

# Southbank University

## Project Introduction

The site is located on Keyworth Street at the centre of London South Bank University's Southwark Campus. The new development will replace the former Student Union building and former George Pub, adjacent to the Keyworth Centre.

The design reflects the University's aspiration for the building to be open and accessible. Keyworth Street currently divides the campus in two, but the new building will unite the two halves of the campus whilst knitting together the adjoining buildings.

The University gained planning consent for Keyworth II in late 2006. Demolition was completed by June 2007, with preparatory works commencing in July 2007. The main contract for the new building was awarded in August 2007 with completion expected in spring 2009.

**The new building will unite the two halves of the campus whilst knitting together the adjoining buildings**

## Scope of Works

### Demolition complete – by others

- Existing sheet piled wall cut down to 1.700 – by others
- 1.2m holes cut in existing basement slab – by others
- Backfill of lecture theatre area to 1.950 – by others
- Pile probing, mat and attendance – by others
- 45 foot berms left against boundaries as shown on demolition drawing – by others
- Drainage diversion carried out – by others

### Sequence

- Start lecture theatre area
- Then the main general area
- Starting at GL 1

Then the east block area

- Ground beams
- Retaining walls
- Ground floor slabs
- Steel frame start date shown – by others

### 1st floor

- Split into lecture theatre and general areas due to details of lecture theatre area
- Pre cast items require decking right through to provide support, until toppings and beams cast in situ

### 2nd floor

- Thick transfer slab is Post Tensioned
- Edge beams are Post Tensioned

### 3rd & 4th floor

As 2nd floor

### 5th floor

- Slab steps in from 4th floor from GL 10 to GL 8
- Five storey high decking required over the atrium
- This to be kept in place until 6th floor above poured to provide back propping

### 6th & 7th floor

- Edge beams are post tensioned
- Same footprint as 5th floor

### 8th floor

- Same footprint as 7th floor
- Bridge bearing details – one fixed one sliding
- Lattice beam – by others

Above 8th floor is overruns and upstands

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