JAMES BELL

“37m² Perspective”
Person + Double Bed + Elephant + Floor Plan
Bachelor’s Dissertation

JAMES BELL

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Work Experience

Architectural Trainee 08/2024 - Present

+ Production and rendering of urban and architectural scale drawings for the final stages of competition for a mixed-use masterplan in Braunschweig, Germany.
+ Developing material, ambiance and atmospheric strategies to address the alpine conditions for private house near Bolzano, Italy.
+ Detailing a framework manual for the future development of an Innovation Quarter in Den Bosch, Netherlands, focussing on the urban scale, outlining the shared streets concept; building massing; façades and pedestrian and cyclist routes.

FABRICations., Amsterdam, Netherlands

Language Consultant 03/2024 - 07/2024

+ Consulted and provided advisory support in the establishment of the Milano Fluency Studio.
+ Tutored students in the English Language at the Studio, focussing on fluency and pronunciation.

Milano Fluency Studio, Milan, Italy

Design Intern 04/2023 - 07/2024

+ Collaborated with Propp Design Studio to reformat and represent publications, research projects and events of TAU-Lab.
+ Streamlined content management and re-categorising TAU-Lab research.
+ Updated research regarding processes and data observed in projects of transnational architecture firms and conducting data analysis with GIS.
+ Enhanced and revised navigability and backend Wordpress functionality, including SEO optimisation and visibility.

Transnational Architecture and Urbanism Laboratory (TAU-Lab),
Politecnico di Milano, Milan, Italy

Founder + Designer 09/2020 - Present

+ Founding of Locale House, a data-driven platform for regeneration with a housing framework built around locational data.
+ Focussing on scalability of a platform allowing and facilitating mobility through a membership approach across housing markets.
+ Developed from the Global Grad Show Entrepreneurship Programme and Bachelor’s Dissertation.

LH LOCALE HOUSE, London, U.K.

Entrepreneur - Global Grad Show 09/2020 - 09/2021

+ Selected from over 1600 applicants to be an Entrepreneur in the annual Entrepreneurship Programme.
+ Coaching and guidance from start-up and industry experts for Locale House.
+ Programme concerned the fundamentals of business development and thinking in strategising a business model, plan, one pager and pitch deck.

Dubai Design Week, Dubai, U.A.E.

Team Leader 02/2018 - 09/2021

+ Coordinated and mentored over 20 joining and existing team members, inclusive of supervisors, in service operations.
+ Motivating and organising the team of 5 to 20 members during service.

Côte, Covent Garden, London, U.K.

Education

Politecnico di Milano 09/2021 - 12/2023
MSc Architecture and Urban Design
Graduation Grade: 110/110Design (133/120 Credits)

University of the Arts London
Chelsea College of Arts 09/2017 - 07/2020
BA(Hons) Interior and Spatial Design
First Class Honours

Achievements

Activation of Public Spaces Erasmus+ 2023 + 2022

+ Workshop Series on *Activating Public Spaces by Community Participation*.

Krakow University of Technology + Politecnico di Milano

Journey Award for Northern England
Student of the Year for North Cumbria 2017

+ Establishment of a registered company, operational for 2 years, as part of the Young Enterprise Programme, as Deputy Managing Director.

Young Enterprise, England, U.K.

Duke of Edinburgh Awards Bronze/Silver/Gold 2017

Publications

From Obsolescence to Relevance 2023
Politecnico di Milano
Master’s Thesis

The Value of Space 2020
University of the Arts London
Chelsea College of Arts
Bachelor’s Dissertation

Exhibitions

OpenLAB Series 2022 + 2021
Politecnico di Milano, Milan, Italy

Tate Exchange 2019
Tate Modern, London, U.K.

14-18NOW! 2018
The Rootstein Hopkins Parade Ground, London, U.K.

Royal Horticultural Society (RHS) Art Fair 2018
Lawrence Hall, London, U.K.

Space in Perspective 2018
Cookhouse Gallery, London, U.K.

Young Cumbrian Artist of the Year 2017 + 2016
The Vallum Gallery, Carlisle, Cumbria, U.K.

Skills

Software

AutoDesk AutoCAD/Revit + Rhino 3D + ArchiCAD + Adobe Suite Photoshop/Illustrator/InDesign + QGIS + V-Ray + Enscape + Grasshopper + Wordpress + Touch Typing

Languages

English Native + French GCE A Level + Italian A2 + Dutch A1

"The Elephant in the Room"
Bachelor's Dissertation

01

From Obsolescence to Relevance
Master's Thesis
2 Team Members
Mixed-Use
London, U.K.

02

Ganzhou Cultural Centre
Final Year Thematic Studio
4 Team Members
Public Building
Jiangxi, China

03

Denglu Village Housing
4th Year Architectural Design Studio
8 Team Members
Housing
Guizhou, China

04

Denglu Village Batik Centre
4th Year Architectural Design Studio
6 Team Members
Public Building
Guizhou, China

05

How to Live + Work Together
4th Year Construction and Sustainability Design Studio
4 Team Members
Mixed-Use
Milan, Italy

06

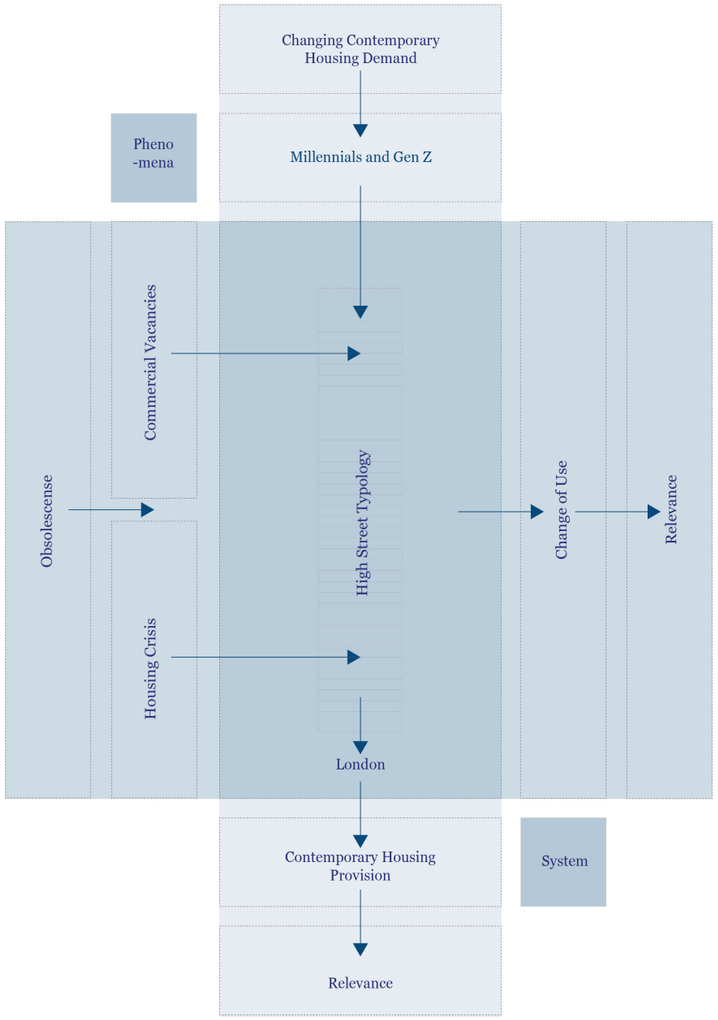
One and All Dwellings; One and All Locales
Bachelor's Dissertation
Housing System
Individual
London, U.K.

06

Locale House
Global Grad Show
Entreprenurship Programme
Membership System
Individual
London, U.K.

01

From Obsolescence to Relevance
Master's Thesis
2 Team Members
Mixed-Use
London, U.K.



Conceptual Model

The system allows obsolete typologies to be transformed to relevant typologies for contemporary housing provision.

Proposal

Addressing housing demands with co-living, co-working and mixed-use, cautioning against disrupting high streets.

01

From Obsolescence to Relevance

Master's Thesis
2 Team Members
Mixed-Use
London, U.K.

Limehouse Cut

Commercial Road

To The City of London

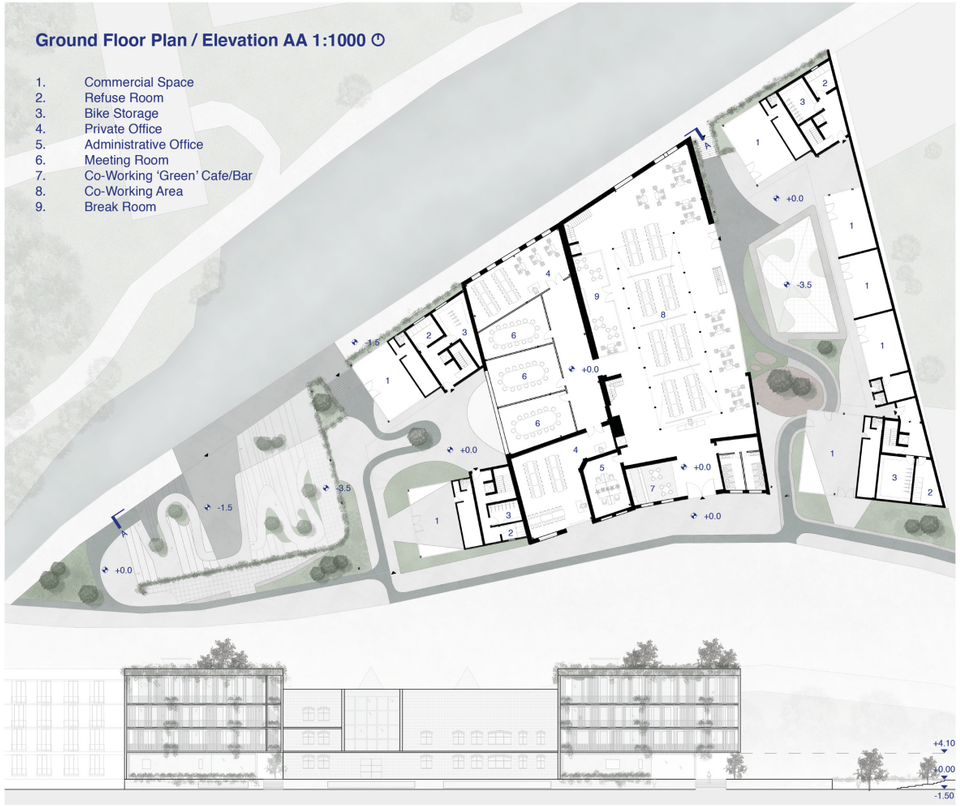
To Canary Wharf

Masterplan 1:1500

1. St. Anne's Church
2. Limehouse Town Hall
3. Little Limehouse Pre-School

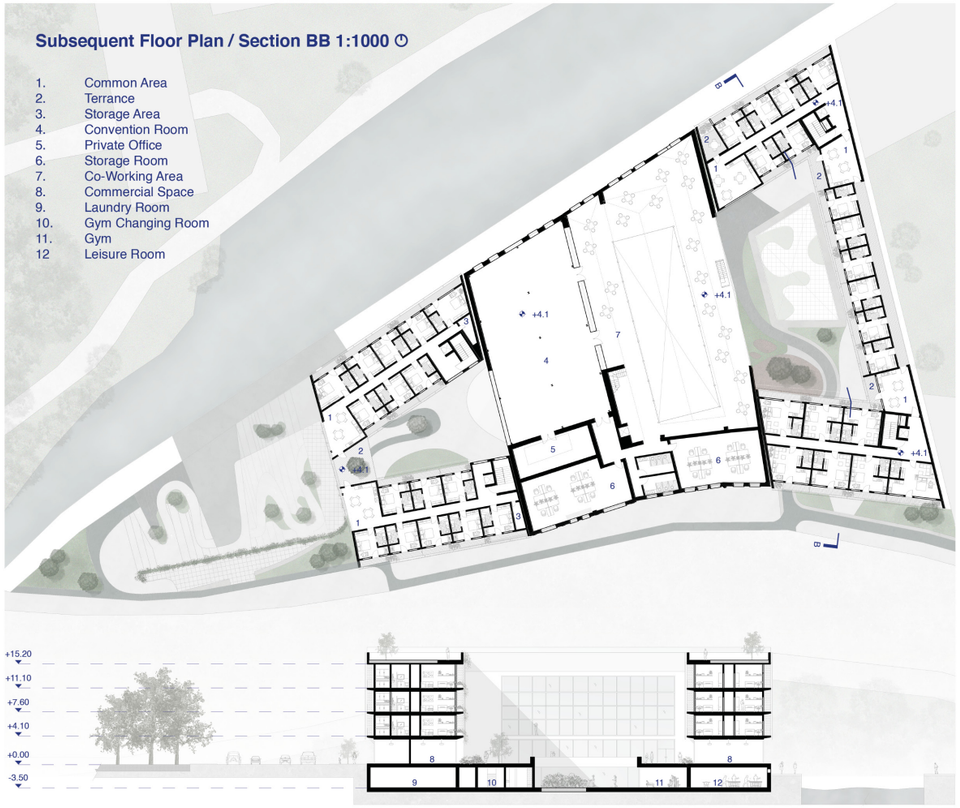
Ground Floor Plan / Elevation AA 1:1000

1. Commercial Space
2. Refuse Room
3. Bike Storage
4. Private Office
5. Administrative Office
6. Meeting Room
7. Co-Working 'Green' Cafe/Bar
8. Co-Working Area
9. Break Room



Subsequent Floor Plan / Section BB 1:1000

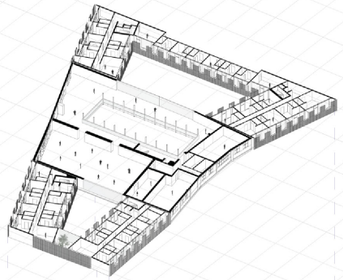
1. Common Area
2. Terrance
3. Storage Area
4. Convention Room
5. Private Office
6. Storage Room
7. Co-Working Area
8. Commercial Space
9. Laundry Room
10. Gym Changing Room
11. Gym
12 Leisure Room



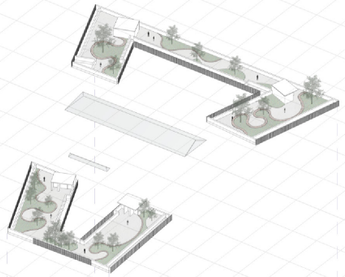
01

From Obsolescence to Relevance

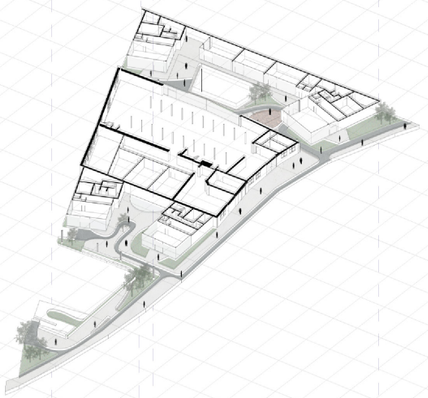
Master's Thesis
2 Team Members
Mixed-Use
London, U.K.



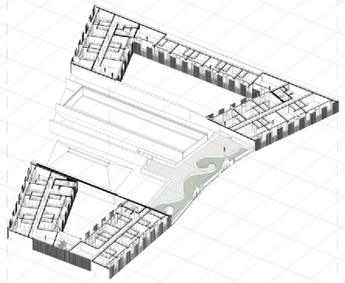
First Floor
Residential area split into two typologies of apartments totalling thirty-five units per floor. Co-working area in the hall of 779-783 Commercial Road.



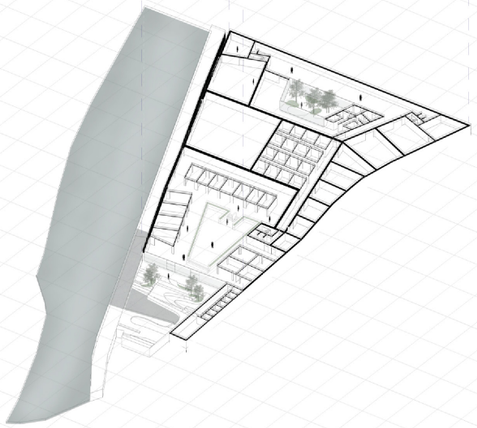
Fourth Floor
Roof gardens above the residential units overlooking Commercial Road and Limehouse Cut.



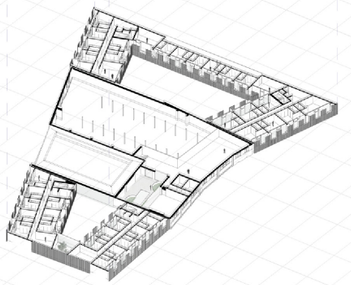
Ground Floor
Provision of two pathways connecting between Commercial Road and Limehouse Cut with commercial spaces. Co-working space in the warehouses.



Third Floor
Residential area split into two typologies of apartments totalling thirty-five units per floor. Roof garden overlooking Commercial Road.



Basement Floor
Connection across the public area between Commercial Road and Limehouse Cut. Private services connecting the two residential buildings.



Second Floor
Residential area split into two typologies of apartments totalling thirty-five units per floor. Meeting rooms overlooking Commercial Road from 777-783.

02

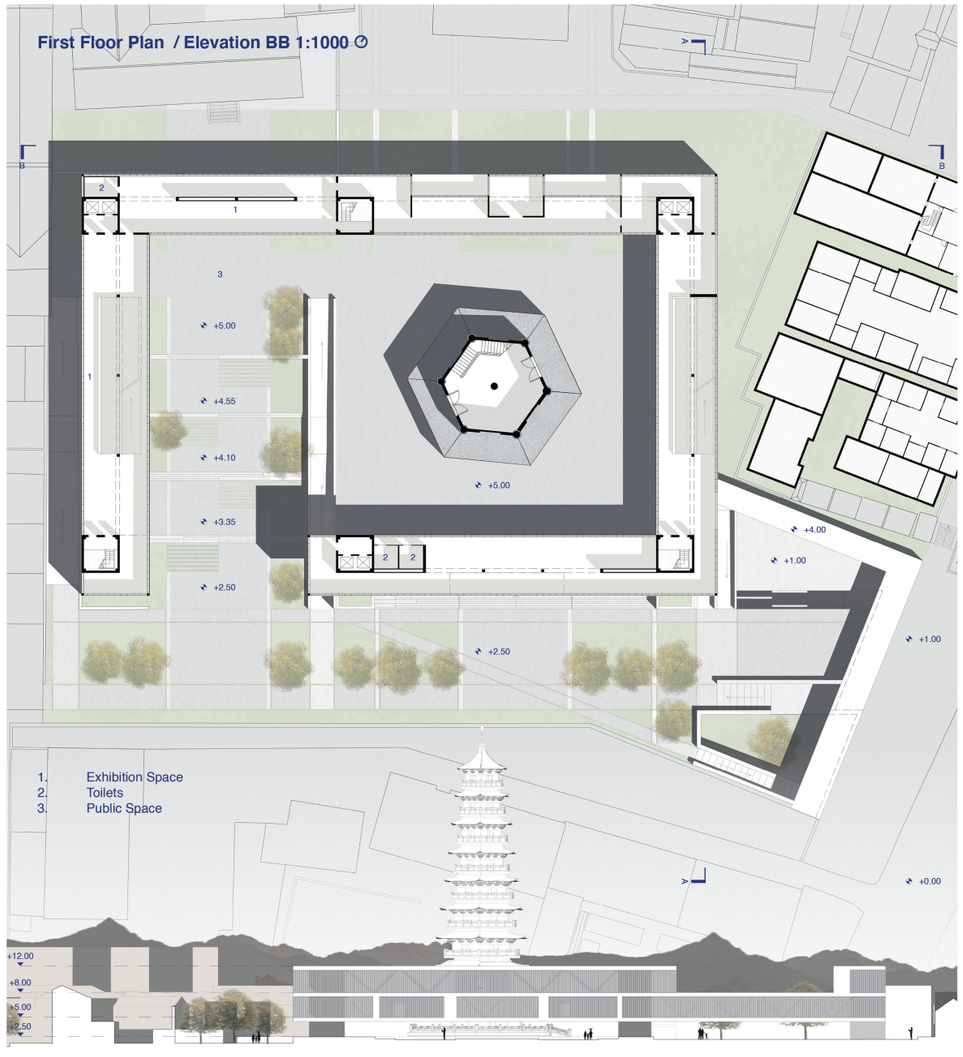
Ganzhou Cultural Centre
Final Year Thematic Studio
4 Team Members
Public Building
Jiangxi, China

Cultural Centre to frame the Song Dynasty Ciyun Pagoda; with a structure aligned to the axis of the Qing Dynasty Confucian Temple; connected to the historic labyrinthine fabric of Nanshi Street in a series of sequential spaces.

1. Pedestrian Movement + Fabric

2. Axis and Alignments

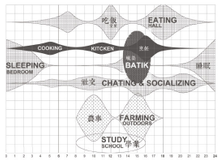
3. Sequential Spaces + Framing the Pagoda + Labyrinth



03

Denglu Village Housing

4th Year Architectural Design Studio
8 Team Members
Housing
Guizhou, China



Family
Men
Women
Children

SEMI-HALL
EATING
COOL OFF

SUMMER

SPRING ATTIC STORAGE

FIREPLACE COOKING **AUTUMN**

WINTER

FIRE-PLACE
EATING & COOKING

ATTIC STORAGE

SEMI-HALL
bask in sunshine

LOW — FREQUENCY — HIGH

CHORES ROOM
HOUSEHOLD CHORES

SLEEPING BED-ROOM

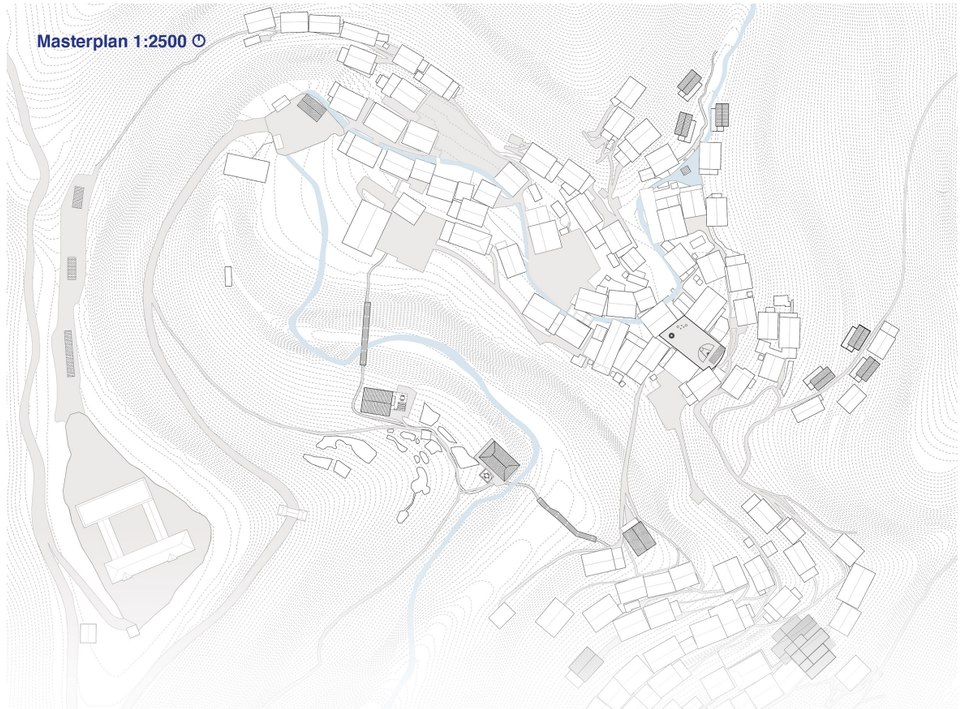
KITCHEN
COOKING

HALL
EATING & GATHERING

SEMI-HALL
ENTERNATIN & SINGING & EMBROIDERY

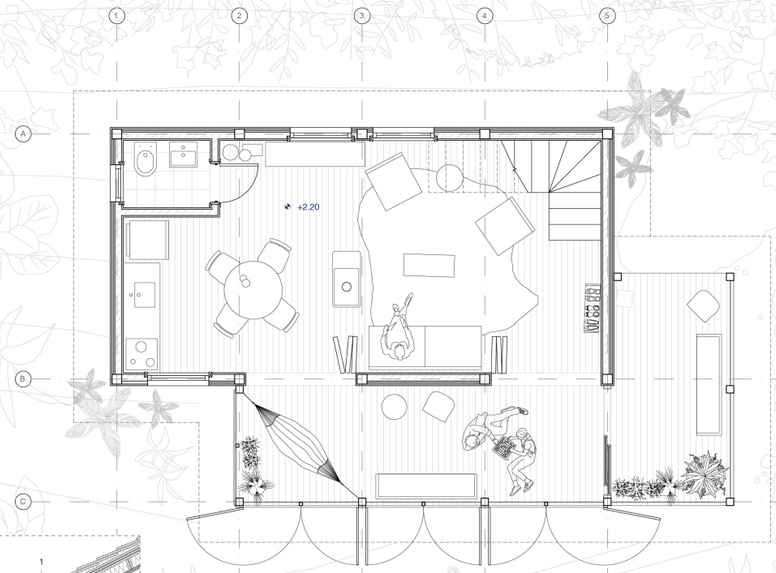
PERMANENT

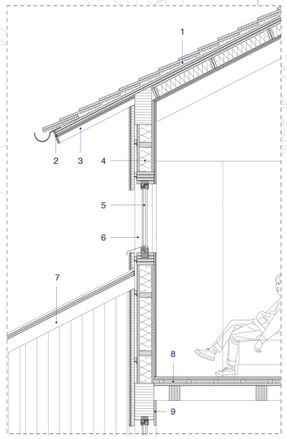
Masterplan 1:2500



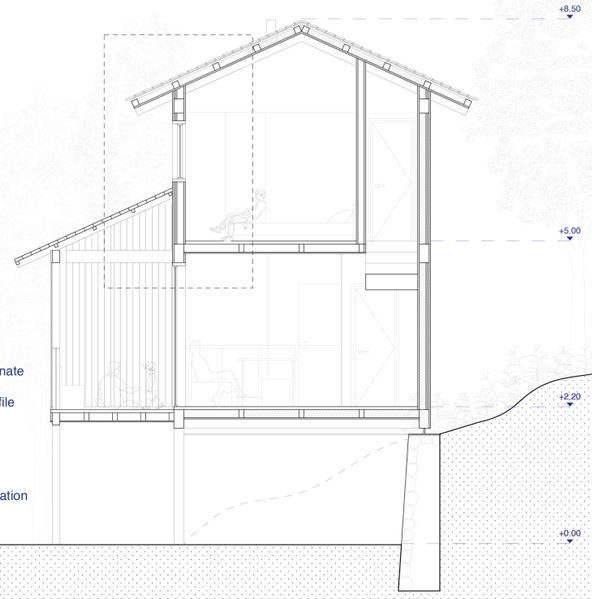
Self-build solution for the Miao ethnic villagers in the remote Denglu village to construct new and adapt pre-existing dwellings with a polycarbonate addition for passive cooling during the day and heat retention in the night.

Ground Floor Plan / Section AA 1:100





Section Detail 1:50

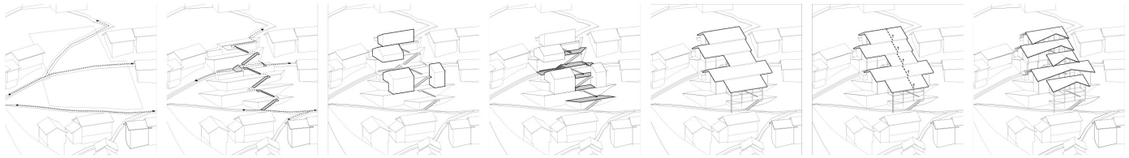


1.		roof canopy construction:	g.	15	bamboo plywood
a.	10/11	anthracite under-and-overtile roof	h.	22	Chinese larch boarding
b.	25	bed of mortar	5.	44	double glazing in a timber frame
c.	50/50	pine battens	6.	40/160	timber post and beam structure
d.	20	bamboo plywood	7.		polycarbonate wall construction:
e.	100/100	pine purlins with	a.	30	five-wall polycarbonate roof panel with
f.	100	rice husk inslation	b.	20/34	aluminium cap profile
g.	22	Chinese larch boarding	c.	40/110	pine rafters
h.	60/150	pine glue-laminated timber rafters	8.		intermediate floor construction:
2.	20	Chinese larch eaves board	a.	110/22	oak floorboards
3.	50	pine rafters	b.	30/40	battens with
4.		facade construction:	c.	20	sound impact insulation
a.	70/200	Chinese larch board	d.	20	bamboo plywood
b.	25/50 +	pine battens	e.	120	timber battens
c.	25/50				
d.	15	bamboo plywood			
e.	40/120	timber stud with			
f.	120	miscanthus insulation			

04

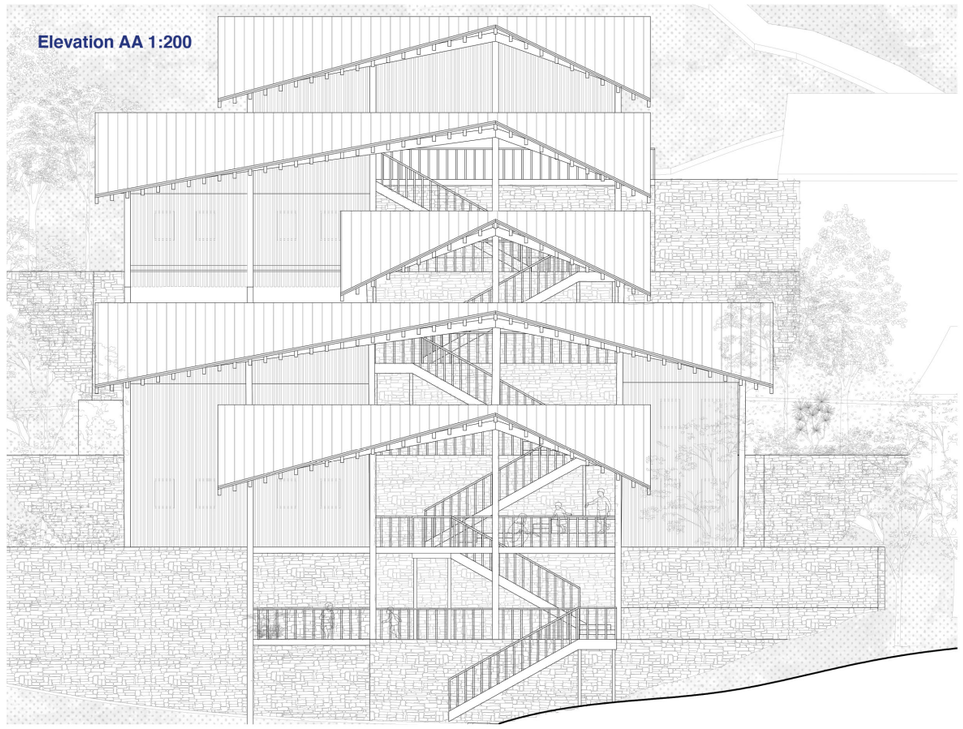
Denglu Village Batik Centre

4th Year Architectural Design Studio
6 Team Members
Public Building
Guizhou, China



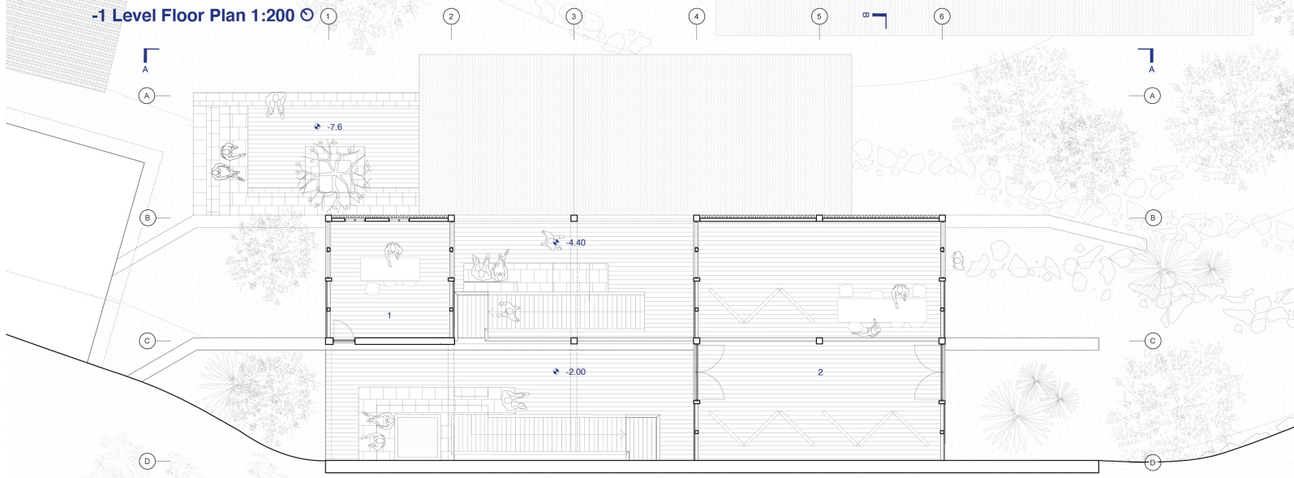
1. Existing Pathways **2.** Vertical Routes **3.** Habitable Volumes **4.** Platforms **5.** Life Under One Canopy **6.** Light, Air and Views **7.** Open to the Valley

Elevation AA 1:200

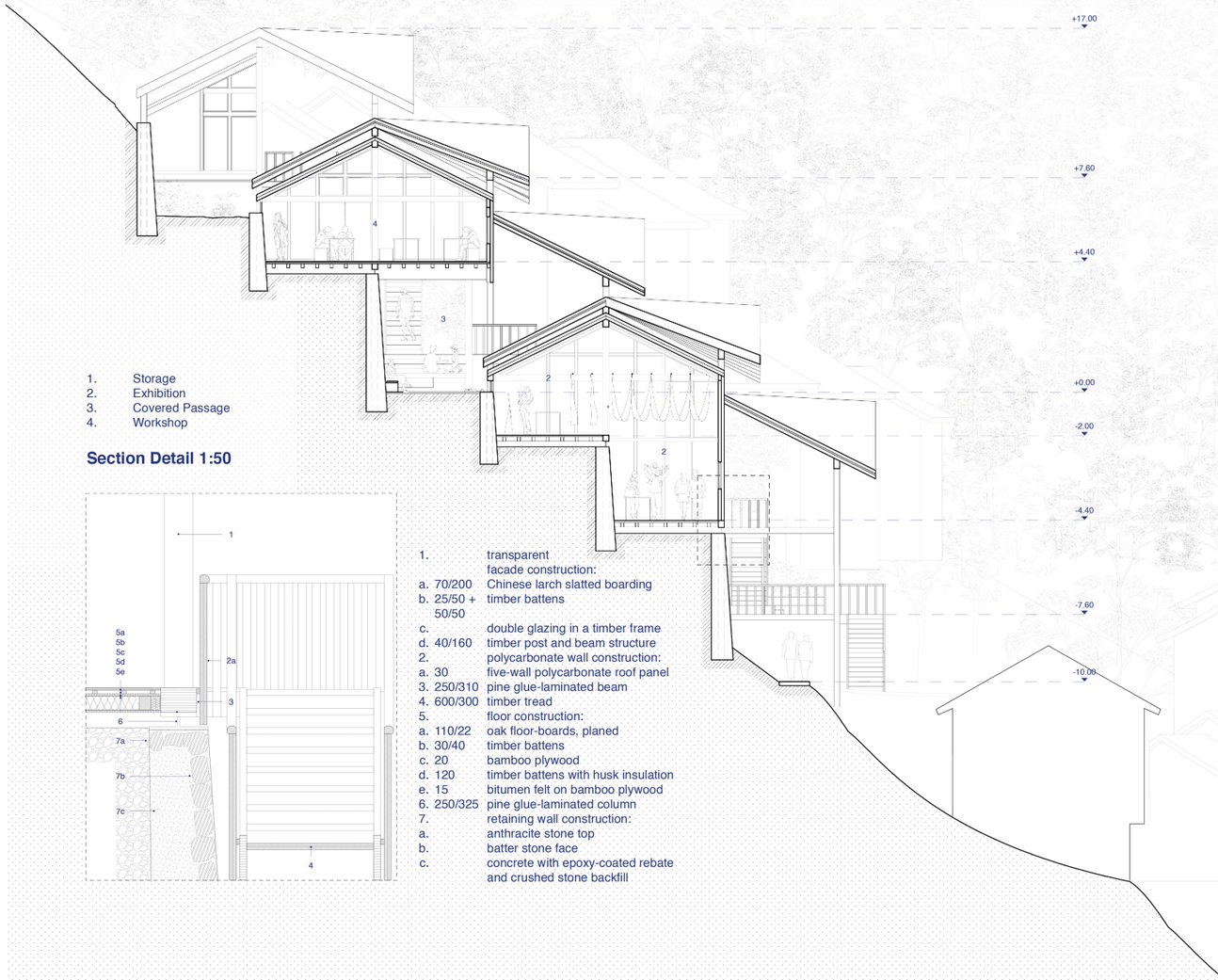


A Batik Centre to celebrate the ancient art of Batik wax-resist dyeing, featuring an artist residency; spaces for the process undertaken in dwellings; for education and exhibitions. The building is situated across pre-existing external pathways with staircases to provide a continuous vertical movement.

-1 Level Floor Plan 1:200



Section BB 1:200



1. Storage
2. Exhibition
3. Covered Passage
4. Workshop

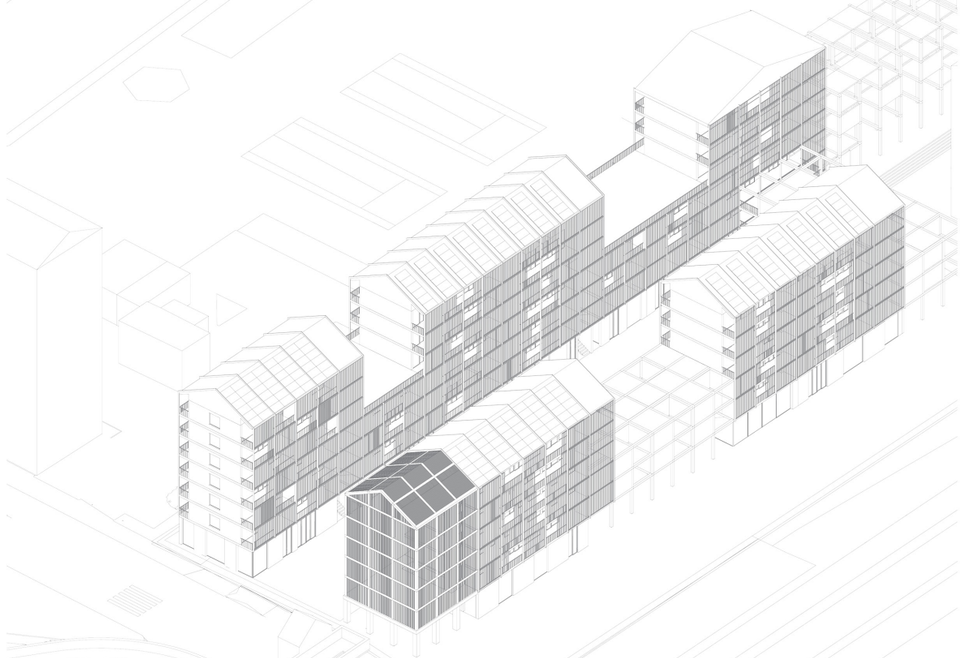
Section Detail 1:50

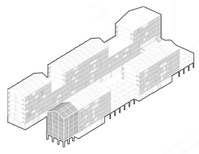
1.		transparent facade construction:
a.	70/200	Chinese larch slatted boarding
b.	25/50 + 50/50	timber battens
c.		double glazing in a timber frame
d.	40/160	timber post and beam structure
2.		polycarbonate wall construction:
a.	30	five-wall polycarbonate roof panel
3.	250/310	pine glue-laminated beam
4.	600/300	timber tread
5.		floor construction:
a.	110/22	oak floor-boards, planed
b.	30/40	timber battens
c.	20	bamboo plywood
d.	120	timber battens with husk insulation
e.	15	bitumen felt on bamboo plywood
6.	250/325	pine glue-laminated column
7.		retaining wall construction:
a.		anthracite stone top
b.		batter stone face
c.		concrete with epoxy-coated rebate and crushed stone backfill

05

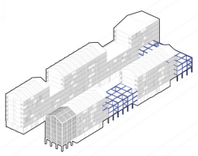
How to Live + Work Together

4th Year Construction and
Sustainability Design Studio
4 Team Members
Mixed-Use
Milan, Italy

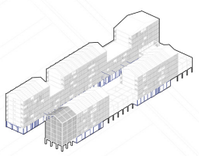




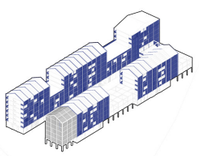
1. Scheme



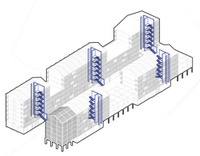
2. Co-Working



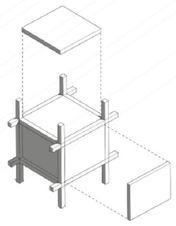
3. Commercial



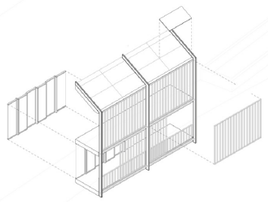
4. Residential



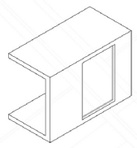
5. Egress



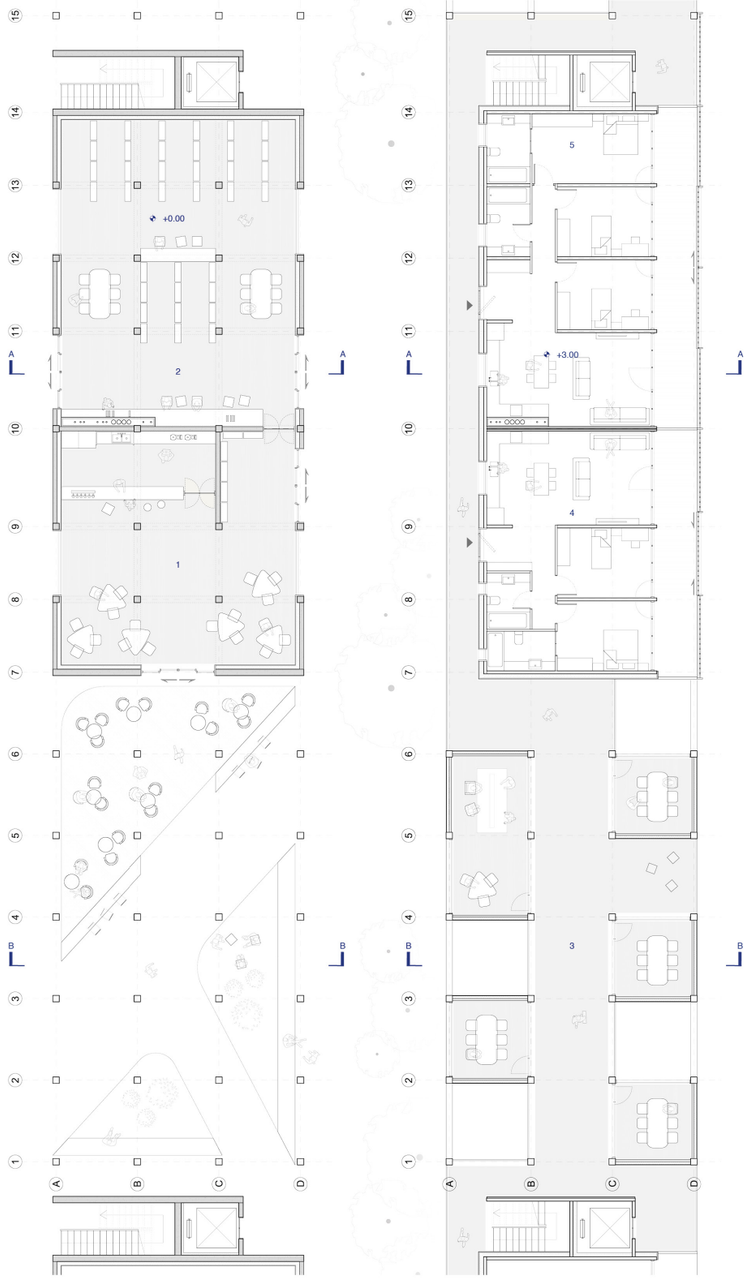
Co-Working
Grid Structure Glulam
Grid Panel CLT



Residential
Unit CLT
Louvre Timber
Windows U-Glass
Roof Cladding PV Panel



Commercial
Unit Reinforced Concrete

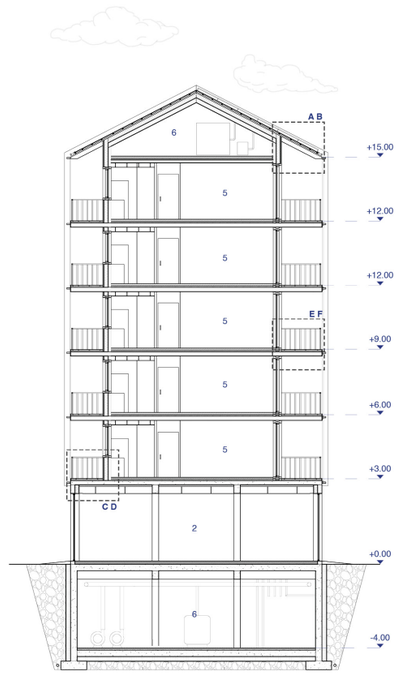


0 Level Floor Plan 1:250

1. Cafe
2. Library

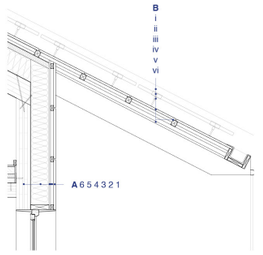
+1 Level Floor Plan 1:250

3. Co-Working
4. 3-Person Unit
5. 4-Person Unit
6. Technical Room



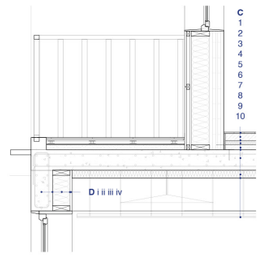
Section AA 1:250

Section BB 1:250



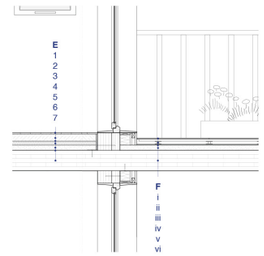
A CLT Exterior Wall I B CLT Roof 1:50

1.	20	wooden exterior wall cladding	6.	140	5 layer CLT board
2.	30	wood battens (ventilated facade)	i.		PV panel
3.	<1	vapour permeable membrane	ii.		PV panel fixing
4.	15	gypsum fibre board	iii.	20	timber roof cladding
5.	180	mineral wool insulation	iv.	50	wood battens
			v.	2.5	EPDM roofing membrane
			vi.	200	5 layer CLT board



C Concrete Slab I D Load Bearing Concrete Wall 1:50

1.	12	timber flooring	10.	425	suspended ceiling system (steel frame + timber)
2.	50	screed			
3.	<1	plastic separation layer			
4.	40	impact sound insulation	i.	300	reinforced concrete
5.	50	gravel fill	ii.	<1	vapour permeable membrane
6.	<1	penetration shield	iii.	10 170	air space and mineral wool insulation
7.	200	reinforced concrete slab	iv.	<1	membrane
8.	75	mineral wool insulation	v.	20	plaster board (fire resistant)
9.	20	gypsum fire protection board			



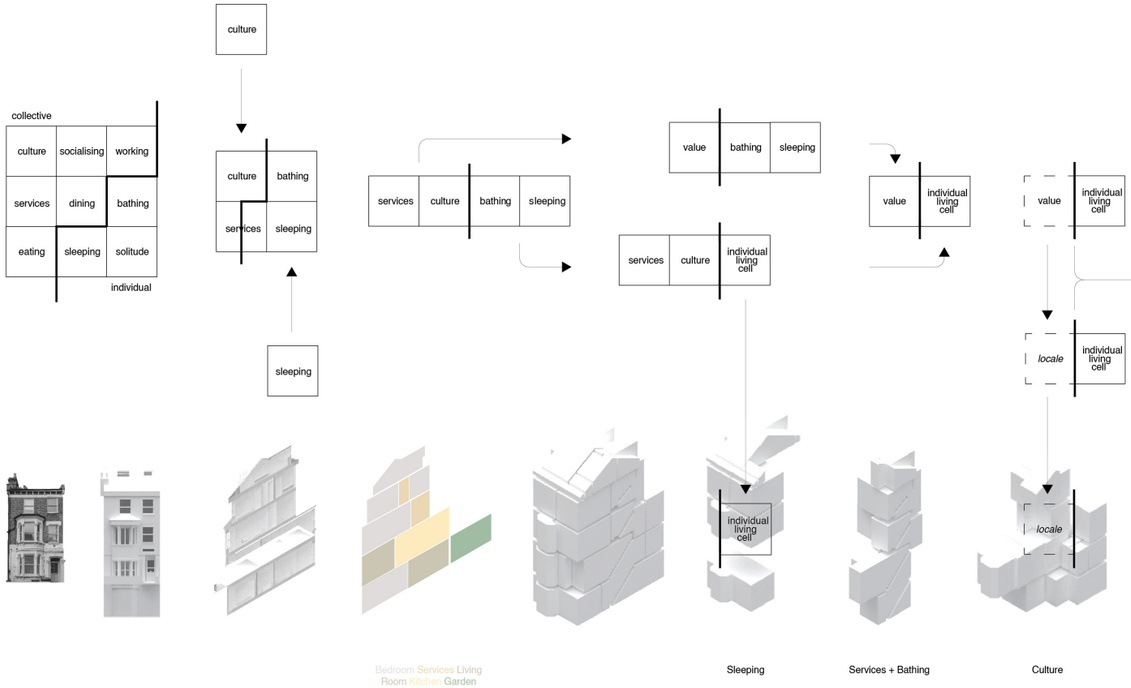
E CLT Slab I F CLT Balcony 1:50

1.	12	timber flooring	7.	200	5 layer CLT board
2.	70	screed			
3.	<1	plastic separation layer	i.	12	timber flooring
4.	40	impact sound insulation	ii.	50	raised floor system
5.	50	fravel fill	iii.	8	gypsum board
6.	<1	penetration shield	iv.	50	gravel fill
			v.	<1	penetration shield
			vi.	140	5 layer CLT board

06

One and All Dwellings; One and All Locales

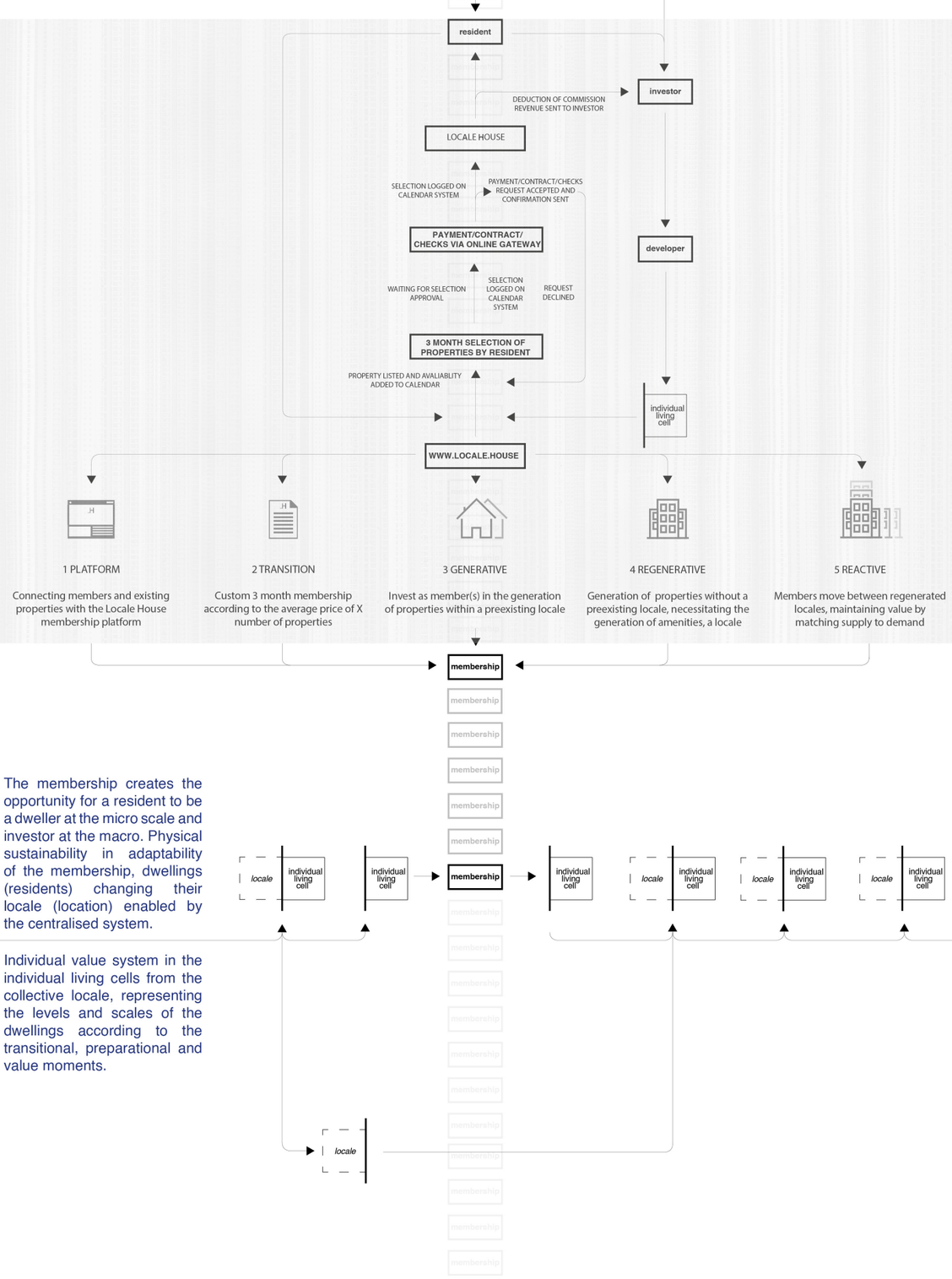
Bachelor's Dissertation/Global Grad Show
Housing System
Individual
London, U.K.



06

Locale House

Global Grad Show
Entreprenurship Programme
Membership System
Individual
London, U.K.



The membership creates the opportunity for a resident to be a dweller at the micro scale and investor at the macro. Physical sustainability in adaptability of the membership, dwellings (residents) changing their locale (location) enabled by the centralised system.

Individual value system in the individual living cells from the collective locale, representing the levels and scales of the dwellings according to the transitional, preparational and value moments.

06

One and All Dwellings; One and All Locales

Bachelor's Dissertation/Global Grad Show
Housing System
Individual
London, U.K.

value
individual living cell

1:15000

51.483892, -0.124743
Vauxhall
Lambeth
London
SW8
15 minute radius (walking)

London Borough of Lambeth

contemporary 20-39 population (2015) 6,828
contemporary population (2015) 15,661
projected population (2015) 17,070
contemporary density (2015) 36,420 pp sq mi
projected density (2025) 39,697 pp sq mi

live births (2013) 4,589
deaths (2013) 1,384
historic population (1931) 391,000
historic population (1988) 249,000
historic population (2011) 303,000
contemporary population (2015) 321,984
projected population (2021) 339,000
projected population (2031) 360,000
projected population (2039) 389,000
contemporary density (2015) 31,079 pp sq mi
projected density (2039) 37, 584 pp sq mi

1:15000

individual living cell
value

value
locale

public park
square
plaza
terrace

laundrette
dry cleaners
supermarket
market
store
train station
bus station
garage

1:15000

1:15000

locale
services

locale
garden

library
cafe
cinema
musuem
theatre
co-working
studio

1:15000

locale
living

restaurant
cafe
market

1:15000

locale
kitchen

1:10000

locale
value

density
development

access (opening)
accessibility
footfall
dwelling (time)
capacity

transport (links)
public space
housing
stores

individual living cell

locale
individual living cell

value

06

One and All Dwellings; One and All Locales

Bachelor's Dissertation/Global Grad Show
Housing System
Individual
London, U.K.

Through exploring and developing a value based approach to space as an alternative to contemporary housing development, the resident is empowered in a sustainable method of development at an urban scale, questioning its contemporary linearity.

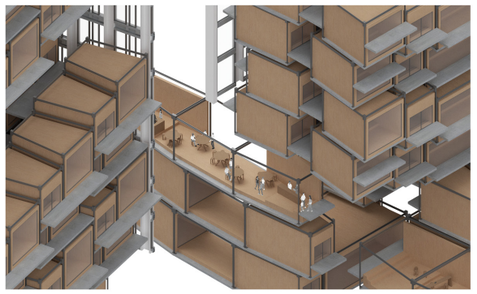
To mediate between the feasibility of a scheme and the necessity to house, with the application of a new value based methodology to bring into contention our association with traditional typologies.

1. Transitional
two steps down

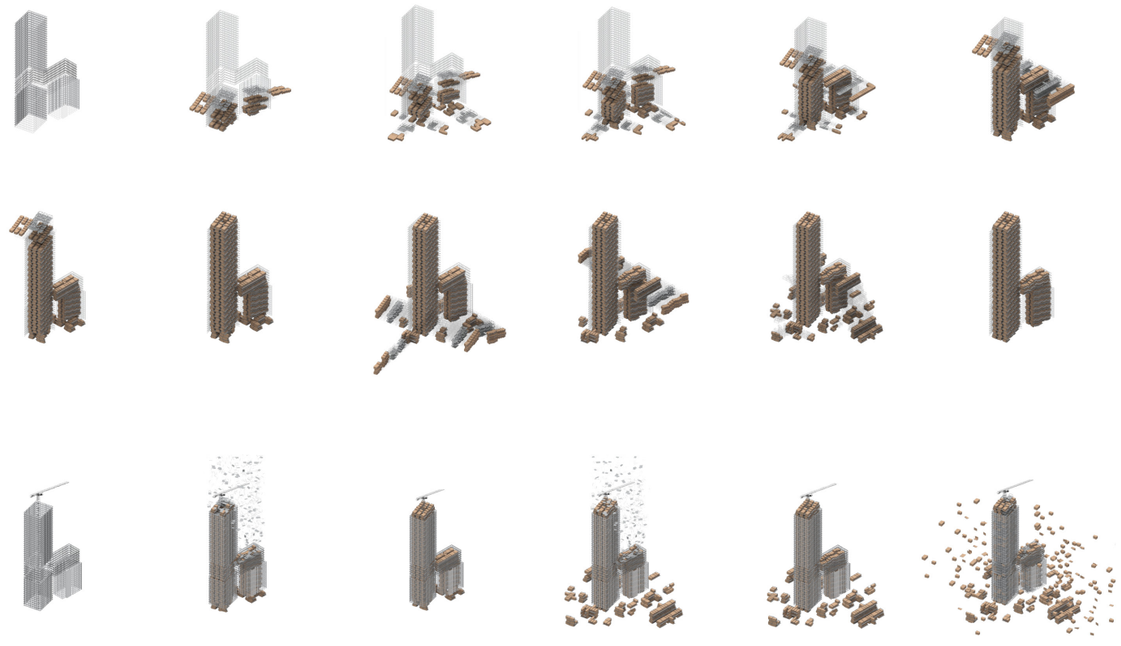
2. Preparational
for the value

3. Value one step down
to the individual value

Internal Value System Axonometric 1:1000

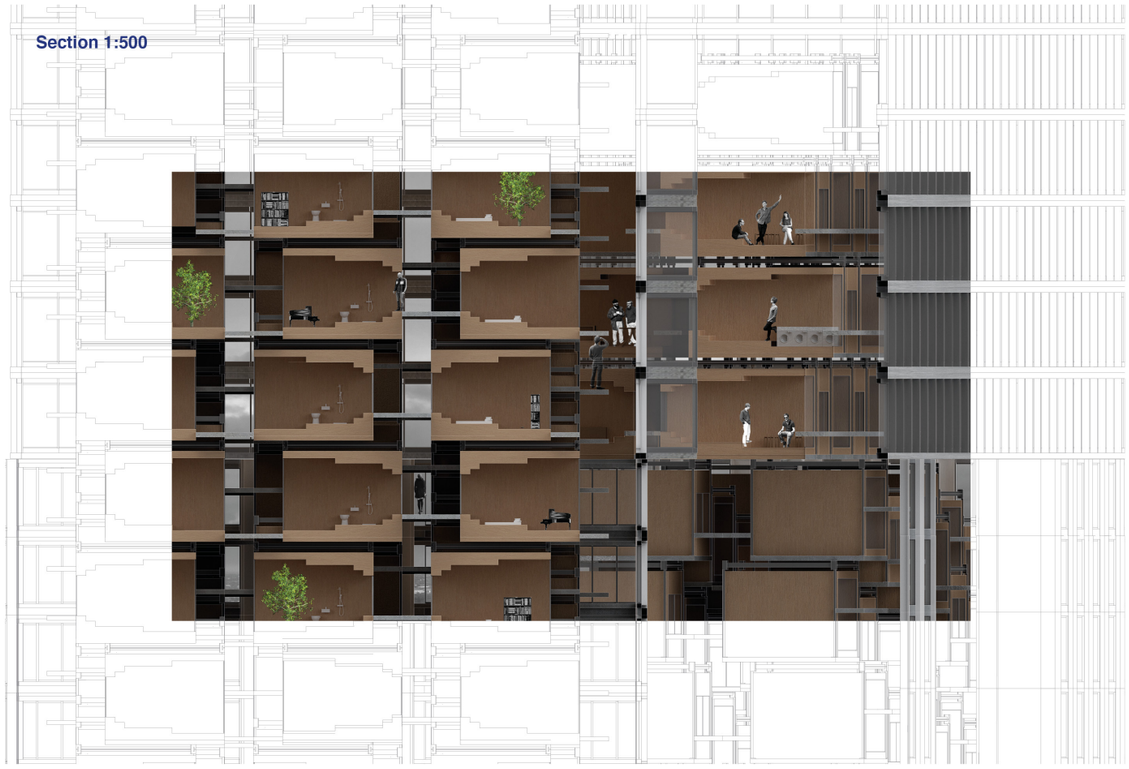


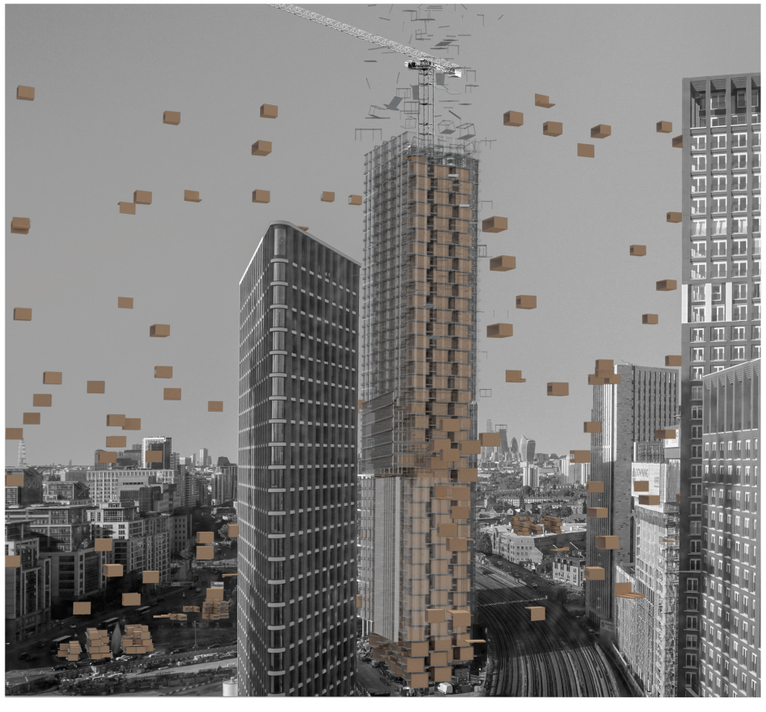
External Value System Axonometric 1:10000



69-71 Bondway, Vauxhall, London SW8 (test site) regenerated with living cells in the context of a locale, based upon the division of London's terraced housing typology into the individual and collective.

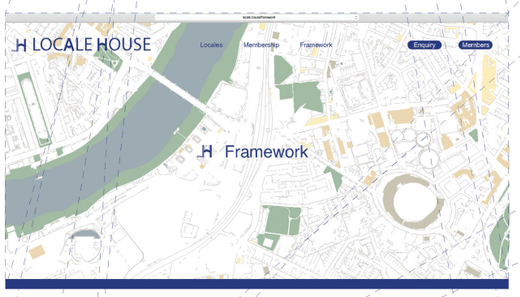
Section 1:500

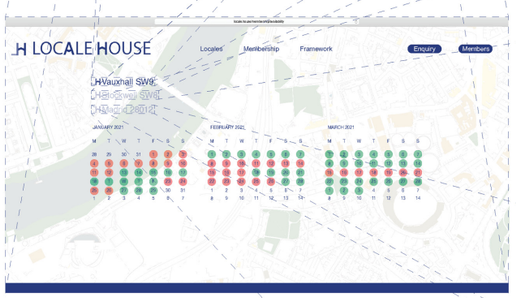


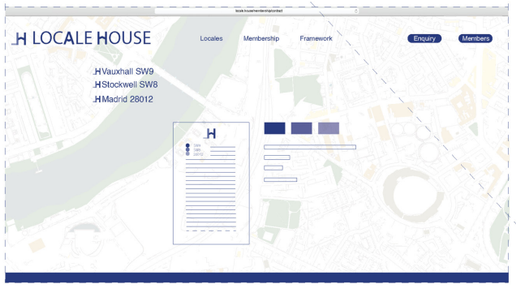


Locale House
Global Grad Show
Entreprenurship Programme
Membership System
Individual
London, U.K.

locale.house, the platform residents use to interact with the membership system.







JAMES

BELL