



SMITA PATEL PORTFOLIO

Smita Patel

2012

Digital Portfolio

Dip(Arch) Architecture

Smita Patel

Dip Arch Architecture (Part II)

Website

www.smitapatel.co.uk

Tel

+44 (0) 7525361555

E-mail

smitapatel@mac.com

Date of Birth

14/08/1987

Address

186 Scar Lane, Huddersfield, HD3 4PY

Current Qualifications

BA (Hons) International
Architecture (Part I)

Dip Arch Architecture
(Part II)



Career Summary

I have recently graduated from the University of Huddersfield with a Diploma in Architecture after a successful placement year at Aedas Architects based in Leeds an internationally recognised company, after completing my placement I continued to work for Aedas part time whilst doing my diploma. I want to pursue a career in architecture and can demonstrate my skills during my experiences and learn new experiences, which I value the most

Key Skills

My education and placement has allowed me to use a wide variety of software proficiently and I have used this to successfully complete a wide variety of projects and professional documentation.

- Revit 2008 or newer
- Autodesk AutoCAD
- ArchiCad
- Microstation
- Ability to work with CAD software such as Google Sketch Up, Maxwell Render and 3D Studio Max, Vray, Atantis
- Able to use Photoshop, Illustrator, In Design and other graphics packages proficiently.
- Adobe Dreamweaver
- Capable of creating free hand drawings and sketch design.
- Make physical models by hand and using the laser cutting machines.
- Avid team worker and team building skills
- Punctual
- Excellent time management skills
- Presentation Skills

Additional Achievements

(Autodesk) Revit Architecture Essential Certificate of Completion
RIBA White Rose Yorkshire Student Award 2008 Bronze

British Red Cross basic first Aid (module III)
Compact certificate for work experience & work skills
ASET level 1 certificate in Personal safety Awareness
Cisco Networking in Hardware and Software (completion of course)
RSA Typing Certificate (pass)
Full clean driving licence
Award of achievement of excellences in team working skill in China.

Work Experience

Current job - Working with the EPE Group, as a Senior Digital Graphics/Media Designer. Which entails producing high end graphics, brochures and websites for various companies.

Aedas, Leeds (2008-2009 Placement & 2009-2010 Contract) Architecture Assistant (Part I)
In my placement year I worked at Aedas Architects based in Leeds, my responsibilities allowed me to work on many projects and experience many stages from feasibility to designs right through to construction, as well as working for different sectors such as retail, schools and master planning. I also created brochures, documents and presentation to win bids, competitions and present to our clients.

My experience gained in my placement year has allowed me to grow and understand the industry, as well as contribute to design ideas, which materialised into real projects.

NHS Medical Records Clerk (Summer 2007)
As a medical records clerk, allowed me to work in a fast paced environment.

Robinson's Architects (2002)
I worked for Robinson's Architects for two weeks as part of my college work placement. My responsibilities were to help plan and design a primary school. I had experience working with packages such as Microstation. I also communicated with other departments within Robinson's Architects and I worked in a team as well as observing group meetings.

References

Sally Anne Bell
(Head of Design & Marketing)
EPE Group,
Queens Square,
Leeds Road,
Huddersfield,
HD2 1XN

David Longfield (Director)
Aedas Architects
7 Brewery Place
Brewery Wharf
Leeds
LS10 1NE
+44 (0)113 385 8787

John Bush (Tutor)
University of Huddersfield
Department of Architecture and
3D
Huddersfield,
West Yorkshire
HD1 3DH
+44 (0)1484 472281

2012 Digital Portfolio

Content

Design Thesis Part Two	- Galloway Forest Observatory, Scotland
Design Thesis Part one	- Mirfield, Modular Railway Station
	- Malaysia, Eco-Venture
	- Athens, Master-planning and Media Centre
Other Works	- Eco Housing
Riba White Rose	- Dance and Art Centre (Bronze winner,2008)

Samples of my works from my placement year, working at Aedas are available on request, should you require them.

Galloway Observatory ►

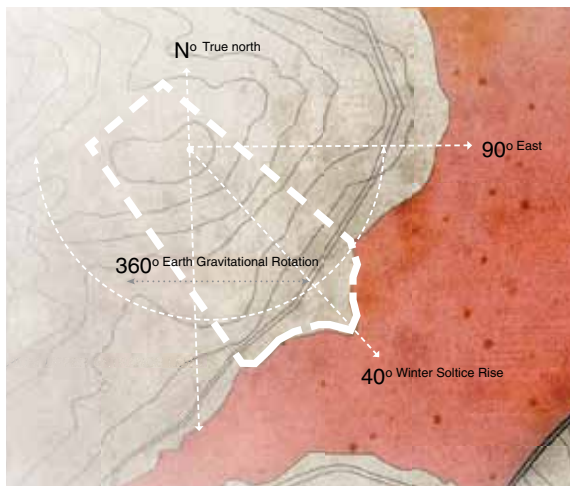
Design Thesis Diploma Two

Brief

The initial brief of this project was to create an observatory and research facilities for the recently established dark skies in Galloway forest, which has one of the darkest skies in Britain.

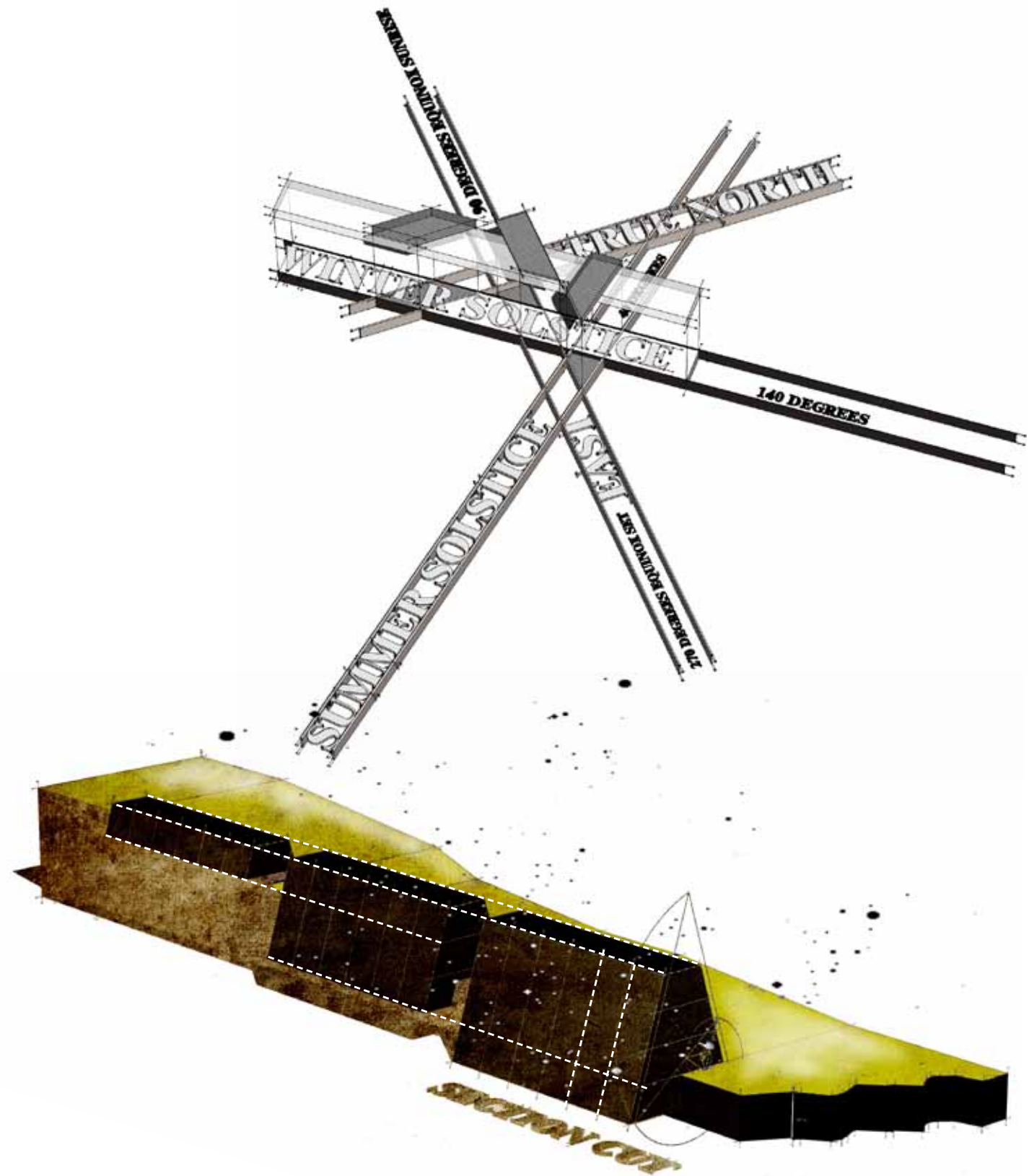
Concept

The concept was to use the mathematical golden section. As precision and order are a key elements in astronomy. This shape also accommodated the large scale of the planetarium in relation to the small scale function of the observatory. The building was strategically cut into the hill side to accommodate to two different scales of the functions. The positioning of the building derived from the angle of the solstices and the equinoxes, in relation to the genius loci and key boundaries.



Key Skill

Ability to explain and create a clear concept through drawings in a sketchy level.

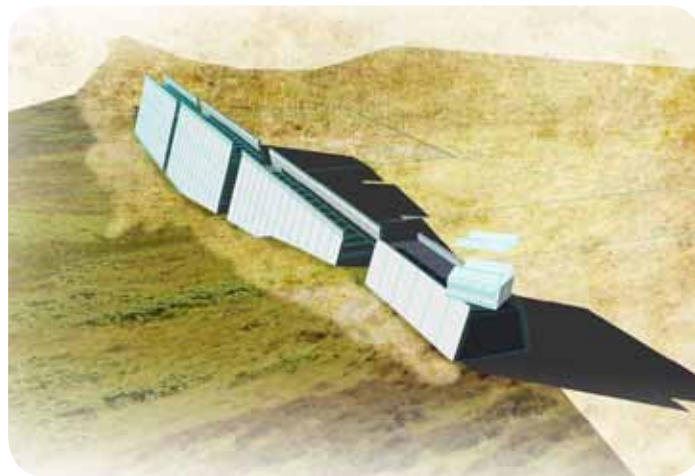
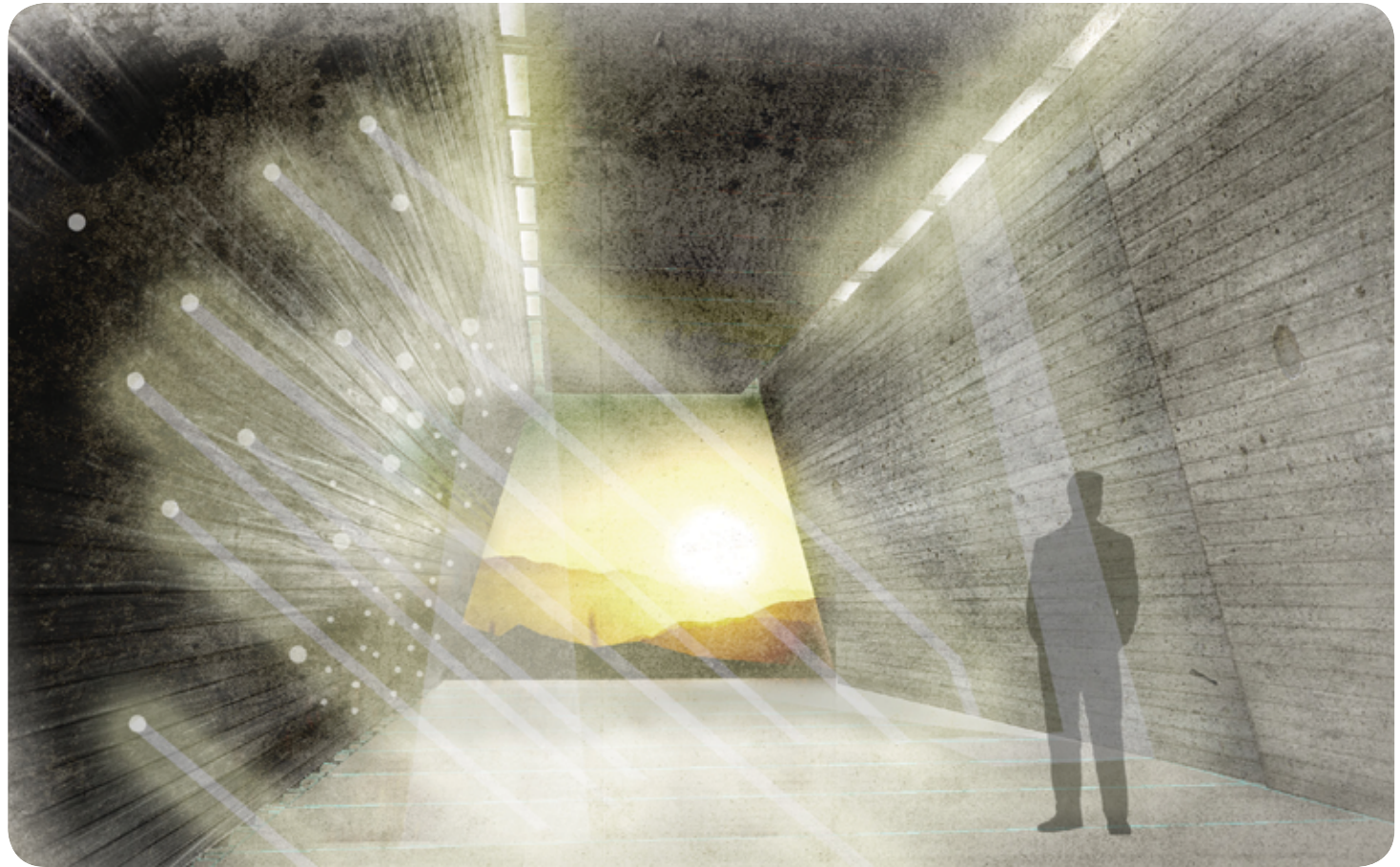


Galloway Observatory ►

Design Thesis Diploma Two

Atmospheric design

These image were created in the earlier stages of design, showing the mood and the atmosphere of this monolithic structure. The design shows how the building aligns with the winter solstice and shows how the light floods in the building at certain times of the year. The design is unique to the celestial calendar.

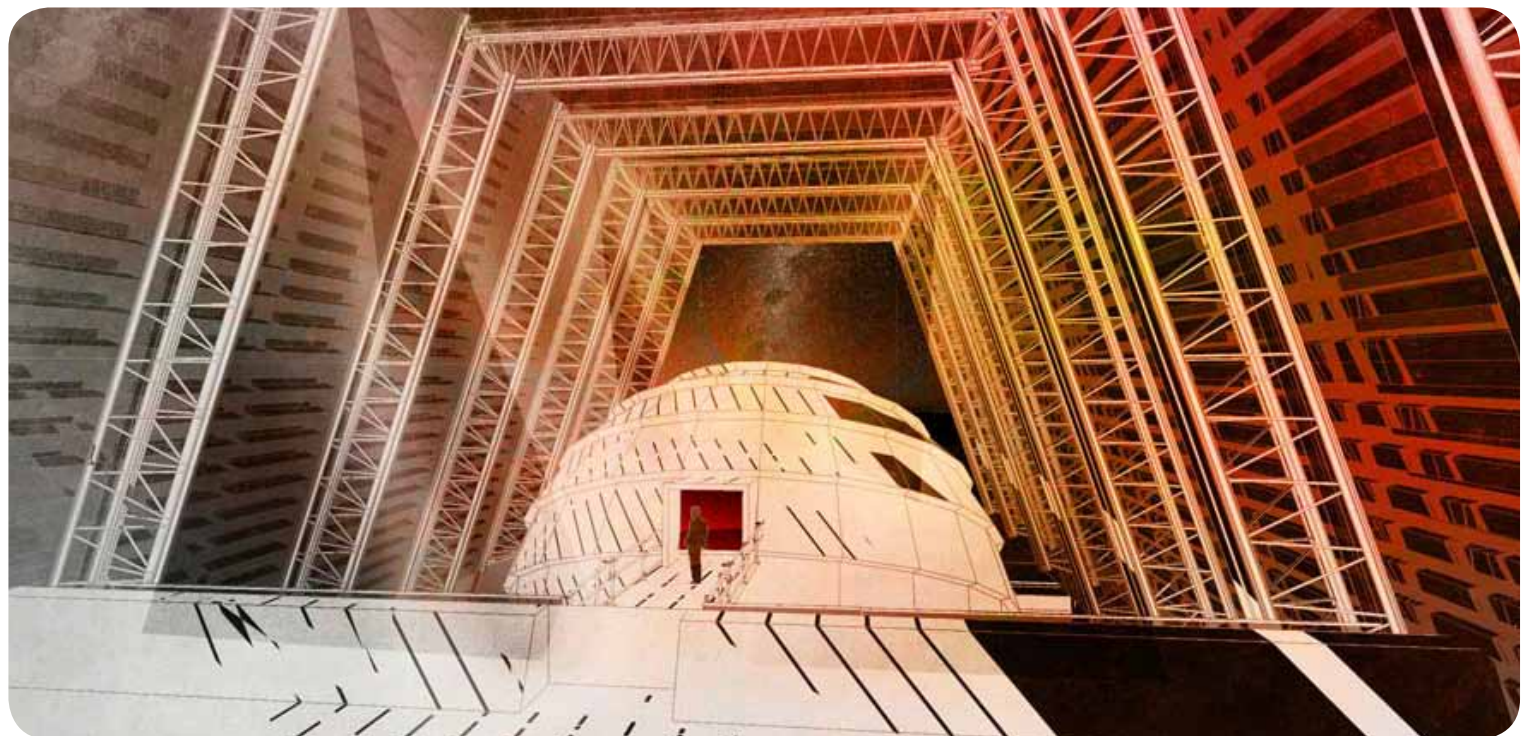


Key Skills

Creating mood and breathing life in the sketches of the early stages of the design still in the concepts stages.

Galloway Observatory ►

Design Thesis Diploma Two



Galloway Observatory ►

Design Thesis Diploma Two

Physical Modelling

A series of models were carefully crafted to explain the design through each stage of the design. This image shows the use of different mediums and materials used to make this model at such a detailed level.



Key Skill

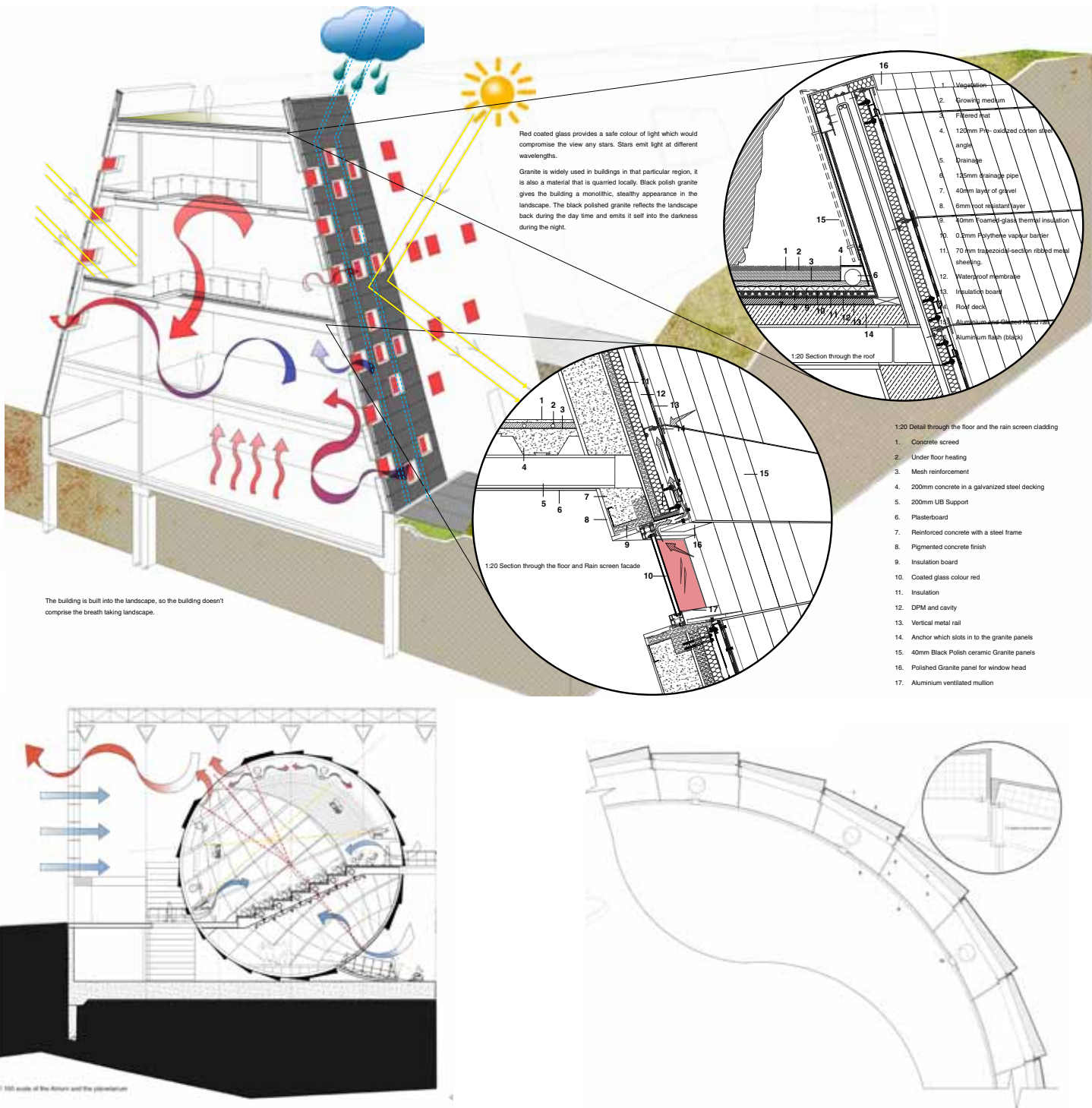
Possess the ability to create physical models using a range of the medium of a professional level. Using machinery, such as laser cutters, 3D solidworks for 3D printing and hand machinery tools.

Galloway Observatory

Design Thesis Diploma Two

Creating a Sustainable design

Various images shows more examples of how the building is structurally designed and how the design works environmentally.



Key Skills

Demonstrates attention to detail and the ability to work out environmental issues.

Can create detailed drawings at various different scales, at different levels of complexity. Have the ability to use packages such as AutoCad, Archicad and Revit.

Galloway Observatory ►

Design Thesis Diploma Two

3-Dimensional Visuals

The rain-screen granite panels of the exterior of the facade is designed, to reflect the landscape during the day and omit the building from the landscape during the night.



Key Skills

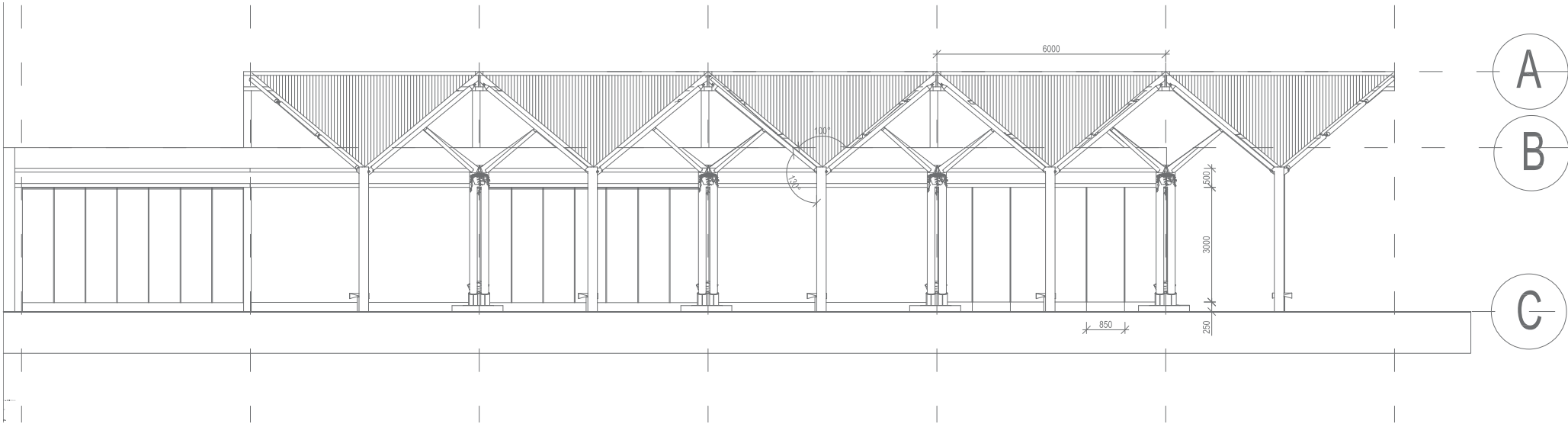
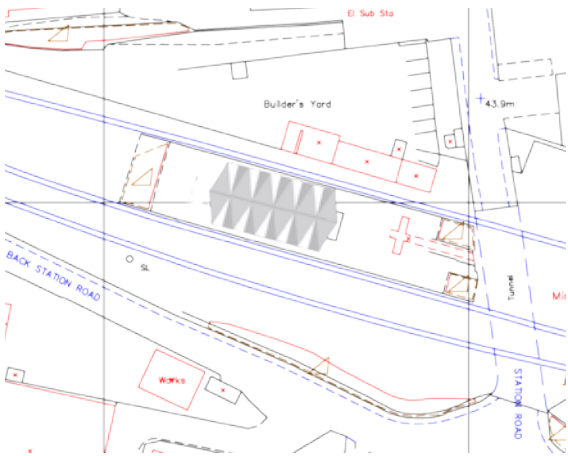
Shows the ability to use a numbers of packages to render realistic images and portray materials that were used.

Mirfield Railway Station ▶

Design Thesis Diploma Part One

Modular Railway station

The aim of this project was to create a modular train station for National Rail, to create a standard design that fits all of there stations and to create image identity. This design had to be tectonically refined in great detail.

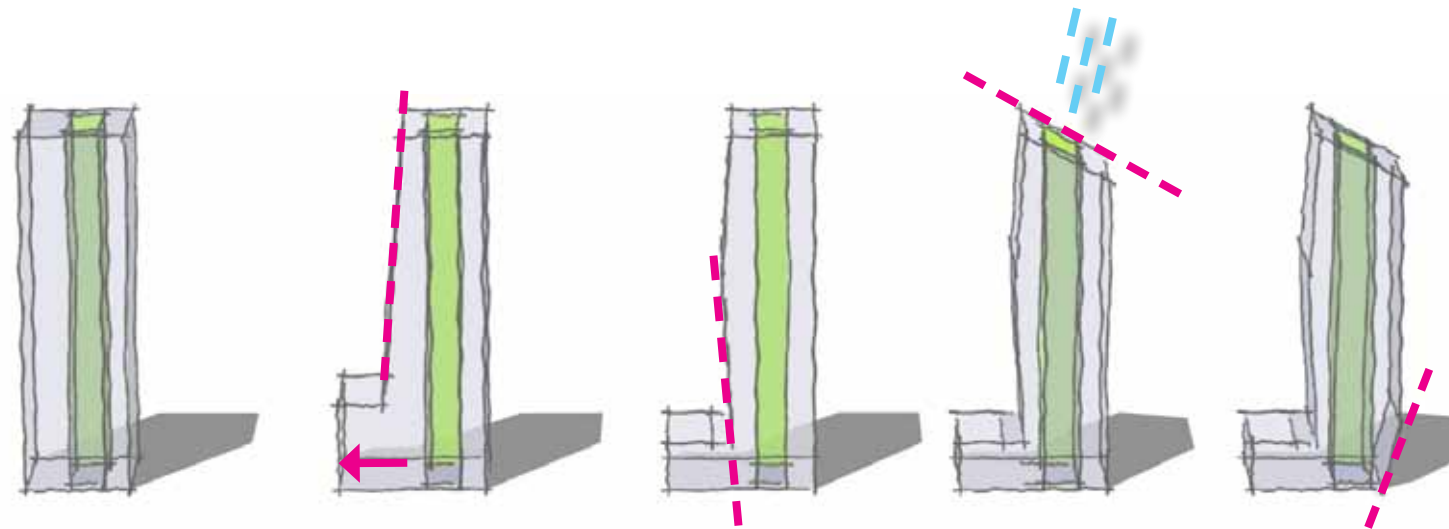
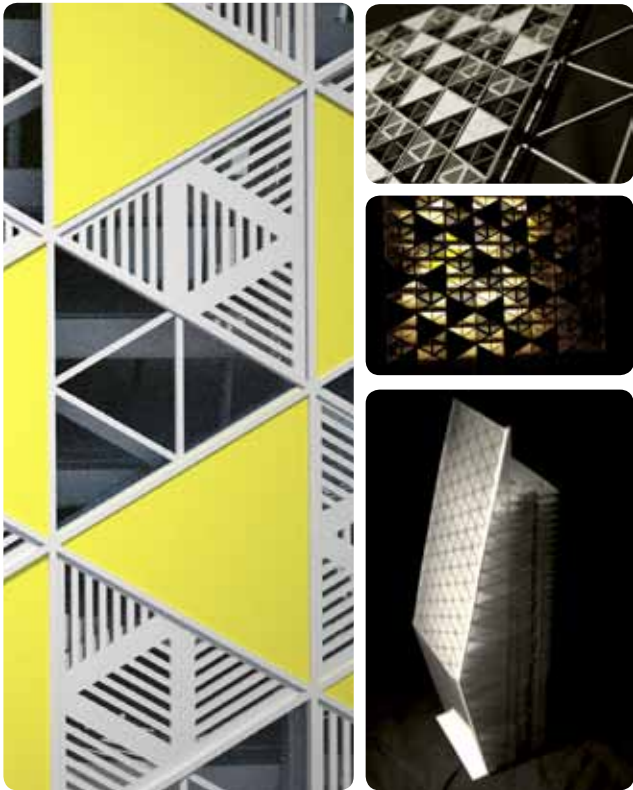
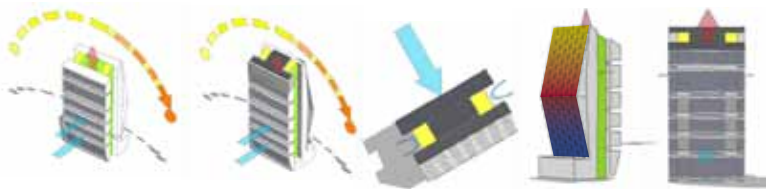


Eco Venture- Malaysia ▶

Design Thesis Diploma Part One

Skyscraper

The aim of this project was to create an Eco friendly high rise tower, in Malaysia. Creating new facade systems and shape that would allow the building to adapt to its environment.

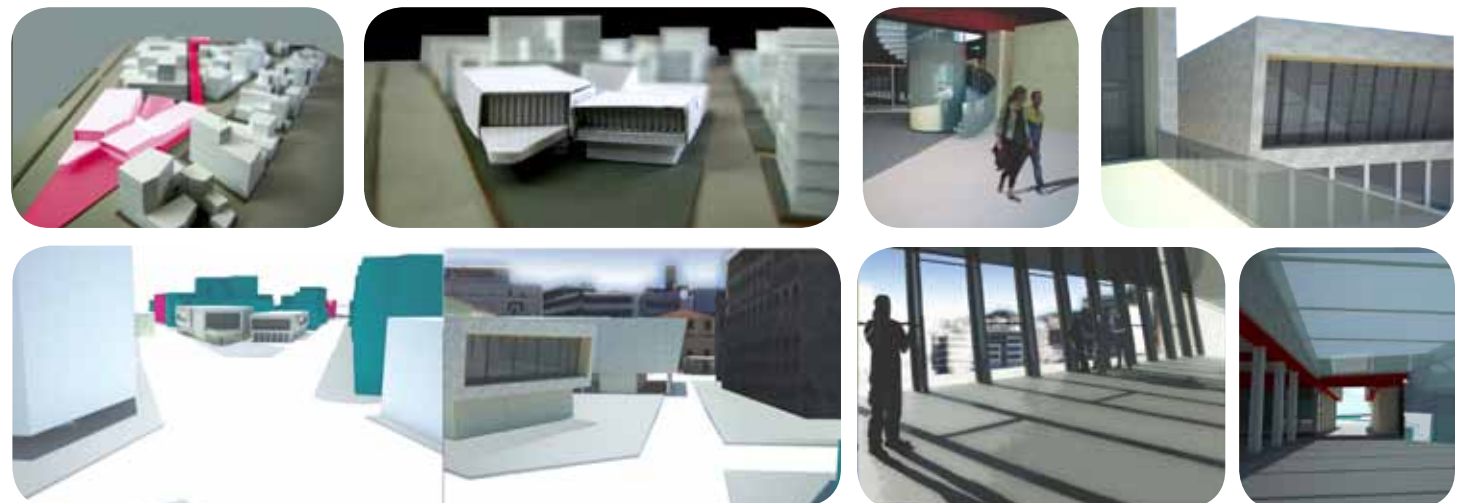
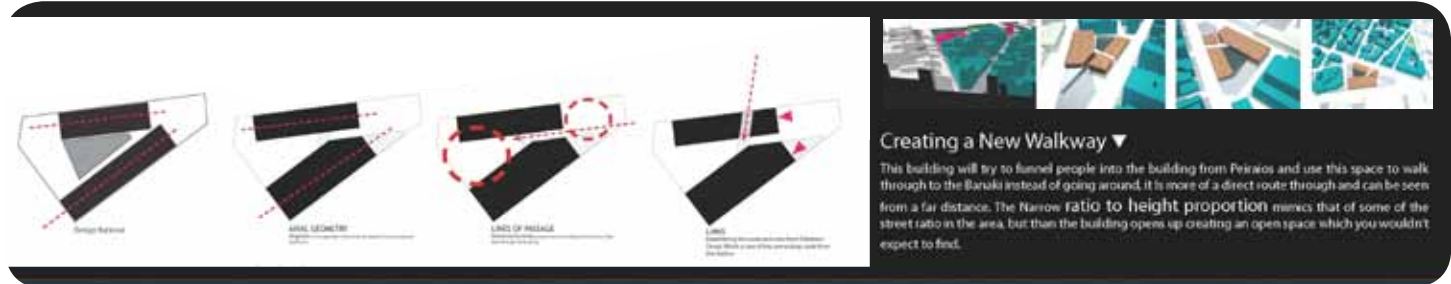


Media Centre: Master-planning ►

Design Thesis Diploma Part one, Athens

Master-planning, Athens, Greece

An extensive master-plan was carried out on parts of Athens. Establishing what the area needed and where its desired location should be, creating our own briefs and a schedule of accommodation. The design was in an ideal location, framing its landmarks and vistas through different views and openings.

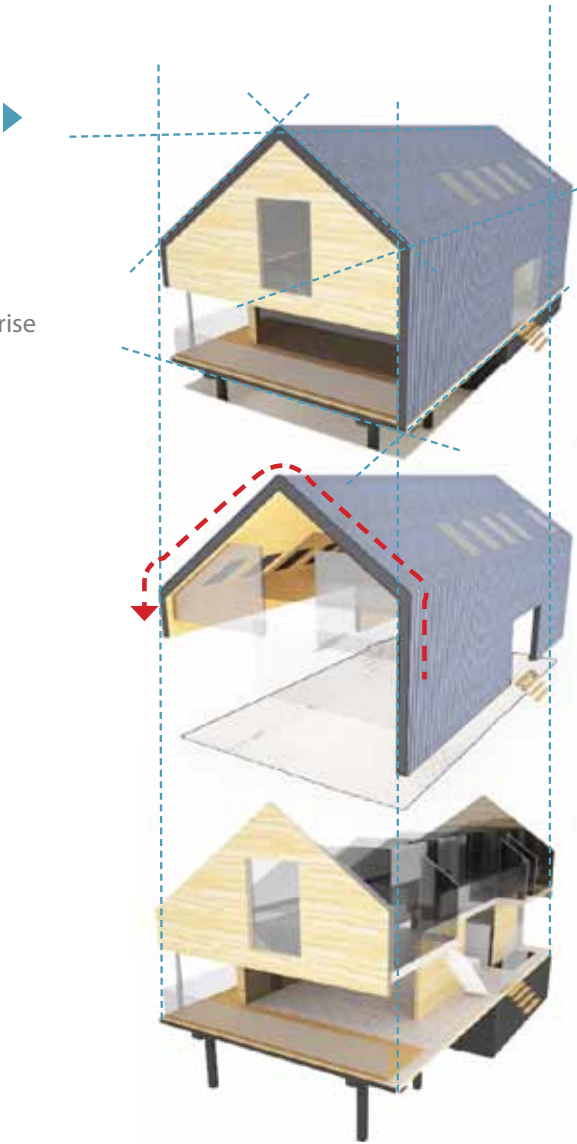


Eco - Housing

Environmental Design

Creating eco housing

The facades and the roof of this dwelling comprise one entity. The skin, consisting of anthracite-coloured corrugated sheets, is worked open in strategic places in order to let the environment in. Maximising this effect, the entire dwelling is positioned one metre above ground level. A spacious lower ground floor is the result.



3D structural breakdown of the design



3D Impression



Southern Elevation



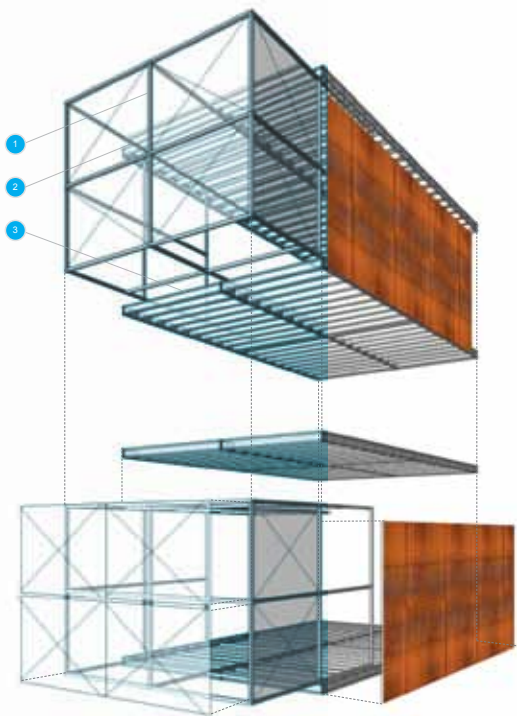
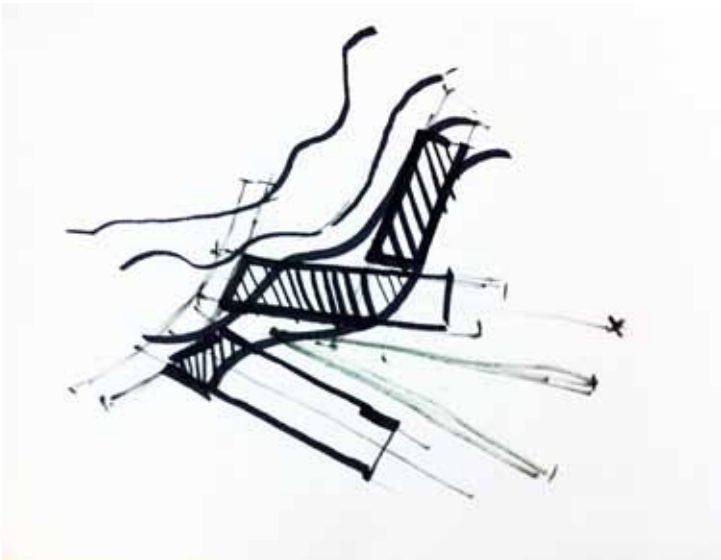
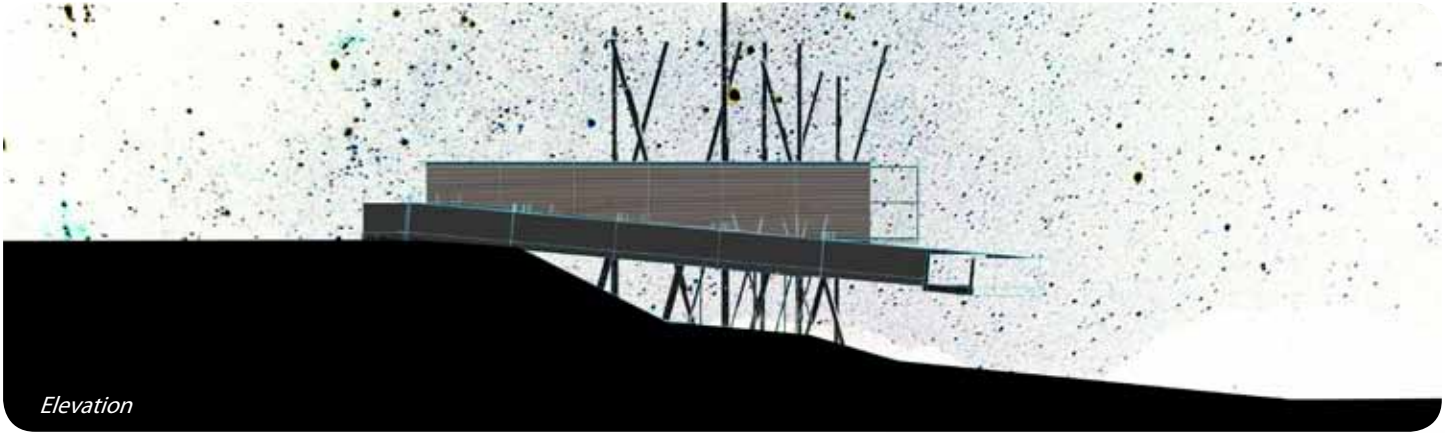
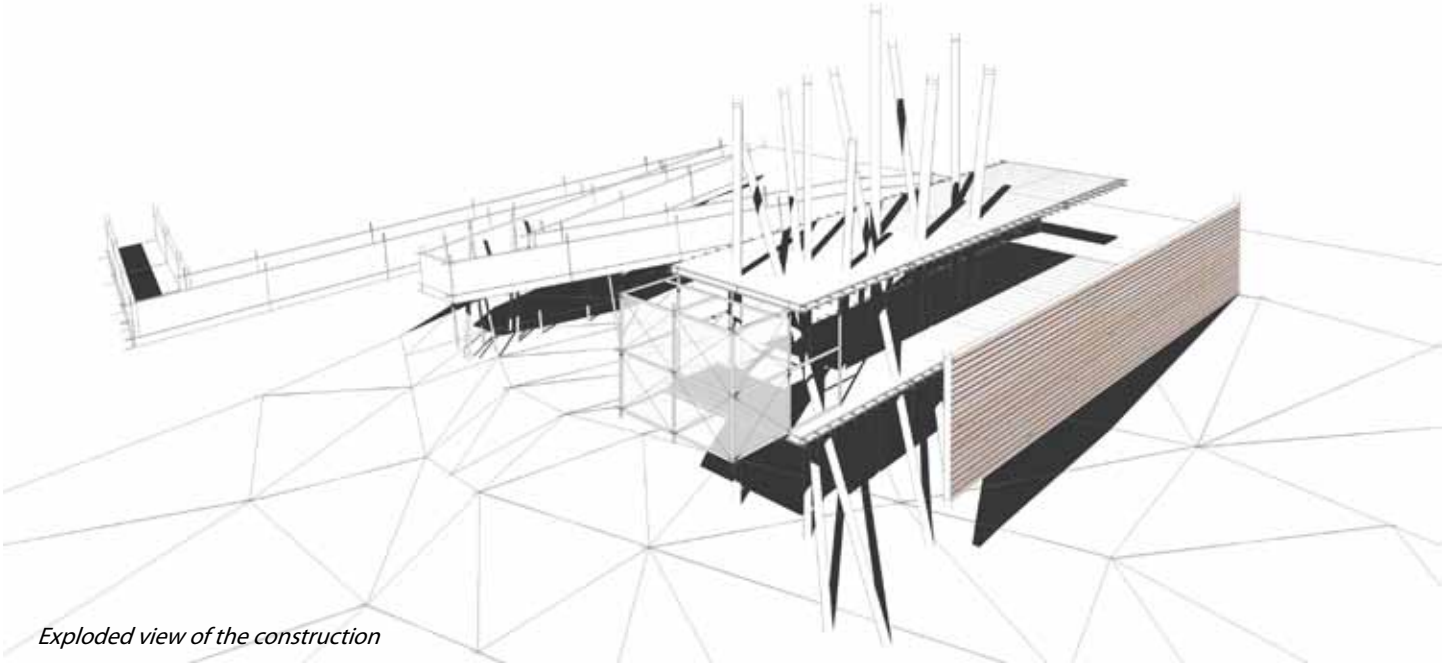
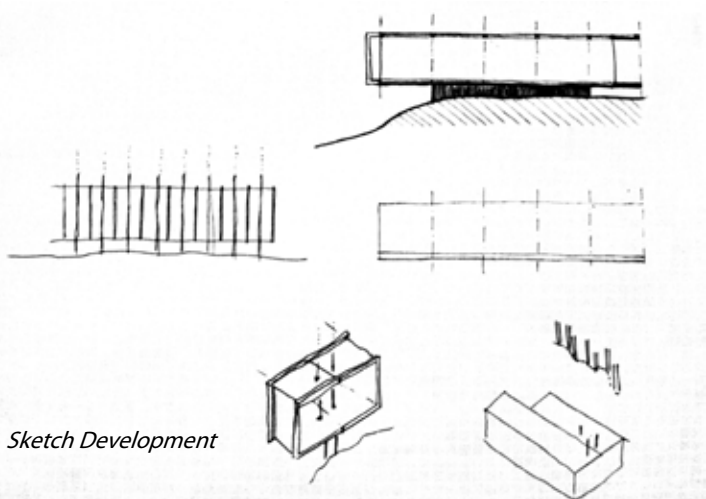
Eastern Elevation

Tectonics Project

River Side Cafe

River Side Reed Cafe

Tectonics project which demonstrates how the structure was constructed, using series complex axonometrics.



Exterior View

Structural Sketch model

Construction axonometrics

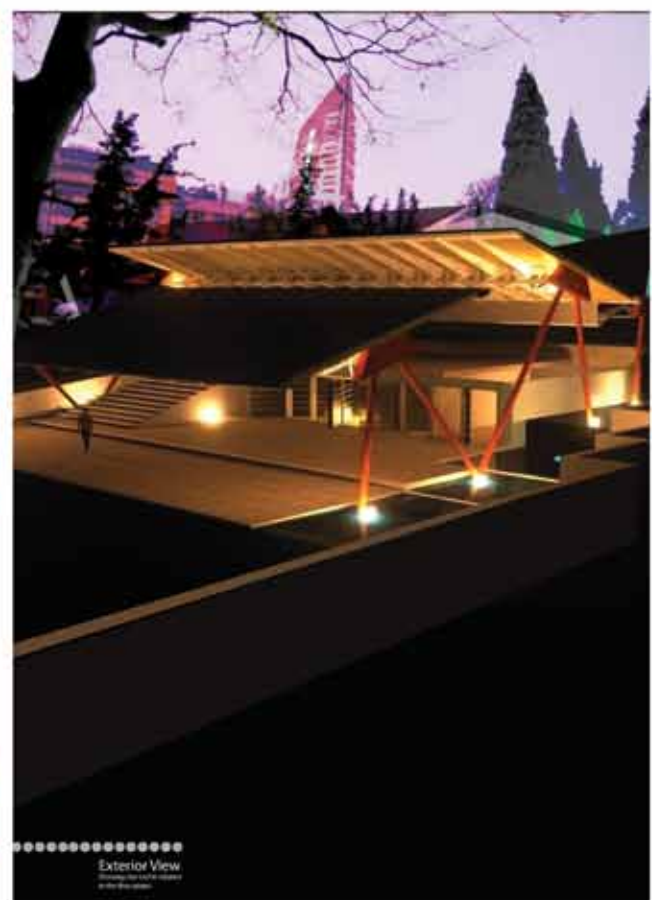
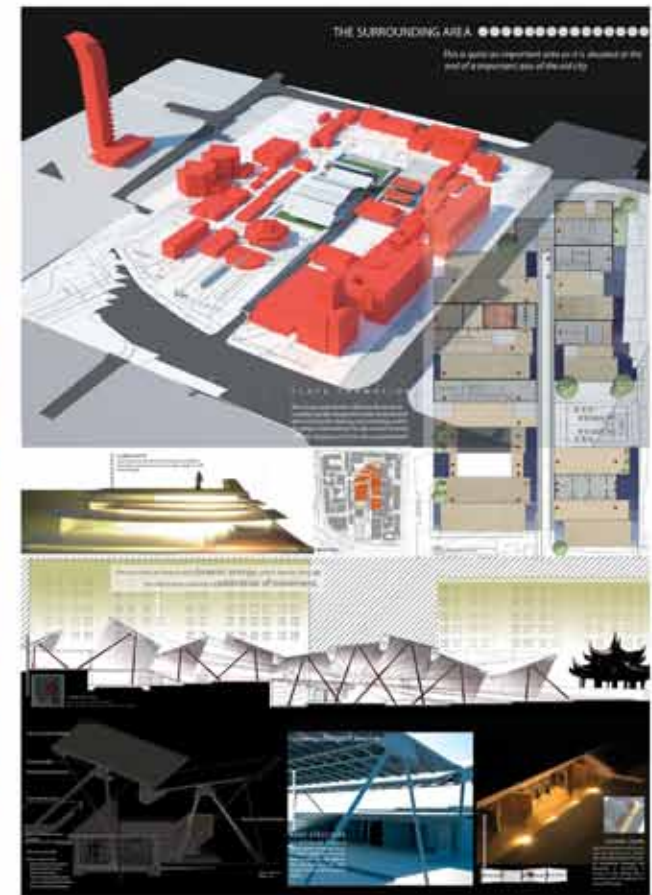
RIBA Yorkshire White Rose Awards 2008

Awarded Bronze, White Rose

Dance & Arts Centre, China, 2008

BA (Hons) International Architecture

This submission was awarded bronze in the Riba
White Rose.





Thank you for taking the time to view my works. Works of my placement year is available as you require them. If you would like to view more of my portfolio, please visit my website at : www.smitapatel.co.uk or feel free to contact me on 07525361555 or by email : smitapatel@mac.com

Kind Regards

Smita Patel
Dip. Arch Architecture (Part II)

