



9364 – Elective Theatre Design and Access Statement

This Design and Access Statement has been prepared for the proposal of a three storey Elective Theatre Facility at the City Hospital Campus for Nottingham University Hospital NHS.

Nottingham City Hospital, is located to the north of the centre- of Nottingham city centre. The hospital is bounded by residential properties to the north, east and south, A-road(A611)to the west and B-road (B6002) to the north. To the south west of the hospital is located Nottingham High School Sports Fields.

Nottingham University Hospitals NHS Trust (NUH) is one of England's largest acute teaching trusts, and was established following the merger of Nottingham City Hospital and the Queens Medical Centre, providing acute and specialist services.

Elective Theatres

Nottingham University Hospital NHS Trust
City Hospital Campus
Hucknall Road
NG5 1PB

Grid Reference; SK 566440

Easting: 456603

Northing: 344076

Areas

Site Ownership = 416738 m²

Site Development footprint = 953 m² + 49 m²

Existing Ground Floor = 1323m²

Existing First Floor = 531m²

Proposed Ground Floor Refurbishment = 547m²

Proposed Ground Floor New Build = 990m²

Proposed First Floor New Build = 935m²

Proposed Second Floor New Build Plant Room = 685m² + 252m² Plant Deck



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Elective Theatres is located off the North Corridor between existing theatres 1 to 6 and the Orthopaedics Theatre Block and comprises of the following accommodation, state of the art facilities for patients and clinical services providing improved operational efficiencies through clinical adjacencies and will be fully accessible horizontally and vertically.

The design meets the requirements of the **Health Building Notes (HBNs)** give best practice guidance on the design and planning of new healthcare buildings and on the adaptation or extension of existing facilities, and **Health Technical Memoranda (HTMs)** give comprehensive advice and guidance on the design, installation and operation of specialised building and engineering technology used in the delivery of healthcare.

The following accommodation is included within the design;

- Dedicate accessible entrance for patients.
- Patient Pods for admission and discharge
- 3 New Theatres with ancillary rooms including Anaesthetics, scrub, dirty utility, preparation room
- Storage
- Ancillary support facilities
- Offices
- Training Room
- Seminar Room
- Staff Changing Facilities
- Staff Room
- Plant Rooms

The ground floor refurbishment and small new build extension will accommodate the admission and discharge pods, and will generally be fully stripped out and refitted in accordance with the design and will include a replacement roof.

The new build will accommodate the 3 new Theatres and staff facilities on the first floor and plant room located at second floor level. Vertical access will be through a new accommodation stair and a refurbished bed lift providing access to all levels for staff and patients including maintenance and access.

The new build will be constructed of the following materials generally.

- Steel frame structure
- Composite steel floors with concrete
- Composite wall cladding panels with non-combustible insulation
- Polyester powder coated aluminium window and door systems.
- Flat roof will be and inverted roof system with insulation and concrete slabs to accommodate services.
- Plant roof with be composite panel roof system
- Internal walls and linings will be metal stud walls with plasterboard designed to meet performance requirements for fire, acoustics and robustness.
- Ceilings will be plasterboard ceilings and lay in grid ceilings to meet clinical requirements
- Internal doorsets and glazed screens
- Access control
- Digitally inclusive infrastructure

Air Quality Assessment	As the development is a re-provision of existing accommodation within an existing Hospital Campus, we do not believe we qualify as a major development and as such are not required or proposing to undertake an air quality assessment as part of the Planning application.
Biodiversity Survey and Report	A bat survey has been undertaken; the surveys found no evidence of bat activity. The site contains negligible opportunities for biodiversity. We therefore believe that submission of the Bat Survey Report alone would be proportionate to support the Planning Application.
Energy Statement	Refer to Arup Report
Flood Risk Assessment	Refer to KSA Report
Foul Sewage/Utilities Assessment	Refer to KSA Report
Land Contamination Assessment	N/A
Lighting Assessment	As the development is a re-provision of existing accommodation within an existing Hospital Campus, with no additional roads or external lighting proposed we do not believe this is required.
Noise Assessment	As the development is a re provision of existing accommodation within an existing Hospital Campus, we do not believe we meet any of the criteria of developments for which a noise impact assessment is required. We therefore do not propose to include a noise impact assessment within the Planning Application. However, acoustic testing has been undertaken to inform the design and to ensure internal acoustic criteria meets requirements.
Travel Plan	As the Wards are a re provision of existing accommodation within an existing Hospital Campus, we do not believe we qualify as a major development or that the project would generate significant amounts of additional traffic. As such we are not required to undertake a Transport Assessment as part of the Planning Application, we will, however, be providing a copy of the Trust's overall Travel Plan.
Secured by Design	We note that whilst evidence of a Secured by Design Assessment is not listed as an Application checklist item it is recommended in the Design Quality Framework. A Security Needs Assessment will be undertaken by the NUH Head of Security, a SQSS, and his recommendations included within the design.
NetZero	<p>The ICS Green Plan outlines Nottingham and Nottinghamshire ICS commitment to NHS Net Zero ambitions.</p> <p>As the works are embedded within a fully operational clinical building, Net Zero opportunities that are proportionate and feasible to the scale of the refurbishment will be incorporated, the actions described in the plan includes incorporated in the development of the elective hub will incorporate the following examples:</p>

- Fabric First - Where building fabric is being replaced this will offer an improvement to building heat loss. Where practical, building materials will be sourced locally to reduce transportation pollution and support the local community.
- Smart energy strategies - The development will be connecting into site wide heating and hot water generation. NUH is actively progressing delivery of the City Energy Project (CEP) to promote decarbonisation of the City Hospital campus. This includes replacement of its obsolete coal fired and gas back up boilers to a state-of-the-art Energy Centre. This provides improved distribution across the site via 3 new steam boilers and 2 combined heat and power (CHP) units. This is expected to provide a reduction in emissions of 14,000 tCO₂ by 2030. The development will be designed to minimise the risk of overheating and therefore reduce cooling demand. An overheating analysis will be undertaken, and the design will meet Part L 2b.
- Energy technologies - The development will be designed to operate at lower heating flow and return temperatures, this will future proof the scheme for when the site moves to decarbonised energy generation. The department will utilise energy efficient LED lighting. Equipment will be selected to minimise pollution from refrigerants and particulates as far as is possible.
- Sustainable models of care – 60% of carbon emissions are linked to clinical pathways and associated supply chain. Quality Improvement initiatives will be considered in the operating model to reduce waste as part of NUH ambitions to embed sustainability principles.
- Digital transformation – digital enabled care will be utilised to support efficient and productive care provision across the pathway and aligned with the Sustainable ICT and Digital Services Strategy.
- Medicine – anaesthetic gases represent a significant contribution to the NHS carbon footprint. Desflurane has already been removed as an anaesthetic gas, with its use limited on a patient specific basis. Anaesthetic gas use within the elective hub also removed the use of nitrous oxide as another contributor to carbon emissions.



Documents

Architectural

9364-CPMG-00-00-D-A-2001_P01_Existing Ground Floor Plan
9364-CPMG-00-01-D-A-2002_P02_Existing First Floor Plan
9364-CPMG-00-02-D-A-2030_P01_Existing Roof Plan
9364-CPMG-00-ZZ-D-A-2003_P01_Existing Elevations - Sheet 1
9364-CPMG-00-ZZ-D-A-2004_P01_Existing Elevations - Sheet 2
9364-CPMG-00-00-D-A-3010_P01_Proposed Demolition Plan Ground Floor
9364-CPMG-00-01-D-A-3011_P01_Proposed Demolition Plan First Floor
9364-CPMG-00-00-D-A-3001_P01_Proposed Ground Floor
9364-CPMG-00-01-D-A-3002_P01_Proposed First Floor Plan
9364-CPMG-00-02-D-A-3003_P02_Proposed Plant Plan
9364-CPMG-00-03-D-A-3004_P01_Proposed Roof Plan
9364-CPMG-00-ZZ-D-A-3005_P01_Proposed Elevations Sheet 1
9364-CPMG-00-ZZ-D-A-3006_P01_Proposed Elevations - Sheet 2
9364-CPMG-00-ZZ-D-A-3010_P01_3D Views

Bat Survey

RSE_7146_R1_01_V1
Bat Survey-Email Update

Energy Statement

Elective Hub - Energy Statement

Flood Risk

KSA-6204-R03 Flood Risk Drainage Statement

Travel Plan

Travel Plan 2021 - June 07 - v2 (Final)