An Introduction to construction technology for First Year Architecture Students

One to One

Aims: Through development of a ‘critically engaged’ building project, students were aware of the constructional considerations of the design, and the need to balance the aesthetics of the design with practical considerations and sustainability.

Methodology: No one in the building industry works alone, and a key method employed by the First Year Technologists was the exploration of design processes leading to the construction of non-reinforced masonry structures, which might have global applications. The students were tasked to produce prototypes of a structural family involved in the construction of non-reinforced masonry structures, which might have global applications.

Formworks were tested over the last weeks of the second term. These locally fabricated formworks should in turn, guide future building. To produce high performance back building materials were donated by Hanson Building Products. The formwork was designed by using aesthetic and simple materials such as plywood panels.

Evaluation: Students were tasked to construct their designs. The One to One Technologies Studio focussed on understanding of the role of First Year Architects and Constructors play in the preservation of the heritage of the panel at the very centre of our clients as individuals and as representatives of the wider community.

Outcomes: The One to One Technologies Studio focussed on understanding of the Environmental underpinnings of Construction Technology. They have taught the importance of developing the knowledge of Critical Design Method in a Professional Group Context.

Impact: Local, University and the City of Brighton. The use of Circus Street Market as a construction site, was possible because the University had negotiated with Site Developers about constructing a reinforced Marble Pavilion in Alantejo, Portugal. This site was used during this period for local small business, such as bicycle repair stops, salvage stores, coffee outlets, and local community Groups and Arts Organisations. Giving an evidence-based activity of the Brighton Students.

Project: Participating Organizations: University of Brighton SoAD – First Year Technologies Studio. Hanson Building Products, Communities, Developers of the Circus Street Market site, Brighton. Cultural Geometries

Participating Disciplines: Architecture

Project Leaders: Michael Heenan – First Year Technology


Student Names: 2014-15 Cohort First Year Architecture BA

Location: University of Brighton SoAD – Circus Street Market Space, Brighton

Date: 2014-15 academic year

Participating Organisations: University of Brighton SoAD – First Year Technologies Studio, Hanson

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Description: Brighton is a unique sort of place. It is the only borough to have a Green Park as their MP. Many of our students are aware of this when they apply to join our First Year of Study. In some cases this has influenced their choice of University. It seems that the city as a whole should be seen as the very much part of the ‘Brighton Way’ of Co-operative Endeavour and Inclusive Practice. The Three Year Technology Module series will allow students to form and develop their technological knowledge. The One to One Project takes place in the second Term of the Aims and Methods Module and is part of the First Year Technologies studio in the form of Technology lectures, which run throughout the First Year of Study. An understanding of the role of First Year Architects and Constructors play in the preservation of the heritage of the panel at the very centre of our clients as individuals and as representatives of the wider community.

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