



JOYCE LEE

PART II ARCHITECTURAL ASSISTANT

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Mobile: 07789063939

I am a Part 2 architecture student currently completing the sixth year of architectural studies, with a strong interest in collaborative and multidisciplinary practice. Trained as a designer and artist, I am motivated by creative environments that value openness, shared ideas and inclusivity. I believe that architecture is at its strongest when shaped through curiosity, collective effort and shared values.

WORK EXPERIENCES

2023 Sep - **Part 1 Architectural Assistant**
2025 Jan **LWK + Partners, Hong Kong**

Redevelopment and A&A Works:

Contributed to multiple projects including an elderly home, children care centre, universities and hospitals.

Polytechnic University South West Campus:

Collaborated with Architect Norris Ng during RIBA Stages 0-3, produced drawings, diagrams, renders, presentations, option schemes for tender and planning application. Learned communication with consultants and clients through in-person meetings, online meetings and telecommunication.

Po Leung Kuk Service for the Elderly:

Worked with Architect Sean Lee on RIBA Stages 3-4, prepared and submitted plans to the Building Department, delivered the team's first full technical design package in Revit.

Internal BIM Workshop:

Assisted by Architect Norris Ng, led the development of a Revit package to streamline future technical design and GBP submissions. Delivered training by presenting BIM workflows for RIBA Stages 1-4 to the project team and members of the BIM team.

2022 Apr - **Junior Architectural Assistant**
2022 Sep **CaSA Architects, Bath**

Worked primarily with Architect Amelia McKechnie-Welsh on projects in RIBA stages 1-3, which involved home extensions, refurbishing the existing house fabric and form for residential projects of different scales.

2021 Apr - **Architectural Assistant**
2021 Sep **Wilkinson Eyre, Hong Kong**

Dongguan Taiping Waterway Bridge:

Assisted Architect Laurence Chan in creating digital models, diagrams and drawings for competition submission. Learned clear graphical communication and presentation.

University of Hong Kong Business School:

Worked in the interiors team with Senior Architect Jonathan Liu during RIBA Stages 3. Participated in interior design, digital modelling, rendering, photo and video editing and report presentation. Independently visited and coordinated with fabric, wood flooring, stone tiling, metal and plastic finishing suppliers.

EDUCATION & QUALIFICATIONS

2024-2026 **MArch (Hons) Architecture, University of Bath**

Syraka (6th Year Group Project)

Collaborated in a group of six architecture students to develop a city-scale masterplan for Siracusa, Italy, proposing a regenerative urban vision to 2075, while strengthening skills in collaboration, coordination and project management.

Mycocycle Studio (5th Year Project)

Achieved 78. Designed a mycelium brick workshop within a group masterplan for Frome, that integrates production systems into its structure, inspired by biological features of mushrooms and trees.

2019-2023 **BSc (Hons) Architecture, University of Bath (First Class Honours)**

Lucy's Room (4th Year Project)

Awarded the Prize for Environmental Design and Wellbeing sponsored by D-NA. Developed a brief on music as a non-medicinal cure for mental health. Designed flexible, biophilic healing spaces with adaptability for reuse and embedded in natural systems.

OTHER EXPERIENCES

2021-2022 **Secretary of Architecture & Civil Engineering Society (ACE), University of Bath**

Coordinated minutes for committee meetings, organized events, seminars and socials to help learning and networking between students, staff and professionals.

2020-2021 **Peer Mentor, University of Bath**

Supported first year architecture students by introducing the course, providing guidance on university life.

Publication Officer of Hong Kong Public Affairs and Social Service Society (HKPASS), University of Bath

Promoted events and flagship activities by social media marketing and facilitated networking between Hong Kong students in the United Kingdom.

SKILLS

Graphics

Adobe Photoshop



Adobe Illustrator



Adobe InDesign



Digital Modelling

Rhinoceros



Autodesk AutoCAD



Autodesk Revit



Vectorworks



Grasshopper



SketchUp



Rendering

Enscape



Vray



Languages

English, Cantonese, Mandarin

Other Skills

Hand Drawing, Model Making, Video Editing, Social Media Marketing, Microsoft Office Suite

Used



Learning



Good



Intermediate

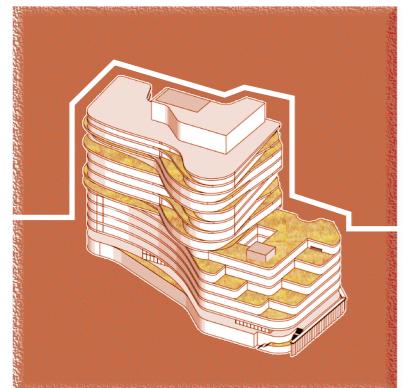


Advanced



SELECTED WORKS 2021-2025

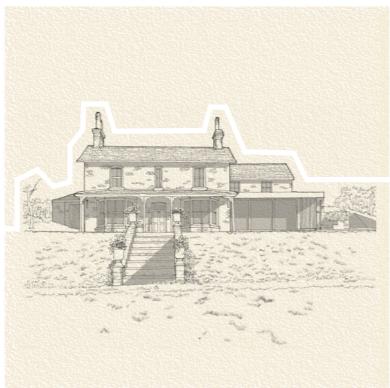
01



SOUTH WEST CAMPUS

Practice: LWK + Partners
Date: Mar - Sep 2024
Location: Hong Kong

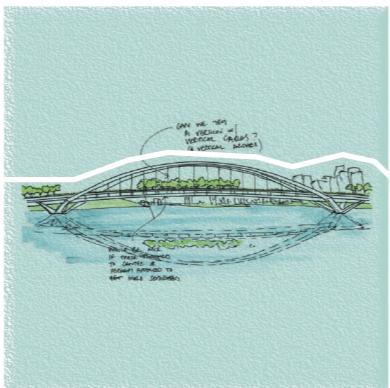
02



RESIDENTIAL WORKS

Practice: CaSA Architects
Date: Apr - Sep 2022
Location: North East
Somerset

03



WATERWAY BRIDGE

Practice: Wilkinson Eyre
Date: Apr - Jul 2021
Location: Dongguan, China

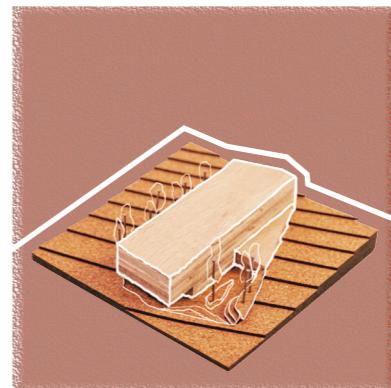
04



SYRAKA

Unit: 6th Year Group Project
Date: Sep - Dec 2025
Location: Siracusa, Italy

05



MYCOCYCLE STUDIO

Unit: 5th Year Project
Date: Feb - May 2025
Location: Saxonvale, Frome

06



LUCY'S ROOM

Unit: 4th Year Project
Date: Jan - May 2023
Location: Headington,
Oxford

Works in Practice

Works in Academia



External render from road junction (Rhino, Vray, Photoshop)

SOUTH WEST CAMPUS

POLYTECHNIC UNIVERSITY CAMPUS REDEVELOPMENT

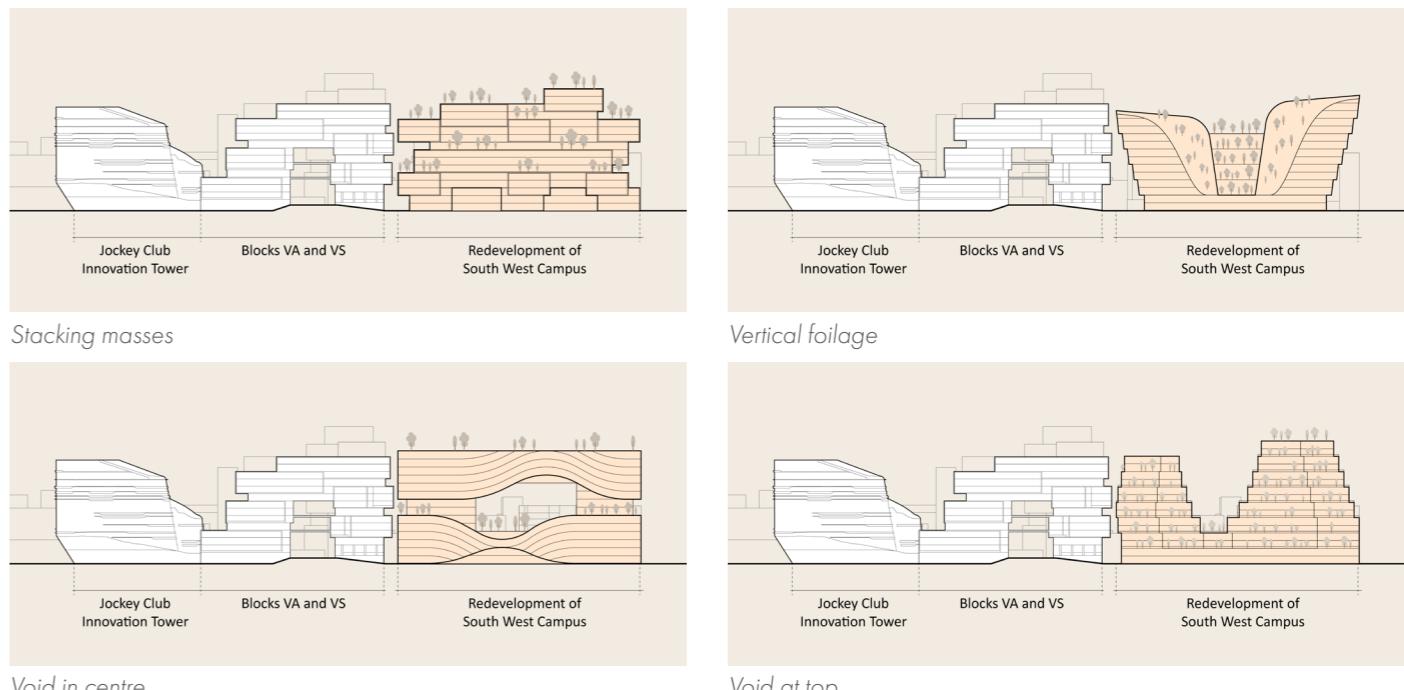
I was heavily involved in the creative process, from concept generation at tender stage to finalizing the design and preparing all architectural drawings for planning.

In response to Poly U's long-standing need for flexible, high capacity academic and research space, the south west redevelopment of A Wing and GH Annex delivers a 15 storey building with 19,400 sqm of usable space, providing laboratories, workshops, classrooms, study areas, communal facilities, and offices.

Practice: LWK + Partners
Date: Mar - Sep 2024
Location: Hong Kong
Client: Hong Kong Polytechnic University (PolyU)
RIBA Stage: 0-3

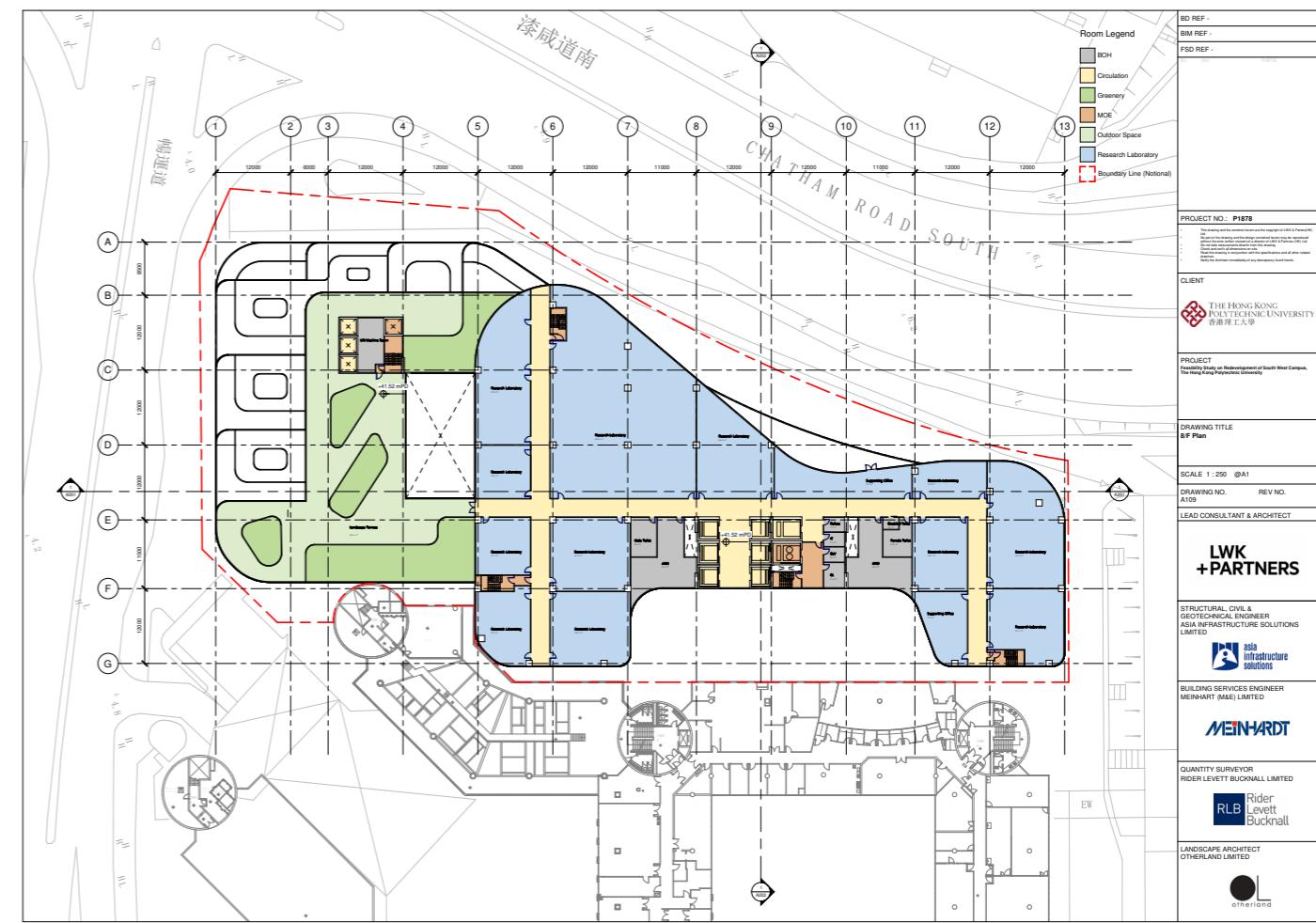
The design enhances the university's identity by extending the campus' podium for improved connectivity. The lower levels introduce stepping terraces with planting to reduce impact at street level and retaining PolyU's signature red brick. Above, curved glass facades and metal cladding of the 'tower' contrast with its solid base, symbolising the balanced values of heritage and innovation at the university.

Matrix of Options



Matrix of design options submitted for tender application to Polytechnic University. (Rhino, Illustrator)

Floor Plan



Tower Plan (8th floor) 1:250 on A1, submitted as part of the technical feasibility study (TFS) for planning approval. (Revit)



Handsketch of proposed scheme of The Paddocks (sketch on paper, Photoshop)

RESIDENTIAL WORKS

EXTENSION AND REFURBISHMENT OF DWELLING

I contributed to concept and options development in form, layout and materiality, and preparing full drawing packages for planning applications. A key focus was creating seamless connections with the surrounding landscape and bath's historic urban fabric, which gave me insight into design development and planning procedures. Major projects I was involved in are as follow:

Practice: CaSA Architects
Date: Apr - Sep 2022
Location: North East Somerset
Client: Various
RIBA Stages: 1-3

[3 Hamilton Road] Refurbishment including over-cladding and insulation, redevelopment of the first floor and garden extension and enhanced landscaping.

[9 Dower Cottage] Improvement works including an open-plan kitchen and dining extension opening onto the garden, replacement of a deteriorated dormer window to improve the first-floor bedroom.

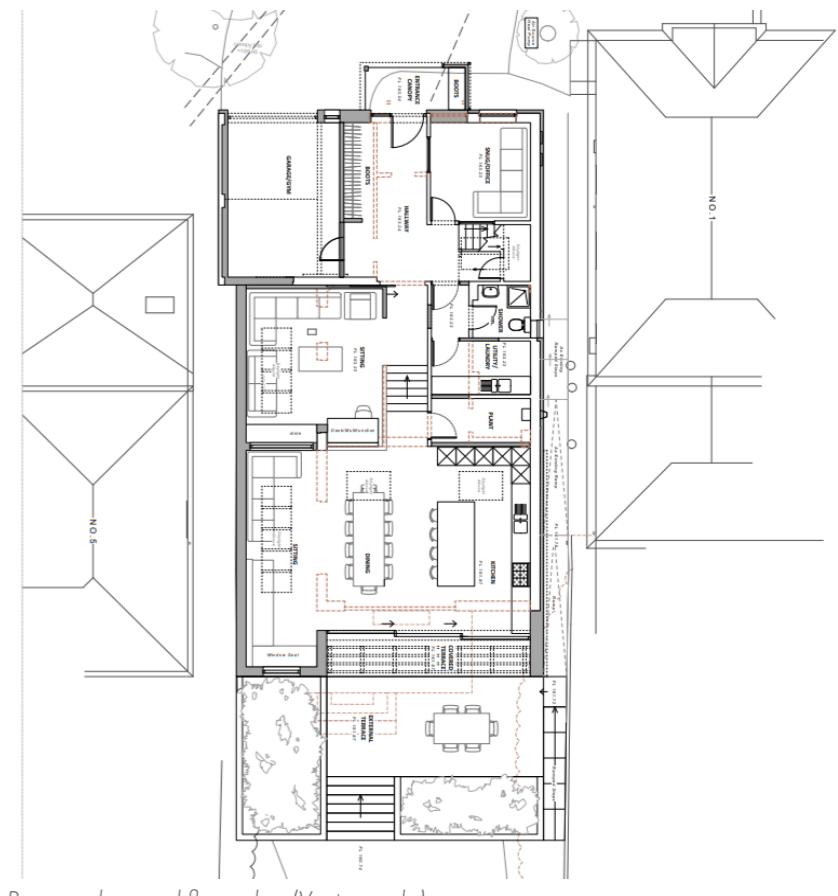
3 Hamilton Road



Existing elevation



Proposed elevation (Vectorworks)

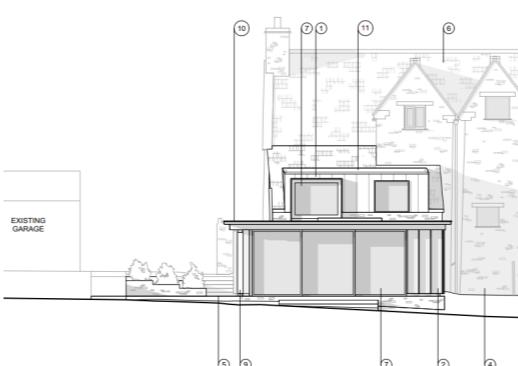


Proposed ground floor plan (Vectorworks)

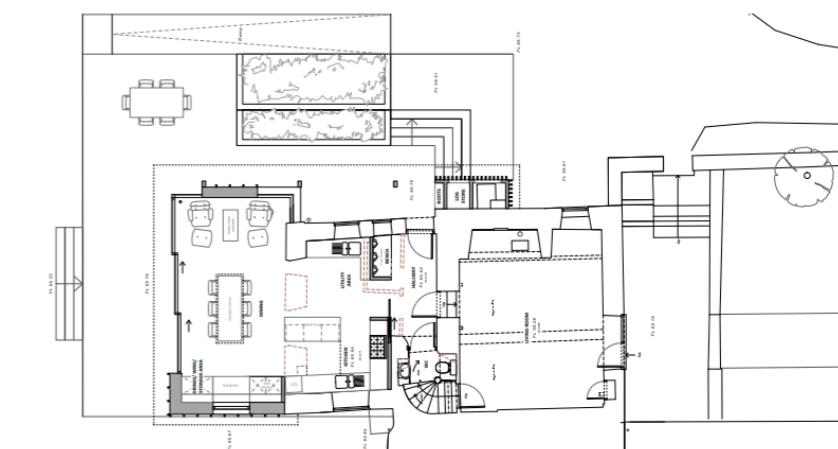
9 Dower Cottage



Existing north elevation



Proposed north elevation (Vectorworks)



Proposed ground floor plan (Vectorworks)



Proposed east elevation (Vectorworks)



Aerial view render (Rhino, rendering outsourced)

WATERWAY BRIDGE

DONGGUAN TAIPING WATERWAY BRIDGE DESIGN COMPEITITON

As a placement student, I was responsible in digital modeling, diagramation and full set of architectural drawings for the competition submission. The proposal was awarded the Gold Winner for its world-class pedestrian-motorway bridge design.

The tied-arch bridge features a 370m main span with a steel box girder deck supported by hanger cables and compression arches. The concept integrated green space planning, water transport, city lighting and

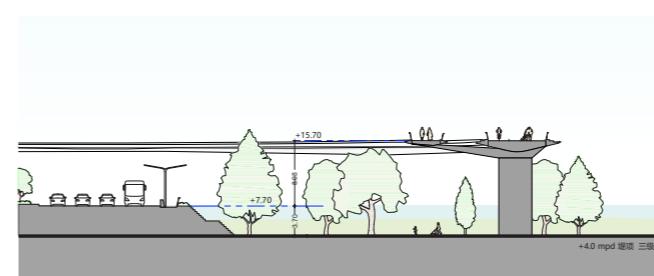
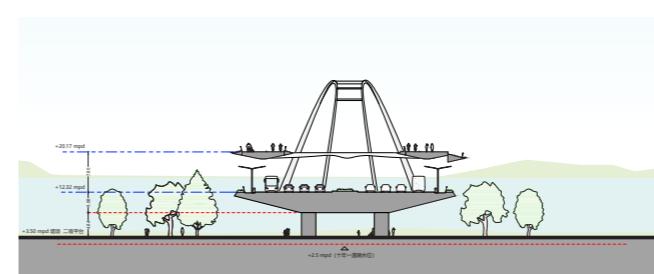
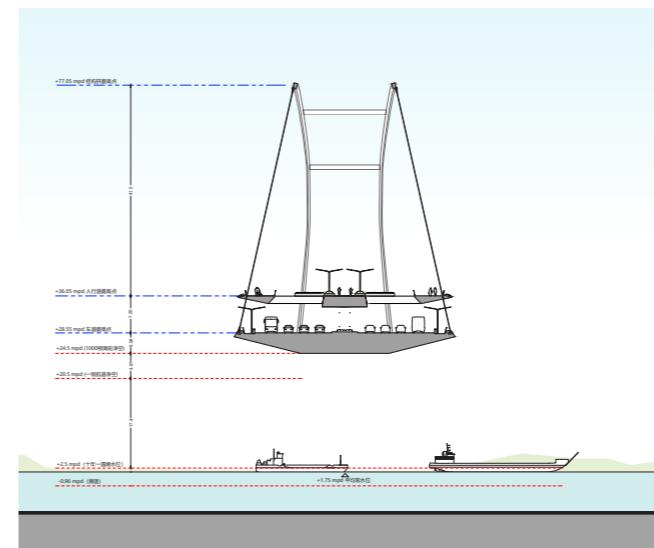
Practice: Wilkinson Eyre
Date: Apr - Jul 2021
Location: Dongguan, China
Client: Dongguan Binhaiwan New District Management Committee
RIBA Stages: 0-1

carbon reduction strategies. The design integrates the district's masterplan, celebrating the city and water, day and night, natural and man-made landscapes.

The bridge creates a sustainable, multi-modal crossing that separates motorized and slow traffic, with pedestrian platforms hovering the motorway that offers views of the bay, enhancing connectivity and public experience.



Masterplan 1:3000 on A1 (Rhino, AutoCAD, Photoshop)



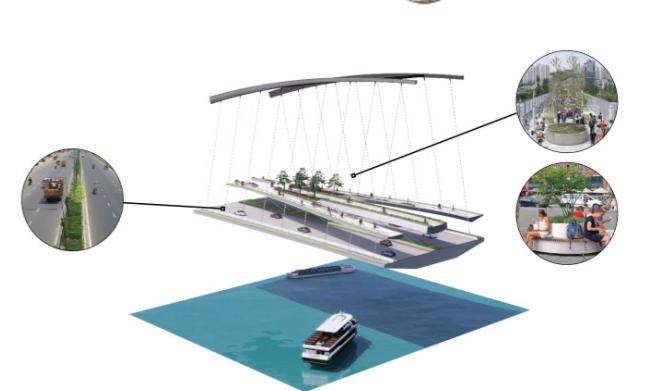
Section drawings (Rhino, AutoCAD)



双环树廊剖面效果图
SECTIONAL VISUALISATION



双环树廊剖面效果图
SECTIONAL VISUALISATION



Sectional perspectives (Rhino, InDesign, rendering outsourced)



Visualisation of a reactivated water retention quarry (Rhino, Enscape, Photoshop)

SYRAKA

MASTERPLAN FOR SIRACUSA, ITALY

Group project with Amanda Chan,
Britney Tenant, Caitlin Hawkins, Solenn
Maillard, Lizzie Stephens

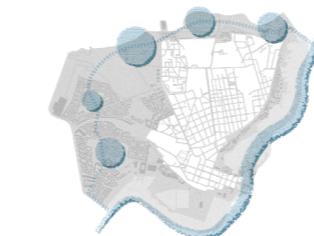
The Masterplan proposes a regenerative vision for Siracusa through integrating environmental resilience, social infrastructure and strategic phasing. Drawing on the city's etymological roots in Syraka, meaning a city with an abundance of water, the masterplan responds to contemporary challenges of drought and pollution from its petrochemical legacy.

As the city transitions towards clean energy, climate-resilient agriculture and sustainable tourism, water is repositioned as the driver of regeneration, transforming

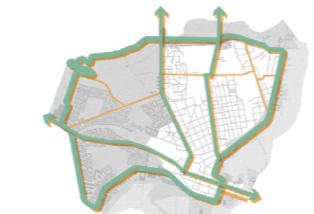
Unit: 6th Year Design Studio 6.1
Date: Sep-Dec 2025
Location: Siracusa, Italy
Tutors: Alexander Wright,
Anne Claxton, Jayne Barlow,
Rupert Grierson, Andy Jarvis

it from a scarce resource into an urban, ecological and social catalyst. This vision is articulated through the Loop, an intersecting blue-green system where land meets water. The Loop forms a continuous infrastructure for infiltration, attenuation, retention through reactivating historic quarries, river channels and the coastline. The strategy supports regional mobility, climate adaptation and heritage revival, while guiding controlled densification to limit sprawl, envisioning a regenerative model for Siracusa and Sicily.

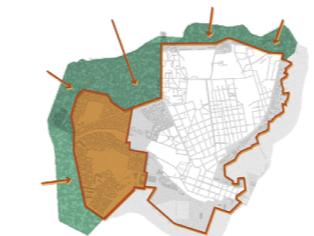
The Locale Plan



Reclaim quarries for retention



Green transportation



Limit sprawl by densification



Intertwinning blue and green



Plan of the Loop, envisioning Syraka by 2075 (AutoCAD, Photoshop, Procreate)



Key for character areas

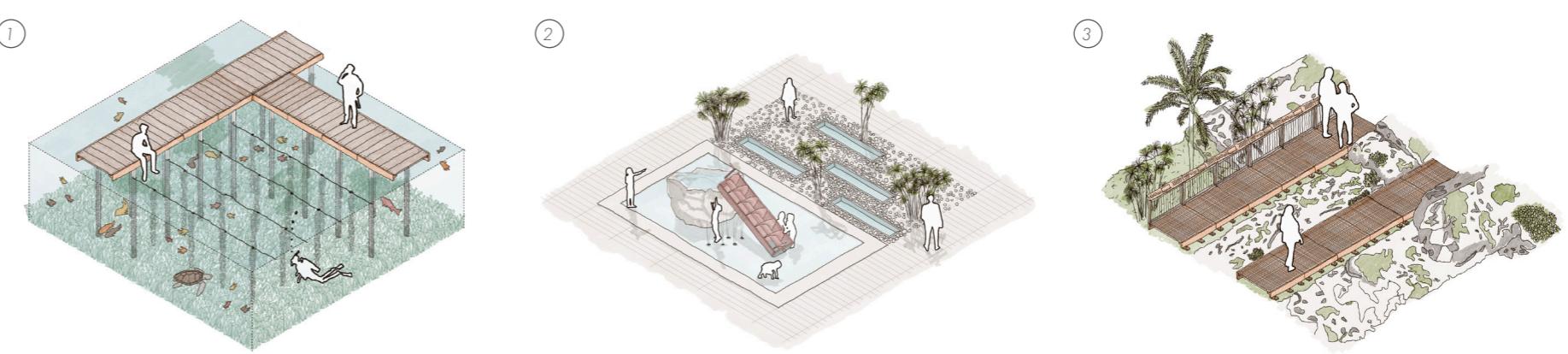
- Quartiere sui Lungomare (new residential neighbourhood)
- Lido Aquatico (lido quarter)
- Port Piccolo (cliff walk promenade)
- Latomie d'Acqua (water retention quarries)
- Neapolis district and train station retrofit

Detailed urban design is executed in eight character areas, grouped in the categories above mainly to enhance the city's relationship to water. Rainwater is harvested at the quarries and released strategically towards lower lying districts to irrigate gardens, replenish green spaces and meet non-potable demand.



Top: The Syraka Vision (Rhino, Enscape, Photoshop)
Right: Hand drawing (Procreate)

A toolkit of urban parts, inspired by the adaptable qualities of Sicily's indigenous agriculture technique *coltura promiscua*, are proposed to retrofit existing neighborhoods along the Loop. The parts include shading, market stalls, boardwalks and exoskeletons for deep building retrofit.



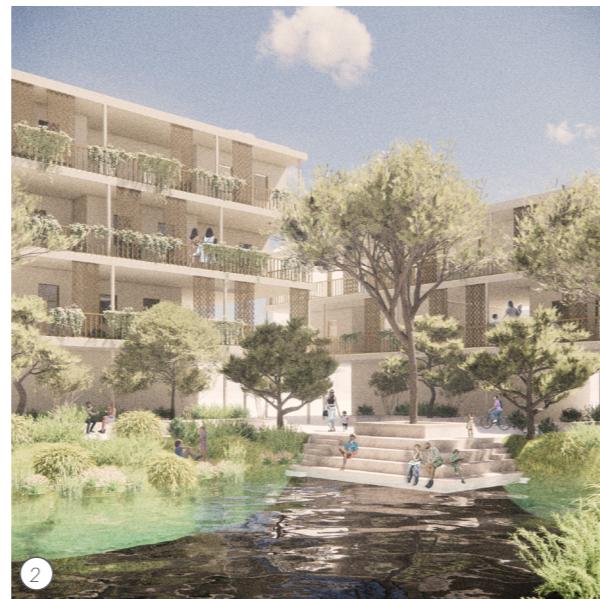
'Coltura Promiscua' Kit of Parts: Boardwalks with seagrass

'Nymphaeum' Kit of Parts: Arrivals Square

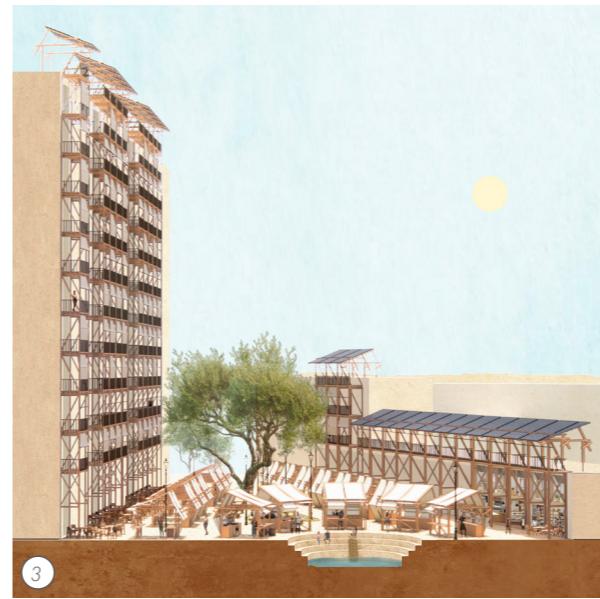
'Coltura Promiscua' Kit of Parts: Sitting lightly on ruins



1 Performance theatre with infiltration terraces in the quarry "Latomia della Intagliatella"



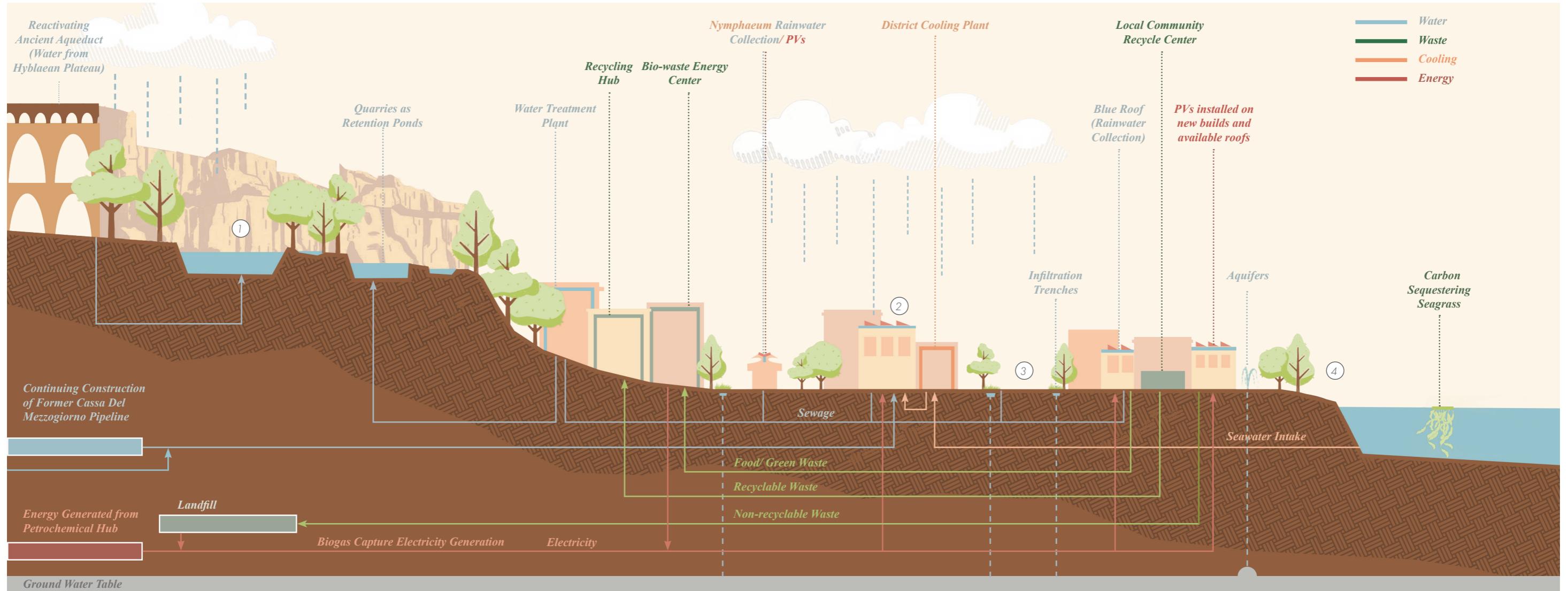
2 Sunken attenuation garden within a proposed Cortile House typology in the new residential neighbourhood.



3 New market space with residences retrofitted with an exoskeleton.



4 Lido acquatico.



Section of city-wide energy, water and waste systems (Photoshop on handdrawing)



Aerial Visualisation (Rhino, Enscape, Photoshop)

MYCOCYCLE STUDIO

THE JOURNEY OF FROME'S MUSHROOMS

Informed by finger-shaped peninsulas designed in a group masterplan on Saxonvale, the rectilinear mycelium brick workshop is a place for production, discovery and community. Combining traditional agricultural heritage with contemporary innovation in materiality, the project aims to position Frome as a pioneer in circular economy, where buildings grow, decompose, and return to the earth. Drawn from the subterranean imagery of mycelium weaving through soil and the woodland atmosphere of where mushrooms grow, the workshop is structured like a tree.

Unit: 5th Year Design Studio
Date: Feb-May 2025
Location: Saxonvale, Frome
Tutor: Charlotte Walker

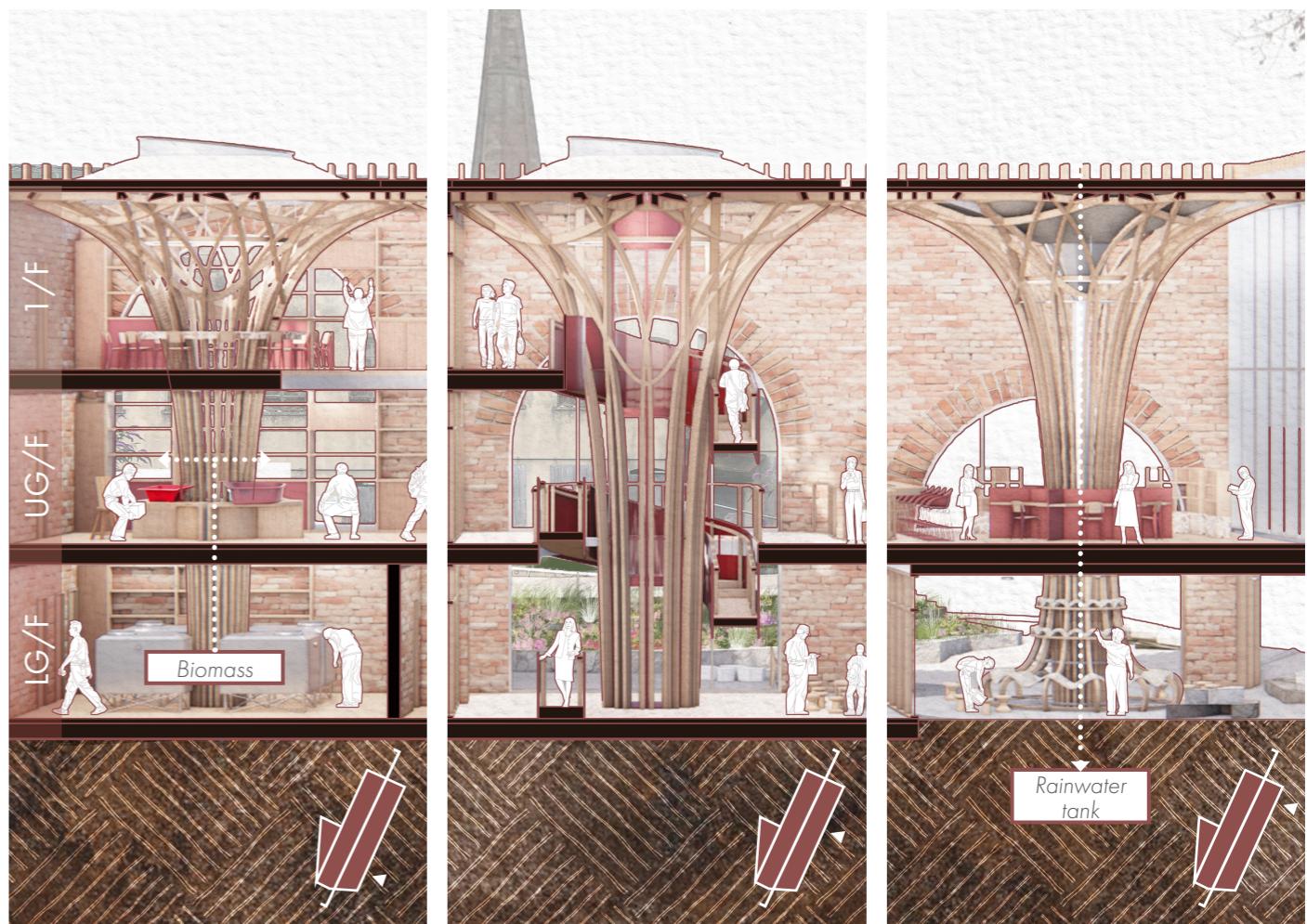
[Roots] an energy-giving component, where mushrooms grow

[Trunk] services and circulation, pumping mycelium nurtures from underground to the fabrication workshop

[Canopy] exposed structure capturing light and rain.

Visitors trace this vertical journey through tree-like structures, experiencing the mushroom's life cycle and symbolically becoming part of the forest network.

Hierarchy of Tree Structures



Production Tree

LG/F - biowaste processing chamber
 UG/F - fabrication lab
 1/F - visitor experience workshop

wow! people are molding mycelium and waste into bricks downstairs! can I make one too?



UG/F - fabrication lab

Circulation Tree

LG/F - foyer and exhibition gallery
 All floors - lift core embedded in structure

let's explore the forest!



UG/F - double height 'tree walk'

Discovery Tree

LG/F - undercroft playscape
 UG/F - research lab

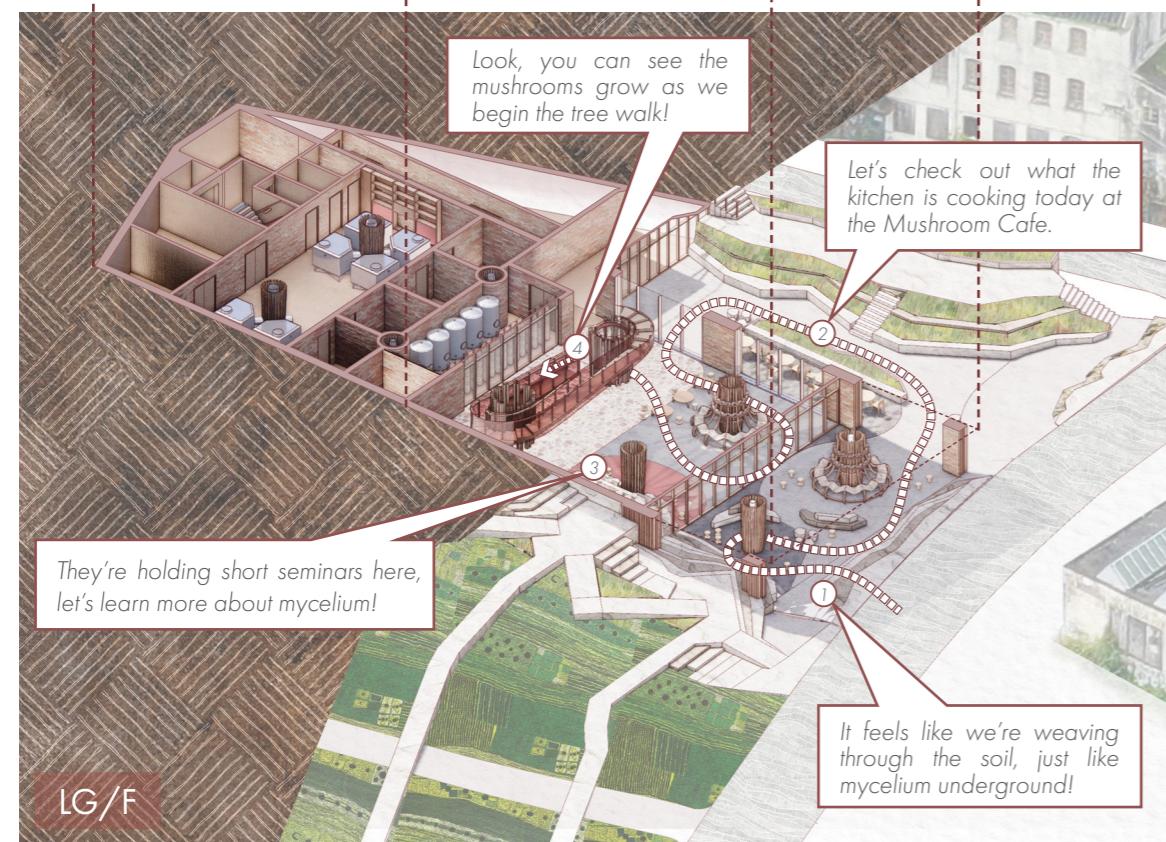
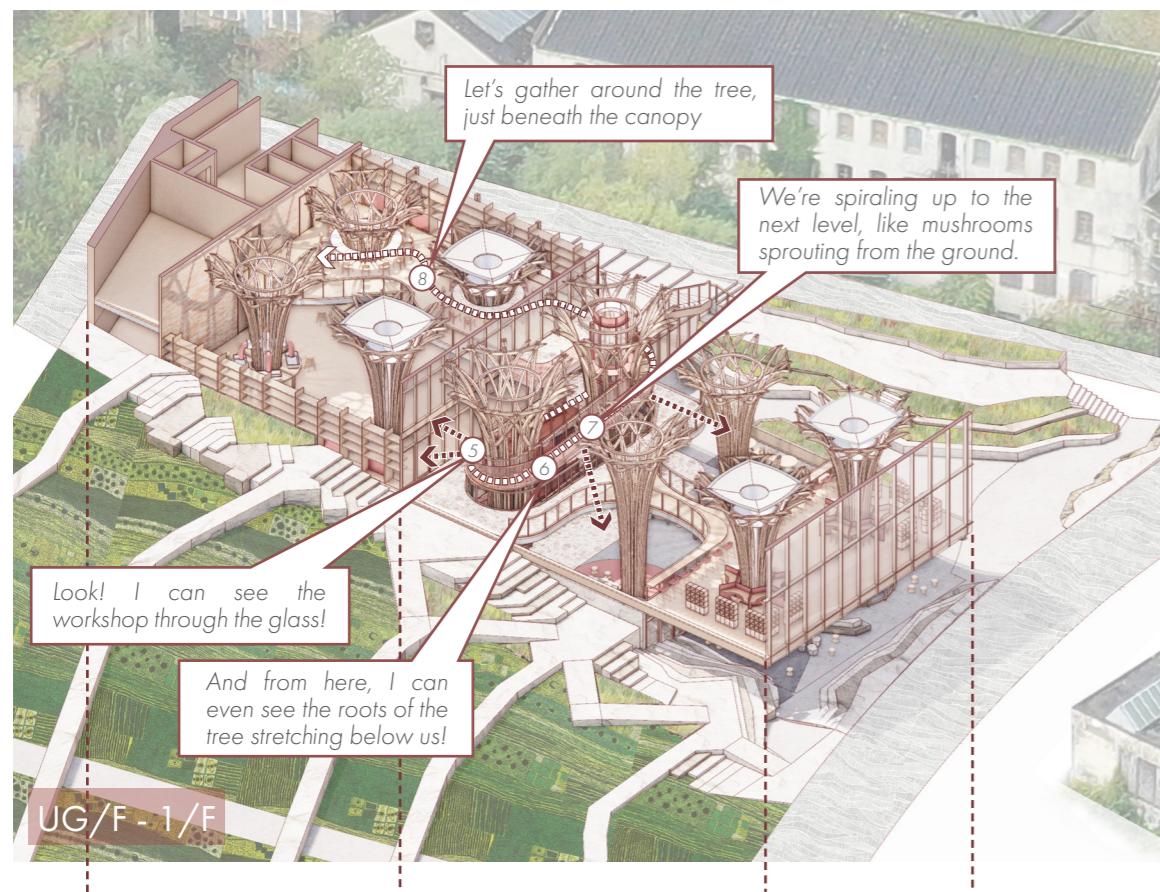
interesting! these tree roots have mushrooms growing out of them!



LG/F - undercroft playscape

Renders showing ways the tree structure facilitates the building's function at its 'roots', 'trunk', 'canopy'. (Rhino, Grasshopper, Enscape, Photoshop)

The Journey of Storytelling and Discovery

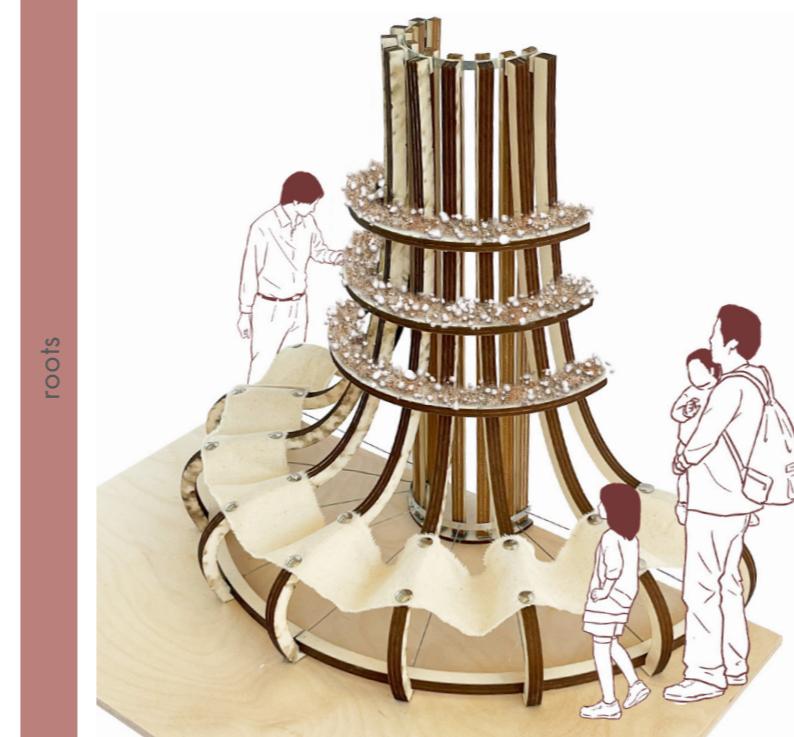


Isometric render showing the subterranean and forest journey. (Rhino, Grasshopper, Enscape, Photoshop)

Timber Details



Tree column and facade 1:50 model with balsa wood, finboard, plaster, metal connections, 3D printing with PLA



Discovery roots 1:20 model with finboard, metal connections, scrap fabric



Short Section 1:100 on A2, featuring the mushroom cafe (Rhino, Enscape, Photoshop)



Visualisation of the sensory garden (Rhino, Enscape)

LUCY'S ROOM

MUSIC THERAPY CENTRE FOR WARNEFORD HOSPITAL

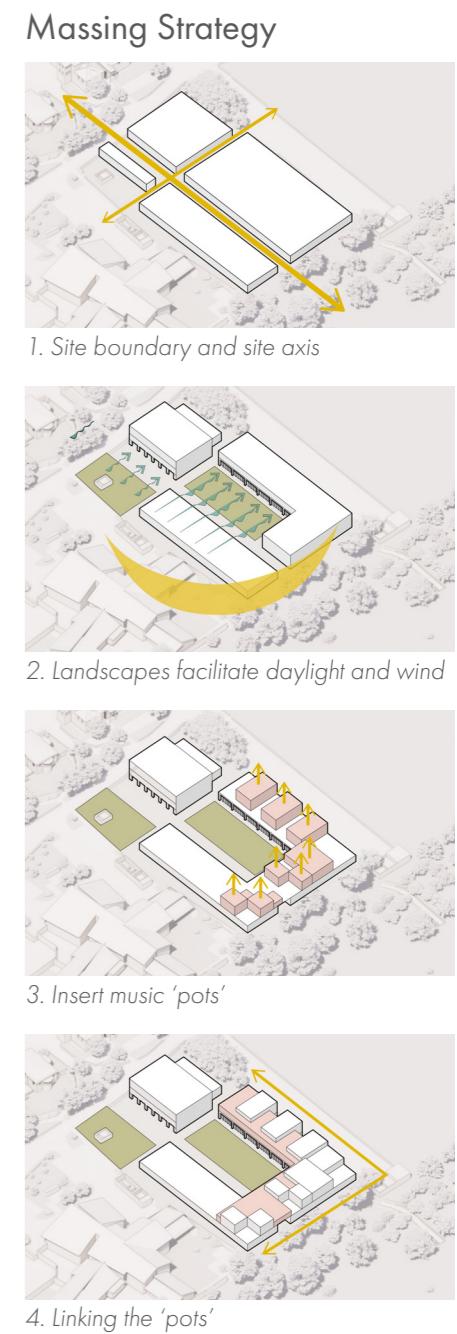
Lucy Sessions, a young mother living with emotionally unstable disorder, found her only comfort in practicing music. After her passing in 2017, her parents partnered with Oxford Health Charity to propose a music room at Warneford Hospital, Oxford. Their initiative highlighted the potential of music as a therapeutic tool for mental health. This project, inspired by Lucy's story, celebrates the healing power of music through spaces designed for sensory experiences, restoration, education and community engagement.

Unit: 4th Year Design Studio
Date: Jan-May 2023
Location: Headington, Oxford
Tutor: Elyse Howell-Price

Awarded the Prize for Environmental Design & Wellbeing, the proposal adopts a protective courtyard form, surrounding the garden are music rooms resembling potted plants to symbolise nurture and growth. The palette of materials, lighting, acoustics and landscapes, underpinned by biophilic principles and sustainable systems, supports therapy and music use. Comfort and sustainability guide the design, positively shaping user experience and the building's life cycle.



Location Plan 1:1000 on A3 (AutoCAD, Illustrator, Photoshop)



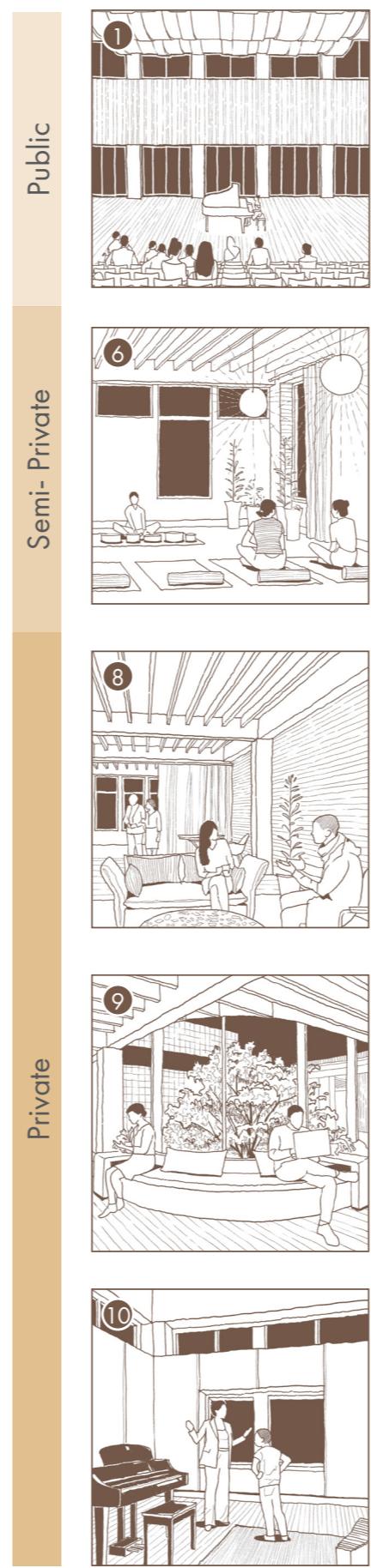
Long Section 1:200 on A3, shows the progression from public, semi-private and private spaces from the Hospital Drive to Warneford Meadow. (Rhino, Enscape, Photoshop)

Ground Floor Plan



Ground Floor Plan 1:200 on A2 (AutoCAD, Photoshop)

Building Program



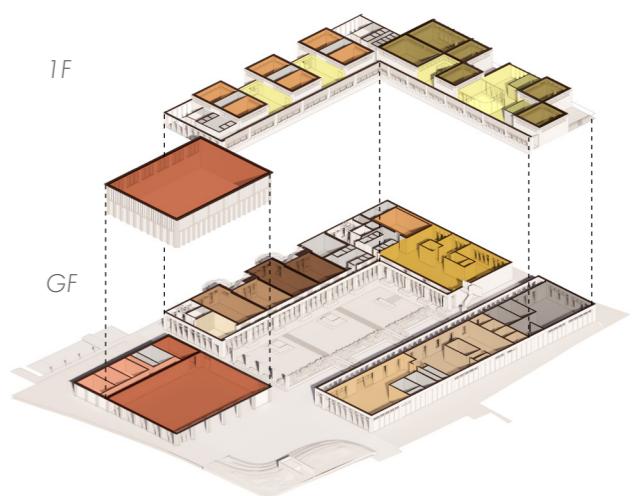
Top-down render (Rhino, Enscape, Photoshop)

GF Zoning

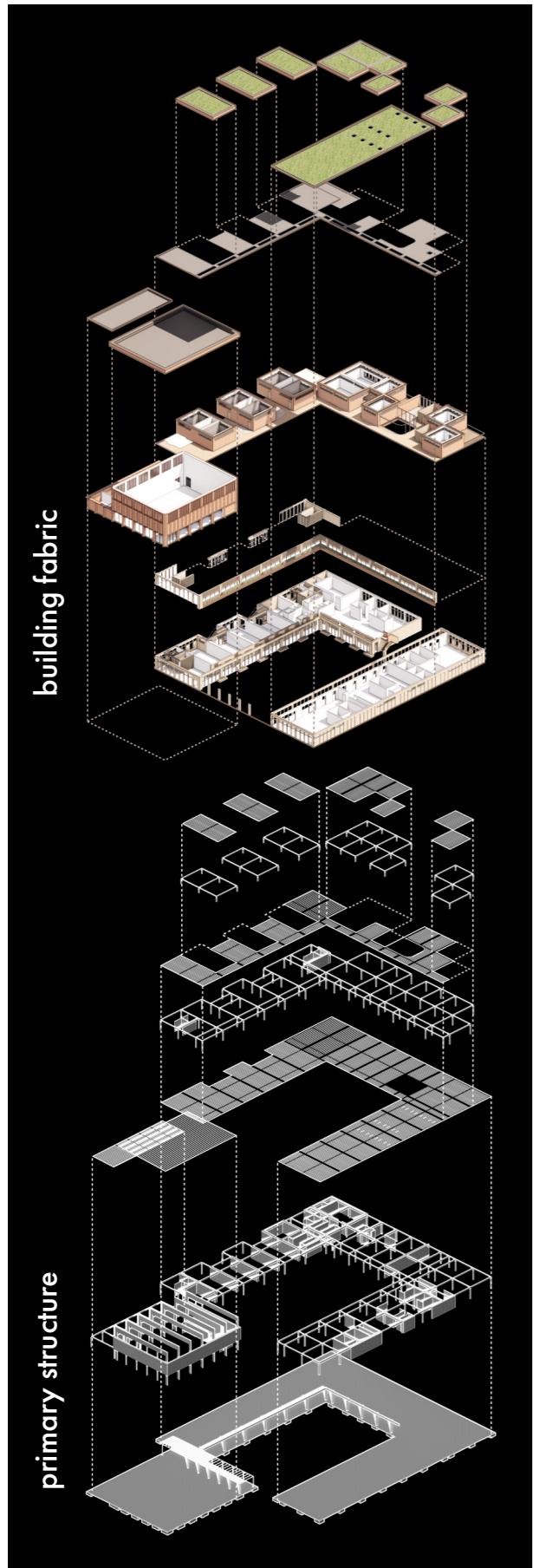
- Theatre
- BOH
- Cafe
- Library
- Office
- Counselling space
- Classroom
- Sound bath room
- Recording studio
- Services & WC

1F Zoning

- Theatre
- Practice room
- Waiting bay
- Therapy room
- Listening pod
- Services & WC



Left - Handsketched programs (Procreate)



Exploded isometric diagram (Rhino, Enscape, Illustrator)

