

Planning Statement

Barnsley Hospital – Ward 13 AHU Installation

Barnsley Hospital NHS Foundation Trust

JTP
ARCHITECTS

Introduction

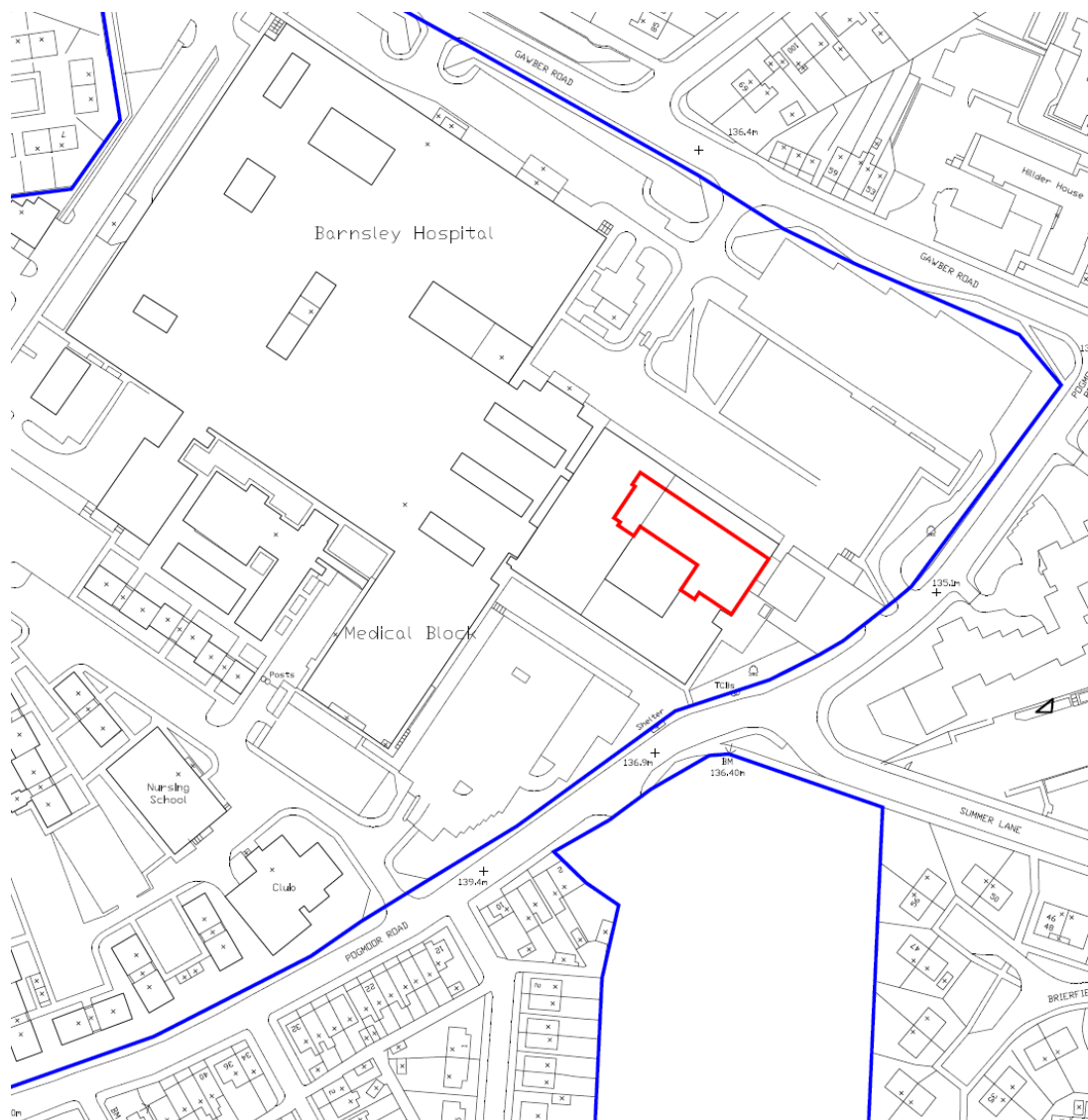
This planning statement has been prepared to accompany a full planning application for the installation of an Air Handling Unit and associated ducting to serve Ward 13 on the roof of O Block at Barnsley Hospital.

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1 Site Context

- 1.1 The Air Handling Unit is proposed to be sited on the roof of O Block which houses Maternity and Women's services. It is being installed to support the refurbishment of Ward 13, the antenatal and postnatal ward.



Site Location Plan

- 1.2 O Block is a three/four storey building of modernist style typical of the 1970s and 1980s.
- 1.3 The block lies to the front of the main building when looking towards the hospital from Pogmoor Road; O Block is situated opposite the junction with Summer Lane.
- 1.4 The AHU is proposed to be sited on top of the three-storey section, on the north-east wing.
- 1.5 When Ward 14 was refurbished in 2020, plant was installed on the south-west wing. It is proposed to mirror this arrangement on the north-east wing.

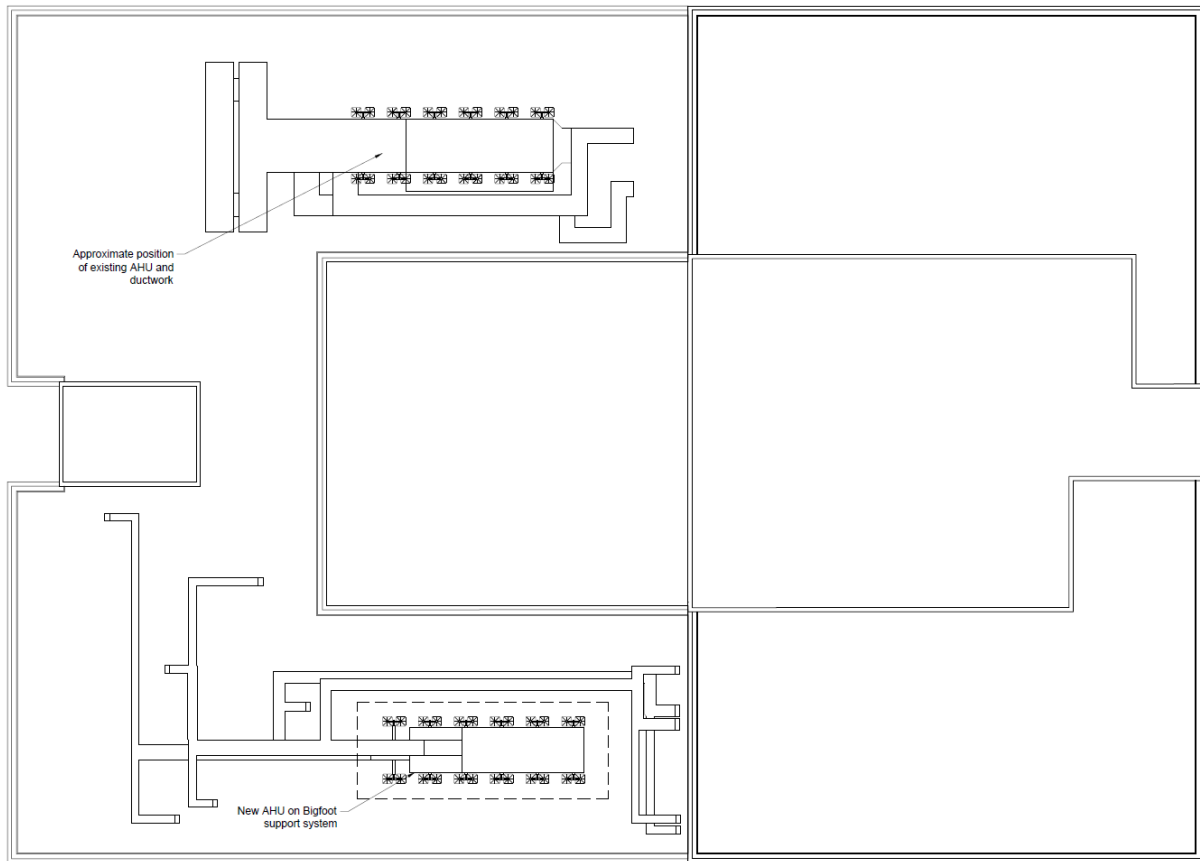
2 Proposal

- 2.1 The requirement for the rooftop plant is driven by the refurbishment of Ward 13. This includes removal of the existing and installation of a new mechanical ventilation system to meet the requirements of the Department of Health's HTM guidance. The importance of having adequate ventilation cannot be understated, and has been particularly highlighted by Covid-19, where increasing the amount of ventilation reduces spread.
- 2.2 The refurbishment of the ward will create an improved environment for patients and staff, meeting modern clinical standards and improving the layout of the ward to accommodate current clinical needs.



Plan showing new layout of Ward 13

- 2.3 The position of the AHU and the ductwork on the roof has been informed by the penetrations needed through the roof slab into the Ward.
- 2.4 The ventilation needs of Ward 13 is less than Ward 14 and therefore the size of the AHU is smaller, as shown in the proposed plan.



Proposed Roof Plan – the existing AHU on Ward 14 is shown for comparison

Appendix A

AHU Detail from FRE-SH-AIR

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LAYOUT DRAWING ONLY

Our Reference	QA4264GT	Project Reference	Barnsley Ward 13	AHU Reference	Supply & Extract Ahu
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Unit Dimensions mm		
Approx mm	Height	Length
2350 inc base & roof	2300	9000
Number of Sections	2	

Roof	Yes	Depth mm	100
Base Frame	Yes	Depth mm	150

Fres Air Inlet	Louvre	Supply Outlet	Spigot	Return Air Inlet	spigot	Extract Outlet	Cowl
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