

Design Statement for a new Plant Deck at Great Ormond Street Hospital

Introduction

This application is for the installation of a steel plant deck and screen wall concealing one air handling unit (AHU) and one air cooled chiller unit plus their associated ductwork and other services located above an existing roof at 3rd floor level behind the Frontage Building and not visible from the public highway

Existing Buildings and Site layout

Great Ormond Street Hospital (GOSH) fills much of the block framed by Great Ormond Street, Lamb's Conduit Street/Guildford Place, Guildford Street and Powis Place (see drawings P001 and P002). The Hospital is composed of a number of linked buildings which range in age and style from Late Victorian to 21st Century Contemporary. There is little external space around the building and this is mostly used for landscaped seating areas. There are a number of terraces at high level also used for landscaped seating areas. Most remaining roof spaces provide space for plant and equipment. The main entrance approach and the buildings generally have been adjusted to become DDA compliant wherever practicable.

Existing appearance

The proposal covered by this application affects the Variety Club Building (VCB) which sits behind the Old and Frontage buildings as seen from Great Ormond Street and the rear of the Frontage Building.

The VCB was constructed in the early 1990's to provide a new main entrance, operating theatres, specialist ward space and support services. The facade design of the VCB consists of a series of buff brick and brown window/cladding bands punctuated with white/silver oriel bays with light blue metal features at parapet level. The link between the VCB and the Frontage Building is formed in brown coloured curtain walling.

The Frontage building was constructed in the early 1950's and is built in buff stock bricks with white framed windows.

Background to the Proposal

As part of the Hospital's process of making continual improvements to patient care there is an ongoing programme to replace most of the current building stock on the site. The Frontage Building will be one of the last to be replaced in this process. This building houses most of the Out Patient Services but standard of air quality has been identified as an area where both quantity and quality need to be improved. To achieve this improvement new air handling plant is required.

Proposal

Consideration has been given to where the additional air handling plant for the Out Patients Department can be located. Only one suitable location has been identified.

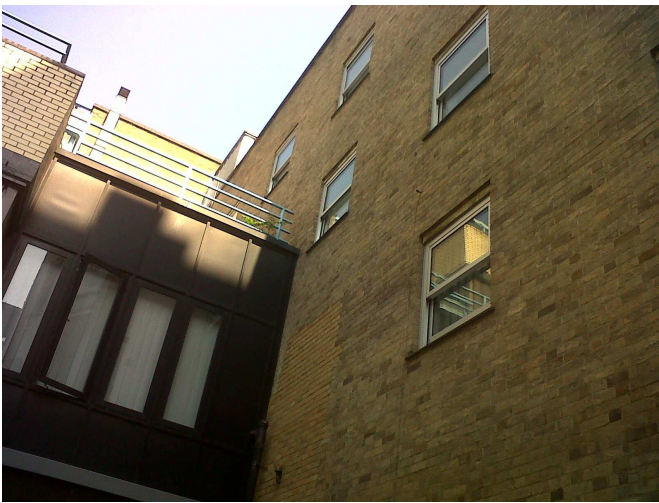
This application is therefore for a small plant deck and AHU plant located in a recess behind the Frontage Building at 3rd floor level (see drawings P004 and P006). This deck will sit over an existing flat

roof adjacent to a staff access only terrace and will not be visible from outside the hospital site (see drawings P005, P006, P007, P008, P009 P012 and P013),

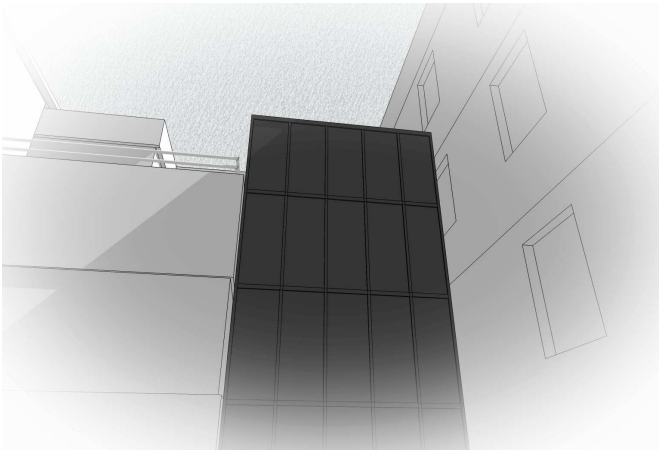
Design Proposals

The chiller and AHU plant will be concealed behind the Frontage Building but would be visible from the approach to the hospital main entrance. It is therefore proposed to screen the plant and the duct work passing to the ground floor ceiling void with a new section of 'curtain walling' designed to mimic the existing curtain walling. This screen will extend above the current parapet line so that the plant is concealed from sight from the approach to the main entrance (see drawings P005, P006, P008 and P009).

The design of the screen includes regularly spaced transoms and mullions with metal infill panels. The whole will be colour coated in brown to match the existing link structure.



Existing Link facade.



Proposed screen

An acoustic report in respect to this application has been commissioned and will be submitted under separate cover.

External Works

This proposal does not change the existing external works or the approach to the Hospital.

Access

Access to the plant deck will be from the Staff Terrace which is in a staff only controlled access part of the hospital.

This proposal does not affect the access to the hospital.

The existing permanent works are designed to be DDA compliant and special consideration has been given to the movement of children with disabilities around the site.

Conclusion

The proposed works will allow the Trust to provide improved facilities to its patients with minimal impact on the public view of the Hospital Complex.