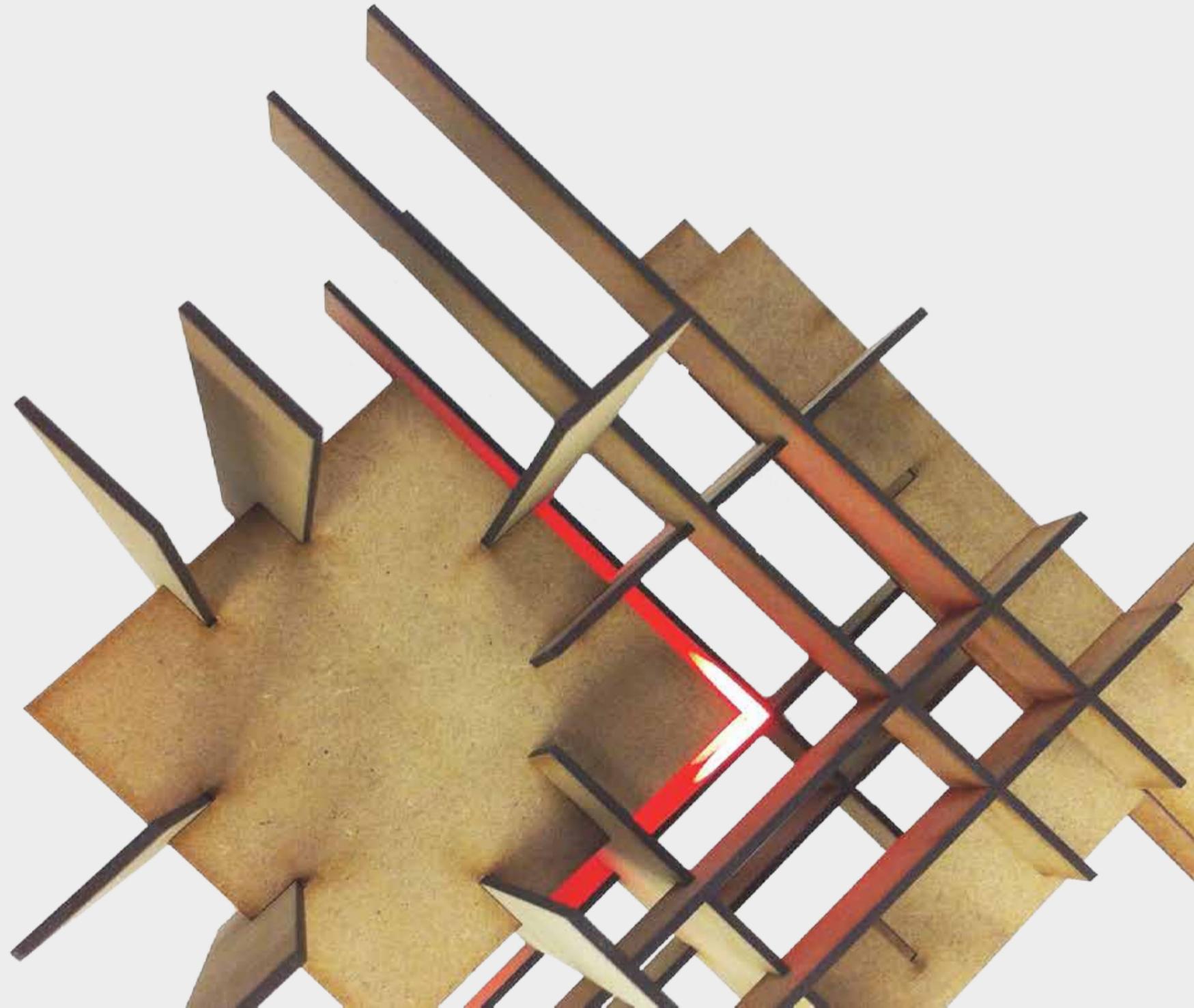


PORTFOLIO

ARCHITECTURE + DESIGN

SEAN KIERON BAILEY





97 Charlton Road,
Southampton, England,
SO15 5EU
+44 7805 596148
Date of birth | 23 02 1993
Nationality | UK & US Citizenship

PAST EXPERIENCE

Richard Hopkinson Architects | Tonbridge, Kent
2014 - 2016

EDUCATION

First Class Degree in BA Architecture (hons.)
University of Liverpool | School of Architecture
2011 - 2014

COMPUTING SKILLS (not limited to)

Sketchup, Rhino/Grasshopper, AutoCAD, Revit, V-Ray,
Photoshop, InDesign, Illustrator, MS Office



Back Canning Street, Liverpool | 2011

SELECTED PROJECTS

SOUTHVIEW ROAD 01 2016, Richard Hopkinson Architects	1-2
NORTH KENT COLLEGE RECEPTION 02 2015, Richard Hopkinson Architects	3-4
1 RODNEY AVENUE 03 2014, Richard Hopkinson Architects	5-6
MORPHOGENESIS PART I 04 2014, Third Year	7-8
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RESIDENTIAL BUILDING 07 2013, Third Year	15-18
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PERSONAL INTERESTS 10 On-going	25-26

Liver Buildings | Liverpool, UK



SOUTHFIELD ROAD 01
Richard Hopkinson Architects
2016

The latest project I worked on at Richard Hopkinson Architects was for a small 2 bedroom house in Tunbridge Wells.

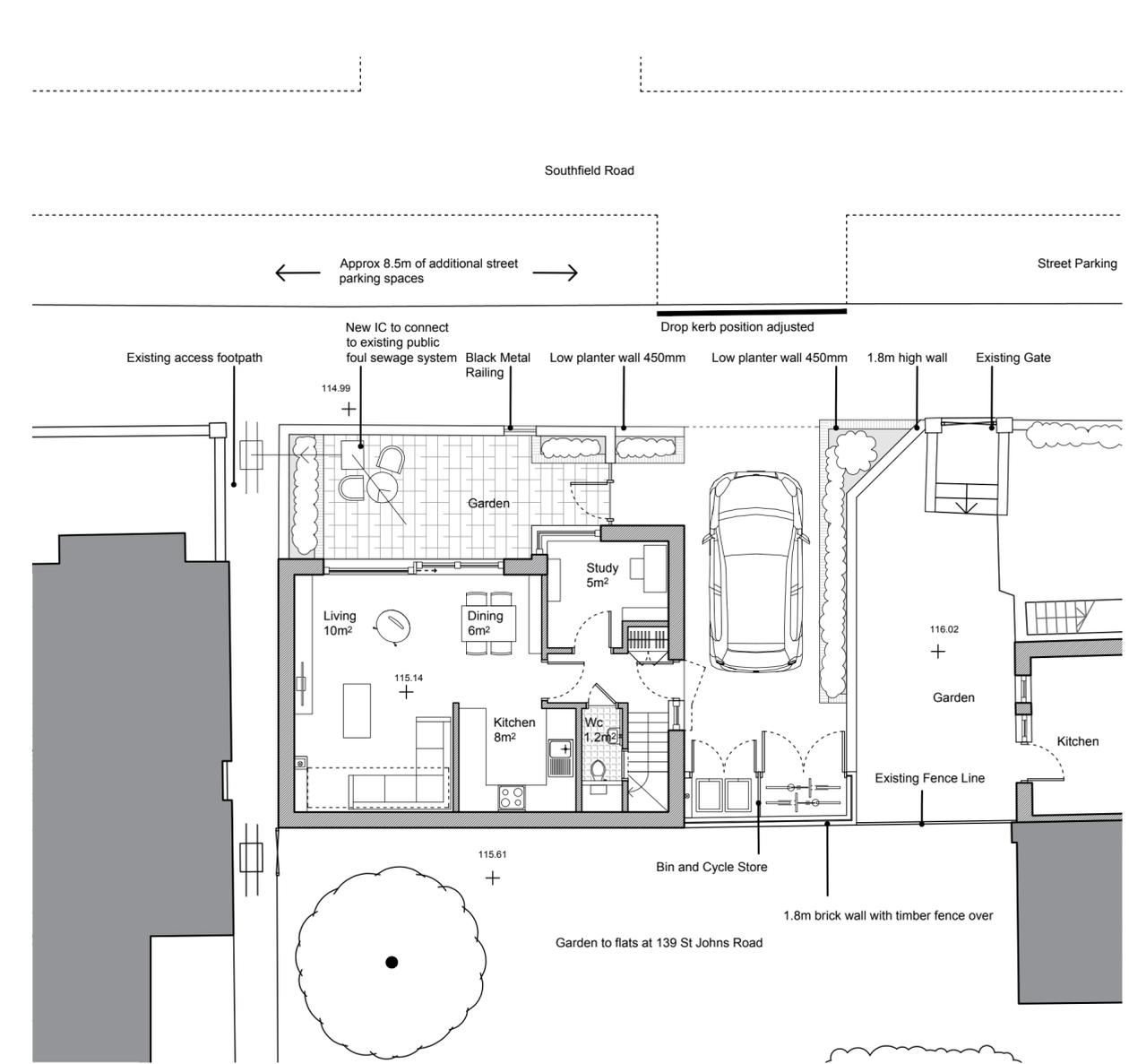
The house passed planning in March 2016.

V-Ray Render | Southfield Road

Location
SOUTHFIELD ROAD, TUNBRIDGE WELLS
 Site Area
100 SQ. M.



The house went through several pre applications due to the sensitive nature of the existing context. In these meetings the planners felt a roof would be too dominating on a new modern house on the current street scape. The brick and the set back on the front facade are reflections of the character of the road.



Ground Floor Plan

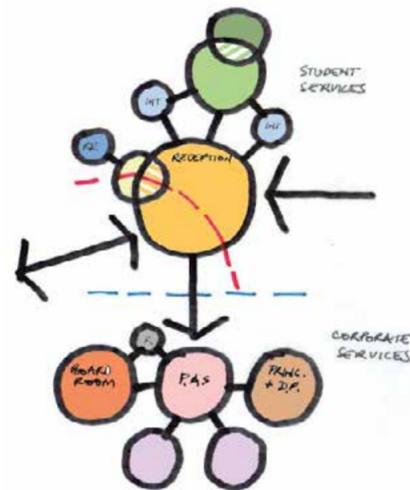
NORTH KENT COLLEGE 02
Richard Hopkinson Architects
2015

A more recent project with Richard Hopkinson Architects gave me the opportunity to lead the design work of a reception building for a college - under the supervision of the practices' directors.

The college, within the greenbelt of London, had proposed to build a new teaching facility. Along with the new teaching facility we saw the opportunity to provide the college with a new reception as well that acted as powerful gateway to their academic establishment.

Principles of Adjacencies | Initial Development Diagram

Location
NORTH KENT COLLEGE, DARTFORD



Our idea was to introduce a reception for the college which could be seen from the entrance of the college's campus. This would be in addition to the teaching facility.

I lead the development of the design and produced the drawings which were then shown as part of our bid to the college.

The new reception building would also act as an administration hub for the campus. Including office facilities, a cafe and a floating boardroom over the reception and entrance.

Reception Building | Exterior Render

- 1. CAFE
- 2. RECEPTION
- 3. POSTROOM
- 4. FRONT OF HOUSE STUDENT SERVICES
- 5. INTERVIEW ROOMS
- 6. UNISEX WC
- 7. PA/ ASSISTANT OFFICE
- 8. BOARDROOM



Ground Floor Plan



First Floor Plan



1 RODNEY AVENUE 03
Richard Hopkinson Architects
2014

1 Rodney Avenue was the first project I worked on during my part 1 experience at Richard Hopkinson Architects.

The proposed development is a 2 storey detached house with a footprint of 140m² designed in the garden of our clients existing property.

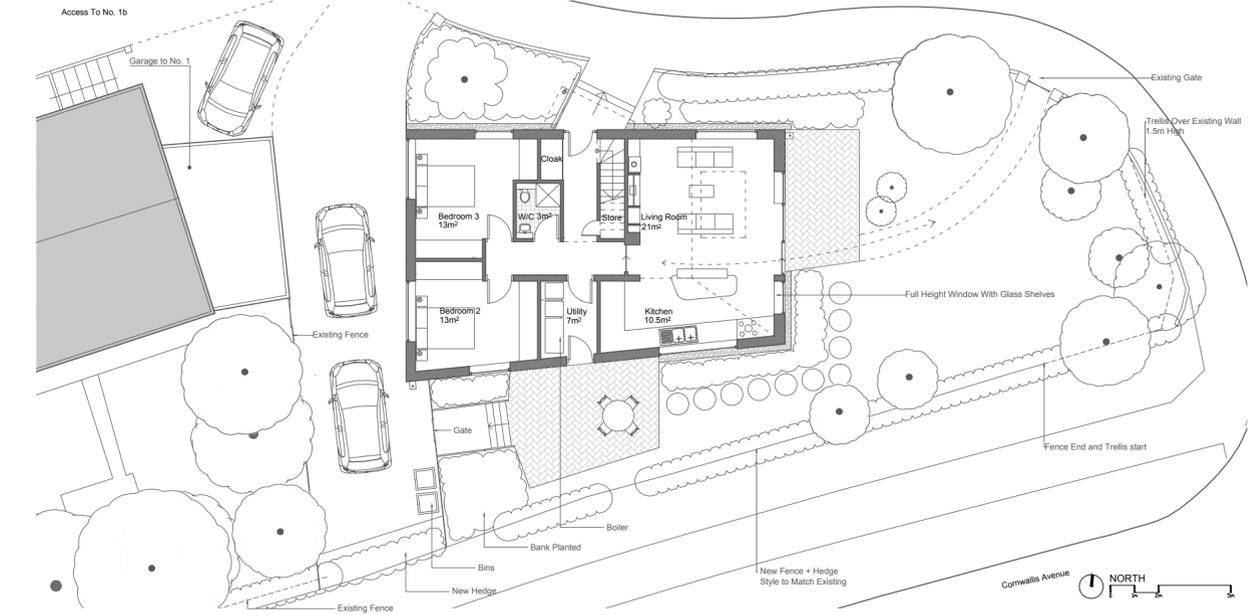
1 Rodney Avenue | Exterior Render

Location
RODNEY AVENUE, TONBRIDGE
 Site Area
376 SQ. M.

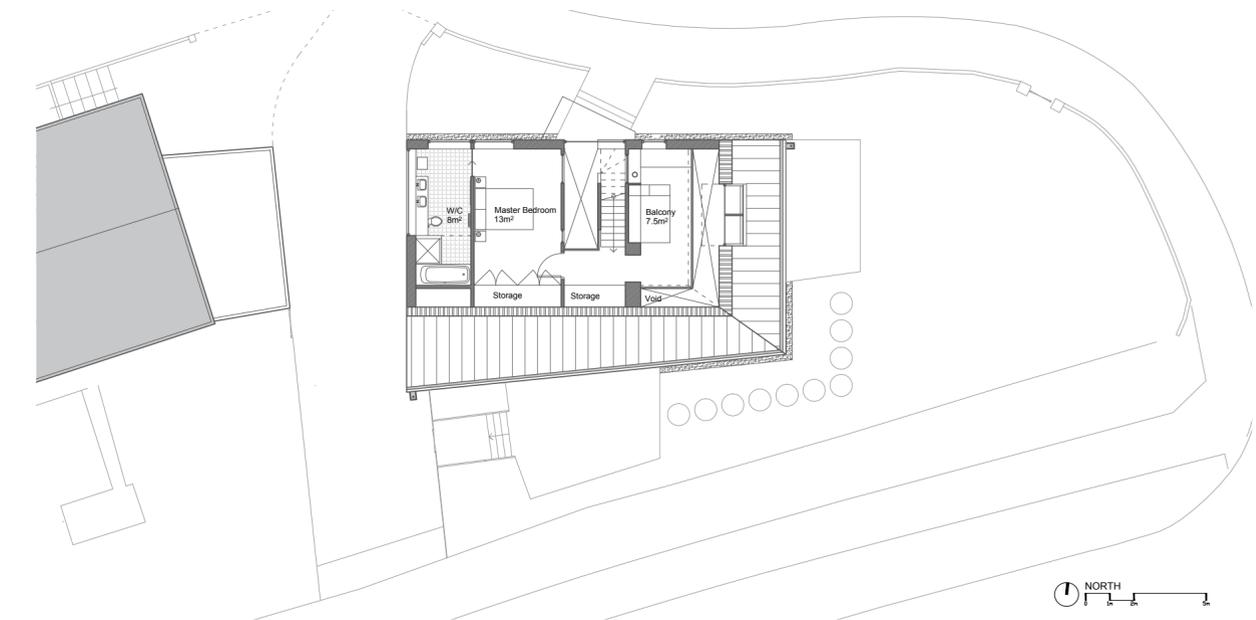


The ground floor level has a footprint of 95m² with 2 ground floor bedrooms. The first floor, almost half the size, contains a master bedroom and study gallery. The living room on the lower ground includes a double height space into which the study gallery lies above.

One of the most complicated issues faced with this project was the neighbouring bungalows. To deal with this issue the building is sunk into the ground at the top of the sloping site. The floor levels off at the bottom of the house.



Ground Floor Plan



First Floor Plan

MORPHOGENESIS PART I 04
Third Year, University of Liverpool
2014

This project generated my Old Haymarket design.

The idea was to create a form inspired by an existing precedent. This abstraction took its inspiration from Dresden's New Synagogue where twists have been formed with a heavy material.

The morphogenesis focuses on twisted forms and light qualities in a perforated shell.

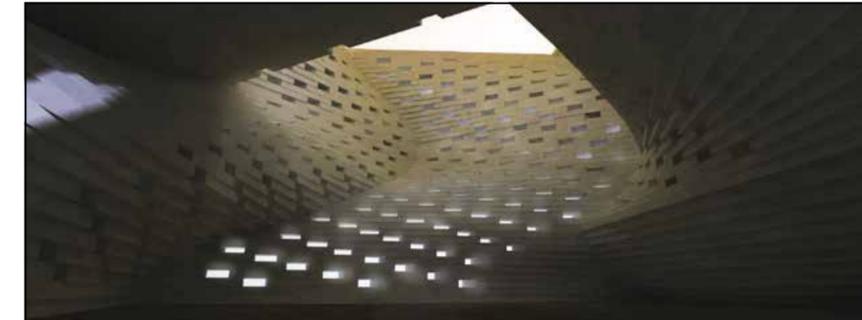
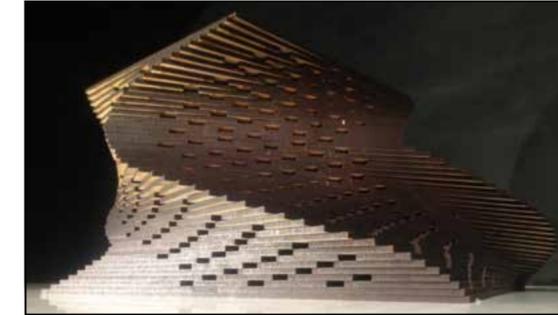
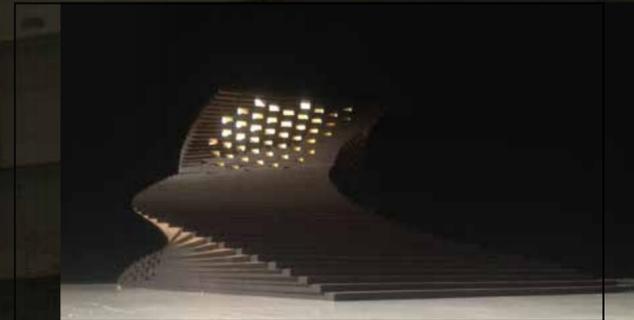
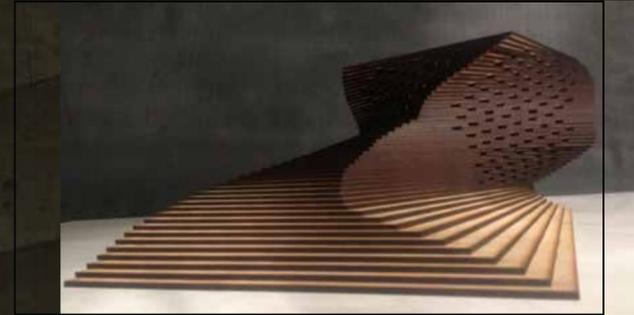
The model at this stage exists only as an abstraction.

Light Perforations | Conceptual Interior Render

The initial approach was to develop a controlled twist. Two ways are suitable for this to create a successful form:

- Parametric twists relating to a surrounding geometric element.
- Symmetric twists maintaining a degree of rotational symmetry.

Final Abstraction | Physical Model



Developmental Forms

OLD HAYMARKET 05
Third Year, University of Liverpool
2014

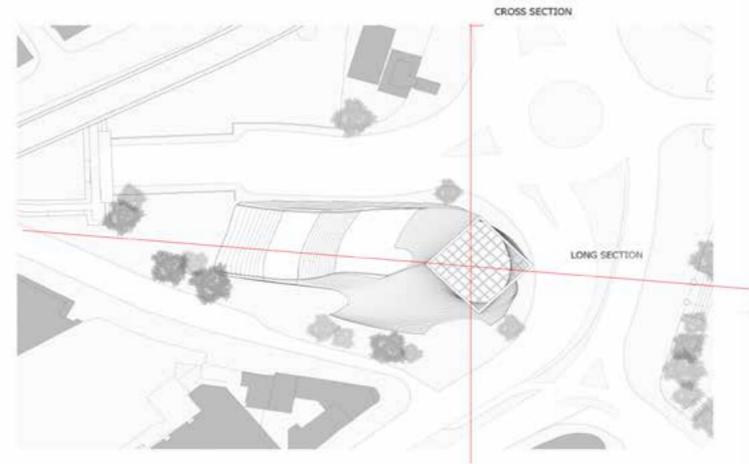
The roads and pathways were vital to drive the design from its abstraction into a functional space as a market.

The speed of the sites surroundings created the parametric relationship with the wider context.

The passing traffic and movement, which is integral to the site, also manages to twist and turn this monolithic structure away from the opening of Queensway Tunnel into Liverpool city centre.

The form rises to a rectangular peak through stepped levels, created by stacked orthogonal layers where it squares off to face some of Liverpool's greatest architecture.

Old Haymarket | Exterior Render



The twisted volume creates the need for the interior spaces to be domed. The repetition of these domed spaces divide up the market into its different areas.

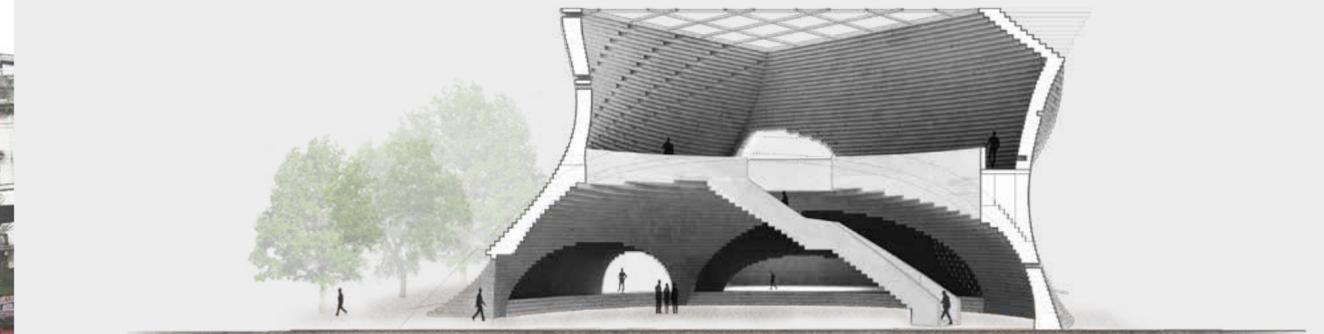
These areas make up the combination of exhibition and gallery space, as well as the space for the market stalls.



South Elevation



Long Section



Cross Section

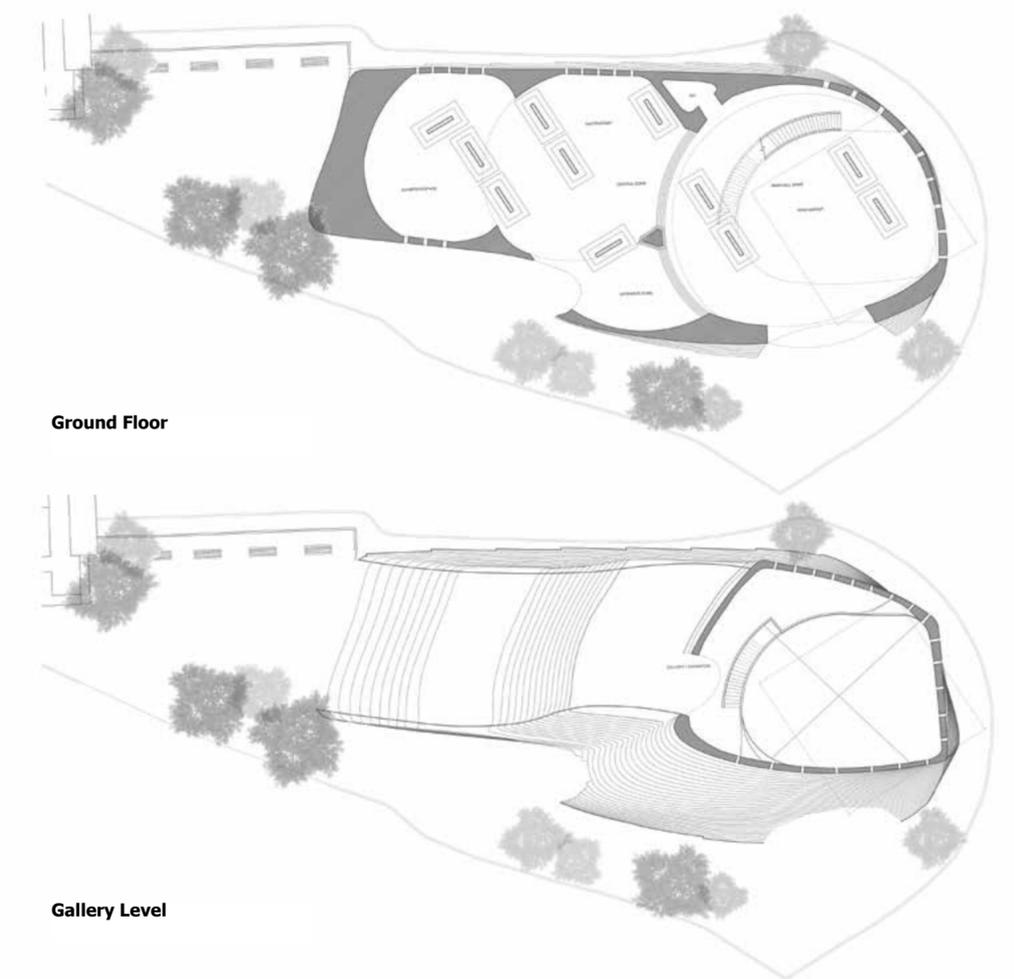
OLD HAYMARKET cont. 05
Third Year, University of Liverpool
2014

The Old Haymarket resides within the public realm of the city centre, and introduces Liverpool to a unique approach to a market and events space.

The hall resides in a unique and atmospheric contextual backdrop for shoppers, combining the historic museum district of William Brown street to Church street and the town centre in Liverpool.

Old Haymarket | Interior Render

Location
QUEENSWAY TUNNEL, LIVERPOOL
Site Area
2960 SQ. M.



Ground Floor

Gallery Level

MORPHOGENESIS PART II 06
Third Year, University of Liverpool
2013

Intersecting planes and modularization inspired the strategy for finding the form of this morphogenesis model. A set of modularized elements make up the 'kit of parts' that assemble these models.

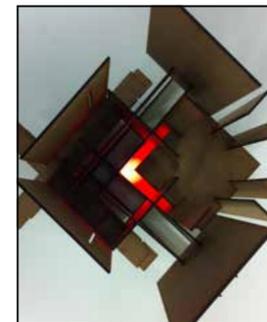
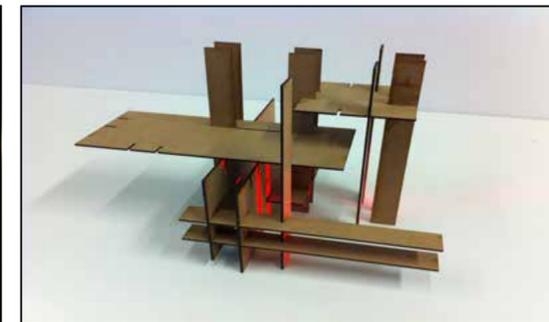
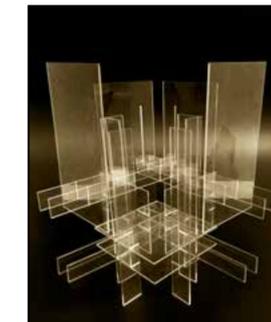
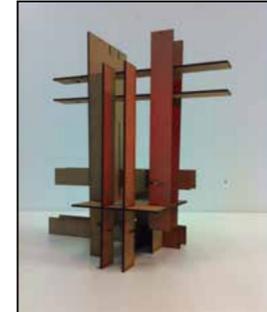
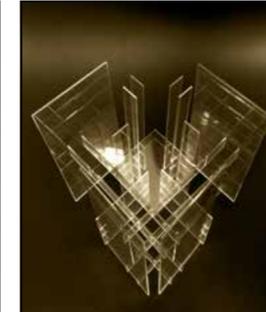
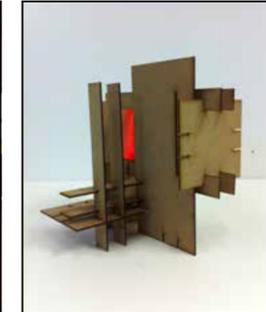
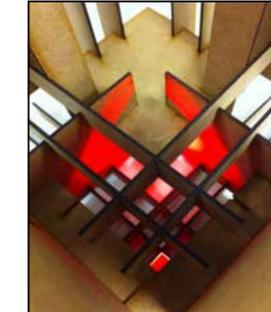
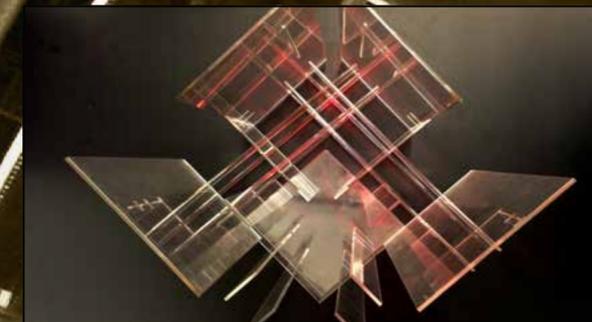
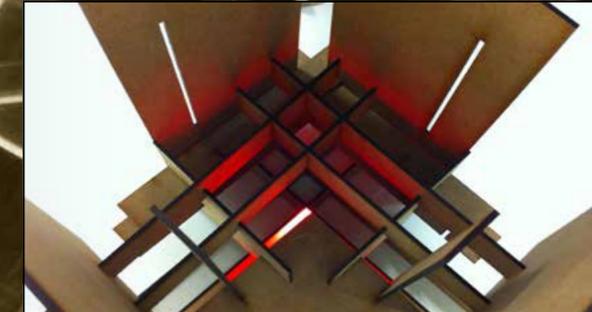
Each model creates its own unique variation on subtraction of space. These subtractions can be highlighted with different light intensities set within the form.

The final model was created in acrylic allowing the spatial clarity to evolve through the planes almost as if it transcended the third dimension.

Acrylic Abstraction | Intersecting Planes | Model

The 'kit of parts' makes clever alignments based on a regulated grid. The parts were handed out to a variety of people to show the flexibility of the kit and to discover how people would use it.

Each model was photographed and successful models were compared with each other to understand what makes the form more interesting.



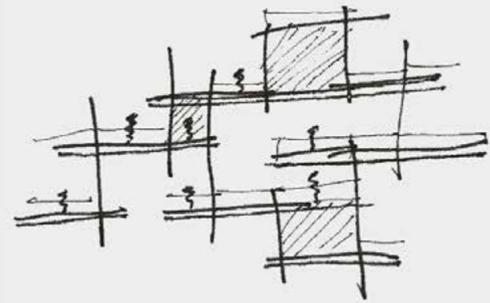
RUMFORD STREET 07
Third Year, University of Liverpool
2013

The projects concept was inspired by various pathways through the City of Liverpool.

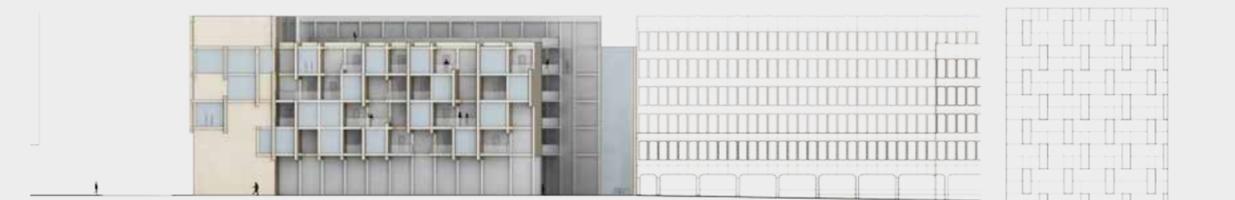
The intersecting planes morphogenesis phase evolved into ideas of floating walkways and bridges. These serve individual apartments whilst maintaining a high light quality throughout the form.

These floating walkways are set within what I saw as an important pathway through the city, thus allowing the 'connectedness' of the city to evolve three dimensionally.

Concept Sketch | Intersecting platforms



North Elevation



West Elevation



East Elevation

RUMFORD STREET Cont. 07
Third Year, University of Liverpool
2013

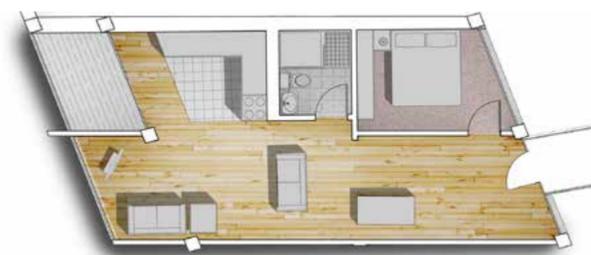
This residential project includes:

- 2 x Large retail spaces (Ground Floor)
- 24 x 1 Bedroom Flats (2 People)
- 8 x 3 Bedroom Flats (5 People)
- 5 x 2 Bedroom Flats (3 People)

Communal Spaces included are a rooftop bar, the ground floor pub which is recreated in the location of the pre-existing pub, a private gym and a community room for residents.

Residential Project | Exterior Render

Location
RUMFORD STREET, LIVERPOOL
 Site Area
1519 SQ. M.



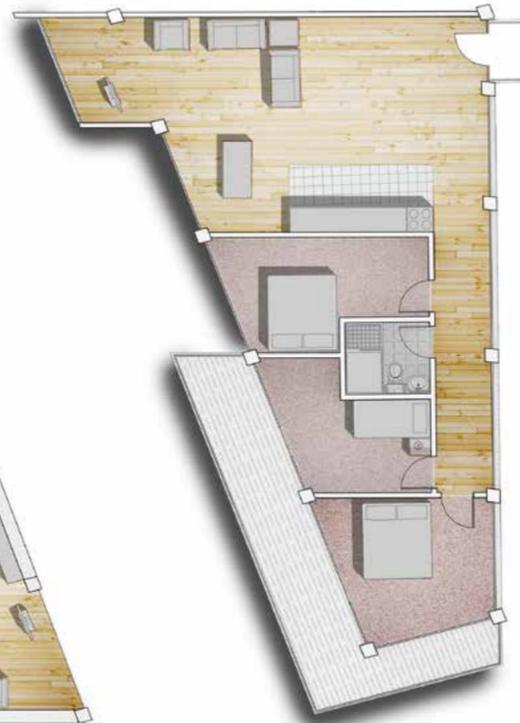
Typical One Bedroom Unit Floor Plan

- Master Bedroom
- Living Room
- Kitchen & Dining Room
- Bathroom
- Balcony



Typical Two Bedroom Unit Floor Plan

- Master Bedroom
- Double Bedroom
- Living Room
- Kitchen & Dining Room
- Bathroom



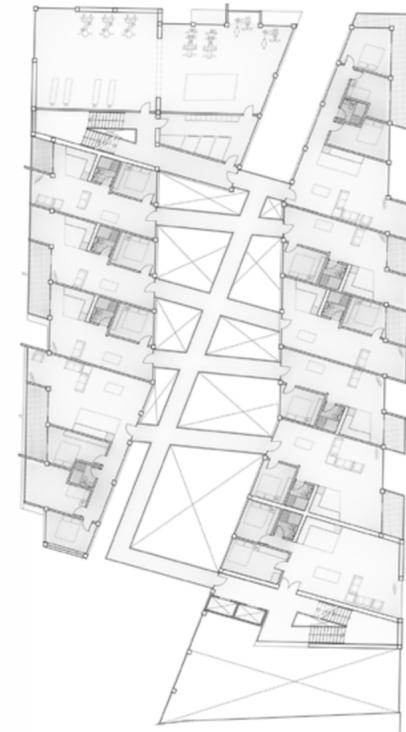
Typical Three Bedroom Unit Floor Plan

- Master Bedroom
- Double Bedroom
- Single Bedroom
- Living Room
- Kitchen & Dining Room
- Bathroom
- Balcony

The strategy used to inform the concept, developed into creating projections on the skin of the building that mould the outside amenity spaces and protruded living areas inside each flat.

Each vertical plane that intersects each horizontal plane, has been placed in such a way that each unit has privacy from their neighbours from their 6m² balcony.

Typical Floor Plan | Residential Sky Paths



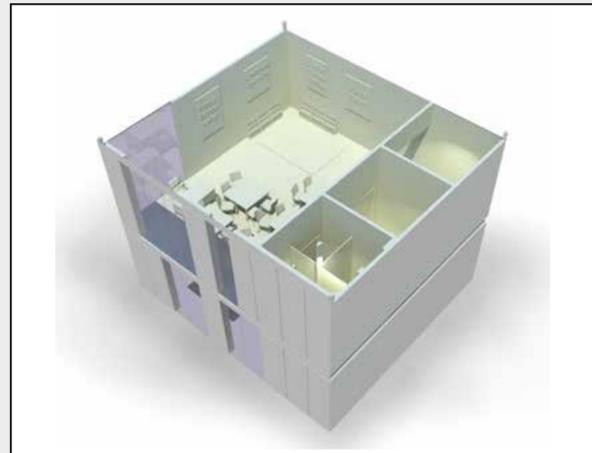
PRIMARY SCHOOL 08
Second Year, University of Liverpool
2013

This project developed with the use of a linear typologies and the concept of modularized space.

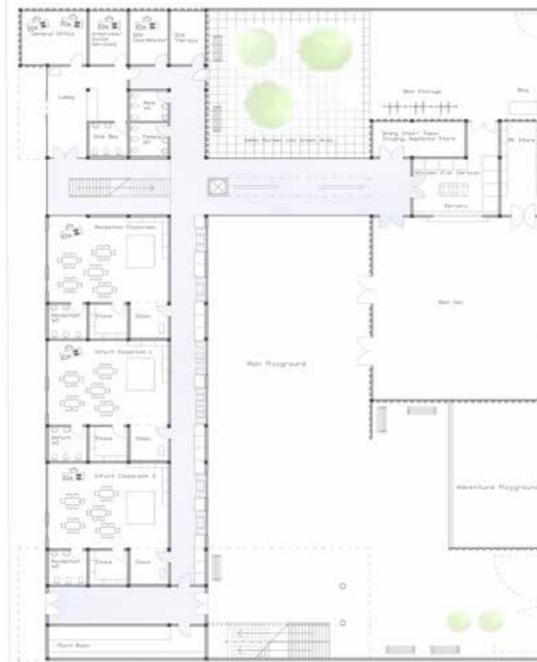
The layout of the primary school is set out on a grid of timber columns. The main driver for the design was to introduce academic inspiration through the circulation routes.

The gallery circulation was an important part of my design to connect teaching and play, a vital aspect to primary school design.

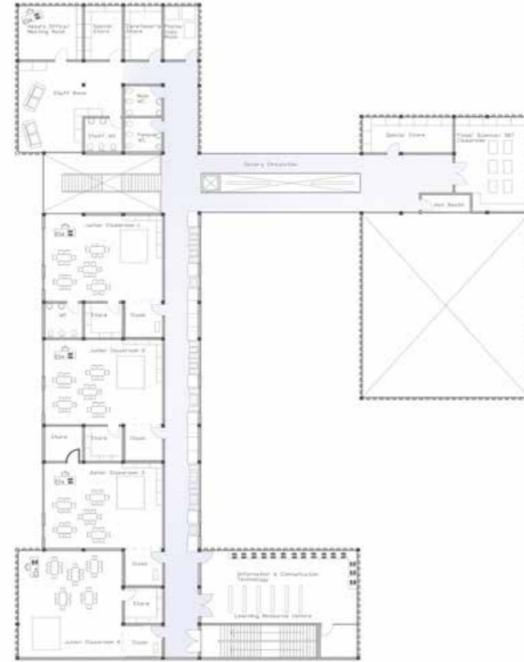
Classroom Module | Primary School



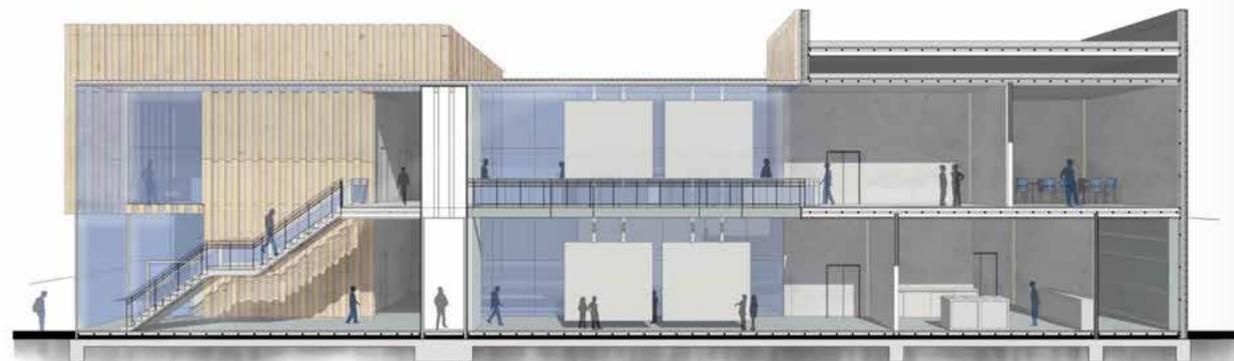
The classrooms are designed as modules that fit within the teaching block. Each classroom is fitted with a store cupboard, a toilet, sufficient classroom equipment and an entrance cloakroom.



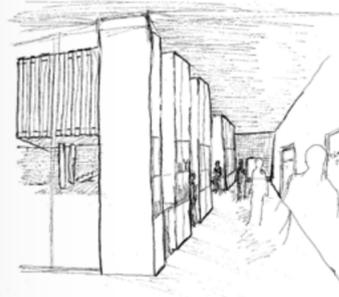
Ground Floor Plan



First Floor Plan



Gallery Section



- Timber frame
- Contextual height continuation
- Attic space
- Timber verticals in Prodema panels
- Larger Prodema panels
- Glazing fits in between panels and timber structure
- Glazed gallery space
- Timber verticals - clad panels

Structural Strategy

VARNA LIBRARY, BULGARIA 09
Competition Entry
2015

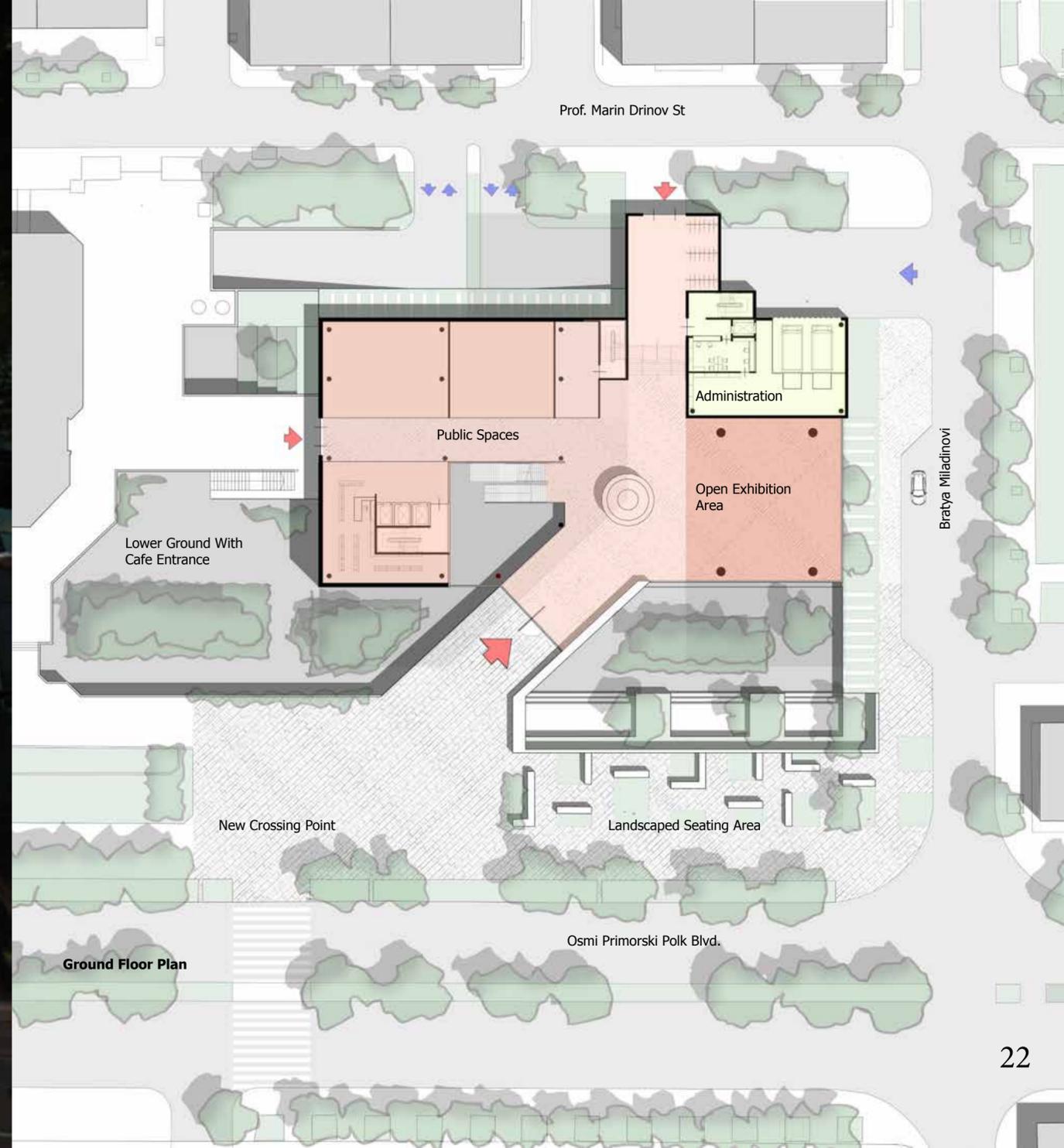
This design is based on the idea that the public realm in Varna is founded on a history. Books represent the history of knowledge and imagination, the fabric of the building represents the landscape in which these can be found. The intention is to create places in this landscape for imagination, inspiration, contemplation, & individual reflection. The interaction and routes between these places are developed for the creation of encounters and the 'connectedness' of the modern city.

In this age, internet knowledge can be accessed on the go. Place and encounter are celebrated with this design. These are physical and emotional encounters; they can be secluded for the hermit, or be collective experiences for the gregarious.

From childhood to old age, for those who don't read but would like to, and those scholars requiring quiet for detailed contemplation, this is a democratic building, offering accessibility and options to all.

Varna Library | Night Time View

Location
**OSMI PRIMORSKI POLK BLVD,
VARNA, BULGARIA**
Site Area
3700 SQ. M.



VARNA LIBRARY, BULGARIA cont. 09
Competition Entry
2015

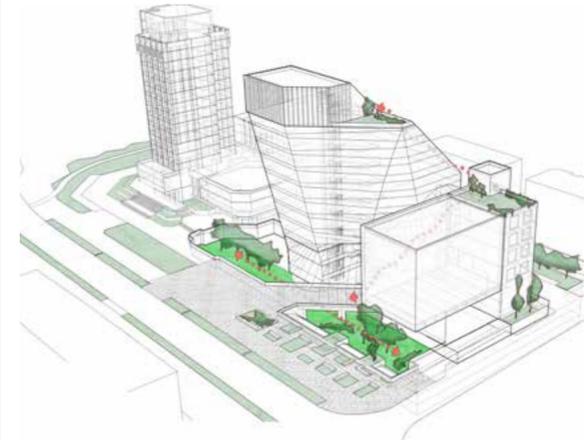
At night the library will stand out, representing the social sphere of the city and radiating light onto its neighbours.

The book store walls will be illuminated like a gigantic screen with the potential to act as a bill board for public events. It will be lit with variable coloured lighting enabling local and national events to be celebrated.

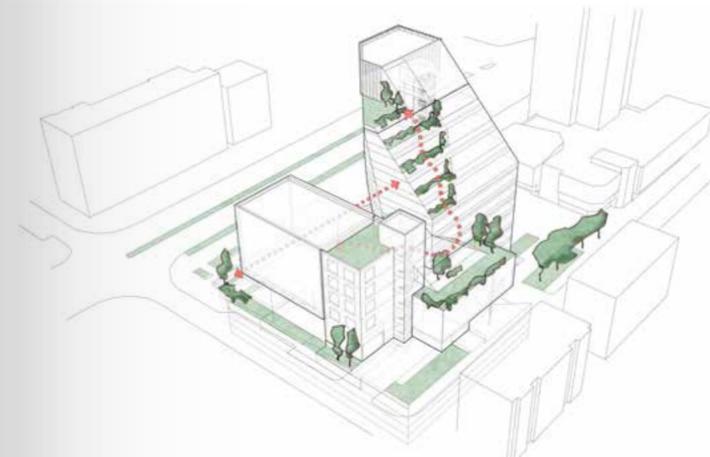
At ground level, the exhibition hall and concourse may be hired for evening parties and social occasions, flowing out into the street.

At first floor the auditorium spills out and can be combined with the winter garden, meeting spaces and collaborative work spaces to perform a multitude of functions. The whole provides a place for gathering, meeting, encounters and collaborative work. The traditional roles of the library are transformed enabling access to information systems for all and in particular access to the controlled receptacle for the historic papers and books that are **the bedrock of the city history.**

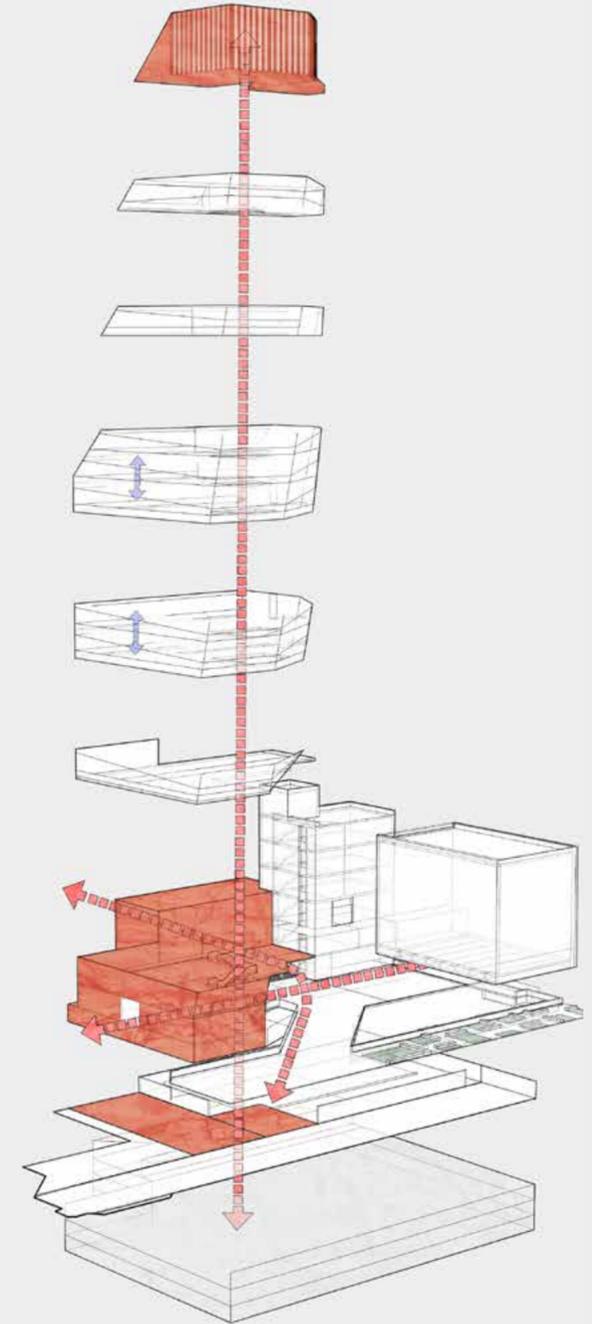
City of Varna Panoramic | Bulgaria



Landscape Strategy Diagrams



- L10 Rooftop Cafe/ Bar
- L10 German and American Corners
- L8 Media & Arts Centre
- L5-7 Adult Reading Rooms
- L3-4 Teenage Reading Rooms
- L2 Specialized Reading + Reading Entrance Level
- L0-1 Public Entrance Space
- L-1 Childrens Reading Rooms
- L-4--2 Parking Levels



PERSONAL INTERESTS 10
Amateur Photography

I have always been acutely attuned to the visual aspects of architecture and I believe my natural ability to visualize space is a significant strength.

I believe observing spaces first hand has helped me more than anything else to understand processes of design.

Photography has been an instrumental tool for me to help others to the understand a space the same ways I do and has also has always been a keen hobby of mine. Here are a few of my favourite photos.

Travel Photographs



PORTFOLIO
ARCHITECTURE + DESIGN

SEAN KIERON BAILEY