



St Thomas' Hospital

3rd and 5th floor Air Handling Unit Acoustic Lining Replacement

PROJECT DETAILS

Client

Guy's and St Thomas' Hospital NHS
Trust

Consulting Engineer

Eta Projects Ltd

Quantity Surveyor

Eta Projects Ltd

Project Manager

Eta Projects Ltd

CDMC

Roger Barnard Partnership

Value

£900,000.00

Timescale

12 months

DESCRIPTION

The existing 8 No air-handling units (4 No 3rd Floor North Wing and 4 No 5th Floor Lambeth Wing) are of the builders work type, built in situ and are approximately 30 years old. The enclosures have been lined with an acoustic material, which is now deteriorating and must be replaced. The project related to the removal of the existing acoustic lining and replacing with new to current standards.

OBJECTIVES

The existing air handling units are located within the 3rd Floor North Wing Plantroom and 5th Floor Lambeth Wing Plantroom and were circa 30 years old and in need of acoustic lining replacement. The project was too be carried out, whilst the building is fully occupied, with the replacement of the acoustic internal lining supplied to new current standards. The new installation was designed to ensure there were limited loss of ventilation to the building and no increase in building acoustic performance.

DESIGN/PROGRAMME

It was agreed with the client that the works would have to be carried out to a phased programme. The inherent design of the building ventilation systems, where all four units within a building are linked at each floor level ensures that when a unit is taken out of action, the areas although down on duty are still supplied with conditioned air. The complete phased works were carried out and completed within a 12 month programme.

SPECIFIC DESIGN REQUIREMENTS

The complete project was Project Managed by *Eta Projects Ltd* on behalf of the client. Weekly meetings were, where required, held to plan the work phases, monitor progress and ensure that the client and their liaison engineers were fully aware of the works completed and planned future works. Risk management, bespoke planning and programming ensured no incidents.