



**O & P CONSTRUCTION SERVICES LTD**

CHARTERED BUILDING COMPANY

# CONTRACT DETAILS

## ALTERATIONS AND REFURBISHMENT OF BIOMEDICAL ENGINEERING ON U AND I FLOORS, ROYAL HALLAMSHIRE HOSPITAL

Client: Sheffield Teaching Hospitals NHS Trust

Completion date: June 2009

Consultant Architect: Self Architects

Value: £610,000.00



### PROJECT DESCRIPTION

The main body of work comprised of:

Refurbishment of Equipment workshops, office, washrooms etc provide accommodation for the Biomedical engineering Department.

Work was situated on 2 floors I floor (9<sup>th</sup> floor) and UA floor (2 storeys underground)

Accommodation provided included specialist Radiation protection room and sound proof Audiometry room.



### CHALLENGES

Deliveries were programmed around normal hospital activities so that lifts could be utilised by agreement to transport materials. All materials and components were ordered in their smallest increments to enable transportation to the working area to be assembled on site. The works required a new corridor to be formed through a 1100mm thick concrete wall situated on UA floor 2 storeys under the multi storey tower. This presented the problems of cutting the concrete opening and removing approximately 12 tons of concrete whilst minimising noise and vibration due to operating theatres in use on floor above. After considerable research and planning the opening was formed by diamond core drilling to form a slit through the wall then employing a diamond wire saw to cut the Concrete into blocks of approx half a ton each. These blocks were then extracted by winch and transported on pallet trucks to ground level for collection by grab lorry for crushing and recycling.

Common Lane  
Wath Upon Dearne  
Rotherham S63 7DX



T: 01709 761600  
F: 01709761601



E: [mail@opconstruction.co.uk](mailto:mail@opconstruction.co.uk)