

Royal Bolton Hospital – Maternity Unit Phase II

2008

£1.4M Development

The Bolton NHS Foundation Trust employed S I Sealy to carry out the development of an outline design for a new LDRP Unit (Labour, Delivery, Recovery & Post-natal Unit) utilising modular build construction techniques to assist in the urgency of the development. As a result our design had to be robust enough to accommodate a number of different suppliers.

The accommodation consisted of Birthing Pools and traditional Delivery Suites with associated clinical and administration facilities. This offered an improved delivery service from the Hospital and supplemented the present maternity department.

The Delivery Suites had Heat Pump Air conditioning with special provision within the Ventilation Services for Entonox Extract. Ancillary areas were heated by Radiant Panels with Natural or Mechanical Ventilation as appropriate. The Primary Mechanical Services and Medical Gas Services were taken as an extension to the existing services.

The suites were complete with sympathetic low energy lighting along with functional examination lighting. State of the art Nurse Call and Baby Monitoring/Tagging Security systems were installed as the health and security of the babies was a high priority.

Essential and Non-Essential power was derived from the existing Hospital LV Network.

The Design was completed to Tender Status.



Low Carbon Consultants

- CIBSE Accredited Low Carbon Consultants
- Part L Compliance, SBEM, EPC, DEC, SAP Certification
- Cat 5 Modelling

BREEAM Consultants

- BREEAM 2009 All Categories

Mechanical Engineering

- Boiler and Power Plants
- Renewable Energy Technologies
- Air Conditioning, refrigeration and cold stores
- Heating and Ventilation
- Hot and Cold Water installations
- Process systems for gases and liquids
- Lifts and Escalators
- Laundry and Kitchen installations
- Medical Gases

Electrical Engineering

- Power generation and distribution
- Interior Lighting Design
- Exterior lighting and floodlighting
- Emergency Lighting
- General power and process systems
- TV, CCTV, Fire alarms, security, public address
- Lightning protection
- Information Technology and Data Systems

Project Management

- Formal Contract Administration
- Feasibility to commissioning
- Full cost control and monitoring

Engineering Asset Management

- Property Appraisals and Condition Surveys
- Property Management and Strategic Planning
- Testing Programmes



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