MANCHESTER SCHOOL
OF ARCHITECTURE 2021

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KEVIN SINGH
Head of School

Welcome to the 2021 Manchester School of Architecture on-line catalogue.

Despite the numerous challenges we have all faced during the pandemic it has been a very exciting year at the Manchester School of Architecture, a year where staff and students alike have had to adapt quickly to the circumstances and the uncertainties we have faced, by committing to teaching online all year.

Our incredible students who have been magnificent this year in the way they have accepted the situation, maintained their passion and commitment to the discipline, and produced some fantastic work. This resilient attitude will stand them in good stead in their careers ahead. Within this catalogue is the student work from across the School, including BA and M.Arch Architecture (and in particular our Ateliers which celebrate difference), Master of Landscape Architecture, as well as a window into the day to day activity of the MSA with features on aspects such as our Provocations debates, MSA Live (formerly Events), our student society MSSA, and staff research.

As the new Head of School, I have also instigated change, focusing on completing initiatives started by new predecessors, putting in place new systems and processes, and bringing some new ideas, all of which is designed to make this wonderful School even better! We have a number of new programmes in the pipeline which predominantly focused on extending and enhancing our post graduate offer, a series of prestigious and exciting international links, and our influence via research and publications continues to grow as you will see elsewhere in this catalogue. We were also joined by eminent Manchester architect, Stephen Hodder who was appointed as a Professor of Architecture alongside his work at Hodder + Partners.

The School has a long-held tradition of engaging with societal issues and accordingly we have responded swiftly and genuinely to two current issues. Firstly, our student body were very animated with the Black Lives Matter movement and together we have focused on decolonising the curriculum which then led to a School-wide EDI code of practice. Secondly, given the urgency in responding to the climate crisis we have published our statement on how the MSA will address climate change in our teaching and practice which also demonstrates our direction of travel in relation to RIBA's Themes and Values that place climate literacy central to architectural education. This year's quinquennial RIBA Visiting Board will also be an opportunity to showcase these initiatives.

As much as the pandemic has been incredibly challenging and working online rather relentless, we have discovered some new opportunities. We have been joined by critics and guests from around the world for our Provocations, Salons, and Open Reviews who have provided our students with a truly global perspective, our international students have been able to work on sites within their home countries, and the online lecture format has proved to be very accessible and inclusive. We will certainly be reflecting on some of these positives so we can continue to improve the student experience.

I would like to extend our sincere thanks to all of the School staff and Associate Lecturers who have been incredible in their support for the students despite often dealing with the personal challenges that the pandemic has brought to us all.

I would also like to thank the numerous practices, organisations, and community groups (especially in MSA Live) who have contributed to our curriculum this year, we are so grateful for your continued support in these difficult times.

We look forward to seeing you in person next year but in the meantime, please enjoy the work of our amazing students online!

Professor Kevin W Singh
Head of Manchester School of Architecture

From touring the past sites of Manchester's cinemas, it soon became evident to me that some level of demolition of the interiors were required for each building, whilst keeping the outer shells. What if the opposite were true? What if the internal spaces were the elements of permanence, and the outer structure of the buildings were to have shorter life-spans. What if there was an excitement of change to the external nature of the building, reflecting its use remains and develops through time.

In order to allow for this state of flux, layers of materiality, based on a hierarchy of permanence will form LightHouse cinema on Oxford Road in Manchester. The most internal spaces of greater longevity than the outer. A series of thresholds, like the layers in a city, form the polylithic structure and act as a continuation of the ground. An extension of the public realm is created for the universal celebration of light.

Image: Grace McGuire - Light House

BA (Hons) ARCHITECTURE

Image: Mylan Thuroczy - An Interchange for Socially Responsible Seamless Future Mobilities

BA (Hons) ARCHITECTURE

DAN DUBOWITZ
Programme Leader

The BA at Manchester School of Architecture launches with a deeply immersive and energetic programme which integrates Studio, Humanities, and Technologies; so that our students can find out for themselves what becoming an architect might mean for them.

After establishing their skillset in year one, second-year MSA students begin practising independently, learning how to develop and articulate their own positions and to shape their own trajectory. This builds a momentum towards third-year when students select their own programme. There are nine Humanities electives and students choose between one of seven flag ship Ateliers (vertical studios) working alongside postgraduate students from MArch for the year with a team of 4 research-active staff and 4 external practitioners.

What sets the MSA undergraduate programme apart from other schools of architecture is a citizen pedagogy that engages students in live projects and real-world challenges, from mitigating climate change to constructing a more inclusive public realm. Throughout the 3-year BA programme, our students are supported in identifying what their own matters of concern and care are, both as citizens and as emerging professionals. Our teaching centres on research through speculative design and our staff mobilise their research-practice to develop immersive briefs that engage and challenge.

Manchester, since the birth of the industrial revolution, has continually made and remade itself, leading to its identity as a radical city and this is reflected in socially and politically engaged designs across the BA programme. There is no 'school style' at MSA, the student work encompasses an eclectic range of personal and cultural perspectives, is inquisitive, highly creative and truly diverse.

To make tomorrow's cities, architects and urbanists will need a different understanding and new ways of making architecture if they are to engage citizens meaningfully in the transformation of their cities. To achieve this we have made some substantive changes to our programme this year with the establishment of four new roles: a Head of Humanities, Climate Action lead, two Skills leads (analogue and digital) and the introduction of new lecture series and an additional half day of studio to explore new design methods to the BA programme for both first and second years.

Based on the idea that a site is made and not found, the new Analogue Skills workshops teach improvisational design methods. Students experiment with new ways of developing their designs through doing and making: experimenting with photography, collage and juxtaposition as design tools, learning through redrawing and model-making. Through this programme, testing ideas and positions, students are developing in their Studio, Technology and Humanities projects week by week, leading to a renewed interest and deeper engagement with the design journal as a tool.

The new lecture series 'Writing the City' considers the wider responsibilities of Architecture and Urbanism beyond the bounds of the site and interrogates the ethics of architectural practice for cities across the globe including: Seoul, Accra, Jakarta, Tokyo and Guayaquil. A critical understanding of climate change is comprehensively addressed this year with a new lecture series 'Architecture, Climate and Society'. The focus is on students developing an informed position on climate change, shifting the discussion from resources materials/technological solutions to the ethical, social and political issues in design posed by the climate crisis. Technologies and Humanities have worked together this year to explore how the expanding curriculum on climate change action can be explored in all areas of student work through the programme.

This has been an extraordinary year for us all during the pandemic with enforced lock-downs, losing access to our buildings and the sense of community that affords. It is something we have been through together and felt keenly. In spite of these challenges, it has heightened our students' sense of enquiry. The innovation and imagination in their work in the BA is a testament to the agility and determination of our students and their diverse ambitions to make the world a better place for all. To some extent, this experience has made us all stronger and will stand everyone in good stead in their future careers.
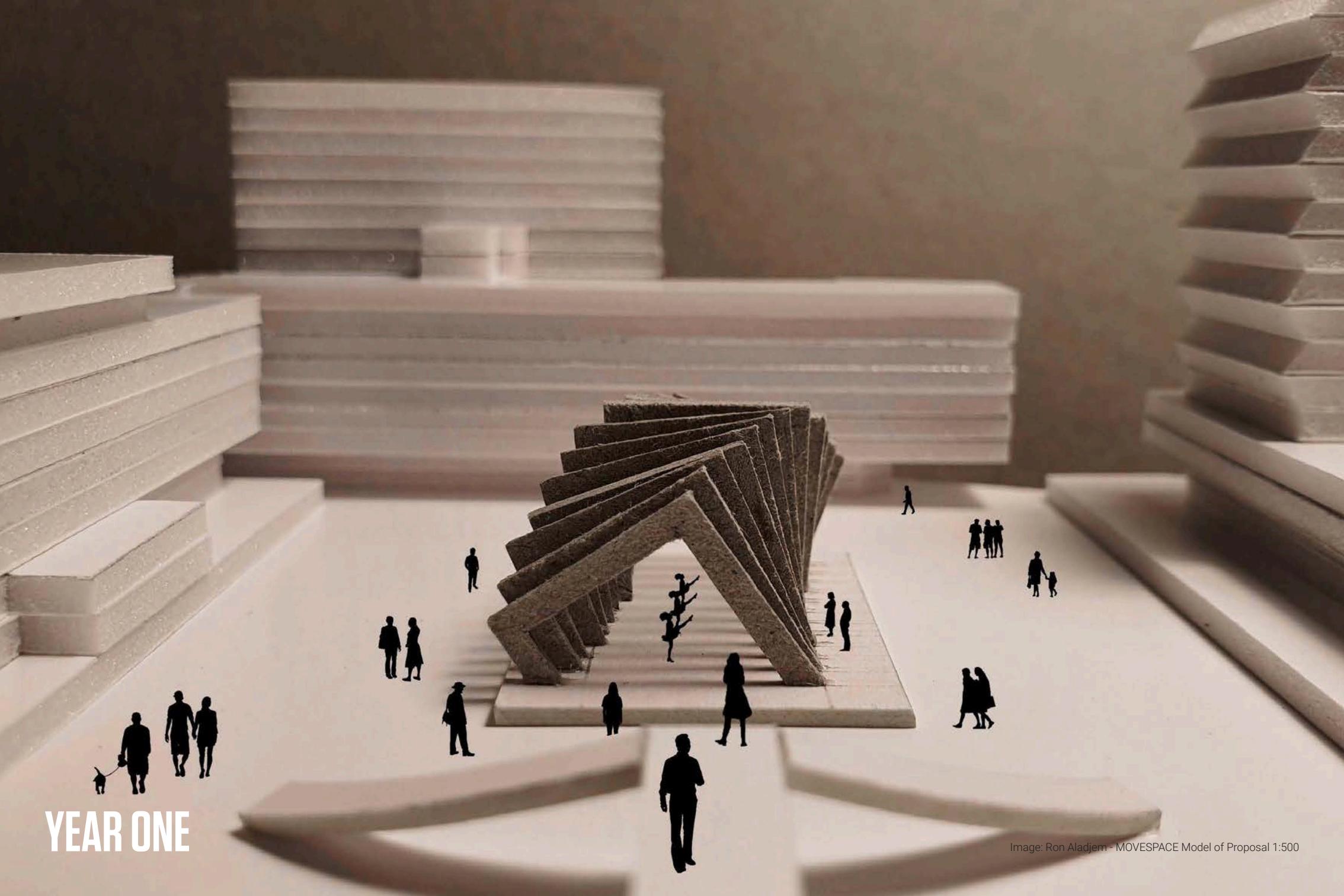
YEAR ONE

Image: Ron Aladjem - MOVESPACE Model of Proposal 1:500

YEAR ONE

EMILY CROMPTON
BA1 Lead

Tutors
Maggie Atanasova (Co-Lead)
Stephen Connah
Joe Dempsey
Eddy Fox
Amy Hanley
Colin Harwood
Vik Kaushal
Jennah Kinsey
Dino Kotlar
Carma Masson
Kasia Nawratek
Dan Newport
Jonathan Morrison
James Robertson
Loris Rossi
Dominic Sagar
Tamara Salinas Cohn
Matthew Steele
Kate Stott
Steve Wall
Yun Wu.

Guest Reviewers
Vikki Adegoke
Kamlesh Bava
Peter Croft
Tomaz Crompton
Jacques Doody
Tommy Harrison
Ed Martin
Elly Mead
Adam Park
Ingrid Petit
Emily Pitts
Selasi Setufe
Jo Sharples
Vanessa Torri
David Wilkinson
Steve Wilkinson
Ramsey Yassa
Laurence York.

Special Thanks
Scott Miller (B.15 Model Making Workshop)
Saul Backhouse (B.15 Model Making Workshop)
Pete Powell (MMU Makers Workshop)
Andrew Barnett (Hopkins Architects)
Elaine Cooke (MMU Libraries)
Angela Connelly
Ray Lucas
Sigita Zigure.

SYNTHESIS
First year at Manchester School of Architecture focuses on understanding and developing each individual students' character, skills, aptitude and passion, as part of a vibrant, diverse and inquisitive cohort. We ask students to bring their existing knowledge and be open to experimenting to unlock a new understanding of architecture. Each project begins with an investigation of a variety of elements, and demands a synthesizing and fusing information into unique design proposals. Sites this year were in UMIST's public space, Manchester's Northern Quarter, as well as asking the students to connect one project to a gig venue in their own location, wherever that was in the world!

Our BA1 cohort has shown resilience and maturity throughout the difficulties and challenges provided by the pandemic. Students have developed robust design methodologies and processes as well as an impressive toolkit of skills and expertise. Emphasis was placed on the students' own heritage and culture to create individual connections to each brief. Students were encouraged to experiment, play and refine their designs, along with consideration of the wider issues affecting architectural practice such as the climate emergency and 'otherness'. Studio activities use a series of 'doing' words as titles, (starting, presenting, evaluating, reviewing etc.) to call the students to action each week and cultivate an appreciation that architecture is something we 'do'. This year students have demonstrated their ability to synthesize the context surrounding spatial design including social, economic and political factors responding to complex design briefs with sensitivity and creating accomplished projects.

STUDIO 1.1
MYSPACE began the year with an investigation of the room the students found themselves inhabiting for the year (or for that moment). Surveying, understanding scale and an eye for detail were key in this project, and imaginations were challenged to suggest an improvement to the space. From the outlandish to the practical, ideas were communicated through 3D models and 2D drawings.

MOVE SPACE explored the relationship between human movement and space in the design of a pavilion for a specific dance style, selected by the student. The design process started by visualising the movement observed in the dance and designs transformed movement into space by exploring atmosphere, shape and surface and how these elements impacted on the audience's perception of the dance. The pavilions were sited in and around the public space at the old UMIST campus.

EXPLORATION instead of the usual European or UK based study trip, we challenged students to explore their current environments (urban, rural or even internal, in the case of those in quarantine) with newly architect-trained eyes. Surroundings were documented through sketching, photography and diagramming.

STOPOVER explored the notion of 'home' through the design of a micro-home for a musician, which was parasitically attached to an existing gig venue. Students used a musician as protagonist for their project, examining the human form and specific ergonomics and personality of the musician. By locating projects on existing buildings, it gave students the opportunity to consider context in their design solutions.

STUDIO 1.2
MAKER / SPACE began by inviting students to select a product from their home country or town, heritage or culture. The brief asked students to design a new building for the manufacture, sale and exhibition of that specific product. The city centre site was located on Piccadilly and Gore Street.

SITE/ PRODUCT/ PROGRAMME asked the students to interrogate the given site using desktop research as well as making site visits where possible. Students researched their product by documenting the manufacturing process, as well as investigating the programmatic challenges of the brief. This project ended with a review of initial designs with invited guests from practice.

RESOLVING saw the culmination of project development and concluded in a final design of a building for the students' imagined clients.

EXHIBIT explored architectural drawing and model making as a method of communication through the creation of one outstanding exhibition piece. Methods and testing were recorded in an experimental sketchbook.
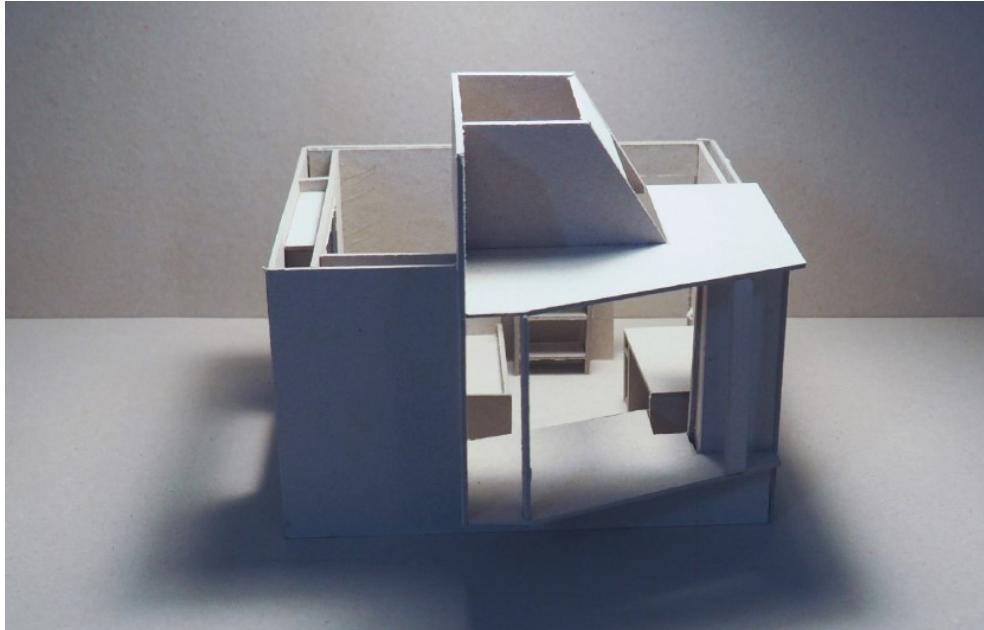
MYSPACE | Michael Kan – Model 1:20
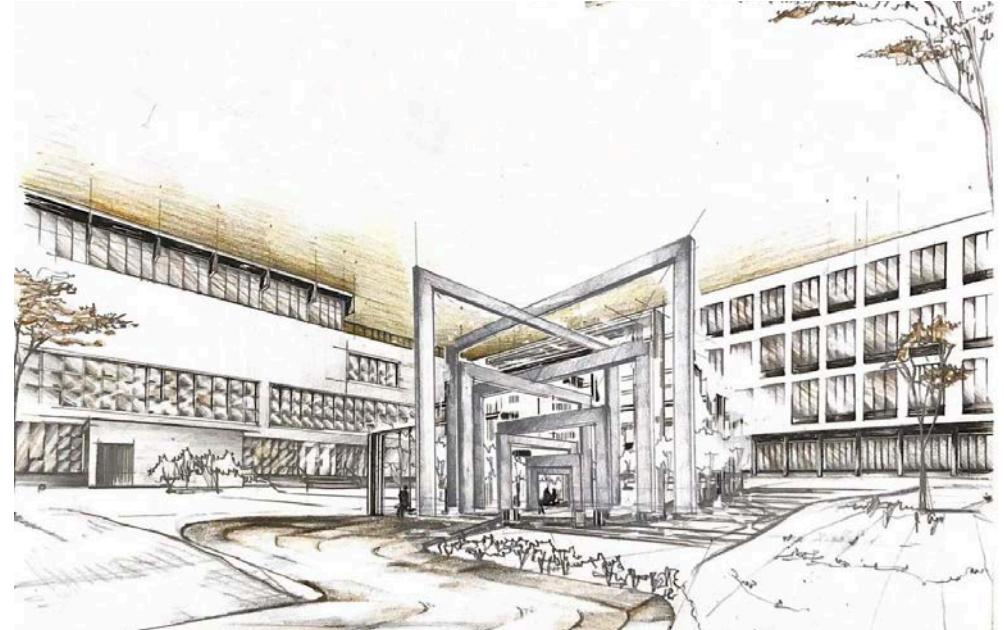
MOVESPACE | Natasha Nedelcu - Proposed Perspective

MOVESPACE | Damla Tunc - Pavilion Model 1:100
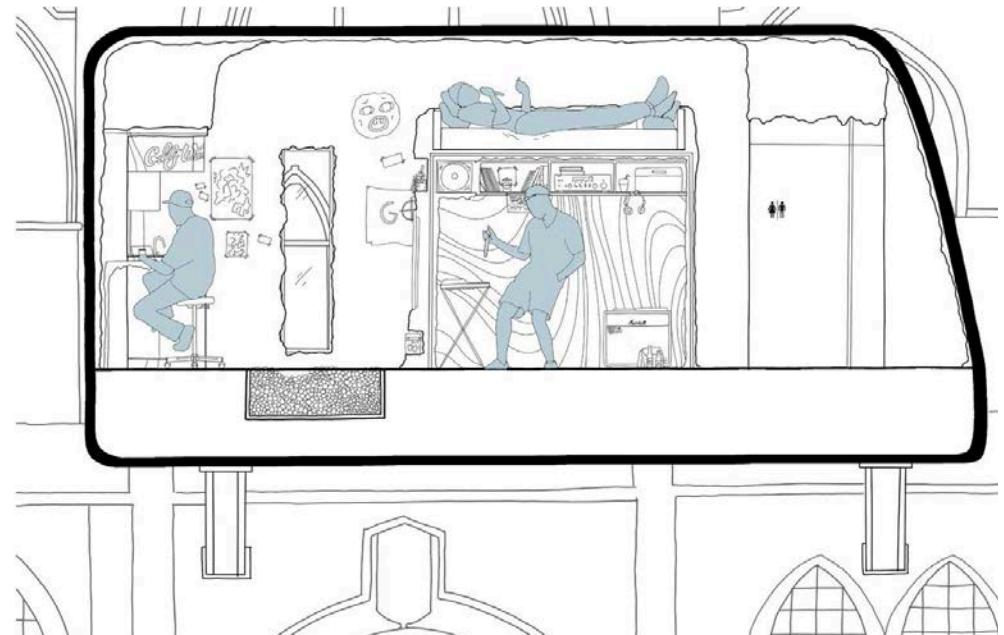
STOPOVER | Alessandra Baroni - Proposed Section 1:10

STOPOVER | James Baker - Internal Perspectives

SUN PATH ANALYSIS

- Sell
- Education
- Make
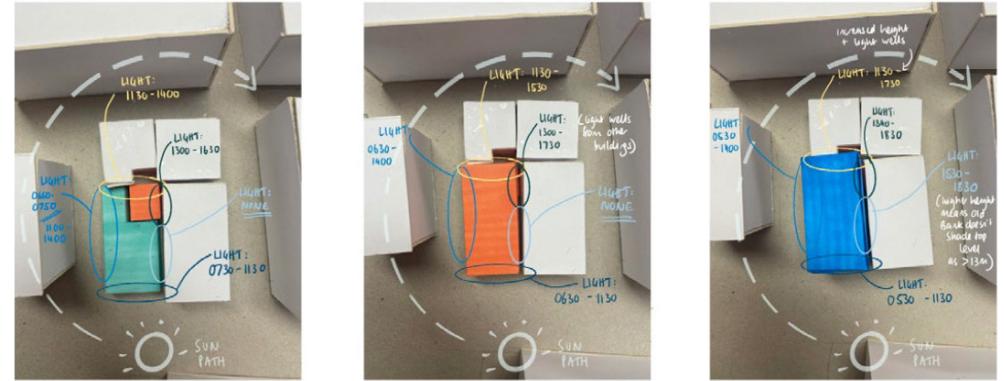
MAKER SPACE PROGRAMME | Katie Nancarrow - Programme Development

MAKER SPACE PRODUCT | Isabella Mearns - Internal Vignettes
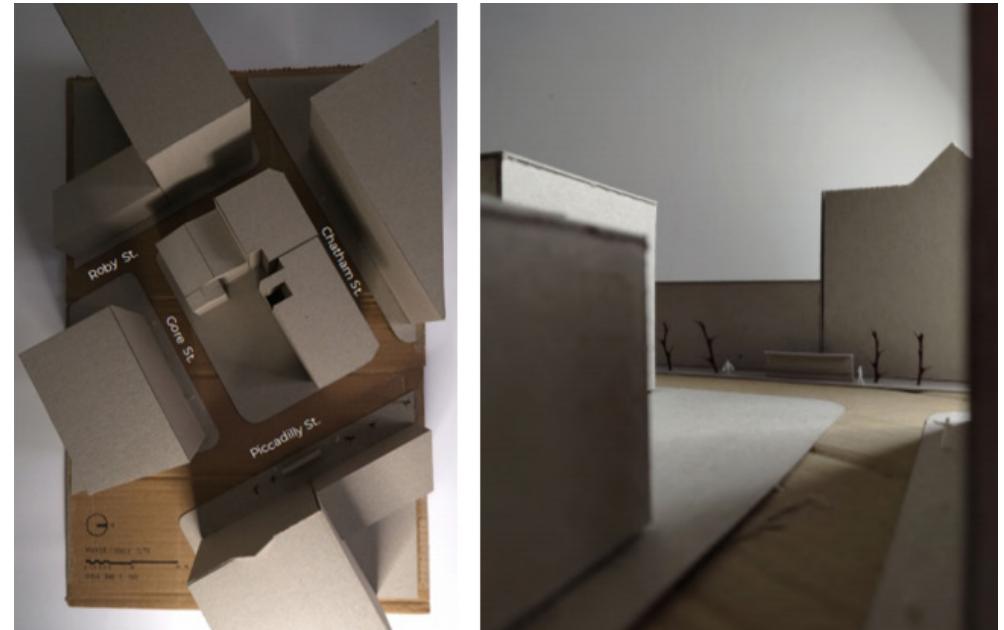
MAKER SPACE SITE | Rana Budianta – Site Model 1:200

MAKER SPACE RESOLVE | Ewa Sokolowska - Sectional Model 1:50
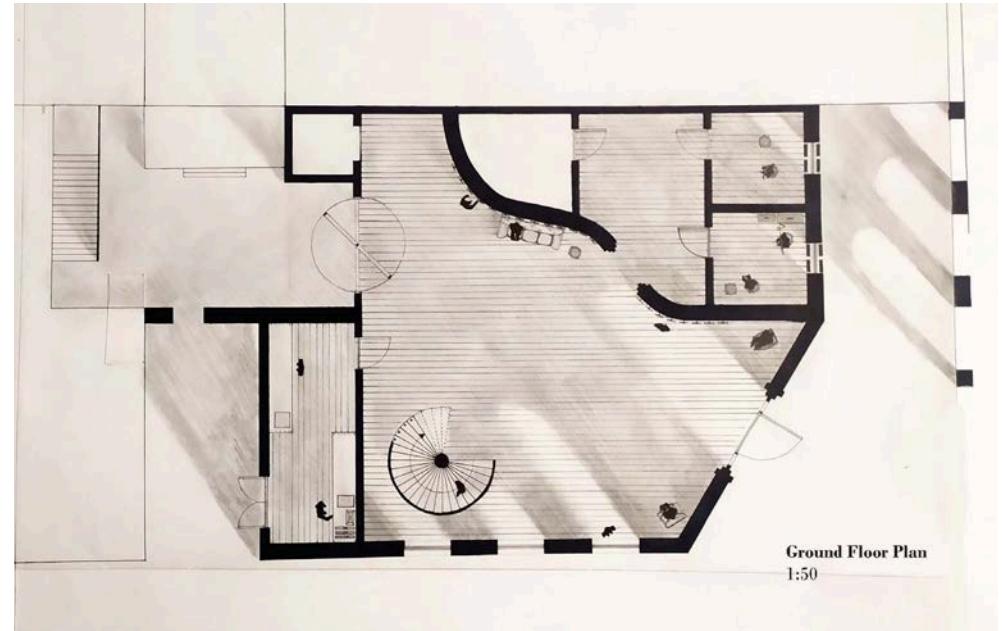
MAKER SPACE RESOLVE | Myles Cathcart Wootton - Proposed Plan 1:50

MAKER SPACE RESOLVE | Man Hei Siu - Proposed Section 1:50

MAKER SPACE EXHIBIT | Adam Hartopp - Sectional Model 1:50

MAKER SPACE EXHIBIT | Alexia Borcoman - Exploded Axonometric

MAKER SPACE EXHIBIT | Rawan Mohammed Mir Abdulla Ahmad Khoori - Visual
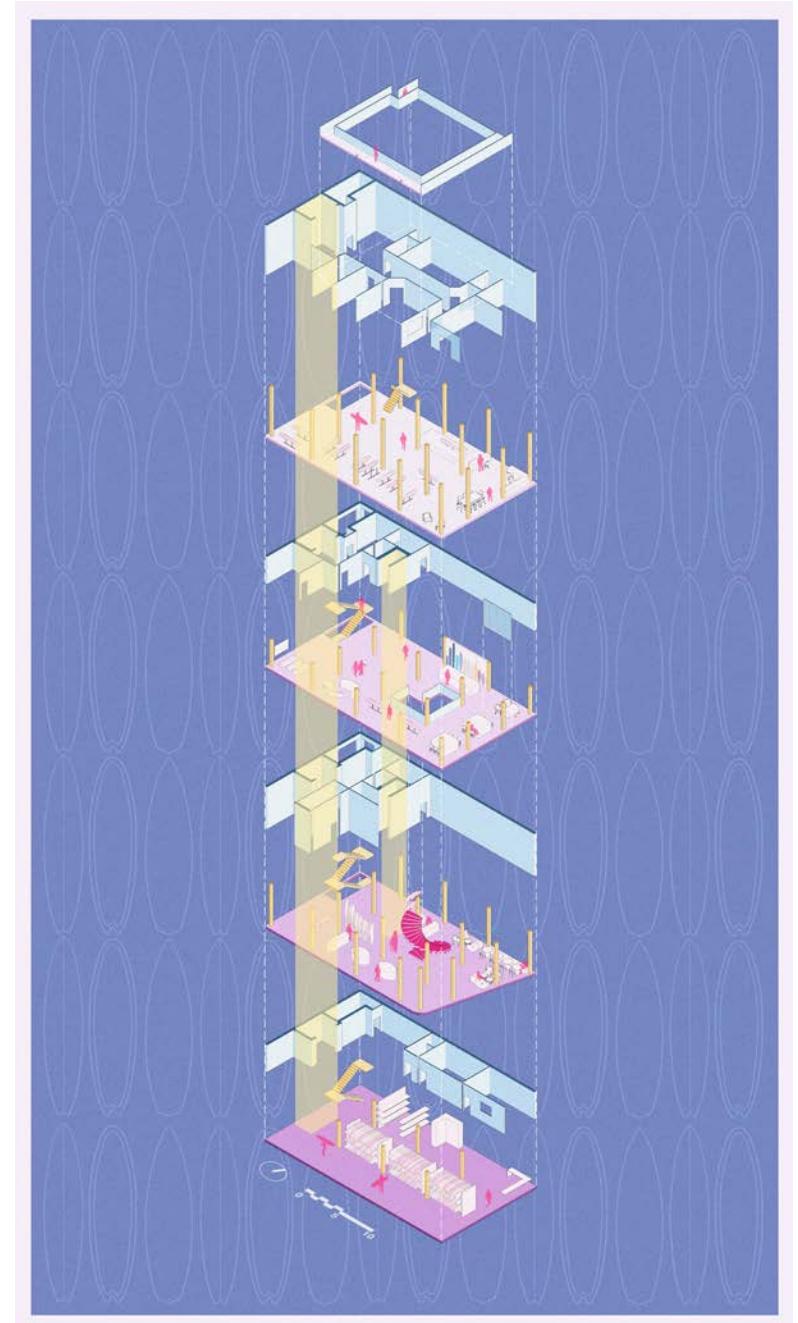
MAKER SPACE PROGRAMME | Katie Nancarrow - Programme Development

YEAR TWO

Image: Kerryn Peters - Photomontage programme

YEAR TWO

JOSÉ ÁNGEL HIDALGO ARELLANO & DRAGANA OPAČIĆ WILKINSON
BA2 Leads

Tutors
Ashley Hunt
Claudio Molina
Dan Newport
Ian McHugh
John Wood
Loris Rossi
Maryam Osman
Neil Allen
Rachel Harris
Rhiannon Hodgeon
Siobhán Barry
Stephen Connah
Yun Wu

Teaching Assistant
Laura Toth

Guest Lecturers
Christian Gänshirt
Scott Miller
Andrés Perales
Jaime Ramos
Jorge Ramos
Pablo Ramos
Ana Santolaria
Robert Toon

Synopsis
The second year of the Bachelor of Architecture aims to foster students' autonomy and it constitutes a crucial step in their critical thinking development. This has been a trying year for the staff and students alike but also a testament to our collective resilience and commitment. All three assessment units in BA2 were delivered entirely remotely due to the Covid pandemic. We introduced a new structure that enabled maximum two units running in parallel at any time. However, students benefitted from a continuous series of Studio lectures designed to inspire, inform and broaden the architectural experience. These were supported by Humanities and Technologies series and the new Studio Skills workshops.

The Studio projects were based on research by design, encouraging students to deliver Position, Proposition and Proposal and consider a matter of concern and the kind of architect they wish to become. Studio briefs have been designed to nurture students' curiosity, stimulating a synthesis between Humanities, Technologies and Design, while raising awareness on current architectural and urban debates.

**2.1 Food Hall & Street Market.**
The 2.1 brief cantered around environmental / sustainable issues: food consumption, education and the market place. With a large international student body, students were able to choose from four Manchester sites or a local one in their own country, where many of them were based during the year. With a climate emergency as the top priority the projects also celebrate the local food and cultural diversity. Students were asked to design School of Cooking, a Food Hall, and a Market. The outcomes show not just a creative reflection on new ways of consumption and urban regeneration, but a broad range of cultural approaches to the topic.

2.2 Urban Acupuncture. Reinventing Housing in Manchester city centre.
With focus shifting to societal sustainability, 2.2 brief asked the students to consider infill urban sites, providing residential accommodation and corresponding ancillary spaces. Students were able to choose between three sites and three programmes: "Housing for Young Families with Children + Kindergarten", "Housing to be shared by Young and Old People + Day Centre", and "Social Housing + Community Centre and Shelter for Homeless". Students were working in three different locations in Manchester, reflecting on the architectural capacity to revitalize a neighbourhood.


Zeyuan Ren - Exploded Axonometry
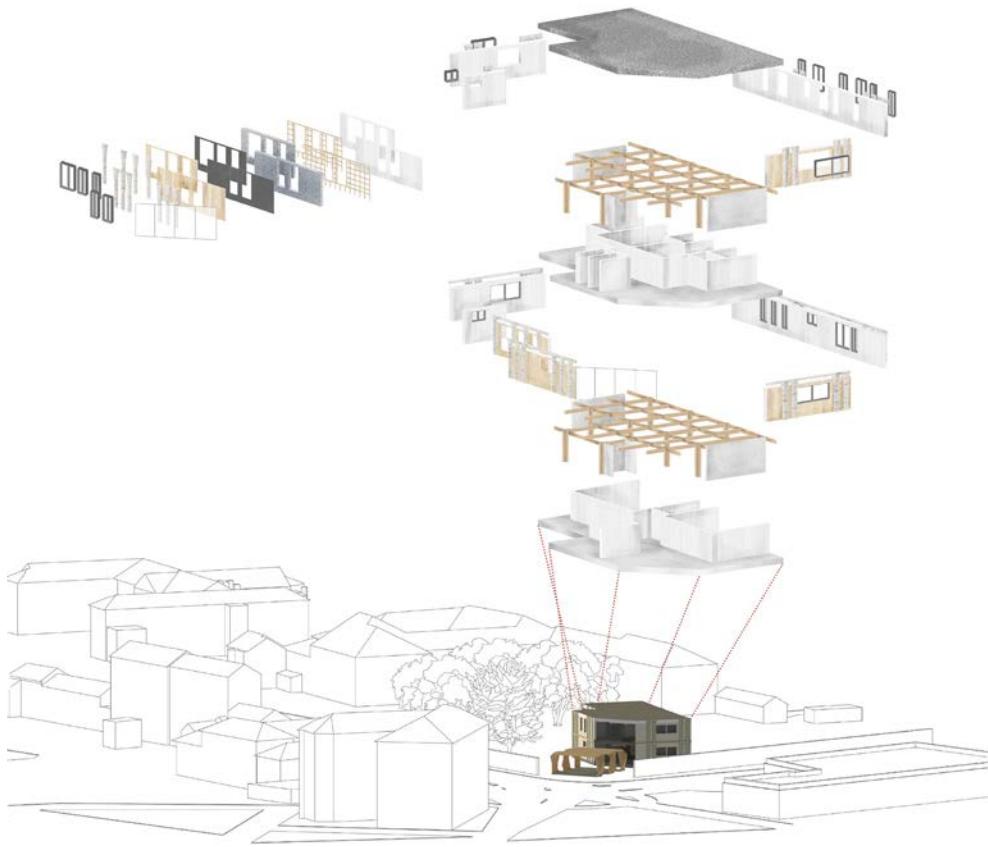
Benedetta Rizzo - Exploded Axonometric
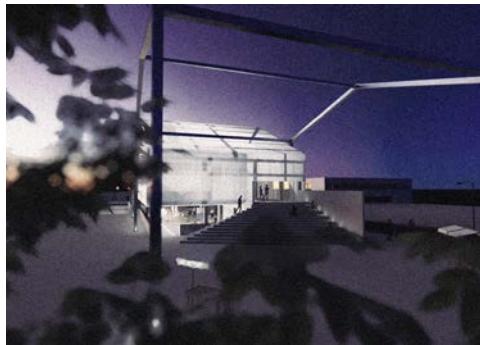
Lai Ying Li - Photo Persepctives

Bradley Lewis Foster - Position Collage

Fraser Matthews - Propositional Collage
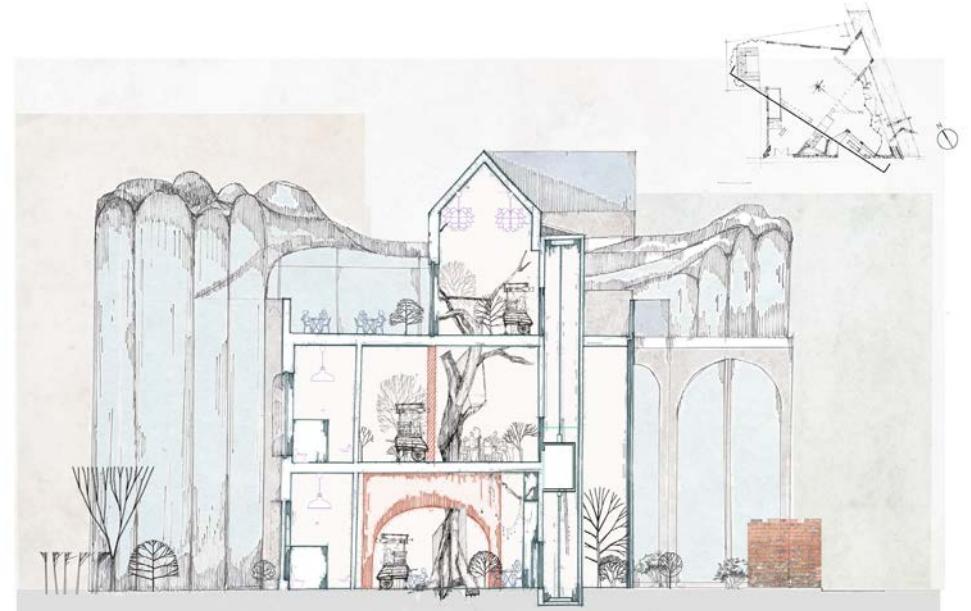
Thomas Massey - Section

Elena Ilarionova Grozeva - Elevation

Fraser Matthews - Sectional Perspective

Bradley Lewis Foster - Axonometric Section



Zahra-Ibrhaim Alsharfa - Position
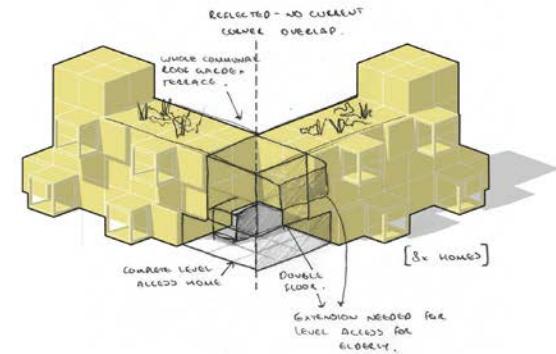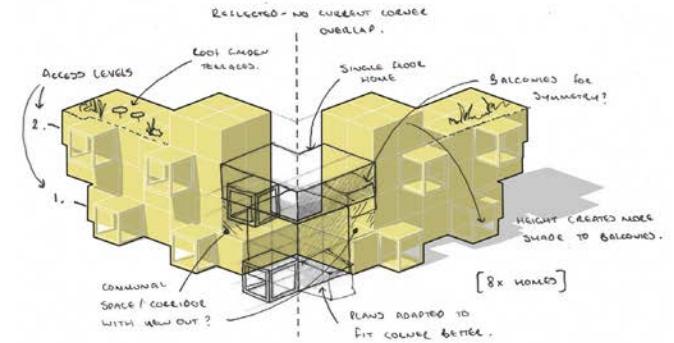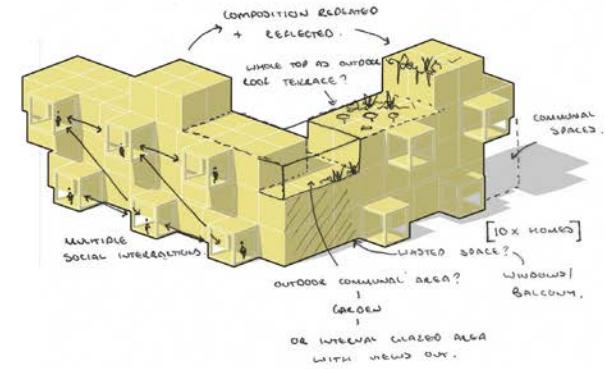

Bradley Lewis Foster - Process

Namon Thongsuwan - Section
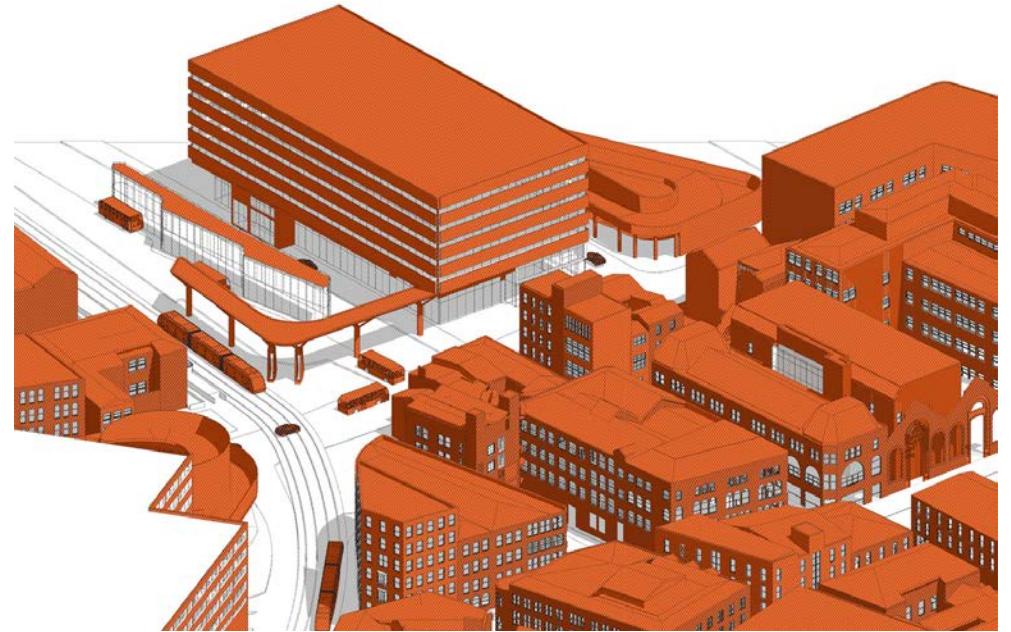
Fraser Matthews - site model

Hubert Sokolowski - Proposition model
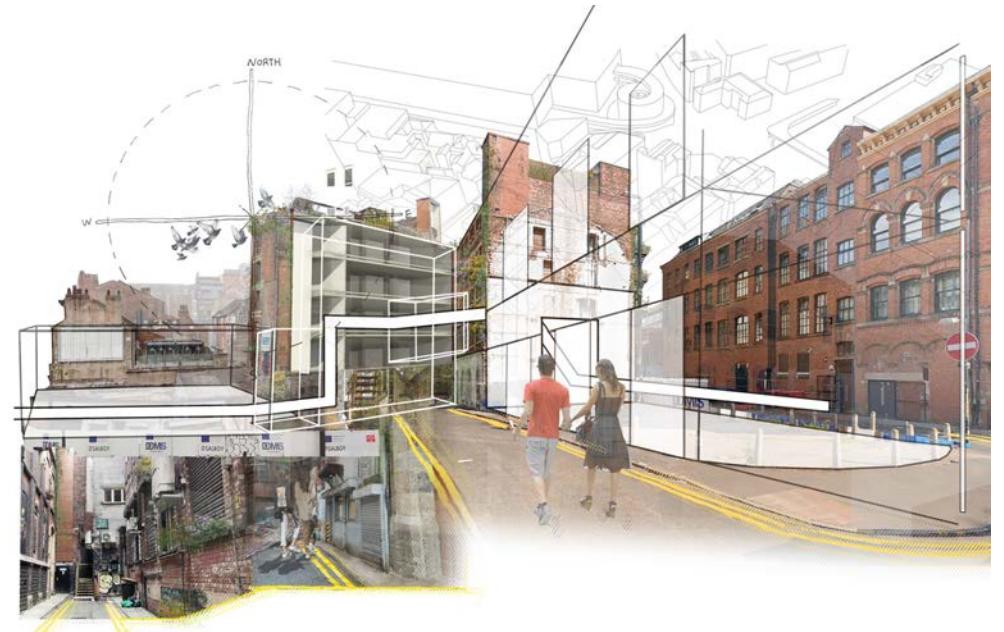
Fraser Matthews - Propositional collage

YEAR THREE

Image: Brandon Wai Hin Chan – Amazon Interchange

YEAR THREE

RICHARD MORTON & SARAH RENSHAW
BA3 Leads

Atelier teaching staff

&rchitecture - Kasia Nawratek & Victoria Jolley
AP - Matt Ault & Patrick Drewello
CIA – Laura Sanderson & Michael Daniels
[CPU]ai - Rob Hyde, Sigita Zigure & Yun Wu/ Dan Newport
FLUX Daniel Dubowitz, Carrie Lawrence & Loris Rossi
INFRA Richard Morton & Nicholas Nilsen
PRAXXIS Emily Crompton & Kate Stott

Synopsis

This academic year has undoubtedly been unusual and so first of all we would like to give our thanks for the hard work and dedication of students and staff alike. The professionalism of the student body in continuing to drive forward and produce such a high standard of work speaks volumes of the third-year students at MSA.

The BA3 students have once again this year been able to diversify and begin specialising through selecting one of nine Humanities Electives and seven Studio Ateliers, the latter of which have also flavoured the great work students have undertaken as part of their Technologies unit. Throughout the year students have been actively encouraged to take a position which has been informed by both the Studio Atelier and Humanities Electives. These have helped students to respond to wider societal and climate change agendas in their design projects. The students are also exposed to different approaches through year wide events, such as the Atelier Question Time where students can pose questions to Atelier leads, challenging methods, approaches and matters of concern. Students also engage in Cross Atelier Reviews, where they have the opportunity to discuss the work of students in other Ateliers and receive feedback from studio staff from across the year. Students have also been actively supported by a fantastic team of tutors from architecture practice and consultants such as engineers, design managers and technical consultants, all of whom bring a wealth of experience, expertise and knowledge.

BA3 also has a focus towards employability and practice, which sits as part of the Professional Studies Lecture Series. The series asks students to think about the kind of architect or practitioner they may want to be and in what areas of the industry they may want to work. This series of outward facing dialogues, asks students to reflect on what concerns them as citizens and consider the role the architecture profession has in building a more diverse, conscientious, and equitable society. This lecture series is also supported by a series of employability events such as the Employers Question Time, CV writing events, social media events and the careers readiness week, through which students can network with architects and potential employers.

The end of year show is just a snapshot of the diverse and complex projects that the BA3 students have carried out throughout the year. We wish them all the very best with their future endeavours.

Special thanks to our Professional Studies and Studio lecture series speakers

Kevin Singh (MSA)
Matt Cartwright (Twelve Architects)
Luke Butcher (BBA)
Jamie Ashmore & Emma Hayward (HTA)
Rob Chiltern (Barratt Homes)
Rory Hyde (University of Melbourne)
Jon Orlek (Studio Polpo)
Jee Liu (Wallaceliu)
Elsie Owusu (Elsie Owusu Architects)
Rob Toon (This is Change)
Andy McHale (ISG)
Ian Pegram (AutoMutatio)
Vinesh Pomel (TateHindle)
Chris Jaume (Cooper King Distillery)
Emily Carr (Kier Construction)
Gina Kirby (GK Gallery and Tea Room)
Victoria Adegoke (TADW Architects)
Rachel Carter-Jones and Jessica Spencer (Urbanistas),
Stephen Drew (Architecture Social)

Image: Simona Drabuzinskaite - 'Becoming with'

&RCHITECTURE

KASIA NAWRATEK & VICKY JOLLEY
Atelier Leads

Atelier Staff
Kasia Nawratek
Vicky Jolley
Curtis Martyn
Sam Holden

Collaborators
Dr Faith Ng'eno
Tim Johns (TEP)
Martin King (Urban Green)
Phillip Hall-Patch (Heatherwick Studio)

Students
Nur Serena Hanum Binti Ahmad Faizal
Maria Brzek
Roseanna Gabrielle Craggs
Lidia Danil
Simona Drabuzinskaite
Katerina Miranda Dubov
Michelle Fernandez
Carolina Gross
Pauline Iweins D'eeckhoutte
Jamie Jia Min Loh
Megan Maciver
Joseph Makhoul
Robert Anthony Mccarthy
Drilon Mehmeti
Matthew James Norris
Matt O'rourke
Jack O'toole
Ahmad Noor Hadri Bin R Azmi
Michal Romaniuk
Victoria Gwyneth Sisk Reynes
Thady John Smyth
David Sokoya
Zhenhui Yang

Synopsis
In &rchitecture, we use design-led research to investigate the potential for architects to affect positive change through inclusive and engaged practices. This year, we questioned how we can reimagine former sites of production in the city for sustainable future, considering ideas such as the Anthropocene, Capitalocene, degrowth and posthumanism. Our site was Manchester Abattoir, designed by Sydney George Besant-Roberts and opened in 1968. It was a council-built complex aiming to bring together the city's network of abattoirs into one 'comprehensive' site for the storing and slaughtering of livestock and the storing and sale of meat.

The central idea for & design studio is Mikhail Bakhtin's polyphony, which we use to read the site as multi-voiced narratives in constant dialogue and never existing in isolation. This allows us to value contrasting viewpoints and, in doing so, explore the potential for architects to address issues of social, spatial and ecological justice. Before we consider this, we examine ourselves as citizens and humans first, and only then our identities as 'Architects'. Our work this year also questioned the hegemony of human position in the design process and we included non-humans in our investigations.
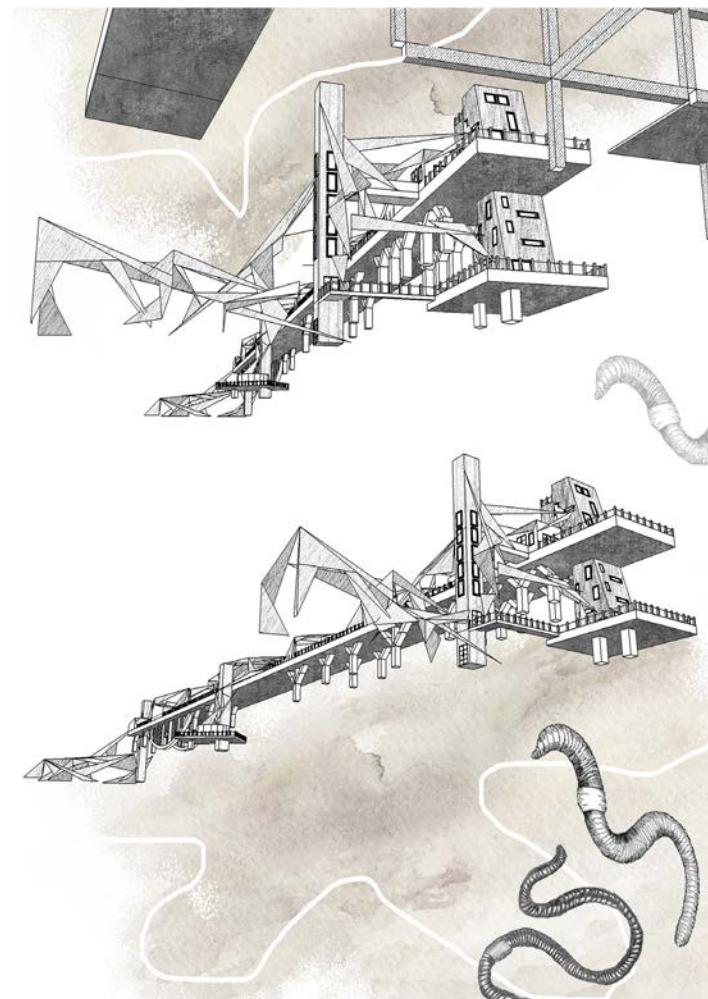
Matt Norris - The Wilded Sentry: A Non-human Led Re-wilding Observatory
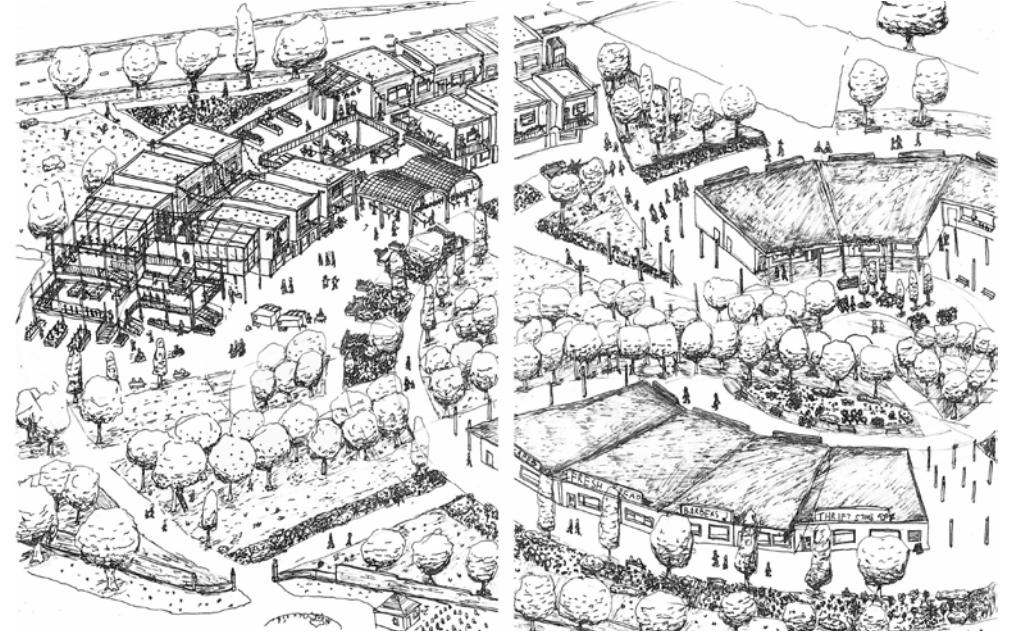
Matt O'Rourke - In the Shadow of the City: A story of Neglect, 'Friche' and Future Urban Centres.

Rob McCarthy - East Manchester Community Centre: Reconnecting Biodiversity and the Working Class

Matt Norris - The Wilded Sentry: A Non-human Led Re-wilding Observatory

Michal Romaniuk - De-alienating Through Architecture: New Cultural Centre for East Manchester

Simona Drabuzinskaite - Posthumus: Sustainable Funeral Home and Cemetery for Embracing Decay
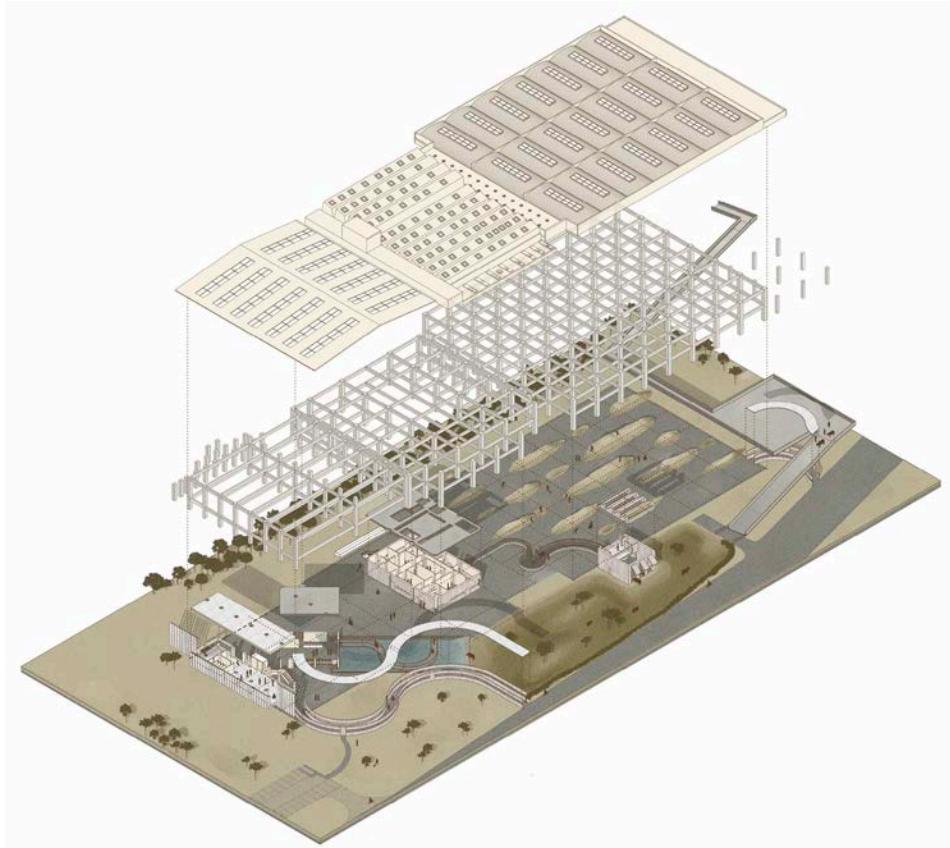
Victoria Sisk - Building the sense of community: Reanimating lost fragments of the Manchester Abattoir

Serena Faizal - The Transparent Abattoir: A New Model for Meat Production

Michelle Fernandez - Enchanted Forest Community Centre: Reconnecting Communities with Nature and Each Other

Lidia Danil - Odesza Dance School

Carolina Gross - The new health awareness community
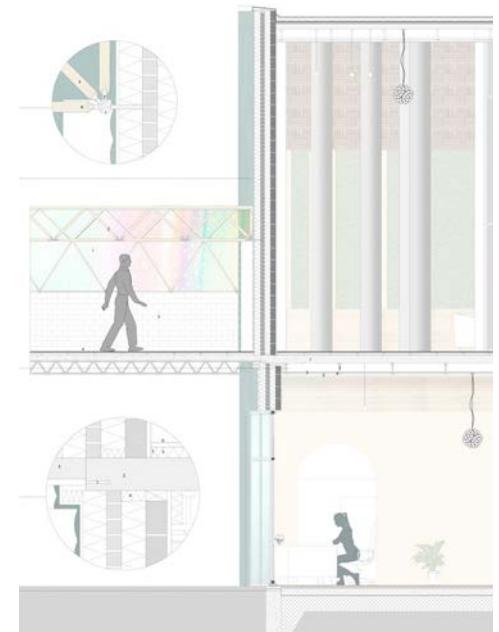
Katerina Dubov - Alive University

Roseanna Craggs - Outdoor Learning: The Wellbeing Curriculum

Thady Smyth - Site plan

ADVANCED PRACTICE

ADVANCED PRACTICE

MATT AULT
Atelier Lead

Atelier Staff
Matt Ault
Patrick Drewello

Students
Ada Ardeleanu
Diana Maria Atudorei
Christian Oskar George Brook Barnes
Bianca Mihaela Budis
Shijie Cai
Dewan Muhammad Chowdhury
Irina Coraga
Anastasiia Dynko
Sam Hewitt
Shu Yi Amanda Lim
Sonali Mathur
Ana-Maria Mitrica
Radu Neagoe
Ana-Sabina Nistor
Wajahat Noble
Zeyna Omar
Diana-Marina Paune
Ivan Petrov Petrov
Ruxandra Rotar
Maria Konstantina Roumpou
Amrit Saini
Lukas Somodi
Sabina-Andreea Tudor

Contributors
Dave Green (Simpson Haugh)
Florence Collier (Humble Bee)
Jeremy Kim (Foster + Partners)
Kevin Flanagan (PLP Architects)
Marios Tsiliakos (Foster + Partners)
Tim Gibbons (Fieldwork Architects)

Synopsis
The atelier is conceived as a think tank and test bed - a platform for research and experimentation in architectural design and is concerned with holistic understandings of design and sustainability.

Within the evolving context of advanced architectural practice our interest lies in the interaction between technology and people, in the design and delivery of environments that support the needs and activities of contemporary and future society, in a creative, positive and equitable way.

All projects explore contemporary and novel design methods and material performances in tectonic and spatial propositions. Testing of these occurs in application to a specific programmatic brief and this year's themes were 'high-rise' and interpretations of the notion of 'performative morphologies'.

In BA3, Projects began with experimentation in digital modelling techniques to uncover opportunities for pavilion and installation scale architectural designs. These ideas were then developed further, applying design techniques and understandings of material and environmental performance to the high-rise typology exploring possibilities for the post-pandemic, city-centre workplace.
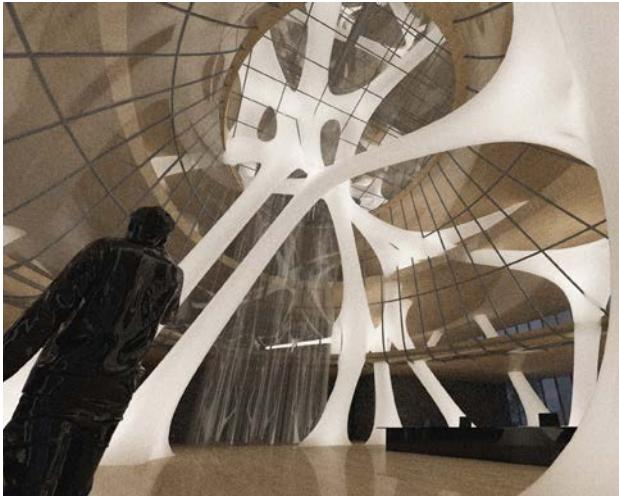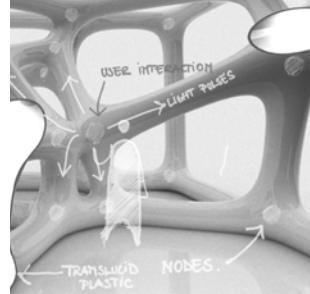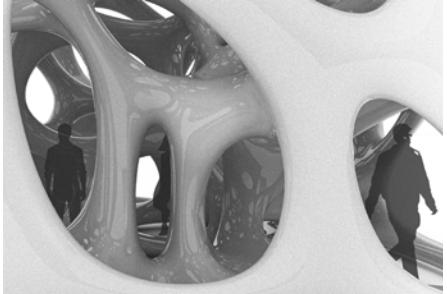
Muhammad Chowdhury & Irina Coraga - Spatial Experimentation
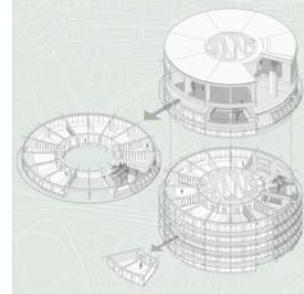
Christian Oskar George Brook Barnes - Tall Timber - Post-Covid Workplace And Education Centre

Lukas Somodi - Lightning Installation

Ivan Petrov - Pavilion Study - Component Aggregations
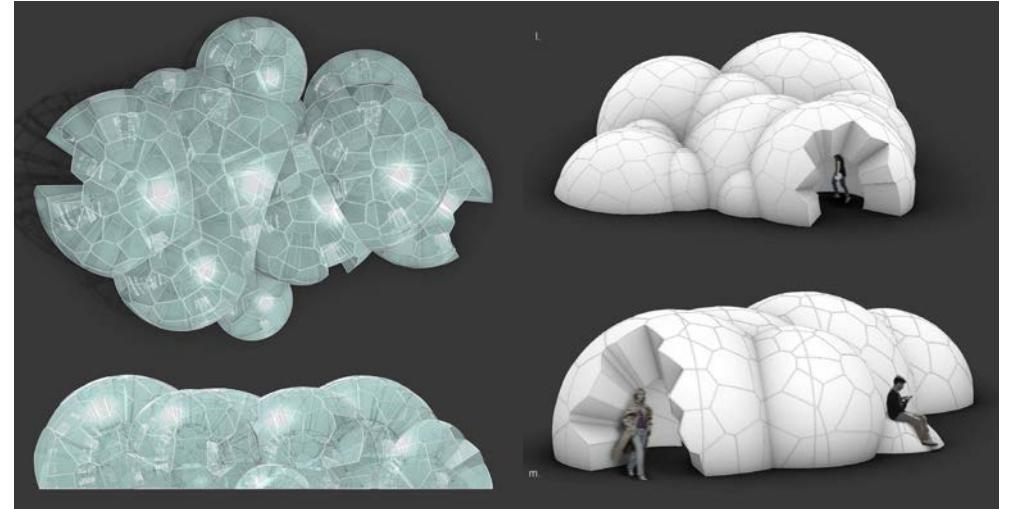
Diana-Marina Paune - Pavilion Study - Material Computation And Digital Form-Finding
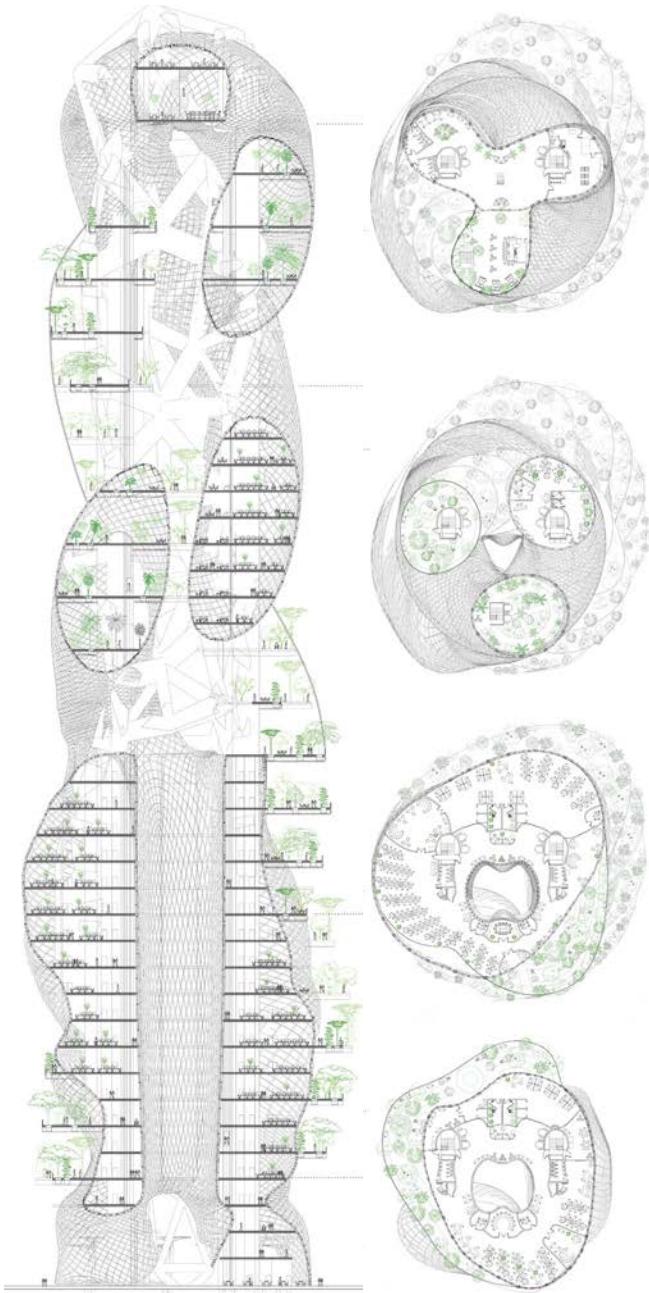
Bianca Budis - Voronoi Cellular Tower

Anastasiia Dynko - Bio-Science Research Centre

Radu Neagoe - Envelope Study, Sonali Mathur - Data Research, Communication + Observation Tower
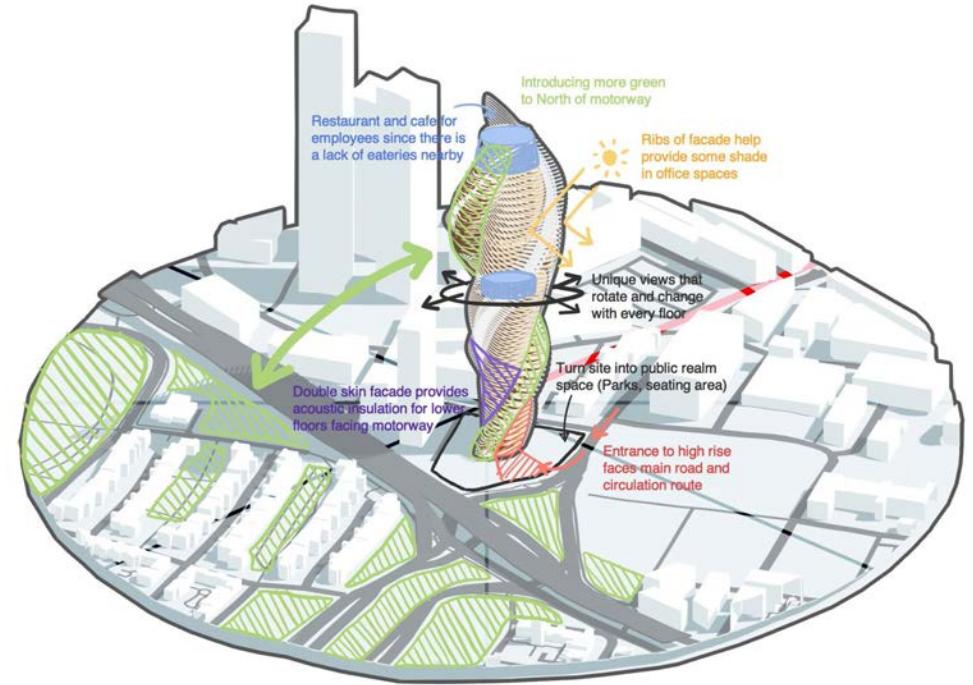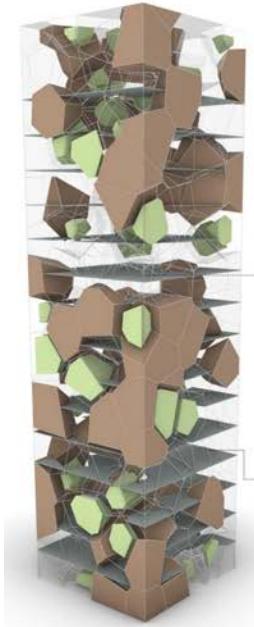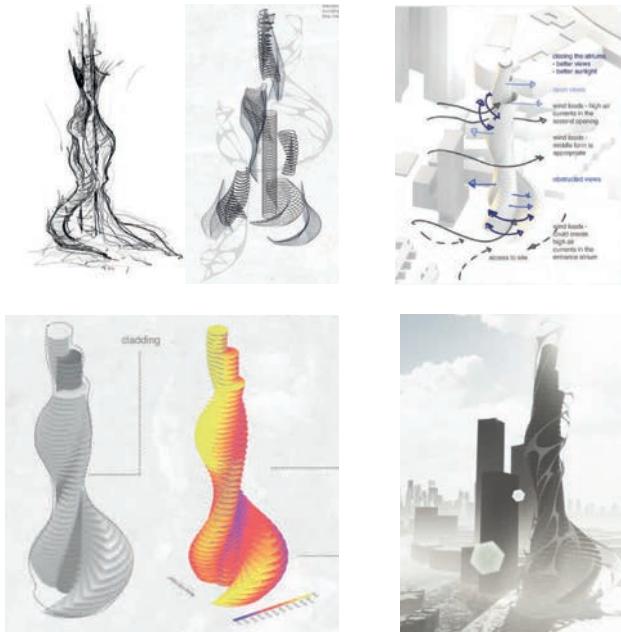
Ana-Maria Mitrica & Bianca Budis - Massing And Development Studies
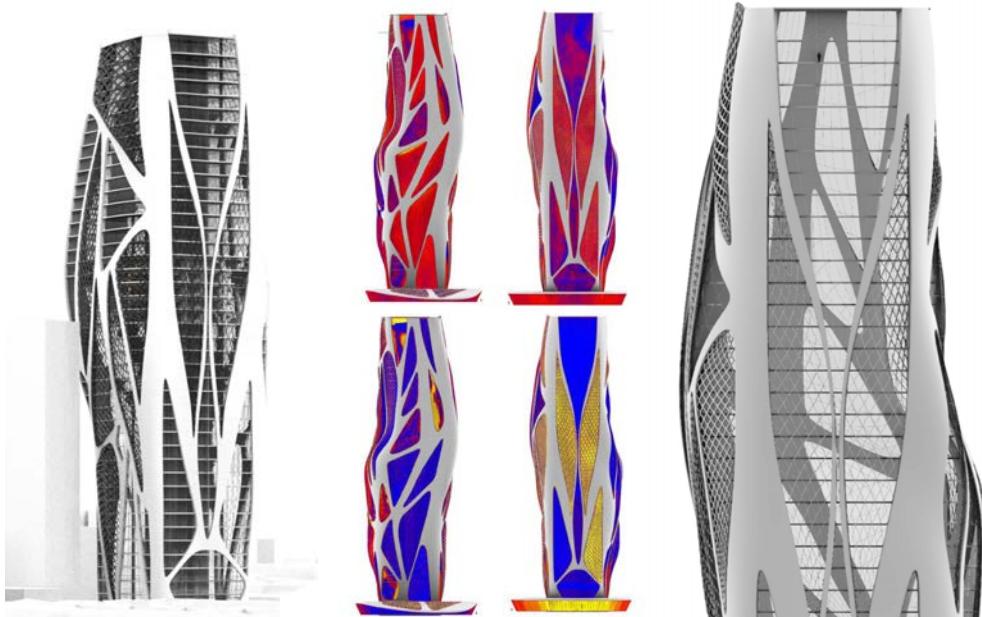
Muhammad Chowdhury - Tectonic Studies

Amanda Lim - Biophilic High-Rise
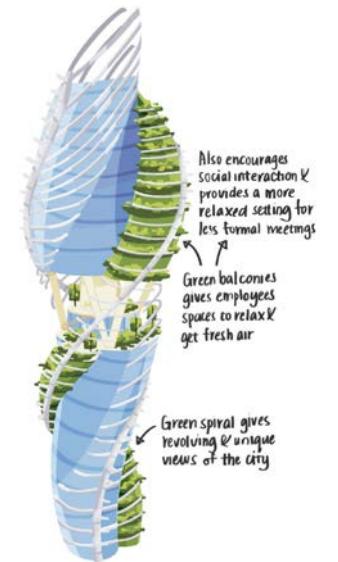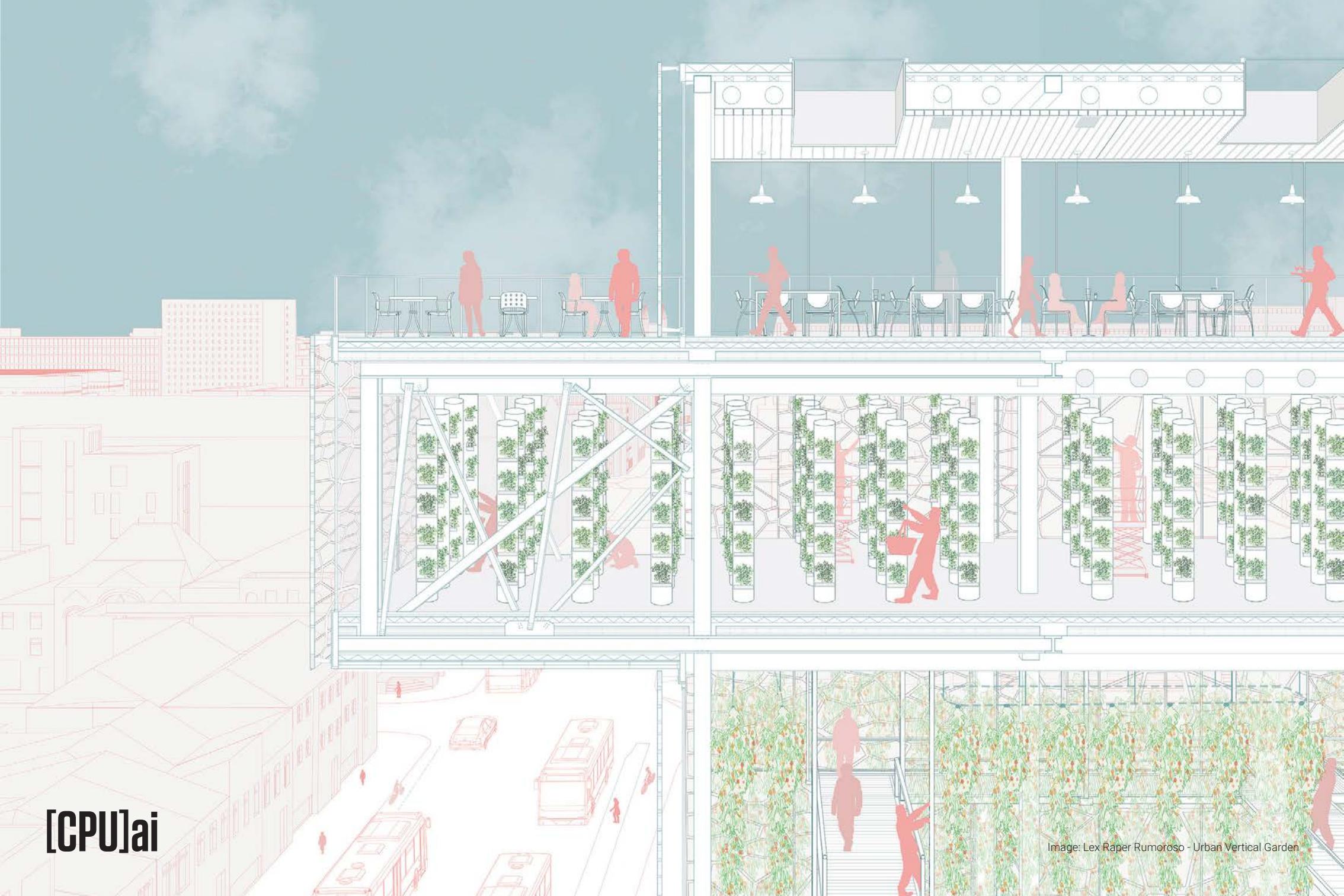
[CPU]ai

Image: Lex Raper Rumoroso - Urban Vertical Garden

[CPU]ai

ROB HYDE & ULYSSES SENGUPTA
Atelier Leads

Atelier Staff
Rob Hyde
Sigita Zigure
Yun Wu/ Dan Newport

Collaborators
Carolyn Steele (Sitopia/ Hungry City)
Clare Courtney (Heart & Parcel)
Haleh Moravej (MMU MetMUnch)
Matt Hill (MMU Estates)
Ian Seddon (MMU Estates)
Kevin Rowan (MMU Estates)
Pete Fallon (MMU Estates)
Ben Collier (MMU Catering)
Rachel Beckett [MMU Library]
John Miles (Assent Building Control)
Jane Simpson (Jane Simpson Access)
Thomas Kirby (Purcell)
Archontia Manolakelli (Atkins)
Alex Williams (OFR Fire + Risk)
Helen Gribbon (Renaissance)
Deborah Farrugia + Luke Evans (Max Fordham)
Dan Newport (relform)
Jack Seymour

Students
Adwiteya Kasliwal
Albi Istrefi
Alexandra Maria Raper Rumoroso
Anastasia Piskareva
Aye Eindra Lin
Cameron Mayo
Cheuk Yin Tam
Hanis Nabihah Binti Ridzuan
Hengrui Liu
Henry Williams-Doherty
Hrithik Aggarwal
Ke Ling Neoh, Lois Sykes
Millie Qian Yao Chieng
Min Jing Toh, Nahyun Kim
Natalia Fijalkowska
Natasha Augustina Ganotaki
Rosemary Clowes
Thanh Long Nguyen
Xii Don Lim, Yue Tam
Zahra Riyadh Abdul Fattah

Synopsis
Operating as an Atelier for many years at Masters level, this is the first year of [CPU]ai having presence in 3rd Year. Students were introduced to the Atelier ethos through exposure to theoretical approaches and computational tools via initiatives such as [CPU]breakfast where staff, students and Alumni presented key readings, projects and case studies of their own undertaking to facilitate diverse knowledge exchange, and collaboration as a vertical atelier.

This year's theme was 'Resilient Urban Futures' with all projects based on the University Campus, with its relationship to wider urban systems and its possible short, medium and long-term futures. All projects also relate to food programmatically - be it fast (technology-enabled + optimised) or slow (grown on site, local, seasonal) - and spatially (growing, selling, sharing, collaborating, researching). Domain knowledge within these areas was developed through research and structured engagement with international academics through to local charities which enabled an understanding of systems and flows within the supply chains in areas such as ethics, climate crisis, traditional vs novel technologies, economics, and beyond. This was then used to understand projects at an urban and building scale with regards to materials, construction, environmental and structural strategies.

Students were also encouraged to see creatively through the opportunity and limitations of materiality and constraints of the regulatory contexts in which we operate. A key component of this was engagement with real world stakeholders including clients, users and specialist consultants in areas such as Asbestos, Access, Equality + Diversity, Fire, Building Regulations, Structures, M+E, Sustainability et al.

Socials
Twitter:
@CPU_Ai_atelier
@complexurbanism
Website:
www.complexurban.com

Cambow Yue Tam – Tasty Minds

Henry Hengrui Liu - Asian Dumpling Street Market

Xii Don Lim - Plan B – the Harvest

Cameron Mayo - Manchester Industrial Revolution 2020

Lois Sykes - Urban Farm Project

DX SYSTEM CONDENSOR:
using condensed refrigerant liquid to ventilate spaces below 0°C

GENERATOR:
provide electricity for laboratories with specific equipments during power outages

SKYLIGHT

AIR SOURCE HEAT PUMP

AIR HANDLING UNIT 1:
cool and distribute air through ducts to fan coil unit of each laboratories. Laboratories with controlled environment requires temperature variation

LOWER CEILING HEIGHT FOR LOCAL DEHUMIDIFIER:
for laboratories with humidity control

BLACK TINT SWITCHABLE SMART GLASS:
for laboratories with lighting control system that paired with daylight when appropriate

RAINWATER STORAGE TANK:
for non potable use

ULTRA PURE WATER STORAGE TANK:
using ultrasonic level sensor to remove containments for lab based activities

MOVABLE METAL MESH SHUTTERS

CHEMICAL AND GAS STORAGE:
Isolate flammable, reactive and toxic materials. The store is ventilated with local exhaust

V — Ventilation, heating and cooling
E — Electricity
L — Natural daylight
W — Water management
M — Materiality
O — Other

AIR HANDLING UNIT 2:
cool and distribute air through ducts to fan coil unit of the central circulation zone, offices and public spaces.

AIR COOLED CHILLER

TRANSPARENT SOLAR THERMAL PANEL:
use to heat up water. Part of the solar water heating system

INTENSIVE GREEN ROOF:
cooler roof temperature improve efficiency of mechanical equipements and reduce cooling load, therefore, reduce greenhouse gas emission

EXTENSIVE GREEN ROOF AND TIMBER DECKING:
act as rainwater catchment, reduce stormwater runoff

WALKABLE SKYLIGHT:
to allow more sunlight into the greenhouse, finished with frosted glass

HOT WATER STORAGE TANK

HEAT EXCHANGER:
utilise sun energy and convert it to heat. Heat up the water in the tank

DOUBLE GLAZED WINDOW WALL:
act as a barrier against noise and heat loss, while maximising natural daylight

WHITE PLASTER WALL FINISH FOR NON LAB SPACES:
reflect natural daylight into the central zone

ENVIRONMENTAL STRATEGY

The potato genebank is fully mechanical ventilated to meet specific laboratories requiments and to control air quality entering the building. An air airlock space, which is also a changing room is provided between the circulation zone and all labs with controlled environment.

Window wall, translucent metal mesh shutters and skylight, enhanced building trasparency, therefore, natural daylight is maximised. The pop in-pop out effect allows the building to be self shaded in summer, while allowing maximised natural daylight penetration in winter.

AUTOMATED IRRIGATION SYSTEM

**CONCRETE FLOOR FINISH:**
provide thermal mass and reflect natural daylight to brighten up the interior

NATURAL VENTILATED ESCAPE STAIRCORE:
exterior wall is replaced by metal mesh wall allowing the core to be naturally ventilated

David Thanh Long Hguyen - Bananology

Natasha Ganotaki - Sleepless in Silo-City

Rosie Clowes - MMU Edumarket

ENVIRONMENTAL SECTIONAL PERSPECTIVE

SOLAR PANELS
Tilted at 25° facing south to maximise solar energy and sufficient to generate electricity for coffee machines and lightings.

VERTICAL LOUVERS
Provide shading to the fully glazed facade on the South and extra U-value to building skin whilst controlling views.

SLIDING WINDOW
Allow passive ventilation and user control/ increasing free area of air flow.

MICRO SPRINKLERS
Energy and water saving with digital monitoring and targeting plant roots.

UNDERFLOOR HEATING
Provide additional radiant heating and cooling at the atrium spaces where ceiling area are lesser for chilled beams.

FLUE PIPES
Allow exhaust of gases by roastery machine, drying and mixing machineries.

THERMAL WHEELS
Exhaust air via stack ventilation whilst retaining heat indoor.

SKYLIGHT
Provide additional daylight through the atrium.

More air are supplied on the ground floor to drive air upwards creating stack ventilation.

AHU SUPPLY AND RETURN UNIT
Supply primary air at conditioned temperature and exhaust stale air.

CHILLER
Supply chilled water to the chilled beams and air handling unit for primary air supply and induction air.

INTENSIVE GREEN ROOF
Maximising rainwater harvesting, acting as natural insulation and allowing maintenance on the roof.

CHILLED BEAMS UNIT
Mechanical ventilation which allows heating and cooling of spaces/ more energy and space conserving than normal HVAC system.

CONCRETE THERMAL MASS
Concrete retains passive heat gain and underfloor heating heat / allow thermal comfort with thermal lag.

ACOUSTIC PANELS
Placed in the waste processing rooms to reduce noise of the machineries, conveyor belts and Mancunian way for comfortable working environment.

ACOUSTIC LOUVERED PANELS
Allow air into the atrium which acts a buffer to exhaust air out, warmed or cooled air can also be reused.

BIPARTITE WINDOW
Allow passive ventilation and user control / more effective ventilation with fresh air from lower casement and warmer air expeled through upper casement.

RADIATOR
Placed in enclosed rooms to allow quick change in temperature for thermal comfort and allow user control.

GROUND SOURCE HEAT PUMP
Provide heating and cooling with less energy and connected to underfloor heating, radiator and AHU unit.

RAINWATER HARVESTING TANK
Collecting rainwater from the roof and balcony with downpipes to be reused in the toilets and watering almond plants.

——— Active strategy
——— Passive strategy

Millie Chieng - Saving The Grounds Coffee House

CONTINUITY IN ARCHITECTURE

Image: William Smith - An Integrated Urban Topography, Bradford

CONTINUITY IN ARCHITECTURE

LAURA SANDERSON
Atelier Lead

Atelier Staff
Laura Sanderson
Mike Daniels
Alberto Velazquez

Guest Tutors
Kate Darby (Kate Darby Architects)
David Craig (David Craig Design Consultancy)
Lukas Hornby (FUSE Art Space)
Martyn Johnston (The Bread and Roses)
Yousaf Hussain (Civic Engineers)
Lisa Mallaghan (Bradford Producing Hub)
Frances Northrop (New Economics Foundation)
Bernard Stricker (Watt Energy & Consulting Engineers)
Kieran Thompson (Bradford Civic Society)
Richard Middleton (Bradford Townscape Heritage Scheme)

Guest Lecturers
Sarah Casey (Lancaster University)
Gary Colleran (Turner)
John Lee (MSA)
Troy Hodgson (Darcstudio)
Ray Lucas (MSA)
Andrew Knight (Hargreaves Foundry)
Bie Plevoets (U Hasselt)
Dominic Roberts (Francis Roberts Architects)
Sally Stone (MSA)
Koenraad Van Cleempoel (U Hasselt)
Nikolaas Vande Keere (U Hasselt)
Jon Wilson (Darwen Terracotta)

Visting Alumni
Umayr Azam (Northedge Architecture)
Tom Cookson (Hall McKnight)
Helen Cross (Allies and Morrison)
Simina Ionescu (Calder Peel)
Adam Jones (Squire and Partners)
Louise McKeown (Squires & Brown)
Al Ogle (Waugh Thistleton)
Isabel Pagel (MVRDV)
Will Saville (Stanton Williams)
Eleanor Swire (Stephenson Studio)
Karissa Tysklind (OMI)
Damian Wooliscroft (Purcell)
Yiting Zhou (David Chipperfield Architects)

Commissioning Research Partners
Architectural Heritage Fund
Bradford Civic Society
Bradford Townscape Heritage Scheme
The National Lottery Heritage Fund

Students
Awo Abdi
Hafsa Suleiman Adamu
Yasmine Chamoun
Sing Leung Thomas Chan
Pranjali Ambrish Deshpande
James Done Evans
Benjamin Faure
Milo James Heywood
Margaret Alice Hows
Tasnim Khairina Binti Kadrishah
Kelly Kerfoot
Viktor Kretis
Tak Yung Jacqueline Lau
Jithamanyu Mitta
Andreea Moanta
Thomas Nicholson
Omar Elmamoun Noia-Rodriguez
Jana Senberga
Keta Elizabete Silina
William Smith
Isabelle Warren
Barbara Witczak
Damjan Zhupanoski

Synopsis
Continuity in Architecture are interested in the cultural heritage of the city, not only in the city as a collection of historical artefacts but also in the way people have and will use these buildings and spaces. The Atelier considers buildings not as solitary objects, but as integral and related pieces of the city that encourage a convivial coming together of people. We believe that it is important to understand the intangible and tangible aspects of historic fabric in order to engage with it in a meaningful and dynamic way. Bryony Roberts in her discussion of 'Tabula Plena', suggests that the examination and interpretation of site can be stretched to describe a board game or even the table after a dinner party – 'with the complex arrangements of plates, glasses and silverware positioned by a series of social negotiations' (2017).

This year the Atelier has continued to work on funded projects that examine the future of the Historic High Street. John Lloyd in his seminal article 'The Closing of the High Street Theatres' stated that these smaller shopping areas '… were - and still are - theatres of human interaction' (2020). In collaboration with Bradford Civic Society and the Bradford Townscape Heritage Scheme, the Atelier have worked in the 'Top of Town', where students have made theoretical contextual additions to the High Street for three 'live clients': Assembly, who provide co-working spaces, FUSE Art Space, a volunteer-led art gallery and Bradford Civic Society, an organisation who champion Bradford's heritage.

Projects from the Atelier will be exhibited in a 'High Street Takeover' exhibition in Bradford this summer.

Socials
Blog:
https://ciawip.msa.ac.uk/

Instagram:
@continuityinarc

Twitter:
@continuityinarc

Pranjali Deshpande - Reimagining Rawson Square, Bradford

Benjamin Faure - Journeying Amidst the Prairies, Bradford

Barbara Witczak - Past and Present Corner Model, Bradford

Kēta Elizabete Siliņa - Theatre Performance in the Green Atrium, Bradford
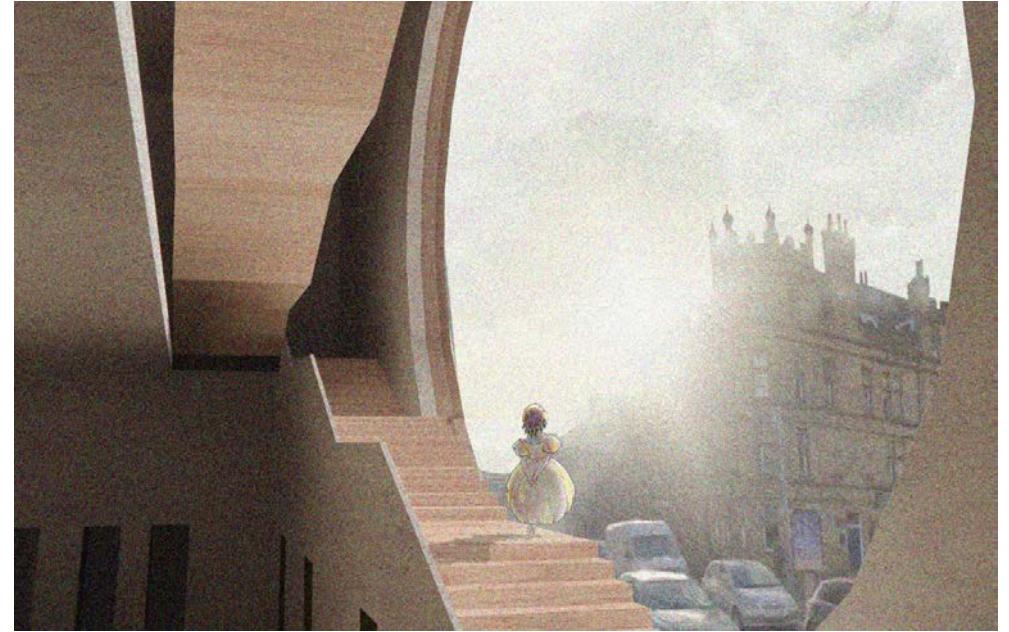
Tasnim Kadrishah - Through the Window, Bradford

Hafsa Adamu - Birdseye, Bradford

Jithamanyu Mitta - View from Rawson Place, Bradford
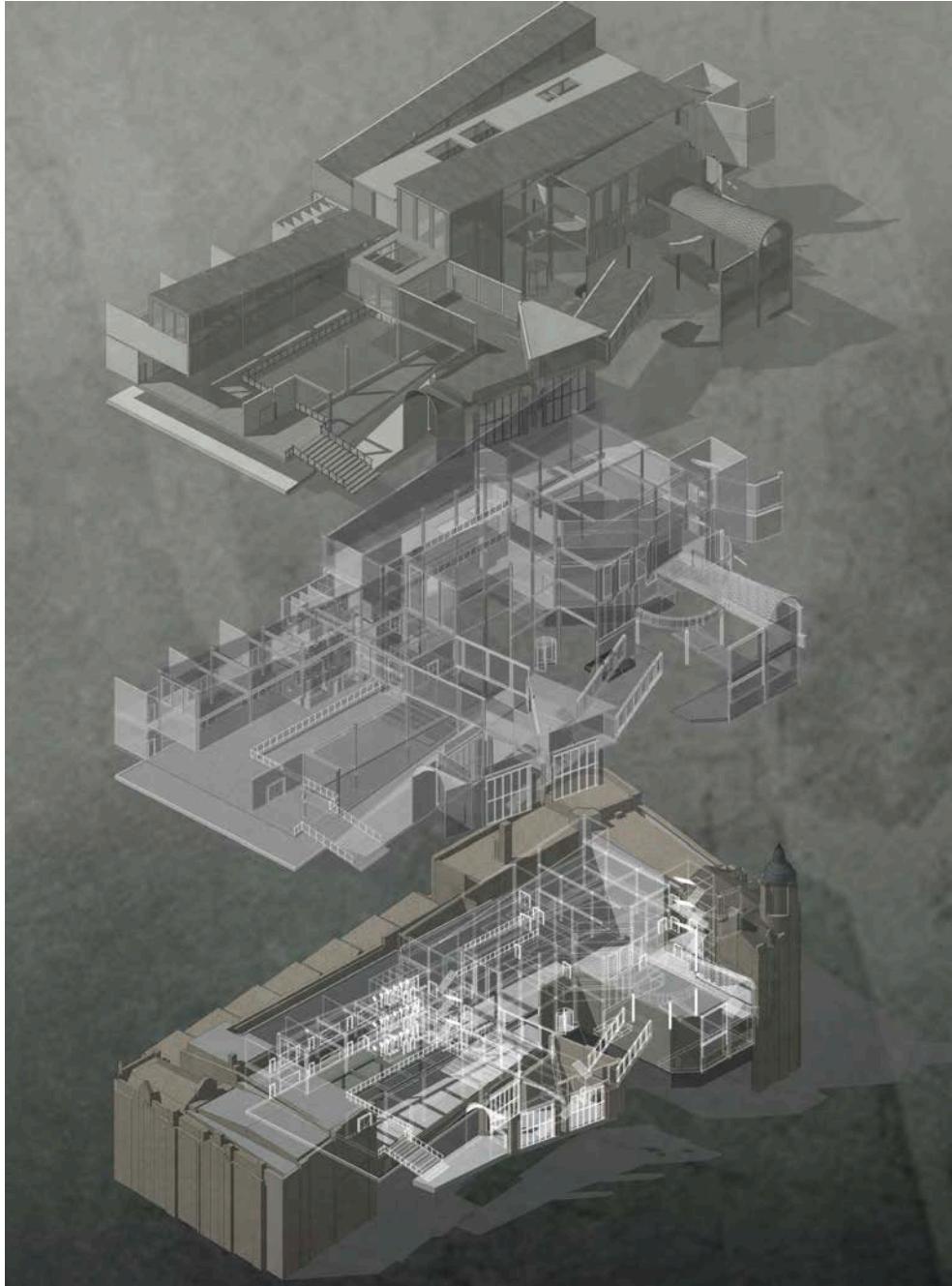
Margaret Hows - The Atrium as Artifact, Bradford

Milo Heywood - The Tower in Context, Bradford

Jacqueline Lau - 'A Broken Gem', Bradford

Andreea Moanta - New Perspectives of the Rawson Hotel, Bradford

Omar Noia-Rodriguez - Anticipation. And a Capture Memory. Above Oastler Square, Bradford
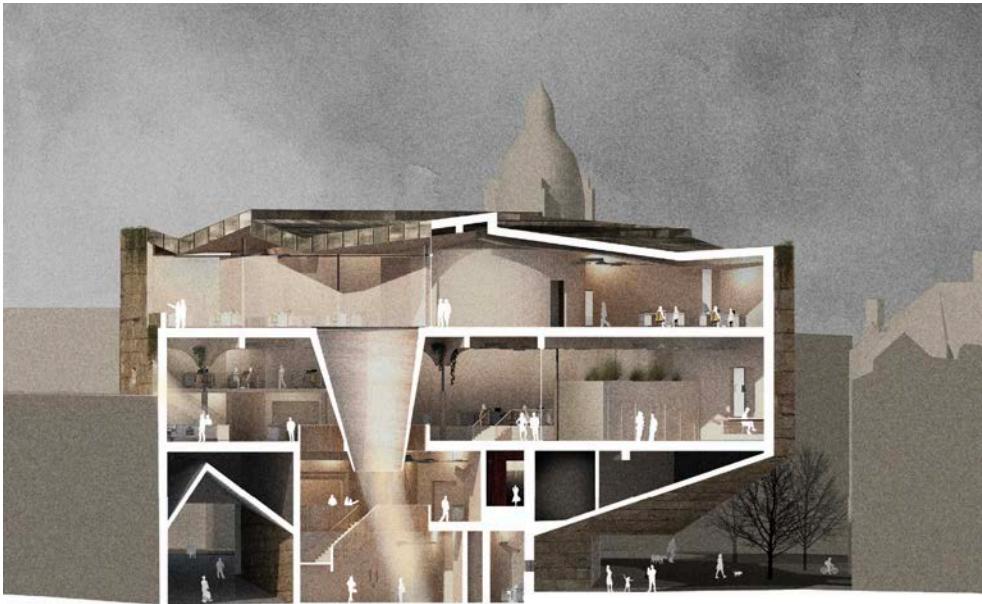
William Smith - An Integrated Urban Topography, Bradford

Jana Senberga - The Building in 'Serial Vision', Bradford

FLUX

Image: El Hadi Boudouch - The Rabbit Hole

FLUX

DAN DUBOWITZ
Atelier Lead

Atelier Staff
Carrie Lawrence
Loris Rossi
Riccardo Marini

Collaborators
Ray Lucas
Angela Connolly
Jose Hidalgo
Elisabeth de Bezenac
Mary Wardle
Lyn Fenton
Tony Skipper
Patrick Duerden
Antony Rowland

Students
Oseaghe Akhilomen
Rose Ayesha Binti Bahaman
Sophie Blainey
El Hadi Boudouch
Alice Burgher
Rowdah Charbak
Panashe Chibamu
Flynn Collins
Haresh Gardner
Izzy Gibson
Jake Grady
Natalia Gryskowska
Ben Hacquoil
Manon Ijaz
Kristupas Kadys
Reni Koycheva
Julia Batista Litig
Grace McGuire
Urvi Nandha
Tvesa Patel
Arian Reyhanian
Tessa Steunenberg
Julia Svendsen
Estee Vanhoonacker
Holly Wightman

RE-IMAGINING THE MANCUNIAN WAY
How can this epic 3km of monolith that divides Manchester in two be repurposed from a 1960's super highway exclusively for cars to become part of everyday life and reconnect the city?

COLLABORATIVE URBANISM: NEW METHODS FOR MAKING TOMORROW'S CITIES
'Object-building' and 'top-down' master planning have characterised the architecture and urbanism of the recent climate emergency era. The FLUX atelier centres on a series of speculative practices which offer practical alternatives to top-down design and a fresh approach to time (slow urbanism), space (urban acupuncture) and engaging people (peripatetic architecture and performance).
The FLUX Atelier sets out to equip emerging designers with new methods to meaningfully engage citizens in the transformation of their city.

A CITY WITHOUT CARS
As google earth satellites passed over Manchester this winter, they documented a Mancunian way without cars. What started the year as a hypothetical possibility in the brief became, as a result of a national lock-down the tangible reality of the site for a prolonged moment. Some students had the opportunity to walk up on to the motorway deck and experience the highway as a site for everyday life for a fleeting moment.

PUBLIC REALM
The Covid-19 global pandemic laid bare a number of inequalities in society, not least the disparity in access to and poverty of public realm globally and in the city of Manchester. Each of the manifestos, programmes and design projects were deeply socially and politically engaged, delving deeper into matters of care for a different public realm for society because of the context in which they were conceived. The work in the atelier is a testament to the agility resourcefulness and resilience of our students.

TEMPORALITY
In semester one the atelier focuses on the transformation of the city through temporal and peripatetic architectures. Each student was tasked with devising a series of temporary interventions (c. 2-10 years), urban acupuncture that could transform the Mancunian way as a whole.

Who is the city for?

What can a speculative design offer to establish a state of change?
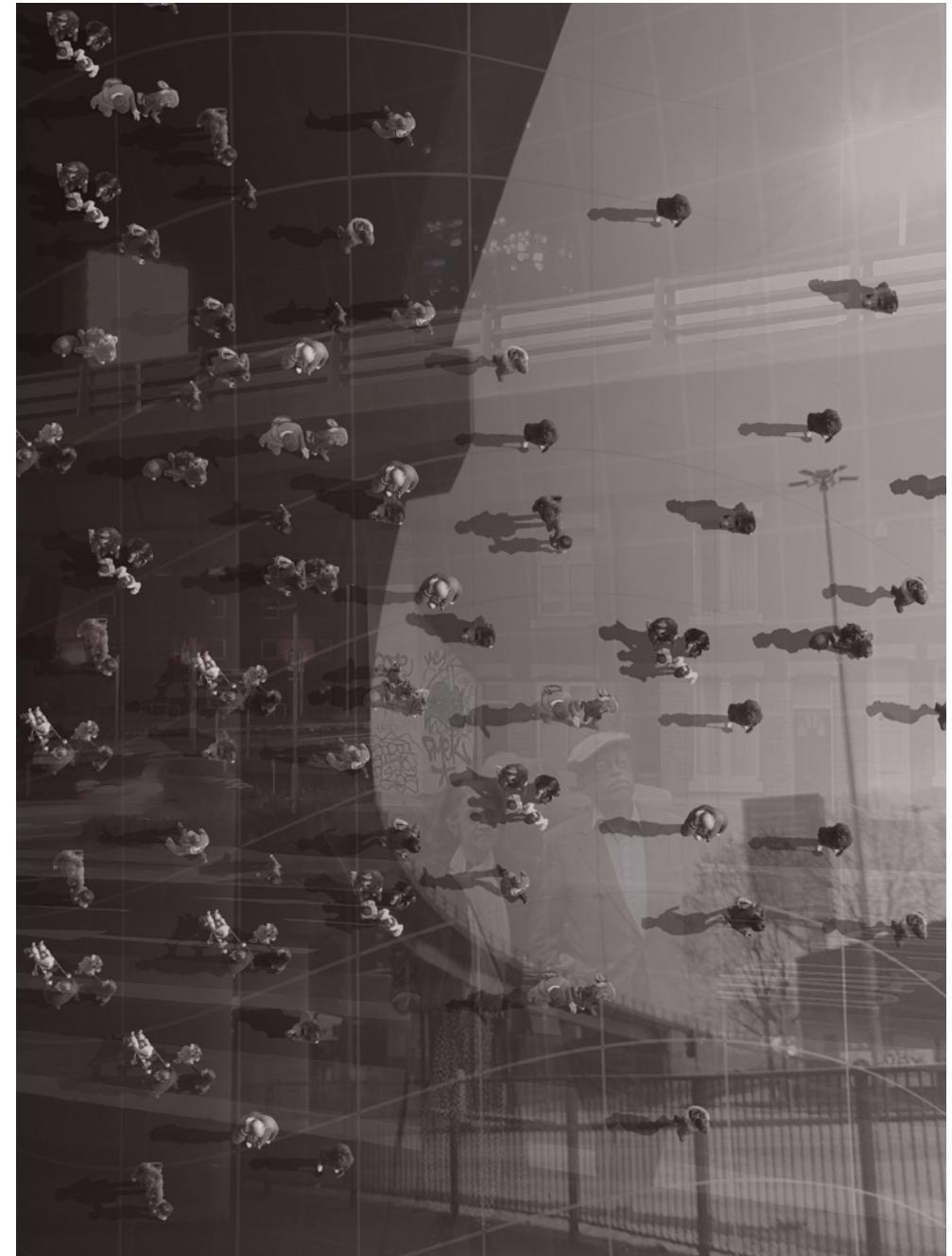

Estee Vanhoonacker & Kristupas Kadys - The Mancunian Way

Oseaghe Akhilomen - Realign
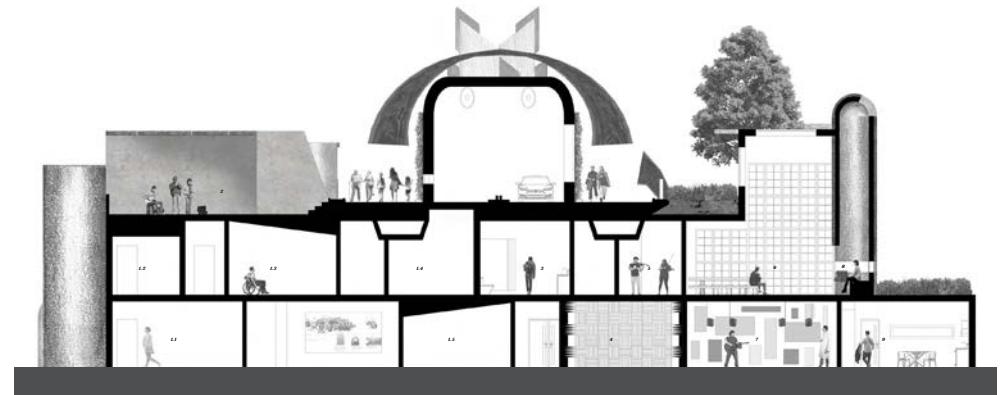
Haresh Gardner - Amplifier
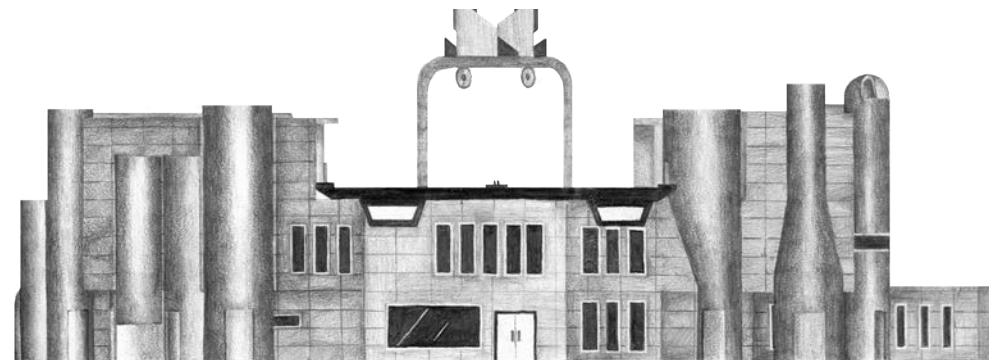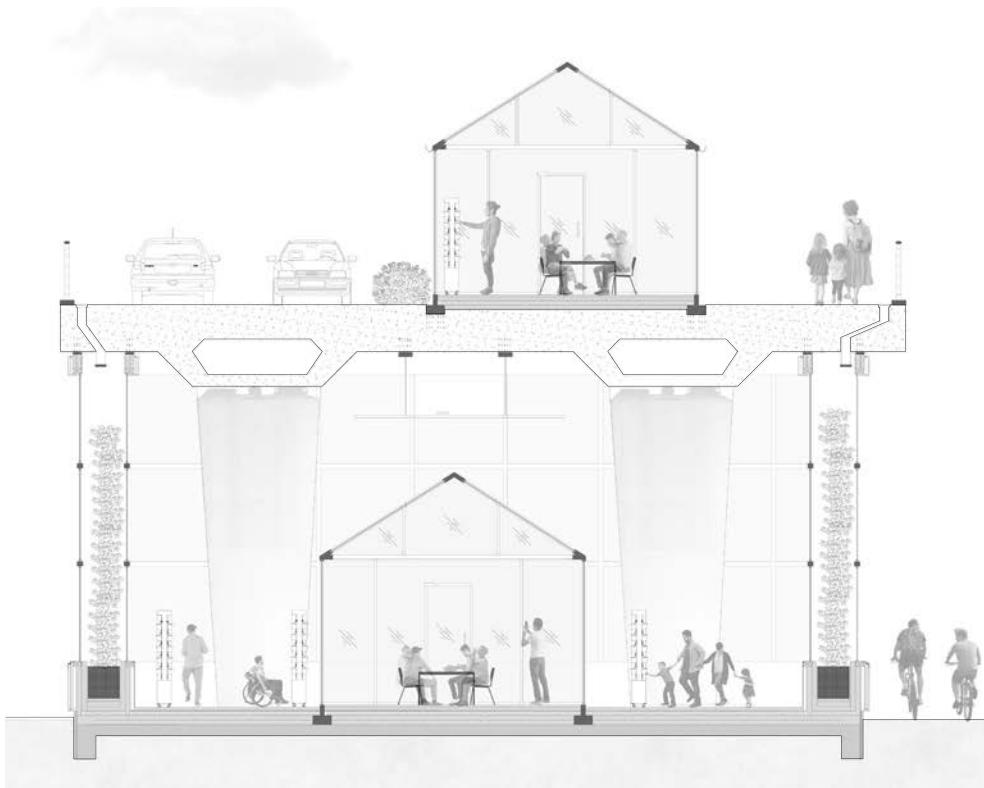
Izzy Gibson - Dining on the Mancunian Way
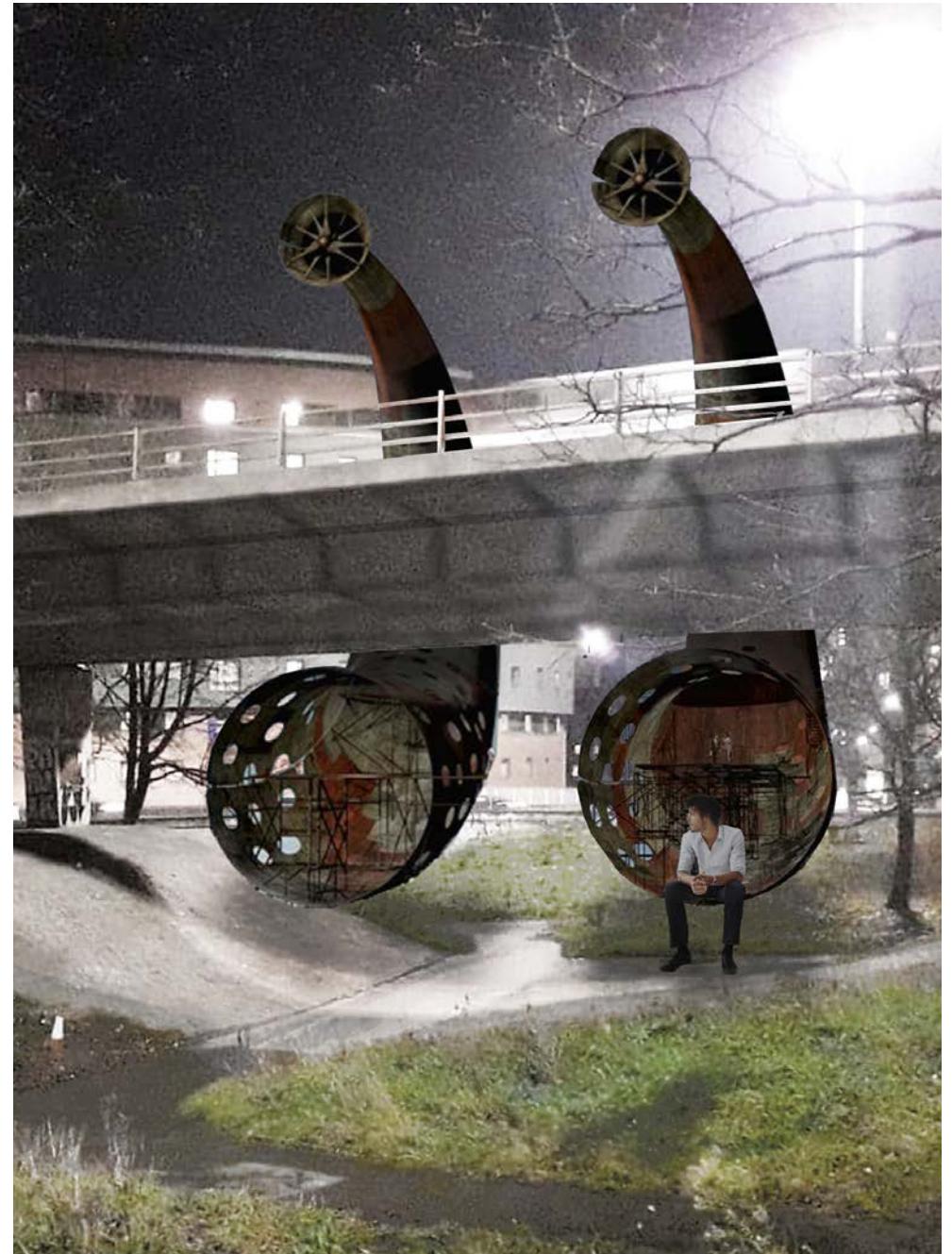
Kristupas Kadys - Sound Lab
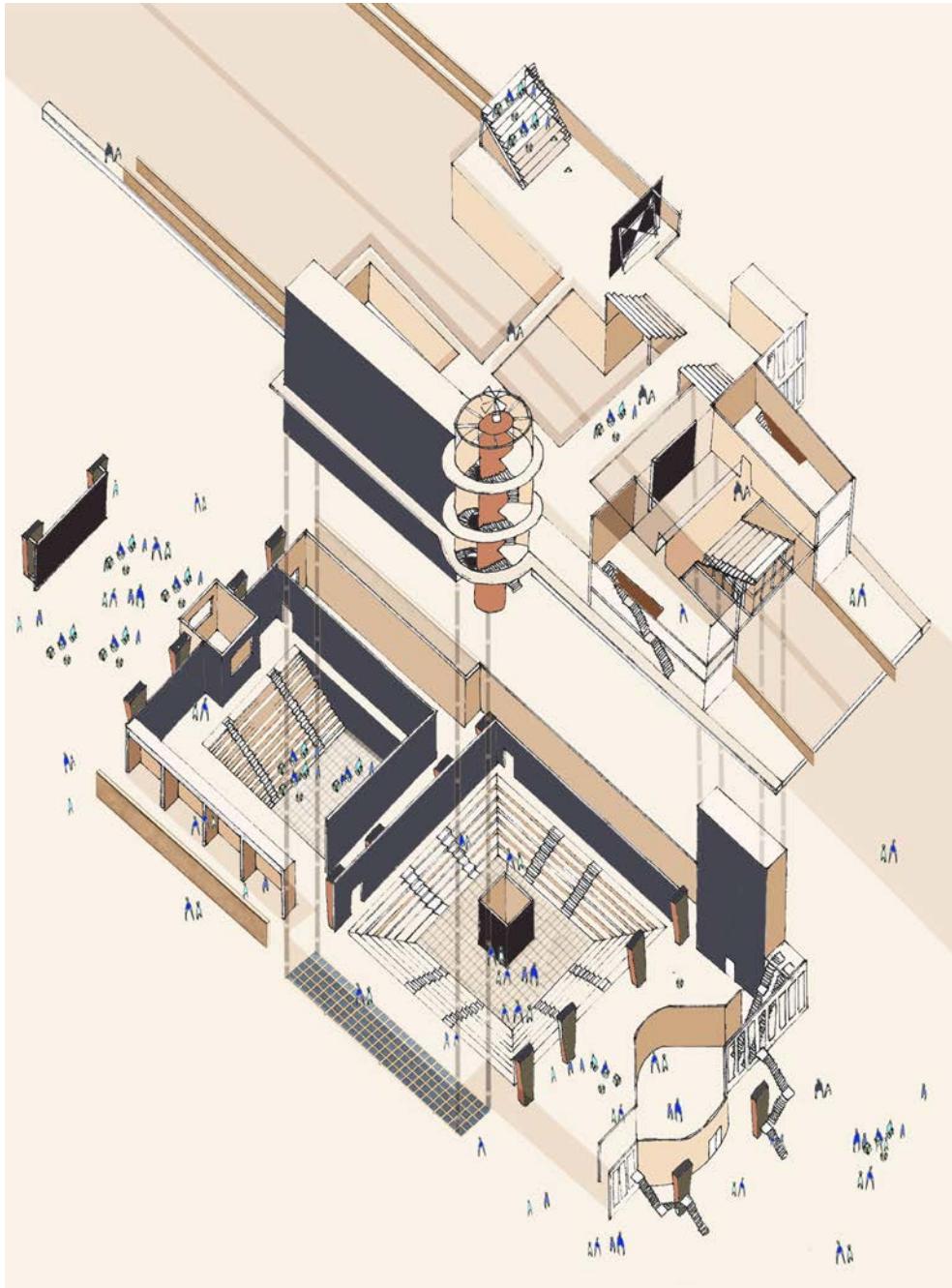
Grace McGuire - Light House
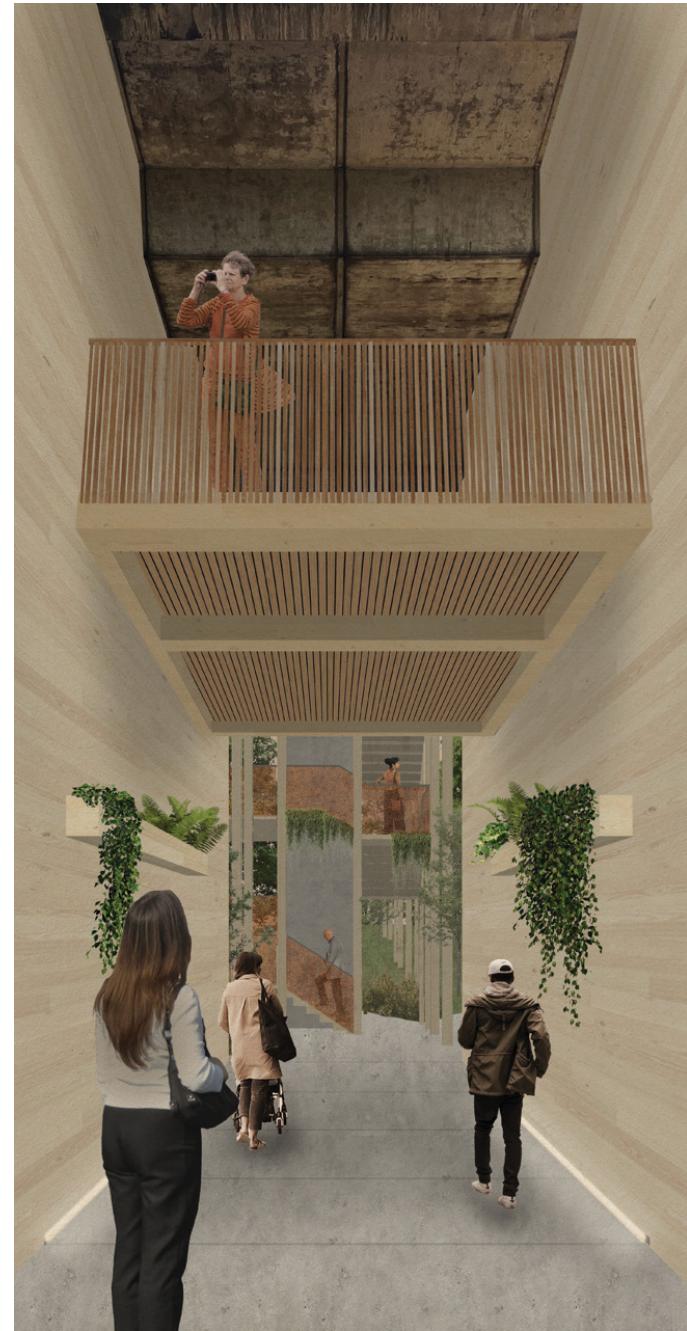
Jake Grady - Gardens of Mancunia
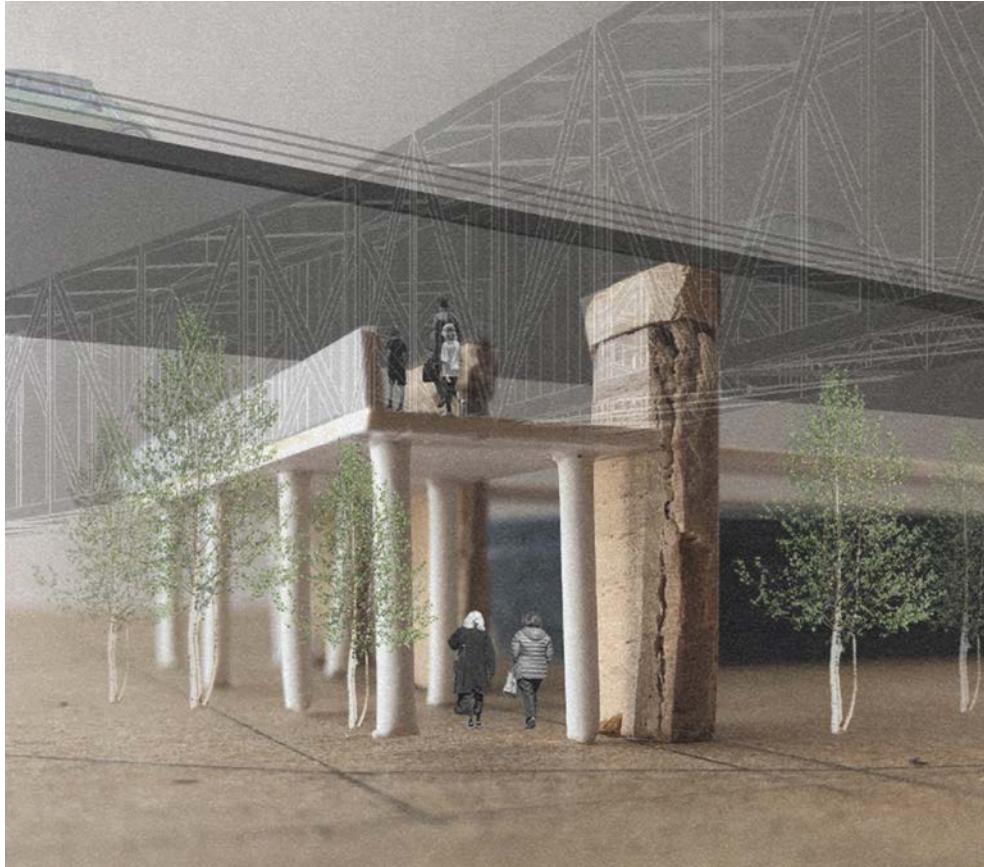
Julia Svendsen - Fibre Gallery & 'Leaving a mark, not a footprint'
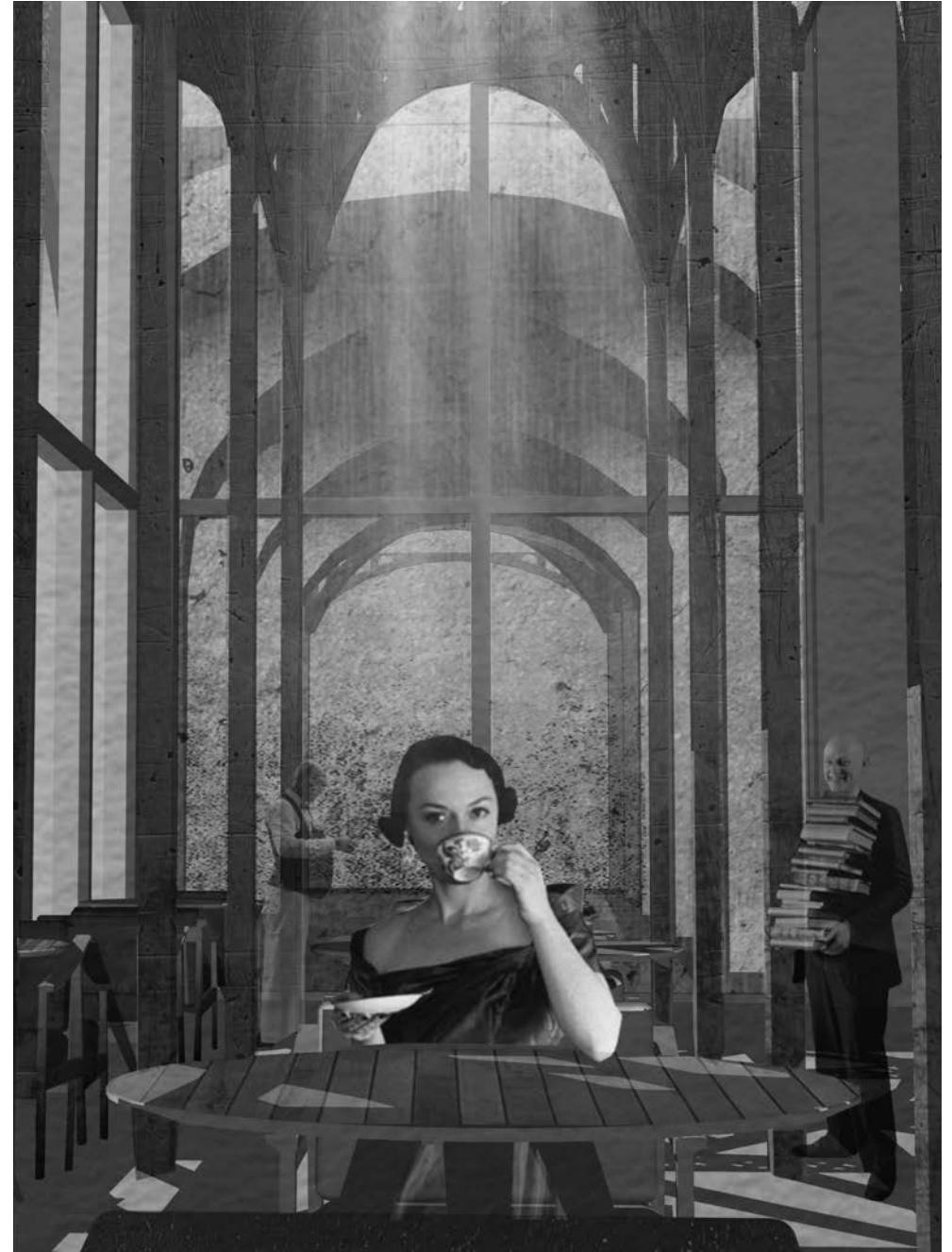
El Hadi Boudouch - Aruarian Library
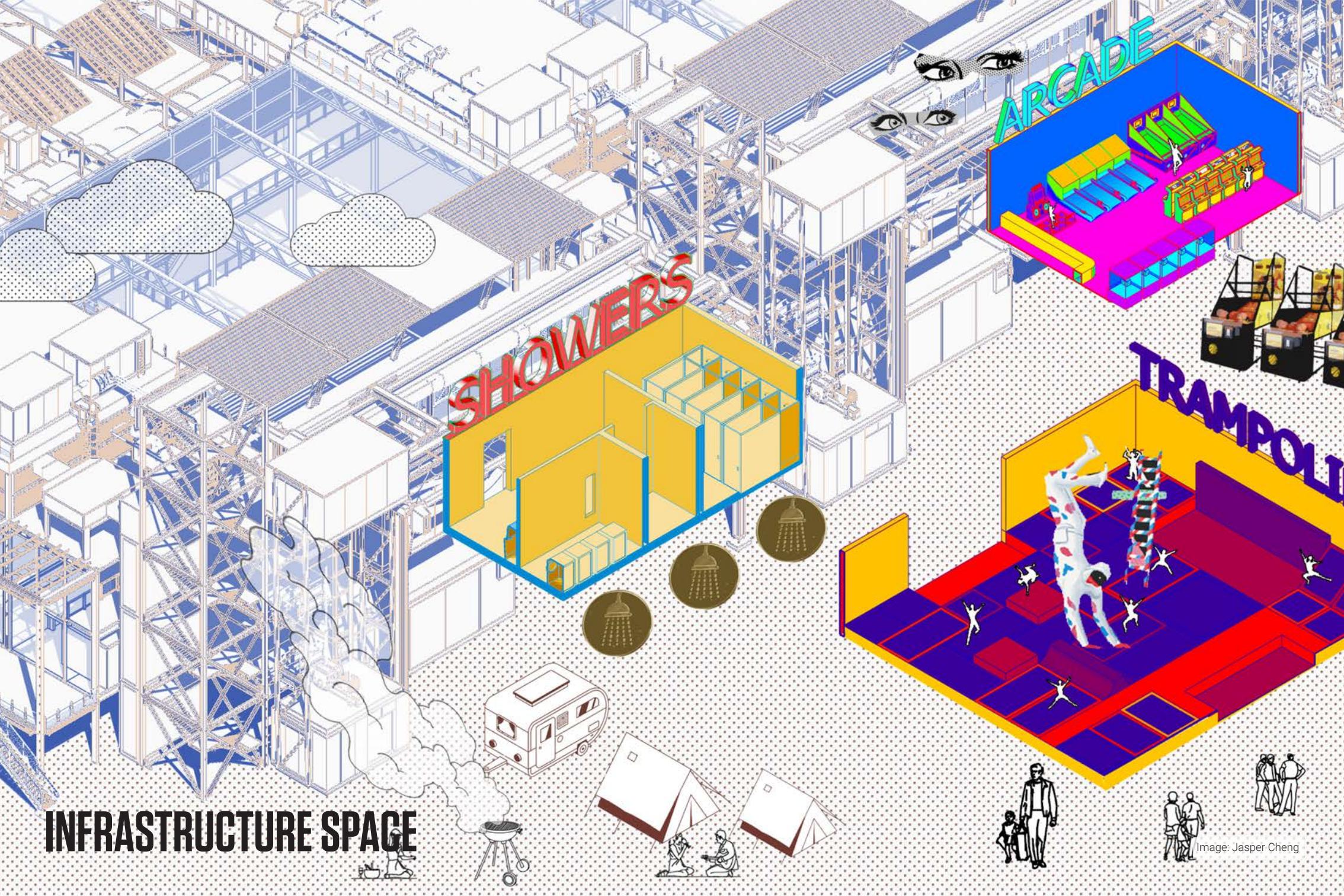
ARCADE

SHOWERS

TRAMPOLI

INFRASTRUCTURE SPACE

Image: Jasper Cheng

INFRASTRUCTURE SPACE

RICHARD BROOK
Atelier Lead

Atelier Staff
Dr Richard Morton
Nicholas Nilsen

Guests
Stuart Wheeler (Corstorphine + Wright)
Aaron Wall (Roscoe)
James Roberts (SimpsonHaugh)

Students
Enrica Agus Klumper
Saul Bunyan
Brandon Wai Hin Chan
Chun Ching Chan
Jia Jie Chan
Jinghan Chen
Yat Kiu Jasper Cheng
Yat Faye Sophie Marie Cong Shoe
Oscar Frith
Alice Holmes
Sophie Imo
Bethan Nicholass
Hugo Nippress
Amina Patel
Alfonso Pedrosa Campoy
Emily Chern Yee Poh
Kulsoom Qazi
Sophie Seccombe
Chung Yan So
Mylan Thuroczy
Will Whitaker

Synopsis
Infrastructure Space uses large territories and novel mapping techniques to explore them, to reveal latent environmental, social and cultural conditions. We approach space with neutrality to form objective views of the ways in which space is produced and used. Expanding on theories of landscape urbanism, we recognise that it is difficult to separate urban scale from global scale. Thus, infrastructure as a methodological lens enables critical discourse that addresses global issues of exchange, mobility and justice. This year we asked all of our students to consider the following:

COMMONS. By this we mean a shared space that enables a citizen led agency, sometimes to fill what has been referred to as an 'infrastructural gap'.

ECO-SYSTEMS. We deliberately hyphenate this term to accentuate its constituency - ecological / systems - we are interested in systems that can enable ecological diversity and sustainability.

SOCIETY. Society has manifold interpretations. Here we refer to groups of people with common values, territory and cultural expectations and the positive effects of such arrangements.

BA3 were charged with developing ideas for a future service station and asked to consider carbon reduction, electric vehicles, minimisation of travel, material cultures and social sustainability. In so doing, projects from multimodal transport hubs, to power generation centres, explored how service stations are pivotal to achieving significant carbon reduction; revealing that services need to be more than an amenity to humans, but should be considered as part of wider social, sustainable and ecological systems.


Saul Bunyan – Hydrogen Driven Futures

STRUCTURE / PROGRAMME AXO
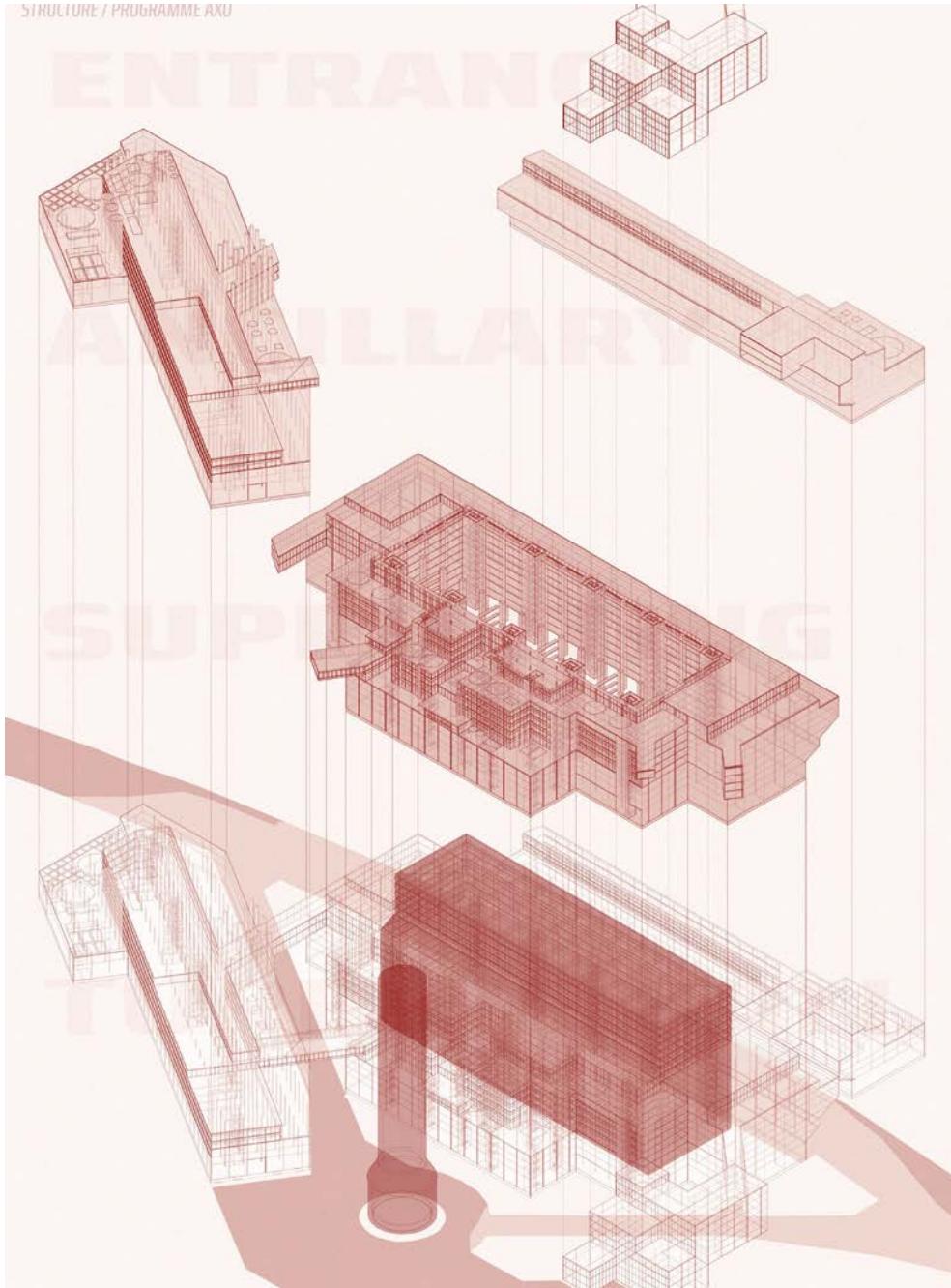
Exploring the Transport Interchange through Drawing

System Scale　　　Regional Scale　　　Building Scale
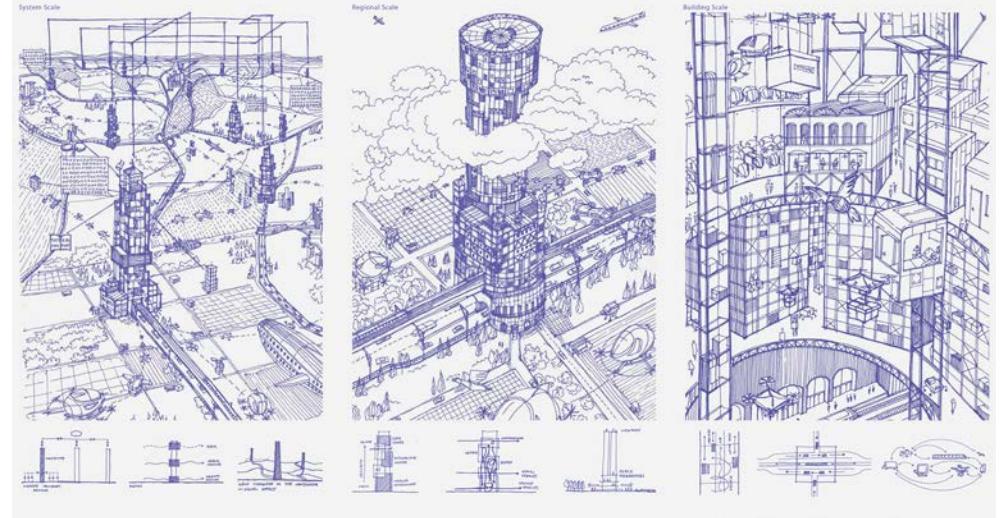
1:50 Section - Structure and Spatial Quality

The section zooms in to a small part of the building showing the area where car parking, interior spaces and accommodation and server moduls can be seen.
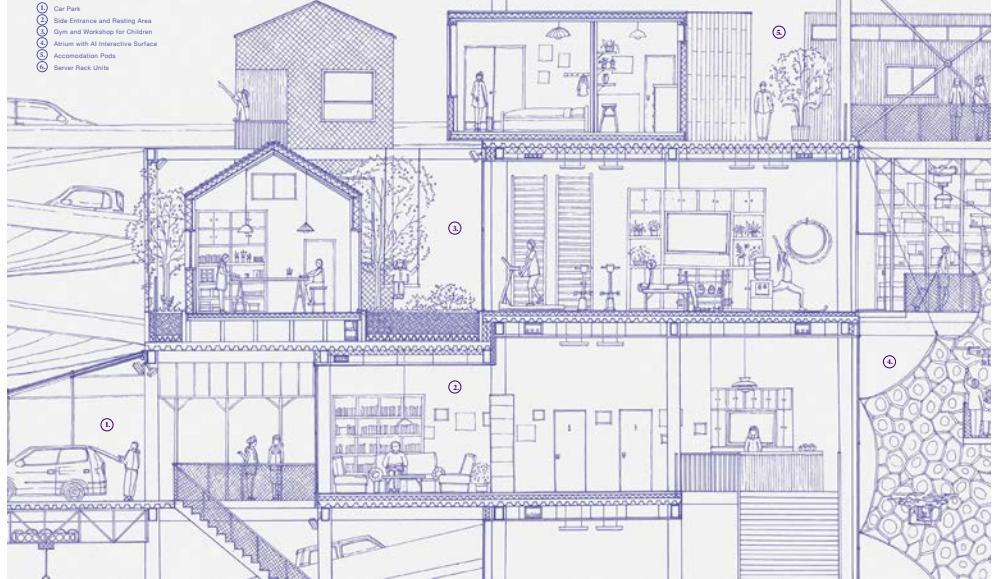
1　Car Park
2　Side Entrance and Resting Area
3　Gym and Workshop for Children
4　Atrium with AI Interactive Surface
5　Accommodation Pods
6　Server Rack Units

Saul Bunyan – Hydrogen Driven Futures

Mylan Thuroczy - An Interchange for Socially Responsible Seamless Future Mobilities
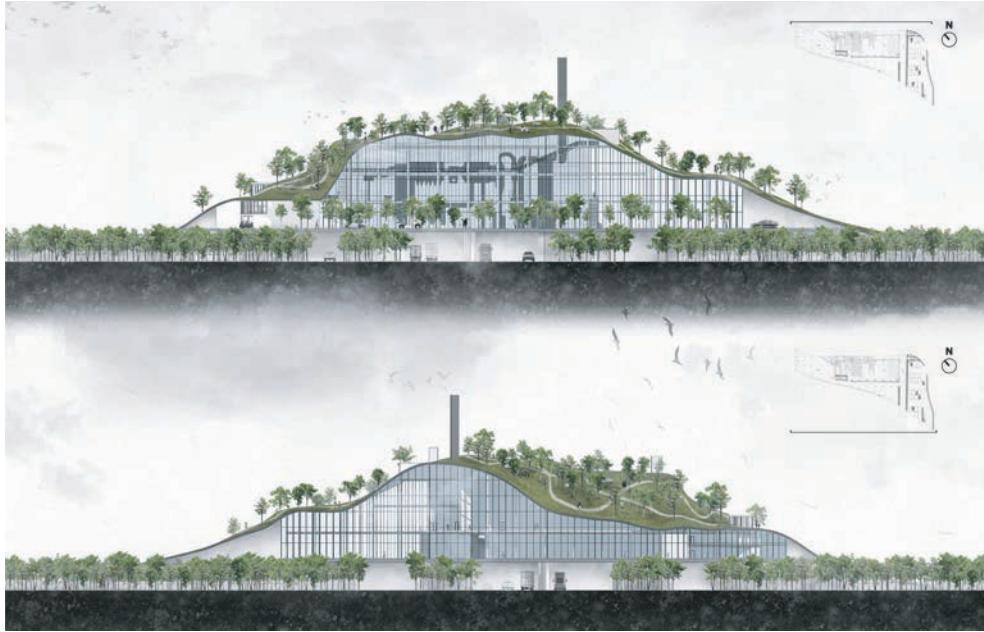
Enrica Agus Klumper – The Hill
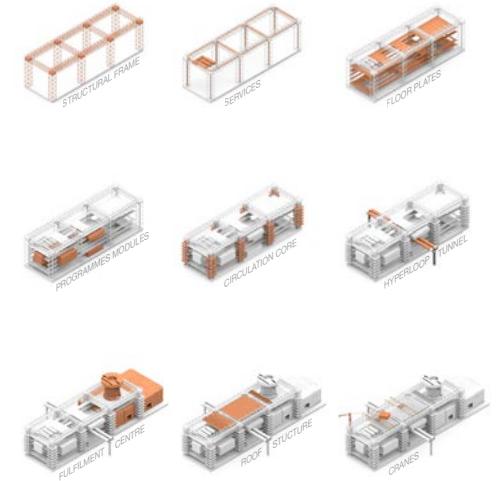
Brandon Wai Hin Chan – Amazon Interchange

Sophie Seccombe – Satellite Station

THE CATHEDRAL OF SPEED
EXPERIENCE LIFE IN 2000
LOCATION: ABANDONED M58 MOTORWAY

Will Whitaker – Humanising Amazon in the Face of Automation
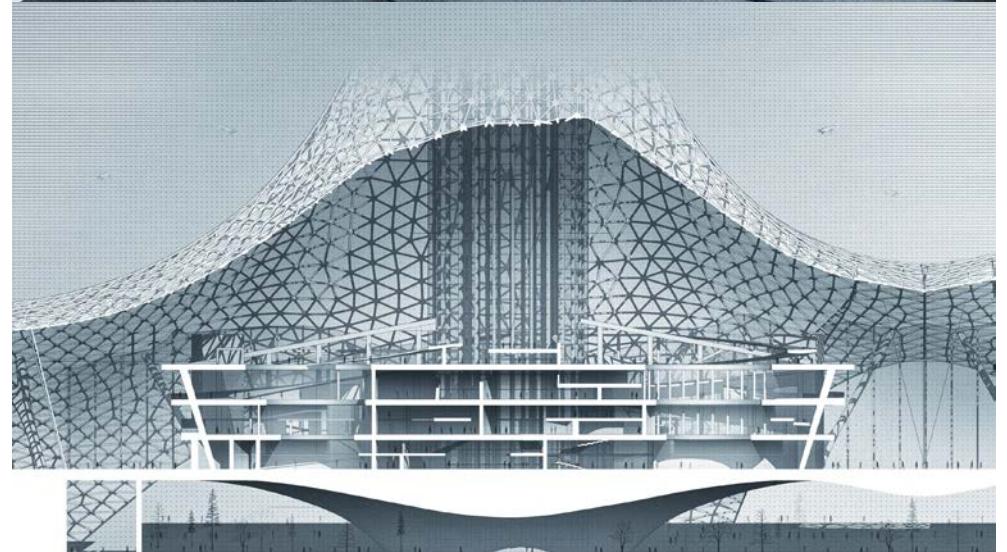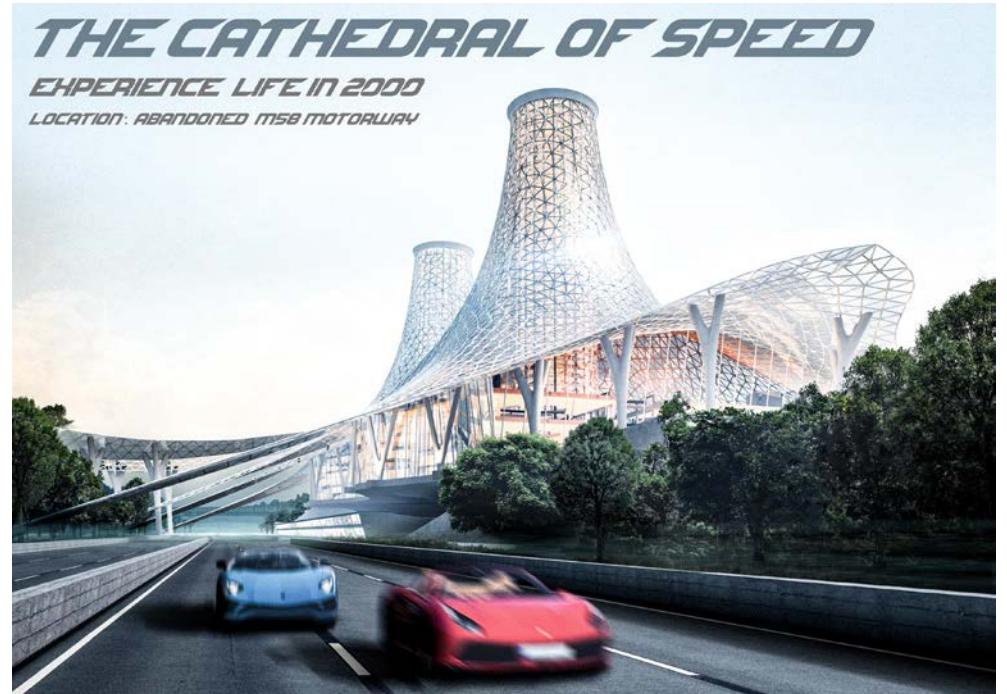
Oscar Frith – The Cathedral of Speed
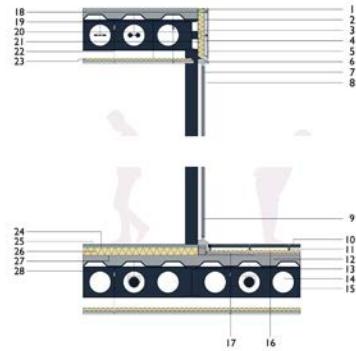
1	Breather membrane	11	Paving pedestals	21	70 mm rigid insulation
2	Vapour control membrane	12	Corrugated metal decking	22	Suspended ceiling system
3	Metal cladding rail	13	I-Beam	23	Sound insulation
4	Cavity	14	Service void	24	Concrete screed
5	Terracota tile cladding	15	Castellated beam	25	Floor finish
6	Aluminium header	16	15/40mm rigid insulation	26	100mm rigid insulation
7	Double-glazed curtain wall system	17	Sloped concrete (1:80)	27	Damp proof membrane
8	HSS steel column	18	Tile fastening clip	28	Fireproof paint finish
9	Aluminium flashing	19	Gypsum board		
10	Pavers	20	Support plate		

Hugo Nippress – HGV Interchange
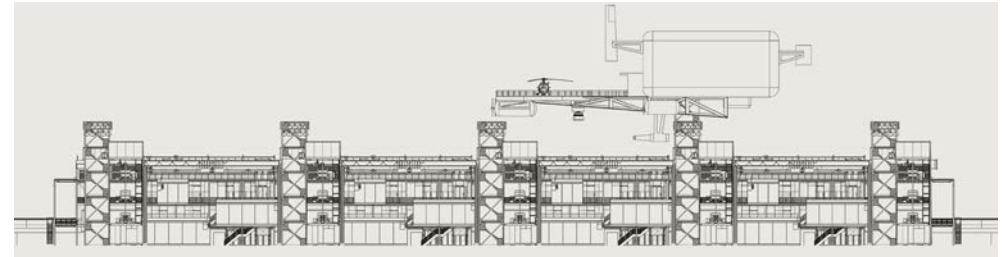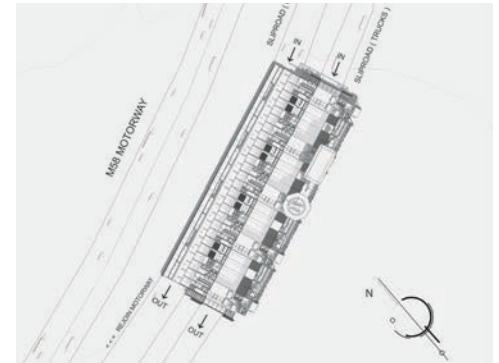
Yat Kiu Jasper Cheng – M58 Service Station
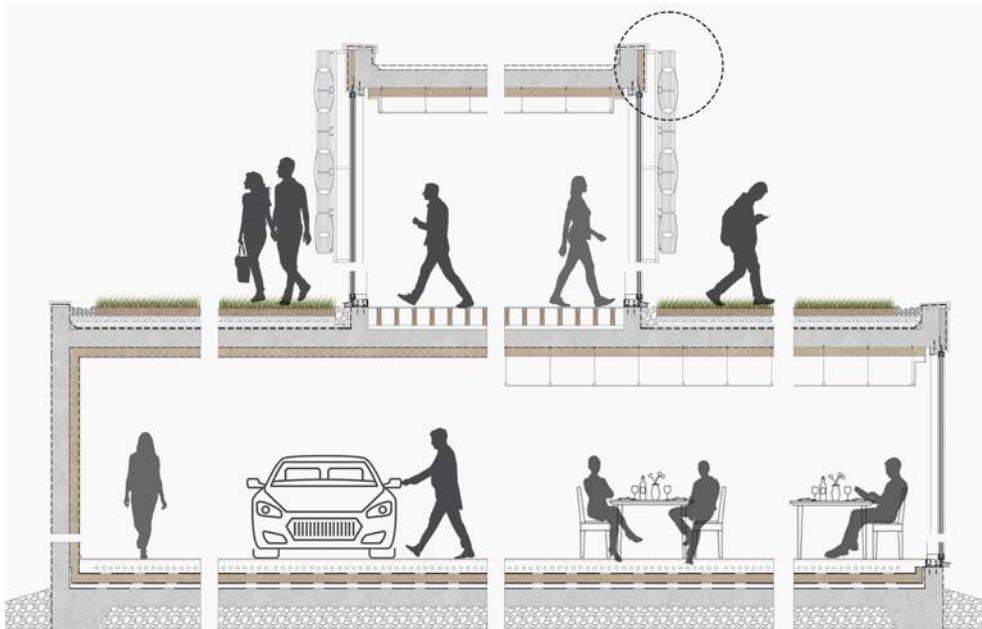
Kulsoon Qazi – Service Village

SPORTS HALL / MEETING ROOMS + SEATING
ELEVATION
1:200 @ A3

Chun Ching Chan – Service Station: A New Lifestyle

Image: Eleanor Jones – An Active Archive of Feminist Figures

PRAXXIS

PRAXXIS

HELEN ASTON
Atelier Lead

Atelier Staff
Emily Crompton
Kate Stott
Helen Aston
Sarah Renshaw
Rhiannon Hodgeon
Carma Masson
Elly Mead
Kathryn Timmins

Contributors
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Nick Mitchell (Senior architect at Purcell)
Adam Park (BDP)
Reem Charif (UEL School of Architecture)
Helen Hough (M+E Engineer, Head of Building Physics and Sustainability at Bryden Wood)
Anna Wildman (Structural Engineer, Associate at WML Consulting)
Micaela Maccan (Senior Structural Engineer at BDI Structural Solutions)

Students
Maria Ahmad
Hana Wajihah Ahmad Baihaki
Alice Allen
Amelia Bartlett
Elsa Berzigotti-Williams
On Chi Chan
Ruoqi Ding
Muhammad Iqbal Bin Ibrahim
Eleanor Jones
Bronwyn Lane
Jasmine Jia Lyn Loo
Seyed Aryan Mirhosseini
Maisie Mullins
Saffron Nicholson
Mihaela-Alexandra Radu
Amy Ryman
Weiyi Wang
Ria Jasmine Wee
Alice Wright
Aisha Zulfiqar

Synopsis
Wow what a year we have had! I want to take my hat off and say thank you to all our students and the staff team for their determination, strength and resilience. Well done!

PRAXXIS is a feminist teaching atelier and research collective in both BA3 and M. Arch pursuing pedagogy and research within, and through, feminist architectural theory and practice. We have asked the students to explore feminist strategies and tactics to move our discipline towards a fairer and more equal society. This year we have challenged the students to construct their own agenda and develop forms of practice whose aim is not just a building but a tool to transform the social, political and economic conditions of a place by exploring Archives and Feminisms.

At the beginning of the year the BA3 PRAXXIS students came together with the M.Arch students to partake in our Feminisms Conversations series. These act as a supportive and discursive platform to explore non-binary approaches to practice, education and our profession. Ranging from preconceptions on the feminist agendas to feminist technologies and from privilege to equity the discussions challenge our current knowledges and allow to think about what may have to unlearn and relearn. The BA3 students have shared the same pedagogic approaches across the atelier and the same site and agenda with our M.Arch 1 students.

In response to a site next to the Pankhurst Centre in Manchester City Centre we have used Feminist Design Tools such as Feminist Theories, Dialogues, Interruptions, Interventions and Participatory Tools to enable our students to design an Archive of Feminisms plus other key feminist agendas. Each archive/library was driven by an exploration of the four key waves of feminisms as well as an issue identified by each individual student. Projects this year are socially motivated and respond to huge range of social (and spatial) issues including challenging gender stereotypes, increasing aspirations, decolonizing war archives, celebrating the vagina, as well as inspiring protest movements, critiquing the refugee and asylum systems, exploring gender through performance, supporting survivors of sexual violence and remembering victims of violent crime. Students were asked to look at the human relationships within their proposals by considering the interconnected list of protected characteristics to enable a full exploration of the spatial potential of the complex issues of sharing internal or external archives and learning or social spaces across different groups of people.

PRAXXIS continually encourages robust and open discussions, and we are interested in projects which are both personal and political. Our overall aim is to create places shared between people of all ages, abilities, attitudes and occupations.

Socials
Twitter:
@praxxis_f

Instagram:
@praxxis_f

Ruoqi Ding – The Pankhurst Archive: Challenging Gender Stereotypes
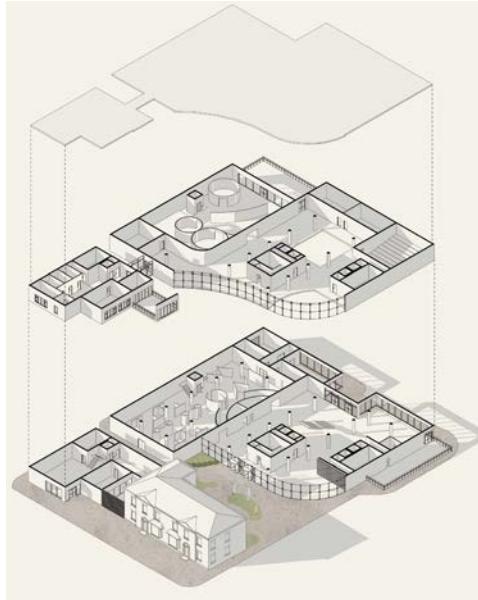
Alice Wright – Archiving Pedagogy to Challenge Stereotypes and Improve Aspirations



Jasmine Jia Lyn Loo – Manchester Vagina Archive

Amelia Bartlett – Addressing Gender Inequalities of Climate Change

Elsa Berzigotti-Williams – Archiving and Activating Protest Movements

Weiyi Wang – Archiving Gender Performance and Drag Culture

Alice Allen – Her-story of Housing: Archiving Space Standards and Gender Stereotypes

Hana Wajihah Ahmad Baihaki – The Women Asylum Seekers' Archive & Support
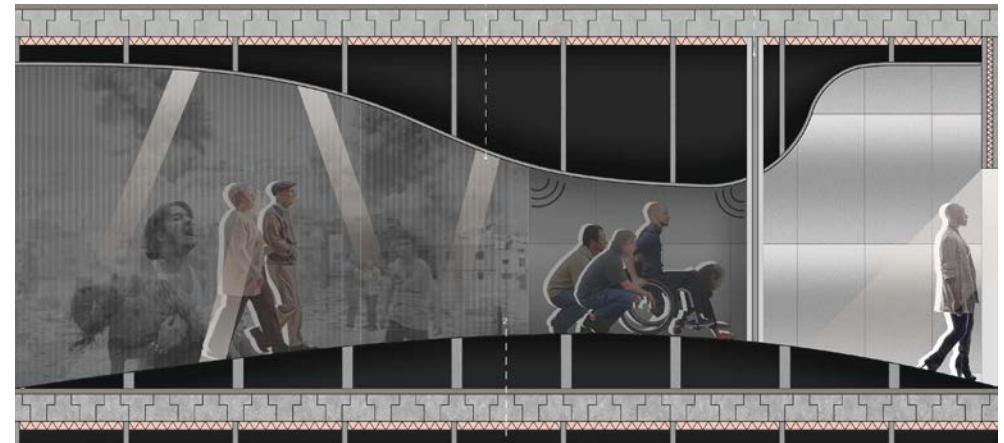
Bronwyn Lane – Archiving the Stories of Womxn & Children Refugees

Seyed Aryan Mirhosseini – Hearing the Unheard, Seeing the Unseen: Refugee Support Centre and Archive
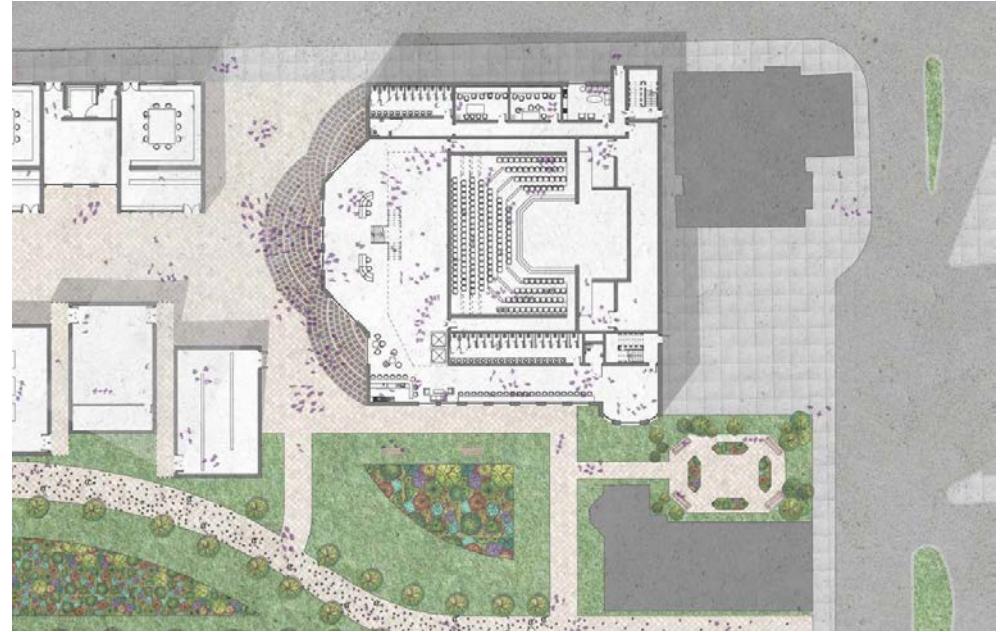
Amy Ryman – Archiving Feminisms: Making Feminism Accessible Using Performing Arts
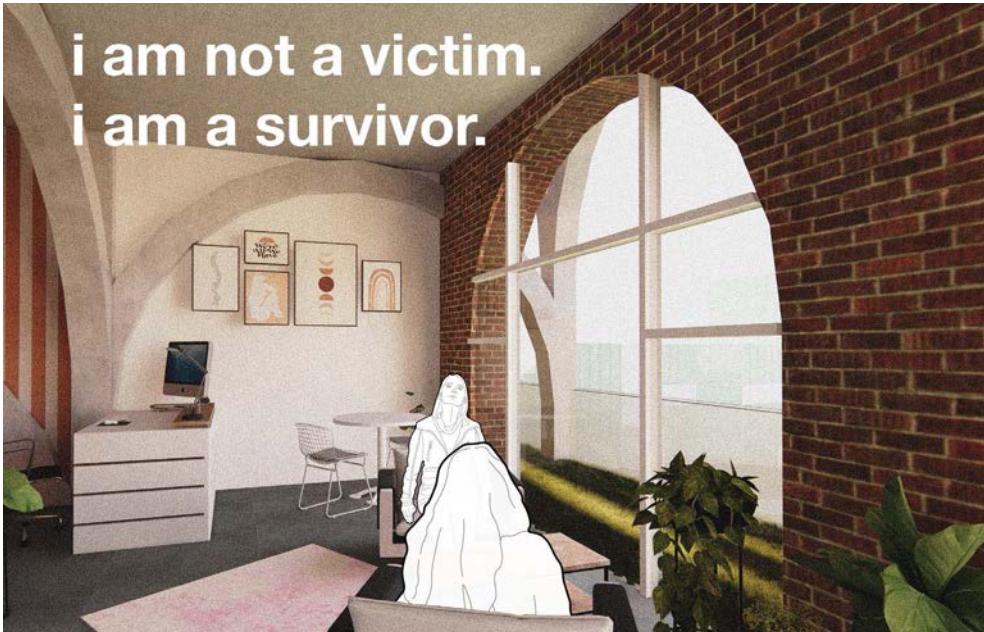
Ria Jasmine Wee – Archiving and Supporting Survivors of Sexual Assault


On Chi Chan – Archiving the Waves of Feminism

Muhammad Iqbal Bin Ibrahim – Archiving Women's Workwear

Saffron Nicholson – Archiving Feminisms: Remembering Victims of Violence


Maria Ahmad – Exploring Intersectional Feminism Through Storytelling

Aisha Zulfiqar – Decolonizing the Imperial War Museum Collections
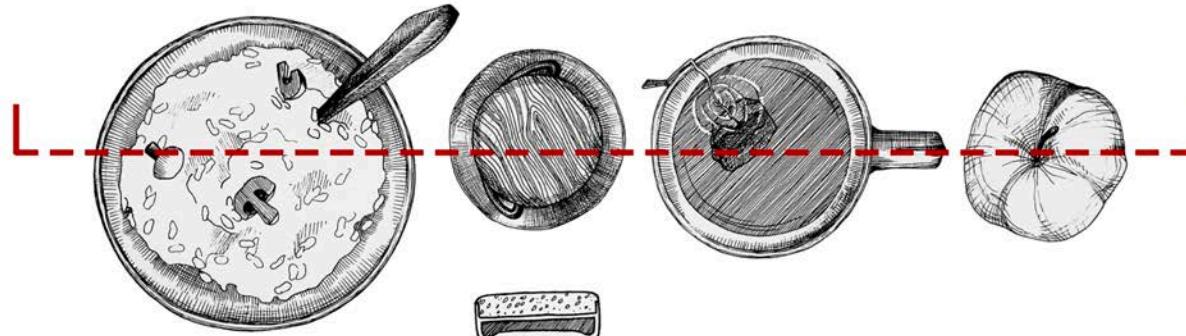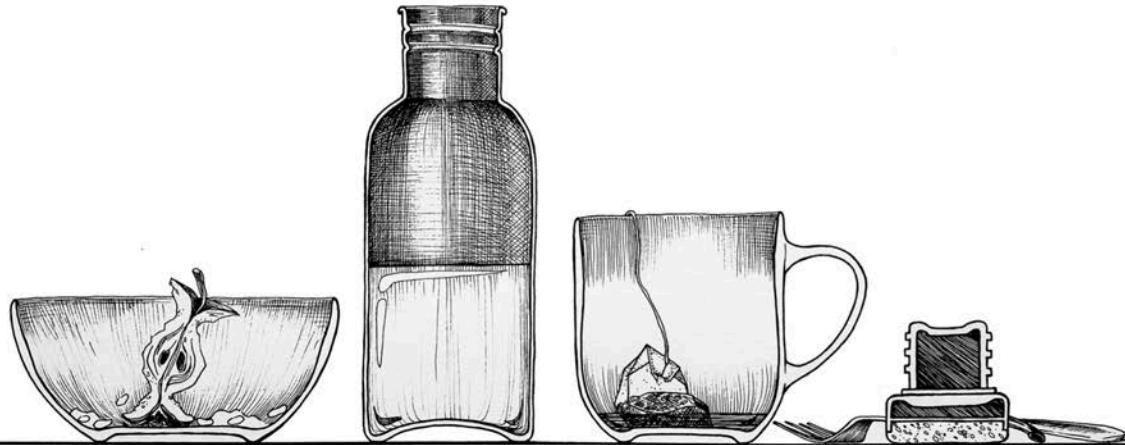
SECTION 1

SECTION 2

HUMANITIES

HUMANITIES YEAR 1

RAY LUCAS
Humanities Lead

Humanities 1.1
Histories of Architecture

Course Leader
Ray Lucas

Contributors
Stephen Walker
Kim Förster
Leandro Minuchin
Alan Lewis
Ola Uduku
Léa-Catherine Szacka
Łukasz Stanek
Albena Yaneva

We begin in Humanities 1 with the discussion of architectural history. The histories of architecture are plural and, rather than presenting a singular narrative, we show the diversity of approaches to this topic drawing on expertise from staff from across the school. No history of architecture can be completely comprehensive, so we aim to equip students with the skills and questions to conduct their own research. Each lecture consisted of a survey of architectural history in its own right, dedicated to the following topics: the vernacular; architectural history; metaphor; the (human) body; materials; class; health; spirituality; schools; trade; labour; authority; and towers.

**Humanities 1.2**
Thinking Through Drawing

Course Leader
Ray Lucas

Humanities 2 continues with a study of architectural drawing. The lectures were each framed by a certain convention and considering how they allow us to think: thinking orthographically; thinking in parallel; thinking in perspective; thinking in gesture. The lecture series is partly a history of drawing, but is also a theory of why we continue to draw according to the organising principles of orthographic projection and other conventions. Students produced portfolios of drawings exploring the qualities of copying and tracing, sequences and layers, translations and analyses of drawing, all accompanied by reflective text on the processes involved.

Adriana Sokolova - Thinking Through Drawing
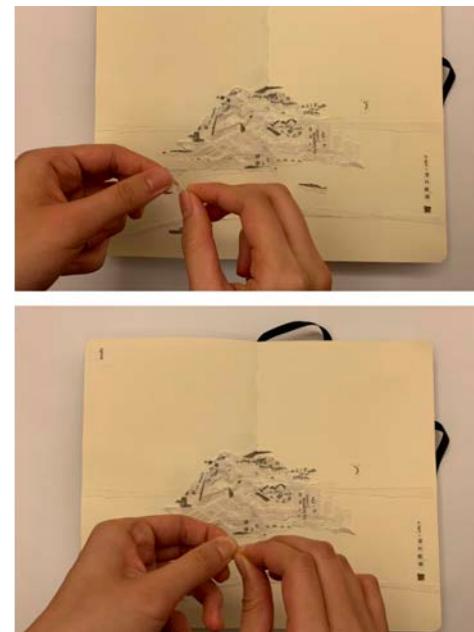
Si Xing Audrey Ma - Thinking Through Drawing
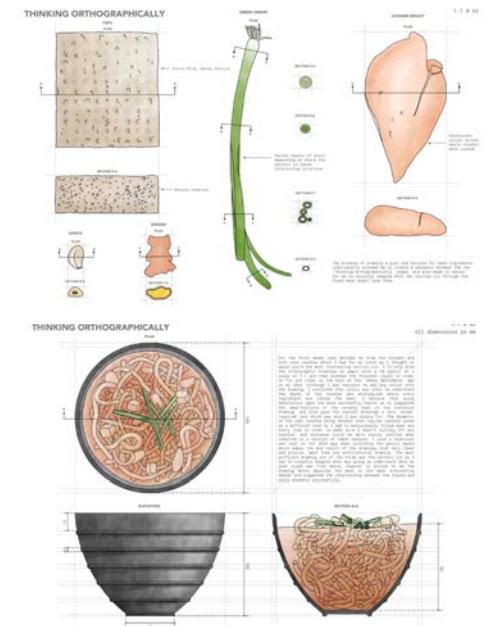
Damla Tunc - Thinking Through Drawing

HUMANITIES YEAR 2

RAY LUCAS
Humanities Lead

Humanities 2.1
Writing the City

Course Leaders
Ray Lucas
Stephen Walker

Contributors
Łukasz Stanek
Leandro Minuchin

Humanities 2.2
Architecture, Climate and Society

Course Leader
Angela Connelly

Contributors
Kim Förster
Luca Csepely-Knorr
Becky Sobell
Ola Uduku

In BA2, Humanities expands its focus to more contemporary concerns, looking at the wider responsibilities of architecture. We do this by considering the place of architecture in the city: the complexity introduced by an urban context. We will look at a wide range of global cities in this lecture series as a way of discussing the appropriate architectural and other theories. Humanities 2 addresses the professions of architecture and urban design and how it can have an impact beyond the bounds of its own sites; architecture in the city can have unexpected political and social implications, questioning the ethics of architectural practice. Lecture topics included: Revisiting the Retroactive Manifesto; Redrawing the City; Cities and Nature; Cities and Technology; Taking a Line for a Walk; How Sanja Matsuri Makes Asakusa; Spontaneous Urbanism; Cities and Culture; Prefigurative Urbanism and African Urbanism. The lectures approached cities including Seoul, Jakarta, Tokyo, Guayaquil and Accra.

The BA2 unit on Architecture, Climate, and Society takes a key contemporary thematic that is at the forefront of academic and professional activities in architecture: critically understanding the climate emergency. Architects are well positioned to creatively engage with the demands that climate change places on the profession, but it can be too easy to concentrate on materials and technology without reference to the social, political and ethical issues posed by the climate crisis. This unit helps students to understand the importance of developing a theoretically informed position when addressing the climate emergency.

Henry King, Maria Figueredo, Miruna Larisa Sara, Zhustin Zhekov - ACS Manifesto
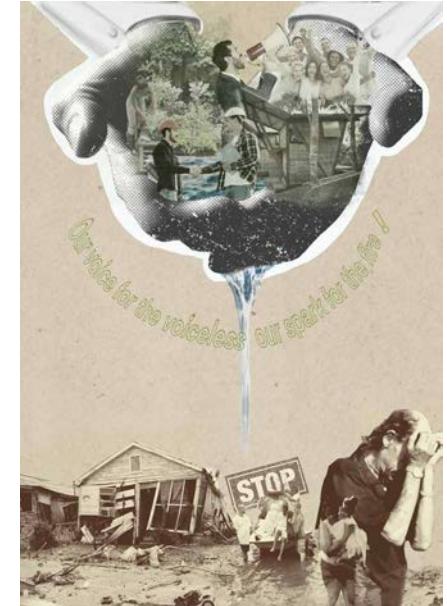
Andreea Rusu, Benedetta Rizzo, Kerryn Peters, Maria Sangeorzan, Sara Tranescu - ACS Manifesto

Anne Gabaldon Ruiz de Eguinu, Anjali Biju, Timothy Girgis, Chante Bynoe-Gittens - ACS Manifesto
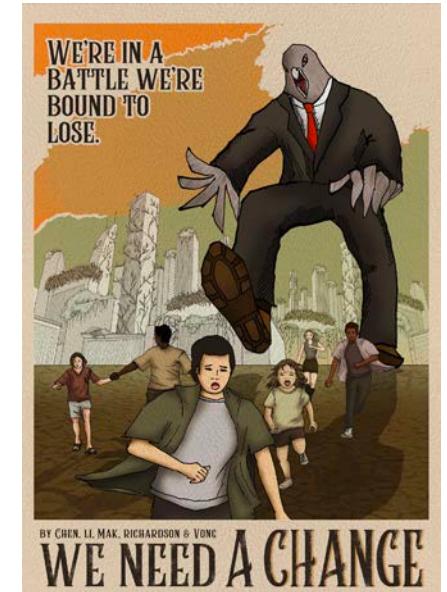
Ying Yu Chen, Lai Ying Li, Keng Chi Mak, Joel Richardson, Chi Cheng Vong - ACS Manifesto

HUMANITIES YEAR 3

RAY LUCAS
Humanities Lead

Course Leader
Ray Lucas

Staff
Kim Förster
Alan Lewis
Leandro Minuchin
Łukasz Stanek
Léa-Catherine Szacka
Ola Uduku
Albena Yaneva
Ray Lucas
Richard Brook
Luca Csepely-Knorr

BA3 Humanities is a taught programme offering the third-year bachelor students a range of electives of in-depth specification on topics in architecture humanities. The subjects of the different electives reflect architectural history and theory as they inform design practice. The BA3 Humanities electives thus allow for a thematic study within individual specialisms to be placed within a robust understanding of architecture as a discipline and profession. Conceived as research-led teaching, the electives are developed through a series of weekly meetings and tutorial sessions on essay writing. Humanities is here understood as a broad umbrella within the discipline of architecture and is approached through a set of readings, presentations, and other tasks, introducing fundamental tools and apparatuses for inquiry. Each BA3 Humanities elective is assessed by the submission of a portfolio of both an essay and an appendix, that can take different forms and include both group and individual work.

Environmental Histories of Architecture
Kim Förster

This elective in a transdisciplinary humanities perspective frames architectural thought and practice through notions of environment, i.e. nature used, abused or impacted upon. Revisiting transformation in modern history up to the present, the course looks into aspects of environment, as fossil-fueled, polluted, climatized, controlled, toxic and posthuman, providing students with a historical and environmental consciousness. Each topic, connected to different locales—starting from Manchester, via Europe and North America to the Global South, African and the Middle East, South-East Asia, and Latin America—presents specific political and social contexts, in which new strategies of architecture and the environment could emerge.

Global South's Global: Mobility of Architecture in the 20th Century

Łukasz Stanek
Teaching Assistant: Demetra Kourri

This course traces the world-wide mobility of architecture in the 20th century from the perspective of the Global South. We will study the emergence of architecture as disciplinary and professional practices in West and North Africa, and the Middle East in the course of decolonization, the Cold War, and globalization. We will discuss world-wide trajectories of architects,

designs, concepts, and technologies that intersected in Accra, Lagos, Rabat, Algiers, Tripoli, Damascus, Aleppo, Baghdad, Abu Dhabi and Kuwait City, and study how, in the course of this circulation, the principles of modernist architecture and functionalist urbanism were modified, questioned, revised, and challenged.

Curriculum of the School of Architecture, Kumasi, Ghana, 1960s, Avery Library, Columbia University, New York

Architecture in the Age of Acceleration

Léa-Catherine Szacka

This course considers the systemic challenges posed by the continued climate crisis, rapid urbanization and globalization, and the threat of collapsing eco-systems as the starting point for theoretical reflection on architectural design today. The course proposes to investigate six strategies—Territoriality, Regionalism, Participation, Transformation, Commoning, and

Autonomy—looking at their historical roots in the postmodern period and projecting their applicability into our contemporary era, allowing students to uncover both historical continuities and new possible directions. Each strategy will also testify to the political and social contexts in which architects have challenged their role under the conditions of modernity.

Exploring Tropical Educational Space: Climate, Construction and User Cultures

Ola Uduku

This elective option involved students reading and exploring texts related to environmental design strategies in the tropics, with a specific focus on educational design history in tropical Africa. The elective was further supported by lectures by the architects Anupama Kundoo, Jacopo Galli, (IUAV) the engineer Neil Thomas (Atelier One) and Professor Iain Jackson (Liverpool University) both of whom have first-hand experience with designing in tropical climates. All students had to produce essays with reflective reports as a conclusion to

the elective. A small group of students from the project worked further with Ola Uduku to develop exhibition materials focusing on the physical 3–modelling of two different tropical school buildings in Tema, Ghana and Ibadan, Nigeria and their environmental analysis. The Education Shock Exhibition is taking place, post-German lockdown in Berlin this summer.

www.hkw.de/en/programm/projekte/2021/bildungsschock/bildungsschock_start.php

International School Ibadan. Image: Ola Uduku

Architecture and Crisis: Covid19 and the Changing Formats of Design Practice

Albena Yaneva

The elective explored how the global pandemic has affected the day-to-day reality of architectural practices around the world and generated new reflexivity on the profession. Reflecting on the implications of this crisis, the students investigated the new material, spatial and technological settings of practice (creative routines, formats of teamwork, ways of 'meeting' the clients or

anticipating the users). They conducted an ethnographic study with a practice based on zoom interviews. This allowed them to reflect on how the move to online working and social distancing affected the process and outcome of architectural practice and modified the culture of designing architects.
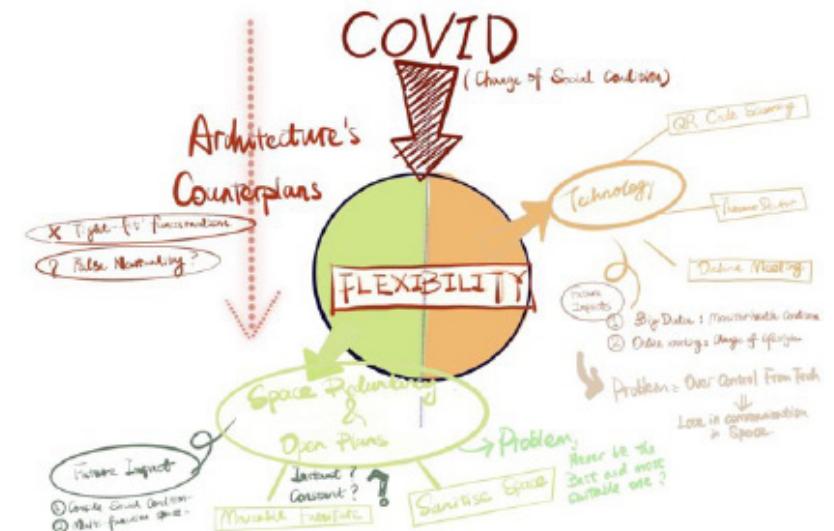
Anthropology of Home
Ray Lucas

This elective challenges the assumptions we carry with us about the world around us. It is not enough as architects to simply presume we know a place and how it is used: we need to ask better questions. This course alternates between anthropological theories of importance to architecture with alternative practices, ways of producing knowledge: maps, diagrams, notations and drawings. supplementing the conventional processes of site analysis with more of a social aspect,

the aims of graphic anthropology are to accurately observe the social life of a space in order to make more informed and appropriate interventions. Each week involved fieldwork tasks to be carried out at home. Normally fieldwork is conducted outdoors and away from home, but this year's unique circumstances give us an opportunity to really interrogate the meanings of home.
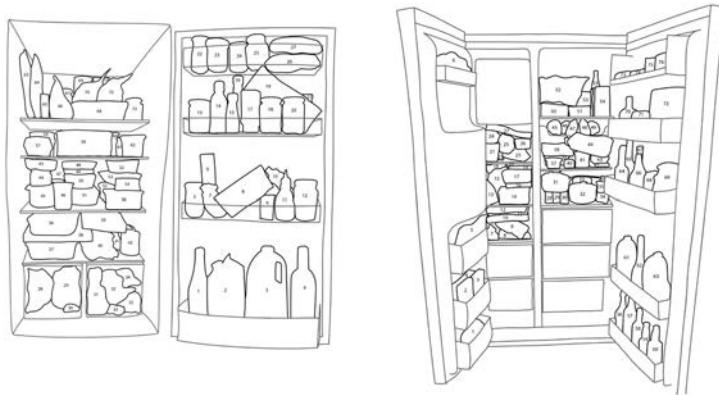
Illustrations of Fridge/Freezer Contents. Image: Rosemary Clowes

Landscapes of Post-War Infrastructure
Richard Brook and Luca Csepely-Knorr

This elective is associated with a research project directed by Dr Brook and Dr Csepely-Knorr, funded by the AHRC and focused on the value and significance of architecture and landscape of post-war British infrastructure. Students learned about the historic and contemporary settings for design professionals working alongside engineers in the delivery of infrastructural schemes, between 1945 and 1980. At this time huge public investment in new motorways, power stations, reservoirs and telecoms signalled the modernisation

of Britain. Landscape architecture was transformed immeasurably by such change. Landscape architects moved from designing enclosed spaces to being in control of entire fields of view. Designers worked collaboratively, often with the landscape architect as lead consultant. Students explored the post-war period, the nationalisation of industry, the planning and legislative contexts and how design was advanced and informed by these conditions.
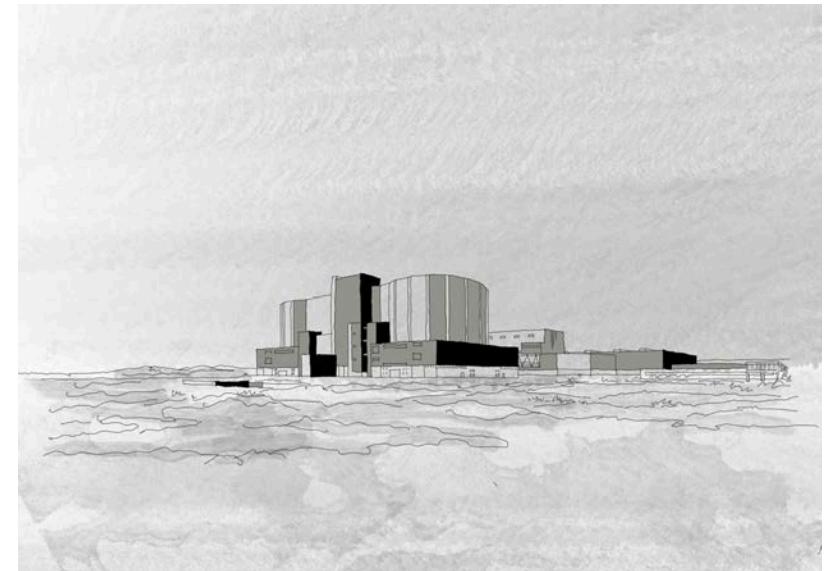
Drawing of Wylfa nuclear power station, designed by Farmer & Dark architects, 1962-71. Drawing by Robert McCarthy

TECHNOLOGY

Image: Siu Man Hei - Technologies 1 Design Project - Papermetrics

TECHNOLOGY

MATT AULT
Technology Lead

Technologies Team
Matt Ault
Glenn Ombler
Siobhan Barry
John Lee
Ian McHugh
Amy Hanley.
Dominic Sagar
Neil Allen
Stephen Wall
Patrick Drewello
Yusuf Adams
Gary Coleran

Atelier Technologies Tutors
Carrie Lawrence
Patrick Drewello
Mike Daniels
Kate Stott
Victoria Jolley
Dan Newport Nick Nilsen
Yun Wu

General Teaching Assistants
Walaa Haj Ali

With thanks to our guest speakers and collaborators:
John Barret (5Plus)
Allan Haines (EDICCT - Engaging Designers in Creative Construction Today)
Kevin Flanagan (PLP Architects)
Jeremy Kim (Foster + Partners)
Tim Gibbons (Fieldwork Architects)
Claudio Molina Camacho

Synopsis

The Technologies unit is undertaken as a 30 credit unit with a common structure in each year. Generic learning in the Technologies unit via lectures, case studies and design projects is usefully aligned and complementary to specific propositional applications in design projects in Studio contexts.

Technologies acts to create an independent academic discourse of architectural technology. This is structured to enable students to contextualise, inform, inspire and justify their design propositions on the basis of their experience and expertise of the architectural discipline and its correlates. This discourse sequentially builds a catalogue of concepts, experiences, analyses, applications and experiments focused on answering the question: How do I do this?

The Technologies unit provides students with skills to critically dissect and deconstruct the structural, material and environmental performance of architectural precedents in an operative manner, seeing the built history of architecture as a 'realisation library' to draw from. Assignments develop the material realisation skills and understanding of students through increasing levels of sophistication and authorship in their design projects.

Project Summaries

In year one, existing applications and techniques are examined through a series of lectures and analysis exercises which support a subsequent holistic analyses of small scale (but often structurally or environmentally complex) case studies. Design projects explore digital modelling and fabrication through iterative qualitative testing.

Year two builds on first year, exploring certain issues in more detail, e.g. introducing industry leading environmental analysis software as a learning tool for analysing case studies and in application to qualitative iterative testing in design projects.

Year three develops a discourse of contemporary technological design technique, introducing students to rigour in building academic arguments for the development and resolution of their own technological design propositions. The initial precedent analysis frames the level of technological resolution sought for final year Technologies design projects that align with the themes and focus of the respective ateliers.

Across the three years, the Technologies Design Project is systematic using a framework of appraisals, analyses and iterative design testing to guide students in identifying key performance parameters for their projects and linking them to the opportunities they offer for creative, integrated, architectural design. Technologies design projects are intentionally distinct from others undertaken on the course, with different starting points, methods and outputs, enriching students' portfolios and preparing them for scenarios in professional architectural design practice.

ELEVATION DRAWING

The entrance is to be made from galvanised steel. While it is a sustainable material (1.1.ii), by coating it with a black layer it creates a **strong hierarchy** against the **warmth of copper**. This further aids the **journey** in the structure where the occupants interact with **different interior atmosphere, and spatial qualities** through various lightings.

The structural rigidity of the structure is maintained as there are 3 main contact points to the ground. The way they were designed to maintain balance and meet the ground also complements the overall aggressive form as if each "leg" of the structure **continuously guide the pavilion to move forward**.

With the present of transparent facets, occupants and pedestrians can more **vividly distinguish** the external and the internal space, thus more effective **social geometry**.

These **transparent facets** were patterned with triangular lines to enhance the **delicate** triangular form of the pavilion. They also fabricate a greater sense of **belonging and personality** to the aesthetic form.

In comparison to the week 1's design, this improved concept's tip has been pulled forward as part of rotating the height of the pavilion (iteration 3). This was intended to complement the **aggression** of the design while generating greater sharp-edged shadows. Furthermore, a **longer copper triangular facet** allow the **interior lighting qualities** to be enhanced through greater **reflectiveness and texturalisation**.

11 AM

PERSPECTIVE OF INTERIOR

Patterned transparent facets were introduced in my iterations to enhance the structure's emphasis of creating a **meaningful journey** through **interactive shadows** thus enabling occupants to distinguish the strong **contrast** of the interior colors and exterior conditions. Such as such the afternoon, the interior orange-gold copper color creates a **powerful distinction** against the bright blue sky.

The triangular facets come together to one point to symbolise a sense of **unity** in the structure and **continuity** in the **circulation flow**.

Evident here, the structure's **inclined design** is intended to allow **rainwater** to flow downward smooth (reduce live load). It also complements the **aggression** of the form while harmonising the **hierarchy** of the first part of the pavilion.

9 AM 1 PM 4 PM

Occupants who prefer shaded areas
Occupants who prefer un-shaded areas

2 1 3
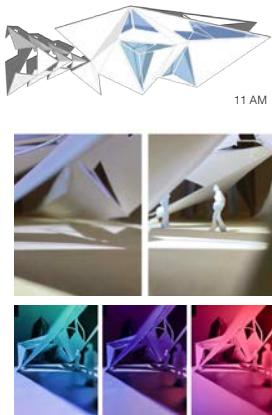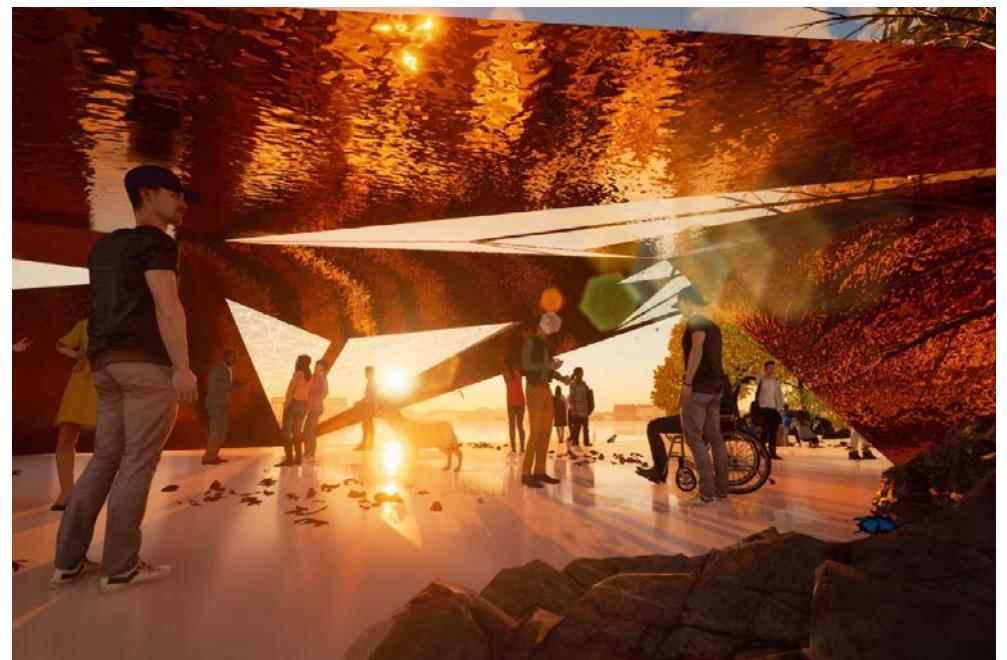
The sharp-edged lines formed by the shadow complements each other and collectively aid the aggressiveness and composure of the structure

With facets being offset, the legs and triangular facets become more geometrically sharpened which further enhance the dominance of the structure.

Metaphorical lines between shadows define better proportions while generating hierarchy of depth and space

The shaded area creates a metaphorical threshold defining the internal and external space, while suggesting the contrast of materials, colors and atmosphere.

Filtered shadows allow the space to be more intricate, interactive exciting. Through having multiple "metaphorical" space in the pavilion, it encourages a greater variety of human-activities such as kids would be more interested to play around un-shaded areas.

Sui Man Hei - Technologies 1 Design Project - Papermetrics

Sui Man Hei - Technologies 1 Design Project - Papermetrics

Même Experimental House - structure

BUILDING ENVELOPES 2
SKINS+CLADDING

CHAPEL IN TARNOW
STUDIO BETON / POLAND

2) Detailed Envelope Study: Materiality and Spatial Effects

Wiktoria Nowak & Anne Gabaldon - Technologies 2 Case Studies

Wiktoria Nowak - Technologies 2 Design Project - Single-Volume Multi-Use Space

GROUND FLOOR PLAN (1:200)

1. Reception
2. Bar/Cafe Dining
3. Kitchen
4. Cafe servery
5. Storeroom
6. Service riser
7. Staircase
8. Unisex/Disabled friendly toilets
9. Meeting lounge
10. Planterbox with seating benches
11. Main entrance and Fire Exit
12. Side entrance/fire exit (for staffs)
13. Delivery and service access
14. Cycle parking

TYPICAL OFFICE FLOOR PLAN (1:200)

1. Lift
2. Main Office Space
3. Printing zone
4. Meeting Cubicle Room
5. Brew space
6. Cloaks/ Storage/ Lockers
7. Breakout spaces
8. Informal meeting zone
9. Kitchen/ pantry
10. Cleaners' store
11. Front Atrium with hanging vegetation and grated walking platform
12. Central Atrium

ROOF PLAN (1:200)

1. Bituminous membrane flat roof
2. Lift
3. Central atrium rooflight
4. Front atrium rooflight
5. Wooden pergola (potential for vegetation/ solar panels)
6. Green roof
7. Perimeter capping + drainage

GENERAL ARRANGEMENT: PERSPECTIVE DRAWING

GENERAL ARRANGEMENT: KEY WEST ELEVATION (1:200)
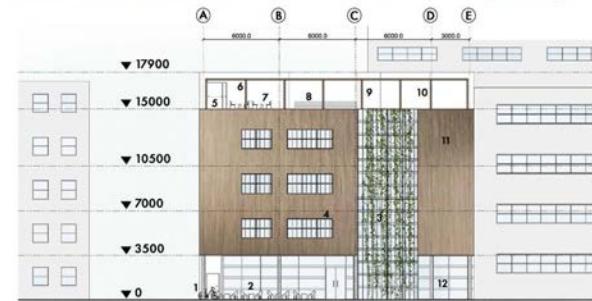
GENERAL ARRANGEMENT: KEY SECTION (1:200)
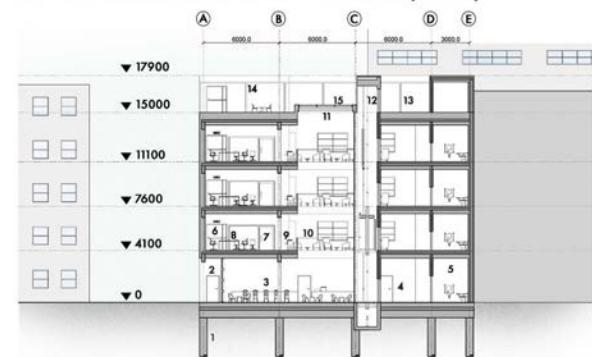
WEEK 1: SKETCH DEVELOPMENT
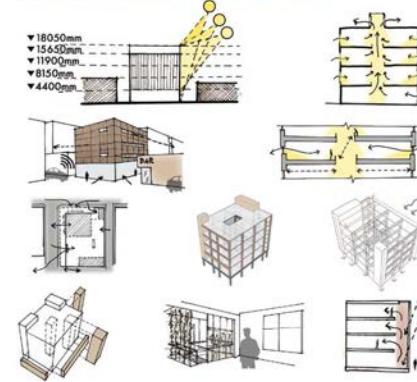
WEEK 2: ENVIRONMENTAL ANALYSES
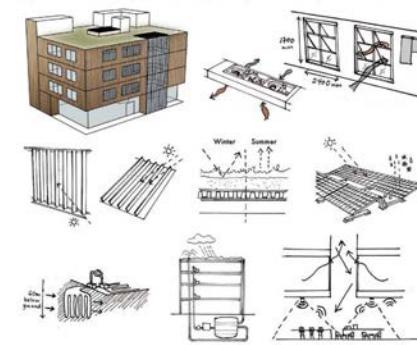
WEEK 3: FINAL PROPOSAL
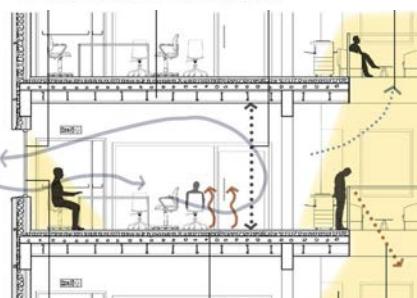
TYPICAL MODULE ISOMETRIC DRAWING

1. Floor build-up
- Floor zones are reduced which allow higher floor to ceiling height whilst reducing overall height. This is because prestressed concrete hollow core slab allows longer span with lighter weight and shorter depth.

2. Wall build-up
- Metal rainscreen envelope has low U-value of 0.14 W/ m²K which is within Passivhaus standard. It also provides ventilation and prevents humidity which is beneficial to Munich with high rainfall and snowfall.

3. Shadings
- Vertical wooden louvers are beneficial to prevent strong eastern daylight whilst adjustable to different times of a day for thermal comfort and prevent glare.

4. Windows
- Double glazing with argon filled to reduce heat transfer. Openable to allow user control for passive ventilation.

5. Glazed wall
- Transom and mullion with fire-retardant inserts as well as toughened glazing with toughened glass and intumescent layer.

6. Ground floor
- Thicker slab to withstand load whilst supported by piled foundation.

7. Exterior corridor
- Permeable pavement prevent surface flood.

8. LED lighting
- Cove LED lights allow subtle illumination at the same time energy saving.

JUNCTION/ INTERFACE DETAILS
1. WALL TO ROOF DETAIL

1. Vegetative layer
2. Filter layer
3. Drainage layer
4. Geotextile layer
5. Root barrier film
6. Waterproofing membrane
7. Wood wool insulation
8. Vapour barrier
9. Reinforced concrete hollow core roof slab
10. Copper flashing
11. Sloped rigid foamboard
12. Cavity opening with bug screen
13. Reinforced concrete wall

2. FLOOR TO WALL DETAIL

1. Concrete floor screed
2. Woodwool insulation
3. Reinforced concrete hollow core slab
4. Sound insulation
5. Service void with hangers
6. Acoustic backing
7. Timber battens
8. Plywood lining
9. Vapour barrier
10. Gypsum board
11. Wood wool insulation
12. Wood wool insulation roll
13. Gypsum board
14. Wood wool insulation
15. Damp proof course
16. Cement Board
17. Cavity barrier
18. Weathered brass rainscreen panels

Millie Cheng Qian Yao - Technologies 3 Workplace Design Project Synopsis

Millie Cheng Qian Yao - Technologies 3 Workplace Design Project Synopsis

Winter (3pm) - 0° angled
Equinox (3pm) - 30° angled
Summer (3pm) - 80° angled

Lux levels

After many testing, this model's depth, spacing, thickness and angles show the best result and compromise for all seasons. Testing shows louvers dont have to be angled during winter while requiring angulation during equinox and summer for evening sun. The illumination of working desk seemingly is around 188 to 375 lux thoughout the seasons. With adjustable sensored led lightings, sutable lux between 200 and 500 lux can be achieved.

Winter (3pm) - 0° angled
Winter (4pm) - 0° angled
Equinox (3pm) - 30° angled
Equinox (4pm) - 30° angled

Summer (1pm) - 15° angled
Summer (2pm) - 60° angled
Summer (3pm) - 80° angled
Summer (4pm) - 80° angled

Millie Cheng Qian Yao - Technologies 3 Workplace Design Project - Detail Study

Millie Cheng Qian Yao - Technologies 3 Workplace Design - Materiality & Environment Study

STUDIO SKILLS

Image: Ron Aladjem (BA1 Student) - Using Models as part of the design process

STUDIO SKILLS

LORIS ROSSI
Studio Skills Lead

BA1 Studio Skills Staff
Tutors:
Kasia Nawratek
Vik Kaushal
Eddy Fox
Stephen Connah
Joe Dempsey
Amy Hanley
Kate Stott
Dan Newport

Skills Lectures:
Pete Powell
Angela Connelly
Loris Rossi
Emily Crompton
Carma Masson
Sigita Zigure
Ray Lucas

BA2/3 Studio Skills Staff
Tutors:
Siobhan Barry
Ian McHugh
Rachel Harris
Yun Wu
John Wood
Neil Allen
Ashely Hunt
Claudio Molina Camacho

Skills Lectures:
Daniel Dubowitz
Loris Rossi
José Ángel Hidalgo Arellano
John Wood
Maryam Osman
Dragana Opačić Wilkinson
Scott Miller
Vikram Kaushal

Studio Skills TA
Ariel Chesley

Studio Skills
The Studio Skills sessions are an exciting platform where students experiment with a variety of techniques in order to produce work at a fast pace, whilst improving their design skills. This year, the Studio Skills sessions were organised to generate creative inputs from analogue experiences and collect a series of design tools pertinent to the BA Studio projects. The main objective was to develop a way of thinking whereby the Skills workshop is conceived as a continuation of the typical Design Studio experience.

'Developing by making' has been the critical approach adopted in the Studio Skills by transforming the students' act of mere drawing /making into an iterative design process. As if they were in an architectural office, the students had the opportunity to enrich their Design Journal by collecting several instruments from a range of expertise and tutors. Students were engaged in various Skills activities, such as: exploring the photo collage technique, analysing a site, working with city fragments, learning by redrawing, modelmaking and photographing and most importantly testing their ideas and approach. Initially devised as a BA2 Studio support, it quickly became a comprehensive platform for all three BA years.

Socials
BA Studio Skills Instagram page:
@msa_skills

BA2 Studio Skills playlist:
https://mmutube.mmu.ac.uk/playlist/details/1_2pwosiij
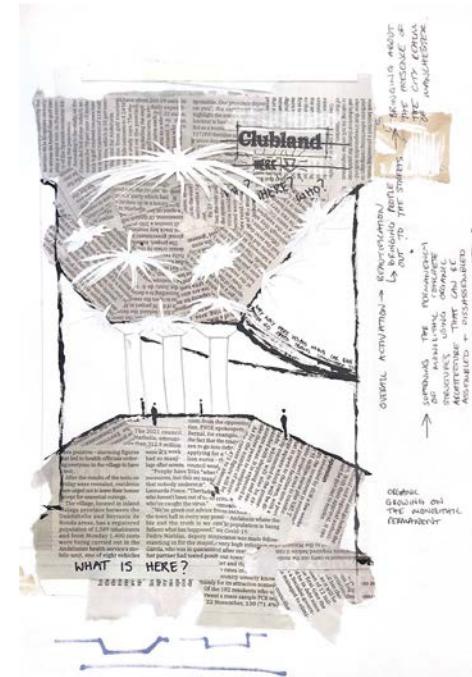
Julia Svendsen (BA3 Flux) - Design Journal

Rowdah Charbak (BA3 Flux) - Design Journal
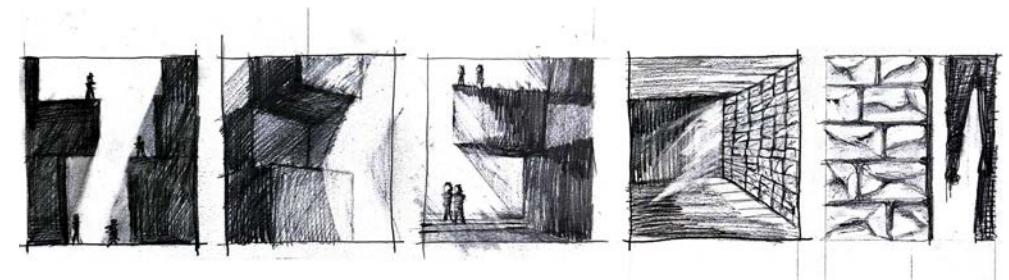
Virginia Italia (BA2 Student) - Play with brilliant
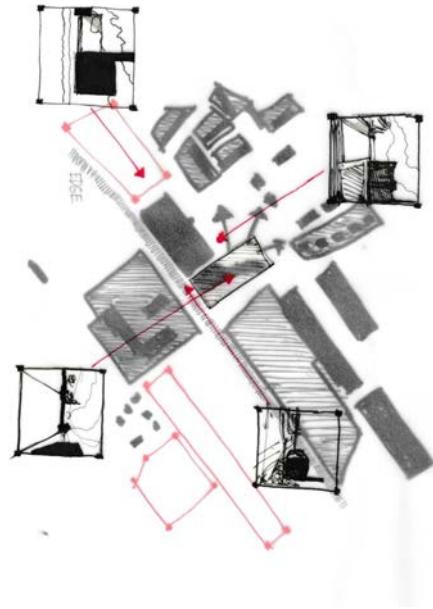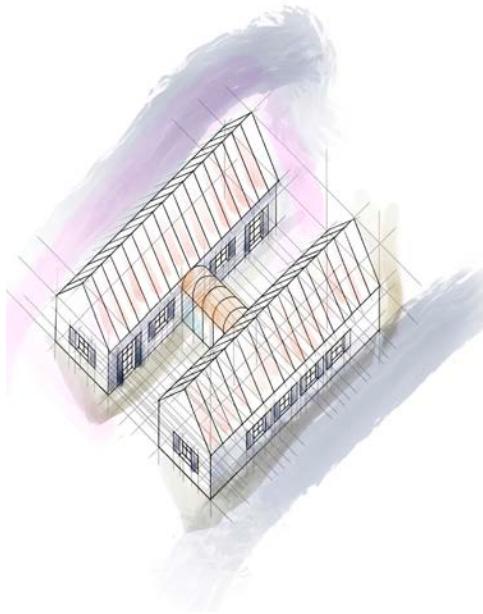
Nur Hanim Binti Norman (BA1 Student) - Drawing by Hand   Jack Prowse (BA2 Student) - City as domestic space
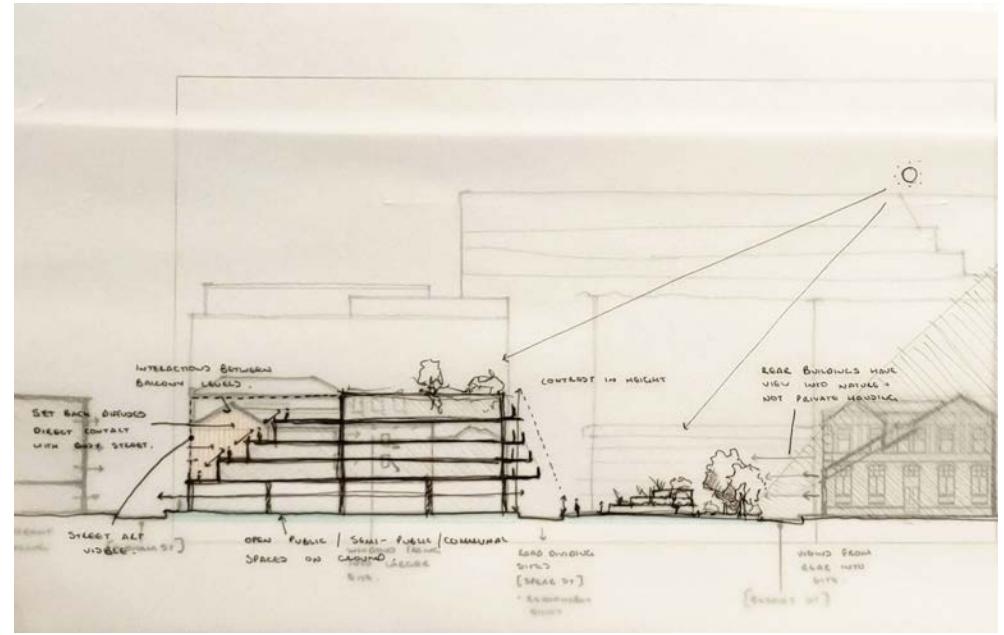
Bradley Foster (BA2 Student) - The City Section Study
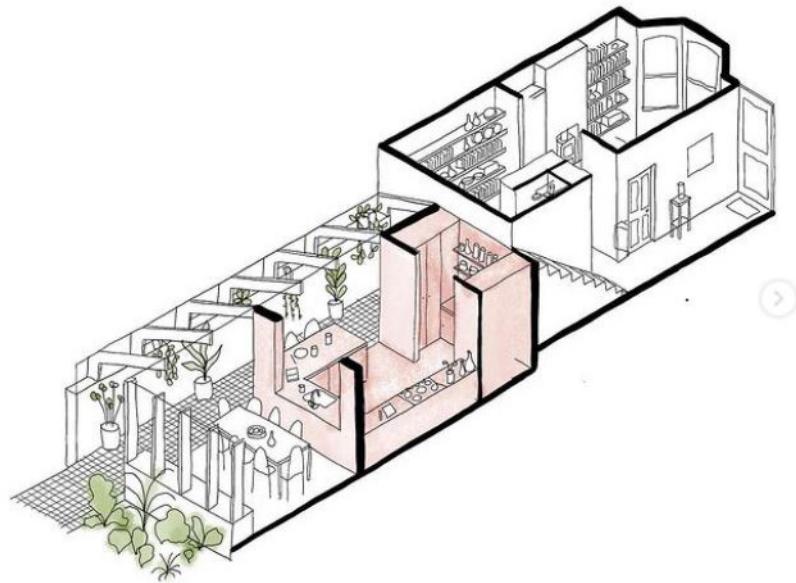
Kelvin Changroup (BA1 Student) - Starting from difference. Precedent drawing by Nimtim architects.

Ella Wheatley (BA2 Student) - Making the site

HUMANITY
THE SOURCE & SOLUTION TO ECOLOGICAL CRISIS
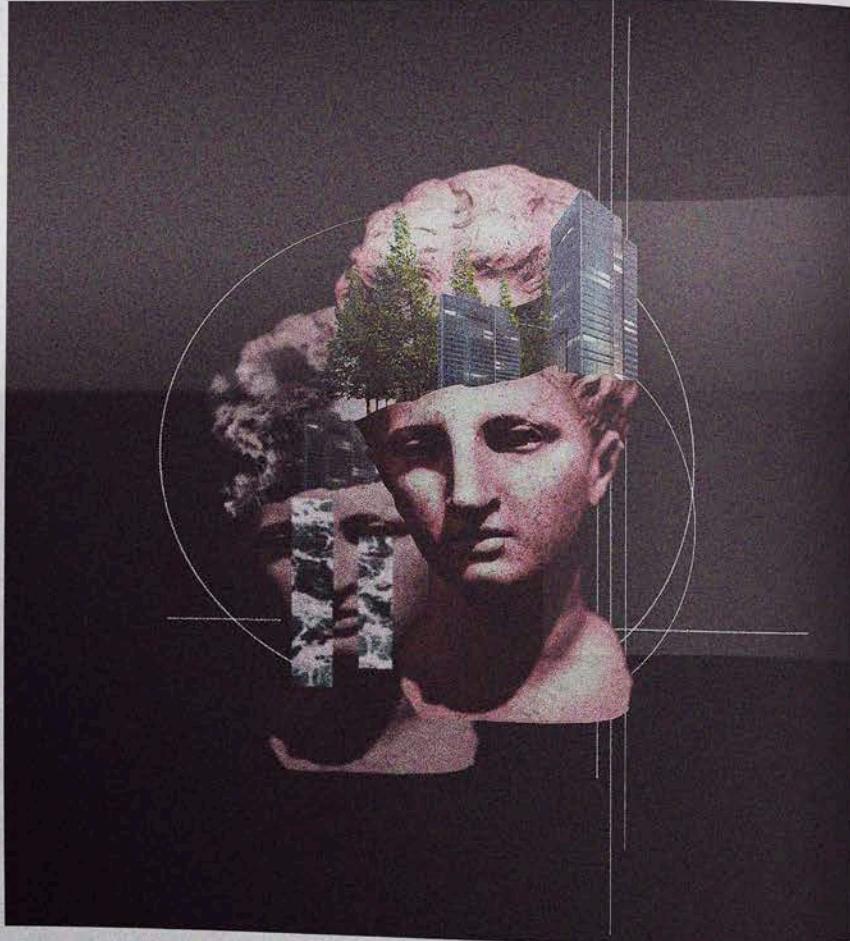
Andreea Maria Antoche
Catalina Marina Persunaru
Fanny Bois-Berlioz
Namon Thongsuwan

Cities are the epicentre of human activity, shaped by their politico-economic structure. They are also the essence of the perpetual environmental and social crisis which resulted from years of city governance rooted in capitalist urbanization.

The recent worsening public health threat brought forward the need to discuss political and social ecology within Architecture. As issues of systemic racism and social injustice rise, the most deprived communities always suffer the consequences of an underrepresented policy-making system and an overlooked built environment. To bridge this gap, the future generation of Architects needs to address the intersection between political and social ecology in the debate for climate change and confront struggles of social justice and equity across the urban continuum. Our legacy should depend on our ability to reduce divides through the power of design instead of reinforcing race, gender and class differences **The choice we make today, to discuss the lack of demographic diversity created by humans and resulting in climate change, should be the first step to coordinate design with policy solutions.**

Scientists have proved that human activity considerably accentuates the decaying of our environment, but one must ask **where and how have these issues originated?**

Urban Political Ecology is a concept that considers the intertwined socio-economical, political and ecological factors that have an impact on the urban environment, as well as its contribution to the current ecological crisis (Heynen, 2014). The study of urban metabolism contributes to understanding the parasitic relationship between urban environment and nature while evaluating the impact of the resources that the city consumes, what it produces and what results in growth and waste. Its uneven configurations across the globe convinced scientists to consider both natural and social factors as a creation of gentrification, food and air pollution (Heynen, 2014). Their impact on our society demonstrates what the author Bookchin argued in his publication: the ecological problems that humanity faces originated from well-established social disparities (2006).

The urbanization of cities, occupied by more than half of the world population, produces 70% of the greenhouse gas emissions. As future architects, it is crucial to mention that this pollution is partially caused by manufactured products used in the building industry.

Why is there a need to produce such materials if they have a high embodied energy? The answer lies in the relationship between rooted social exclusion of lower-income population and the need to produce rapid and inexpensive construction. New design strategies that require materials with lower-embodied energy and less thermal conductivity are valuable solutions to this problem and they have a significant impact if considered in the incipient stage of the design process. These methods could adapt to the ever-changing climate with non-mechanical shading systems and passive ventilation in case of extreme temperature variations. At best, these can be supplemental solutions, if given adequate support from multiple sources, but they should not be the only reactions from architects.

Considering the intersectionality between social issues and climate change, one must recognize how social issues such as racism, sexism and economic disparities, have a direct impact on our environment. **Countries with the highest level of carbon dioxide emissions are the least affected by climate change, but usually, prosper economically.** This points to a step back to racial, social and gender balance in decision-making. How can we expect decision-makers in a wealthy Western country to not base their policymaking and programming on money and profit? Megacities represent the unfitting conflation and the failure of collective initiatives to engage with the public, resulting in a big change in the public architecture of the city. Inner-city has created the barrier and become alienated into the three distinct sectors with unfair relations: hives of private cells where circulation replaces community for the majority, skyscrapers for the privileged, and slum or shanty town for the minorities (Schismenos, 2020). Green spaces are mostly occupied by car park space. **The spirit of local street and community shrivelled away, meaning the mutual connection among nature and society is also broken.** In this case, private contributions and assigning development areas could possibly address this issue by providing concessions in environmental regulations, as well as imposing restrictions for those future constructions and developments for the common good.

This is a call to action! We must acknowledge that the greenhouse gas emissions from the built environment have consequences beyond climate change that present a higher risk for socially excluded communities. Architects and not just students, need substantive knowledge of science to adapt the performance of buildings to the changing programmes and environmental conditions. We must aim to develop housing schemes that are affordable for socially excluded communities, construct safer houses in areas with a high environmental vulnerability, and bring security into unsafe neighbourhoods. In light of the current health threat, it is essential that stakeholders decide upon policies that satisfy the needs of the most vulnerable now, without hindering those of the future.

Bookchin, M. (2005). The Ecology of Freedom. Oakland: AK Press.
Heynen, N. (2014). 'Urban political ecology I: The urban century'. Progress in human geography, 38(4), pp. 598-604.
Schismenos, A. (2020). Direct Democracy, Social Ecology and Public Time. The right to the city and social ecology : towards democratic and ecological cities. Montreal: Black Rose Books.

CLIMATE EMERGENCY STATEMENT

Image: BA2 Manifesto - Andreea Maria Antoche, Catalina Marina Persunaru, Fanny Bois-Berlioz, Namon Thongsuwan

CLIMATE EMERGENCY STATEMENT

ANGELA CONNELLY
Climate Emergency Statement Lead

We are facing a climate and biodiversity emergency which architects, landscape architects, and urban designers have a moral and ethical duty to address. At the MSA, we already have innovative teaching and practice that addresses the climate crisis but we need to go further to address the gravity of the situation and to ensure that any responses to it do not exacerbate existing social and ecological injustices.

The academic year 2020/21 saw the MSA publish it's position on the climate and biodiversity emergency which signals the way that we are radically restructuring our teaching delivery to ensure that the issue is embedded throughout our programmes. The Manchester Student Society of Architects also established it's Climate Action group which is affiliated with Architects Climate Action Network (ACAN) who are pushing for curriculum change. We have also contributed to industry guidance and campaign groups to ensure that climate literacy becomes embedded throughout architectural education.

Next year, we will begin the process of transitioning to RIBA's new education Themes and Values on climate literacy and ARB's guidelines on sustainability for the profession. We will continue to weave in activities that place the climate and ecological emergency at the heart of our teaching and practice. And we will do so in a collaborative, just and pluralistic manner.

BA2 Manifesto - Ella Wheatley, Abid Farhan, Fraser Matthews and Iwan Toft

MASTER OF ARCHITECTURE

MASTER OF ARCHITECTURE

SALLY STONE
Programme Leader

Programme Leader
Sally Stone

March 1 Leader
Laura Sanderson

MArch 2 Leader
Vicky Jolley

The end of the academic calendar is always the opportune moment to reflect upon what has been achieved over the last twelve months. And what a year it has been! Enforced lockdown, working from home, and digital interaction with worldwide communication across many time zones have all been endured and enjoyed. The programme has refused to be assaulted by the global pandemic, the students have not been daunted by such circumstances and the staff have risen to the challenge. The MArch has adapted methods of teaching and learning to accommodate this extraordinary situation, we have creatively responded to the pandemic and developed strategies that encourage endeavour, promote wellbeing, and support scholarship.

Students have been reassured and emboldened to embrace the situation, not to mourn the lack of physical interaction but to enjoy the nearness that virtual interaction can provide.

We have conducted group projects from different continents, have collaborated through the Internet, and resolved problems across oceans. We have always encouraged group working and collaboration, and this year, as always, we have welcomed visitors from many countries and different time zones, and actively enjoyed the diverse attitudes brought by distinct cultures.

The MArch programme is proud of its northern roots, to be situated in the heart of Manchester and part of the ever more influential Northern Powerhouse. The links that the course has with the city through the profession, through the council and other organisations and of course through the local people are something to be immensely pleased with. But given these local connections, the programme also has an international outlook; over 40% of the MArch students are from overseas. We have students from China, Hong Kong, Japan, Malaysia, Singapore, India, Pakistan, Bangladesh, Nepal, the Middle East, the USA, Nigeria, and of course, across Europe from Finland to Greece.

Our annual Open Review was truly international this year with visitors making constructive and critical comments from the USA, China, and South America as well as from across Europe, the whole of Britain and of course, lots of interested and interesting professionals from Manchester. Equally the participating students were similarly scattered – some are based in Manchester, but many more have been learning remotely all year.

The Ateliers have international connections, whether these are collaborations with remote universities, competitions in foreign climates, and projects focussed upon different cultures. The research informed outward facing atelier system has excelled in the closeness of the digital environment. It has allowed many more visitors to virtually interact with the programme, visitors who may not otherwise be in a position to travel. The seven ateliers allow students to develop their own trajectory through the programme. The system supports the focussed development of the individual student. Thus the suite of ateliers provides richness and diversity combined with an ethos of transparency, openness and sharing.

The research-through-design projects that all students complete in their first year underpin the programme. This fundamental reinforcement allows the students to pursue their own interests in the second year, thus graduating with an agenda for their future professional life. The agenda that all students develop is supported and reinforced through the dissertation and research methods units. These research-informed projects definitely encourage deep enquiry and develop skills. While the overriding concern of the MSA Live project is to create social impact. It is student-led and unites the first year Master's students with first and second year undergraduates in a festival of design and outward facing interaction. This year this programme was completely virtual, and so from the safety of their own homes, approximately 600 students worked with over 40 different partners to create two weeks of intense boundary pushing and beneficial projects.

Climate change has always been a driving element and is certainly embedded within the academic curriculum of the MArch programme. Not always through overt biometrics, but often much more subtly. Adaptive reuse of existing structures is inherently sustainable – less resources are needed, communities are retained, skills are preserved and the buildings updated for the needs of a 21st century population. Every single MArch student engages with the remodelling of existing buildings, all grapple with the fundamental problem of the relationship between old and new, and each develops an individual strategy for adaptive reuse. Housing and the requirements of changing populations are also tackled by all students during their first year on the programme. Differences in climate, locations, and needs are explored. The necessity to address climate change is a fundamental part of the programme; it is something that all students need to embrace, to fight for, and to develop creative methods for addressing.

The Programme has hosted a number of symposia. Invited speakers discussed subjects ranging from innovations within the adaptation of existing buildings, differing attitudes towards climate change, and creating atmosphere within architectural drawings. The teaching of Advanced Digital Design also moved entirely online. Informative recorded instructional sessions were supplemented with bookable one-to-one discussions with tutors. Thus the intensity that virtual interaction brings to all conversations has been fully exploited this academic year.

It was lovely to be able to invite recent graduates straight into the MArch programme. These students would normally expect to spend at least a year in practice between their undergraduate and post-graduate degrees, but given the understandable slowdown in the profession many chose to immediately continue with their education. To accommodate the lack of experience created by the want of professional practice, the programme has developed the Preparation for Practice (PREP) collection of activities. This includes an intensive week of meetings and talks with architects, summer-study sessions with professionals, and opportunities for practice observation. Given the on-going world-wide situation, we will offer the same opportunity to this year's graduates. This supplements the regular professional networking and engagement events that the programme always stages.

The MArch programme has been gradually accommodating a vast increase in the number of students. To put this into context, just six years ago 80 students were recruited into the first year of the MArch, this year we welcomed over 260. Again the need to conduct tutorials and lectures virtually meant that it was quite straightforward to accommodate the increase. As we start to look forward to next year and the probable return to campus, it is good to know how successful this year has been, how we have worked so very hard to accommodate the situation, and how despite the circumstances it has been thoroughly enjoyable. What is important is to retain the good bits, build on the successes of enforced lockdown, and embrace the easy connections it has afforded. But saying this, it will be a great joy to be able to converse naturally within a crowded studio, serendipitously bump into people in the café, and actually physically pick up a well crafted model of a building.

This is my last year as the Programme Leader. After seven wonderful years I will step down at the end of this term. It has been an eventful journey. The programme has been transformed from an already thriving course into a highly successful, oversubscribed, outward facing, internationally relevant programme with a streamlined organisational system, contented academic staff and highly ambitious students. This was achieved through innovations in teaching, a radical overhaul of the structure, and the encouragement and trust that I place in my academic team. This successful approach has directly informed the elevated position that the school has recently occupied in the QS rankings. It has been a blast, but I know that the ambition, success, and thorough intellectual aspiration will continue, albeit in their own direction, with the Leaders elect: Vicky Jolley and Laura Sanderson

Sally Stone May 2021

&RCHITECTURE

MARK HAMMOND
Atelier Lead

Staff
Jamie Ashmore
Angela Connelly
Joe Dempsey
Edward Fox
Mark Hammond
Emma Haward
Sam Holden
Victoria Jolley
Kasia Nawratek
Stefan White

Collaborators
Jos Boys
Ben Blackwell
Sara Bubusara
Stephen Buckle
Katy Cardwell
Chloe Chan
Tobias Corry
Matt Cox
Serena Dias
Richard Dowdall
Jenny Ferguson
Christine Guan
Anahita Mohammadkhani
Christopher Myk
Adam Najia
Phillip Hall Patch
Jane Perry
Frixos Petrou
Cagri Sanliturk
Joseph Smith
Jessica Spencer
Joe Stancer
Peter Wilson

MArch 1 Students
Adeyinka Adedunni Adebiyi
Laura Jane Aspinall
Yoanna Barzeva
Jessica Bell
Kamila Bochenska
Caitlin Boyd
Christian Anthony Cunha Brown
Sing Hong Chau

Jack Francis
Max Ferguson Frost
Matthew Galan
Anna Gleis
Oscar Francis Henery
Wang Jianyu
Jobey Keene
Tala Khouri
Sook Wai Lee
Muhd Danial Liew Bin Mohd Amin Liew
Siyuan Lin
Luvsansambuu Luvsansambuu
Ximai Ma
Beena Nouri
Athena Pantazis
Megan Pledger
Trisha Pradhan
Chen Qi
Samuel Andrew Sayle
Tim Scopes
Seyed Ilia Jalilazar Sharabiani
Si Taiming
Luke Thomas
Alice Mana Wilson
Ma Yanran
Yang Yuxi
Zhang Zhengyang
Muhammad Ifwat Bin Zunaidi

MArch 2 Students
Lok Kan Katie Au
Binyu Binev
Ariel Helen Chesley
Abigail Colder
Amanda Jia Yun Chua
Emily Hagger
Philippa Jane Humphries
Sung Jie Koh
Cheryl Jade Leung
Nestor Jose Ruiz Medina,
Kiran Milton
Cezara Misca
Adil Mulk
Aifa Binti Muthuraman
Yoon Chan Nam
Dalia Qistina Binti Mohammad Nasaruddin

Benedetta Nigro
Andrius Ovsiukas
Yuet-Wah Poon
Kaja Marta Sandura
Siti Nur Syahirah Binti Shukri
Anya Hristova Tineva
Harry Westwood
Tianyi Wen
Hiu Tung Wong
Ka Hei Wong

Masters

"… while we are all floating on the same sea, it is clear that some are in superyachts while others are clinging to floating debris" - Antonio Guterres, UN Secretary-General, 2020

Covid-19 has amplified long-standing inequalities across the globe, bringing the multi-faceted exclusion that many people face into sharp focus. &rchitecture seeks to understand the potential for architects to affect positive change through inclusive and engaged practices. In doing this, we attempt to reconcile who we are as people with what we do as architects, rather than fall into habitual norms and practices that perpetuate many of the inequalities that are evident in society.

In M.Arch1 we undertake interpret 'professional studies' not as the simulation if an architect-client relationship, but the use of use professional processes, skills and techniques to justify new forms of practice. In MArch 2, students develop individual thesis projects based on an issue, cause or consequence of social exclusion that interests them. They explore these questions through the development of non-linear, productive and iterative design research methodologies, ranging from physical prototyping to augmented reality games. These intuitive design methods engage with and clarify research questions as a technique to support routine challenging of biases and presumptions.

PS1

Professional Studies 1 and 2 will explore the potentials for new models and typologies that better address the conditions of exclusion and inequality that Covid-19 has made unavoidable, but which have existed for years.

We are not designing responses for the short-term (i.e. for social distancing), but instead will look at social, economic, environmental propositions which respond to the structural inequalities in society, both in the UK and across the globe.

In PS1 students were asked to identify a group of people in their hometown who are disproportionally impacted by Covid-19, and to design a housing community that addresses the specific experiences of exclusion that they face. The students explored the role of housing as a central component of inequality, and developed different models of collaborative, interdependent housing in response. The international focus of PS1 allowed students to share the social, spatial and architectural challenges local to them, learning from each other's experiences as a means of understanding and tackling the perpetual global housing crisis.

PS2

In PS2, we questioned whether an increasingly exclusionary society be challenged without first addressing the notion that inequality can be solved simply by producing 'more' stuff – the unconvincing orthodoxy that in a world of excess, everyone will get enough. On the contrary, recent history has shown that the constant push for GDP growth above all else has led to natural destruction and human (and animal) exploitation, and an unequal distribution of the benefit. In PS2, we will explore the architecture of degrowth – a possible future driven not by accumulation, but by new collective relationships. In groups, students explored one of six themes; rights, production, family, technology, play and distribution. Each group will develop their own programme for the site, proposing a series of non-residential spaces and associated public realm.

Our site is Manchester Abattoir in Openshaw, Manchester - a series of 1960s concrete buildings that were once the most technologically advance abattoir in Europe when opened but quickly proved to be unfit for modern commercial environment. In keeping with the degrowth agenda, students were challenged to reuse the existing structure and develop technical and environmental strategies that addressed issues of waste, reuse and carbon cycles (as well as human behaviour).

Cezara Misca - Generating magic in the city
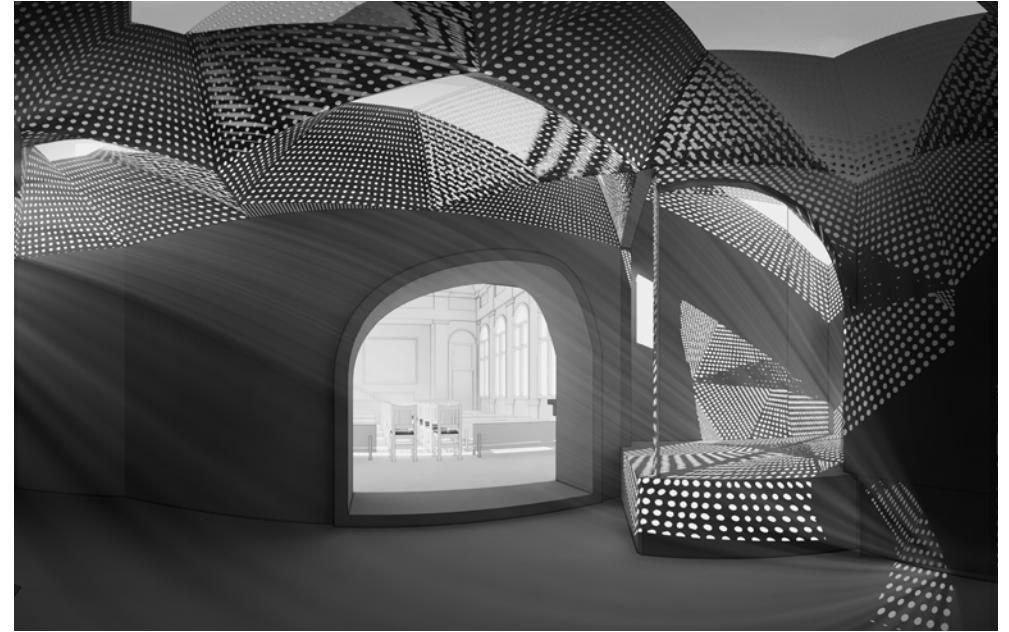
Ariel Chesley - Radical Incubator: A virtual reality exhibition to generate historic empathy with radical movements

Binyu Binev - Stimulating an inclusive Architecture Practice and Education using Entrepreneurship Approach

Amanda Chua - Reframing Junkspace: A new typology for student accommodation

Abigail Colder - Reclaiming Urban Territory: Rewriting the Narrative of Gendered Urban Experience

Emily Hagger - From Crisis To Community: Using polyphony to address stigma and funding within mental health

Koh Sung Jie - Kuala Lumpur's Hidden Absurdities of Perpetual Growth

Kiran Milton - Hype Architecture - A critical approach to housing design for millennials
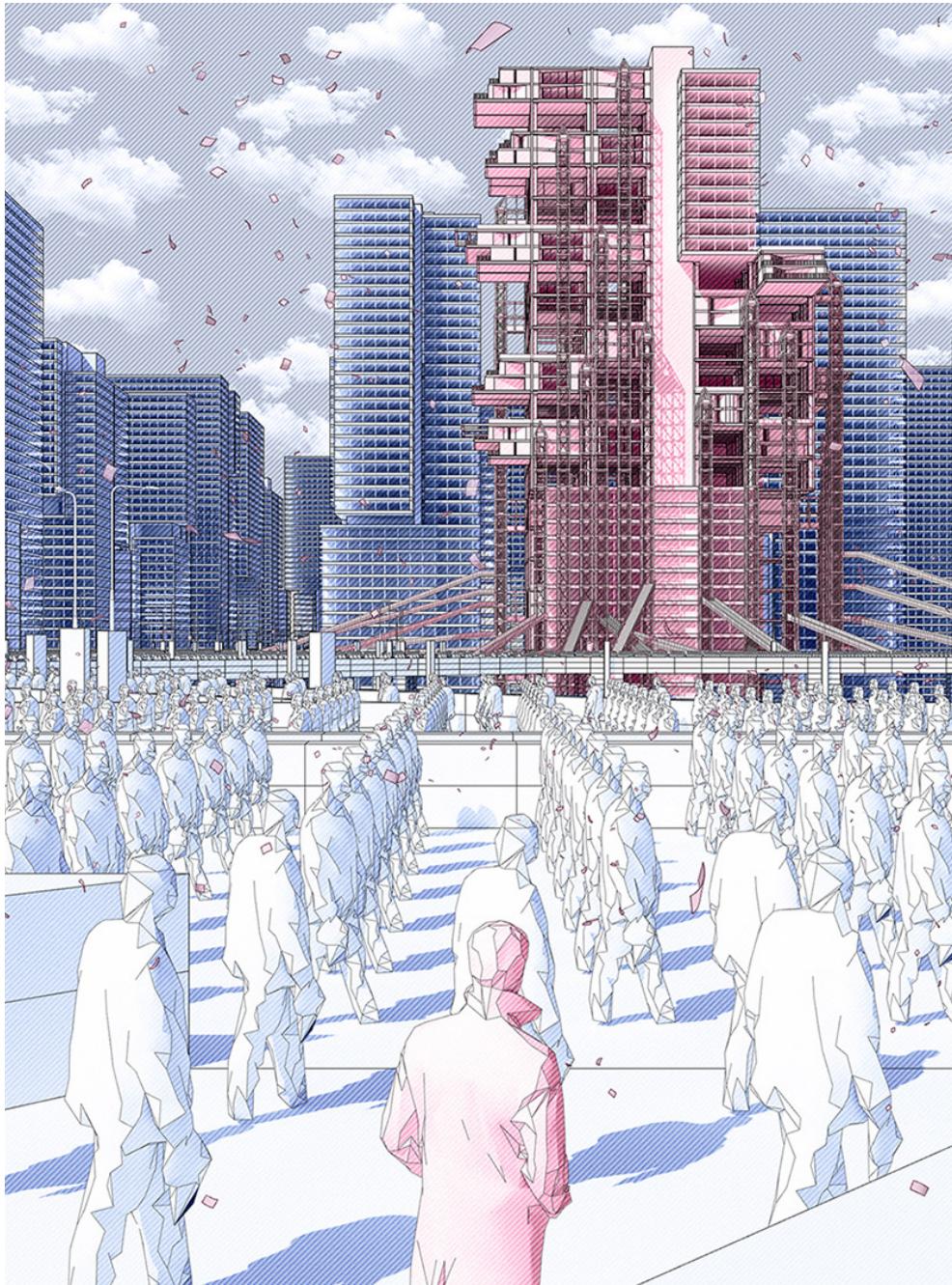
Yoon Nam - The Alone Tribe: Transformation of Seoul through Voluntary Isolation
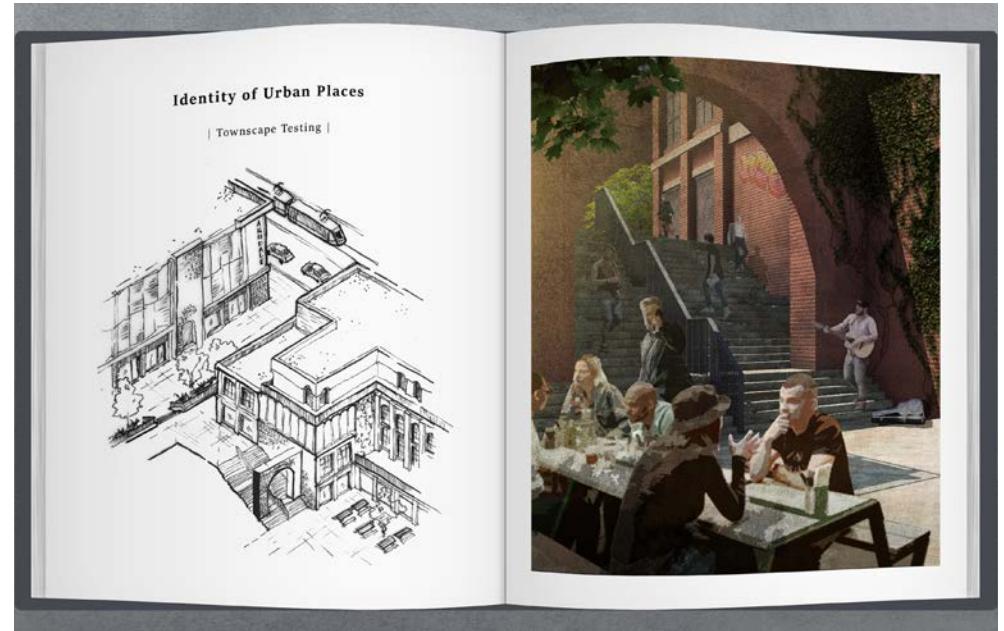
Andrius Ovsiukas - Identity of Urban Places: generating a place-specific townscape

Crystal Poon - PlayHouse: The breathing room for cage dwellers in Hong Kong
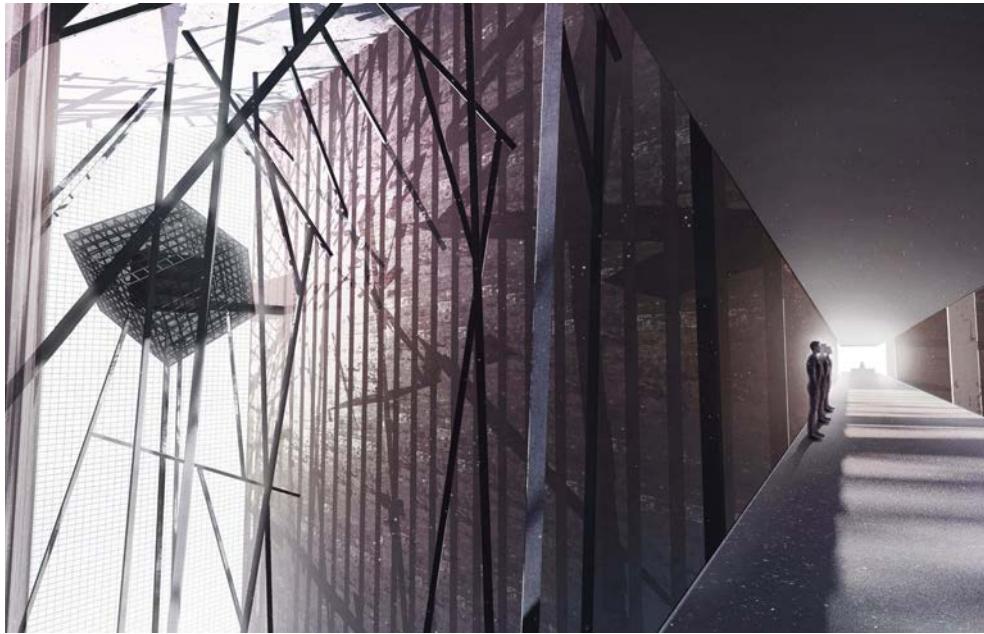
Kaja Sandura - The Perception of Distortion: Storytelling anxiety through the deconstructed architecture of the city

Syahirah Shukri - R[eco]nnecting Temuan: A self-sustained ecotourism project for indigenous Temuan tribe

Harry Westwood - Phygital Manchester: An 'Escape' for the Mind

Anya Tineva - Down Memory Lane: Designing inclusive public spaces through personal and collective memory

Lok Kan Katie Au - City of Odds: When Unequal Territories are Narrated in Immediate Juxtaposition
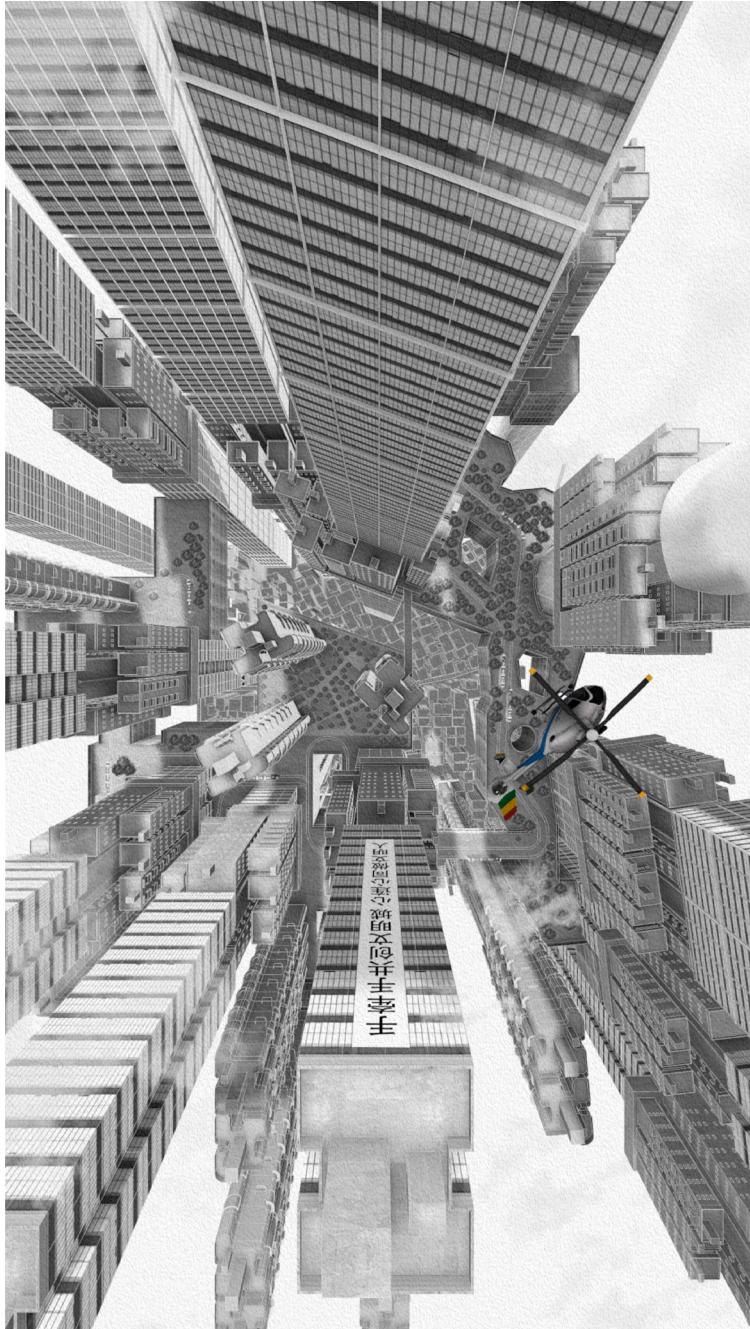
Tianyi Wen - The inclusive pecuniary spatial ideology

Nestor J Ruiz Medina - Migration Is Not a Crisis Revisiting liminal typologies inhabited by sub-Saharan migrants
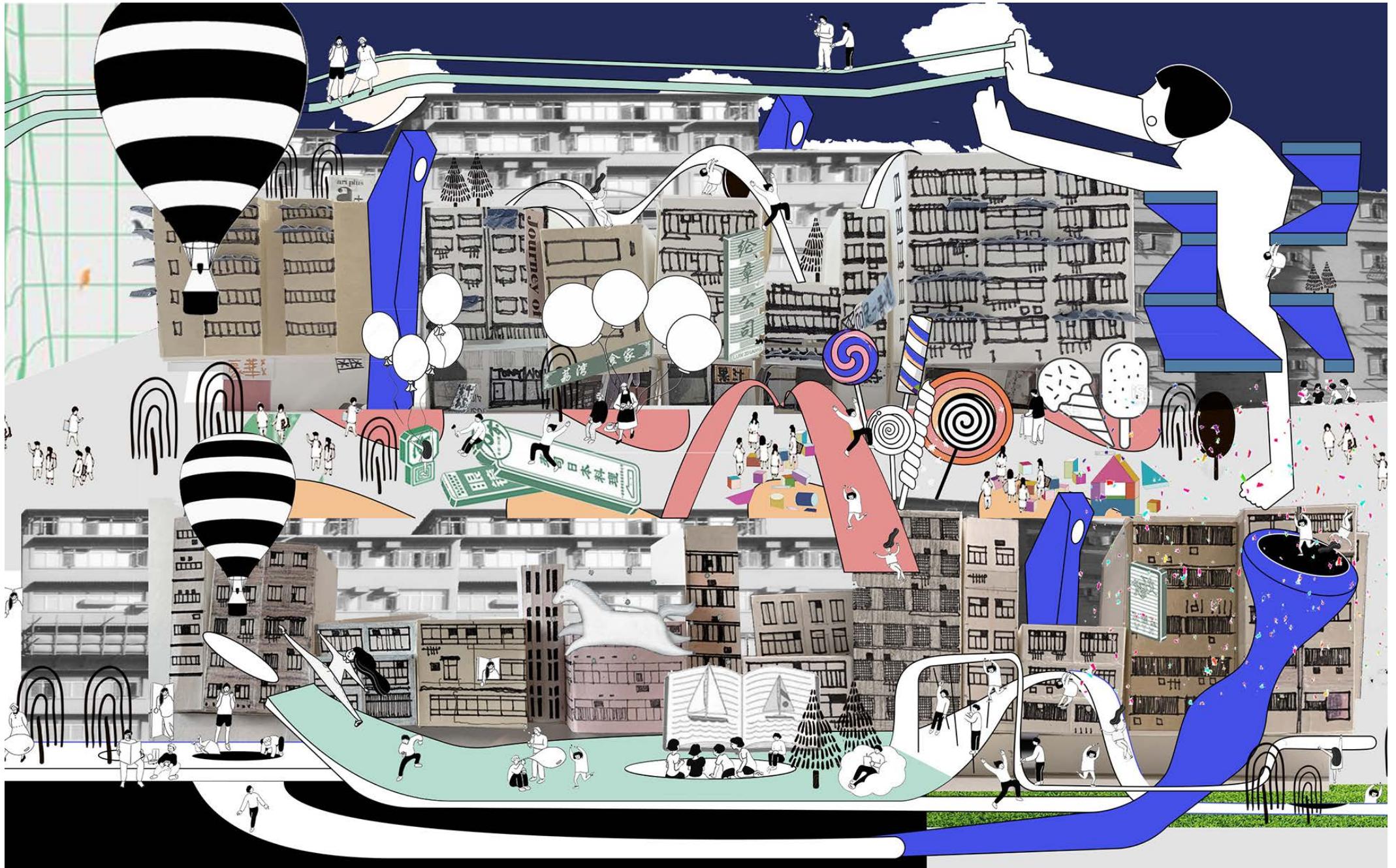
Veronica Wong - Urban Space for Urban Childhood

ADVANCED PRACTICE

Image: Zakaria Islam - Cymatic Ornament

ADVANCED PRACTICE

MATT AULT & AMY HANLEY
Atelier Leads

Staff
Matt Ault
Amy Hanley
Neil Allen
Kyle Reid
Stephen Wall
Patrick Drewello
Ian McHugh
Yusuf Adams
Ola Uduku

Collaborators + Consultants
Marios Tsiliakos (Foster + Partners)
Jeremy Kim (Foster + Partners)
Tim Gibbons (Fieldwork Architects)
Kevin Flanagan (PLP)
Dave Green (Simpson Haugh)
Mario Dreossi (BDP)
Valerio Stuart (WSP)
Florence Collier (Humble Bee)
John Palmer (Passivhaus Trust)
Kirsten Henson (KLH Sustainability)
Mariana Albano (NHS Estates)
Martha McSweeney (McSweeney Architecture)
Alice Parker (Pozzoni)
Imogen Holden (Sheppard Robson)
Charlotte Phillips (Sheppard Robson)
Nin Khoshaba (Hive Projects)
James Wilford (AFL)
Andy Rain (Curtins)
John Elliott (Arcadis)
Nicle Evans (Arup)
James Devan (Arup)
Neil Thomas (Atelier One)
Joren Heise (Urbed)
David Rudlin (Urbed)
Justin Wickham (KarmaNutra)
Conrad James (KarmaNutra)
Guillerma Cabrera Walsh (KarmaNutra)
Anapuma Kundoo (Anupama Kundoo Architects)

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Iman Habib

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Noson pearl,
Afrah Bathsha
Aaron Smith
Jeffrey Lim
Nuwar Darwish,
Yili Zeng
Cherilyn Chia(Cherilyn)
Aaishwarya Jain (Ash)
Adwoa Botchey (Adj)
Tasawar Rahim (Tas)
Hieu Trung Tran (Hieu)
Jemma Baldwin (Jemma)
Maria Gorreth Tavares Duarte (Maria)
Farah Nadhiera Binti Mohammad Fuad
Syahirah Hanis Binti Abd Ghafar
Isabel McCauley,
Jack Whitehouse
Yasha Javan
Mohd Azreen Bin Mohd Hambali
James Chant
Tong Gao
Dominic Street
Wenze Xie
Enis Tan Ulman
Nadya Yordanova
Ismael Zaman
Ryan Dunkley
Zhanyuan Gao (Jen)
Gi Lok Ho
Lukas Gedeikis
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Adriana Tomeci
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Oana Neacsu
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Emily Cheung
Liam Kristian Costain
Patrick Charles Davies
David Faminu

Heston Harris
Zakaria Islam
Wojciech Jankowski
Aslan Gabriel Lewis
Chor Yu Ma
Szymon Konrad Milczarek
Hannah O'Neill
Samuel Ejaye-Uzhieka Okoh
Kelvin Pang
Holly Rhiann Partlett
Luke Richards
Yashovardhan Sharma
Alex Ching-Nam Tam
Tsz Ching Wong
Ovidija Zemaityte
Thandokazi Vuyokazi Zitumane

Advanced Practice
The atelier is conceived as a think tank and test bed- a platform for research and experimentation in architectural design and is concerned with holistic understandings of design and sustainability in light of the significant challenges of climate emergency.

Within the evolving context of advanced architectural practice our interest lies in the interaction between technology and people, in the design and delivery of environments that support the needs and activities of contemporary and future society, in a creative, positive and equitable way.

We engage and collaborate with specialist consultants and local community groups in response to live briefs as well as international competitions. All projects explore contemporary and novel design methods and material performances in tectonic and spatial propositions. Testing occurs in application to a specific programmatic brief and this year's projects explored dimensions of sustainability and change over time.

PS1 projects considered the future of sustainable residential typologies through the Solar Decathlon competition for the US Department of Energy with two teams selected as finalists. PS2 projects explored health and well-being, social and environmental sustainability via proposals for a health campus in North Manchester.

Studio thesis projects begin with collaboration with a live client in Mexico, exploring sustainable design principles and ecologies. Thesis projects then developed these ideas, applying techniques and understandings of material performance to a range of scales, typologies and international contexts. Projects ranged from detailed technical studies of facades and construction to masterplans and urban scale interventions. All projects adopt and integrative and holistic definitions of sustainability.

PS1
PS1 projects considered the future of sustainable residential typologies through the Solar Decathlon competition for the US Department of Energy, with two teams selected as finalists. The project tested the efficacy of prototype designs. Each student team identified replicable design strategies that could significantly improve UK, Malaysian & Australian housing for both existing and new builds. A trend towards post-pandemic home working raised questions about what a sustainable home can be. Lively weekly seminars and discussions alongside in-depth tutorials define our studio culture to support independent thinking and open inquiry.

PS2
PS2 projects explored health and well-being, social and environmental sustainability through the creative exploration of the Net Zero Carbon North Manchester Health Campus; a live project focused on transforming health outcomes for residents of North Manchester. Advanced Practice had weekly studio sessions with the NHS design team, which provided unique insight into the dynamics of a live project from the architects, engineers, project manager and cost engineers involved. An outcome of the student's engagement has been the creative inspiration into a live project. The Masterplans illustrated the programmatic and physical links that architecture can help make between acute healthcare and well-being in the city. Many of the projects explored the reuse of bricks from the demolished buildings on-site to reduce waste and explore the possibilities of this versatile construction material.

The Cymatic pavilion itself is a simple build made up of a maximum of 5 key elements. The five key components expresses the natures of the 5 pillars in Islam. It is to add more significance to how this form was related/ generated by the sounds of the Quran.

What are the **5 Pillars of Islam** and what do they mean?

- **Faith** - The belief that "There is no god but God, and Muhammad is the Messenger of God"
- **Prayer** - (Salah)
- **Alms** - Zakat or charity
- **Fasting** (sawm)
- **Pilgrimage** (hajj)

(5 Pillars of Islam - What are the Five Pillars? | Islamic Relief UK, 2021).

Zakaria Islam - Architecture, Sound, and the search for a 'Spiritual Revival'

Zakaria Islam - Architecture, Sound, and the search for a 'Spiritual Revival'

Timber Shading Louvres

1a. Connection Screws
2a. 33mmx46mm Extruded Aluminum Top Track
3a. Rollers
4a. 20mmx33mm Timber Louvres

VAULTING SEQUENCE

1. Collect & sort bricks
2. Cut bricks into brick slips
3. Create vault contours (vertical interval = 2m, horizontal interval = 1m
4. Create timber formwork using reclaimed timber
5. Place brick slip on the tangent plant
6. Rotate brick slip around the Yaw axis
7. Lay first layer of brick slips (herringbone bond most preferable)
8. Layer subsequent layers
9. Remove formwork

(Vault divided into a theoretical mesh to base the formwork off)

COMMUNITY PARTICIPATION

- Anyone can learn how to build it (i.e. all ages, genders, skills sets)
- Using the same methods as the Village Green Pavilion, therefore community members will already have elementary skills

BRICK PATTERN:

Herringbone =most preferable (provides double interlocking in two directions, preventing vertical compression and possible horizontal shear)
Alternatives: chevron/ running/ oblique

Battens placed at frequent intervals to fix the exterior tile finish to

Gravel layer to collect residue moisture

Residue moisture then directed to a down-pipe, located in the cavity between the insulation and the external colonnade

Insulation fitted between the timber blocks , therefore mitigating the risk of a cold bridge

Colonnade gutter concealed behind a brick will tapered layer

Rodica Earmacov, Alina Marinescu, Iulia Nastasache, Oana Neacsu, Adriana Tomeci & Neda Vaiciulyte - Urban Oasis

Liam Costain - Impermanent Urbanism: Biodegradable design for sustainable development

Alex Tam - BDMCR (Big Data Manchester)

Iathei Chan - Espacio Discrete - Digital Timber Architecture

Heston Harris - Modular Re-use of the UMIST Campus
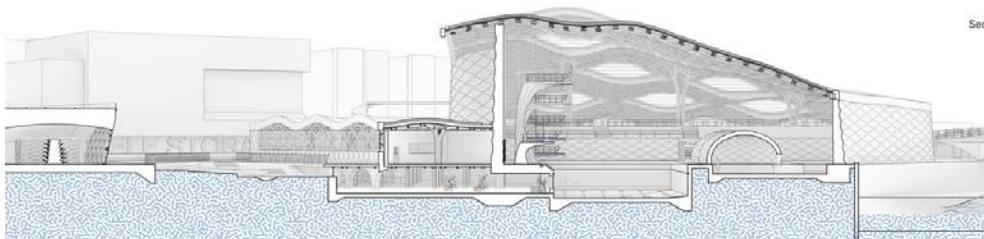
Aslan Lewis - Life Support Centre
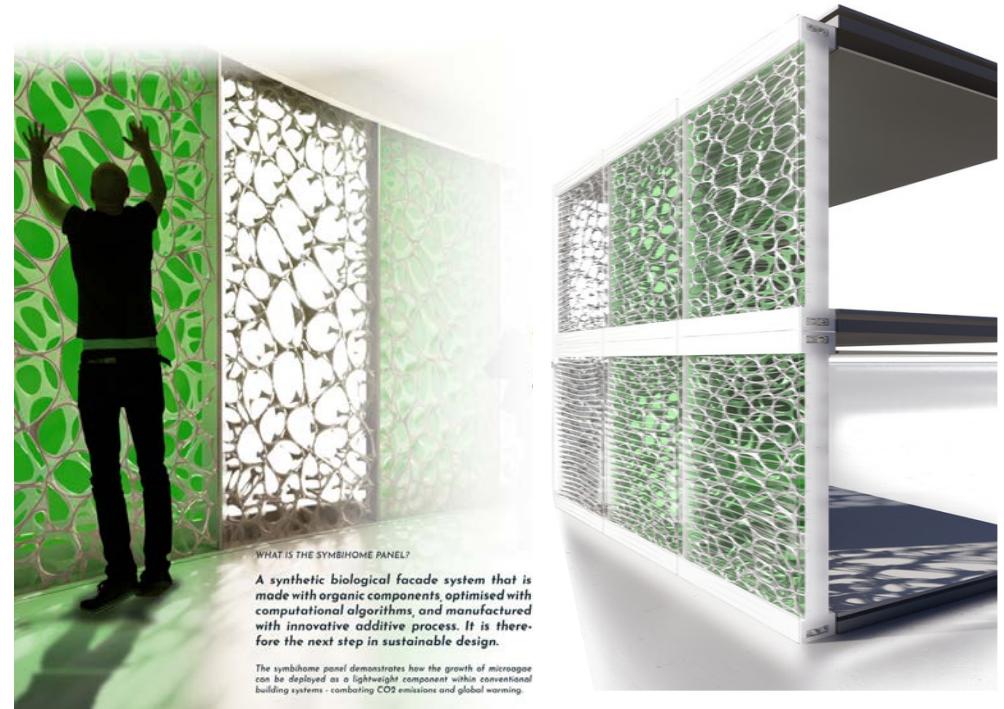
Solomon Adebiyi - SYMBIHOME Campus
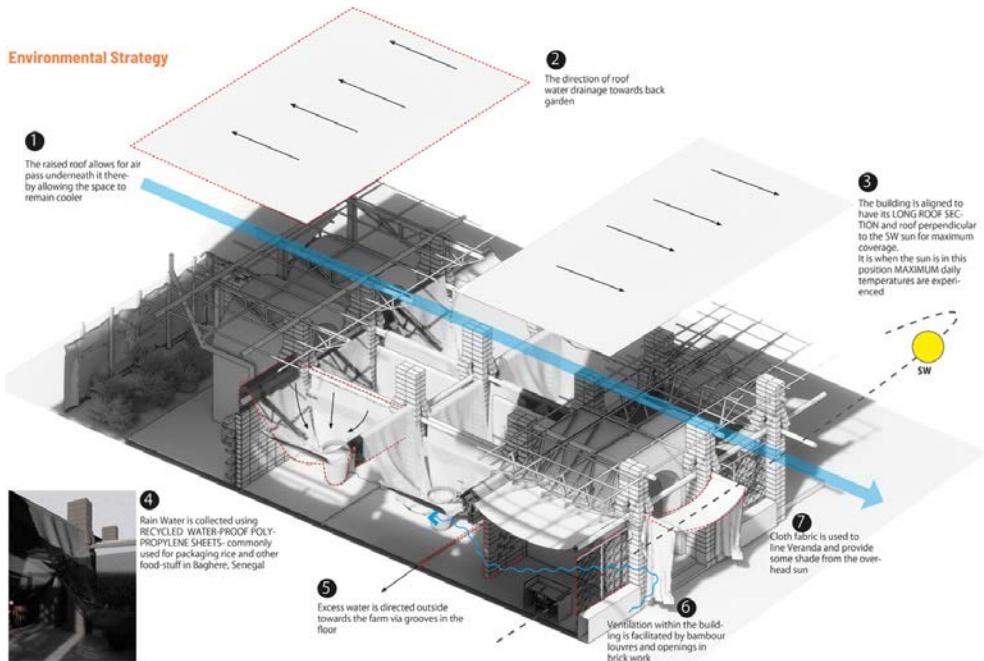
Samuel Okoh - Mothers' Embrace
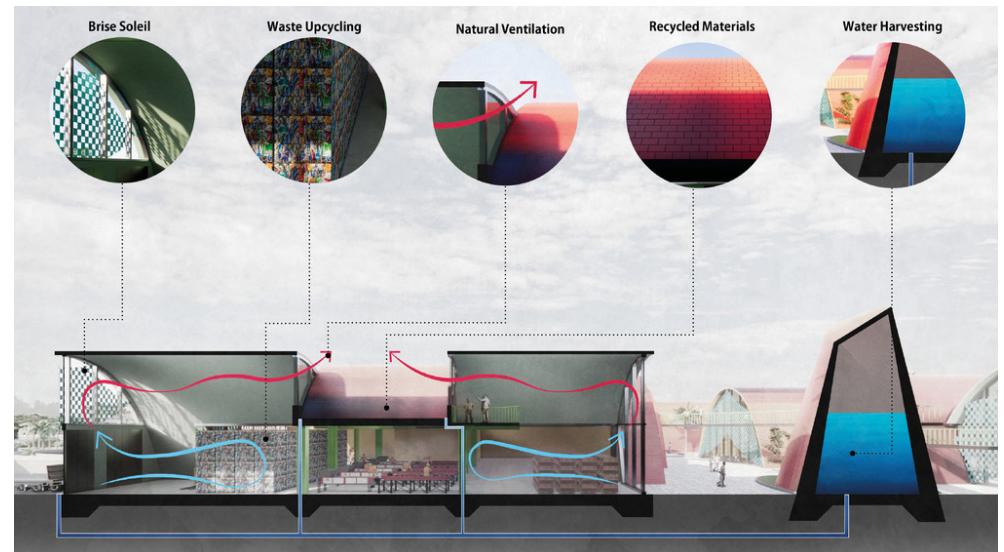
Szymon Konrad Milczarek - Waste-to-Architecture Factory
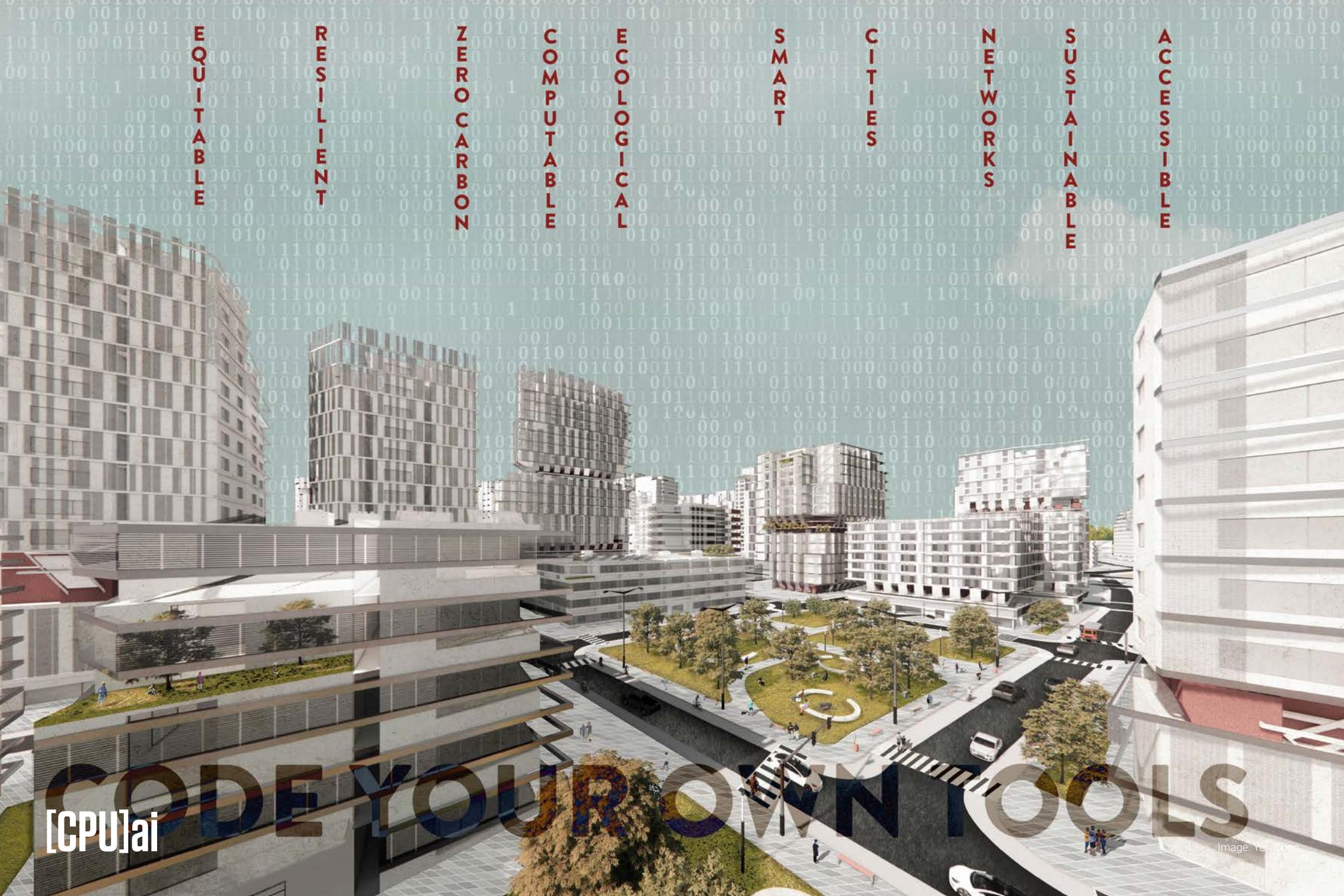
EQUITABLE RESILIENT ZERO CARBON COMPUTABLE ECOLOGICAL SMART CITIES NETWORKS SUSTAINABLE ACCESSIBLE

CODE YOUR OWN TOOLS

[CPU]ai

Image: Yan Chen

[CPU]ai

ULYSSES SENGUPTA & ROBERT HYDE
Atelier Lead

Staff
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Solon Solomou
Mahmud Tantoush
Sigita Zigure
Enrique Alonso Blanco
Filippos Filippidis
Giuseppe Miccoli

Collaborators
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Matt Doran (Manchester City Council)
Tom Fenton (Far East Consortium)
Thilo Aschmutat (HomeBase2)
Anat Stern (Zaha Hadid Architects)
Sotiris Tsoulos (TTZ Group)
Raden Norfiqri (University of York)
Sam Bland (University of York)
Luc Wilson (KPF)
Greg Hardy (ARUP)
Giovanni Lunardi (ARUP)
Alice Frostick (ARUP)
Jamie Risner (ARUP)
David Wood (ARUP)
John Miles (Assent Building Control)
Alex Williams (OFR Fire + Risk)
Ian Seddon (MMU)
Kevin Rowan (MMU)
Pete Fallon (MMU)
Rachael Beckett (MMU)
Dean Nankivell (MMU)
Joanna Parker (MMU)
Helena Tinker (MMU).

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Bella Makena Kimathi
Bethany Stewart
Boon Wong
Chan Chin Yeung Jason
Chen Botao
Effimia Athanasakopoulou
Giorgos Porakos
Hannah Byrom
Holly Millburn

Ioana-Antonia Naghi
Irina Maria Augusta Balan
Jakub Andruszkiewicz
Jordan Bartlett
Joshua Baker
Kareem Alsaady
Kefei Qiao
Lok Hang Harry Chan
Lon Y Law
Ma Zhao
Marco Nesi
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Nadia Al-Shawi
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Panayiotis Ioakim
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Yao Wei
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Yirui Chen
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Tiantian Ge
Isabella Kate Kendrick-Jones
Laura Lapadat
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Wenjing Ma
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Abigail March
Reiji Alexander Nagaoka
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Jingrui Wang

Xinbo Wang
Michael Williams
Jiao Xie
Siyu Xie
Haocheng Zhong.

[CPU]ai

[CPU]ai is a master's atelier at the MSA using a complexity framework to progress a new Design Science approach referencing systemic forms of design (R. Buckminster Fuller) and the study of design/the artificial (Herbert Simon). Students translate methods from the [CPU]lab – an externally funded research laboratory – into experimental design approaches through the development of new digital techniques/ tools, computational thinking/information systems and applied urban theory addressing social-sustainable-technological transitions and spatio-temporal urban transformations. The work expands the frontier of design studies by addressing shortcomings in the ability to usefully comprehend the implications of design contributions within the complex, multiscale, temporal and emergent phenomena that constitute the contemporary urban process. This year [CPU]ai explores 'Resilient Urban Futures' from multiple sustainability perspectives in the MArch (and BA3).

In MArch5, [CPU]ai engages directly with MMU estates as a stakeholder while interpreting the theme as conceptual and theoretical application. PS1 focuses on Design for Manufacturing (DfMA) for student housing as a technology led approach engaging with BIM and future manufacturing, to explore new opportunities within this design space. PS2 focuses on digital design strategies, knowledge-based design and the role of precedent study and analysis in adaptive reuse in architecture.

In MArch6, [CPU]ai engages directly with Manchester City Council and the Far East Consortium on the Northern Gateway regeneration project. The project is one of the largest regeneration projects in the UK (15,000 new residential units for 35,000 people). The fifteen year strategic development planned as an extension to the city centre needs to achieve commercial viability/ high density, while addressing multiple sustainable development agendas, including the UN-SDG's and Net-Zero. Design projects were based on: Student led research into the complex (relational, overlapping and contradictory) drivers and trajectories of change in this major redevelopment project; A contextual understanding of theories and expansion of new skills for computational urban design processes/approaches; Development of students own computational constructs/tools/applications to generate temporal and value-based design outcomes; Analysis of generated design outcomes using performance indicators in consultation with the project stakeholders to identify sustainability principles and approaches for best practice.

Socials
Twitter
@Complexurbanism
@CPU_Ai_atelier

#complexuran
#architectsthatcode

www.complexurban.com

STEP-1

USER SETTING

STEP-2

STEP-3

AUTOMATIC GENERATION

STEP-4

STEP-5

HYBRID BUILDING TYPOLOGY VISUALIZATION

SELECTED BUILDING PERFORMANCE & DATA

EXPECTED PERFORMANCE TOWARDS ZERO CARBON

URBAN ITERATION PERFORMANCE AND ATTRIBUTE

BUILDING LEVEL

- HYBRID BUILDING TYPOLOGY
- PERFORMANCE DATA OF BUILDING
- THE EXPECTED PERFORMANCE OF HYBRID BUILDING TYPOLOGY (UNDER FUTURE SCENARIO)

OUTCOMES

Chen, Yan., Chen, Yirui., Li, Linyu. - A custom-built generative and analytical tool to explore design pathways to a zero-carbon future city

Dubina, C., Lapadat, L., Lup, I. - A study of low carbon urban form - amenity distribution, accessibility and density
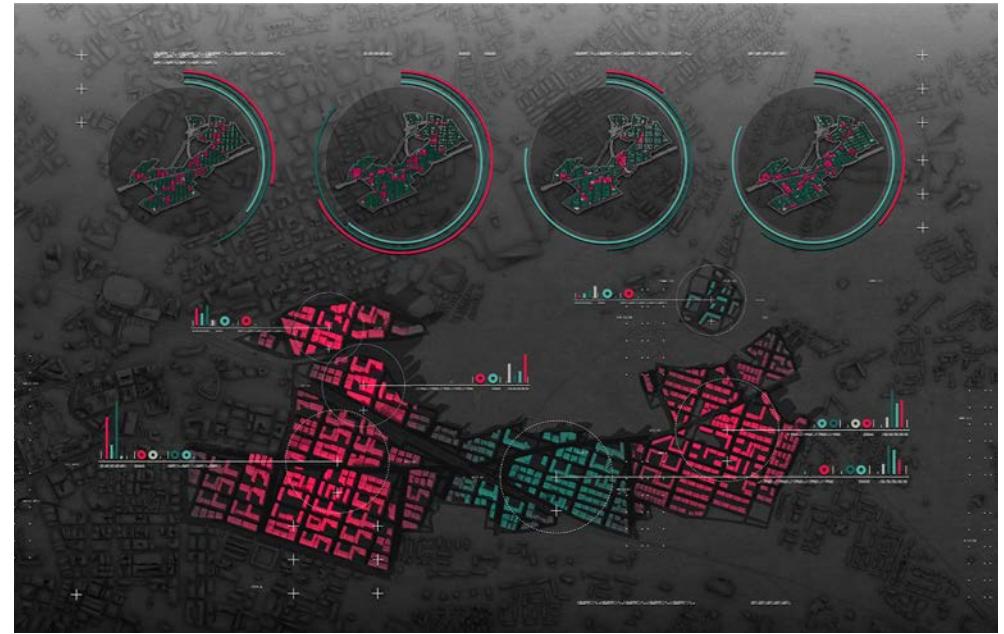
Maragakis, A., Quinlan, J. - A novel computational construct estimating projected energy use, carbon emissions and renewable energy generation

Ge, Tiantian., Lin, Shitian., Wang, Xinbo., Zhong, Haocheng - A project exploring the synergies between wellbeing, Ageing and ecological resilience
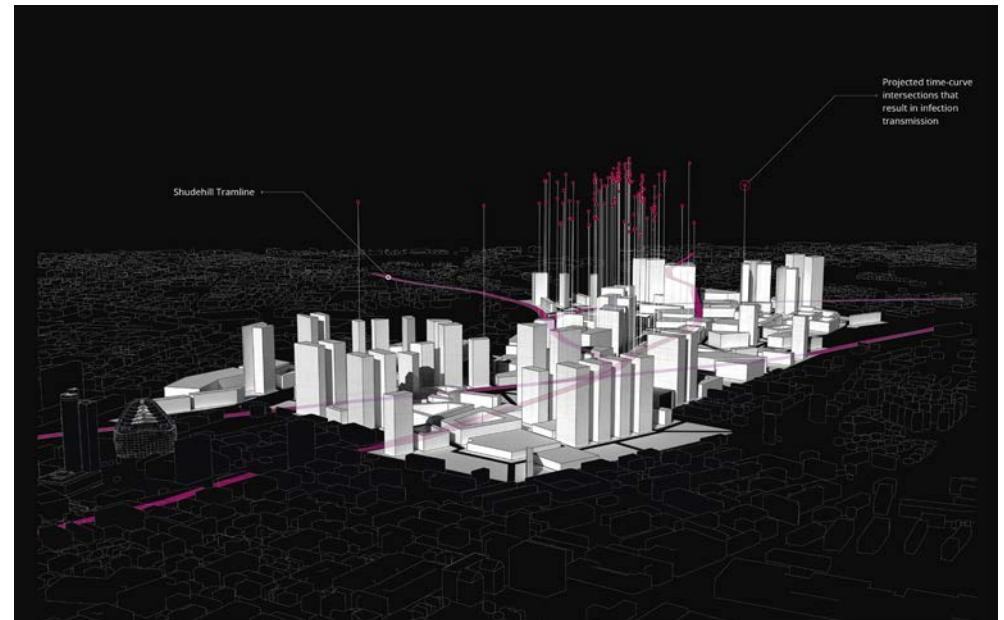
Baker, H & Colley, E - A custom-built computational approach to generate sustainable urban forms while estimating pandemic transmission risks
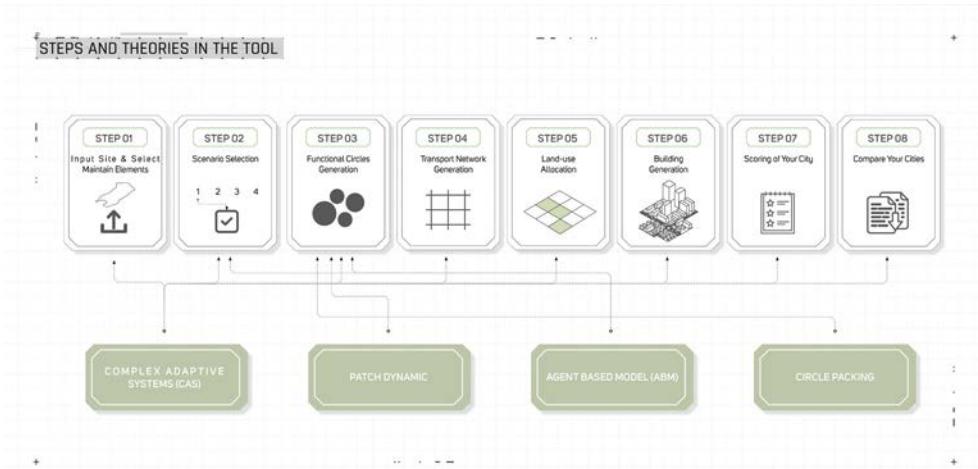
Xie, Jiao., Su, Junjie., Xie, Siu., Chen, Menghan - A demonstration of the urban and computational theories for a generative approach to address landscape fragmentation
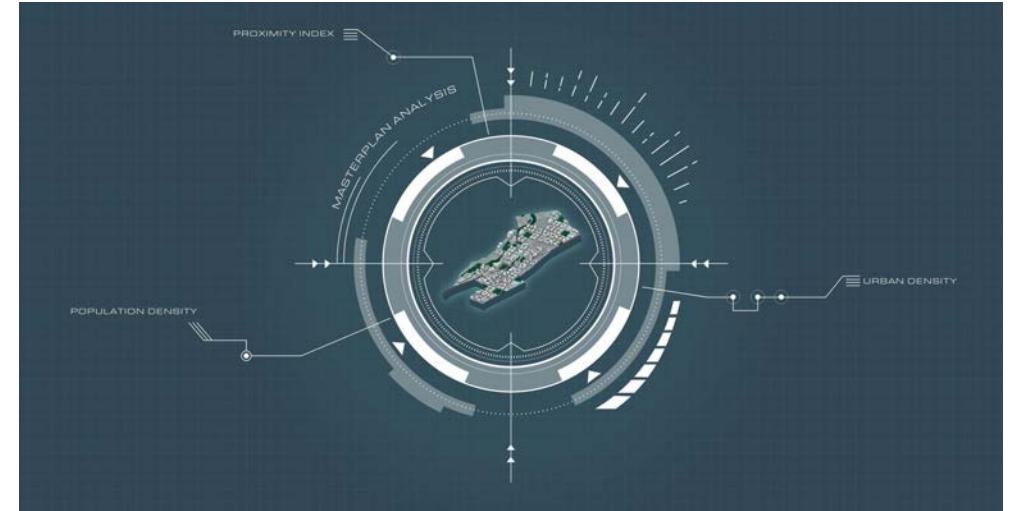
March, A., Williams, M. - An exploration of alternative grid-based urban design outcomes against walkability, proximity and density - for sustainability
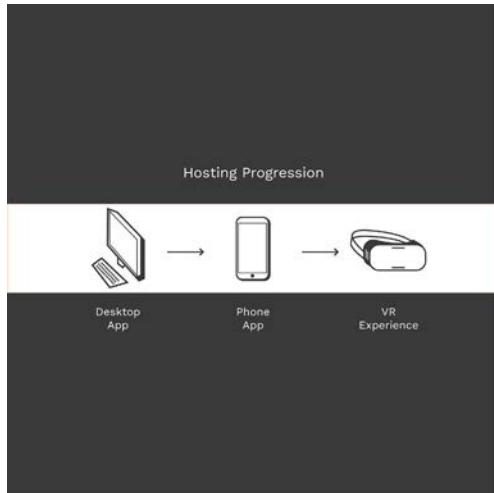
Kendrick-Jones, I., Tsikhanchuk, A. - Cityzen a custom-built app for participatory city planning - putting the masterplan-ning of a city into the hands of the citizen
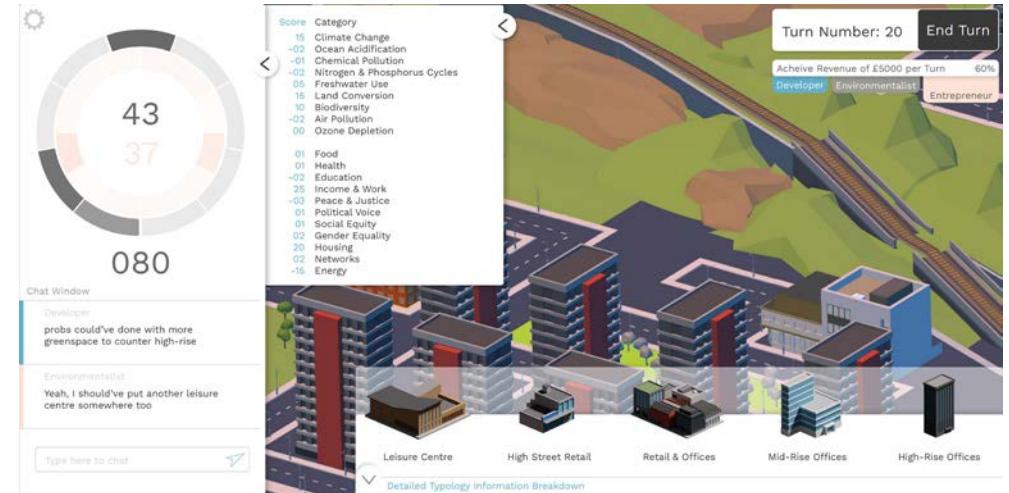
Nagaoka, R. - A multiplayer online game to engage multiple stakeholders in balancing urban development with Doughnut Economics
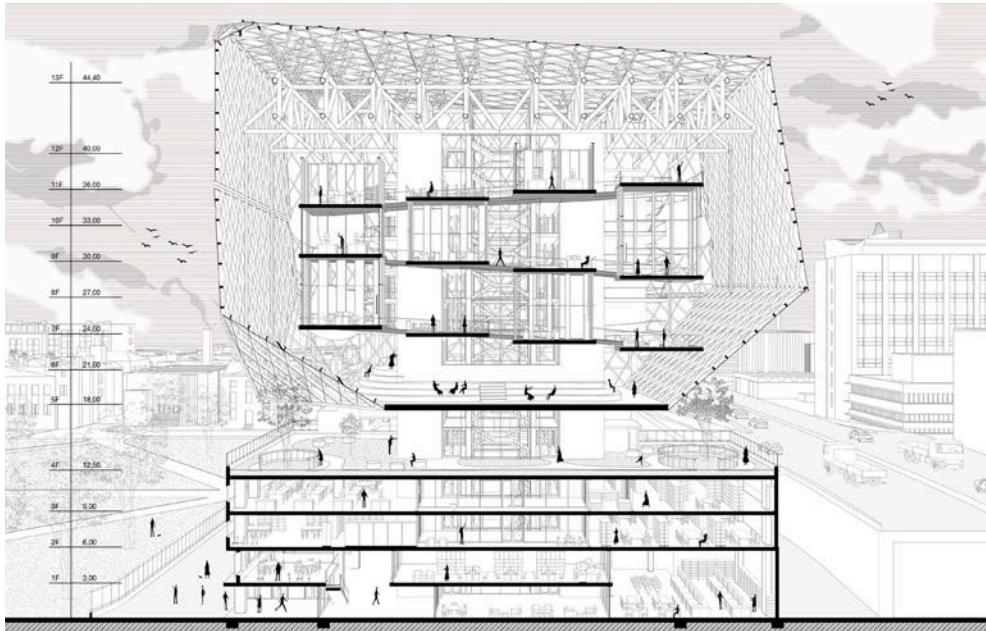
Kareem Alsaady & Marco Nesi - Stacking DfMA Prefabricated Prefinished Volumetric Construction

Giorgos Porakos & Effimia Athanasakopoulou - Computational design - facade design driven by internal and external conditions using grasshopper 3D

H. Byrom H. Millburn T. Cooper & Y.Salimi - integrating nature for improves learning conditions and health

Chen Botao & Yao Wei - External Render

Maragakis, A., Quinlan, J. - Sustainability through quantitative simulation and extrapolation to compare factors in urban development and design

Kareem Alsaady & Marco Nesi - Stacking DfMA Prefabricated Prefinished Volumetric Construction

Nayeem Zuhair Hussain Shaik & Panayiotis Ioakim - A new hybrid living/learning design for MMU

A. Jawdatt B. Kimathi B. Stewart &S. Akhtar - Internal View

J. Andruszkiewicz J. Baker & P.Malakouti - External Render

CONTINUITY IN ARCHITECTURE

On the wall:
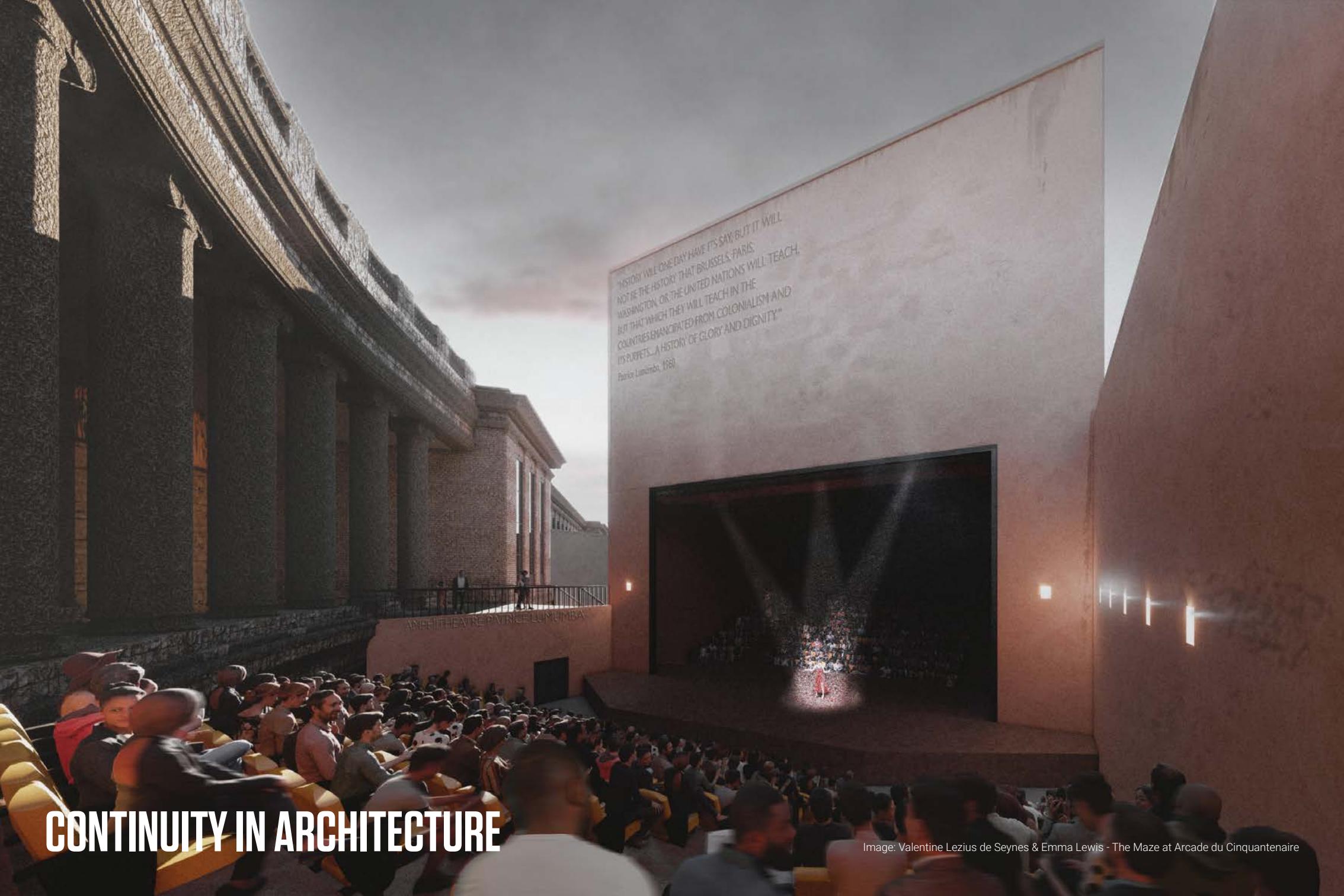
"HISTORY WILL ONE DAY HAVE ITS SAY, BUT IT WILL
NOT BE THE HISTORY THAT BRUSSELS, PARIS,
WASHINGTON, OR THE UNITED NATIONS WILL TEACH,
BUT THAT WHICH THEY WILL TEACH IN THE
COUNTRIES EMANCIPATED FROM COLONIALISM AND
ITS PUPPETS...A HISTORY OF GLORY AND DIGNITY."

Patrice Lumumba, 1960

AMPHITHEATRE PATRICE LUMUMBA

Image: Valentine Lezius de Seynes & Emma Lewis - The Maze at Arcade du Cinquantenaire

CONTINUITY IN ARCHITECTURE

LAURA SANDERSON
Atelier Lead

Staff
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John Lee
Laura Sanderson
Dominic Roberts
Tim Groom
Alberto Velazquez
Adam Gray
Gary Colleran.

Guest Tutors
Jordi Campo-Bria (Yeme Architects)
David Cox (David Cox Architects)
David Craig (David Craig Design Consultancy)
Erin Edmondson (Tim Groom Architects)
Rosie Freeman (The Brick Box)
Victoria Jolley (MSA)
Emily Knight (Architectural Heritage Fund)
Danielle McParland (Tim Groom Architects)
Richard Middleton (Bradford Townscape Heritage Scheme)
Gordon Murray (Gordon Murray Architects)
Kieran Thompson (Bradford Civic Society)
Kathryn Valentine (OMI)
Nikolaas Vande Keere (U Hasselt).

Guest Lecturers
Sarah Casey (Lancaster University)
Troy Hodgson (Darcstudio)
Andrew Knight (Hargreaves Foundry)
Bie Plevoets (U Hasselt)
Koenraad Van Cleempoel (U Hasselt)
Jon Wilson (Darwen Terracotta).

Visiting Alumni
Umayr Azam (Northedge Architecture)
Tom Cookson (Hall McKnight)
Helen Cross (Allies and Morrison)
Simina Ionescu (Calder Peel)
Adam Jones (Squire and Partners)
Louise McKeown (Squires & Brown)
Al Ogle (Waugh Thistleton)
Isabel Pagel (MVRDV)
Will Saville (Stanton Williams)
Eleanor Swire (Stephenson Studio)
Karissa Tysklind (OMI)

Damian Wooliscroft (Purcell)
Yiting Zhou (David Chipperfield Architects).

Commissioning Research Partners
Architectural Heritage Fund
Bradford Civic Society
Bradford Townscape Heritage Scheme
The National Lottery Heritage Fund.

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Robert Crutchley-Macleay
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Yifan He
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Kathleen Karveli
Zhe Han Law
Sze Jin Lee
Weining Luo
Keerthana Manimaran
Hayden Moores
Alexandru Munteanu
Patrick O'Brien
Danito Oledan
Razaw Osman
Catherine Zena Parsons
Billie Pritchard
Oliver Radcliffe
James Reed
Thomas Roylance
Hayley Louise Sheldon
Philippa Smith
Juliet Sara Tremble
Diana Iona Ursachianu
Adam Valman
Daniel Walsh
George Edward Williams
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Hanxiao Zhao
Xuexin Zhao.

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Eva Cheung
Robert Clarke
Niall Coleman
Irena Renata Dewi
Alexander Hughes
Supriya Maruti Jagtap
Ifan Jones
Emma Lewis
Valentine Lezius De Seynes
Ajay Mahay
Areeje Sherllalah
Mona Tamaru
Jo Lynn Tan
Jumana Tarazi
Aysha Utsho
Daniel Warren
Hayden Webster
Alex Williams
Gei Ga Wong
Lucy Hannah Woodward
Bismah Zafar.

Continuity in Architecture
Continuity in Architecture believes that the city is an exciting, complex, and crowded place, full of contrast, juxtaposition, discord and incongruity. Colin Rowe and Fred Koetter describe it as a 'didactic instrument', that is, a place in which a desirable discourse can be formulated. We believe that the constructed environment is charged with narrative content, that it is a place in which certain elements come to the fore, while others are more modest, more unassuming, but no less important or carefully considered. The built environment is created from the collective endeavours of many generations; each of which has its own priorities, focus, or agenda, and it is the interpretation of these priorities that proves to be the impetus for further evolution or change.

This year the MArch Atelier worked across three live research strands:

Contentious Heritage examined the reuse of buildings and structures that contained a difficult past in collaboration with University Hasselt. Thesis themes included the legacy of Leopold II, the walled city of Kowloon, the industrial past of Manchester and the future of the 'Gallery of Degenerate Art'.

Encounter and Exchange questioned the future of the Historic High Street (in collaboration with Bradford Civic Society and the Townscape Heritage Scheme). Projects included the reuse of Bradford Church Institute, a new housing quarter and the Corridor of Lost Artefacts.

Settlement Chronologies drew upon previous investigations into the particular qualities of small settlements in England. The project questioned whether the exploration of these places can be conducted in a similar manner to that of urban areas, or, whether they need an individual set of parameters and guidelines.

Socials
Blog
https://ciawip.msa.ac.uk/

Instagram
@continuityinarc

Twitter
@continuityinarc

Tahreem Amjad - Design as a Process, New Compositions. Contentious Heritage.

Natasha Blows - Morning at the Neues Haus Der Kunst. Contentious Heritage.
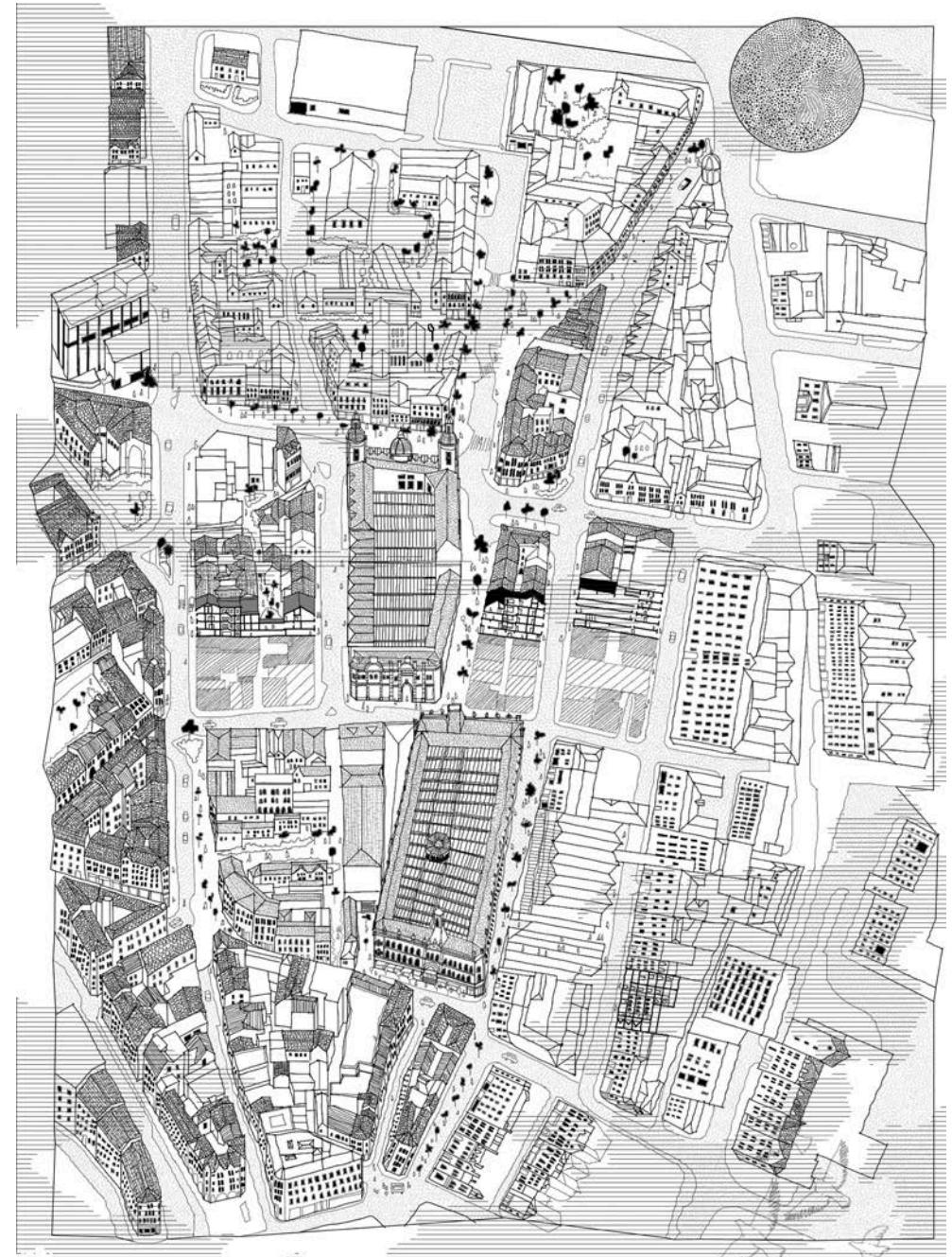
Sonia Balaguru & JoLynn Tan - The Imaginary Bradford. Encounter + Exchange.

Niall Coleman & Ifan Jones - From Rawson Place to the Square. Encounter + Exchange.

Bismah Zafar - The Monument, Place and Gateway. Contentious Heritage.

Valentine Lezius de Seynes & Emma Lewis - The Maze at Arcade du Cinquantenaire. Contentious Heritage.

Mona Tamaru & Daniel Warren - The Beck Uncovered. Encounter + Exchange.

Robert Clarke & Ajay Mahay - The Corridor of Lost Artefacts
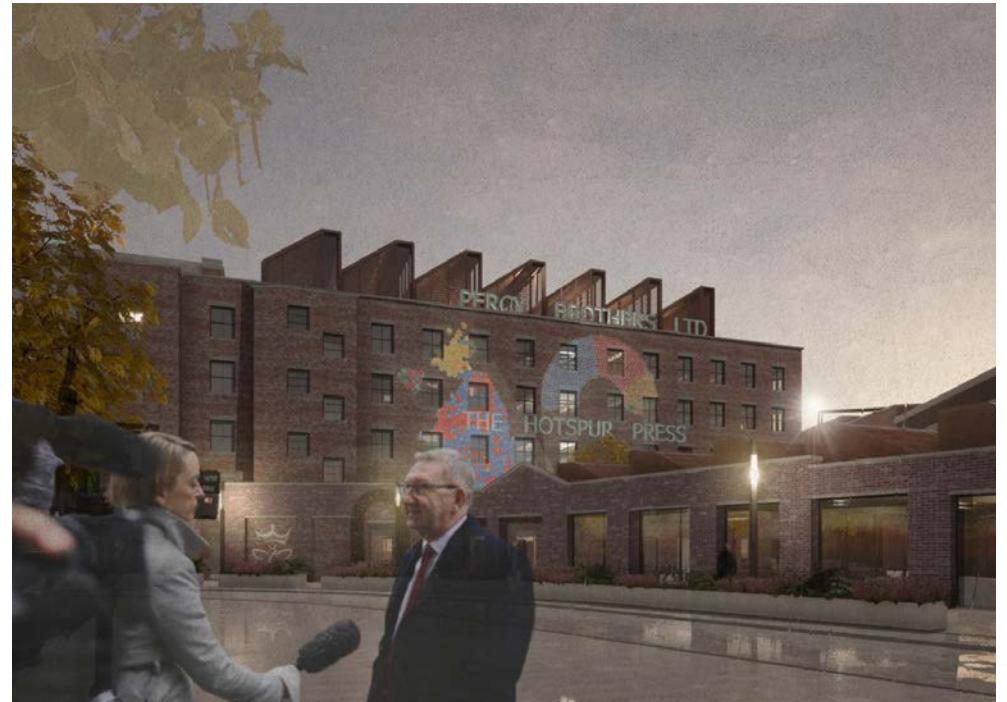
Celia Brearley & Alex Williams - Election Night, Manchester People's Parliament. Contentious Heritage.

Jumana Tarazi - The Faculty of Ceramics. Contentious Heritage.

Hayden Webster & Lucy Woodward - Across the Vista. Settlement Chronologies.
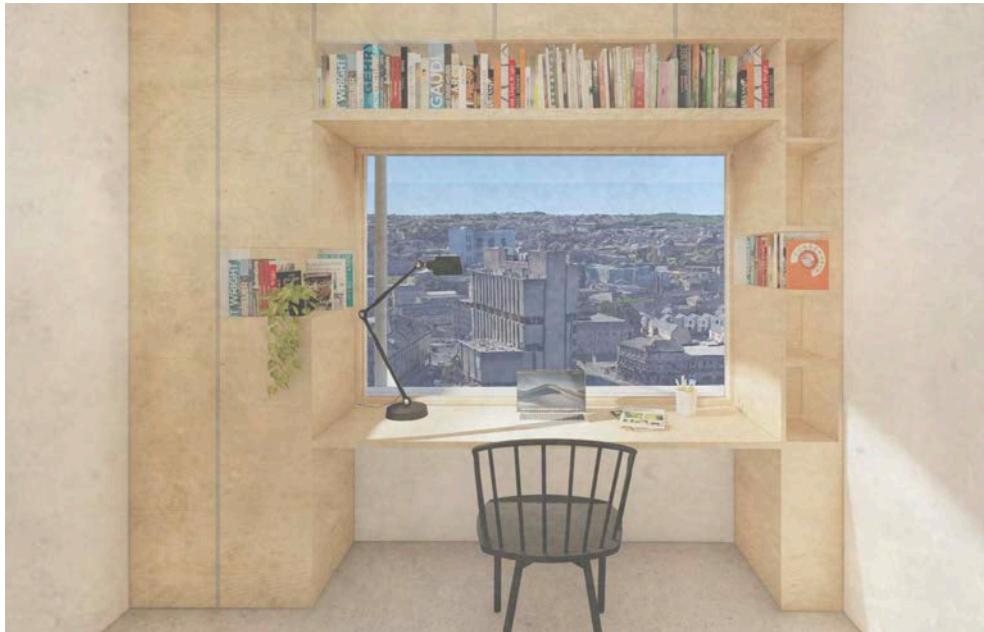
Millie Barrow & Robert Crutchley-Macleay - Working from Home
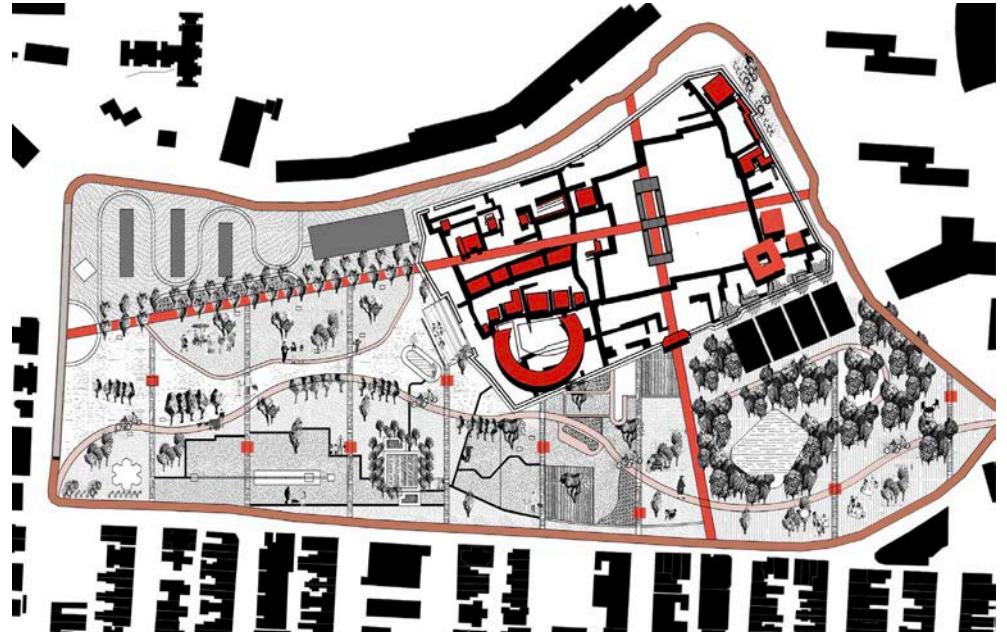
Gei Ga Wong - Events, Movements, Objects in the Kowloon Walled City. Contentious Heritage.
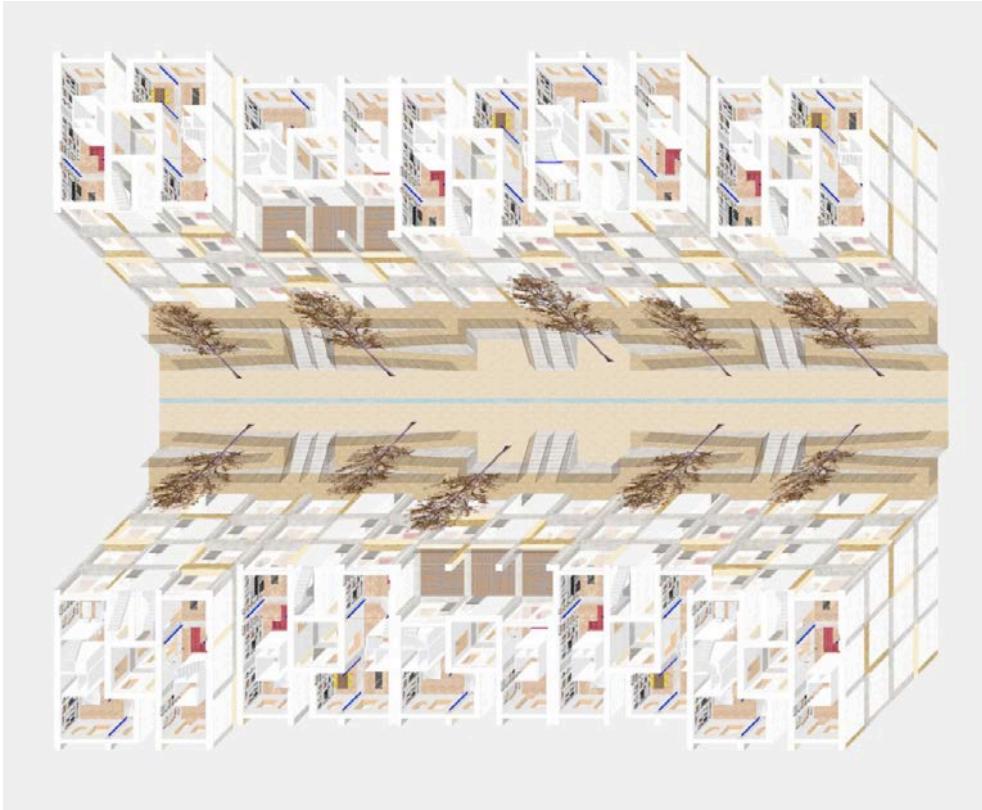
Jamie Reed & Danito Oledan - PS1

Tania Islam & Catherine Parsons - PS2
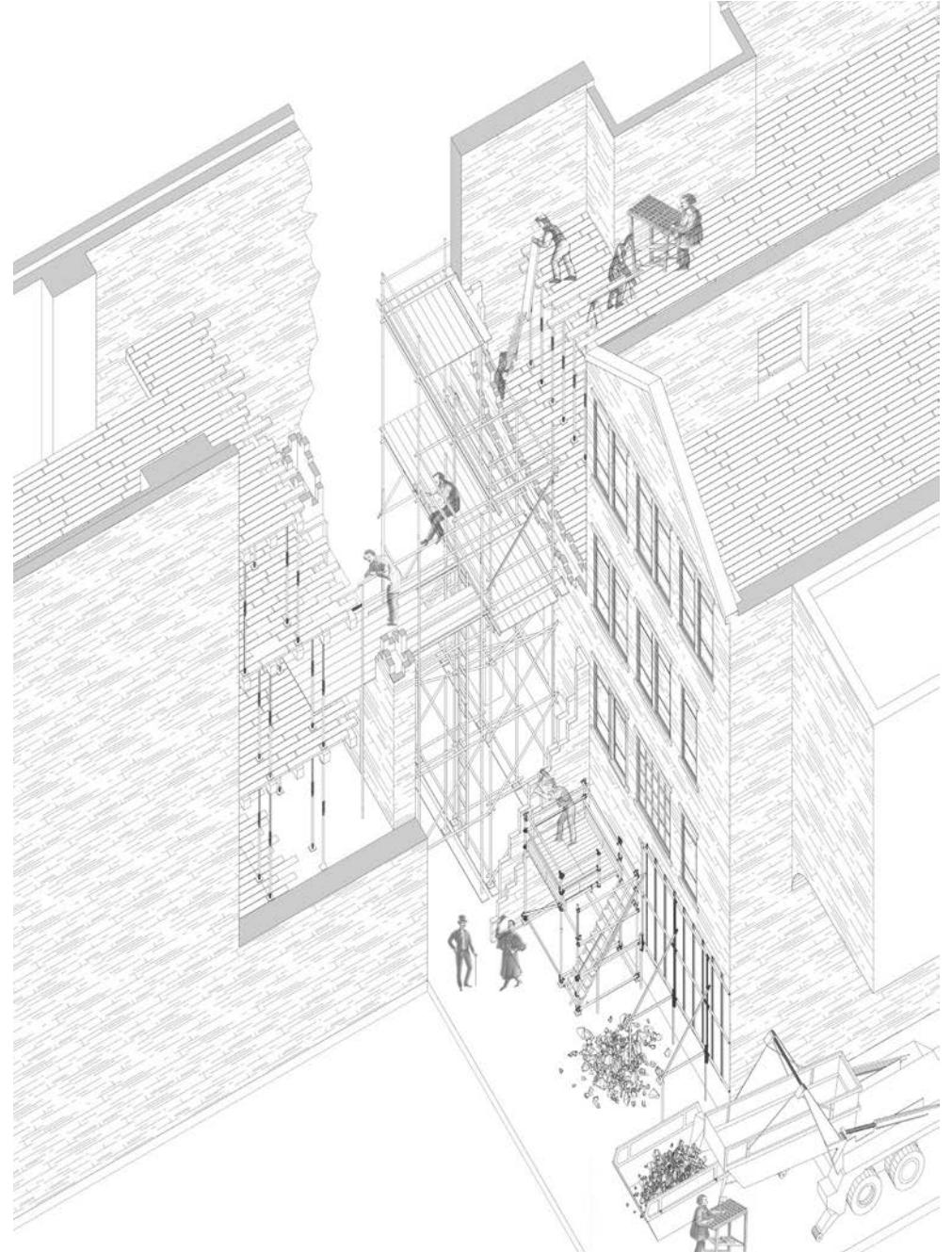
Jonathan Barker & Jamie Reed - PS2, The Act of Demolition

Jonathan Barker & Jamie Reed - PS2, The Act of Demolition
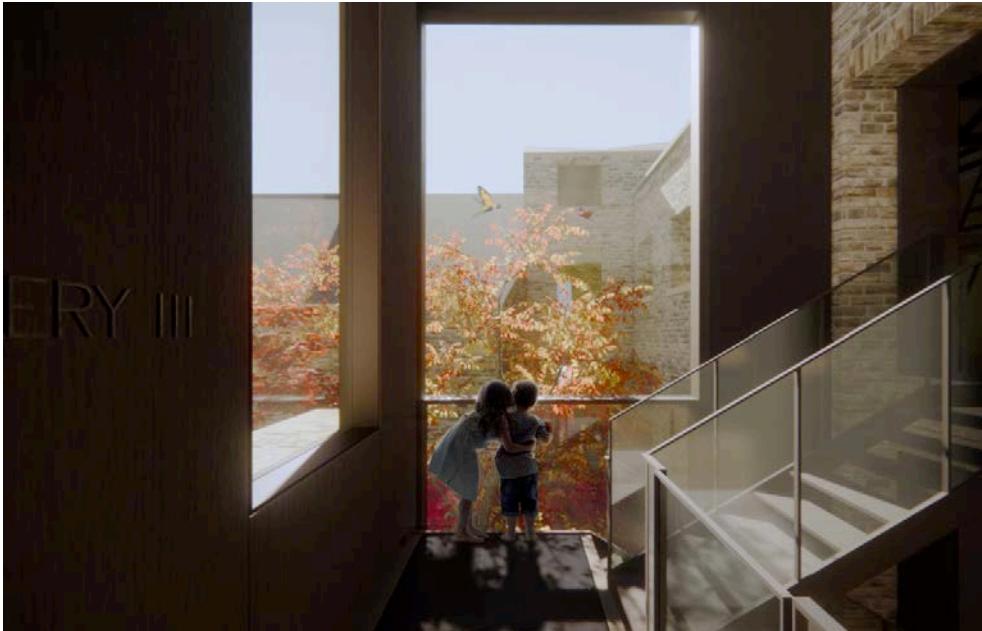
Daryl Law & Jin Lee - PS2

Daniel Walsh & Ollie Radcliffe - PS1

INFRASTRUCTURE SPACE
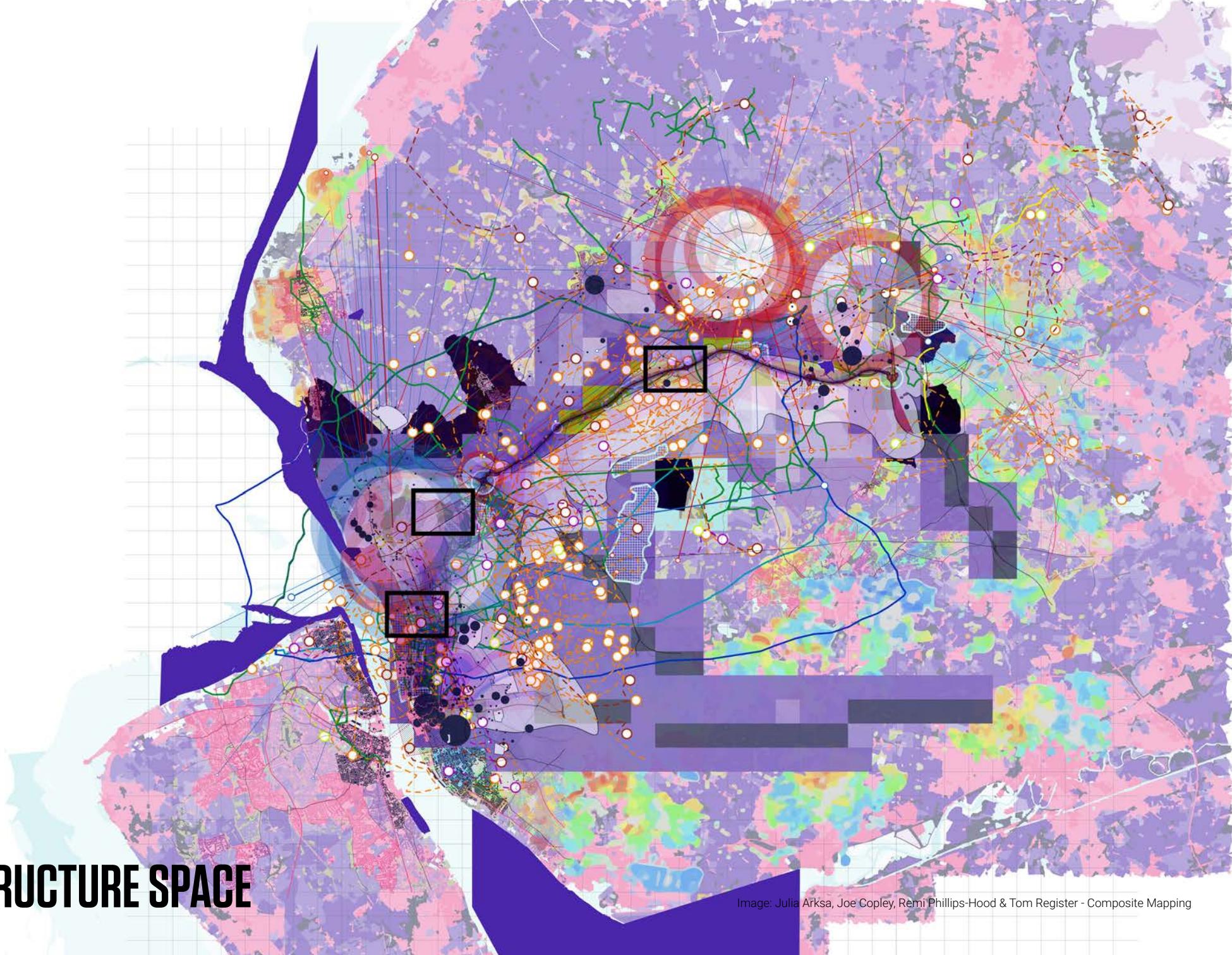
Image: Julia Arksa, Joe Copley, Remi Phillips-Hood & Tom Register - Composite Mapping

INFRASTRUCTURE SPACE

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Atelier Lead

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Yasmina el Chami
Sam Higgins
Lisa Kinch
Georgina Mitchell
Richard Morton
Jack Penford-Baker
Jamie Wallace

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Carrie Bayley (Butcher Bayley Architects)
Vaseem Bhatti (ehquestionmark)
Ronan Connelly (BDP)
Abigail Dixon (Hawkins\Brown)
Andreas Leonidou (Hawkins\Brown)
Ben Porter (Hawkins\Brown)
Steve Reynolds (Westlake)
Ben Robinson (Hawkins\Brown)
Jack Stewart (Hawkins\Brown)
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Aaron Wall (Roscoe)

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Helena Sophie Krekel
Jacques Lachetta
Anna Lavery
Shuhan Liu
Matthew Meeson
Olivia Mihale
Samantha Millington
Henry Mole
Aadil Nagdawala
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Tom Oldham
Marcell Orova
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Arran Sahota
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Dilan Vithlani
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Sun Zhuoping.

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Zohir Foukroun
Brent Haynes
Panagiotis Kapositas
Karl Leung
Yitian Liao Jacky Cheuk Ki Ma
Andrea Nobrega
Remi Phillips-Hood
Thomas Register
Seenam Seenam
Daniel Steel
Vickie Tang
Laura Toth
Kelly-Louise Ward
Jerry Xinchen Yang
Grace Jing Yuan Yu

Infrastructure Space
Infrastructure Space uses large territories and novel mapping techniques to explore them, to reveal latent environmental, social and cultural conditions. We approach space with neutrality to form objective views of the ways in which space is produced and used. Expanding on theories of landscape urbanism, we recognise that it is difficult to separate urban scale from global scale. Thus, infrastructure as a methodological lens enables critical discourse that addresses global issues of exchange, mobility and justice. This year the territory under investigation was the M58 motorway corridor that connects the M6 with the docks at Liverpool. We asked all of our students to consider the following:

COMMONS. By this we mean a shared space that enables a citizen led agency, sometimes to fill what has been referred to as an 'infrastructural gap'.
ECO-SYSTEMS. We deliberately hyphenate this term to accentuate its constituency - ecological / systems - we are interested in systems that can enable ecological diversity and sustainability.
SOCIETY. Society has manifold interpretations. Here we refer to groups of people with common values, territory and cultural expectations and the positive effects of such arrangements.

MArch2 developed research questions based on preliminary group studies that considered digital connectivity, urban-rural dynamics, planning policy and complexity, flooding and water scarcity, density and dispersion, and infrastructural economies. Thesis projects typically explored conditions such as these and then speculated on the potential spatial and material outcomes. Schemes for floating cities, motorway heritage, networked cities, future farming, reforestation, digital distribution hubs, agglomerated urbanism and new rural states, have examined the possibilities and potentials enabled by technology and policy and are responsive to pending environmental collapse.
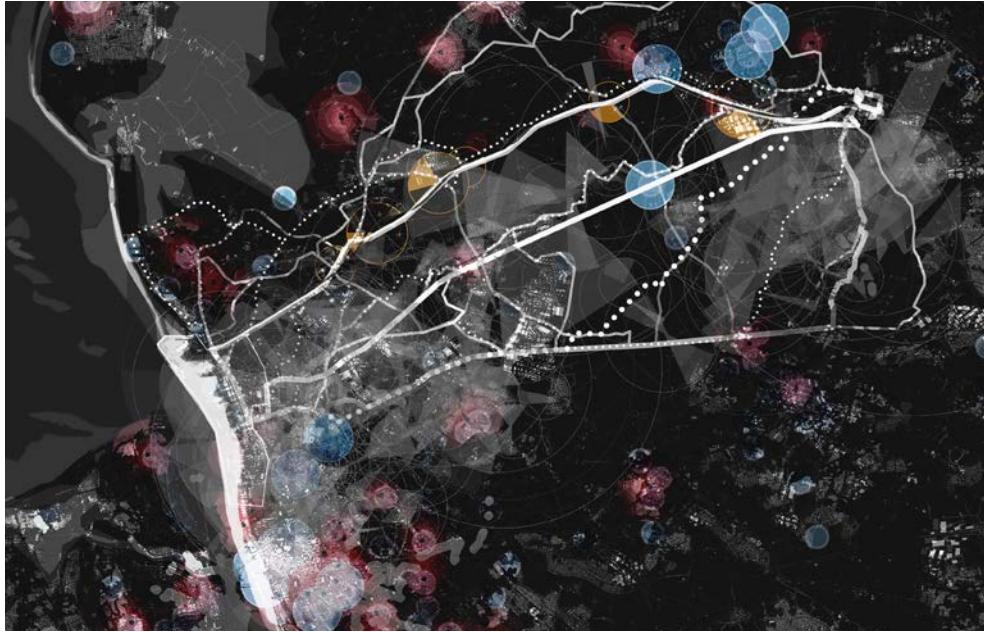
Karl Leung, Yitian Liao, Jerry Xinchen Yang & Grace Jing Yuan Yu - Composite mapping
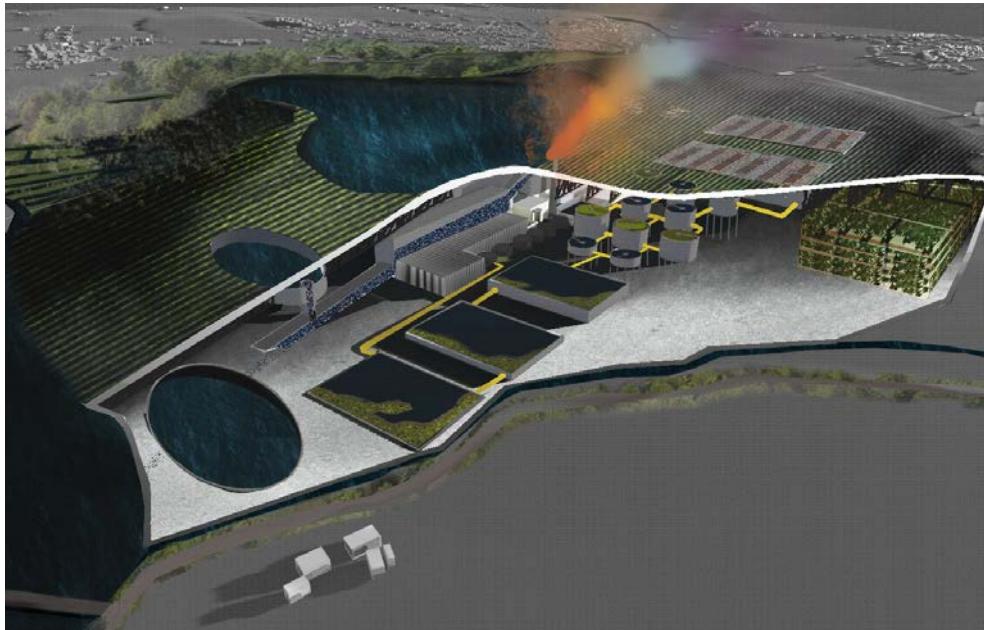
Kelly Ward - A Rural Landform. Industrial 'glomeration
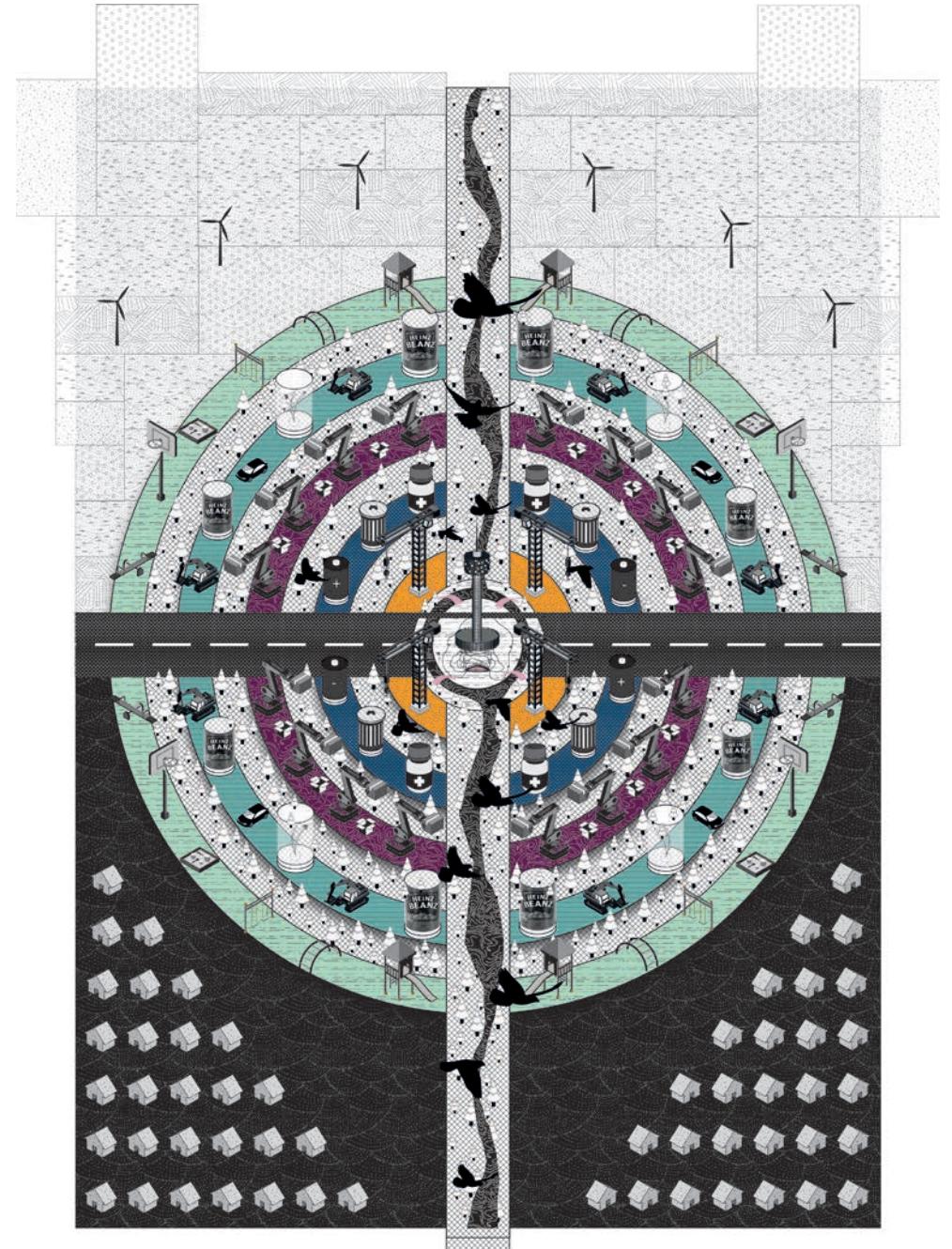
Jad Choucair - The Rural Federation. Mandela Diagram: agglomeration #003

Daniel Steel - Reclaiming Rural Heritage

Jackie Ma - Wagyu Lab

Laurence Culliford - National Forestry Centre

Natalie Chan - Revolution Meats

Knotty Ash Archipelago - Panagiotis Kapositas
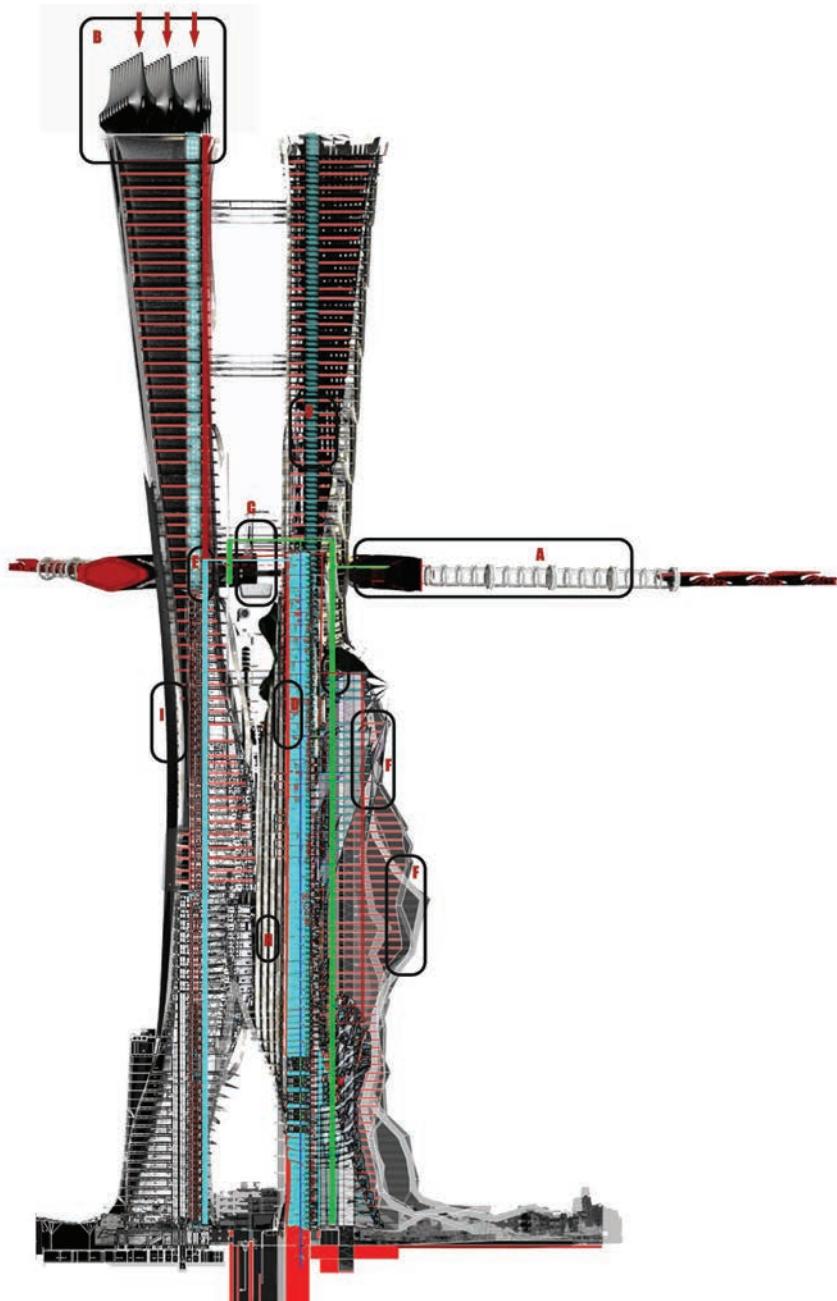
Seenam Seenam - Archipelago: Future Building Concept

Joe Copley - Intra-Infra City
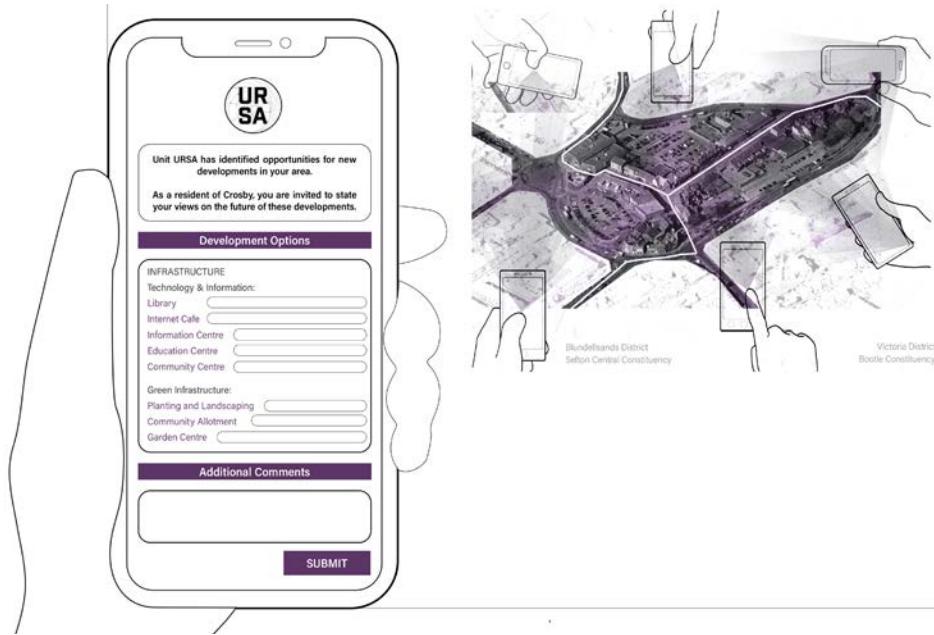
Grace Jing Yuan Yu - The Application of Urban Resilience Scoring Algorithm
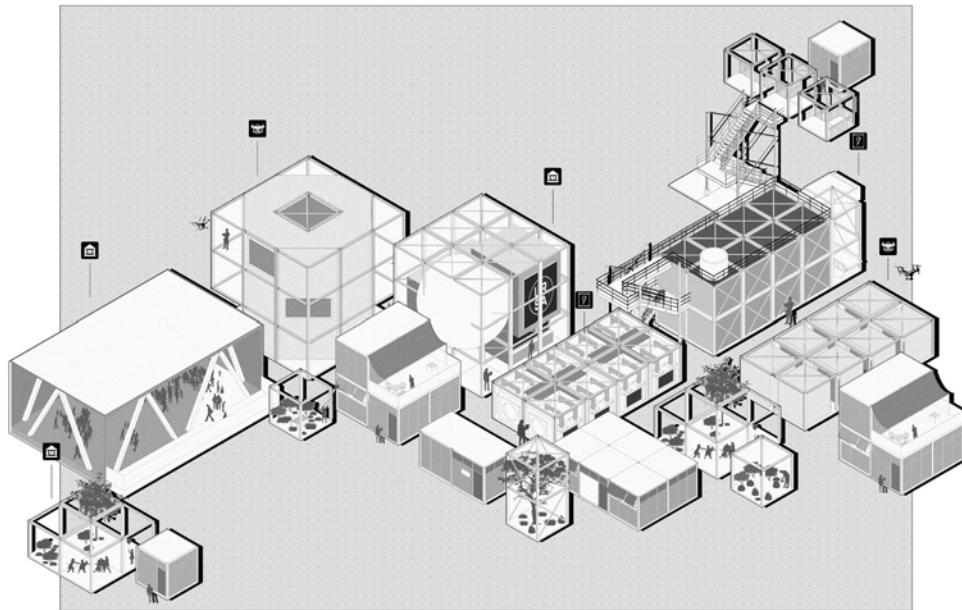
Jerry Xinchen Yang - The Spatialisation of Urban Resilience Scoring Algorithm
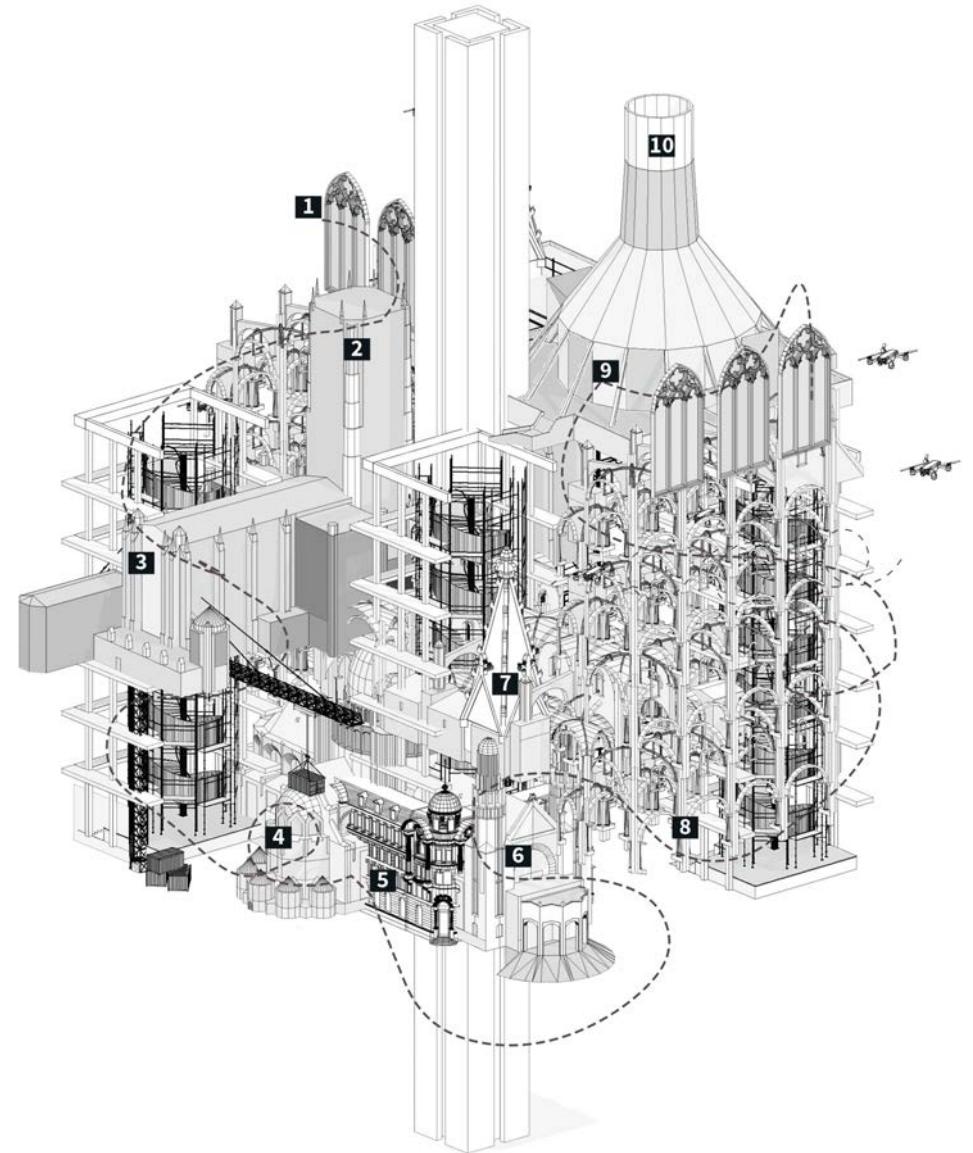
Julia Arksa & Remi Phillips-Hood - Disp_Spec-1. Redefining Dispersion and Growth

Tom Register - Dispersing the Civic

Brent Haynes - The Water Machine

Yitian Liao - Alcohol Planning with Libertarian Paternalism

Jamie Boardman - Liverpool Archipelago

Vickie Tang - Project Overalls

Laura Toth - No Hunger No Waste
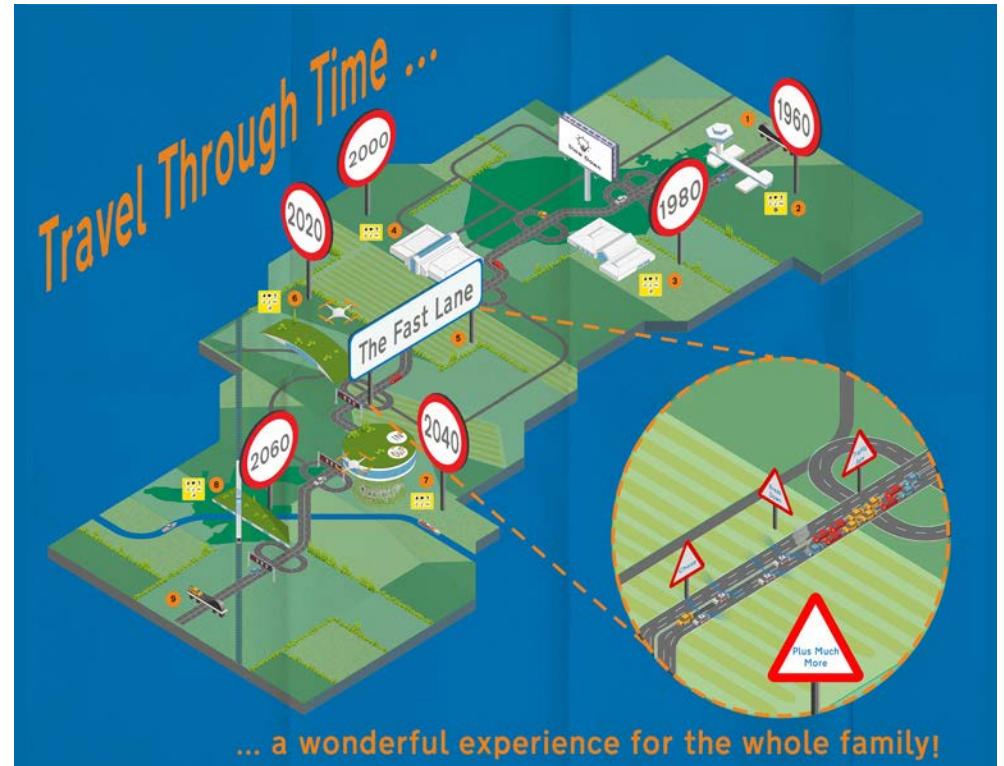
Sophie Chappel - National Motorway Museum

PRAXXIS

Image: Martha Hiles - Finding Herland, a Marxist Feminist approach to post-capitalist housing

PRAXXIS

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Atelier Lead

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Nick Mitchell (Purcell)
Adam Park (BDP)
Reem Charif (UEL School of Architecture)
Helen Hough (Bryden Wood)
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Micaela Maccan (BDI Structural Solutions)

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Soniamaria Losapio
Nadir Qazim Mahmood
Irina Munteanu
Pardis Narji
Wiktoria Nowak

Katerina Pikhartova
Premidyi Singh Shadan
April Sidlow
Sama Sreevardham
Nattachomporn Supaprutsakul
Holly Sutcliffe
Edna Thomas
Joseph Twitchen
Henrietta Wellingtom
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King Yi Wong
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Sara Hakkou
Martha Hiles
Lorenzo La Magna Zimmermann
Sally Lofthouse
Aniela Migasiuk
Megha Paudyal
Felicity Pettit
Callum Plumb
Jasmine Ratcliffe
Angus Riddell
Sandra Rotarescu
Quadri Shogunle-Aregbesola
Raluca Sisu
Pek Kwan Soo
Eleanor Strange
Flora Teng
Jessica Ward
Sioned Williams

Praxxis

Wow what a year we have had. I want to hold my hat off and say thank you to all our students and the staff team for their determination, strength and resilience. Well done!

PRAXXIS is an all female-led feminist studio atelier and research collective at the MSA in BA3 and the M. Arch years 1&2 with roughly a 75/25 gender split of students. We take an explicitly feminist approach, in particular intersectional feminism to explore the inequalities in society and what that may mean for the built environment. Intersectionality acknowledges that the various layers of what we see as social and human characteristics—class, race, sexual identity, religion, age, disability, marriage status and gender identity do not exist separately from each other but are interwoven as a complex matrix. Studio for us is a platform where theoretical transdisciplinary practices are set up, a studio space of exchanges and dialogues where you can ask the questions that are not comfortable in other ateliers. And we are not afraid to use the F word! And by this we mean Feminist. To bring us together as an atelier we hold Feminisms Conversations which act as a supportive and discursive platform to explore non-binary approaches to practice, education and our profession. Ranging from preconceptions on the feminist agendas to feminist technologies and from privilege to equity the discussions challenge our current knowledges and allow to think about what may have to unlearn and relearn.

For the year-long thesis project our M.Arch 2 students use feminist tools as a way of constructing project briefs that always respond to the personal and the political each individual projects explores inclusive understandings of how our identity affects our life and our work. By defining a project from a personal position (an experience or simply a passion) and placing it within a political context, project work often results in the re-definition of systems—a key tenant of feminism with the objective to alter the existing system for the inclusion of women, or equality of women and inclusion of others. The personal subjects are vast in their range.

In M.Arch 1 students were challenged to design Intersectional Housing on a site next door to the

Pankhurst Centre in Manchester City Centre (PS1). We then asked the students to consider the immediate space to north of the Pankhurst Centre part of the site to create an Archive to Feminisms (PS2). It has been important for the students to explore feminist technologies this year – none-traditional technocentric solutions by discussing technologies which are collaborative, are gender equitable or driven by need rather than just technological advances. Additionally, this results in a new or alternative Building Regulation, the XX approved document.

Finally, using feminist pedagogy we require our students to create project road maps. Through this we ensure that these various key reflective processes are constantly discussedthroughout the year. This is something we see as a crucial part of any successful feminist project. Each road map involves the navigation and communication of how and what the students have had to unlearn, learn, then had to re-learn, whilst constantly reflecting and finally re-evaluating.

Praxxis asks our students frequently what kind of Feminist Architect do you want to be? We ask our students how they want to practice, not where and not for who... And what form of practice that might be.

Socials
Twitter
@praxxis_f

Instagram
@praxxis_f

Eleanor Strange - Black Brixton Masterplan and the redevelopment of Geoffrey Close Esate. London.
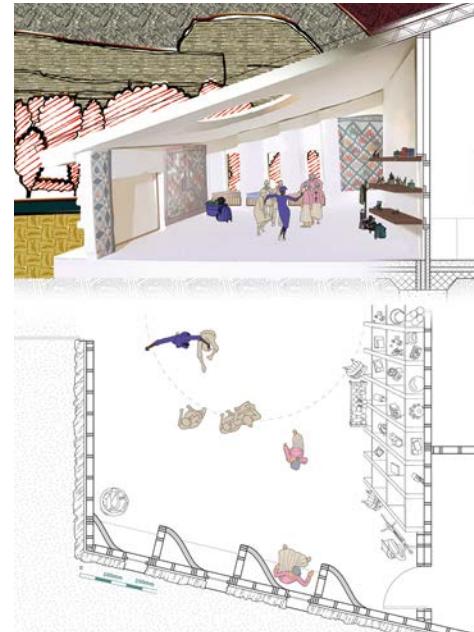
Alice Bell - Community networks and empowered learning spaces. West Cumbria.

Quadri Shogunle-Aregbesola - Making Brixton Black Again. London.

Martha Hiles - Finding Herland, a Marxist Feminist apporach to post-capitalist housing. Manchester.
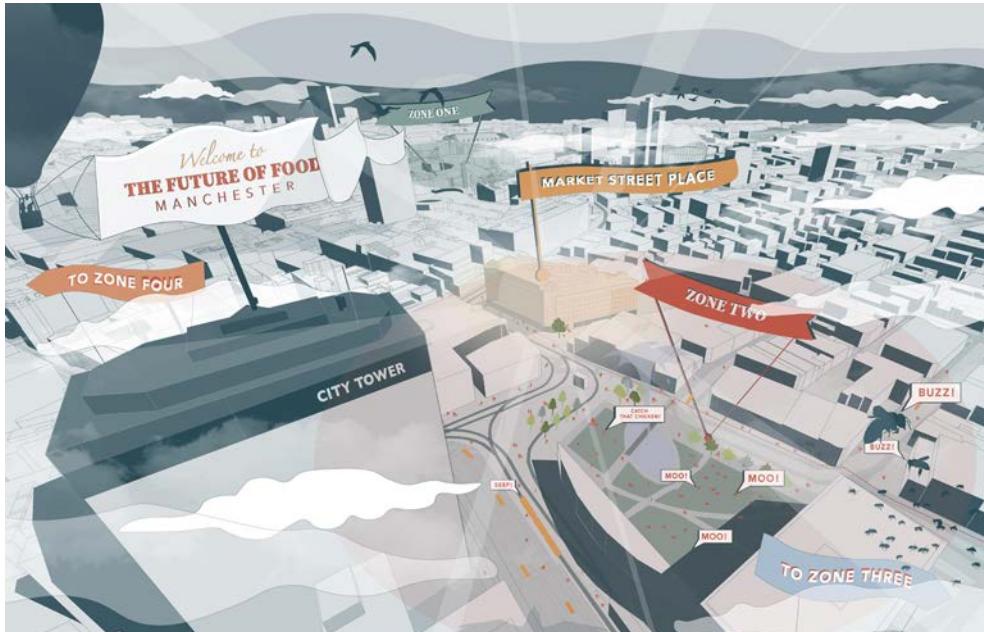
Aniela Migasiuk - The Future Food Network, 2050. Manchester.

Megha Paudyal - Rethink Gupsi Pakha, a gender inclusive post disaster recovery process. Nepal.

Flora Teng- Reshaping Architectural Education. Manchester.

Felcitiy Pettit - I left my heart in Songdo City, inclusive feminist community spaces. South Korea.

Sarah Day - Designing out loneliness. Huddersfield.

Jessica Ward - Designing Social Infrastructure to support a diverse and growing city. Manchester.

Freya Cooper-Williams - WIP: The Womens Inclusive Project. Manchester.

Jasmine Ratcliffe - Herstory. It's time to tp out women back into history. Lyme Regis.
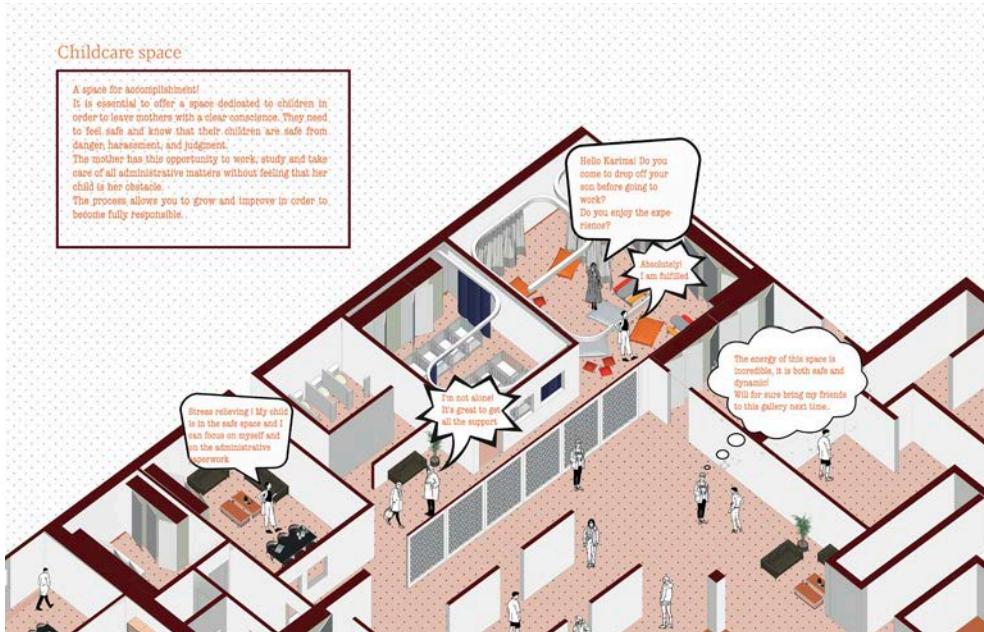
Sara Hakkou - I will not be silenced... Safe and brave spaces for single mothers. Morocco.
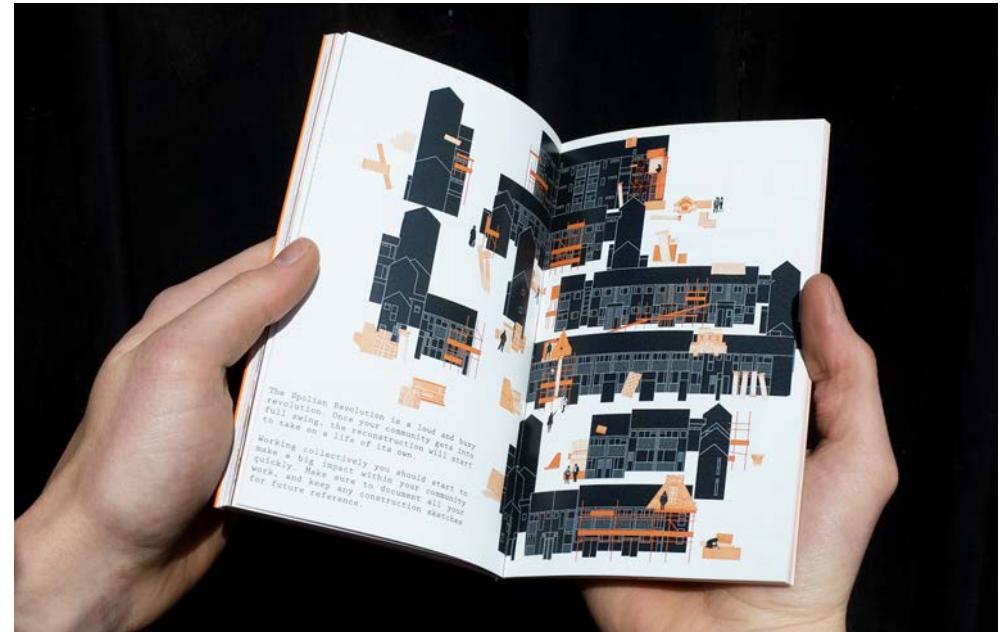
Angus Riddell - Speculations on a New Materialism

Sandra Rotarescu - Death Stranding. Romania.

Pek Kwan Soo - Kintsugi Food Festival. Malaysia.

Rachael Aylward Jones - A Feminist City from my dreams. Dreamspace.

Raluca Sisu - Through the Looking Glass, the Vanity Fair of Morecombe
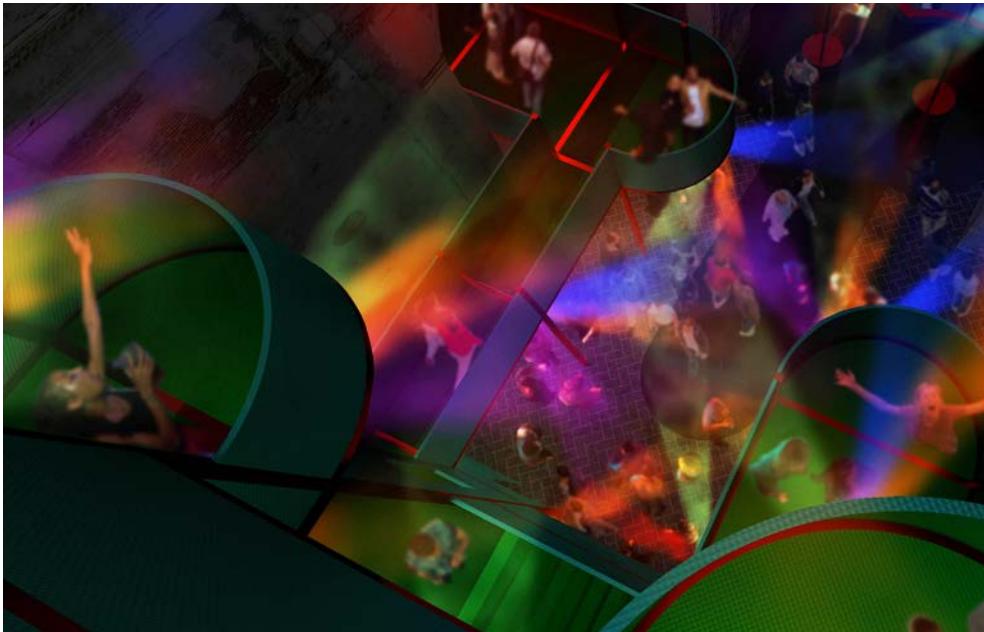
Lorenzo La Magna Zimmermann - Shameless Genoa. Does the Pope know? Italy

Callum Plumb - Propaganda Housing CLT. Manchester.
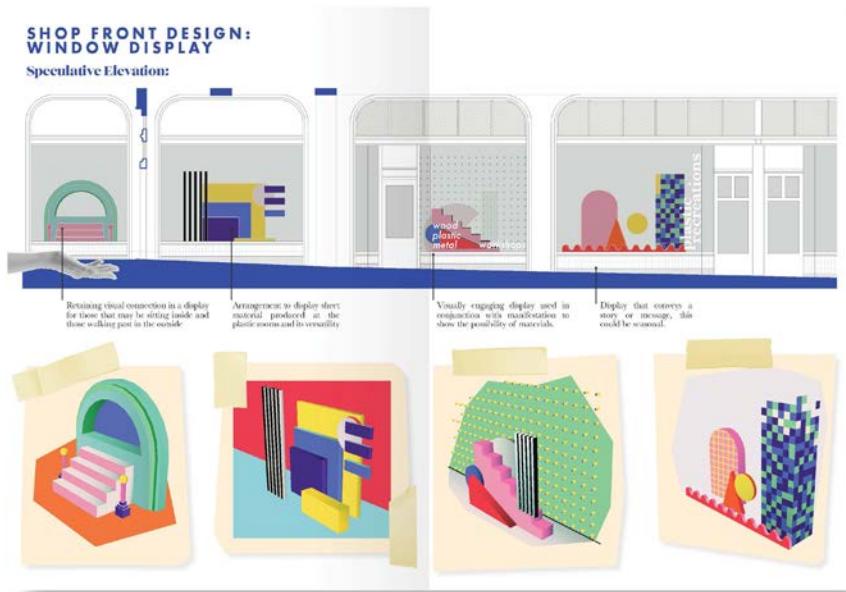
Sally Lofthouse - The Shambles Collective, Plastic Recreations. Preston.
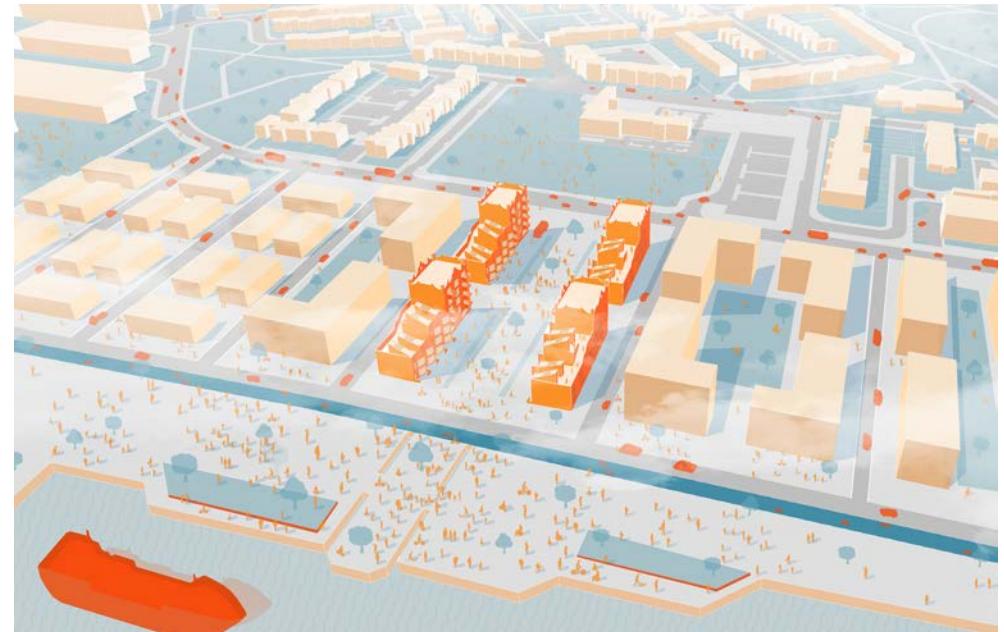
Katayha Gould - An interrogation of classicism in the genrtification of Odsall Riverside. Salford.

XX document thinking differently about Approved Building Regulations, 1. EQLAB, 2. FACE, 3. FUN, 4. INC
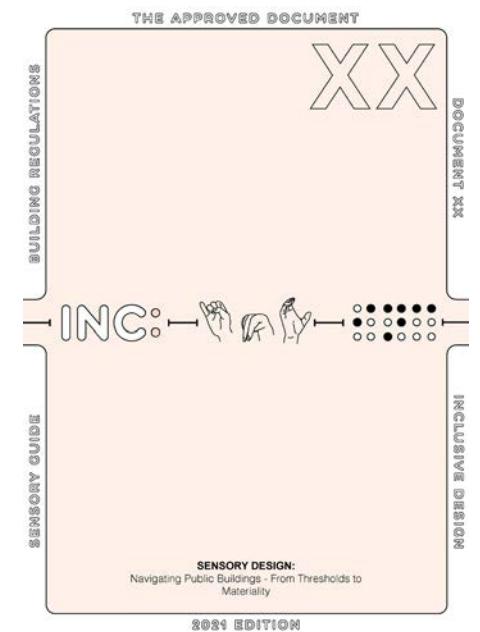
URBAN SPATIAL EXPERIMENTATION

Image: Patrick Millar - SURFACE, the (re)planned obsolescene of a theoretical mining facility on the Moon

URBAN SPATIAL EXPERIMENTATION

BECKY SOBELL & KARSTEN HUNECK

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Lingxi Tao
Lucy Goodier
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Nurhassanah Binti Kissmi
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Joe Kelleher
Junfu Xiao
Kieron O'Sullivan
Mangting Lyu
Mike Rostock
Muhamad Adha Salim
Patricia Belcin
Patrick Millar

Shaw Labrianidis-Kenny
Thomas Keen
Tianyuan Hu
Tobi Sobowale
Yimeng Zhao

Atelier description

In USE each student is encouraged to form an individual concept based on a thorough site analysis. The projects follow a (personal) narrative that is born out of the site's history and its inherent potential which is developed through all design stages. The Atelier explores the boundaries of architectural practice and utilizes the techniques and working methods of other creative disciplines in particular fine art. The topic for this year was to develop projects and spatial strategies that explored Resistance. This theme ran throughout the atelier in all cohorts.

The initial spatial context for the exploration of the topic was centred along and beside the Fallowfield Loopline (The Fallowfield Loop or Floop). Built upon the remnants of a decommissioned railway line, the Floop now forms part of the National Cycle Network running the breadth of Manchester. Multiple eras of housing, industrial and natural elements exist along the eastern part of the Floop including the ancient Nico Ditch, the secret lake, and infrastructure in the form of Thirlmere Aqueduct and several reservoirs.

PS1 Brief

For PS1, USE developed housing strategies on an site adjacent to the Fallowfield Loopline near to the informally named Secret Lake. The task was to develop a new type of home that explored the potentials of this diverse site which has been subject to the forces of economic flux resulting in the current context of small industrial sites, 20th century housing estates, sports grounds, brownfield sites and places of indeterminate ownership and function, such as the ex-industrial Secret Lake itself.

Students developed new types of communal living that responded to our current political, and economic climate, as well as environmental issues and the pandemic crisis of COVID 19. Proposals ranged from multiple houses, to high density flats that explored opportunities in line with

the overall topic of "Resistance". All proposals aimed to implement a symbiosis between the industrial nature of the site and a new form of residential development. True to the ateliers approach, buildings expressed a poetic quality that enhanced the eclectic nature of the area.

PS2 Brief

This year, the USE PS2 brief asked the students to explore the potential reuse of Gorton House, a Grade II listed building in Greater Manchester. Students were tasked with questioning the value and relevance of the structure by considering its historic, environmental, and social context. Situated near the Fallowfield Loop, Gorton House stands at the southern end of Gorton Lower Reservoir. Built by an early Manchester industrialist, it was once an important social landmark but now exists in a dilapidated and perilous state with its future in doubt.

Led by thorough research, student proposals included bird sanctuaries, workshops, bathhouses, and art galleries. All solutions were encouraged to adopt sustainable technologies whilst maintaining a poetic and artistic approach within their narrative. Each project used experimental methodologies to create solutions to their developed brief and sought to enhance the landscape of the reservoir setting, whilst furthering USE atelier values.

Shaw Labrianidis-Kenny - Reimagining The Aqueduct
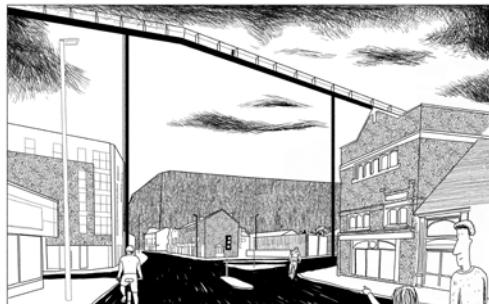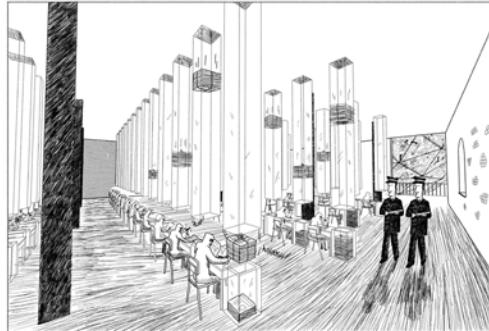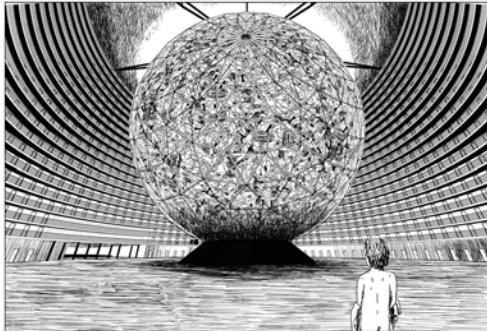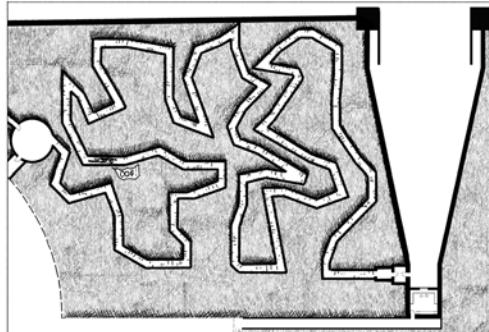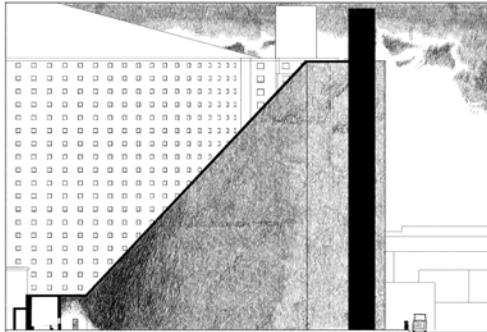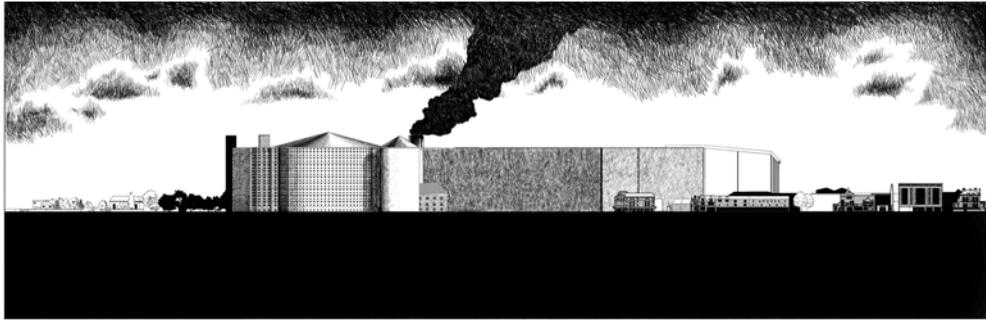
Joseph Kelleher - Owens Park Correctional Facility for the Uncooperative Citizen
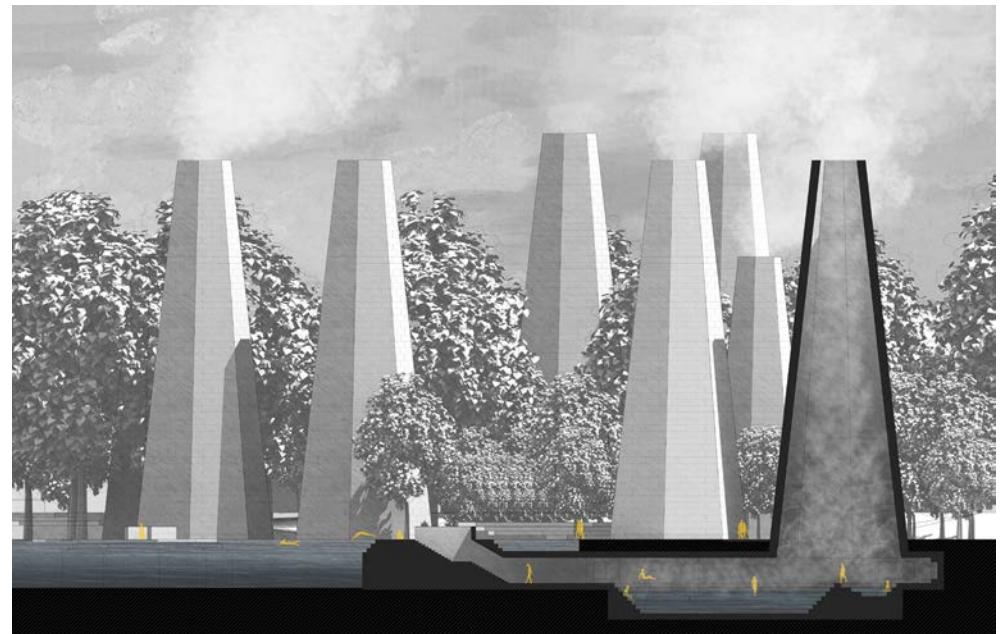
Aron Lewer - Levenshulme Rumour Mill

Jemima Osborne - The Court of Innocence
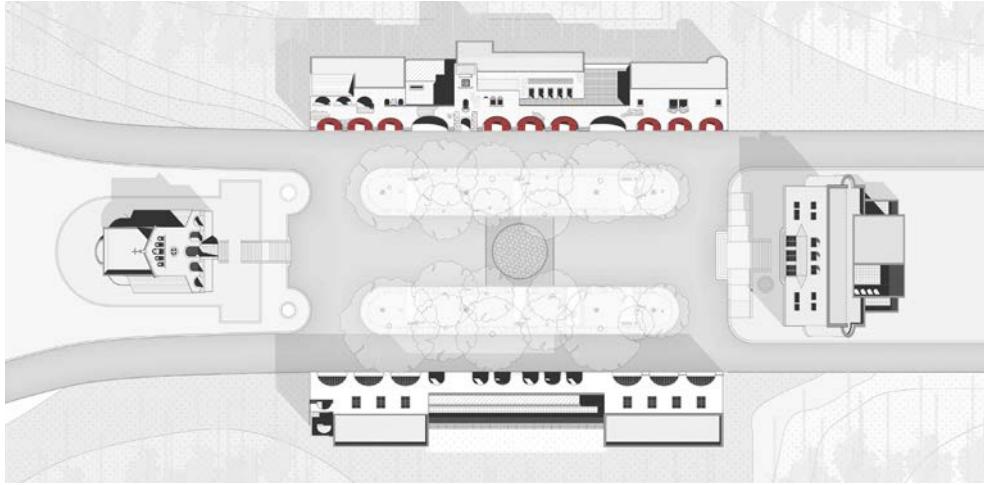
Mike Rostock - Somewhere between forgetting and remembering

Filippo Mecheri - Architecture for Transgression

Kieron O'Sullivan - What if a Dictator Controlled the North? 'Tales from the Dark Side of the City'
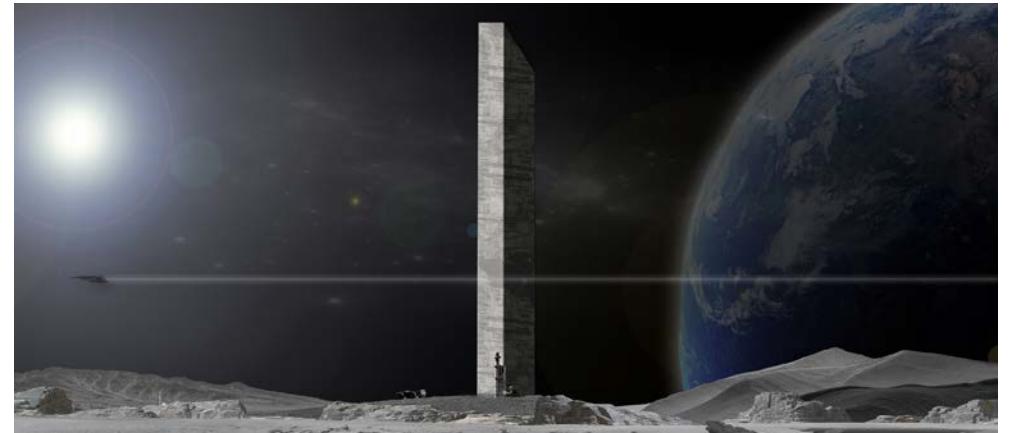
Patrick Millar - SURFACE, the (re)planned obsolescene of a theoretical mining facility on the Moon
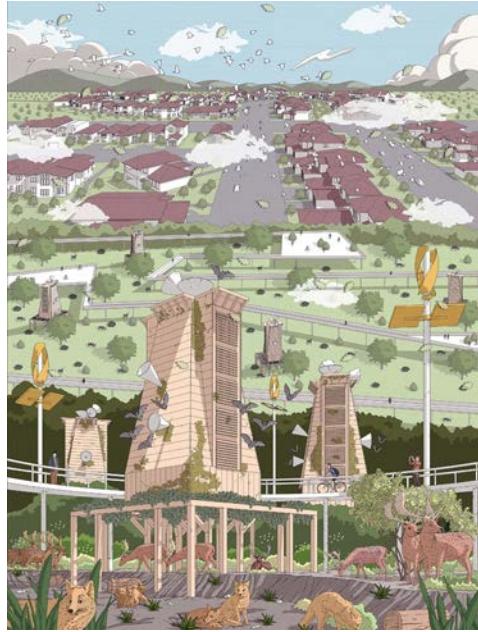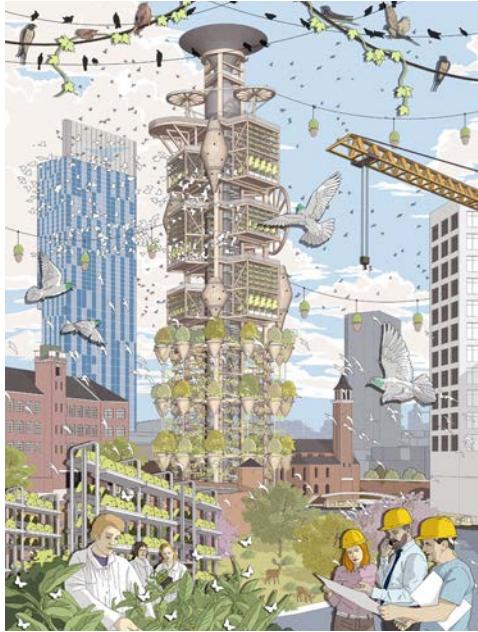
Shuo Pan & Junfu Xiao - Zootopia: An urban planning for rewilding Manchester

Thomas Keen & Hamza Khan - Micro-Manctopia

James Robinson - Rising Tides

Christopher Mcmanigan - Planting a Community
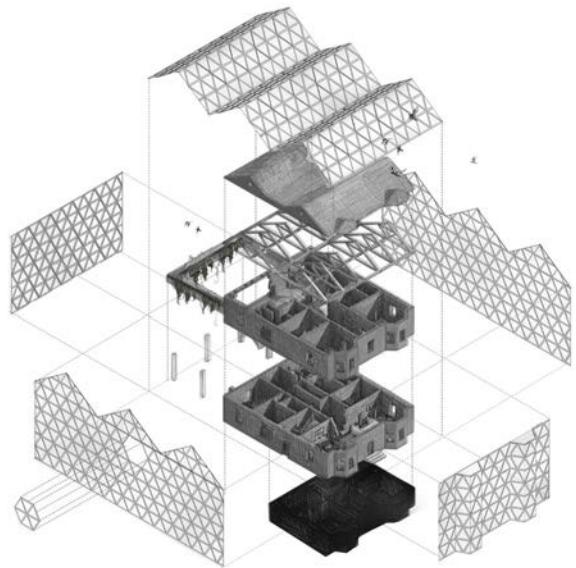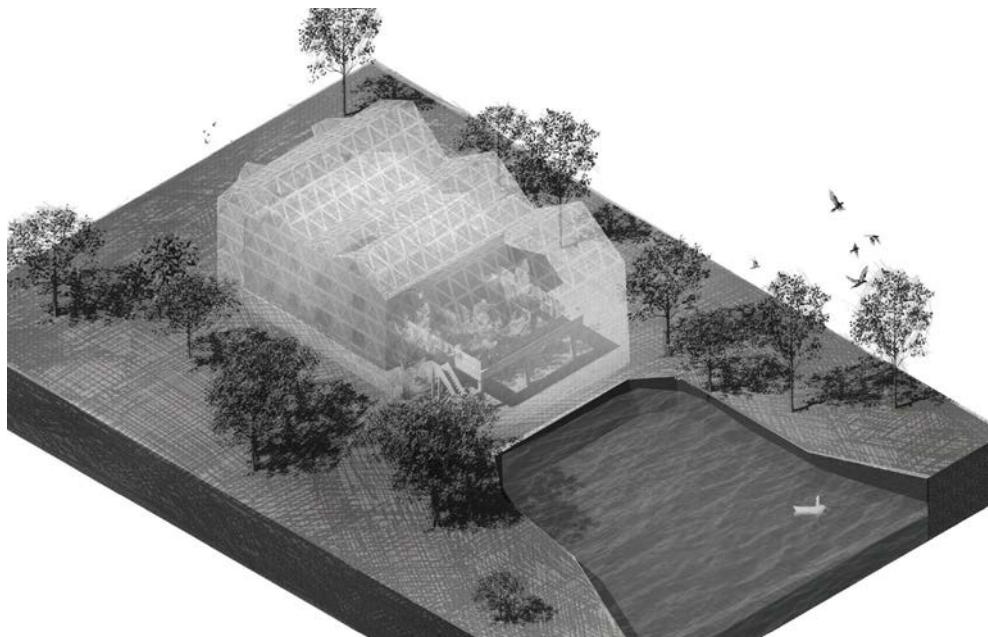
Karolina Vachalova - Silence and light

Daniel Collinson & Tejin Palan - The Nest

Karolina Vachalova - Silence and light
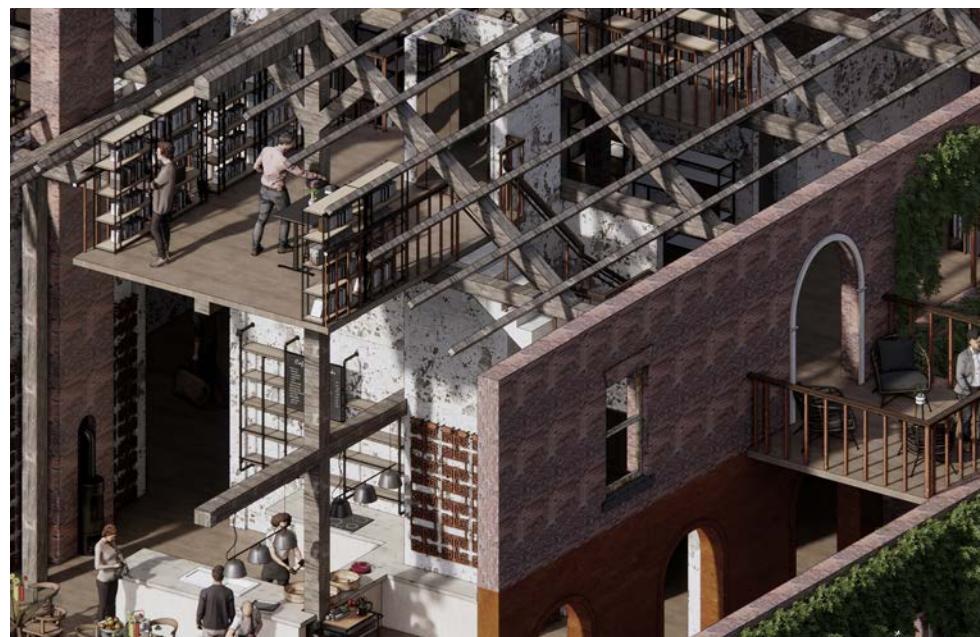
Taha Aldibani & George Cosbuc - Growing Gorton

Grace Corris & Lucy Goodier - Caged: The Avian Experience

Kyra Jennings & Anya Lock - Gorton Baths
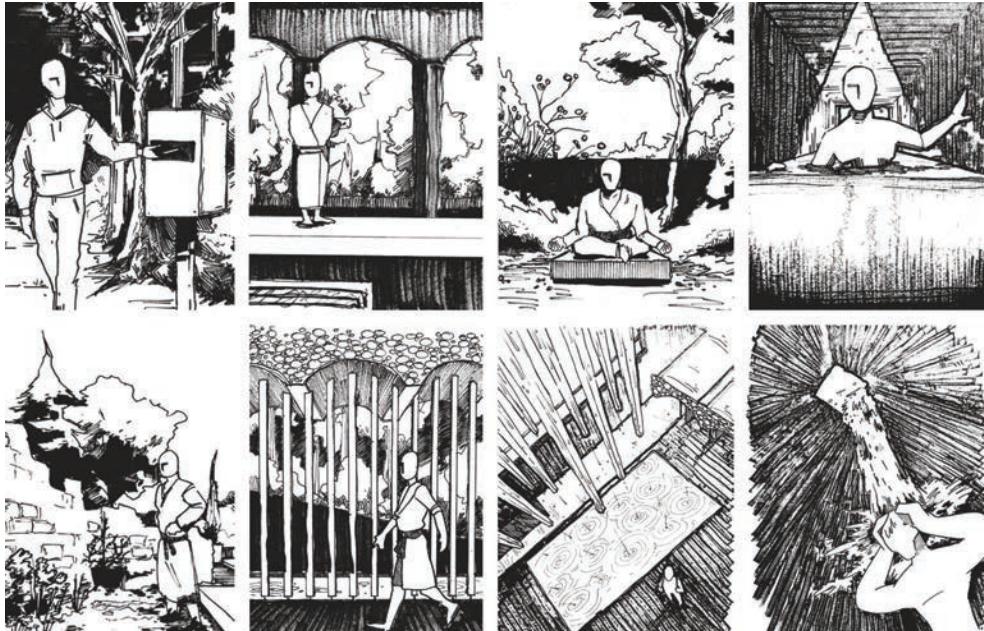
Elliot Flynn & Rebecca Beer - St. Peter's Sensory Seminar

George Cosbuc & Sofia Pamilo - Children's carehome with horse therapy

MArch RESEARCH

RESEARCH 1: METHODS

LEA-CATHERINE SZACKA
Research Methods Coordinator

Introduction

The Research 1: Methods workshop is a taught programme introducing first year master students to research in architecture, developing methodological and conceptual capabilities that are applicable to the disciplines of architecture. The subject of the different workshops will reflect the symbiosis between design practice and history and theory, and allow for scholarship within individual specialisms to be placed within a deeper understanding of architecture as a whole. The workshops will be developed through a series of weekly meetings and intensive working sessions. Research is here understand as a broad umbrella within the discipline of architecture and can be conducted through a set of knowledge and a series of tools and apparatuses for inquiry – from diagramming and mapping to model making and from to archival research to critical reading and oral history. Each Research 1: Methods workshop will be assessed by the submission of a portfolio of words and images that includes both group and individual work.

Hard & Disagreeable Labour
Ray Lucas

Named after a quotation from John Ruskin's Elements of Drawing, this additional workshop was run for students whose intended Erasmus exchanges had been disrupted by restrictions around Covid and revived one of the original workshops. Based on workshop leader Ray Lucas' ongoing research into architectural drawing and other inscriptive practices, this workshop contends that drawing is a valid research method, a way of knowing the world equivalent to the academic text and other forms of knowledge production. Participants in the workshop would produce a drawn biography or catalogue, discussing their workflows and what the meanings of the drawings are.

Figure 16: Colour Film Photograph 35mm

Figure 17: Watercolour Painting

New Choreographies for the Laboratorized City
Albena Yaneva

This course invited students to reflect on the unprecedented laboratorization of urban space witnessed during the Covid-19 global pandemic. They gained methodological skills to trace and scrutinize the transformations of pandemic cities and architectural typologies, as well as the changes in the traditional spatial conventions of urban life. Studying closely a typology of their choice for 3 months (the library, the market, the public square, etc.), they produced an Ethnographic-Sketch-Folio based on observation and secondary materials. Examining the new technologies, pictorial language, citizens' behaviour and politics allowed them to speculate on the role of the architect in a post-Covid era.
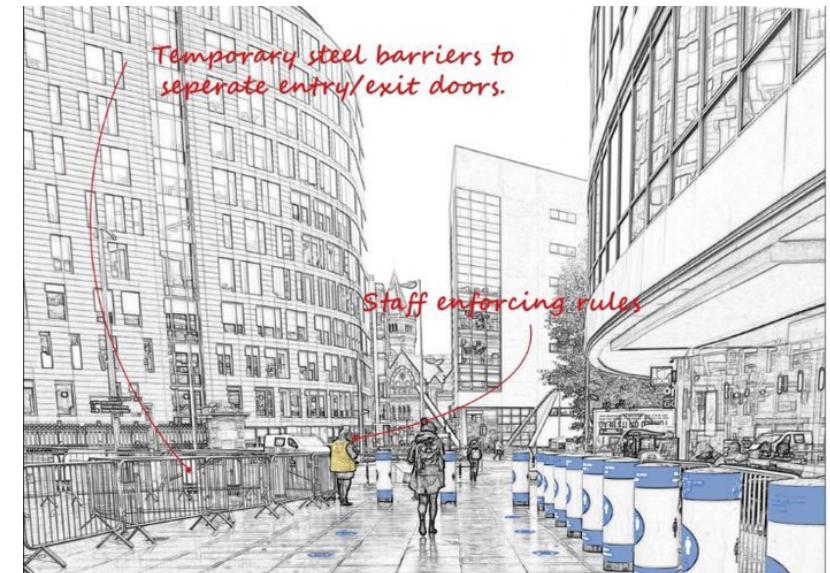
The Gift of Architecture

Łukasz Stanek
TA: Ksenia Litvinenko

This course focused on gifted buildings, from 19th century philanthropic donations, through the 20th century welfare states, colonial and postcolonial developmentalism, buildings that circulated in state-socialist gift economies, and the ways in which secular and religious gift-giving shapes urbanisation today. By discussing the politics, economy, and aesthetics of gift-giving, we studied their impact on the designs, programs, materialities, construction, and uses of buildings across the world, including Europe, North America, Africa, the Middle East, and Asia. The course resulted in an online database of gifted buildings, with the use of which students curated four virtual exhibitions.

Filmic Architecture: Hapticity and Embodiment

Ray Lucas

Filmic Architecture returns for it's sixth iteration in 2020-21. Students are asked to select a director/film-maker and to conduct a series of graphic experiments with the work. A series of tasks are set: reverse-engineer a storyboard from a selection of scenes; draw the plans of key locations; diagrams of montage and movement within the film, examinations of soundscape and narrative structure, questions of spectatorship and the pro-filmic event. Students are introduced to a wide range of film theories and practices, discussing the potential of narrative and characterisation in architecture as well as the overlaps between cinematic and architectural theories. Students are then asked to design a house for their chosen director, build a model, and to make a short film of this house.
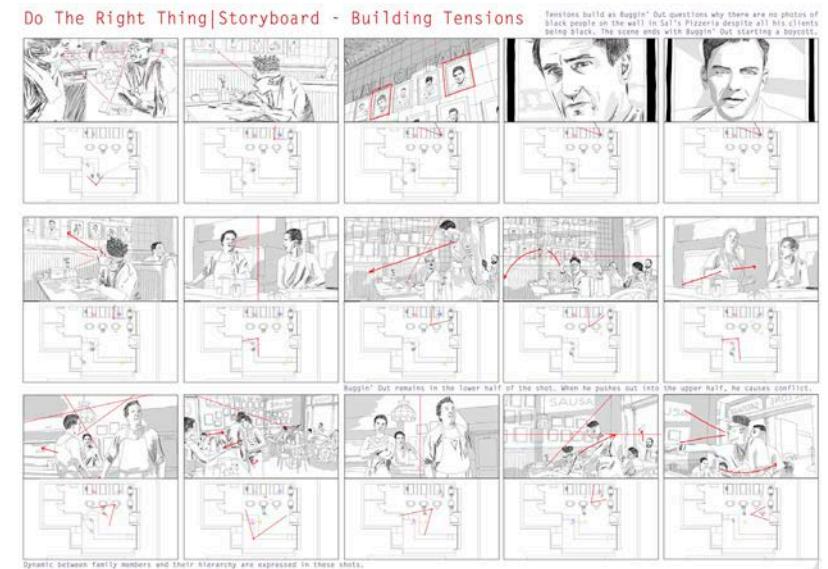
Material Histories of Architecture

Kim Förster
TA: Benjamin Blackwell, Brett Mommersteeg & Adam Przywara

RM4 "Material Histories of Architecture" studied building materials in a transdisciplinary perspective, since the Anthropocene, a challenge to the humanities and to practice, requires rethinking our relationship to energy regimes and the material world. A material perspective, by linking construction site to extraction site and production site, makes commodity chains a topic, opening up architecture's focus to broader political geological aspects, and related issues such as social and environmental justice.
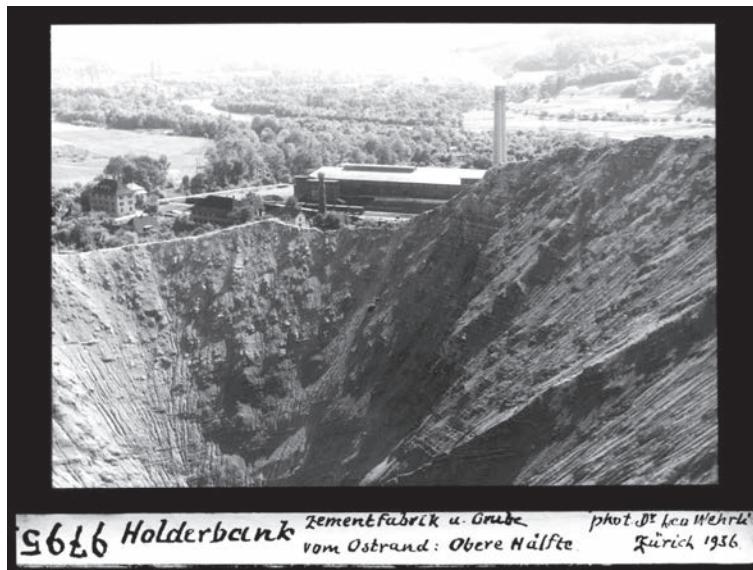
Control and Display (Test and Trace): Mapping the Bodies of Manchester

Stephen Walker
TA: Yahya Gamal

This Research Method workshop explored whether the control and display of bodies might be evident in the architecture and urbanism of Manchester. It focused initially on archival research using maps from the University of Manchester Special Collection, which were analysed in combination with other historical material, architectural plans, legislation, interviews, large datasets, and academic work from various other disciplines. Research situated the issues raised by our recent experiences into longer historical trajectories, in order to examine how attitudes to bodies might be legible in building and city fabric, and how these have been changed over time.

Anna Maria Bezulska, Catherine Zena Parsons, Luke Thomas, Yao Wei - Sub Group 4 (Medicine)
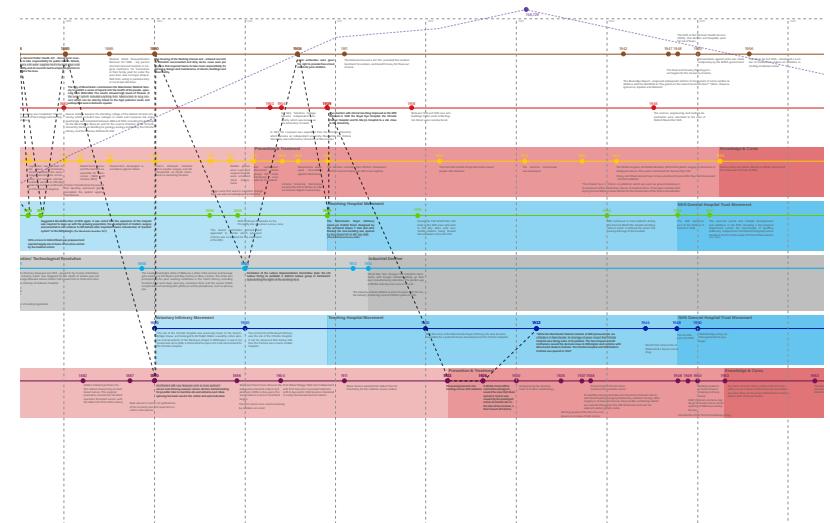
User Representation in Architecture
Alan Lewiss

In our modern, capitalist society, architects rarely have the opportunity to engage with those who will occupy their buildings. Architects' clients are often building contractors, speculative developers or public bodies, rather than individuals who will inhabit the completed buildings. This can make it difficult for architects to understand building users' needs and aspirations. Drawing on Akrich and Latour's concept of user representations and scripts, the course explored strategies for understanding the spatial requirements of unknown users, who might differ from the architect in terms of age, gender, class and ethnicity. These approaches were applied in short design projects.

A Worldwide Book: Charles Jencks & The Language of Post-Modern Architecture, 1977-1991
Łukasz Stanek

In 1977, American cultural theorist, landscape designer, architectural historian and long-time London resident Charles Jencks (1939-2019) published The Language of Post-modern Architecture (1977), a book that, arguably, redefined the architecture discipline at a critical time in history. This course will combine archival research, oral history and various mapping exercises in order to (re) write the history of one of the most important books of late-twentieth century architecture, i.e. Charles Jencks's 1977 The Language of Postmodern Architecture. It will situate the book in its context while analysing its form, content and legacy.

Wendell Lu & Fara Amjad – Design for a nursery school

Thomas Craven, Ryan Dunkley, Harry Alexandras Peach, Philippa Smith and Lucy Wellman
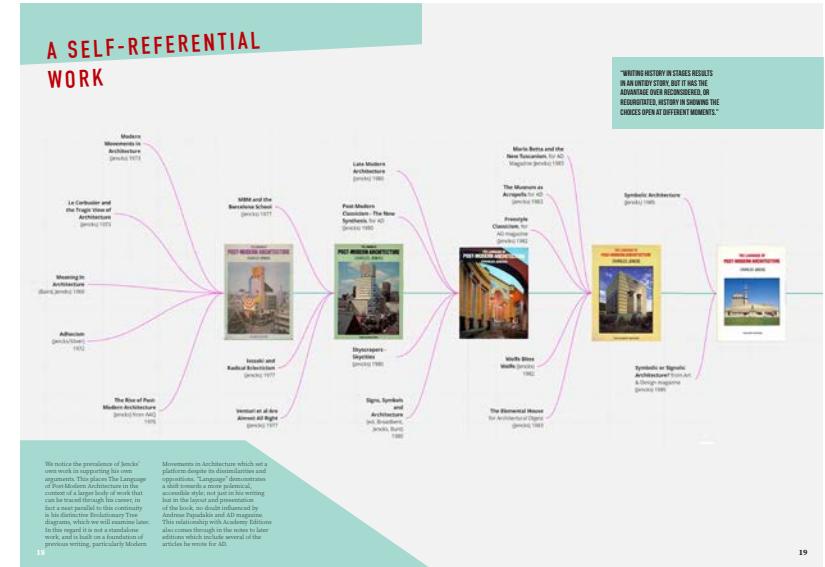
Prefigurative Architectures, Municipalism, Infrastructures & Logistics During the Pandemic
Leandro Minuchin

The workshop examined the architecture and politics of urban logistics. During the pandemic, the spatialities and materialities that sustain the distribution of goods, knowledge and people, were made visible. The conflicts surrounding the governance over procurement networks were made explicit. The workshop will focus on the municipal responses to the logistical struggles prompted by the pandemic. The pandemic fostered a problematization of how urban networks are governed and how are the infrastructures that sustain and reproduce the urban scale, organized and distributed. The groups explored prefiguration as a design tactic, seeking to advance logistical alternatives to consolidate municipal agendas.

Ciudad Futura & Patria Grande – Logistical arrangement for the development of Public Food Companies in Argentina.
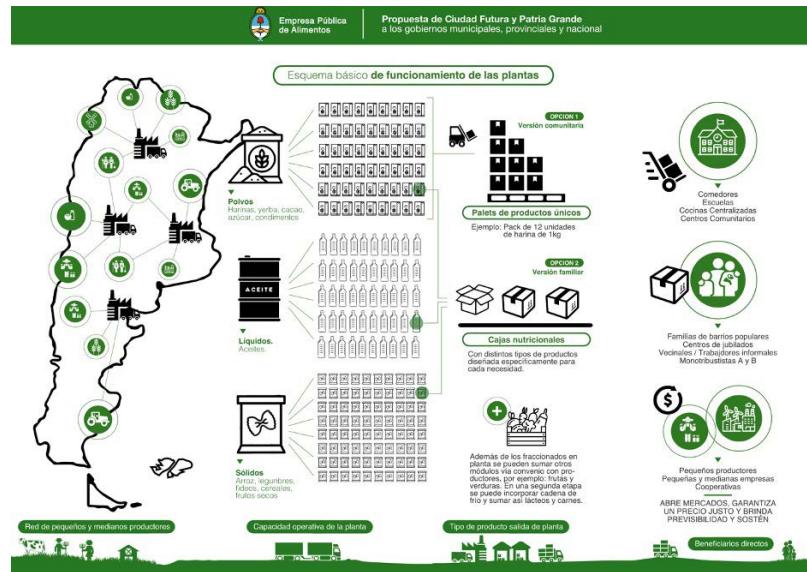
The Landscape & Architecture of Post-Wat Infrastructure: Coal
Richard Brook & Luca Csepely-Knorr

This unit is part of an AHRC funded research project, 'Landscapes of Post-War Infrastructure: Culture, Amenity, Heritage and Industry'. Post-graduate landscape and architecture students worked together to understand the interconnected landscapes of extraction, power production and environmental amelioration through the case studies of infrastructural sites within the Yorkshire coal field. The focus of the unit was to understand and use a variety of methods to interrogate the history and present of these sites, and to contextualise these histories in the broader questions of political and social history. The unit relied on archival research that was made possible by our collaborators, the Museum of English Rural Life, Historic England, the National Coal Mining Museum and the Yorkshire Film Archive. Students made films, models and case study reports.

Ellen Faulkner, Cameron Smith, Madhumitha Babu, Christy Chu, Eunice Ng, Anubhav Rana – Model of Drax Power Station and its networks
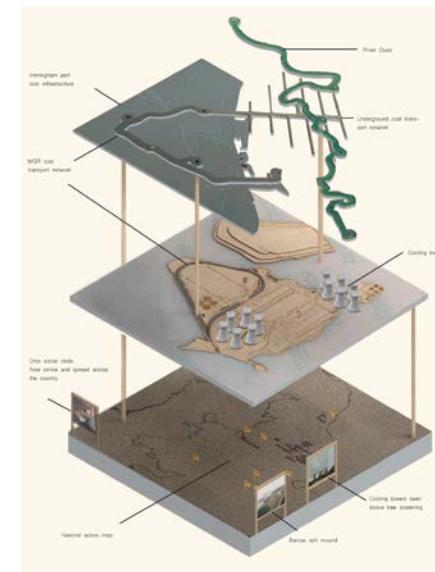
Transdisciplinary Urbanism

Delijana Iossifova

Public toilets play a key role in the transmission and rapid spread of COVID-19. In this course, we developed context-specific and user-friendly guidance for the design of public toilets that pose minimal risk for those who use and maintain them. Students were introduced to the notion of infrastructure and why it matters for public health. The focus was on formal and informal, service-based and physically networked sanitation. Methods

of relevance studied in this course included systematic literature review and autoethnography, grounded theory's constant comparative analysis and more conventional methods of qualitative data analysis.
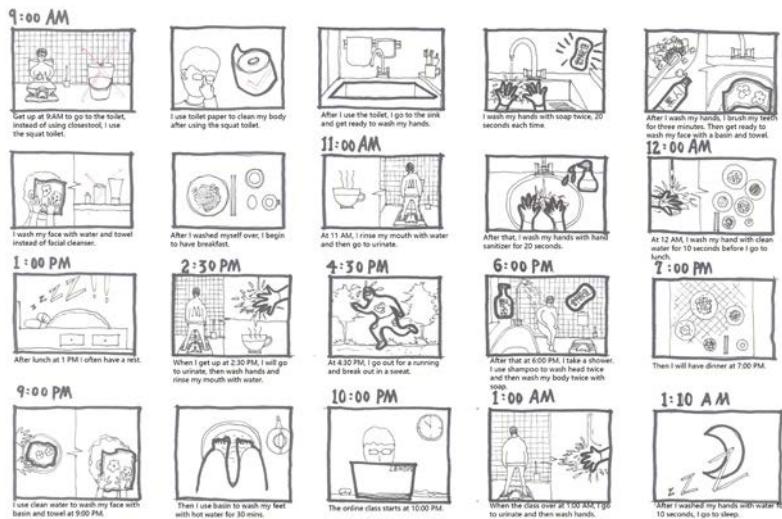
Architecture of Gender

Torsten Lange

This research methods workshop offered an interdisciplinary introduction to gender and queer theory. It consisted of two interlinked components: first, reading and discussion of key texts by contemporary thinkers, and, second, research and writing, applying conceptual tools drawn from these texts to the analysis of a specific local site. Short exercises around bibliographic searches, the role of evidence, politics of citation and experimental

writing practices introduced participants to feminist and queer research methods to counter dominant modes of knowledge production. Students produced collectively authored 'site-writings' that explored aspects of gender and sexuality in relation to particular places within Greater Manchester.

Ebunofe Andu, Nadir Qazim Mahmood, Tim Scopes– 'The Pankhurst Times

RESEARCH 2: DISSERTATION

STEPHEN WALKER
Dissertation Coordinator

Research 2: Dissertation

The dissertation plays an essential role in the development of students' intellectual capabilities and resources, and forms an important vehicle through which the skills of scholarship and research are cultivated and tested. It provides students with the opportunity to develop their own architectural interests through the pursuit of research, scholarship and written argument. The preparation and presentation of a dissertation of around 10,000 words provides the opportunity to take this study to some depth.

The successful completion of a dissertation on a subject of some significance to Architecture and Urbanism contributes to part II of the Royal Institute of British Architects (RIBA) examination. The dissertation task is also structured to meet the Architects Registration Board (ARB) criteria.

The learning outcomes of the dissertation include the understanding of the complex influences on the contemporary built environment of individual buildings, the design of cities, past and present societies and wider global issues. Furthermore, during their work on the dissertation, students get an opportunity to learn about histories and theories of architecture and urban design, the history of ideas, and the related disciplines of art, cultural studies and landscape studies and their application in critical debate. These conceptual tools allow them to understand the complex influences on the contemporary built environment. Thanks to their work on a dissertation, students increase their architectural vocabularies through exposure to, and discussion of, a wide range of issues relating to the built environment.

Students begin work on their dissertations within small groups that are aligned to a stated theme or methodology. Structured research seminars inform individual dissertation proposals. Students progressively develop an ability to critically appraise the spatial, aesthetic, technical and social qualities of a design within the scope and scale of a wider environment. The inter-relationships between people, buildings and the environment are studied by means of various methods and approaches, which this year have been restricted by Covid-19, although students have been fantastically creative and resource in accessing available literature, personal conversations (yet more Zoom!), surveys, field observations, and archival data. Through the dissertation, students acquire research and analysis skills, a competency in crafting coherent, logical and well-written arguments; they develop presentation techniques as well as acquire knowledge about the proper use of citation and referencing conventions.

Education Shock: Learning, Politics and Architecture in the 1960s and 70s |

TROPICAL SCHOOL DESIGN IN AFRICA

This exhibition represents the collaborative effort of students and academics who have worked over a month to source, design develop and compile this exhibit. The project relates closely to the BA Humanities Architecture Elective course title " Exploring Tropical Educational Spaces: Climate, construction and user cultures… ", run by Professor Ola Uduku in Term One, 2020 at Manchester School of Architecture which provided the context for students to engage with 'tropical' architecture and design in West Africa. Elective students Radu Neagoe, Min Jing Toh and Christian Brookes Barnes were central to the conception, design and production of all material for the project. Dr Jacopo Galli, from IUAV, Italy acted as consultant throughout the project's development and evolution and provided invaluable advice in our development of the exhibit.

We are also grateful to Ed Bottoms, archivist at the Architecture Association who provided digital reproductions of the plan and drawings of the Tema school in Ghana/Gold Coast. We also would like to thank Cambridge University's Special Collections for allowing the reproduction of the International School Ibadan Drawings. Finally, we are grateful to Scott Miller and Saul Parker-Backhouse, at the Manchester School of Architecture workshop for helping the students with the printing and packaging of the Tema and Ibadan tropical school models schools on display.

We hope that you enjoy the exhibition.

Prof. Ola Uduku   Dr. Jacopo Galli   Radu Neagoe   Christian Barnes   Min Jing Toh

THE RIGHT TO PUBLIC TOILETS

Politics, Safety, Visibility and Acceptance
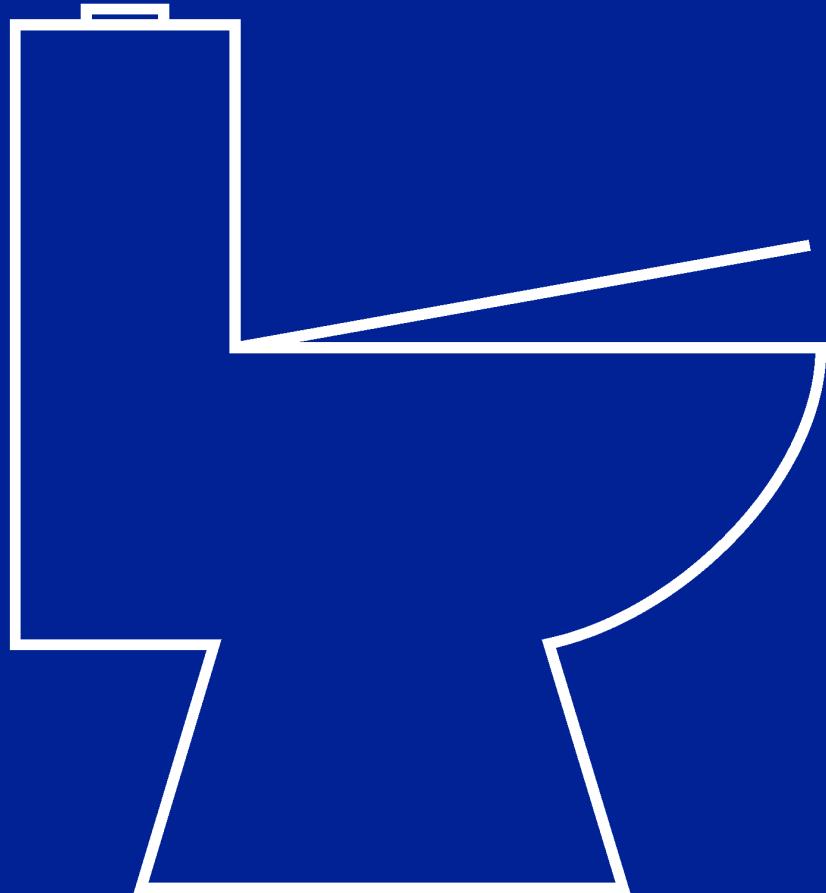
Millie Evans
20057158

MAT BUILDINGS AND THEIR USE IN WELFARE STATE ARCHITECTURE
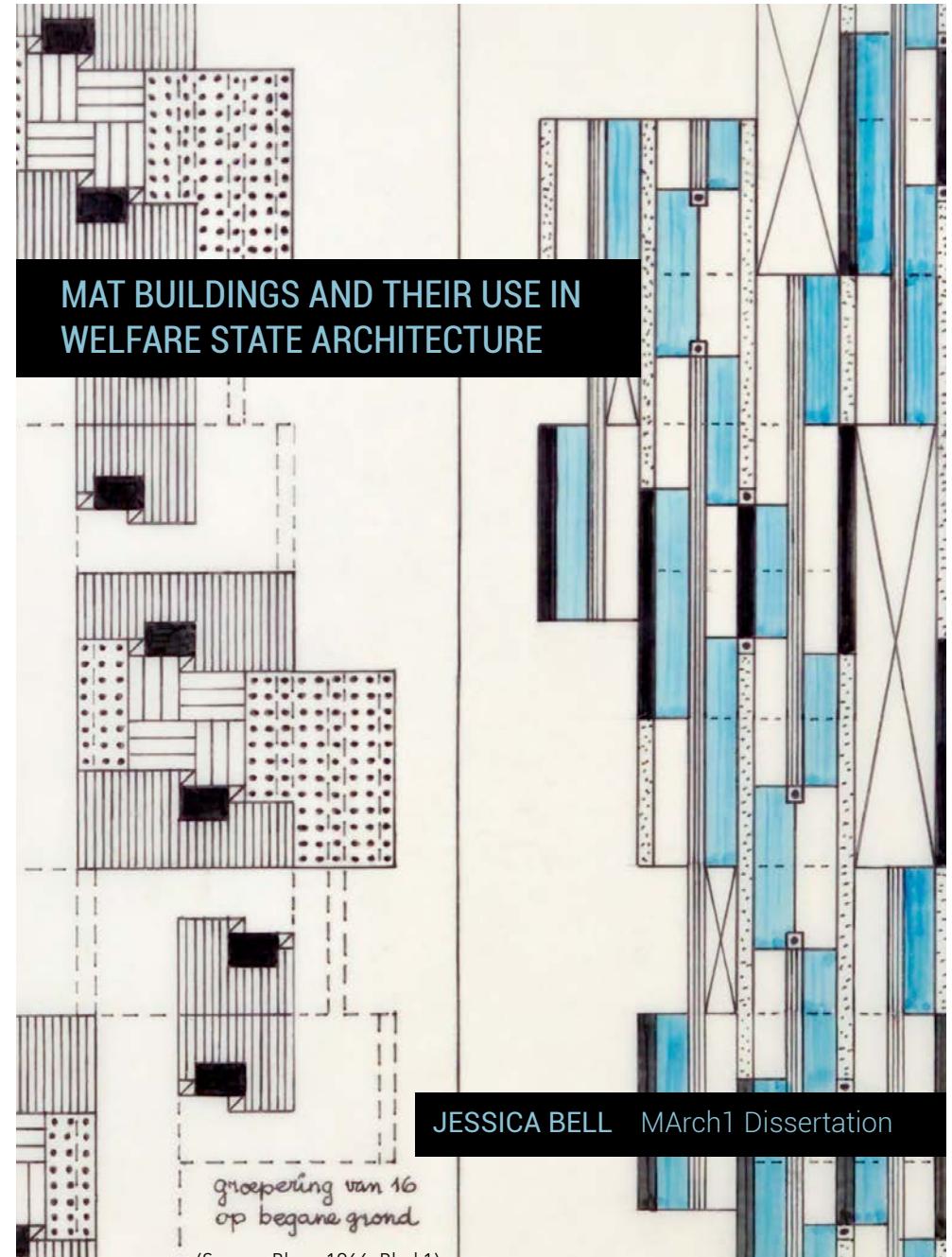
JESSICA BELL   MArch1 Dissertation

groepering van 16
op begane grond

(Source: Blom, 1966: Blad 1)

Millie Evans - The Right to Public Toilets

Jessica Bell - Mat Buildings & their use in welfare state architecture

Art Decentralized

*How the crypto art movement challengs the roles of
centralized institutions in Art World*

Aadil Nagdawala
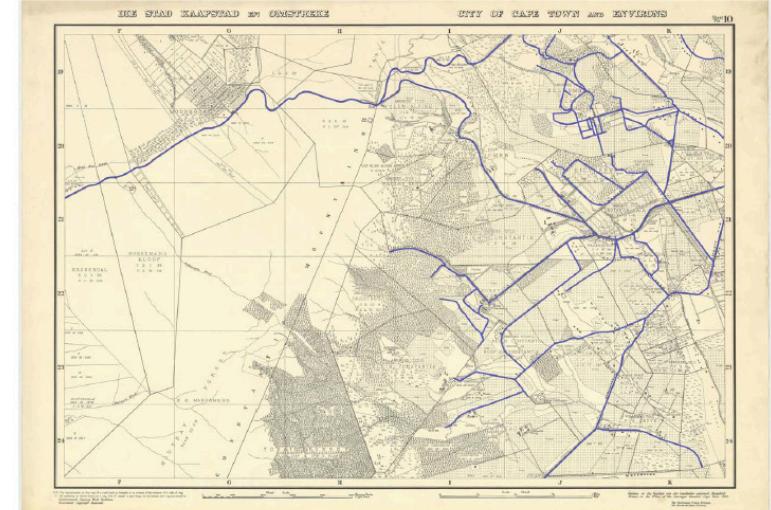
Figure 7: Showing the free formed roads west of the railway, 1931 (Source: Author, adapted from: 1931: Environmental Heritage Resources Information Centre, Cape Town)
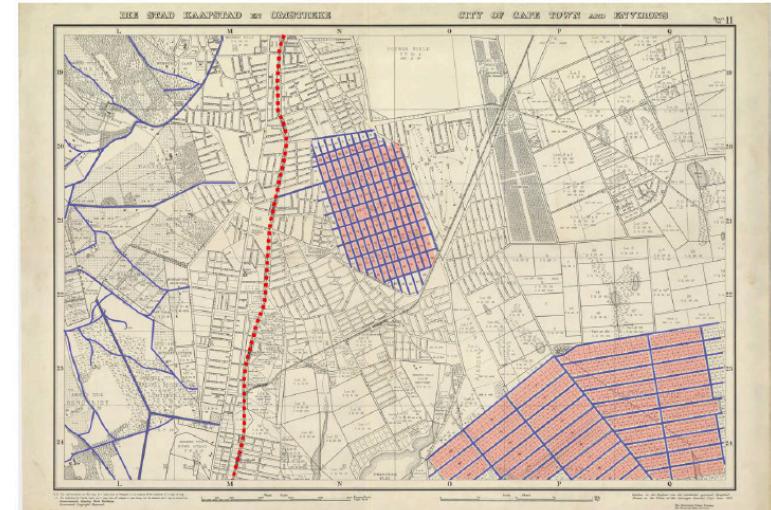
Figure 8: Showing railway that divides the free formed roads west of the railway and the rigid grids on the east 1931 (Source: Author, adapted from: 1931: Environmental Heritage Resources Information Centre, Cape Town)

18

Aadil Nagdawala - How the crypto art movement challengs the roles of centralized institutions in Art World

Rebecca Bear - Mapping urban boundaries in the town planning of Cape Town under apartheid law
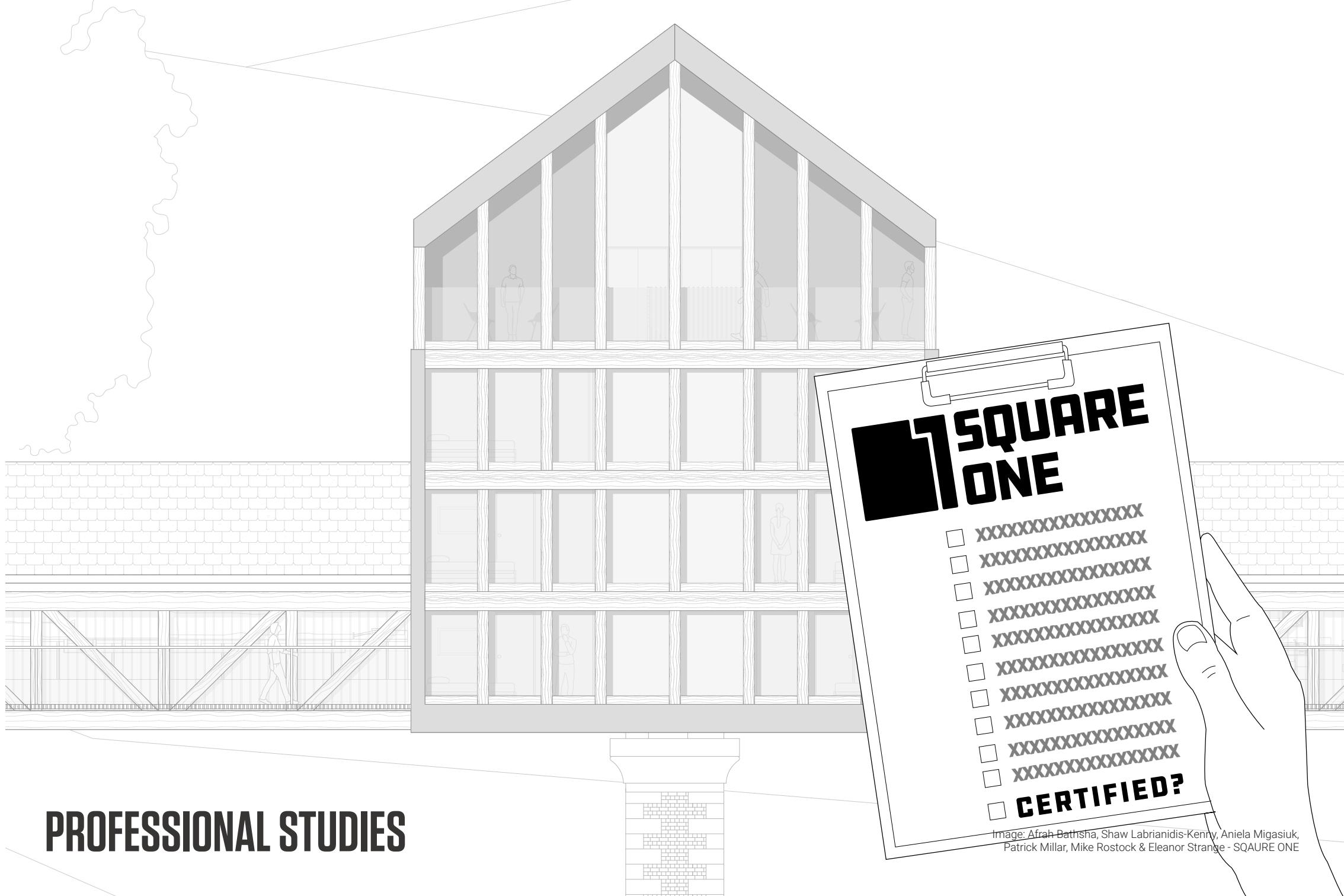
PROFESSIONAL STUDIES

SQUARE ONE

- ☐ XXXXXXXXXXXXXXX
- ☐ XXXXXXXXXXXXXX
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☐ **CERTIFIED?**

Image: Afrah Bathsha, Shaw Labrianidis-Kenny, Aniela Migasiuk,
Patrick Millar, Mike Rostock & Eleanor Strange - SQAURE ONE

PROFESSIONAL STUDIES

STEPHEN MCCUSKER
Professional Studies Lead

Staff
Stephen McCusker
John Hickey

Contributors
Albena Atanassova (Design Delivery Unit)
Amber Beare (House by Urban Splash)
Katie Begley (Harrison Stringfellow Architects)
Ken Bishop (Chartered Surveyor)
Chris Booth (McKellens Chartered Accountants)
Paul Bussey (Scott Brownrigg)
Grace Choi (Grace Choi Architecture)
Ray Clarke (Shaping Business)
Ricardo Codinhoto (Centre for Advanced Studies in Architecture)
Rob Cowan (Planning & Urban Design)
Robert Fesntenstein (RHF solicitors)
Peter Folkman (Manchester Business School)
Gordon Gibb (Gibb Architects Limited)
Sarah Harrison (Harrison Stringfellow Architects)
Sarah Holt (ARB Qualifications Executive)
Colin Haylock (Architect-Planner)
Fiona Hull (Construction Quantity Surveying)
Kal Gill Faci (Smithers Purslow Architecture & Planning)
Bill Ibram (Chartered Surveyor)
Paul Iddon (Agency PSI)
David Kaisermann (Planner)
Alistair Kell (BDP)
Simon Lay (OFR Fire Risk Consultants)
Alan Lewis (Constantine law)
Liz Male (Liz Male Consulting)
Chitra Marsh (Buttress Architects)
Kevin Maule (B. Maule & Co. Ltd)
John Miles (Assent Building Control)
Ken Moth (Heritage Architect)
Faith N'geno (Social Science Researcher)
Nigel Ostime (Hawkins Brown)
Harry Rich (More Potential, former RIBA CEO)
Carys Rowland (RIBA Head of Professional Standards)
Mike Ryan (Futurist)
Dami Sanda (Assael Architecture)
Jane Simpson (JSA Access Consultancy)
Sumita Singha (Ecologic Architects)
Gary Titley (Politician & Former MEP)
John Walker (Walker Simpson Architects)
Pierre Wassenaar (Stride Treglown Architects)

Professional Studies
At Part 2 (MArch) level, Professional Studies ensures that students have the opportunity to evidence how they have gained knowledge of the industries, organisations, regulations and procedures involved in translating design concepts into buildings and integrating plans into overall planning.Through a series of lectures by staff and practising experts, the students gain a better understanding of the professional world of architecture before demonstrating how they can apply that on their own projects.This year the students relished the opportunity toreview a previous studio project and discuss how they could improve it with their enhanced knowledge. They also formed a theoretical practice to showcase how they might put a business together and benefit from current or future trends in construction and design, often reaching beyond the 'traditional;' model of practice. This year there have been an inspirational set of proposals that have a firm social or ethical foundation, consider post-pandemic working on a global scale, the re-use of redundant plane parts of stadium spaces, energy and climate change challenges and the digital future —one group has also written an article for Intelligent Architecture about modular construction
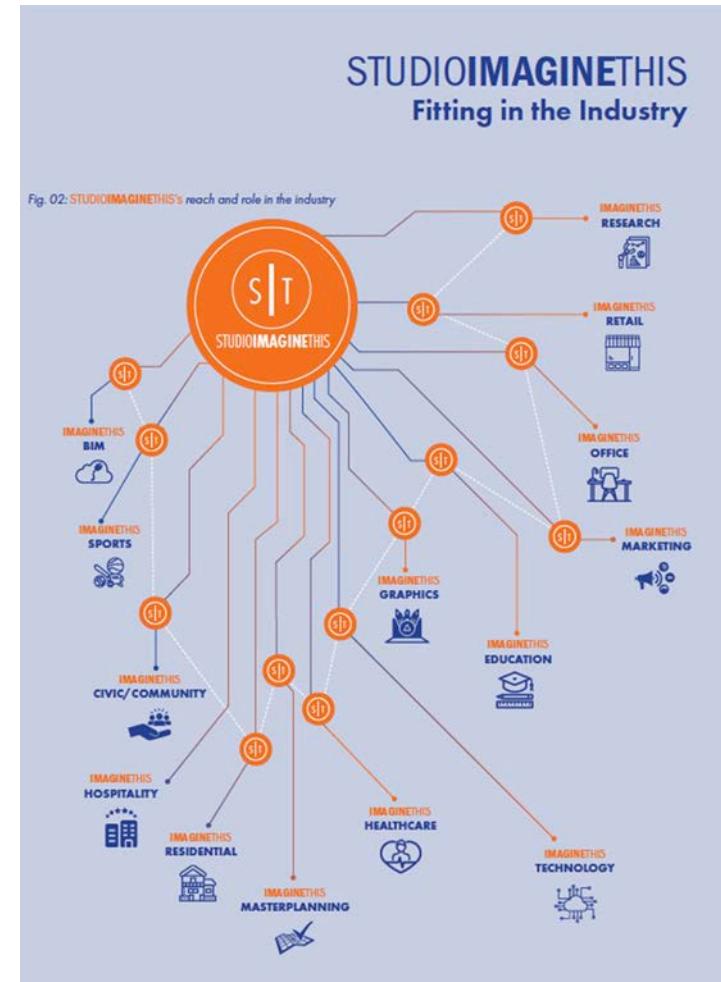
Studio Imagine This

We Create Communities of Builders.
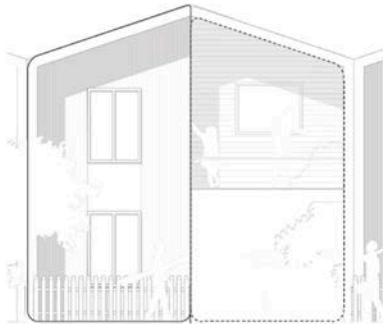
We design & build phase one to completion.

- Phase 01 is funded by client/investor.
- Phase 01 is owned by client/investor.
- Investment funds the materials for phase 02
- Incremental construction means the property increases in value with use.

archiPact teach community to build the rest.

- archiPact teaches community through design charettes and forums.
- Additional help from student engagement in exchange for learning experience.
- Affordable housing for those who need it.
- Adaptable homes for those who use it.

Our Solution.

Co-operative Housing.

According to many professionals and researchers, architectural practice is the professional engagement of Architects in the design and construction of buildings as a service to their employer, otherwise referred to as the Client; selling their services whilst complying to the various statutory constraints of relevant authoritative bodies such as the RIBA. Architects and researchers before us, have highlighted three key agencies in architectural services: the Architect, the Contractor and the Client.

I. Conventional Home
A typical home which could be unaffordable depending on the location and type of construction.

II. Divide into shared ownership
Increase the capability of owning a property with the basics.

III. Incremental Construction
Expand based on the ability and needs of the client through a collaborative process.

Figure 04.
Diagram illustrating incremental construction concept (author's own)

Design for expansion...
In the future, there could be innovative alterations and adaptations to the housing. The possibility of stacking to create more space for the individual house or to provide extra housing for more residents are ways to mitigate the cost of expanding horizontally which requires land cost issues. Designing for expansion creatively and flexibility for the unknown future is the way to go.

"We don't design buildings but design **opportunities** for impact. The idea of 'opportunities' is very much ambiguous but at the same time it gives so much more room for creativity as an architect. The whole idea of **cross-disciplinary approach** and not just solely architecture is what the future of architecture should be. " - archiPact
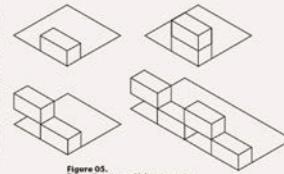
Figure 05.
Diagram illustrating possible future interventions (author's own)

Archipact - co-operative housing

OUR SOLUTION

TACKLING GLOBAL CRISIS THROUGH AND ENVIRONMENTAL PERSPECTIVE

RECYCLE
Partnering with the aeroplane bone-yards to buy aeroplane parts, such as Air Salvage International. The example of the Boeing 747 holds **6 million parts of which 85-89%** is successfully recyclable (Aircraft Disassembly & Scrapping, 2020)

REBUILD
Using salvaged airline parts, focusing on purchasing the fuselage centre, the AeroPod team manufactures and designs bespoke new homes through quick and efficient construction methods

REUSE
New Pods can be re-formed or can be re-sold and recycled back to the industry for 'take off' once more or aid the housing industry of the creation of modular homes to cope with the demand of increased housing around the world

AERO POD

Aeropod - Plane parts Re-use proposal

Practice Structure

Our Setup

- By year 5, we will have 3 offices located in different town centres across the Greater Manchester Borough
- Each office will have at least one director responsible for bringing in and managing the office workload
- Although each office has different specialties, our ethos and commitment to each and every project is practice wide.
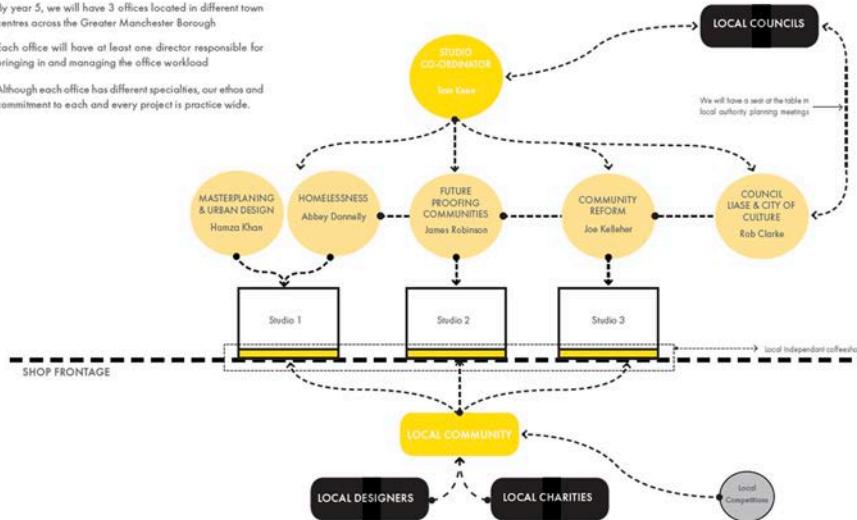
Catalyst - Business structure

BUSINESS PROPOSITION
The "Gap" in the Existing Housing Market + 2 Emerging Markets

The 3 Markets:
- Office space conversion in City Centres
- Affordable Modular Housing
- Digitalisation of the Construction Industry

Passive Revenue Streams = Stable + Resilient Company
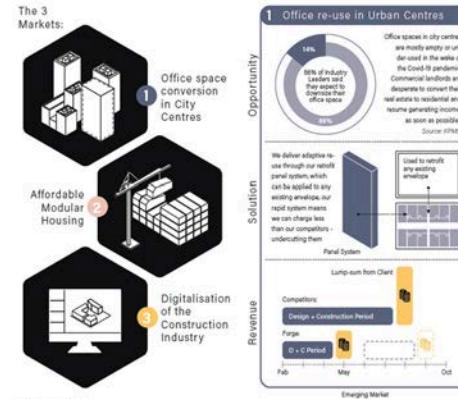
Forge - Modular Design Proposal

Olympia_stadium Reuse Proposal

Sandra Rotarescu - Reflective Diagram

Sonia Mancxia Balaguru - Designing with Fire regulations

Sophie Chappell - Designing with Fire regulations
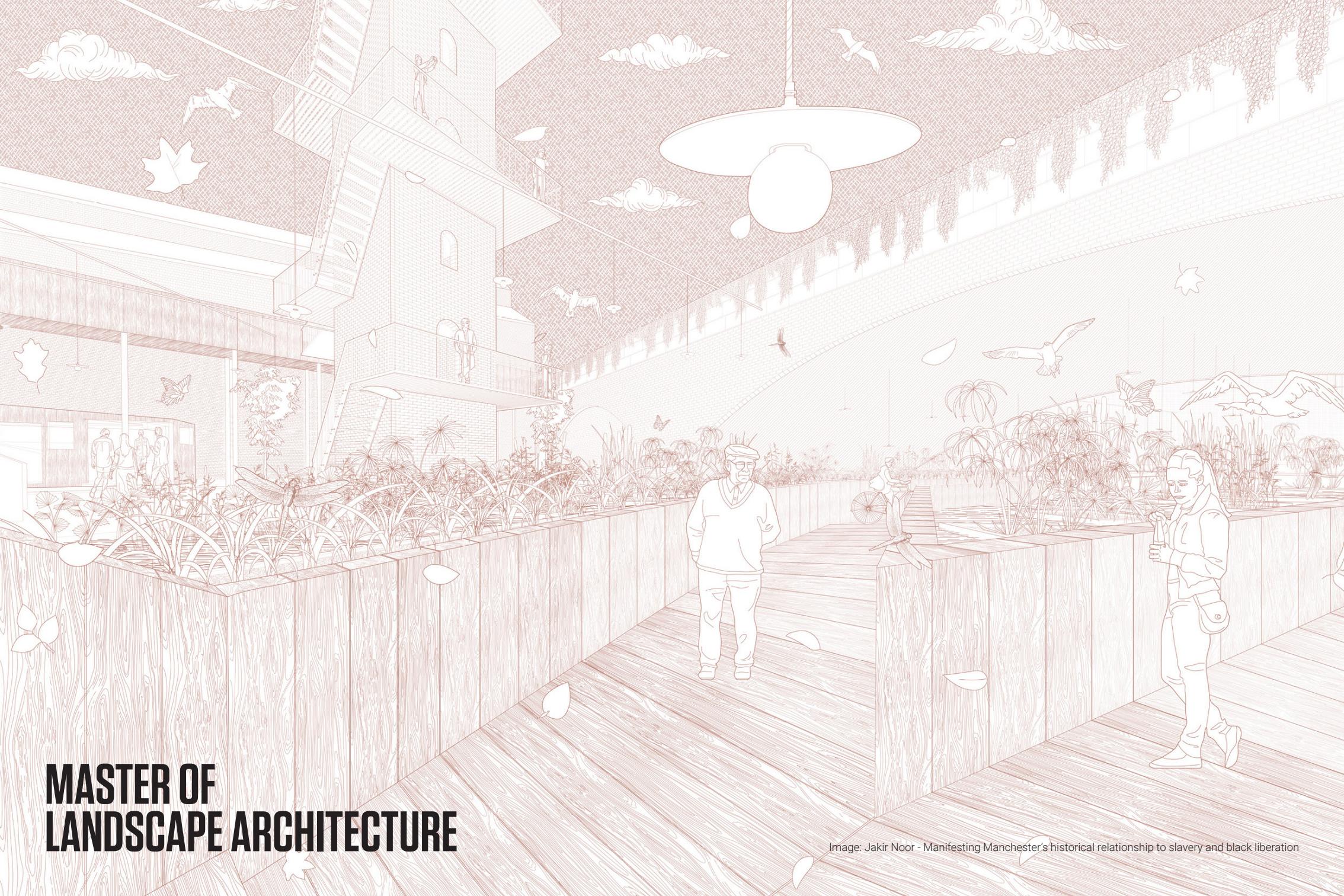
MASTER OF LANDSCAPE ARCHITECTURE

Image: Jakir Noor - Manifesting Manchester's historical relationship to slavery and black liberation

MASTER OF LANDSCAPE ARCHITECTURE

LUCA CSEPELY-KNORR & BECKY SOBELL
MLA Programme Leaders

Staff
Charlotte McLean
Eddy Fox
Ian Fisher
Jo Phillips

Master of Landscape Architecture
Against a backdrop of world-changing events this year, matters central to landscape architecture have come to the fore. COVID-19 has highlighted issues of unequal access to green space and the health benefits afforded by nature; the ecological and climate crisis remain an existential threat to us all, and with COP26 on the horizon we hope for urgent action by those in power.

Landscape Architecture has an immense amount to offer as a stitcher-together of communities, ecologies, and places. Our specialist skills bridging biological sciences, creativity, technical knowledge, and co-ordination could not be more relevant today. Within the context of practice, built environment professionals are all bound by financial and regulatory limitations. The Master of Landscape Architecture at MSA offers space to experiment beyond these margins.

This year we implemented several changes to our course. We brought landscape architecture and architecture students together through research, live projects, and through the MSA Atelier system. The MLA Open Lecture series and contributions to MSA Provocations gave a platform to ongoing global discussions. While continuing to deliver a fundamentally landscape architectural and accredited education, we are collaborating across disciplines. Our aim is to afford a dialogue between built environment professions, encouraging mutual learning, respect, debate, and cooperation. We surely need this approach to navigate the shared challenges that lie ahead.

Our students responded to the constraints of the pandemic with immense resilience and creativity. As they continue their paths into the profession, we urge them to continue to think critically about what landscape architecture can be and to push at the boundaries of the profession.

Image: Evelyn Boyce - The geological drift section of the Manchester Basin as a representation of time

MLA 1

EDDY FOX
MLA 1 Leader

Staff
Ian Fisher
Eddy Fox
Jo Phillips

Specialist Contributors
Helen Buckle (Planit-ie)
Jonny Miley (Exterior Architecture)
Marcus Fisher (Exterior Architecture)
Neil Swanson (Landscape Projects)
David Livesey (Re-form)
Mark Murphy (Land Use Futures)
David Rudlin (Urbed)
Ed Lister (Planit-ie)
Laura Parsons (Landskab)
Adam Lurie (Plant Partner)

Students
Abdullah Alamoudi
Michael Bacon
Amos Booth
Manika Bhalotiya
Evelyn Boyce
Sam Ji Haw Chi
Laura Iddon
Nikita Nangia
Eddie Pugh
Gayathri Ravichandran
Anjana Suresh
Clare Eaden
Daniel Morgan
Jessica Peach

MLA 1
In the first part of the MLA students from varied academic and professional backgrounds develop foundational skills and knowledge for the discipline of landscape architecture. They bring valuable expertise and perspectives from diverse countries, cultures, qualifications and experiences. This year our students developed critical and individual approaches, through a pedagogy based on dialogue, experimentation and collaborative learning. The development of design and communication skills in studio units was underpinned by the acquisition of historical, theoretical and technical knowledge in Landscape Studies, but all elements of the course are interconnected and complementary. The involvement of multiple guest tutors, from landscape practice and related areas, grounded students in current practice and developed engagement with the wider profession.

MLA 1 Studio
In Atelier 1A students tested a range of skills and knowledge, including research, idea making and testing, design development and representation. The framework for this process was explored through the function and scale of different landscape topologies; Garden, Park and Landscape.

In Atelier 1B students focussed on the complex relationships between space, function, built form and environment in the context of an historic but semi-derelict urban infrastructure, adjacent to Lancaster city centre. They used this as a foundation to develop design proposals for the role of communal and public space in the development of a resilient, sustainable and liveable urban quarter. Finally, MLA1 worked in multi-disciplinary student-led teams on live projects in MSA Live (see separate section).

MLA 1 Landscape Studies
Landscape Studies consists of two interconnected strands. Landscape Studies 1 situates landscape practice within its historical and theoretical context. This year students explored ideas in the complex and evolving relationship between human culture and its environment, as manifested in the landscape. Landscape Studies 2 introduced students to a range of processes and systems which are generators of landscape. Knowledge is acquired through talks and presentations, collective and individual research, as well as dialogue and discussion to further explore the materials of landscape, both living and inert, and their application in design. Information and ideas are developed through project work, based on case studies and site investigations.

Laura Iddon - Exploring the idea of 'Park' through negative space
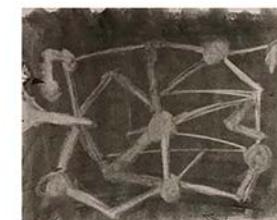
Evelyn Boyce - Sketch Model for 'The Garden'

Nikita Nangia - Reconfiguring the Mancunian Way, Design Development
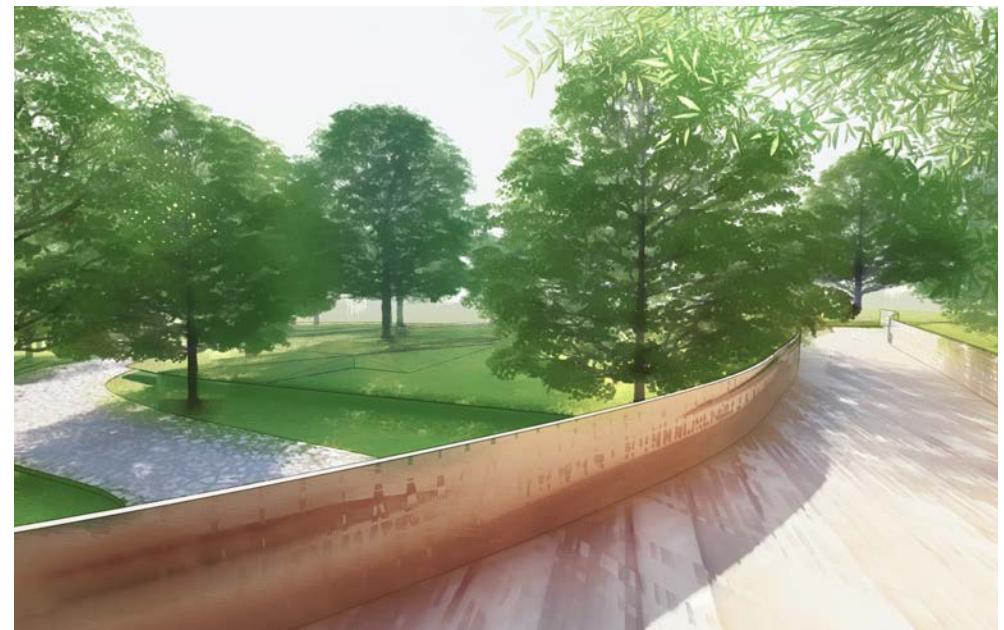
Gayathri Ravichandran - Exploring topography to reinvent the Victorian urban park
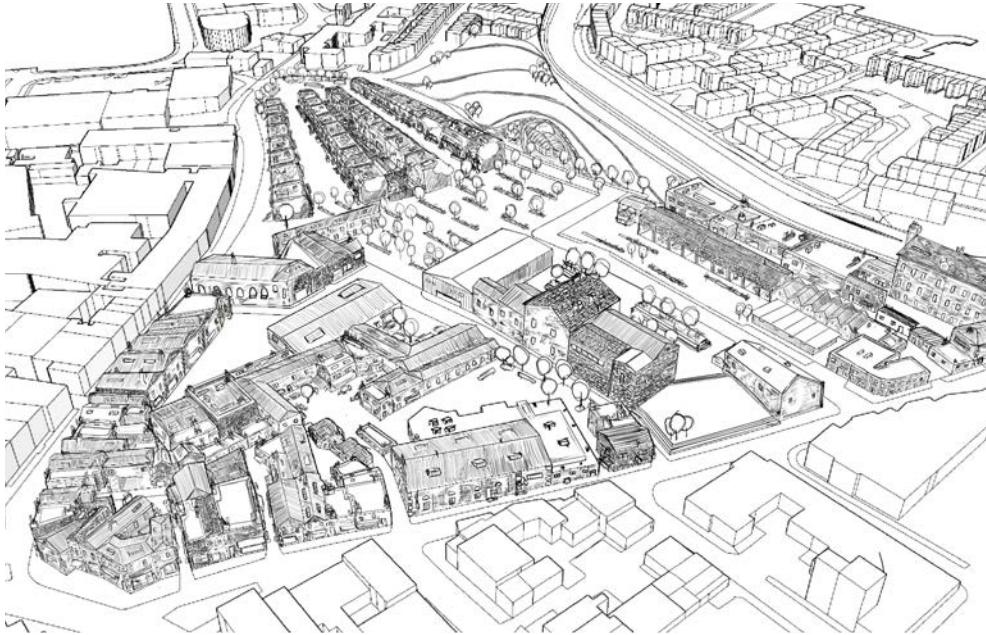
Abdullah Almoudi - Birdseye views of proposed reconfigurations of the Lancaster Canal Quarter

Amos Booth - Perspective
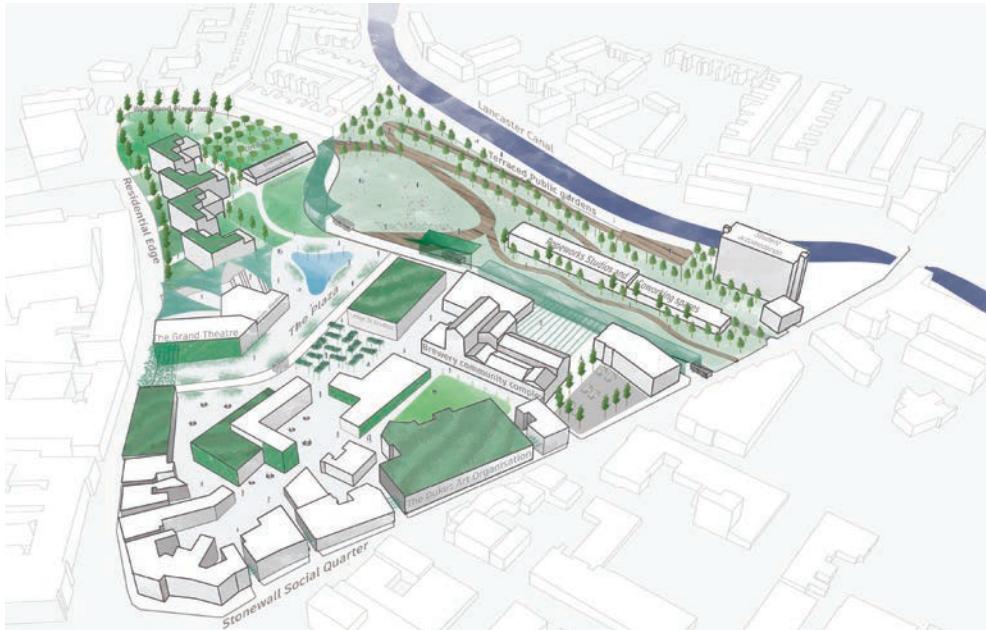
Evelyn Boyce - Birdseye views of proposed reconfigurations of the Lancaster Canal Quarter

A. Alamoudhi, D. Morgan, G. Ravichandran - Garden for the Homeless, A vegetable garden to engage with homeless people through cultivation

A. Alamoudhi, D. Morgan, G. Ravichandran - Garden for the Homeless

A. Alamoudhi, D. Morgan, G. Ravichandran - Garden for the Homeless
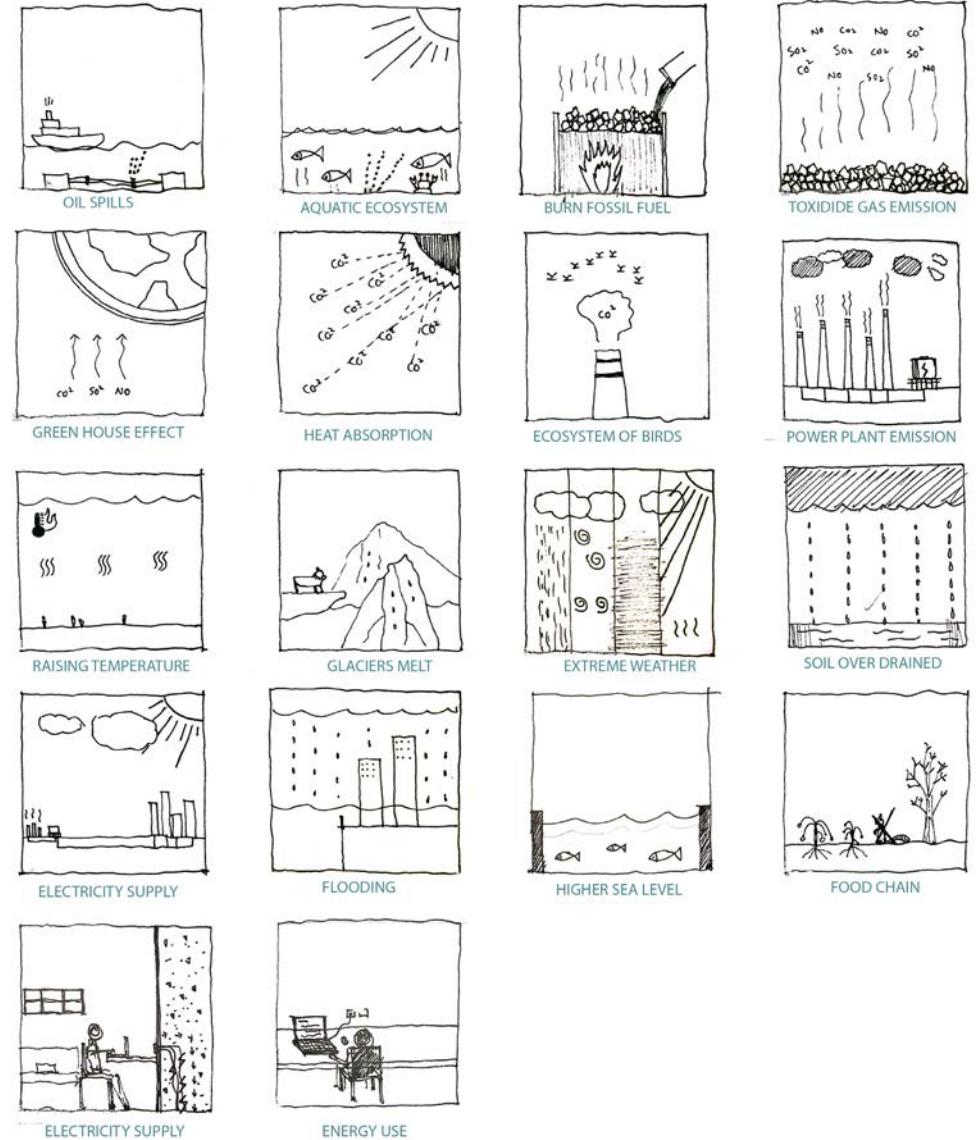
JI Haw Chi - Exploratory storyboard of our everyday role in ecological destruction
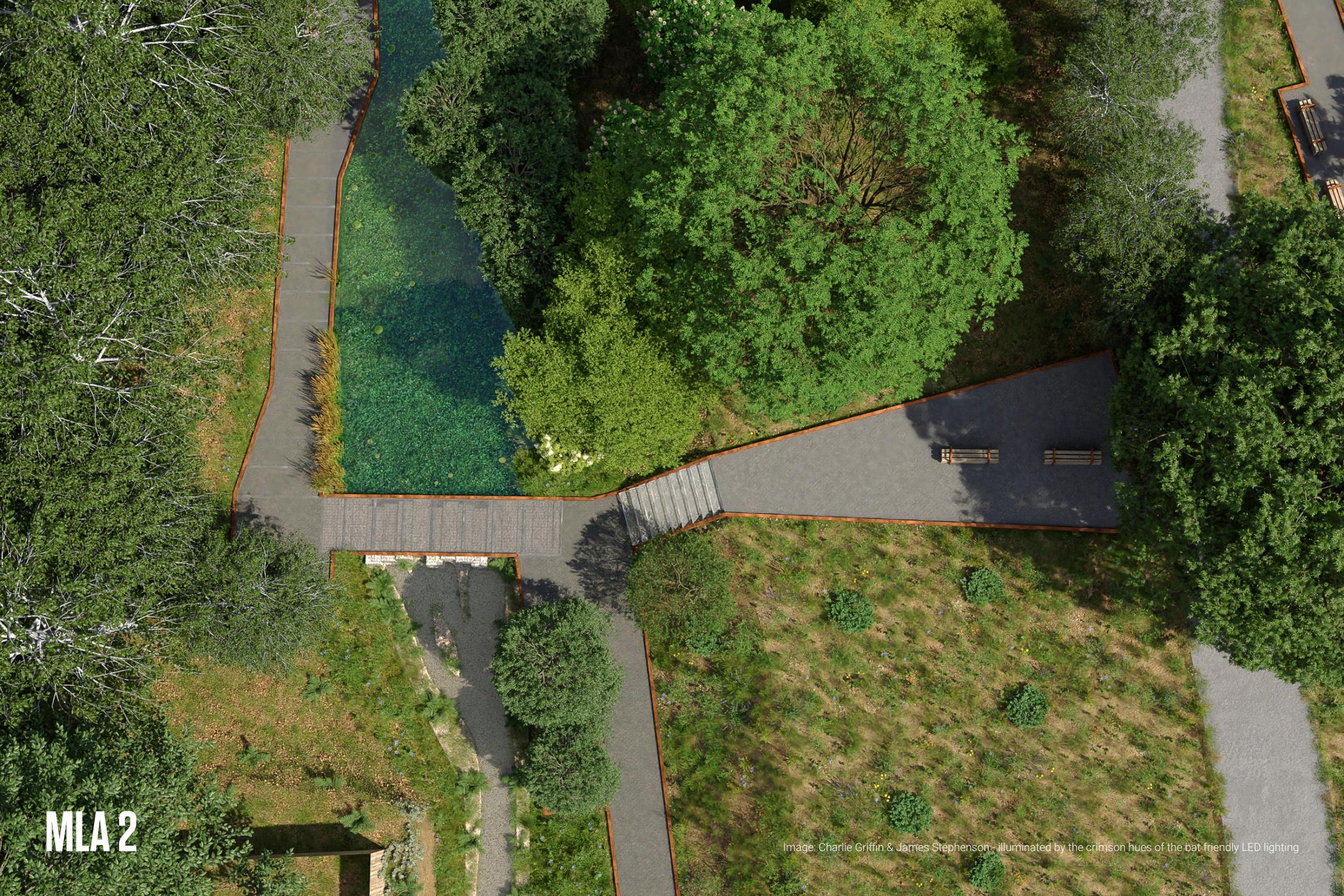
MLA 2

MLA 2

BECKY SOBELL
MLA 2 Leader

Staff
Becky Sobell
Charlotte McLean
Eddy Fox
Ian Fisher
Jo Phillips
Luca Csepely-Knorr

MLA 2
The MLA2 has undertaken a series of pedagogic developments aimed at promoting multiple critical approaches to practice, a wide range of analytical approaches, and interdisciplinary working. All of the above mean that our graduate pool has a broad range of experience, and networks from across the Manchester School of Architecture.

We retain separate teaching elements such as project briefs which ensure that landscape architectural learning outcomes and focus are central. The MLA2 cohort are taught by landscape architects with contributions from architect colleagues.

Shared timetables across units allow co-teaching with architecture cohorts when desired. Common deadlines also allow for the co-ordination of our exhibitions and more interaction across the school. Combined lectures enable access to wide range of ideas from a large pool of experts.

Our studio units have for the first time aligned with the MSA atelier system. This research-led teaching means our students can forge their own path through their studies, with diverse atelier themes encouraging distinct methods and emphasis.

Image: Ann-Julia Hsien Wu · Exploration of water filtration and recycling forest biodiversity · human-nature

MLA 2 &RCHITECTURE

EDDY FOX
MLA 2 Atelier Lead

Staff
Stefan White
Mark Hammond
Kasia Nawratek
Victoria Jolley
Angela Connelly

Specialist Contributors
Stephen Buckle (Aspect Studios)
Katy Cardwell (Atkins)
Jenny Ferguson (BDP)
Philip Hall-Patch (Heatherwick Studios)
Mike Wells (Biodiversity by Design)
Jos Boys (The Bartlett)
Dhara Mittal (STUDIO 23N72E)

Students
Madhumitha Babu
Shreyansh Barua
Yingman Gao
Aakanksha Khatri
Laura Lok-yu Lee
Jakir Noor
Anubhav Rana
Vanessa Streets
Edmund Toomey
Jason Wong
Ann Jou-Hsien Wu

MLA 2 &rchitecture
The &rchitecture Atelier is based on the principle of 'Starting from Difference' and adopts a range of strategies which challenge students to consider and explore landscapes from multiple points of view, encompassing both their diverse animal and plant communities as well as human user groups. Our approach is 'ecosystemic', in that it begins from an understanding of the complex webs of social and ecological interactions which landscapes both reflect and stage. Design is considered more as a seed, catalyst or virus than a formal outcome, and students are encouraged to explore potential scenarios rather than the imposition of a deterministic end product.

This year, students have explored the entangled relationships between waterways and their urban context, under the theme of 'Invisible Rivers'. Specifically, they looked at the Medlock, one of the rivers which drove Manchester's development into an industrial powerhouse. From this starting point students developed individual projects based on their own readings of conditions identified along the river corridor. These included: explorations of complexity and emergence theory, phyto and myco remediation, rural modernism, constructed wetlands, slavery and the black liberation struggle, urban foodscapes and revealing time and history.

Aakanksha Khatri - Myco and Phyto remediation to reappropriate brownfield sites along the river
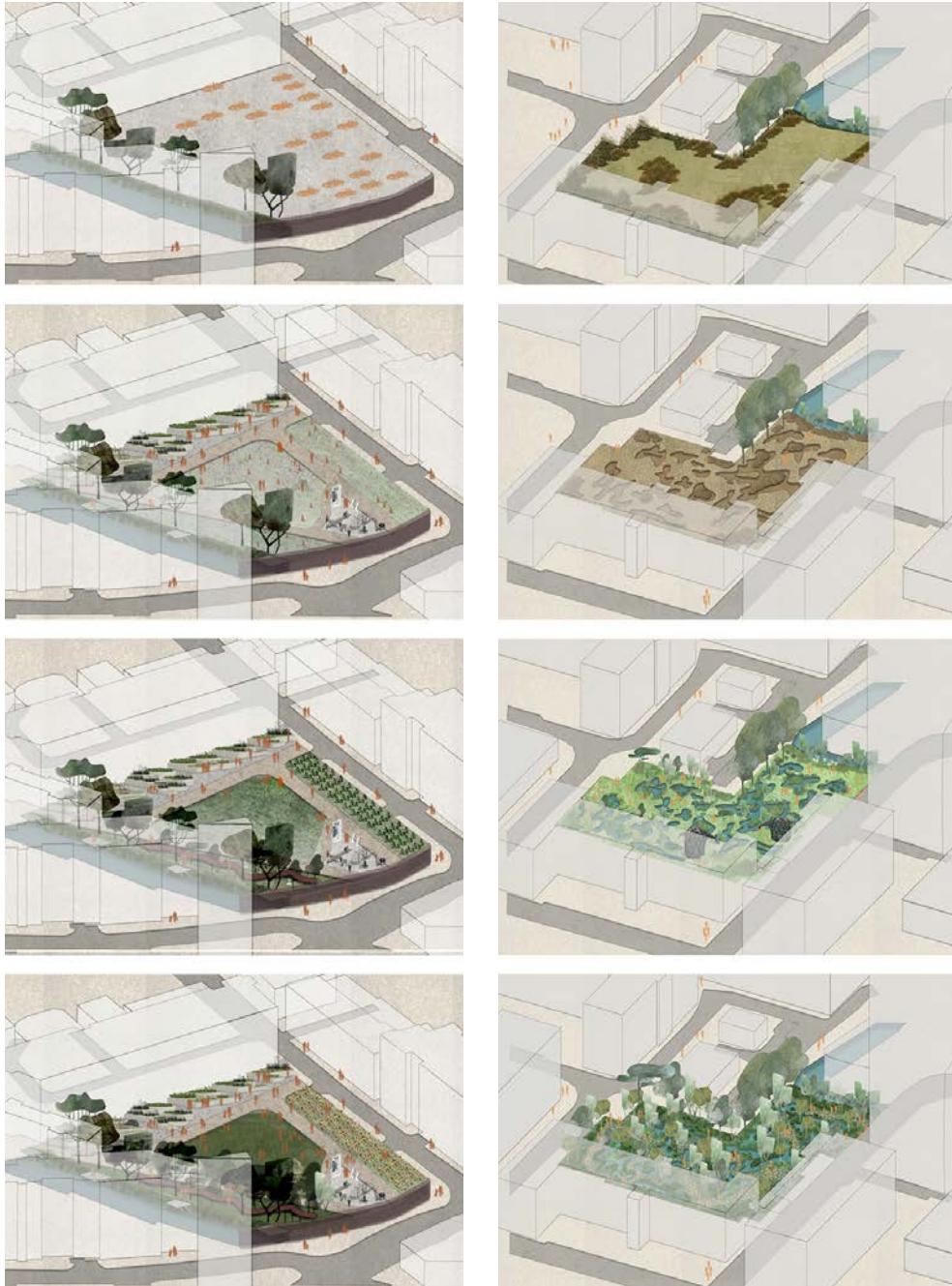
Aakanksha Khatri - Myco and Phyto remediation to reappropriate brownfield sites along the river

Aakanksha Khatri - Myco and Phyto remediation to reappropriate brownfield sites along the river
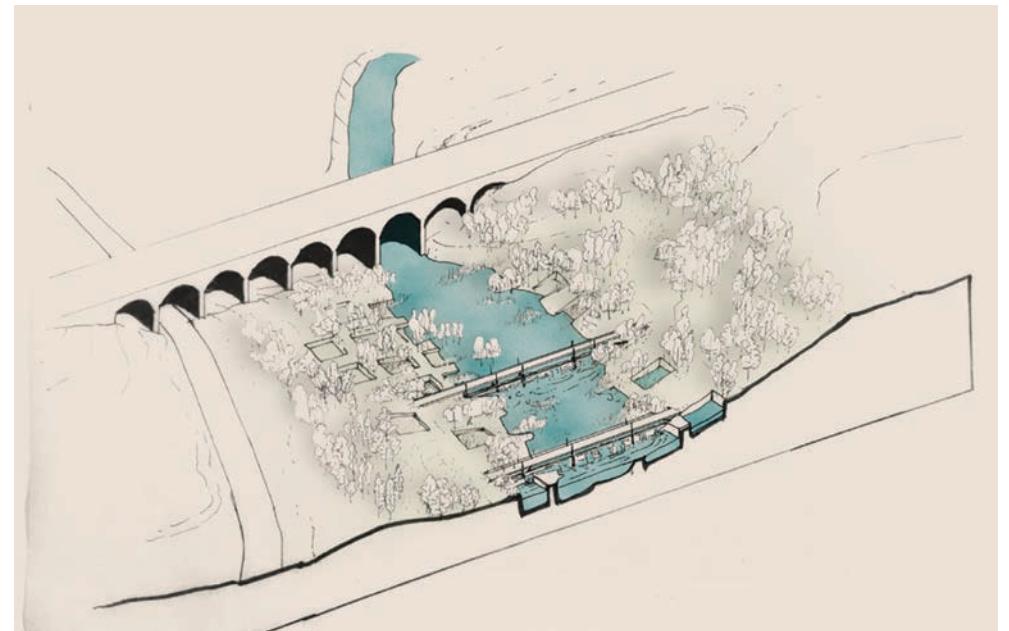
Edmund Toomey - Downstream: An investigation of the urban river as a manifestation of chaos theory and complexity

Ann Jou-Hsien Wu - Exploration of water filtration and recycling to restore diverse riparian habitats
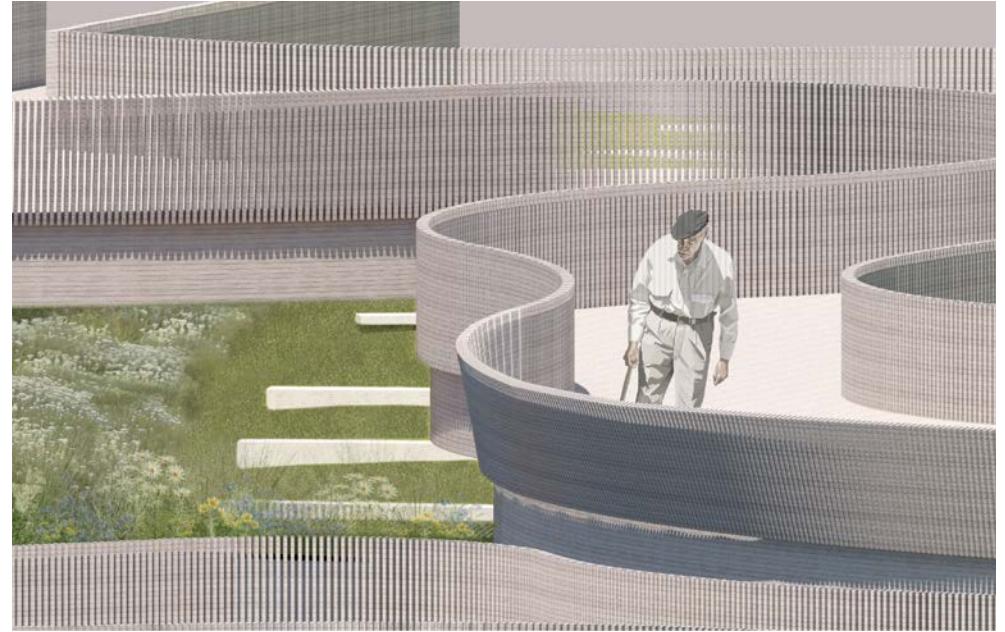
Laura Lok-yu Lee - Reawakening the forgotten river through restoration of cultural memory and habitat diversity

Laura Lok-yu Lee - Reawakening the forgotten river through restoration of cultural memory and habitat diversity

Shreyansh Barua - Exploring the idea of Rural Modernism to the revitalization of Clayton Vale
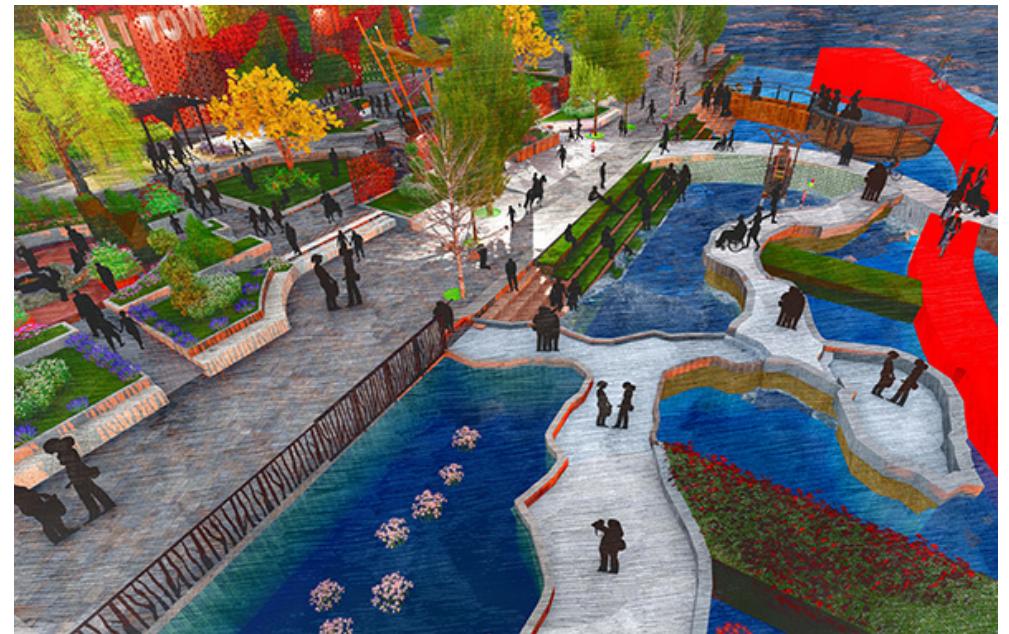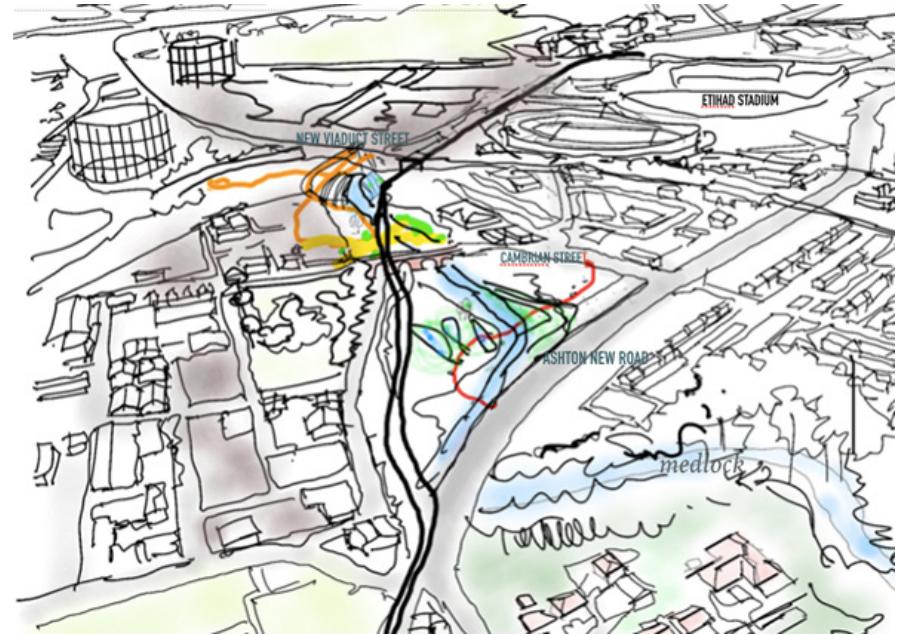
Madhumitha Babu - Constructed wetlands to create a new green heart at neglected site in Holt Town

Yingman Gao - Materialising time and change along the Medlock corridor
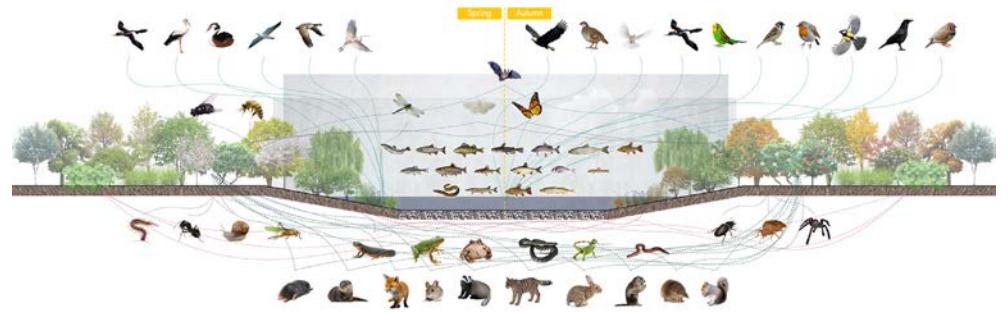
Yingman Gao - Materialising time and change along the Medlock corridor

Jakir Noor - Manifesting Manchester's historical relationship to slavery and black liberation through a metaphorical sequence of spaces expressing stages on the journey from enslavement to freedom.

MLA 2 USE

Image: Charlie Griffin & James Stephenson - illuminated by the crimson hues of the bat friendly LED lighting

MLA 2 USE

BECKY SOBELL
MLA 2 Atelier Lead

Staff
Alice D'Andrea
Claudio Molina Camacho
Dan Renoso-Urmston
David Connor
Karsten Huneck

Specialist Contributors
Dhara Mittal (STUDIO 23N72E)
Jonny Miley (Exterior Architecture)
Kate Darby (Kate Darby Architects)
Katherine Clarke (MUF)
Kerry Morisson (Independent Socio-environmental artist)
Les Postawa (Les Postawa Associates)
Piers Taylor (Invisible Studio)
Rushika Khanna (CEPT University, Ahmedabad),
Sophie Parker-Loftus (Exterior Architecture)

Students
Charlie Griffin
Christy Wing Hin Chu
Emily Mayer
Eunice Hei-Yu Ng
Georgia Hartley
James Stephenson
Jialin Liang
Marianna Osman
Rudhira Sambrey

MLA 2 + USE
In USE students follow (personal) narratives that are developed through all design stages. The atelier incorporates the techniques and working methods of other creative disciplines, in particular fine art. The topic for this year was to develop strategies that explored resistance. We asked students to investigate agents of resistance and change along and adjacent to the Floop. This theme ran throughout the atelier in all cohorts.

Projects were centred along and beside the Fallowfield Loopline (The Fallowfield Loop or Floop). Built upon the remnants of a decommissioned railway line, the Floop now forms part of the National Cycle Network running the breadth of Manchester. Multiple eras of housing, industrial and natural elements exist along the eastern part of the Floop including the ancient Nico Ditch, the

secret lake, and infrastructure in the form of Thirlmere Aqueduct and several reservoirs.

In response to the topic and site students generated diverse landscape architectural drivers: animal aided design, democratic space, partition stories of India and Pakistan, reclaiming public space, celebrating decay, human responses to biodiverse landscapes, dreams and brainwaves, and restorative nature as a response to the COVID-19 pandemic.
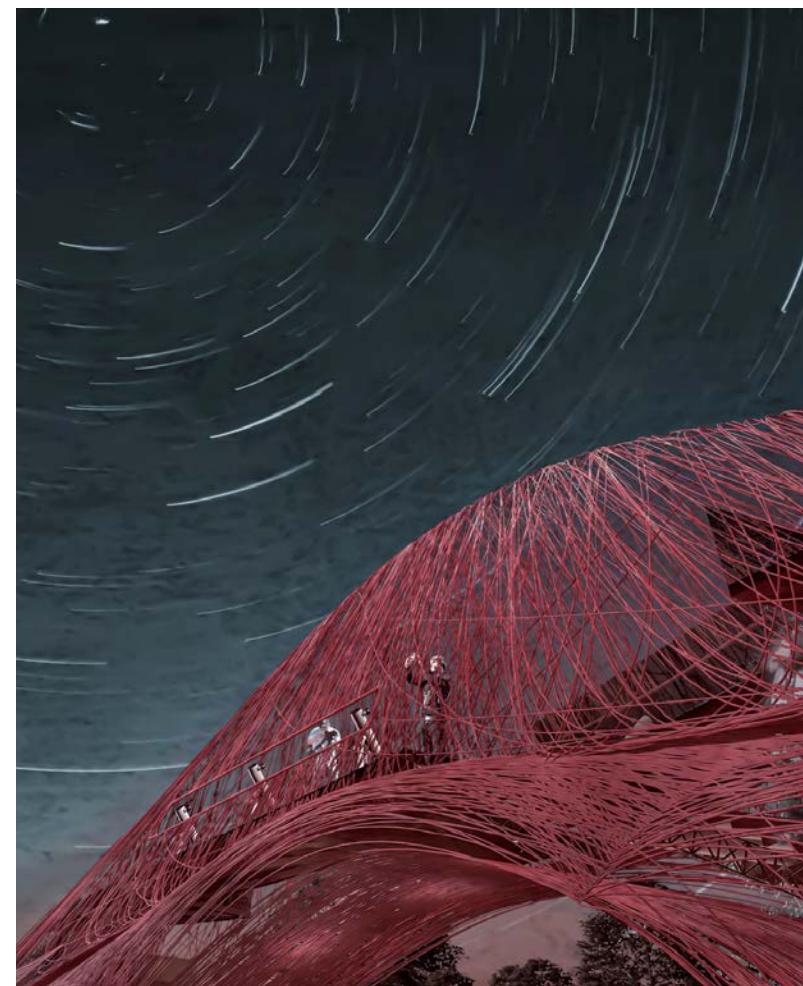
Jialin Liang - The bird-watching tower at night

Charlie Griffin & James Stephenson - Sketch of the view into Highfield Country Park from the Victorian lattice bridge

Christy Chu - Secret Lake Loop: improving human and societal well-being in during and beyond the pandemic.

Emily Mayer - Anarchic Picnic Terrace

Eunice Ng - Decay is necessary in natural cycles

Georgia Hartley - Model exploring permeability across roads, gardens and the Fallowfield Loop

Eunice Ng - If nature works like a cycle, how can there be a beginning and an end?

Georgia Hartley - The Ground Below Our Feet appeals to the human and hedgehog visitor

Charlie Griffin & James Stephenson - The messy and biodiverse flora of Highfield Country Park

Jialin Liang - The Secret Lake site east of the Fallowfield Loop

Charlie Griffin & James Stephenson - The Gabion Dam

Jialin Liang - Bird's eye view showing the relationship between the bird watching tower
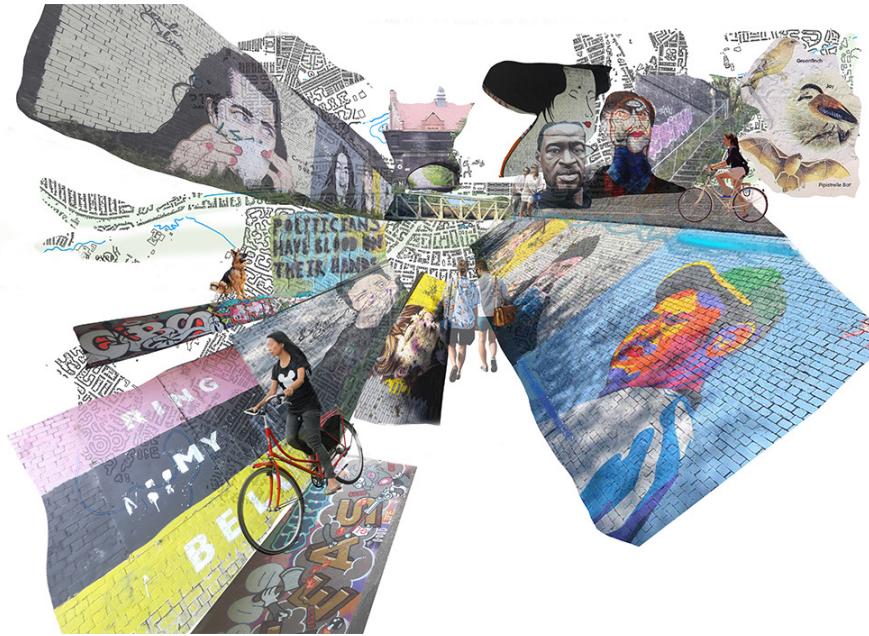
Marianna Osman - Political resistance in the form of graffiti along the Fallowfield Loop
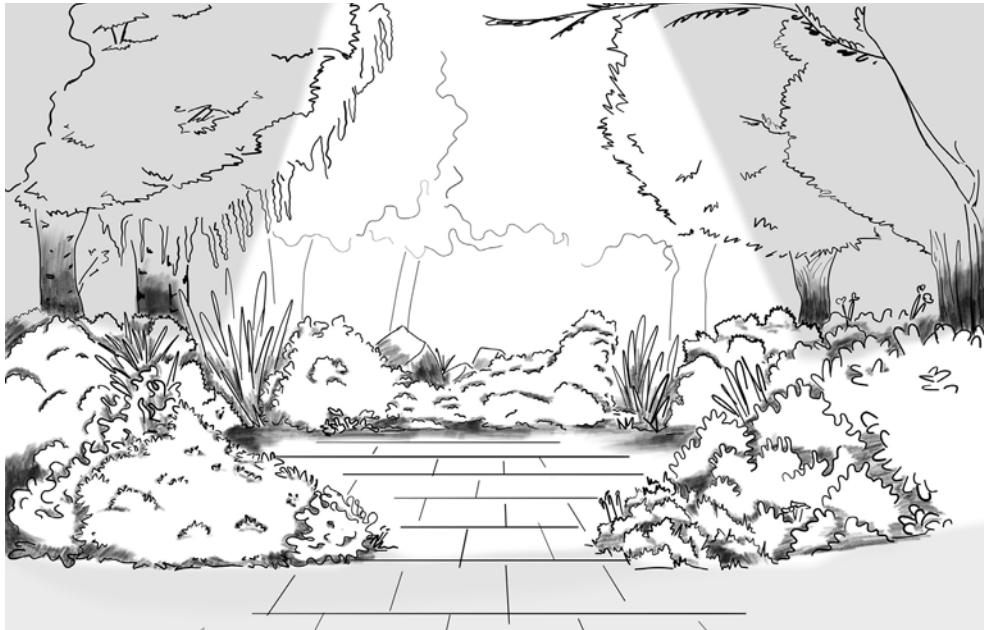
Rudhira Sambrey - Storylines – Telling Stories Through the Landscape: The Garden Nook

Rudhira Sambrey - Storylines – Telling Stories Through the Landscape: Portrait of Din Muhammad

Rudhira Sambrey - Storylines – Telling Stories Through the Landscape: Long Section

MLA 2
DISSERTATION & EXHIBITION

LUCA CSEPELY-KNORR
Unit Leader

Research Methods Staff
Richard Brook
Luca Csepely-Knorr
Matthew Steele

Research Methods Collaborators
Museum of English Rural Life
Historic England
Yorkshire Film Archive
National Coal Mining Museum

Dissertation Staff
Luca Csepely-Knorr
Edward Fox
Charlotte McLean
Jo Phillips

Dissertation Guest Lecturers
Ian Mell
Steven Millington
Leonie Mhari
Elinor Scarth
Bridget Snaith

Dissertation & Exhibition
Dissertation and Exhibition introduces students to the diverse realm of landscape architectural research. The unit is structured into two distinct elements: the Research Methods workshop and the individual Dissertation.

This year's Research Methods workshop was part of the AHRC funded research project, 'Landscapes of Post-War Infrastructure'. Landscape and architecture students worked together to understand the interconnected landscapes of extraction, power production and environmental amelioration through the case studies of infrastructural sites within the Yorkshire coal field.

Through the individual Dissertation students develop and define their own research question, methodology and analysis of their chosen area of interest. The projects are supported by a series of methodological lectures and a series of landscape focussed research lectures delivered by invited guests.

PANARCHY TIMELINE

FERRYBRIDGE DEVELOPMENT

To get a holistic understanding of our undertaking, an overlapping timeline was developed. This takes a look at the relations that tie in all the existing and proposed power stations on the site of Ferrybridge. As one can see, each station is linked to events that either affected the previous ones or triggered the commisioning of a future one. What makes the relationships really interesting is that one timeline does not end when a new one begins, but they keep on developing new relationships through both space and time.

REORGANISATION

CONSERVATION

RELEASE

EXPLOITATION

LEGEND

ESA = Electricity Supply Act
EA = Electricity Act
CEB = Central Electricity Board
BEA = British Electricity Authority
CEGB = Central Electricity Generating Board
○ = Start of new cycle
▽ = Beginning of cycles

FADED TEXT = Timeline overlaps/events are taking place while several Power Stations are still open

Marianna Osman, Shreyansh Barua, Jason Wong, Maria Olivia Mihale, Joseph Richard Cox, Jack Whitehouse - Ferrybridge power station

Gale Common Site Progression in Plan

This section model demonstrates the relationship between the ash and the change of the site. When ash was added to the landscape it changed the site forever. Due to extensive planning what looks like an ordinary hill, is actually a strategically planned area for storage of a very valuable renewable resource; pulverized ash. This shift in landscape changed not only Gale Common but the neighboring areas adjacent to the site.
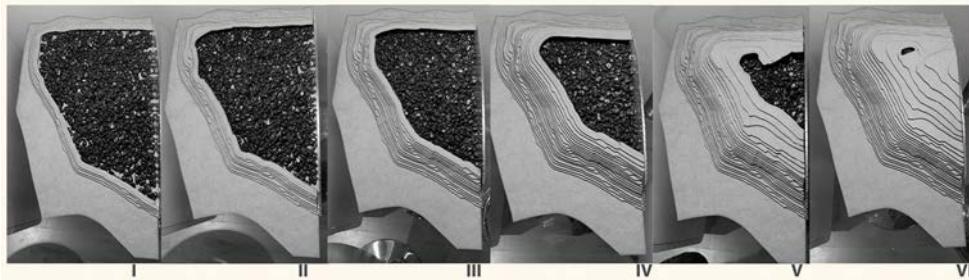
Georgia Hartley, Aakanksha Khatri, James Stephenson, Vanessa Streets, Claire Johnson, Shuhan Liu, Jessica Poore - Gale Common Ash Disposal Site model

River Ouse

Immingham port coal infrastructure

Underground coal transport network

MGR coal transport network

Cooling towers

Drax social clubs
Now online and spread across the country

National actors map

Cooling towers seen above tree screening

Barlow ash mound
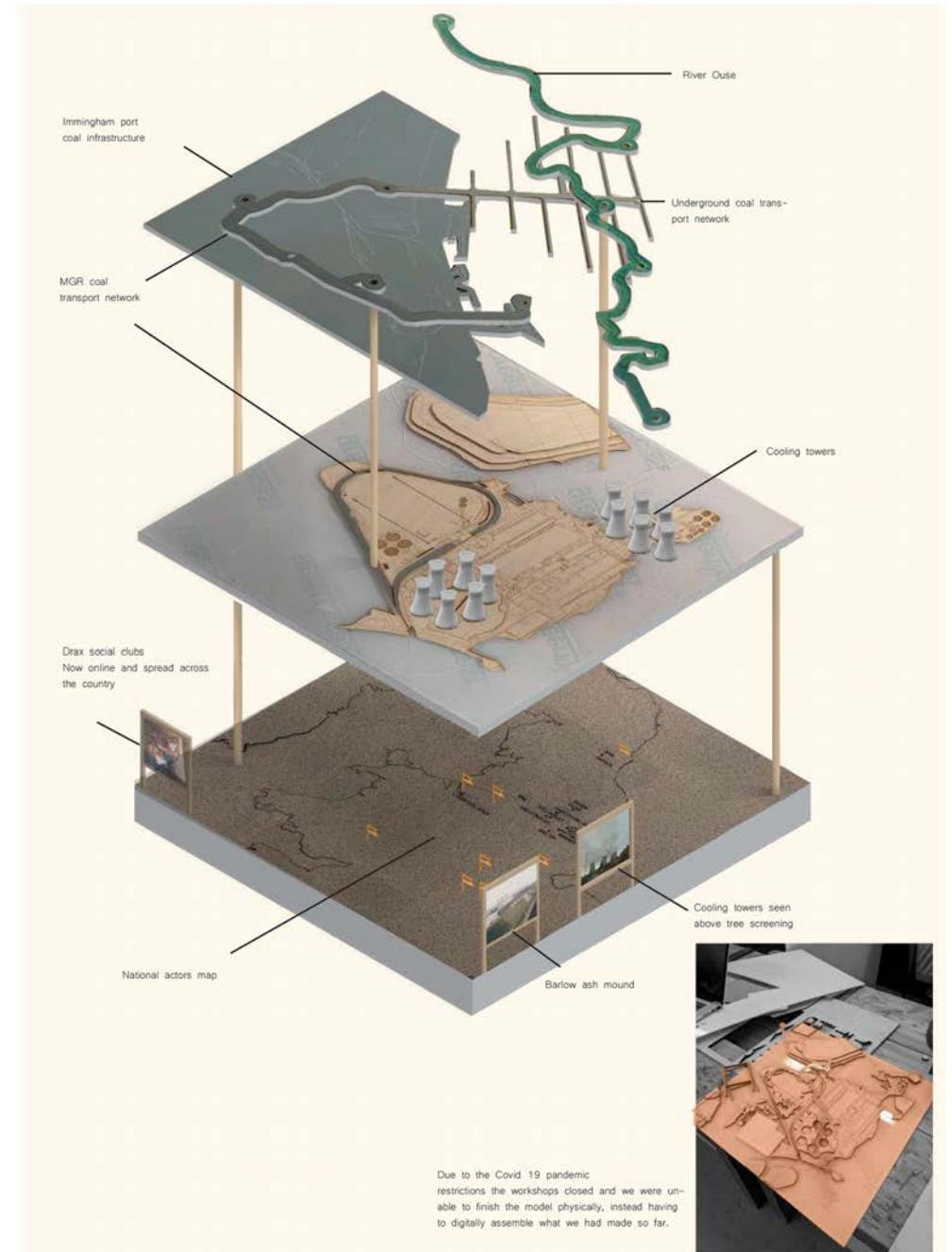
Due to the Covid 19 pandemic restrictions the workshops closed and we were unable to finish the model physically, instead having to digitally assemble what we had made so far.

Wing Hin Christy Chu, Hei Yu Ng, Madhumita Babu, Anubhav Rana, Ellen Faulkner, Cameron Smith - Drax model
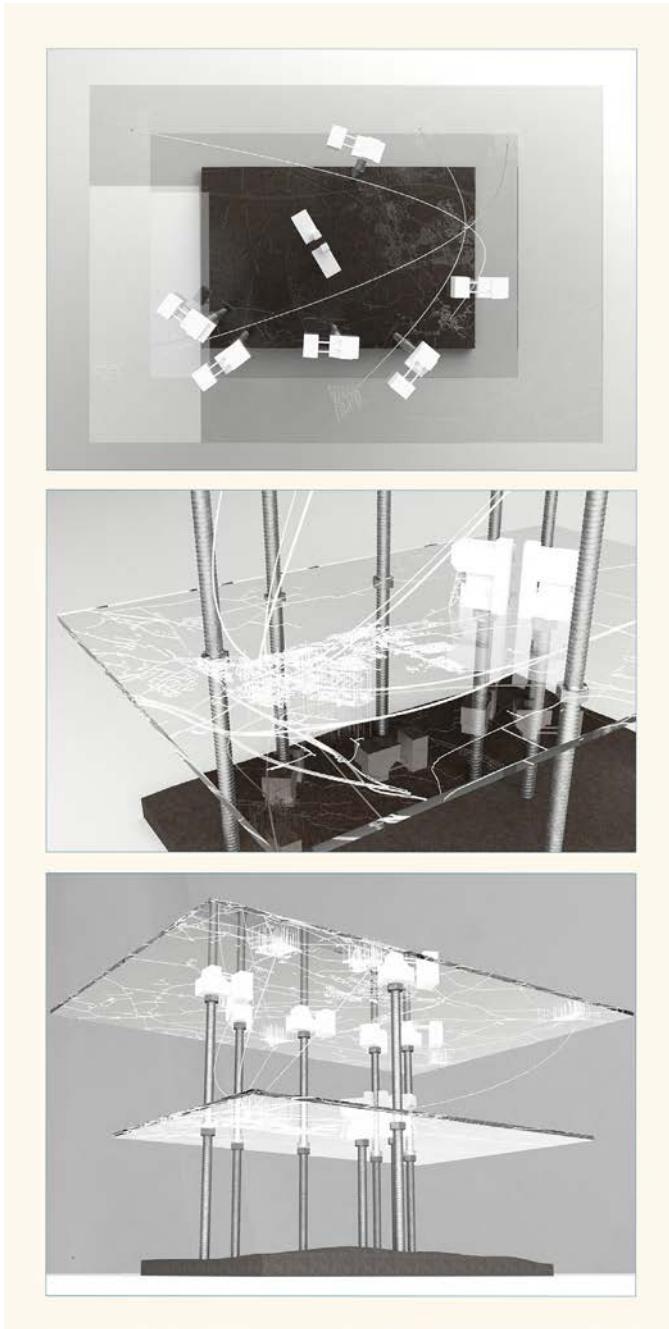
Patrick Cooper, Emily Mayer, Jakir Noor, Megan Pledger, Siqi Guo - Kellingley Colliery, model

HORIZONTAL LANDSCAPING

IMAGES EXPLORING MASSING IN THE LANDSCAPE (DIGITAL MODEL)

PERCEPTUAL MASS

NORTHERLY VIEW

EASTERLY VIEW

SOUTHERLY VIEW

WESTERLY VIEW

Charles Griffin, Rudhira Pravin Sambrey, Edmind Toomey, Yingman Gao, Hanxiao Zao, Aadil Nagdawala, Matthew Meeson, Luo Zhang - Eggborough power station landscape sections

Jialin Liang, Lok Yu Lee, Jou-Hsien Wu, Emma Jane Barrett, Weinig Luo, Molly Wals, Yifan He - Gascoigne Wood, Model
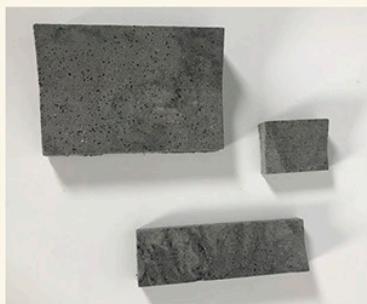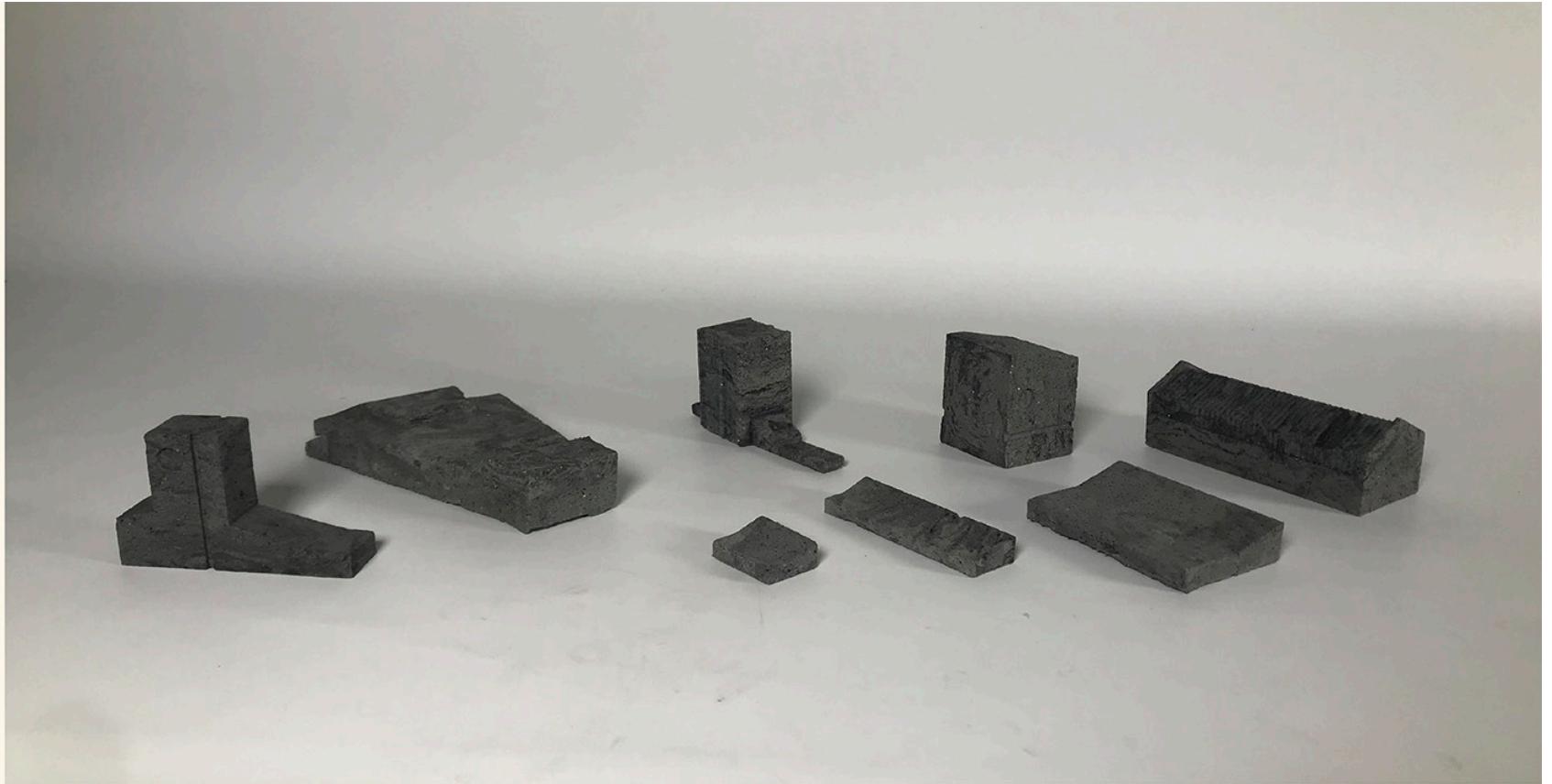
MLA 2 LANDSCAPE PROFESSION & PRACTICE

EDDY FOX
Unit Leader

Landscape Profession & Practice

This unit provides an introduction to landscape architecture as a profession. Though coordinated by MLA staff, content is delivered mainly by a wide range of guests from the profession and related areas of practice. Sessions involve presentations, debates and workshops aimed at familiarising students with a number of key ideas and concepts which will later form a foundation for their preparations for chartership during the early years of their career. In addition to providing an insight into professional methods and practices, they aim to generate discussion and critique around a range of questions relating to the legal, commercial and cultural practice of landscape as a discipline. Assessed work typically involves the preparation in groups of simulated professional reports, such as: Design and Access Statements; Landscape Character Assessments; Bid documents; etc. Students also submit an individual report, reflecting on their personal experiences of work in the profession, analysing and contextualising this in the light of understanding gained from taught seminars and workshops.

Note: The unit is taught in an intensive period during the early summer of MLA2 and work displayed is from 2019-20.

Landscape Character Assessments of the Lake District Peninsulas, Panorama and Detail

Landscape Character Assessments of the Lake District Peninsulas, Seasonal Change

Landscape and Visual Appraisal for Potential New Housing Development in Grange over Sands, Parameters Plan
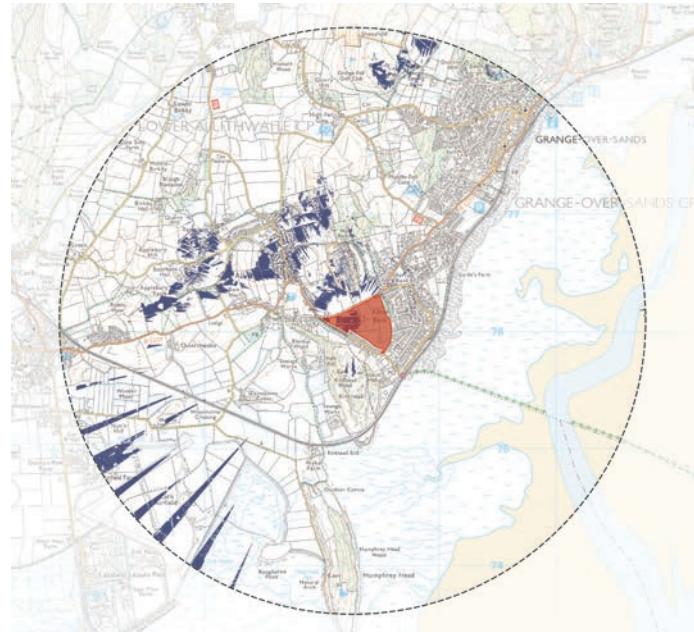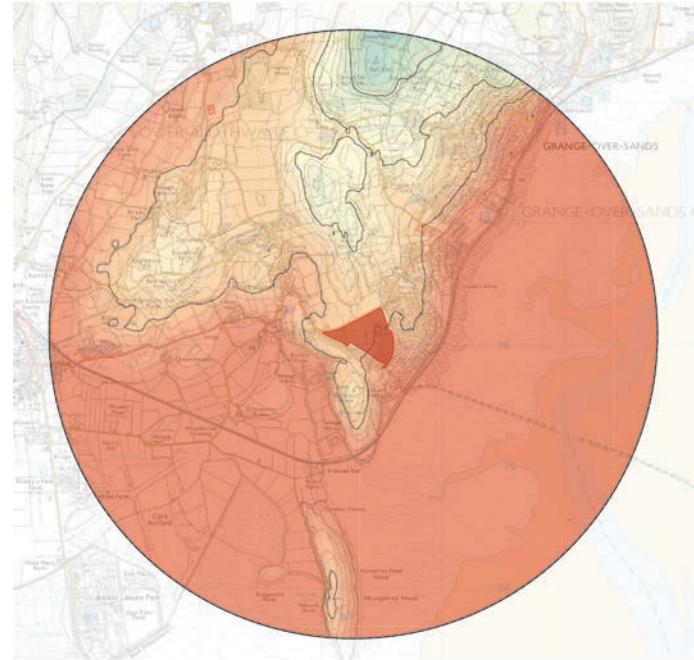
Lauren Pridding - Landscape and Visual Appraisal for Potential New Housing Development in Grange over Sands

MA ARCHITECTURE + URBANISM

MA ARCHITECTURE + URBANISM

JAMES ROBERTSON
Interim Programme Leader

Staff
Mazin Al-Saffar
Antonio Blanco Pastor
Eamonn Canniffe
David Chandler
Johnathan Djabarouti
James Dyson
Ewa Effiom
Julie Fitzpatrick
Colin Harwood
David Johnson
Demetra Kourri
Kaija-Luisa Kurik
Curtis Martyn
James Robertson
Dominic Sagar
Tamara Salinas-Cohn
Aissa Sabbagh Gomez
Youcan Ren

Synopsis
The exploration of a resilient urbanism would be a key concern in a normal year, but this preoccupation has assumed a heightened sense of importance this year as we have navigated the realities of operating within the strictures of the pandemic. Yet this has in some ways also changed – even liberated - preconceptions of what a course could or should be and has united students and staff alike in recognising the global possibilities of Architecture and Urbanism.

Our research offering this year focused on six optional projects exploring a plethora of urban issues in a variety of locations. In addition to local territories in Manchester and Trafford, other settings were examined in Stoke-on-Trent, Wolverhampton, Crewe, and further afield in Barahona de Fresno, Spain, resulting in a range of proposals through which students learn as a group about the transformative potential of urban design.

The theme of resilience continued as our September 2020 student cohort were joined in January 2021 by our inaugural second cohort, creating a revised template for a well-established course. It is anticipated that the reciprocal energy created from these overlapping cycles will create unique opportunities for student debate and collaboration in issues of global urbanism.

The introduction of this second cohort, coupled with students spending much of the year in their home cities has led to an incredibly varied range of thesis projects and dissertation topics with a notably international agenda – from the future of historic city quarters in China, to issues of the provision of homes and Planning concerns in the UK. Throughout these endeavours, students are guided by a range of established and new tutors from research and practice contexts, and it is with thanks to all involved that these activities continue to contribute to the richness and vitality of the course, despite the recent challenges.

Anqi Chen, Ruiqi Guo, Zaiba Idakkad Mushtaq, Jie Qiao, Yan Shi, Hefeng Wang, Guang Yang, Yimin Yang, Sheng Ye, Hanzhou Zhang - Studio B - A Burslem Odyssey, A Journeys Through A Legacy Town

Mariana Camacho Gonzalez, Xiao Chen, Lauren Fearon, Kisanet Goitom, Athina Ioannidou-Lemonidou, Jiaqi Wei - Studio A - Workhouse Project
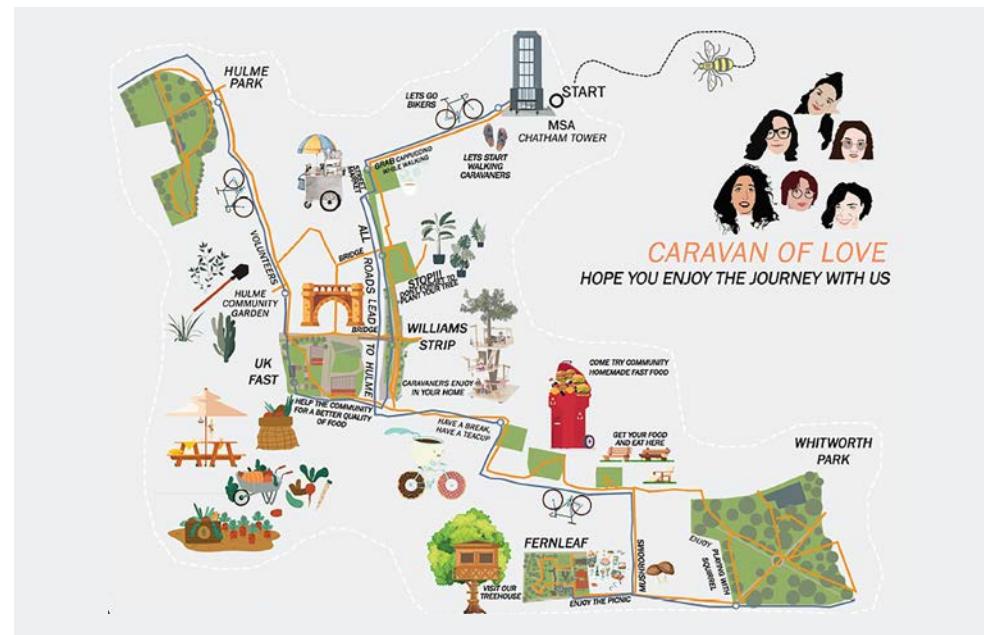
Wenxin Wang - Studio C - Guangzhou

Hanzhou Zhang - Studio B - De-Cluttering The 'Hutongs'
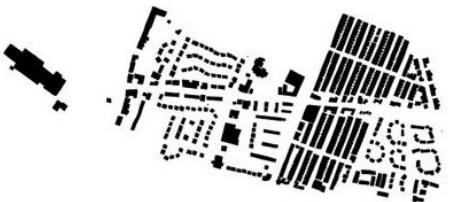
Lauren Fearon - Studio B - Liverpool 8 Spatial Analysis
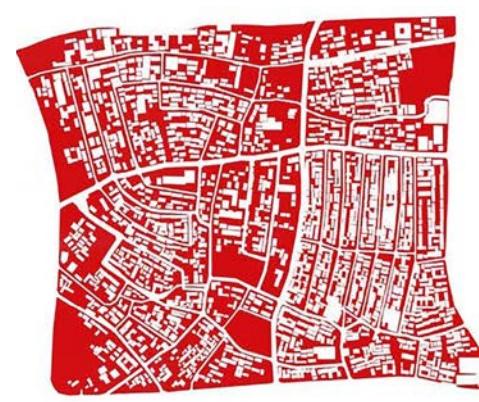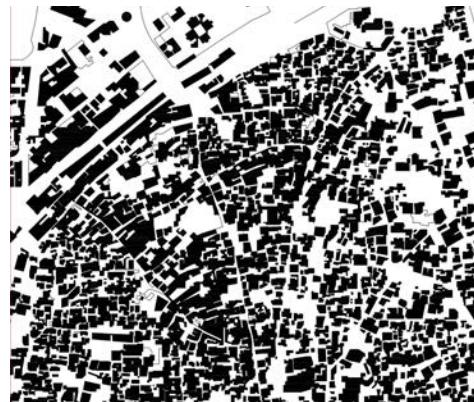
Zaib Saiyed - Studio B - Morbi-Wankaner Figure Ground Plan   Zheming Tian - Studio B, The Rebirth of Hutong

Jiaqi Lu - Studio B - Recolor The Painted Pottery Village

Lauren Fearon - Studio B - Liverpool 8 Finding New Routes And 'Re-Loving' Neighbourhoods A Conscientious Look At Sustainability In Housing And Inner-City Streets
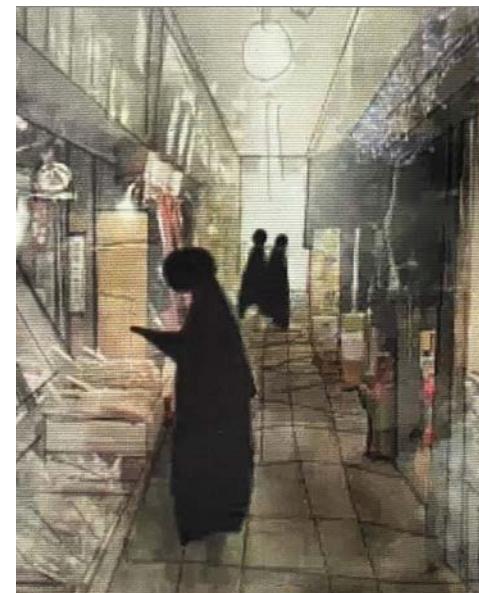
Hayato Toda - Studio B - Tokyo

Mariana Camacho Gonzalez, Xiao Chen, Lauren Fearon, Kisanet Goitom, Athina Ioannidou-Lemonidou, Jiaqi Wei - Studio A -Workhouse Project

Mariana Camacho Gonzalez - Studio B - Housing As A Process - The Mancunican Perspective To The Latin American Paradigm
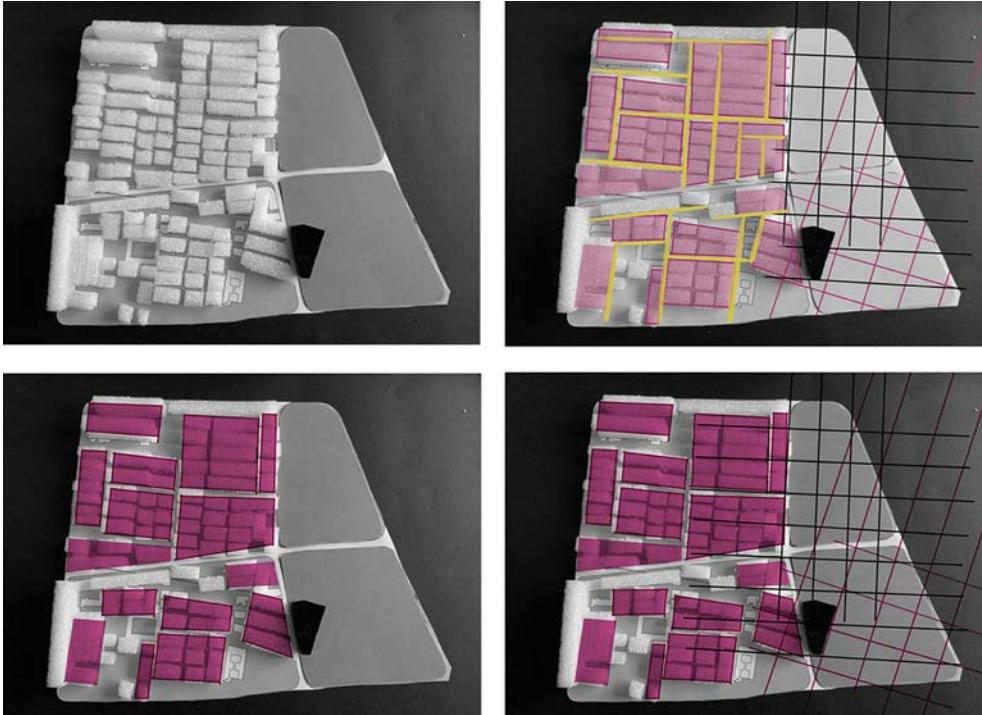
Yuanke Li - Studio B - The Filmic Narrative Potential Of Chinese Urbanism - A Situationist Street

Jingbo Wang - Studio B - kill the pressure and a reading space for people to release pressure
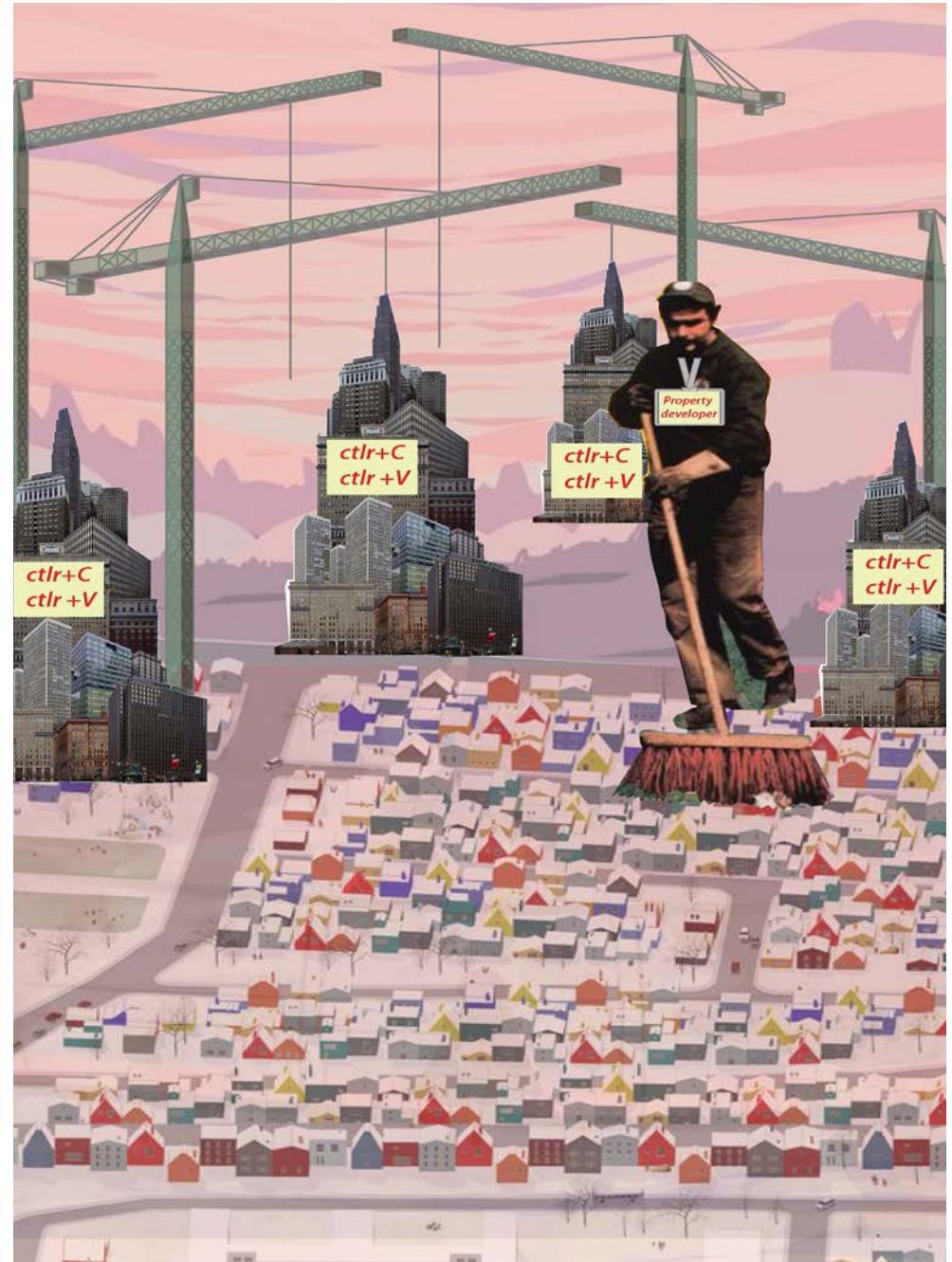
Zaiba Idakkad Mushtaq - Studio B - Rethinking Mayfield - Creating A Sense Of Community To Overcome Urban Blight
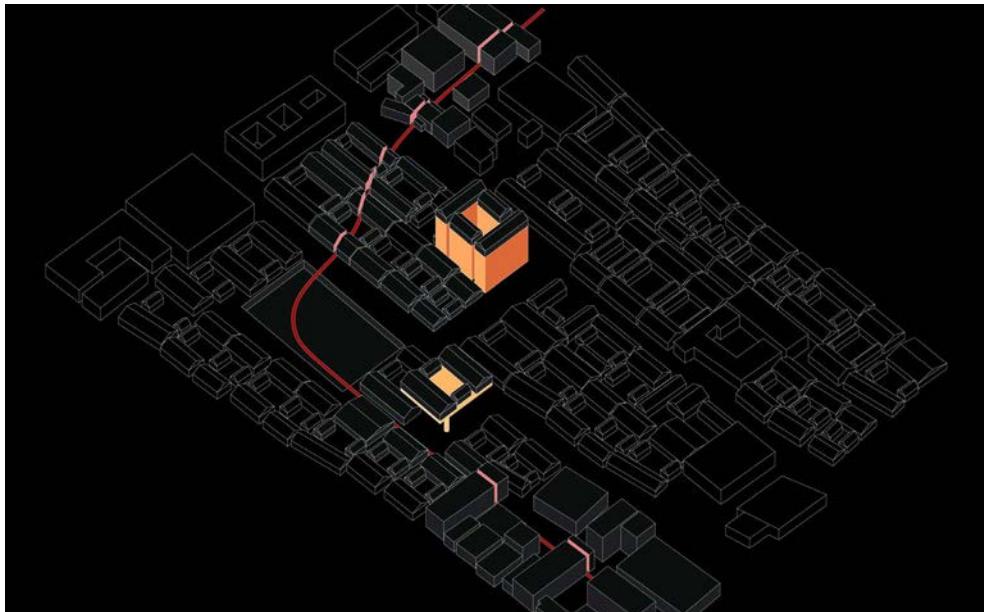
Zheming Tian - Studio B - The Rebirth Of Hutong

Zijun Su - Research Methodologies And Events -
Symposium Poster
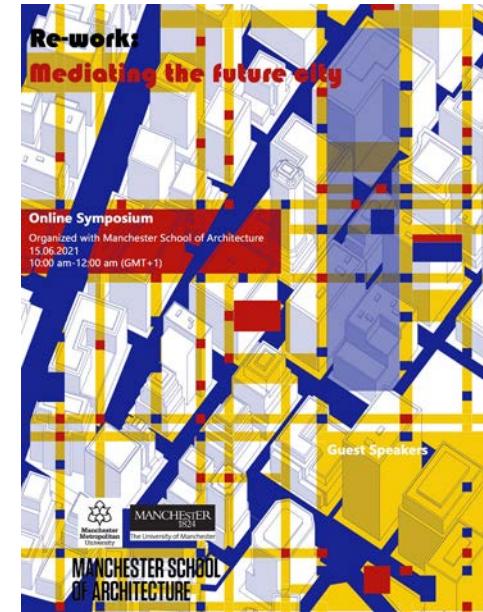
Yan Shi - Research Methodologies And Events -
Symposium Poster
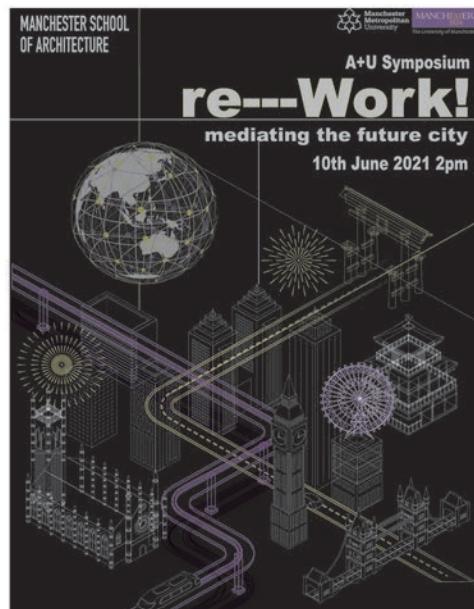
Hayato Toda - Research Methodologies And Events -
Symposium Poster
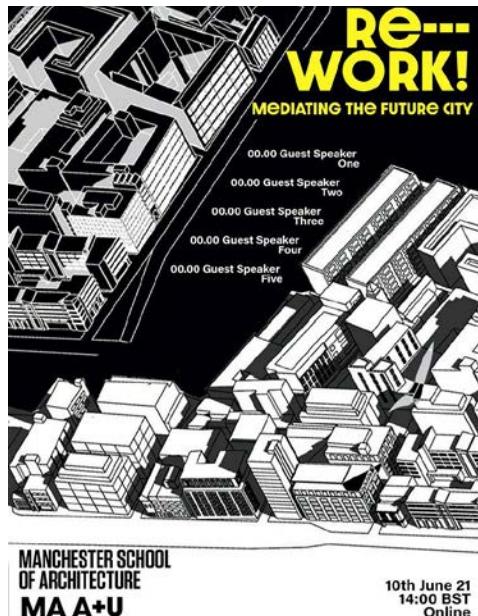
Sharvari Mate - Research methodologies And Events -
Symposium Poster

Kitti Chupanich - Research Methodologies And Events -
Symposium Poster
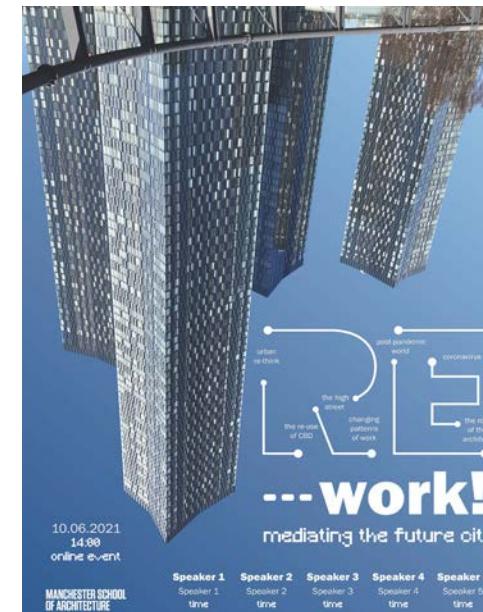
Mariana Camacho Gonzalez - Research Methodologies
And Events - Symposium Poster

ALL SCHOOL PROJECT

ALL SCHOOL PROJECT

BECKY SOBELL
All School Project Lead

ASP Team
BLM Arch at MSA (@blm_archmsa)
Kasia Nawratek
MSA&U (@msaandu)
Ola Uduku
Richard Brook

All School Project 2020/21
ASP 2020 was a one-day, collaborative, mixed year, online, student-led project.

The MSA All School Project is the first project of each academic year. This year we created 65 temporary mixed-year collectives from B Arch, M Arch and M Landscape Architecture to engage in full collaboration.

By September, 2020 had already been an extraordinary year. In recognition of this, MSA staff and students jointly developed a one day project in 3 parts. Session 1, 'How can we connect when we're apart?' asked each student to produce an image of the view from their window. Session 2, 'Black Lives Matter: ASP x BLM_Arch@MSA' facilitated discussions around the BLM movement in relation to architecture. Session 3, 'Wellbeing in Architecture: ASP x MSA&U', focussed on wellbeing in architecture and design.

We used Instagram as the means of submission or publication for the ASP work this year. Not only did this allow our students and staff to find each other no matter which group they were part of for the ASP, but it also sent out a message beyond the MSA.

You can see some of the submissions on Instagram by searching #msa_asp2020.

MSA LIVE

Image: Group 30 - Our Proud Past
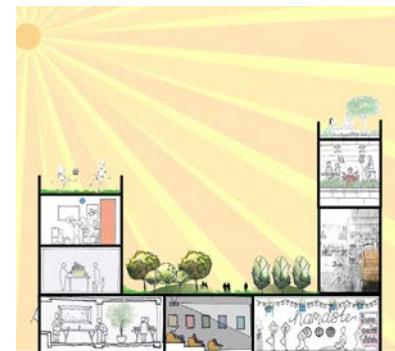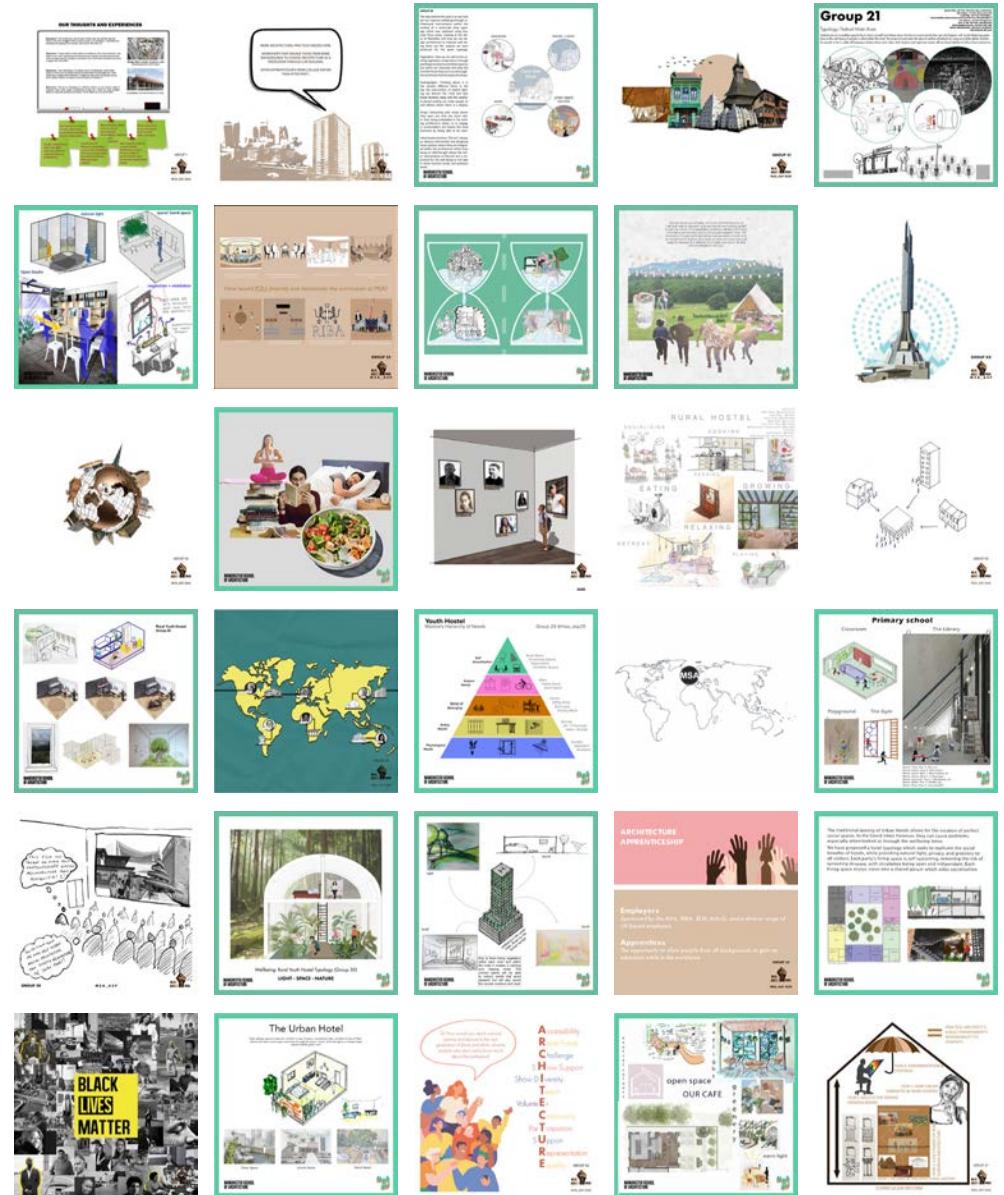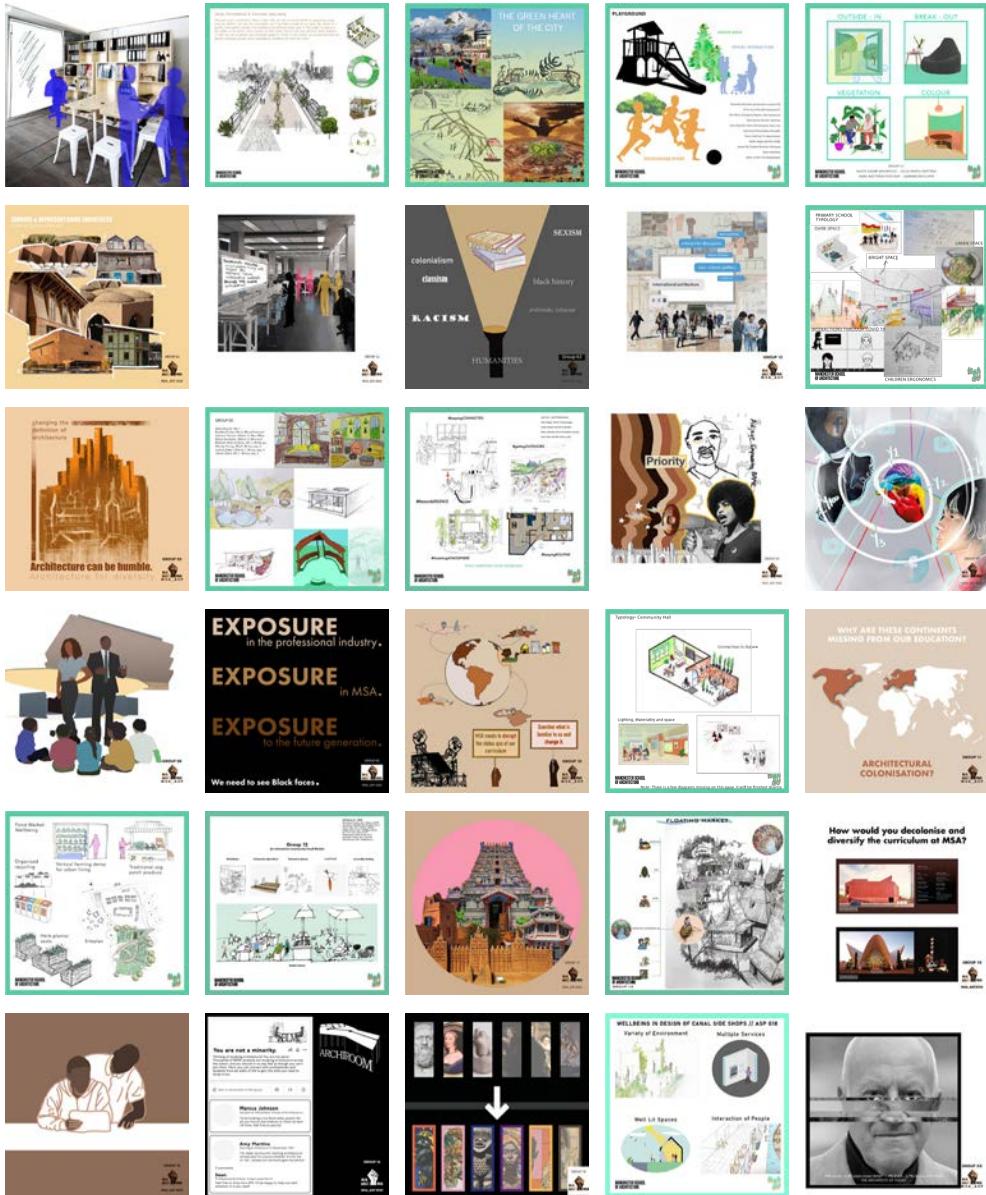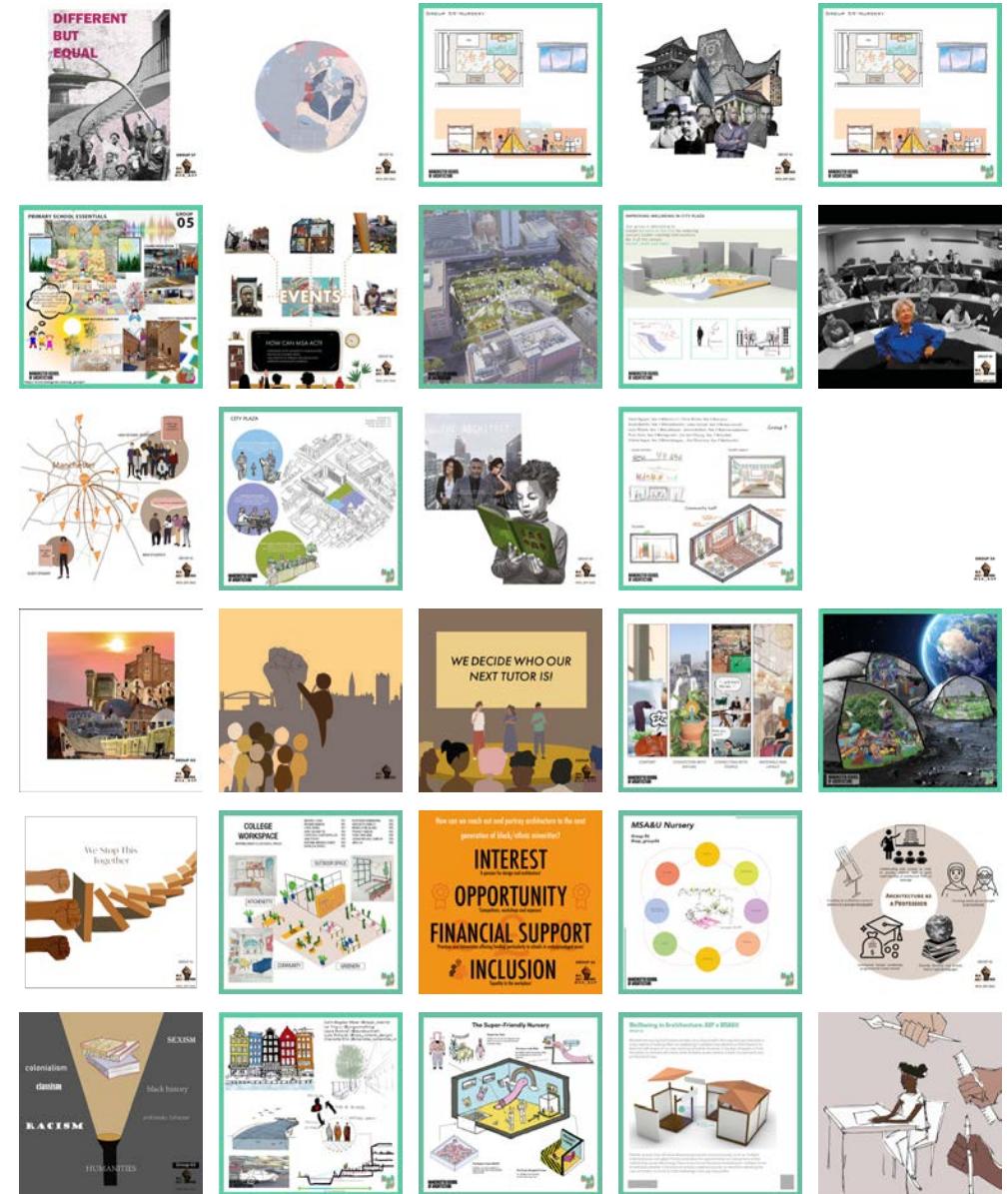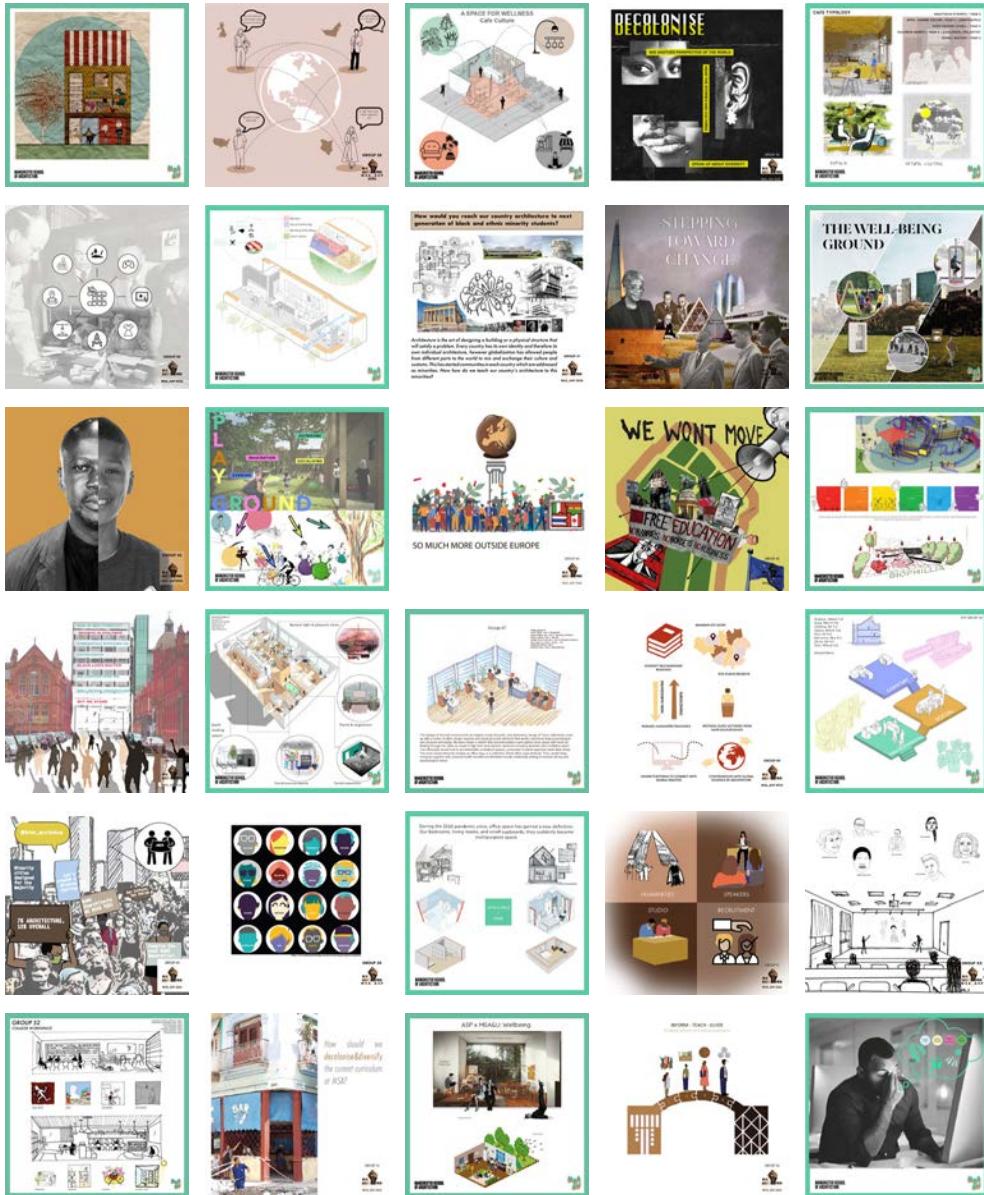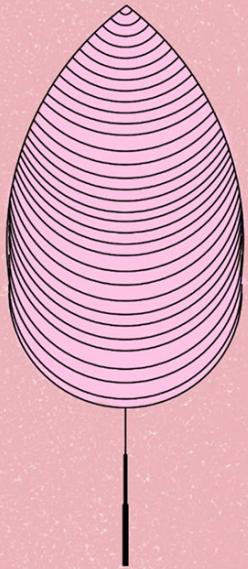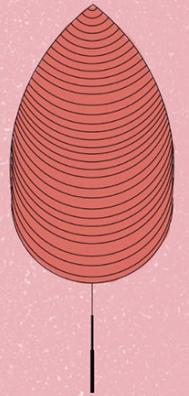
MSA LIVE

BECKY SOBELL
MSA Live Lead

MSA Live Staff
Becky Sobell
Julie Fitzpatrick
Rebecca Onafuye

MSA Live Contributors
Asher Bourne
Dan James
Emily Crompton
Peter Powell
Saul Backhouse
Scott Miller

MSA Live Project Partners
Anthropocene Architecture School
Archives+
Bennetts Associates
BPIC Network
Bradford Civic Society
Building Bridges Pendle
Community Led Action and Savings Support
Cornerstone
Ecospheric
Friends of Beech Road Park
Greater Manchester Homeless Action Network (GMHAN)
Greater Manchester Savers
Grizedale Arts
GT3 Architects
How Women Build Research Project (Helen Aston & Dr Luca Csepely-Knorr)
iArchitect Limited
IN-SITU
Invisible (Manchester)
Joe Jessop
Landscape Environment Advancement Foundation
Lendlease
Lifeshare
Manchester City Council Planning Department
Manchester City Council Building Control Department
Manchester Health Academy
Manchester Society of Architects
Manchester Urban Diggers CIC
MSA (Emily Crompton)
MSA (Kevin Singh, Dr Vicky Jolley, Rob Hyde)
MSA (Laura Sanderson)
National Coal Mining Museum

Our Town Hall Project
ownHaus
Pendle Borough Council
Project 3 Architects
Purcell Architects
Rural Solutions
St John the Baptist Church - Rochdale
The Architecture School for Children
The Circus House C.I.C.
The Landscapes of Post-War Infrastructure: Cooling Down' AHRC Research Network (Dr Luca Csepely-Knorr & Dr Richard Brook)
The Make Bank
The Tetley
The WorkHouse Project
This is Change
Urban Splash
Walk Ride Chorlton
Whitworth Art Gallery
Without A Home (MSSA)

MSA Live
MSA Live 21 is the latest in the MSA's annual programme of collaborative student-led live projects.

Previously titled MSA Events, this annual programme is now called MSA Live. The new name reflects the nature of projects which unify B. Arch Y1&2, M. Arch Y1 and (for the first time) also M. Land. Arch Y1 cohorts in mixed year teams.

M. Arch students work with collaborators locally and globally to create impact beyond architectural education. MSA Live 21 comprises 42 projects and 600 students all working together on an exhilarating range of online activities with 50 external partners.

MSA Live affords benefits to all participants: project partners can set an agenda for consideration; students engage in peer-to-peer learning while testing modes of architectural practice in collaborative live projects; some projects are research-led with connections to MSA staff projects, and all create social impact.

External partners include charities, social enterprises, community groups and other organisations who

work with M. Arch students to develop a brief and comprehensively plan activities. B. Arch and M. Land Arch cohorts bring these ideas to life during an intensive 2 weeks at the end of the academic year.

View projects in more detail here: https://live.msa. ac.uk/2021/.

MSA Live 21 Projects
Power Trip
Mixed Space
Cirque Du Arc
Forgotten Citizens
Modularch
Heart And Soil
Play Box
Make Build
Artisan Studio
How Women Build?
Blue Line
Smart Community
MSA Connect
Re-Shaping Marple
Play By The Beech
Woah + GMHAN
Keen Fingers
Archikids
House Of Negotiation
Have We Killed The Planet?
Inspire Bradford
Parktopia
Space Invaders
Infra Game
In The Oceans Of Diversity
Ownhaus, Connected Community
Re-Use
Bit By Bit
Our Proud Past
Plot Twist
Rochdale Revival
Ecotswolds
Live Wires
Skyscrapers The Limit
Colour The City
Pay Inn Display
Mapping Colour

Paving The Way
Archiving Albert
Sketchy Business
Can We Fix It?

MANCHESTER SCHOOL OF ARCHITECTURE
WHITWORTH GALLERY
HOUSE OF NEGOTIATION
AGENDA SKILLS TEAM PARTNER
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
HAVE WE KILLED THE PLANET?
C 6 12
INFORM. EMPOWER. CHANGE.
BENNETTS ASSOCIATES
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
INSPIRE BRADFORD
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
RE-USE
MCR TOWN HALL
AGENDA
SKILLS
PURCELL
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
Bit By Bit
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE X OUR PROUD PAST
LGBT+ Centre
Agenda Skills Team About us
Archives+
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
PARKTOPIA
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
Agenda
Space Invaders
Borough of Pendle in-situ
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
INFRA GAME
MANCHESTER SCHOOL OF ARCHITECTURE
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
PLOT twist
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
ROCHDALE REVIVAL
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
Agenda Skills Partner
ECOTSWOLDS
ecospheric
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
IN THE OCEANS OF DIVErsity
Collaborators
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
Agenda
ownHaus in the middle of the street
Skills
Collaborators
Our Team
PROJECT3
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
CONNECTED COMMUNITY
GM
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
LiveWires
Agenda
Skills
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
SKYSCRAPERS THE LIMIT
MSA LIVE 21

MANCHESTER SCHOOL OF ARCHITECTURE
COLLABORATOR
Colour the City
Team
INVISIBLE
MSA LIVE 21

A sample of the final outputs, 1. Group 38 - Mapping Colour, 2. Group 20 - Have we killed the planet, 3. Group 2 - Mixed Space

STAFF RESEARCH

STAFF RESEARCH

During 2020/2021, research continued to be a key part of the work of the School of Architecture. The COVID 19 pandemic and the new online platforms allowed us to reach broader audiences and to build networks and research projects globally from our own cities. Increasingly, our research is connected with our teaching, bringing richness, depth and debate to our collective scholarly enquiries.

Public Events
Professor Ola Uduku curated the multi-institutional series of creative and academic events PAHC75, to celebrate the 75th anniversary of the 5th Pan African Congress, held in Manchester in 1945. The Congress was a precursor to the development of a number of African independence movements which went on to successfully secure self-rule for countries across Africa. It also signified the movement of the intellectual discourse on African self-realisation and solidarity with other causes; moving from the Americas and the West Indies, to the UK and then on to Africa.

The School hosted an online conference on the theme of Teaching, Learning and Research in architectural education. Organised by Sally Stone and Laura Sanderson in collaboration with Architecture Media Politics Society (AMPS) over three days, academics from five continents shared their experiences and ideas in a series of lively sessions.

Drs Richard Brook and Luca Csepely-Knorr ran a series of innovative artists' conversations as part of their AHRC funded research projects 'Landscapes of Post-War Infrastructure'. Organised in collaboration with the Modernist Society, the conversations between visual and literally artists (Martyn Bull and Brian Lewis; Helen Angell and Kevin Crooks and Gareth Rees and Jen Orpin) aimed to uncover the intangible values infrastructural landscapes have. The project was highlighted as by Professor Christopher Smith, Executive Chair of the Arts and Humanities Research Council (AHRC), as an 'example of how attending to a problem through the same processes, but different methodologies and practices, leads to deeper, richer understanding'.

Helen Aston and Sarah Renshaw were part of a series of events, 'Urbanistas NW', during January 2021, building on their research into feminism and the built environment.

Continuing her participatory practice and civic engagement, Emily Crompton recorded the construction and completion of the new LGBT+ centre in Manchester, a place and a history with which she is intimately involved.

Stephen McCusker is gaining a reputation as an authority on cooperative practice and was invited to speak to the Illinois Institute for Rural Affairs about Community Pubs

Dr Luca Csepely-Knorr's research into women in design professions has been recognised by a number of invitations. She took part in a series of events organised by the Gardens Trust to explore the importance and legacy of the landscape architectural heritage of the post-war period. She also participated in roundtable events to celebrate International Women's Day organised by the SAHGB, the SAH and the Women in Danish Architecture Research project. She authored a series 'Feature' articles for the SAHGB website, and curated a series of articles together with Elizabeth Darling to celebrate Women's History Month.

Publications
Dr Łukasz Stanek's book 'Architecture in Global Socialism: Eastern Europe, West Africa, and the Middle East in the Cold War' won both the prestigious Alice Davis Hitchcock Medallion by The Society of Architectural Historians of Great Britain and the RIBA's President's Award for Research. The book was launched with an international symposium and Łukasz has been invited to a number of schools of architecture in Europe and the US to present his work.

Dr Richard Brook's co-edited volume, 'Cold War Cities: Politics, Culture and Atomic Urbanism, 1945-65' with Dr Jonathan Hogg and Dr Martin Dodge, was published in December 2020. The book examines the impact of the Cold War in a global context and focuses on city-scale reactions to the atomic warfare.

Dr Deljana Iossifova published her book 'Translocal Ageing in the Global East: Bulgaria's Abandoned Elderly'. Translocal Ageing in the Global East is celebrated as 'an impressive mix of theory, ethnography, and policy critique. The book is about the everyday lives of Bulgaria's "greatest generation"—children of the inter-war and World War II periods—who managed to adjust and thrive through five decades of state socialism'.

Professor Albena Yaneva published her new book 'Crafting History'. The book addresses the strategies practising architects employ to envisage an archive-based future and tells a story about how architectural collections are crafted so as to form the epistemological basis of architectural history. Professor Yaneva has presented the book in talks and seminars around the world.

Kasia Nawratek contributed to the RIBA publication, 'Design Studio Vol. 1: Everything Needs to Change: Architecture and the Climate Emergency: 2021', with a chapter titled 'Hope in the Burning World'.

Also in the field of climate change, Angela Connelly had her article "The best flood I ever had": Contingent resilience and the (relative) success of adaptive technologies', in the prestigious Cities journal.

Grant Success
Professor Albena Yaneva was awarded an Economic and Social Research Council grant for "Mapping Spatial Practices and Social Distancing in Smart Schools: Sensory and Digital Ethnographic Methods", working with Elizabeth de Freitas (MMU) and Nils Jäger (Nottingham).

Laura Sanderson and Sally Stone, received two grants from the Heritage Lottery Fund to support their research-by-design work with Bradford City Council, 'Blueprint Bradford'.

Dr Deljana Iossifova is the Principal Investigator on another ESRC funded project, 'Right to Water', building on her work looking at perilous infrastructures in deprived global communities.

Professor Ola Uduku was successful in her application to the British Academy for an innovative international project, 'Writing West African University Campus Modernism', working with partners in Ghana and Nigeria.

Dr Mark Hammond secured an internal award to continue his pioneering work into healthy ageing and urbanism.

Translocal Ageing in the Global East
Bulgaria's Abandoned Elderly

Deljana Iossifova

palgrave pivot

palgrave macmillan

ALBENA YANEVA

CRAFTING HISTORY

ARCHIVING AND THE QUEST FOR ARCHITECTURAL LEGACY
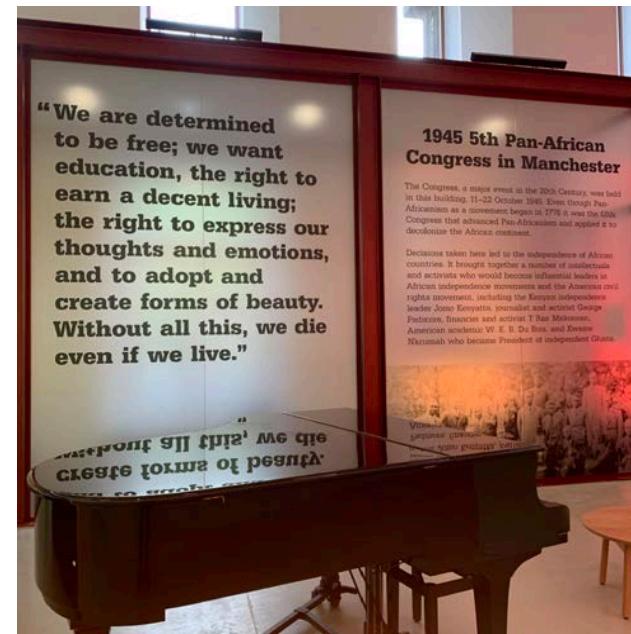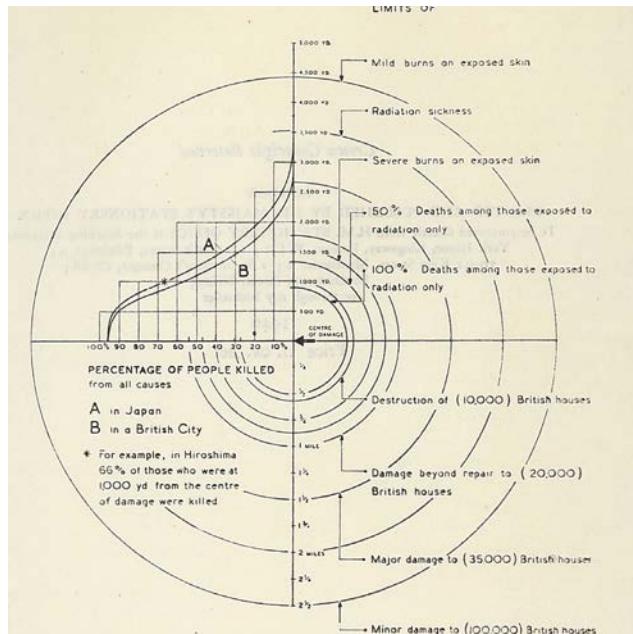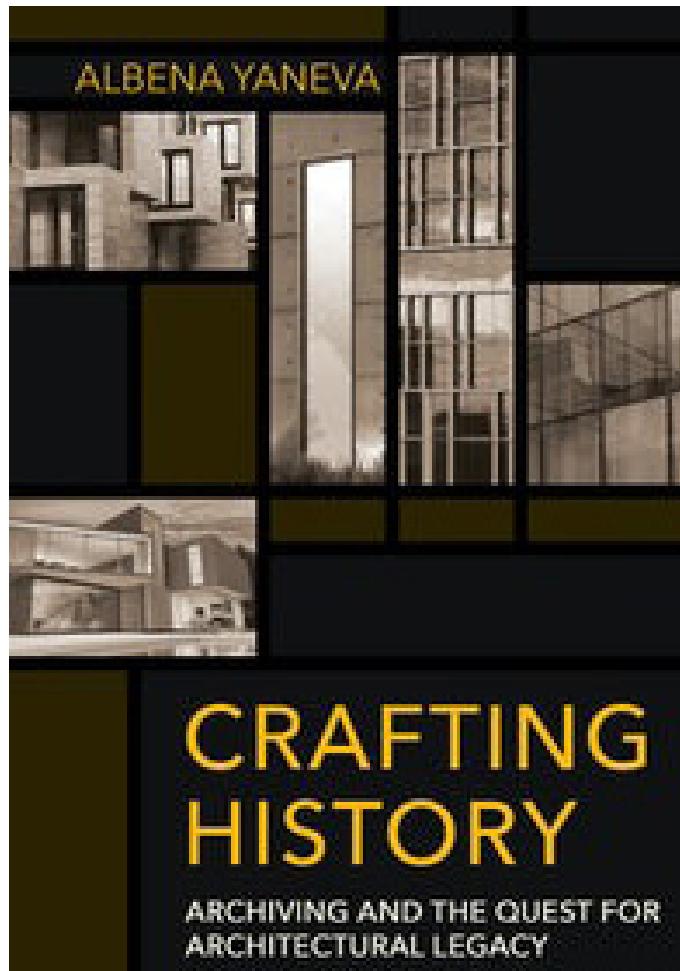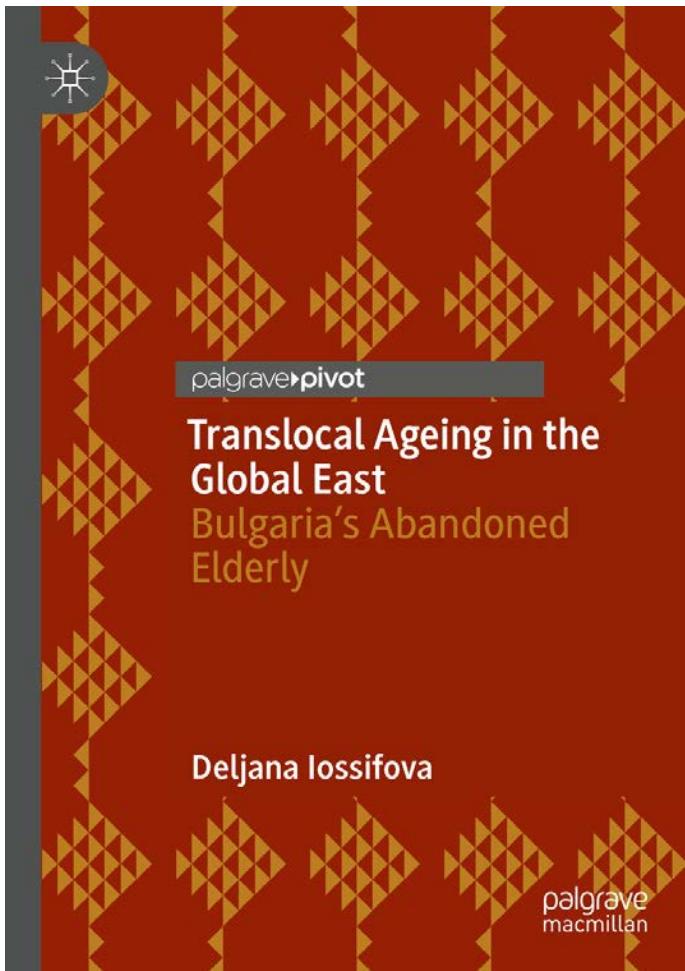
ARCHITECTURE FOR THE MAJORITY WORLD

SYMPOSIUM, BOOK LAUNCH, AND PHD SEMINAR AT THE MANCHESTER SCHOOL OF ARCHITECTURE

The Symposium will debate the global expansion of architecture's constituencies in the course of decolonisation and the Cold War—and how to understand and learn from this experience. **Peggy Deamer**, Professor Emerita at Yale School of Architecture (USA) and co-founder of The Architecture Lobby, will examine how different nations' professional architectural associations, including those in post-independence Global South, negotiate the tension between the professional and the worker. **Manuela Boatcă**, Professor of Sociology at the University of Freiburg (Germany), will speak about the visions of modernity and development put forward in the course of the 20th century on the semi-peripheries of Europe. **Ibrahim Mahama**, artist based in Tamale (Ghana), will talk about his recent work which revolves around the promises and materialities of architectures constructed during the first decade of Ghana's independence.
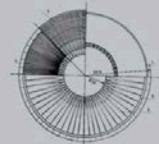
PROGRAM

Wednesday 11 November 2020 13.00–14.00 GMT
Book launch of *Architecture in Global Socialism. Eastern Europe, West Africa, and the Middle East in the Cold War* (Princeton UP, 2020) by Łukasz Stanek
zoom.us/j/95018798005

Wednesday 18 November 2020 14.00–17.00 GMT
Symposium with Peggy Deamer (Yale University, USA), Manuela Boatcă (University of Freiburg, Germany), and Ibrahim Mahama (Tamale, Ghana).
zoom.us/j/98124348579

Thursday 19 November 2020 14.00–16.00 GMT
PhD seminar with Peggy Deamer (Yale University).

Convenor: Łukasz Stanek, The University of Manchester
Twitter @StanekLukasz
Organisers: Manchester Architecture Research Group, Manchester School of Architecture, Manchester Urban Institute

MARG
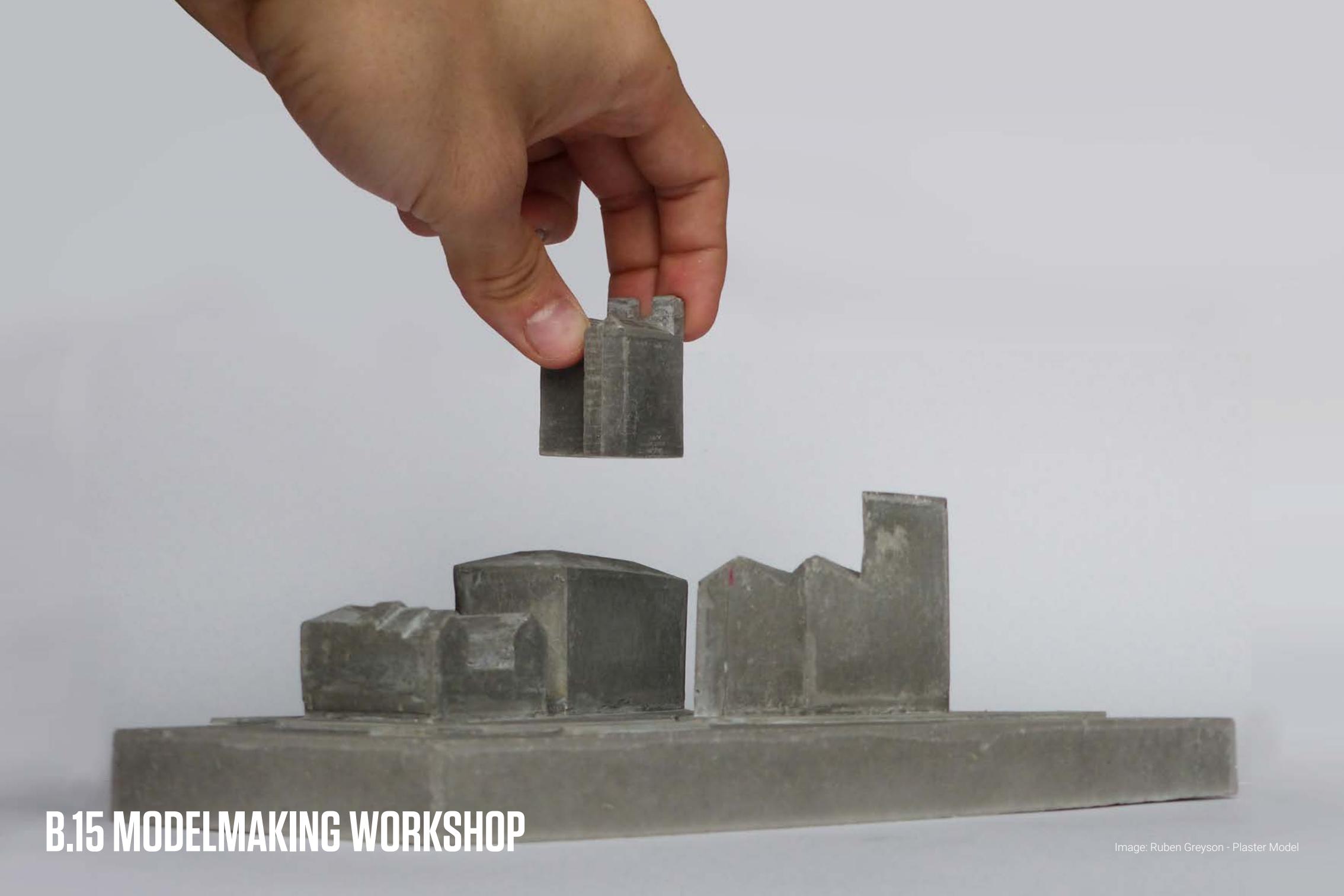
B.15 MODELMAKING WORKSHOP

Image: Ruben Greyson - Plaster Model

B.15 MODELMAKING WORKSHOP

SCOTT MILLER & SAUL PARKER BACKHOUSE
B.15

Workshop
With the shifting guidance surrounding the pandemic this year it was clear that maintaining a steady ear for all things modelmaking at the school was going to be a challenging but important link to a world away from the computer screen.

We are proud to have continued to offer support through online tutorials, a bureau service for digitally manufactured elements of student projects and, when able, face to face workshop access providing some welcome craft-based relief.

Moulding & Casting Workshop
Over the Easter break we were able to host our first short course in moulding and casting to students of all years. With the varied circumstances of each student in mind, course delivery was, and continues to be, flexible with some students who were unable to attend campus planning to complete practical elements of the course early in the next academic year. The course looked at basic moulding techniques and a selection of casting mediums using forms inspired by the work of William Mitchell.

Guest Lectures & Interviews
Paper and Patience:
Paper Modelmaker and Modelmaker at Haworth Tompkins Architects, Ellie Sampson

Concrete Too is Beautiful:
How William Mitchell's Casting Process Humanised Post-war Urban Landscape – Architectural Sculpture Historian Dr Dawn Pereira.

Studying Volume:
An exclusive interview with Artist David Umemoto.

B.15 Modelmaking Awards 2021
This year's awards have the expert support of SimpsonHaugh Architects here in Manchester, Bjarke Ingels Group Copenhagen and HENN Architects Berlin. We're proud to reward and showcase our students modelmaking and its continued use in design work throughout this very unorthodox academic year.

Socials
Website:
www.manchester.ac.uk/b15workshop

Instagram:
@b15workshop
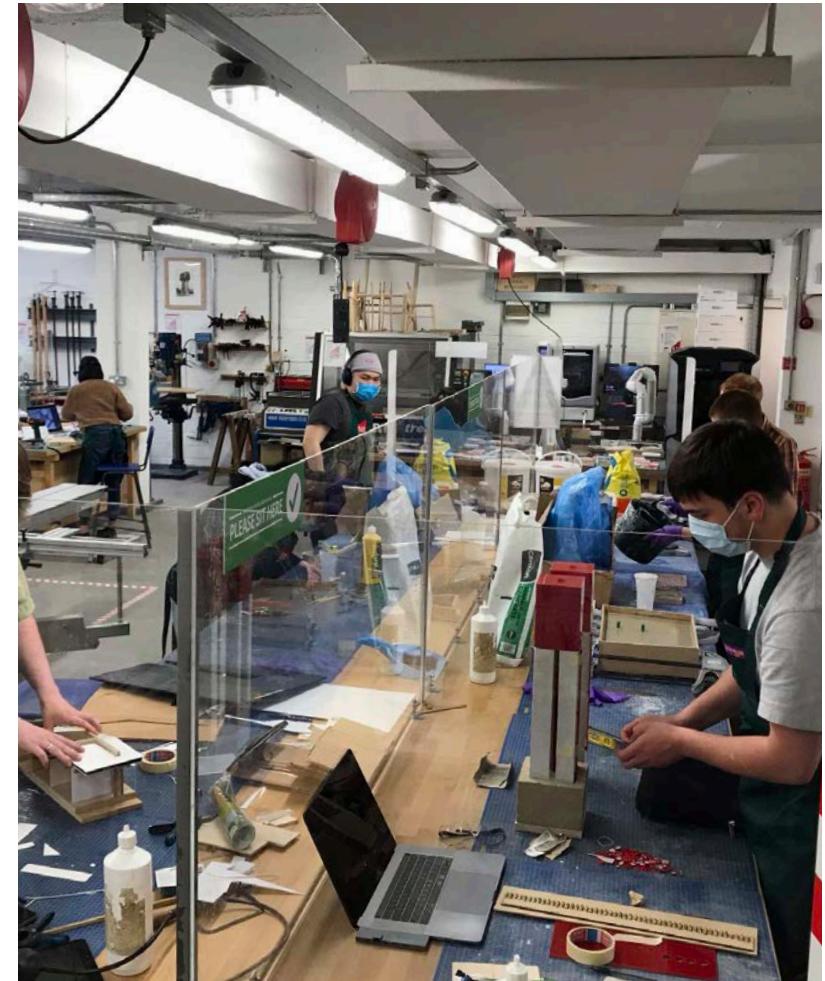
Students at work in B.15

Selection of Student Models

Saul Bunyan - works on his final site model

Aslan Lewis - Mixed media site model

Barbara Witczak - Model in preogress

Hayley Sheldon & George Williams - Column detail model

B.15 events & guest lectures

ADVANCED DIGITAL DESIGN

ADVANCED DIGITAL DESIGN

ULYSSES SENGUPTA
ADD Lead

Staff
Ulysses Sengupta
May Bassanino
Eric Cheung
Solon Solomou
Sigita Zigure
Mahmud Tantoush

Advanced Digital Design
The move to online teaching - due to COVID-19 in 2020 - forced a dramatic shift away from formal lab-based sessions. This has been used as an opportunity by the ADD team to radically rethink the provision by reimagining a digital culture across the whole school (BA, M.Arch, MLA and A&U). Recognising that the wide range of interests and research agendas within our large and pluralistic school, a new model based on assessment of digital education/provision across multiple institutions in the UK and Internationally has been developed. The new model directly addresses NSS feedback on digital skills: "...this [digital skills] is essential in that every piece of work submitted involves these skills heavily...". It also addresses a problem faced by most design schools in that digital skills teaching/learning cannot be fully aligned with the wide range of student project design interests, design briefs, technical requirements and time constraints. In response, the new provision is largely asynchronous and:

Is open to all programmes (BA, M.Arch, MLA and A&U).

Is divided into three separate streams (i) Essential, (ii) Advanced, and (iii) Specialist. This allows students to engage with the level most relevant to them and their long-term interests.

Develops an online video and resource library of software/coding/skills workshops (70 and growing) that has been customised to respond to the requirements, briefs and ambitions across the school.

Creates a new daily drop-in clinic for students to explore digital design problems and possibilities with named members of specialist staff (adept at using and teaching multiple digital software). Collates information on software, downloads, institutional support and remote access into one clear area for students. Develops a responsive forum for students and staff to interact on the latest digital issues through weekly updates/provocations. Student response to the new model has been overwhelmingly positive with all resources fully utilised.
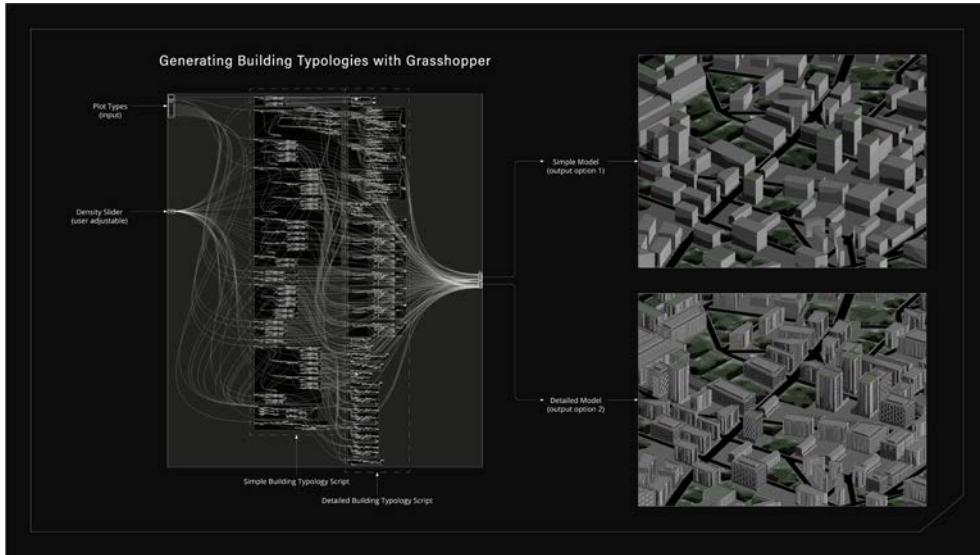
Elise Colley & Henry Baker - Generative urban topology using parametric architctural typologies

Chen, Yan., Chen, Yirui., Li, Linyu - Designing computational design tools
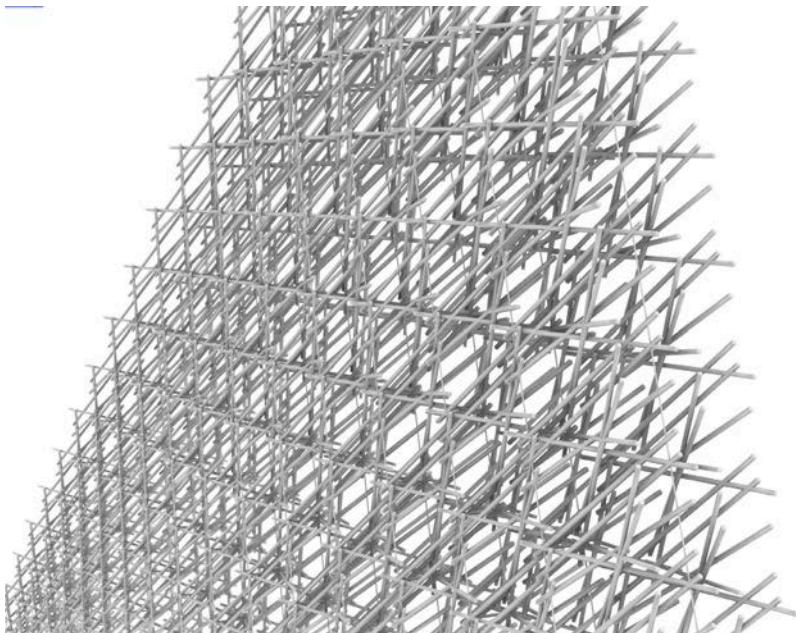
Yue Tam Cambow - Tectonic patterns

Chen, Yan., Chen, Yirui., Li, Linyu - Urban scale energy and radiation analysis
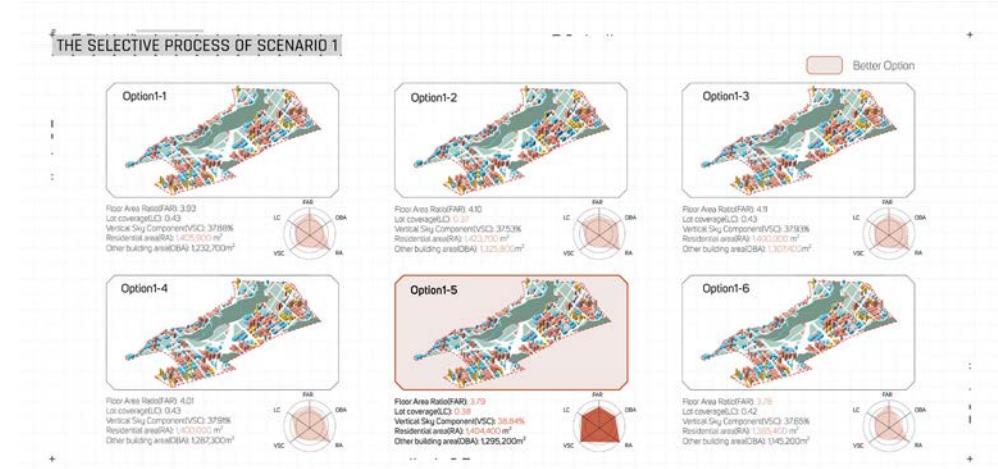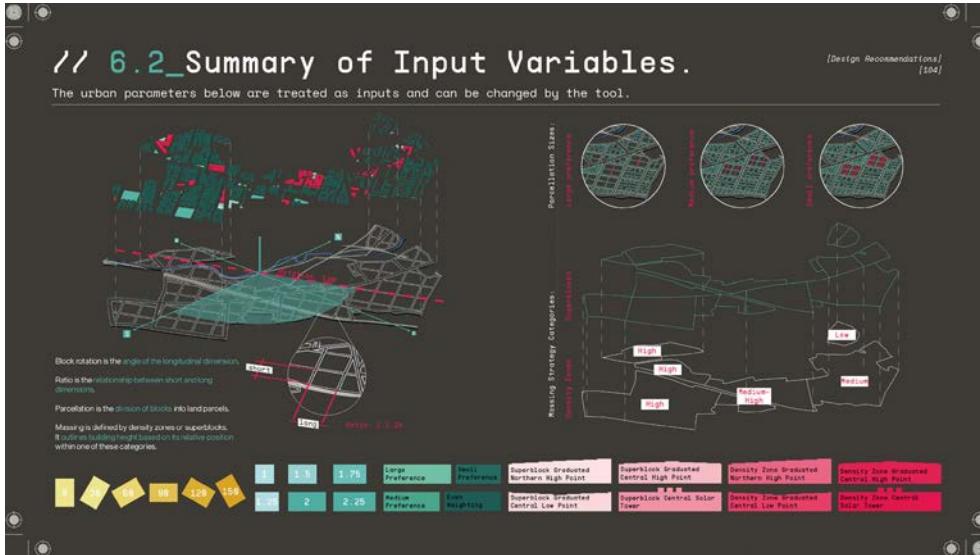
Maragakis, A., Quinlan, J - Parametric urban generative tool

Xie, Jiao., Su, Junjie., Xie, Siu., Chen, Menghan - Computation generated future scenario testing with performance indicators
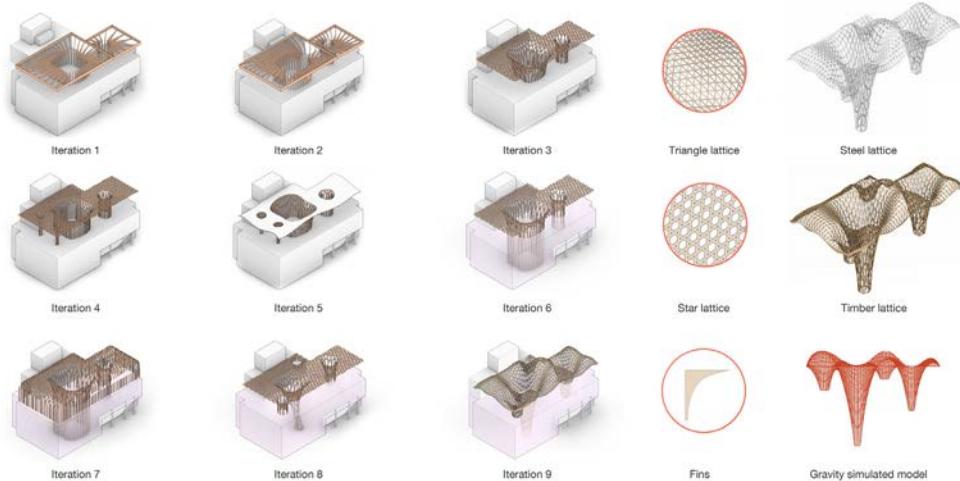
Cooper, T., Milburn, H., Salimi, Y - Parametric roof structure iterative design

Lim, Xii Don - Computational roof geometries through Grasshopper

MSSA

JAMIE LOH
MSSA Chair

MSSA Staff
Chair: Jamie Loh
Vice-chair: Miruna Neacsu
Treasurer: Călin Maier
General Secretary: Audrey Ma
Communications Director: Ivet Yaneva
Socials Director: See Eu Jin
Partnership Director: Akeefah Tasnia

MSA&U: Rowdah Charbak
MSA DU: Jana Senberga
BY30: Lukas Somodi
WOAH: Călin Maier
MSSA ZINE: Ada Ardeleanu
MSSACAG: Reni Koycheva, Laura Simonsen, Mylan Thuroczy
Photography: Xii Don Lim, Sara Miruna

Who We Are
The Manchester Student Society of Architecture (MSSA) is a completely student-led society at the Manchester School of Architecture (MSA). The largest society in the UK, we work closely with students, tutors, lecturers and collaborators within and beyond the school to celebrate students of architecture by enabling you with a wide range of experiences that put us in this unique city (and now, the virtual city). Made up of our many subgroups and in-house team, the MSSA has expanded across various subjects both in and outside of architecture – focussing on three aspects: [1] Community, where we look at community needs both within and beyond MSA. [2] Challenging Architecture, where its perceptions and industry are debated, discussed and documented. [3] Socials, making new bonds through silly fun and broadening friendships across different cultures. The MSSA has evolved into a one-of-a-kind platform for students to enable and sustain their incredible drive and enthusiasm.

What We Do
Under MSSA, we run events that range from debating, discussing and advocating to wellbeing, representation, socials and more. It is truly exciting and year on year the society has grown and outdone itself. We work closely with our subgroups and engage in weekly meetings to discuss emerging issues and how that can be turned into programmes or great fun. We are always excited to show you what is planned for the academic year - guest lectures by some incredible speakers, debates, campaigns, competitions and more.

Goals set for AY20/21
  - To be a collective representing the diversity of student voices and needs.

  - To contribute to the education and discourse of architecture, and its relevance to society and social issues.

  - To continue engaging all students to provide moral and academic support amidst the changes of Covid-19.

  - To collaborate with subgroups to cultivate platforms and environments where student interests can thrive.

MSA&U
Ivet Yaneva
Vicky Sisk
Mylan Thuróczy
Juliet Tremble
Călin Maier
Kerryn Peters
Cătălina Marina
Laura Simonsen
Sara Miruna
Keta Silina
Jana Senberga
Aaria Anand
Aisha Zulfiqar
Flora Teng
Irina Munteanu
Roshni Hablani
Satish Colbridge Vazé

BY30
Lukas Somodi
Rana Pauliana Budianta
Moe Narinee Garnpariyasoonthon
Diana Atudorei
Audrey Ma

Neda Vaičiulytė
Anastasia Christopoulou
Ivet Yaneva
Maria Figueiredo
Ziyi Wang
Ismael Zaman
Raussell-Vince Mendigo

WOAH
Călin Maier
Moe Narinee Garnpariyasoonthon
Aisha Zulfiqar
Arshya Mittal

MSADU
Maria Figueiredo
Keta Silina
Nasra Aden
Aaya Maksound
Arshya Mittal
Sara Miruna
Sara Tranescu

MSSA CAG
Hubert Sokołowski
Cătălina Marina
Angela Li
Ivet Yaneva
Kerryn Peters
Zoe Vong
See Eu Jin
Aaria Anand
Aisha Zulfiqar
Anastasia Stavrou
Sara Tranescu
Călin Maier
Maria Brzęk

Photography
Hengrui Liu
Catalina Marina
Angela Li
Anastasia Stavrou
Benedetta Rizzo
Kingsley Mak
See Eu Jin

Ella Wheatley
Joe Cox
Kareem Alsaady
Jamie Loh
Mylan Thuroczy
Reicela Paula
Sofia Viudez

MSSA ZINE
Angela Li
Benedetta Rizzo
Namon Thongsuan
Ella Wheatley
Hannah O'Neill
Jamie Loh
Lauryn Blackmore
Sofia Viudez
Ada Ardeleanu

About MSSA
How we work.

MSSA

THE MSSA TEAM

Chair
Jamie Loh, BA3

Vice-Chair
Miruna Neacsu, BA2

Treasurer
Calin Maier, BA2

General Secretary
Audrey Ma, BA1

Socials Director
See Eu Jin, BA2

Communications Director
Ivet Yaneva, BA1

Partnership Director
Akeefah Tasnia, BA1

COMMUNITY.

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#teamSocials Publicity House Merchandise
The MSSA Team
& Enrica Agus, BA3
architecturemssa@gmail.com
@architecturemssa

EQUITY, DIVERSITY & INCLUSIVITY

EQUITY, DIVERSITY & INCLUSIVITY

HELEN ASTON & PROFESSOR OLA UDUKU

Equity, Diversity and Inclusivity at the Manchester School of Architecture

In June 2020, just before the celebratory End of Year show was launched and in the context of the Black Lives Matter Call to Action in light of the sad death of George Floyd, a group of students at the MSA emailed the acting Heads of School requesting a statement be made in response to the horrendous racist violence, in support of and in 'ally-ship' with the Black Lives Matter Movement as they were extremely disappointed that MSA had not made an immediate statement. A statement was made by Professor Uduku at numerous faculty meetings, at the launch of the MSA end of year show and online awards evening and at all introduction to external examiners during June 2020.

Afterwards Helen Aston and Professor Ola Uduku responded to this Call, by meeting with the final year M. Arch students to discuss their concerns, proposals and suggestions and how in a collaborative way the MSA as a community could move forward.

The EDI Code of Practice for the Manchester School of Architecture has been instigated by the activities of the BLM_Arch@MSA Team of students whose work we acknowledge in prompting the creation of the document. This is a text that remains in constant development and will be incorporated as a key document that signifies Manchester School of Architecture's commitment to being a fully inclusive and socially driven Architecture School, which is welcoming to all its students, staff and all who contribute and engage with the MSA.

The current position that the MSA has taken is that of being committed to delivering a socially engaged curriculum in a general fashion across the School. There has been no critical reflection on what this actually has achieved in practice. We have neglected addressing the clear racial disparities in staffing at all levels in the School. Furthermore, the decolonisation of our curriculum content is improving, but other areas of inclusivity have yet to become mainstream in our claim to address and welcome diversity.

Core agendas that the code discusses are action plans towards;

- addressing lack of diversity in practitioners in guest speaker and guest studio reviewers

- MSA scholarships

- specific not generic mentoring

- decolonising theoretical and design education

- further diversification of reading lists

- Improving resources for Black and minority students

- further outreach to colleges

- improving the representation of POC in all aspects of Architectural Teaching

- accelerating change to remove barriers

For MSA to achieve transformational change in all areas of inclusivity and diversity. It is essential that there is a commitment to changed practices in all areas that will need to take place over a defined time scale; from the immediate, to the long term. This is what this Code of Practice seeks to provide the framework to deliver.

The events surrounding the death of George Floyd in the USA in 2020 and the call for racial justice across the world propelled us as a school community to reflect on our own practices and our stance on racism, but additionally a stance on wider agendas regarding equity, diversity and inclusivity. While we have always tried to ensure that all students are in a safe and welcoming environment, we admit that more work is always possible. In response to the Call to Action by the @blm_archmsa group and in consultation with this group we are proud to announce that going forward, the MSA is an anti-racist School. This means that we no longer believe it is good enough to not be racist. Being anti-racist means all members of our school community will tackle racism wherever we find it, including within ourselves. We will embed the two anti-racist principles of personal accountability and action

into all aspects of life at the MSA in order to ensure every single student, guest and staff member is respected and cared for so that they can flourish. As an anti-racist school, the MSA will be a community in which we work, learn and grow together with equity.

Architecture especially has had a direct link to equality and diversity issues. Stephen Lawrence, the Black British student who was murdered in 1993 in South London, had intended to study Architecture. The Stephen Lawrence Foundation, (now renamed Blueprint for All) was set up in his memory. The Foundation had at its core the aim to improve access and higher education opportunities for minority groups. In the twenty-five years of its existence, the number of students in architecture from a British Black minority background have only marginally increased. Students of colour and their allies in British Architecture Schools were engaged in the 2020 BLM demonstrations, expressing a range of demands from the decolonisation of the curriculum to better representation across all parts of the Architecture profession.

PROVOCATIONS

EXPERT PANEL

DAN DUBOWITZ, RAY LUCAS, JOSÉ HIDALGO
Co-Chairs

Editorial Board
Emily Crompton
Luca Csepely-Knorr
Sally Stone
Stephen Walker

This year, the Expert Panel ran an ambitious series of events aligning with MSA's priorities of addressing equality and diversity in the disciplines of architecture & landscape architecture and covering a broad range of topics. Staff and students from across the school proposed the Provocation themes and speakers, with the programme assembled by the editorial board.
The expert panel activities supplement the core teaching at MSA by offering alternative viewpoints and expertise. These conversations are crucial in opening up the level of discourse in our school, of extending the life of projects and starting conversations that might continue over the course of an entire career. These are part of a holistic approach to our curriculum, which consist of more than the assessed criteria.

The Provocations series retained its format of two short, punchy presentations followed by a longer conversation guided by a discussant. This allowed questions from our audiences to be moderated and supplemented, bringing speakers together to discuss a matter of concern in their practice and research. We also ran Pecha Kucha sessions, introducing our Editorial Board discussing The Project that Got Away and also introducing invited experts who would be leading Salon discussions. We hosted the first Inspirations talk with our new Head of School, Professor Kevin Singh introducing his (Accidentally) Curated Career and we will expand these lectures in the coming year. The Salons were also conducted remotely this year, and allowed students access to outside experts with a considerable range of expertise including clients, developers, planners, archaeologists, artists, architects and academics. These brought students from all of the programmes in MSA together: the BA, MArch, MA A+U, and MLA. Details of the series can be found via our Instagram account **@MSA_Provocations**, and this year's talks are all available to watch again via our playlist:

https://tinyurl.com/mbuk6fxr

West Knows Best?
Anupama Kundoo + John Lee; discussant: Ola Uduku

8 Years to Save the Planet.
Angela Connelly + Scott MacAuley;
discussant: Reni Koycheva

Letters to a Young Architect.
Tony Fretton + Mark Pimlott; discussant: Sally Stone

Distracted Attention…
Igea Troiani + David Reat; discussant: Ray Lucas

Subversive Architecture.
Karsten Huneck + Sans Façon; discussant: Mike Rostock

What is Conservation?
Flores & Prats + Dominic Roberts;
discussant: Sally Stone

The Future of Futures?
Dan Dubowitz + Nick Dunn; discussant: Martyn Evans

Architecture is not the Solution.
Irina Bauman + NIVASA; discussant: WOAH

Urban Ecology.
Johanna Gibbons + Matthew Gandy;
discussant: Becky Sobell

This Space is Not For You.
Harriet Harris + Pooja Agrawal; discussants: Helen Aston + Kathryn Timmins + Quadri Shogunle Aregbesola

Short Exposure.
James Crawford + Sandra Denicke;
discussants: Mike Rostock + Dan Dubowitz

Why Do We Make Models?
Liz Hallam + Roz Barr;
discussants: Scott Miller + Ray Lucas

Landscape & Reconciliation.
Ujijji Davis + Tim Waterman;
discussant: Luca Csepely-Knorr
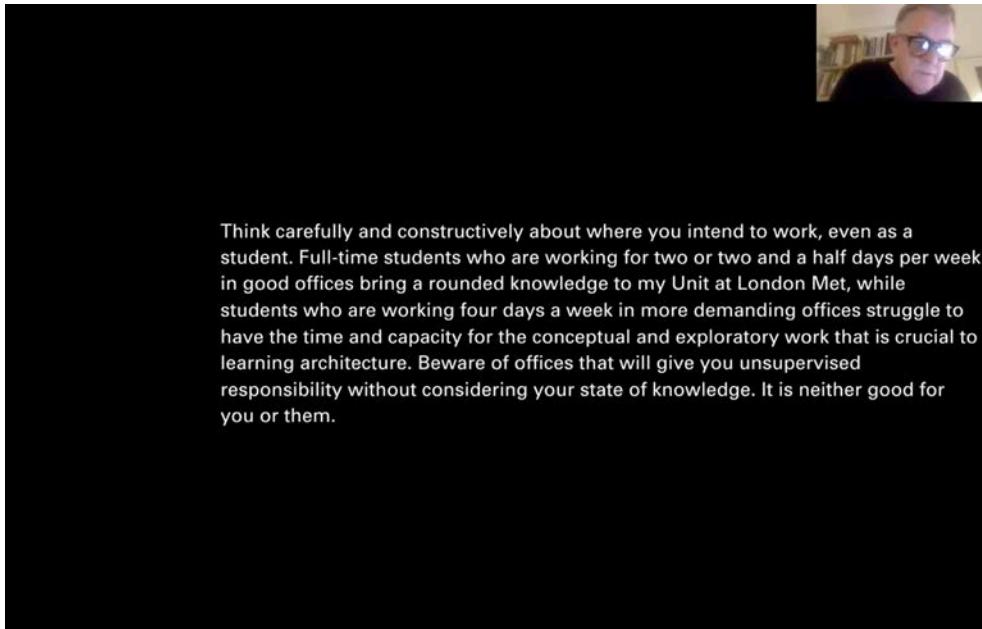
Provocation 03 with Tony Fretton delivering his Letter to a Young Architect
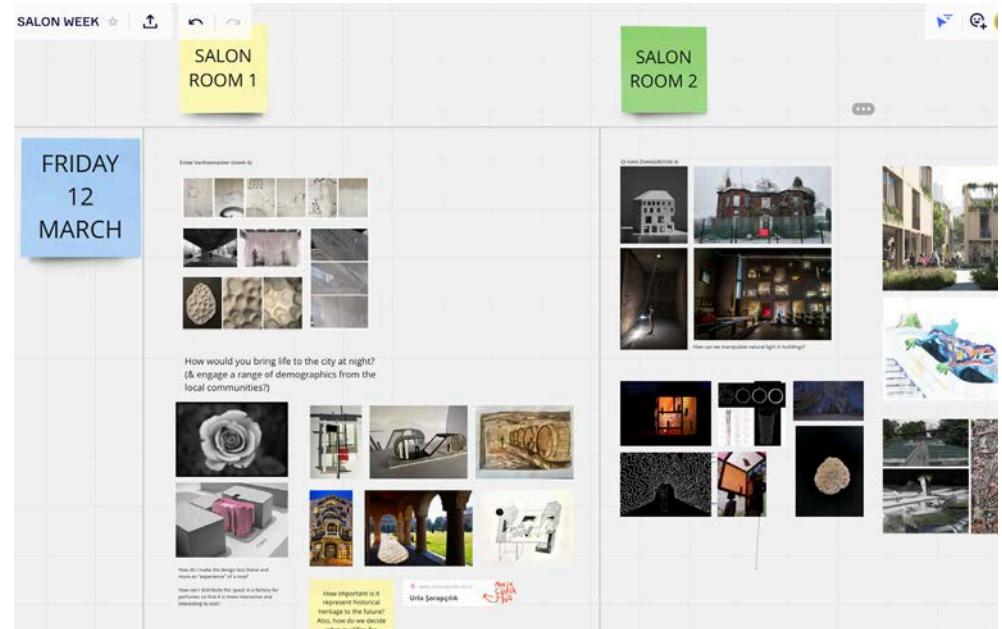
MIRO Board from Salon Discussion
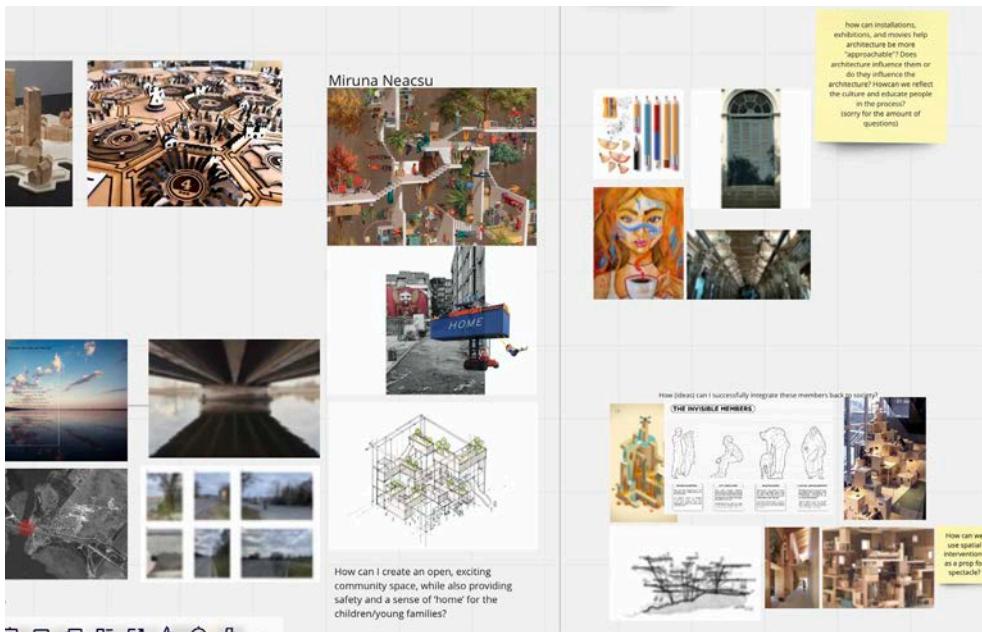
MIRO Board from Salon Discussion

Provocation 13 with Ujijji Davis, Tim Waterman & Luca Csepely-Knorr

Pecha Kucha & Salon Week Posters

AWARDS 20/21

AWARDS 20/21

All School & BA (Hons)

All School
B.15 Modelmaking Awards 2021
- Saul Bunyan (BA3)
- Matthew Meeson (MArch 1)
- Patrick Davies (MArch 2)
- Dan Warren & Mona Tamaru (MArch 2)

MSA Fantasy Premier League Winner
- Callum Plumb, Crtl Alt De Ligt

BA (Hons) First Year
Joe Jessop Award for Contribution to First Year
- Arshya Mittel

John H.G. Archer Prize for Outstanding Achievement in Humanities
- Briana Dorea

BA (Hons) Second Year
The Partington Prize for Best Technology Coursework in 2nd Year
- Ruben Greyson

Andrea La Spina Award
- Hubert Sokolowski, Sara Tranescu, Calin Bogdan-Maier and Laura Simonsen

John H.G. Archer Prize for Best Humanities
- Jack Prowse

Ian C.S. Crowcroft Prize for Meritus Performance
- Kerryn Peters

Women in Property (MSA Nomination for the award)
- Fanny Bois-Berlioz

MSA Award for Design and Presentation (Portfolio)
- Thomas Massey

BA (Hons) Third Year
John H.G. Archer Prize for Best Humanities, 3rd Year, BA (Hons) Architecture
- Jana Senberga

BA3 Elective Awards
- Rob Mccarthy

- Natalia Gryskowska
- Will Whittaker
- Simona Drabuzinskaite
- Victoria Gwyneth Sisk Reynes
- Thanh Long Nguyen
- Irina Coraga
- Kulsoom Qazi
- Oscar Frith
- Rosemary Clowes
- Matthew Norris
- Arian Reyhanian
- Alice Allen
- Benjamin Faure
- Isobel Gibson
- Hafsa Adamu
- Alice Burgher
- Isabelle Warren
- Michal Romaniuk
- Keta Elizabete Silina
- Grace Mcguire
- Omar Elmamoun Noia-Rodriguez
- Radu Neagoe
- Min Jing Toh
- Eleanor Jones
- Jana Senberga

Steacy-Greenaway Prize for Outstanding 3rd Year Studio, BA (Hons) Architecture
- Mylan Thuroczy & Will Smith

Outstanding Academic Achievement (OAA) Awards 2021. Students achieving average score over 75%
- Mylan Thuroczy
- Benjamin Faure
- Eleanor Jones
- Ke Ling Neoh
- Omar Elmamoun Noia-Rodriguez
- William Smith
- Grace McGuire
- Milo Heywood
- Millie Qian Yao Chieng
- Matthew Norris
- El Hadi Boudouch
- Hana Wajihah Ahmad Baihaki
- Keta Silina
- Irina Coraga

- Kristupas Kadys
- Alexandra Maria Raper Rumoroso
- Saul Bunyan
- Saffron Annie Nicholson
- Amanda Lim Shu Yi
- Christian Brook Barnes
- Lukas Somodi
- Natasha Ganotaki
- Jana Senberga
- Yue Tam
- Robert McCarthy
- Jake Grady

Dean's Award for Achievement Nomination
- Eleanor Jones

AJ Student Prize (MSA Nomination for the Award)
- Grace McGuire

Excellence in year wide discourse and debate
- Rowdah Charbak

Sheppard Robson Jicwood Prize
- Jake Grady

MArch, MLA & RIBA Nominations

MArch Year 1

Bown Prize for Outstanding Design Portfolio for a 5th Year
- Luke Thomas & Samuel Sayle

Sheppard Robson Jicwood Prize
- Matthew Meeson

Research Method Prize
- Juliet Tremble
- Zhanyuan Gao
- Adeyinka Adedunni Adebiyi
- Diana Ursachianu
- Maria Gorreth Tavares Duarte
- Holly Sutcliffe
- Dilan Vithlani
- Jaskarran Sahota
- Keerthana Manimaran
- Premdyl Singh Shadan
- Joseph Twitchen
- Isabel Mccauley
- Max Ferguson Frost
- Rianna Grant
- Daniel Walsh
- Emily Wood
- Uka Luvsansambuu
- Jamie Talbot
- Giorgos Porakos
- Xinzi Deng
- Billie Pritchard
- Dominic Street
- Jack Francis
- Angel Maria Cunningham
- Katerina Pikhartova
- Laura Bucknall
- Oliver Meads
- Fara Amjad
- Wendell Wen Yan Lu
- Hayden Moores
- Henry Mole
- Jemima Eyre
- Soniamaria Losapio
- Christian Anthony Cunha Brown
- Madeleine Adams
- Eva Filose
- Eyad Kablan
- Edna Thomas
- Lukas Gedeikis
- Catherine Westhead
- Luo Zhang
- Merianna Osman
- Shreyansh Barua
- Jason Wong
- Olivia Mihale
- Joseph Cox
- Jack Whitehouse
- Zhe Han (Daryl) Law
- Bethany Stewart
- Ismael Zaman
- Lingxi Tao
- Chin Yeung Jason Chan
- Millie Evans
- Georgina Cantrill
- Amine Mouaqit Mohammed
- Hsuan Fang (Sharon) Cheng

G.E. Greenaway Prize for Outstanding MArch Dissertation
- Jemma Baldwin

Society of Architectural Historians SAHGB Dissertation Prize (MSA Nominations for the award)
- Rebecca Beer and Robert Crutchley-Macleay

MArch Year 2
The Hays Prize for Best Individual Coursework in Professional Studies
- Sonia Balaguru

The Hays Collaborative Prize for Best Group-work in Professional Studies
- Everything And The Kitchen Sink (Lorenzo la Magna Zimmerman, Harry Westwood, Sally Lofthouse, Kiran Milton, Freya Cooper Williams, Angus Riddell, Martha Hiles)

AHR Vic Basil Professional Studies Prize for best overall performance
- Sonia Balaguru

3D Reid Student Prize nomination
- Remi Phillips-Hood and Julia Arska

Dean's Prize
- Liam Costain
- Julia Arska
- Joe Copley
- Remi Phillips-Hood
- Tom Register
- Mike Rostock

AJ Student Prize (MSA Nominations for the award)
- Amanda Chua

AJ Sustainability Prize (MSA Nominations for the award)
- Joshua Quinlan & Andreas Maragakis

Steacy-Greenaway Prize for the Outstanding 6th Year Academic Portfolio
- Mona Tamura & Dan Warren

Heywood Medal for the best Overall Academic Performance
- Abigail Colder

MLA Part 1
Landscape Institute North West - Best MLA1 portfolio
- Evelyn Boyce

MLA Part 2
Exterior Architecture for Best MLA2 Portfolio
- Charlie Griffin & James Stephenson

Atkins for Best Placemaking Award
- Yingman Gao

Landscape Institute North West for Best MLA2 exhibition
- Yingman Gao

RIBA Nominations
RIBA Dissertation Medal (MSA Nomination for the award)
- Jonathan Barker

RIBA Bronze Medal Nominations
- Brandon Chan
- Hana Wajihah Ahmad Baihaki

RIBA Silver Medal Nominations
- Quadri Shogunle-Aregbesola
- Sonia Mancxia Balaguru & Jo Lynn Tan