



Nuffield Health at St Bartholomew's London

Completion April 2022

Project Type Healthcare

Client Nuffield Health

Main Contractor Kier Group plc

Value £36m

Area 7,900sqm

The redevelopment of part of St Bartholomew's hospital estate to provide private healthcare facilities for Nuffield Health including outpatients, theatres, diagnostics and inpatient wards.

The project involved the alteration and refurbishment of two historic buildings within the hospital site: the Old Pathology Building (OPB) and the former Residential Staff Quarters (RSQ) Building. The OPB is grade I listed and a scheduled ancient monument.

Retrofit Strategy

The brief involved bringing the buildings back into use to serve the community and provide improved healthcare services, whilst maintaining the historic character of the site.

Leasing of the OPB by Nuffield relied upon the retention of the front facade, demolition of the structural frame and floors and the dismantling of the rear facade. This was replaced with a new Portland stone facade and new structural frame and floors tied into the existing exterior.

Retrofit Type

Critical Infrastructure - Healthcare

Heritage

Life Safety





Upgrades to the RSQ building involved the removal of all internal walls and chimneys and the infilling of the floors. The existing front facade windows were replaced with matching timber sash windows.

The theatre ceiling canopies were designed to be skirtless to achieve the required floor to ceiling heights. The finished floor levels needed to match the existing adjacent building and the theatre floor to slab heights could not be increased as a result.

Thermal performance of the pathology building was improved through cavity insulation of the replaced Portland facade to the rear courtyard. The roof contained an insulated slab and insulated composite panels to the plantroom at roof level.

To improve life safety in the event of a fire, the existing Fawcett floors of the RSQ building were upgraded to 90 minutes of fire resistance. This involved the installation of gypsum plaster on lath to the underside of the existing floors.



Lessons Learnt

The site lies within the Smithfield Conservation Area and the St Paul's Heights Control Area. This posed several challenges including maintaining views of St Paul's Cathedral, the impact on the below ground archaeology and the preservation of the listed building itself.

To mitigate any archaeological disturbance below the RSQ building, a new suspended concrete floor was constructed when replacing the existing basement floor. Resilient waterproofing detailing was undertaken by specialists for the ground floor interfaces of the new build works with the existing adjacent buildings.