

The Richard Stephens Partnership Limited

Mill Court
Mill Hill
Edenbridge
Kent TN8 5DB

Tel: 01732 782300 Fax: 01732 782340
mail@thersp.co.uk www.thersp.co.uk



ROYAL FREE HOSPITAL
OPERATING THEATRE COOLING PLANT
ROOF LOCATION FOR CHILLERS
JOB NO: 1817

DESIGN AND ACCESS STATEMENT

21st October 2019

1. Description of the proposal and plant summary

The work includes the extension of an existing plant support frame, and introduction of a covered enclosure to the roof of the podium building located at Royal Free Hospital. This is to provide cooling plant and equipment serving ventilation plant within the adjacent H West plant room providing clinical air change rates and critical space temperature control to 14no of the operating theatres.

The project comprises the installation of 10no 90kW heat pump modules. These have been selected to ensure that the installation has a high degree of resilience due to the critical nature of the areas served. The existing cooling to this plant is approximately 40 years old and is not performing adequately for the demands of a modern operating environment.

The covered enclosure will house power and controls, pumps and pressurisation units associated with the heat pumps. The enclosure is included for secure and safe maintenance access, but also to reduce noise and visual impact.

Pipework will be routed immediately through the plantroom wall where it will be connected to existing pipework pre-installed in readiness for this future works.

2. Access proposals

The new plant area does not impact on public access around or within the hospital. Access to the plant area will be from the existing hospital and restricted for maintenance personnel.

Distribution: Mr A Hassan	RFH: Capital & Estates
Mr R Reus	RFH: Capital & Estates
Mr L Commins	RFH: Capital & Estates
Mr S Cowlin	Richard Stephens Partnership
Mr B O'Reilly	Richard Stephens Partnership
Mr T Pook	Richard Stephens Partnership
Mr M Grant	Wareham & Associates
Mr A Slee	WT Partnership

Directors:
Peter A Smiles IEng, MCIBSE MIET MIHEEM
Andrew M Paterson BEng (Hons) AMIMechE
Gerry S Connor MSc BEng CEng MCIBSE
Stephen V Cowlin MSc BEng (Hons) CEng MCIBSE

Associate:
Trevor R Ford
Gary Kent

Registered Office:
Mill Court, Mill Hill,
Edenbridge, Kent TN8 5DB

Registered in England No. 04982311

