketchUp, Twinmotion and Photoshop*
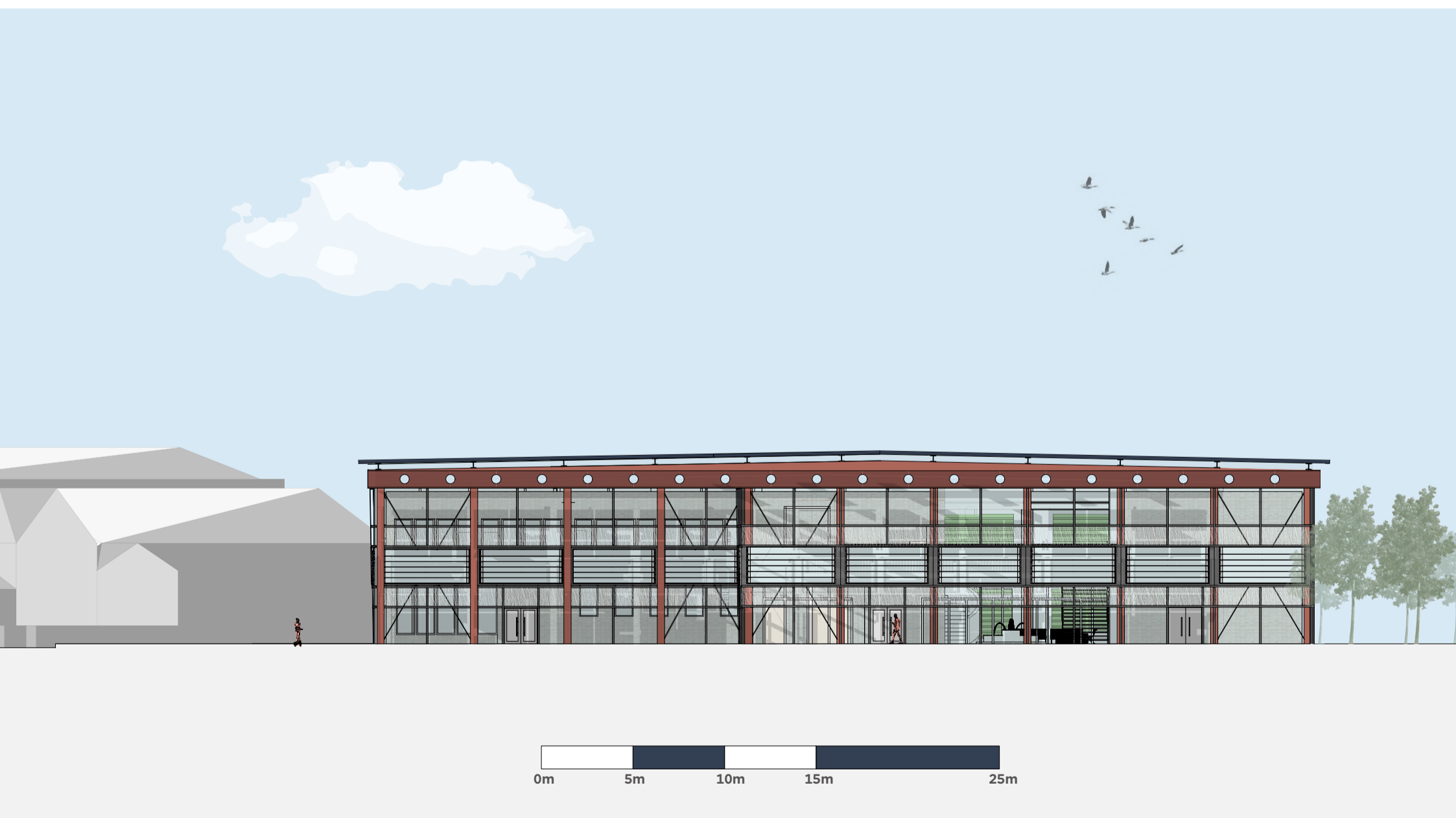

Site Plan

Produced with AutoCAD and Photoshop

0m 5m 10m 15m 25m

North-West Elevation

Produced with SketchUp and Illustrator

0m 5m 10m 15m 25m

North-East Elevation

0m 5m 10m 15m 25m

First Floor Plan

Produced with AutoCAD and Illustrator

B

A   **A**

B

Ground Floor Plan

B

A   **A**

B
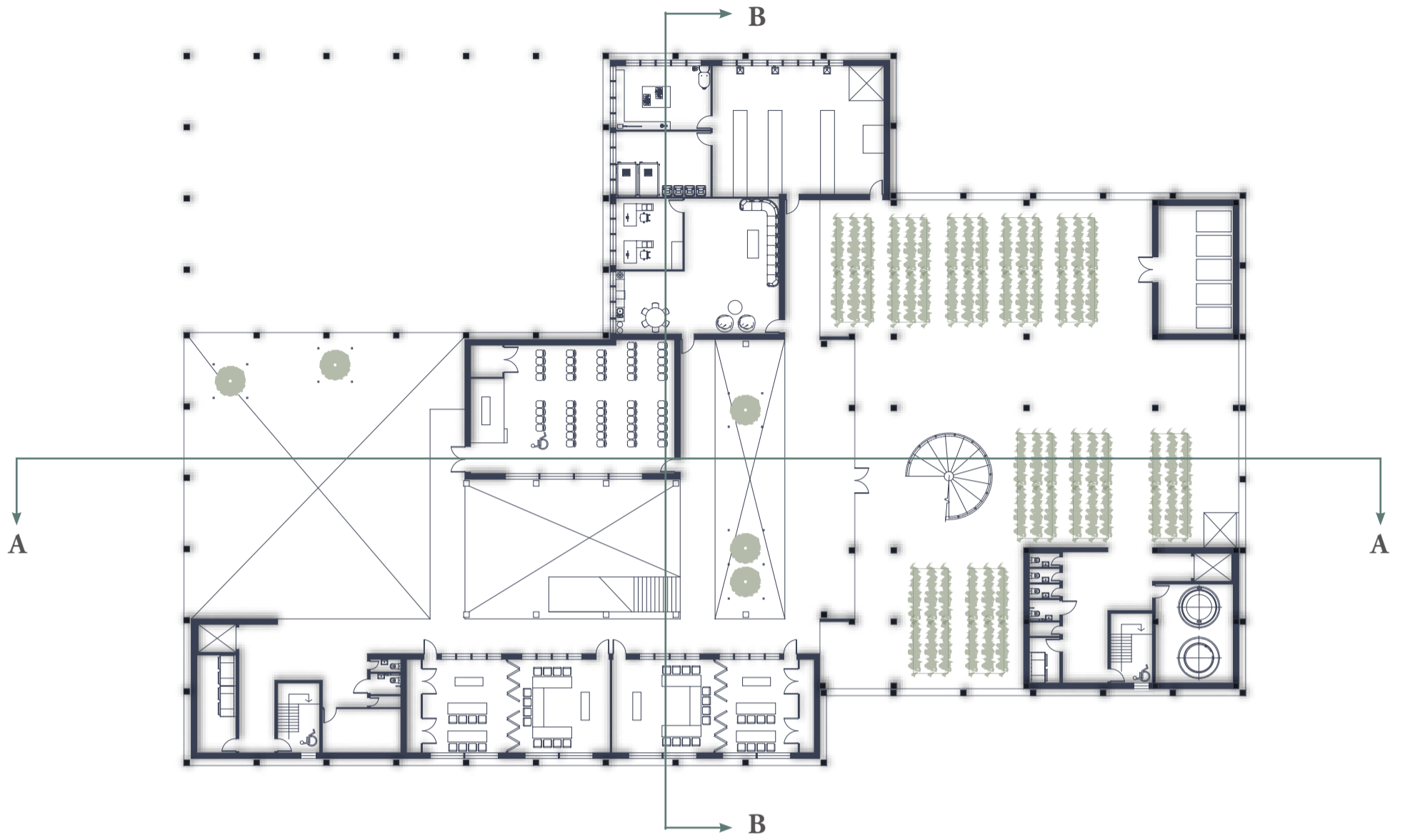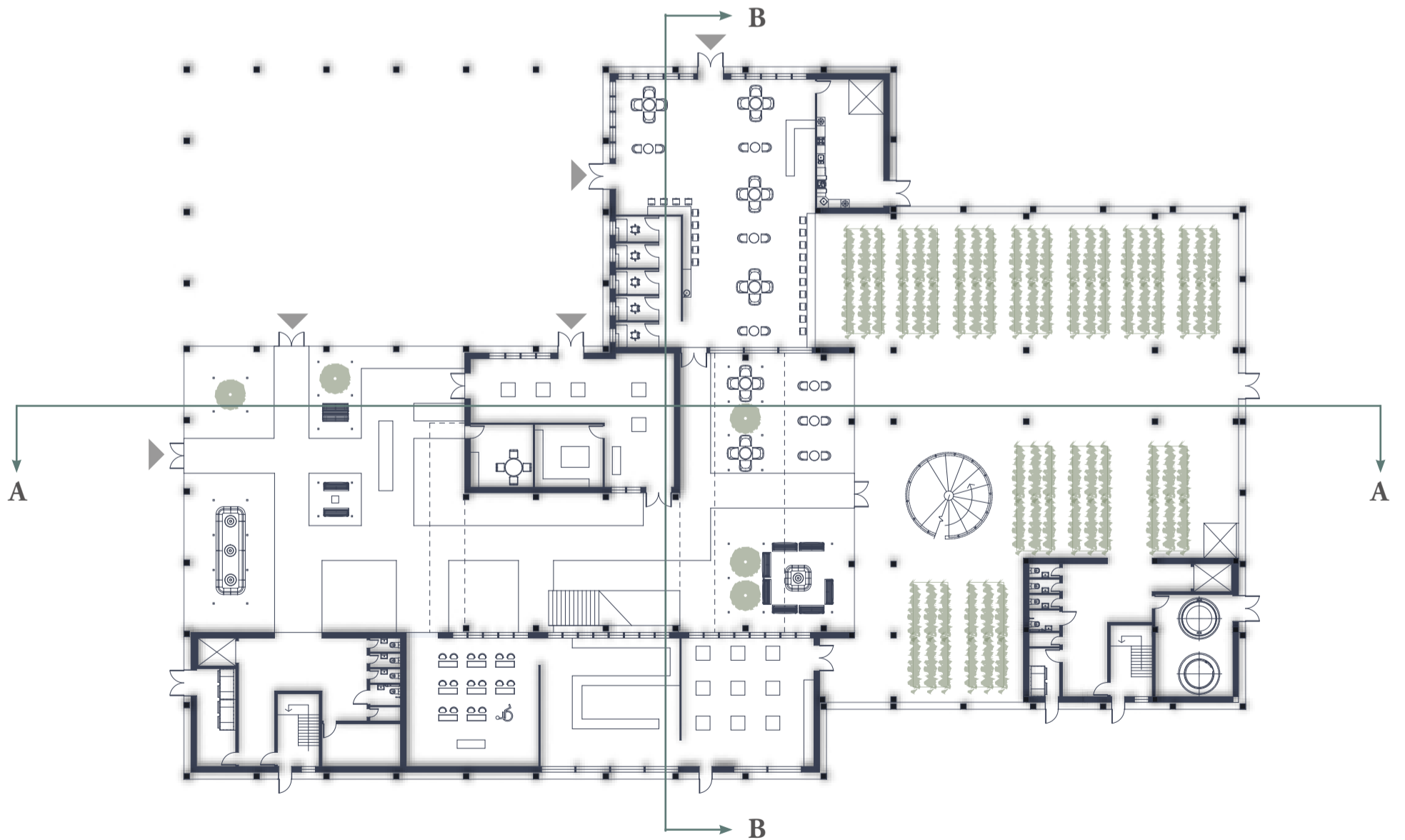
0m   5m   10m   15m   25m

Section AA

Produced with SketchUp and Illustrator

0m   5m   10m   15m   25m

Section BB
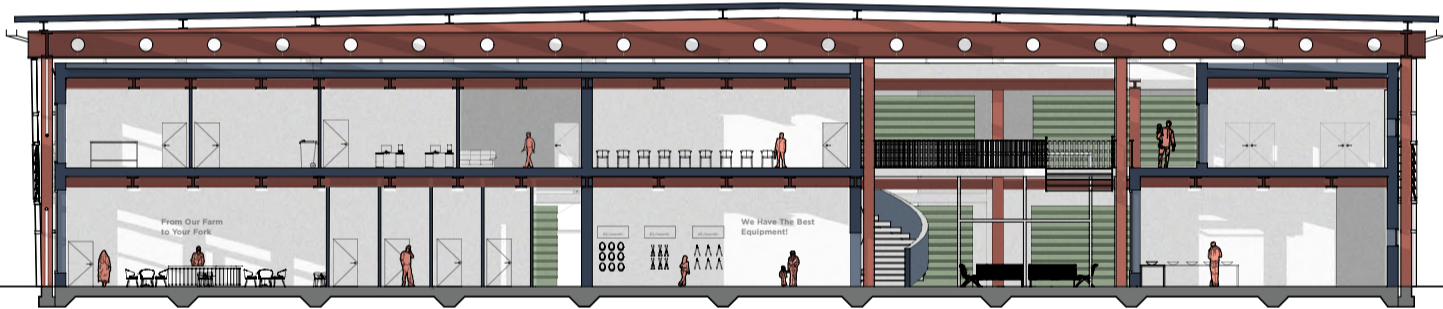
0m   5m   10m   15m   25m

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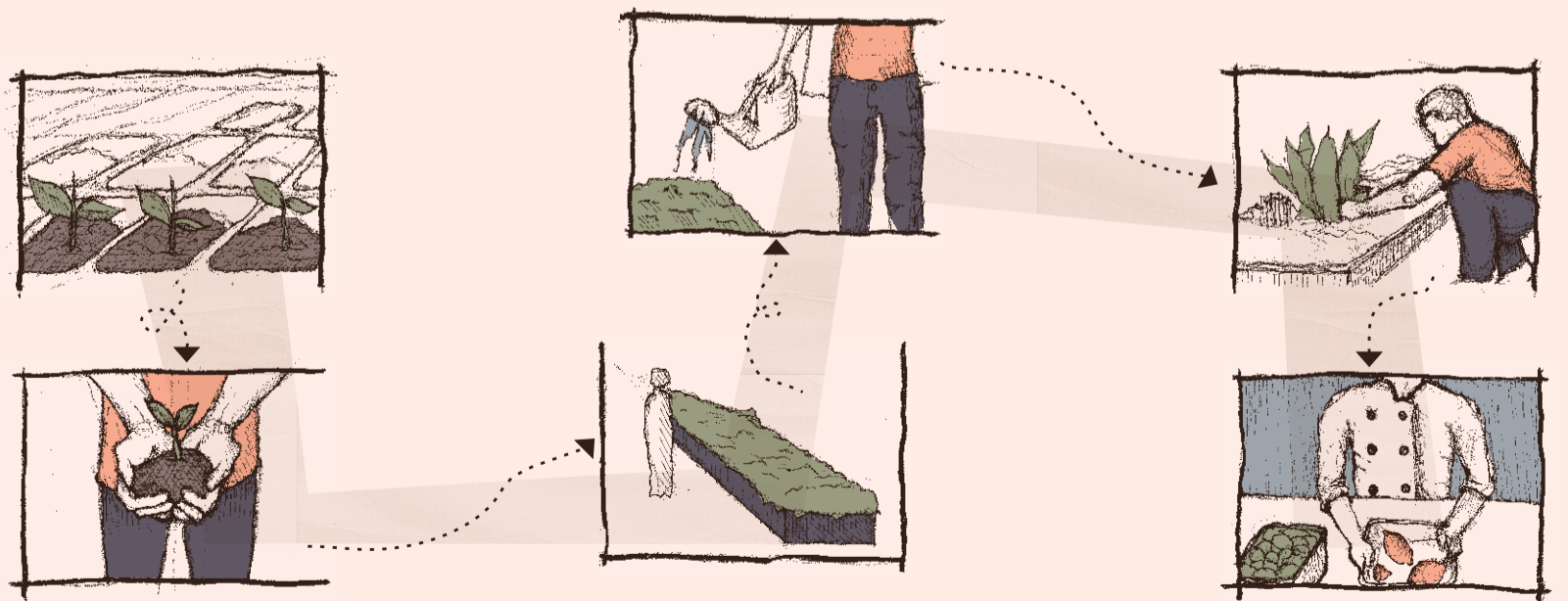
The seeds of *today*
are the flowers of *tomorrow*

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

RENTED FARMING RACKS ↑

Exterior Render of Flower Festival Landscaping

Vertical Farming Systems and Facade Details

Produced with AutoCAD, Illustrator and Sketching
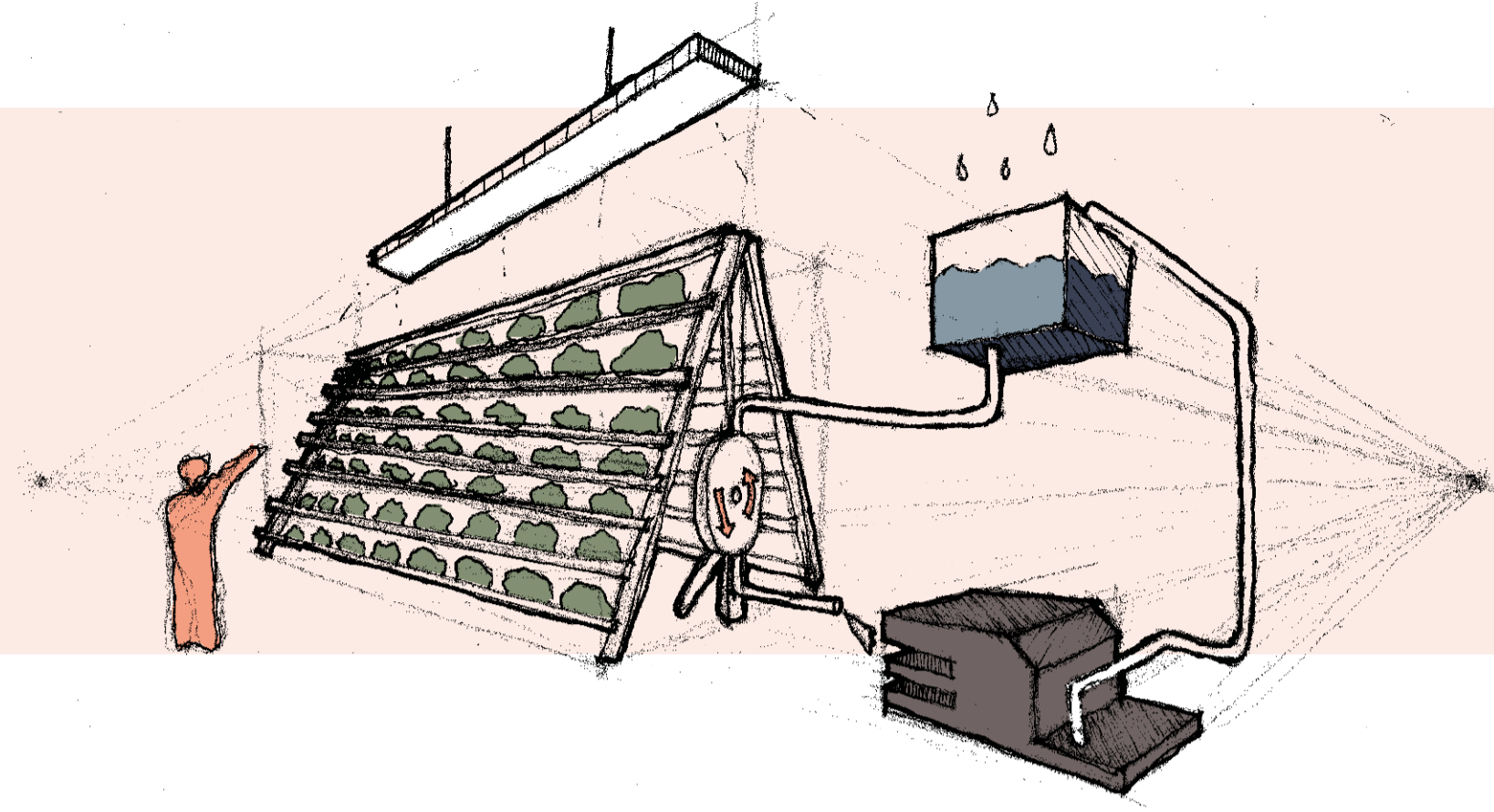
The sketch shown illustrates my vertical farming strategy, implementing a hydrolic-green technology which rotates the racks of plants, providing consistent sunlight and watering. Rain water is diverted to rotate pulley system, rotating the racks three times a day.
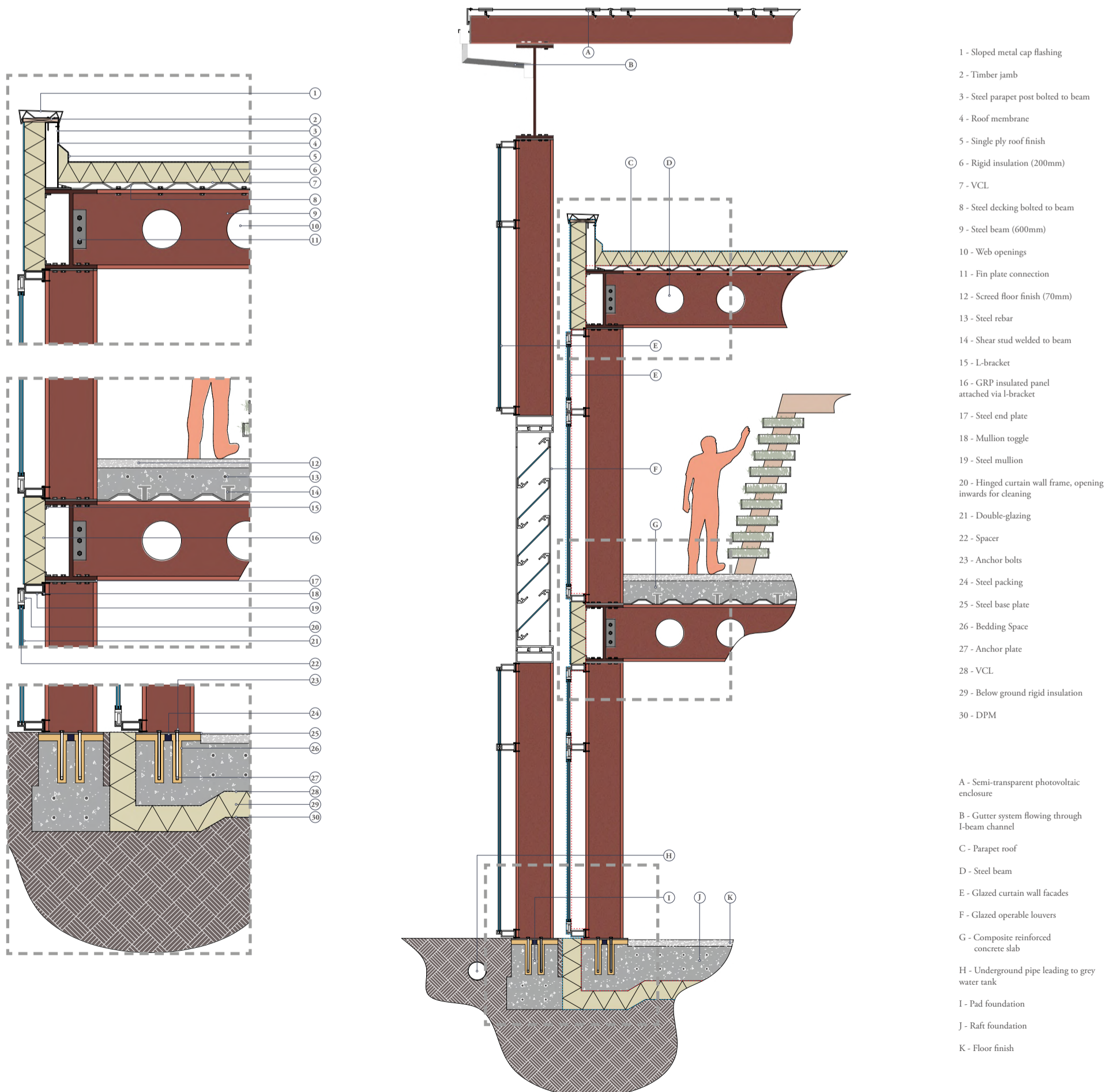
1 - Sloped metal cap flashing

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

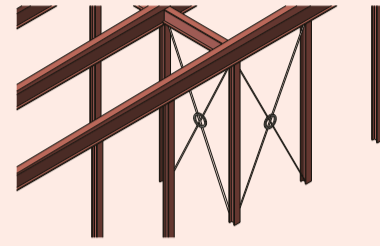K - Floor finish

Primary and Roof Structure

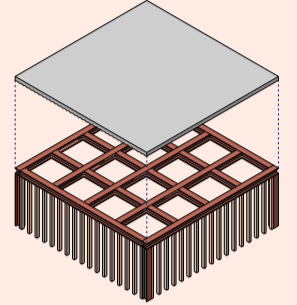*Produced with SketchUp and Illustrator*
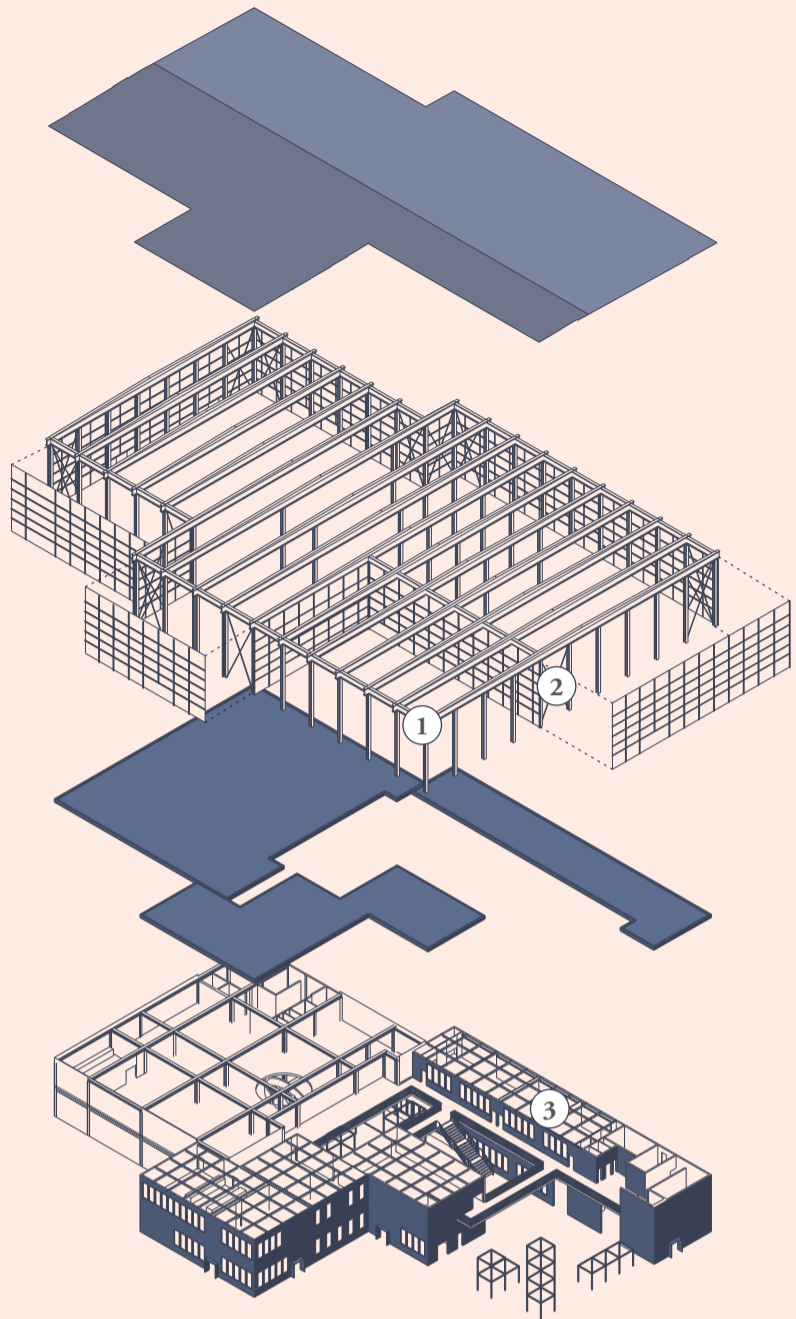


1. Fin plate connection
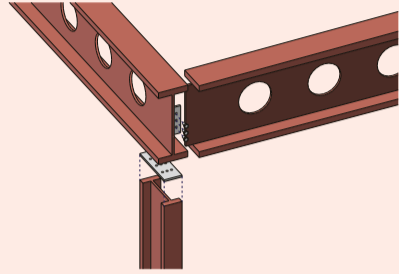
2. Cross bracing

3. Steel grid ceiling

With inspiration from Frenchays 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.
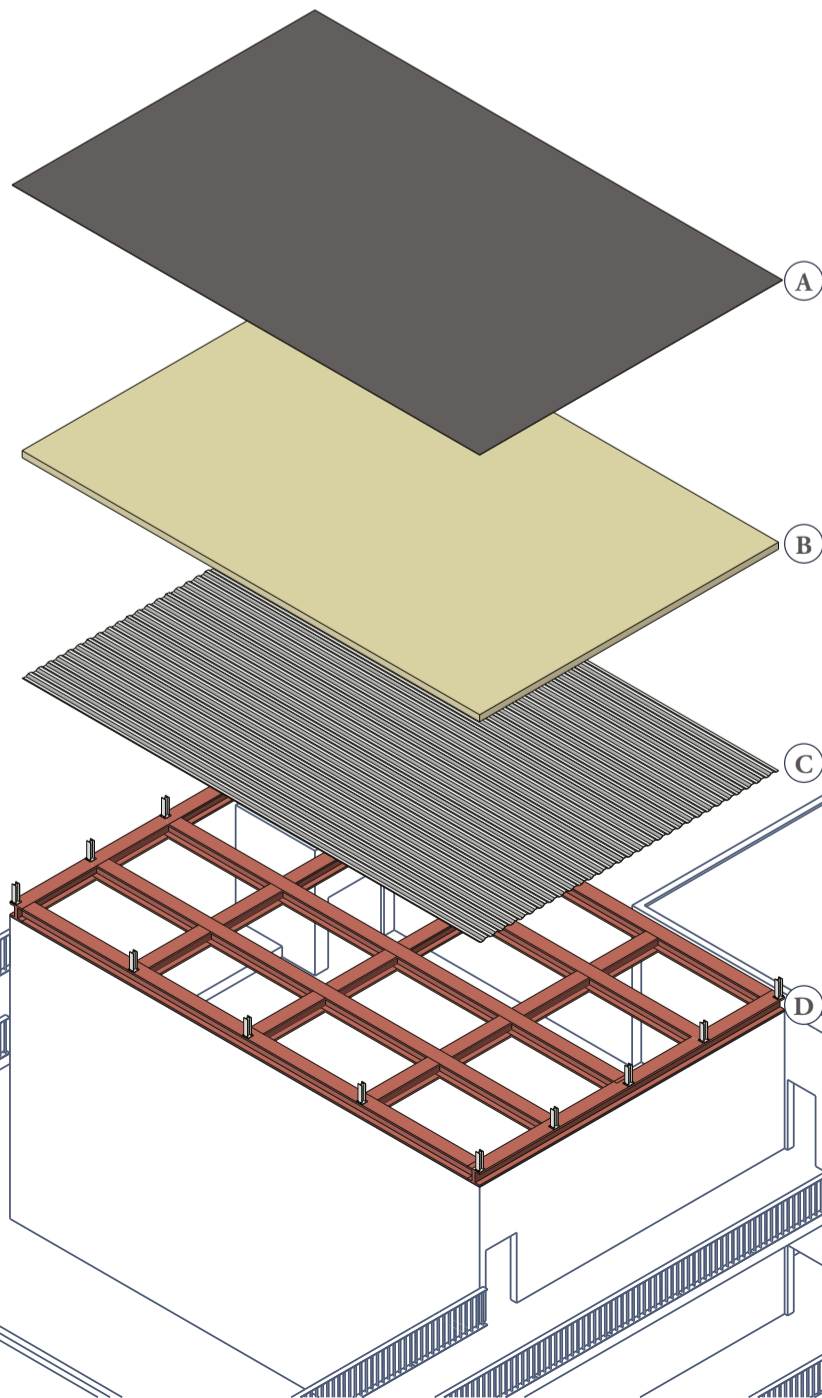
A - Single ply roof finish
B - Rigid insulation
C - Steel decking ceiling
D - Steel parapet posts attached to beams

Arnos Avenue

A Community Led Housing Project

Year 2 Architecture and Design Studio

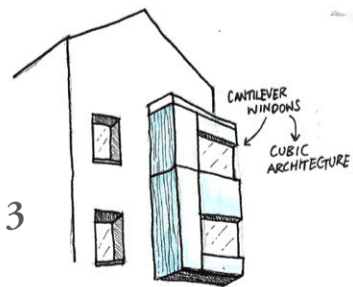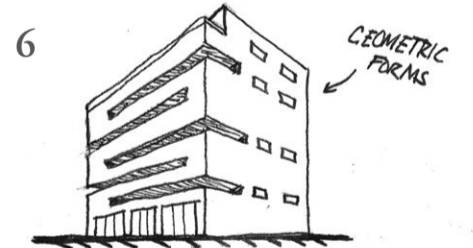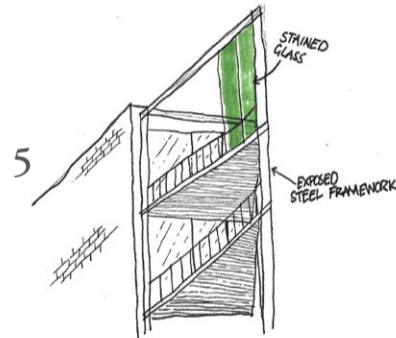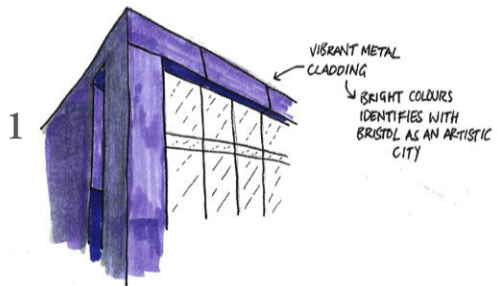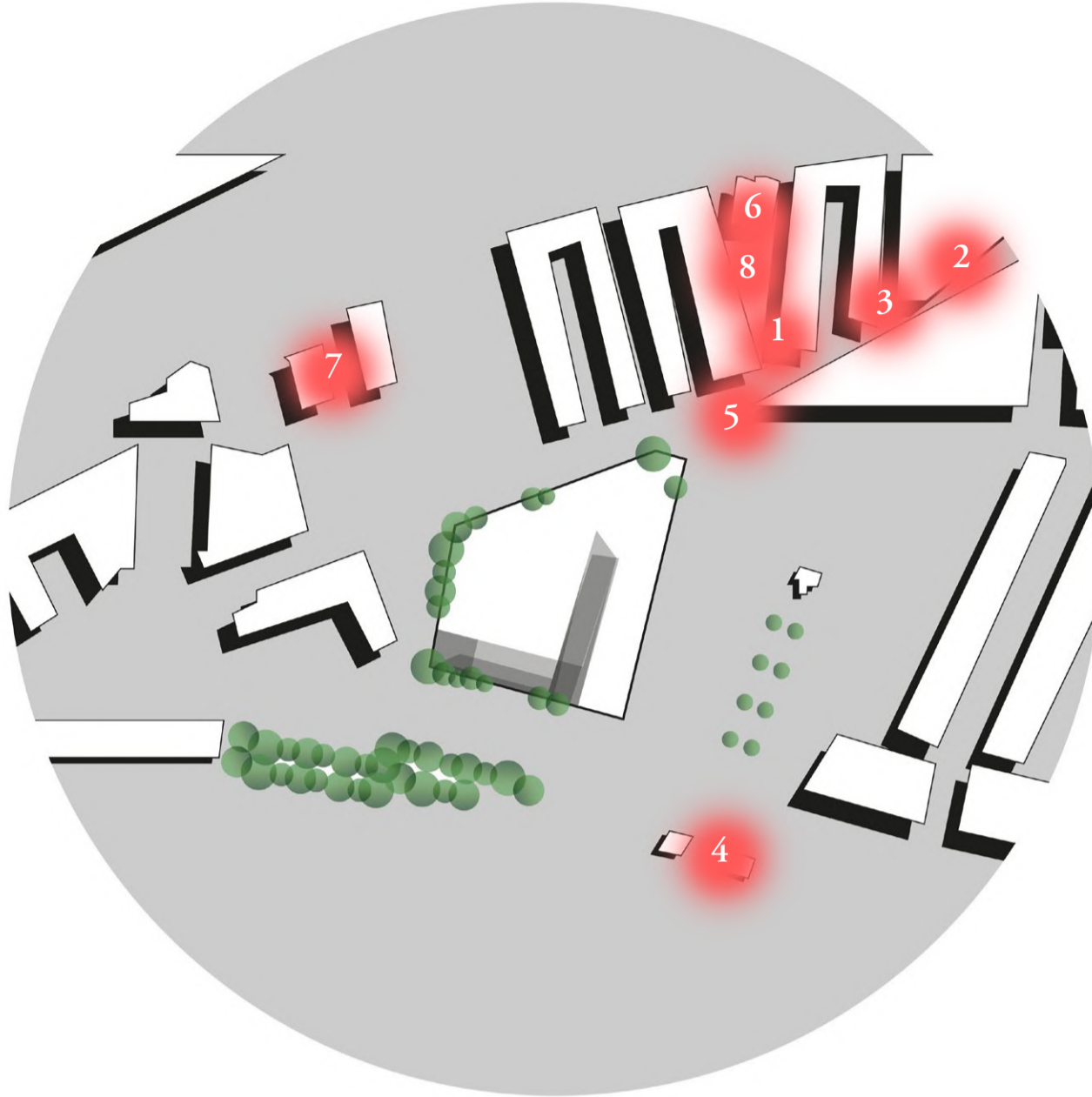A co-housing scheme driven to cater for an intergenerational user group composed of refugees, students and creative professionals, with aims to tackle a housing crisis and climate emergency. The project is rooted with extensive research and analysis of the local area and community. The goal was not only 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 encourages to collaborate, share ideas, and connect.
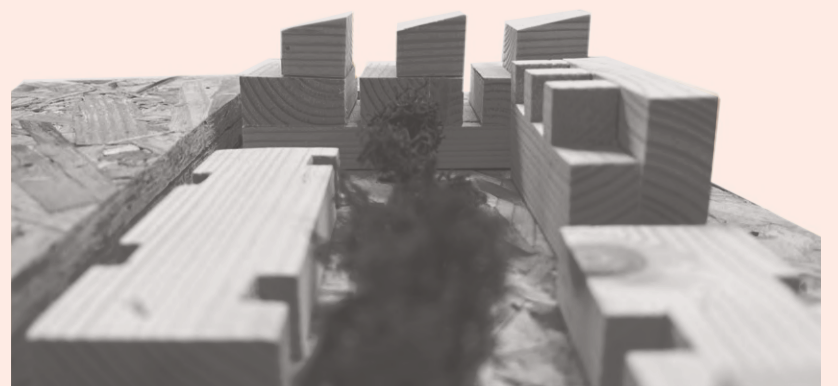
Site Sketches

*Produced with Sketching and Illustrator*

1 — VIBRANT METAL CLADDING. BRIGHT COLOURS IDENTIFIES WITH BRISTOL AS AN ARTISTIC CITY

2 — WIDE RANGE OF MATERIALITY WITHIN CLADDING, FROM WHITE RENDER, TIMBER, METAL, & BRICK

3 — CANTILEVER WINDOWS. CUBIC ARCHITECTURE

4 — ANCIENT GREEK ARCHITECTURE THEME STRUCTURE IN NEARBY CEMETARY

5 — STAINED GLASS. EXPOSED STEEL FRAMEWORK

5 — EXPOSED STEEL LINTEL

6 — GEOMETRIC FORMS. VIBRANT COLOURED POLISHED BRICKS USED

7 — TIMBER SLIDING DOOR AESTHETIC IN NEARBY BUILDINGS

8

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

1:50

0m 1m 6m 8m 13m

Elevation of Creative Professional, Student and Refugee Units

1:50

0m 1m 6m 8m 13m
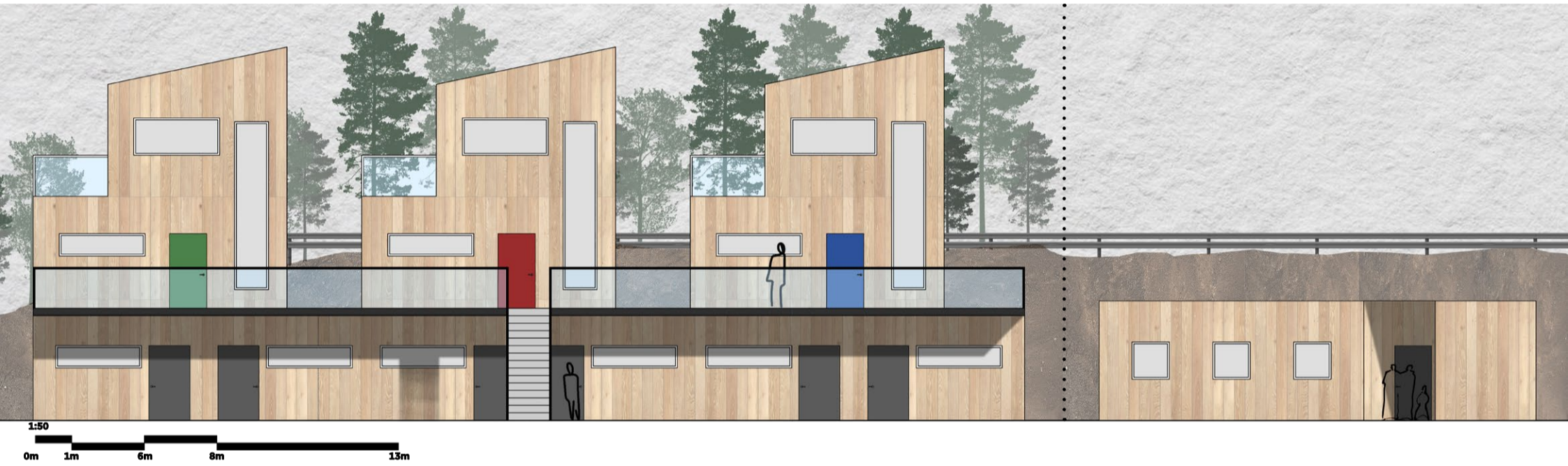
Site Elevation

Second Floor Plan

Produced with AutoCAD and Photoshop

First Floor Plan

Ground Floor Plan

OCM House

A Short Complilation of Fine Art Portraits Achieving Contrast

Year 2 Design Representation

This projects 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
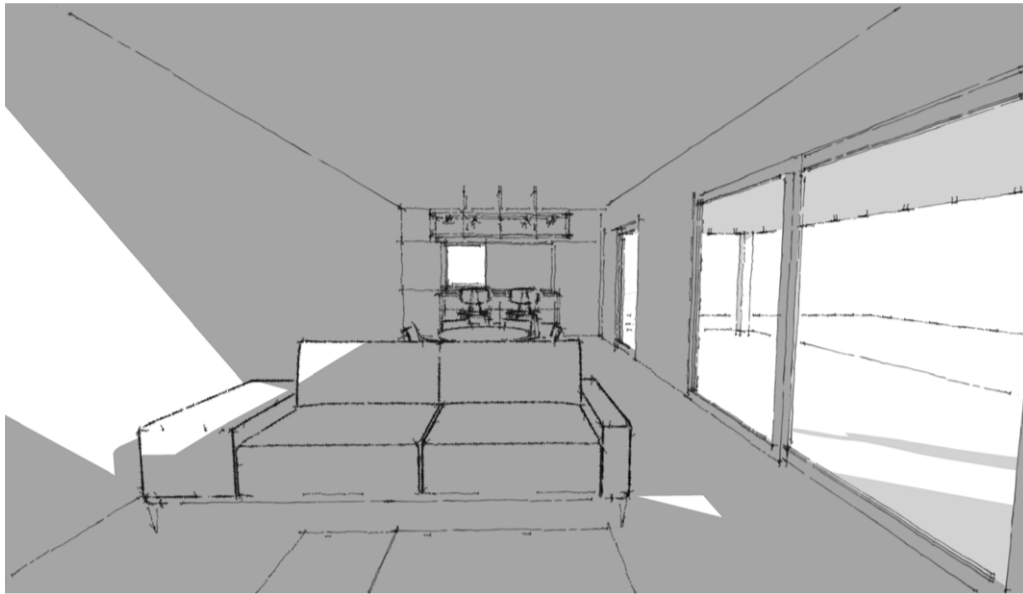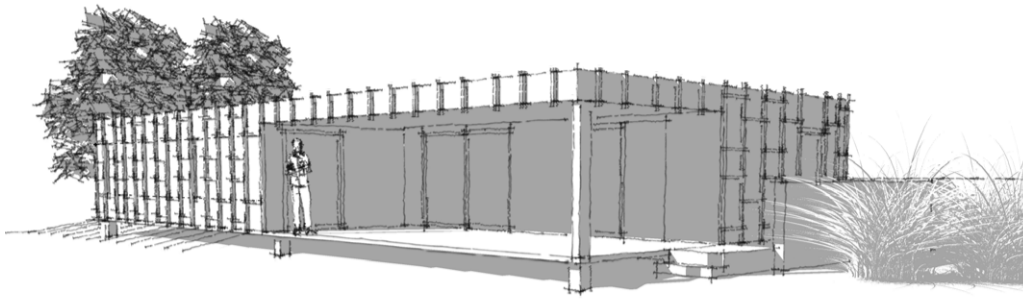
Coloured Style

Site Plan

Produced with Revit

A2

IN THIS ASSIGNMENT, STUDENTS NEED TO MODEL A HOUSE FROM THE ARCHDAILY 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.
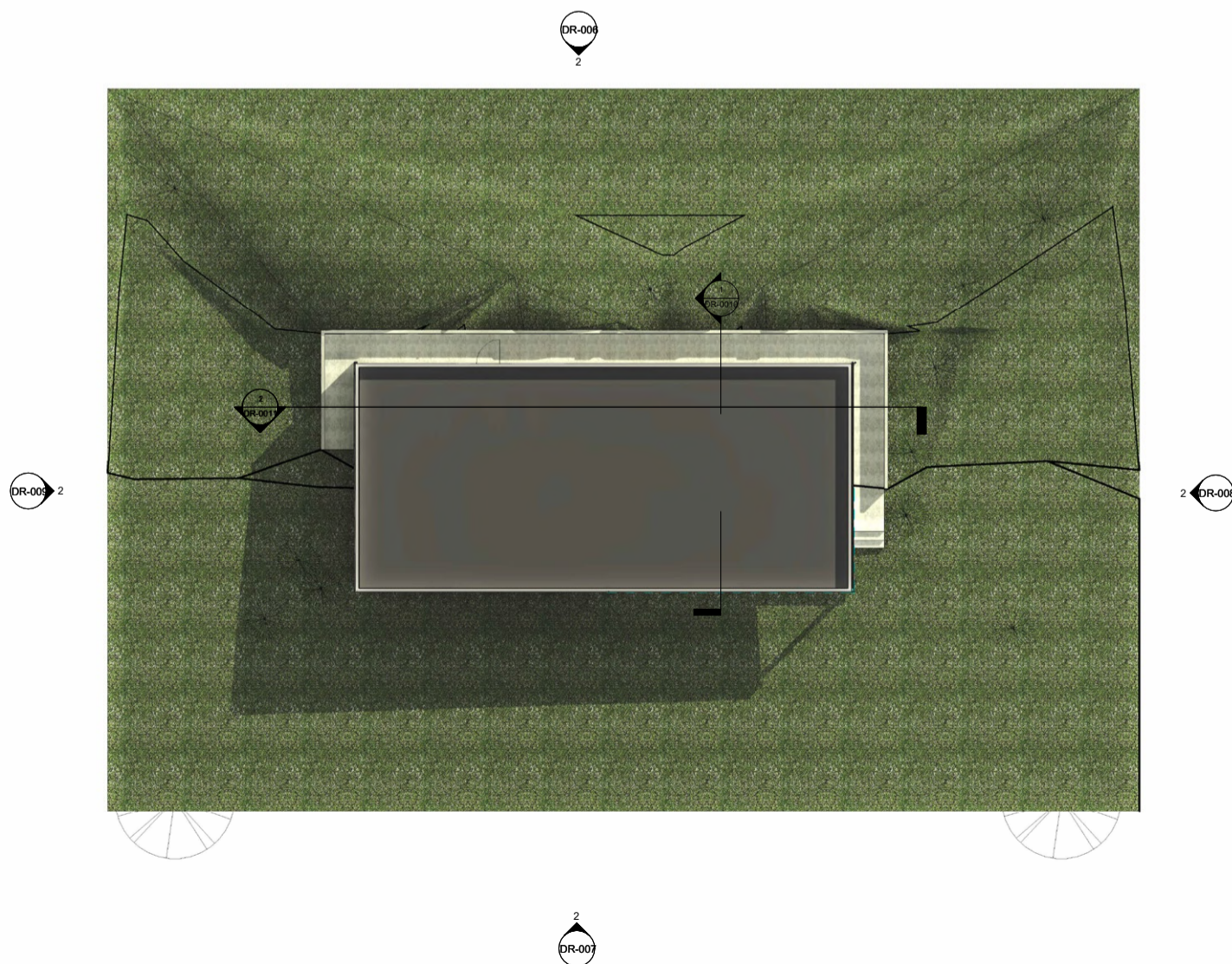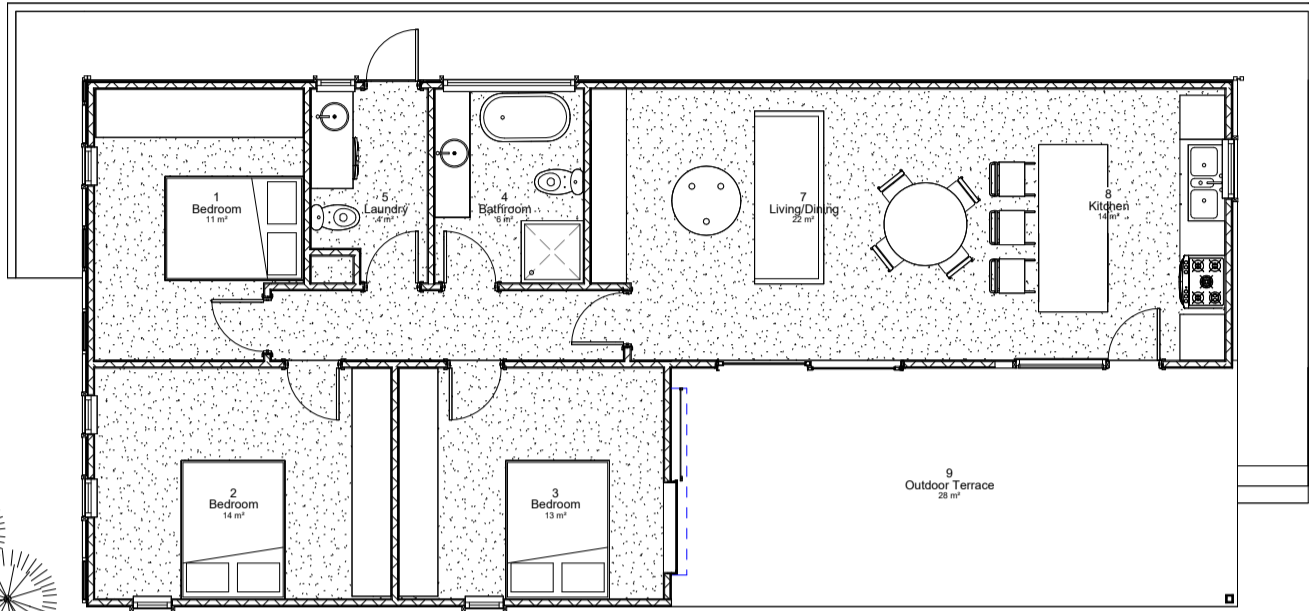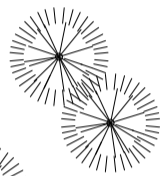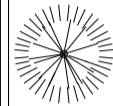
DR-006 2

DR-009

DR-011

DR-009 2

2 DR-009

2 DR-007

Site Plan
1 : 100

UWE Bristol | 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

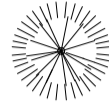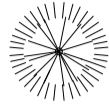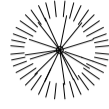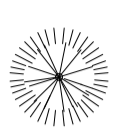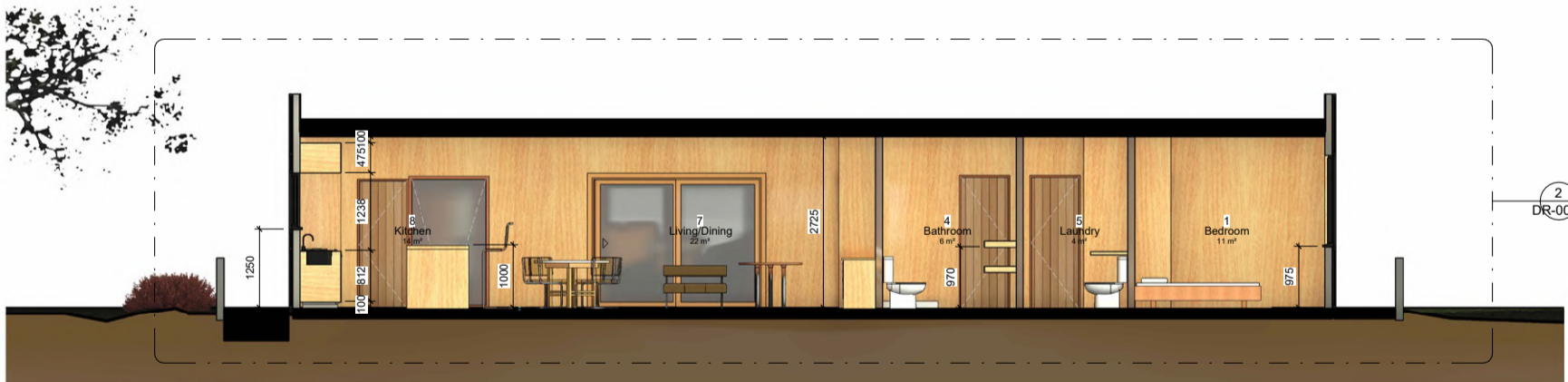| DRAWN BY	DATE
Adam Amawi	25/04/2023

SCALE (@A2)

1 : 100

DRAWING NUMBER

DR-002

27/04/2023 01:07:19

Ground Floor Plan

Produced with Revit

Ground Floor Plan
1 : 50

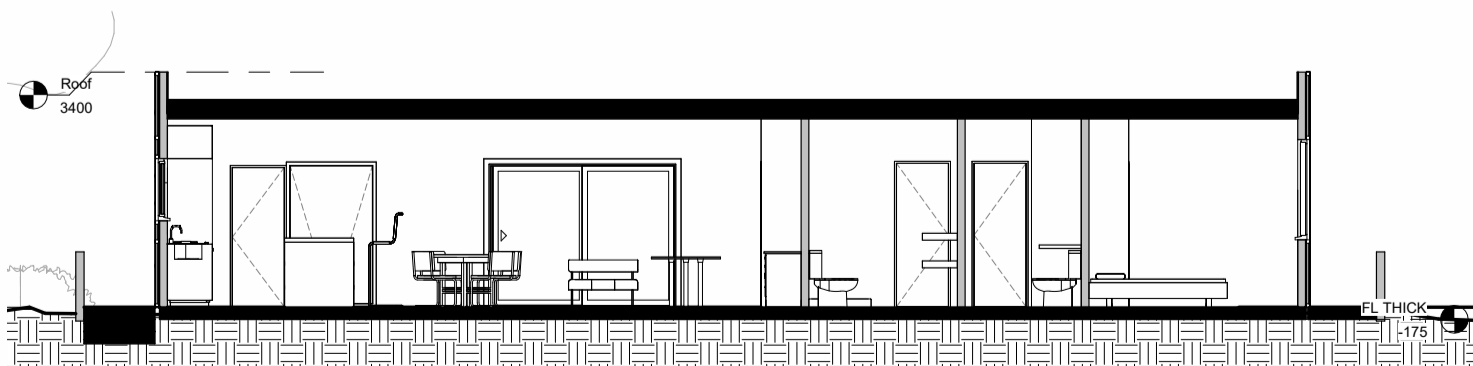|	
UWE Bristol	University of the West of England

NAME
Adam Amawi

STUDENT NUMBER
Designer

MODULE/ACADEMIC YEAR
Design Representation, 22-23

PROJECT
Digital Portfolio 2

DRAWING NAME
Ground Floor Plan

DRAWN BY	DATE
Adam Amawi	25/04/2023

SCALE (@A2)
1 : 50

DRAWING NUMBER
DR-003

27/04/2023 01:07:19

Section DR-009

Realistic Section 2
1 : 50

UWE Bristol	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
Section 2

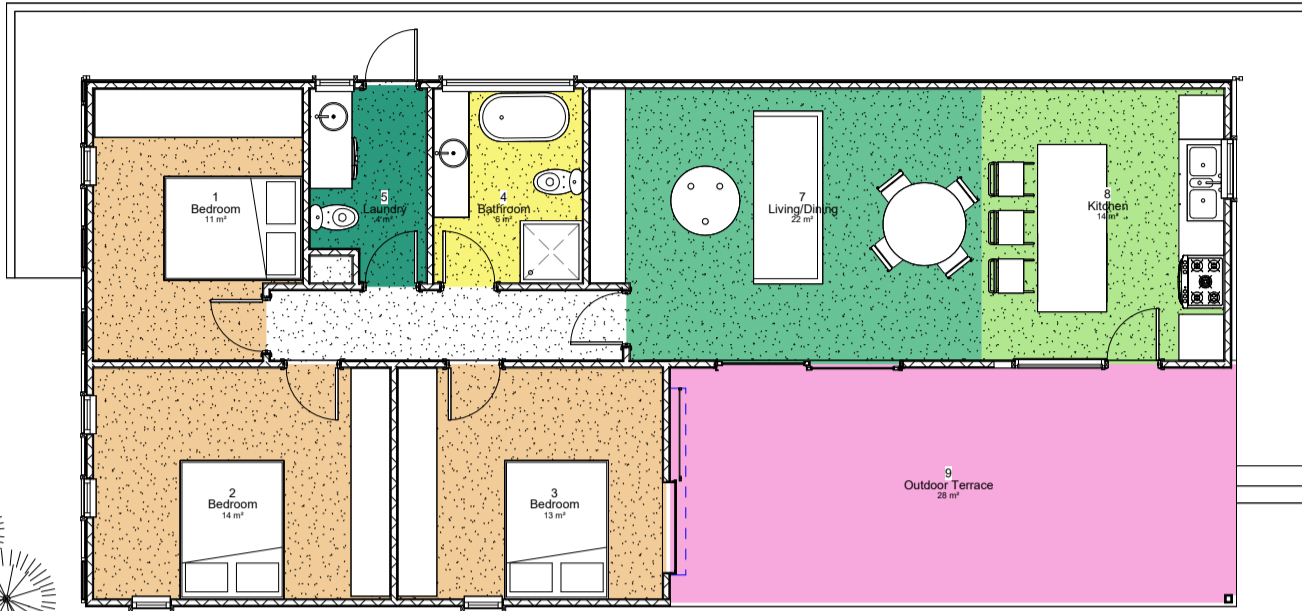| DRAWN BY	DATE
Adam Amawi	25/04/2023

SCALE (@A2)
1 : 50

DRAWING NUMBER
DR-0011

27/04/2023 01:07:33

Section 2
1 : 50

Room Legend

Produced with Revit

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

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	810x2110mm	Interior	2110	810
42	2	810x2110mm	Interior	2110	810
42	3	810x2110mm	Interior	2110	810
42	4	810x2110mm	Interior	2110	810
42	5	810x2110mm	Interior	2110	810
42	6	810x2110mm	Interior	2110	810
42	7	810x2110mm	Interior	2110	810
7					
47	8	810x2050mm	Interior	2050	810
1					
50	22	default load type catalog	Exterior	2070	2700
1					
52	25	Automatic-Door_Single_Gilgen_SL-PSA_Without-Side-Panel_On-Wall	Interior	2100	2700
1					
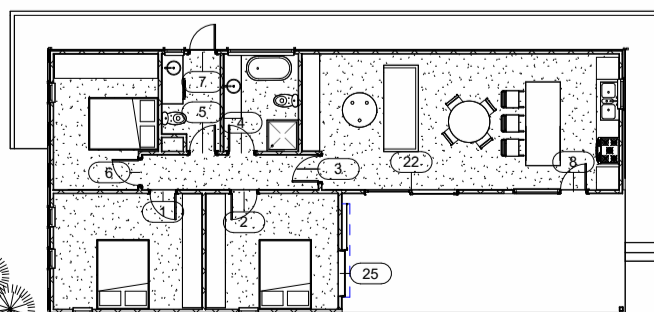
Ground Floor Plan with Door Tags
1 : 100

Portraiture

A Short Complilation 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 incompletion, 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*