LWENC Refurbishment Works Replacement Roof Plant

Design and Access Statement



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1.00 Introduction

1.01 Purpose of Statement

This statement is being submitted as part of the application for Planning Permission in connection with the refurbishment of the Leonard Wolfson Experimental Neurology Centre (LWENC) within the National Hospital for Neurology and Neurosurgery (NHNN) site in Central London.

Our clients are taking the opportunity to replace the existing outdated plant while undertaking the interior refurbishment of the building.

The client's objective is to replace the plant in order to improve the energy efficicency, accessibility and general safety and functioning of the kit.

1.02 Scope of Works

The existing plant is located on a 1st floor roof within an enclosed courtyard.

The intention is to replace the existing Air Handling Units (AHU) with a more efficient system.

The existing fire escape route across the grond floor roof will not be hindered by the installation of the new plant.



Location of the LWENC within the University College Hospital Site

2.00 The Existing Building 2.01 External Site Photos

STATE OF of the Local Division of the Local Divisiono . A DECK The existing plant is located on a flat roof at first floor level which is enclosed on 4 sides. The roof is accessed from the LWENC building.



Existing flat roof with handrail.

2.00 The Existing Building 2.01 External Site Photos



The existing flat roof of the Lecture theatre at first floor level



The existing flat roof of the Lecture theatre at first floor level



The existing plant is located on a flat roof at first floor level which is enclosed on 4 sides. The roof is accessed from the LWENC building.

2.00 The Existing Building 2.01 External Site Photos







Existing plant on first floor roof.



Existing plant on first floor roof.



2.00 The Existing Building 2.02 The Existing Scheme

The Extent of the Works:

The existing plant is located on the roof of the lecture theatre at 1st floor level and sits within an enclosed courtyard. Existing plant fixtures and supports to be removed.

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3.00 The Proposed Scheme 3.01 The Proposed Plant Works

The Proposed Works:

The intention is to replace the existing Air Handling Units (AHU) with a more efficient system.

The existing fire escape route across the first floor roof will not be hindered by the installation of the new plant.

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3.00 The Proposed Scheme 3.01 The Existing and Proposed Plant Works East Elevation



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PROJECT Leonard Wolfson Experimental Neurology Centre

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4.00 Structural Proposal

Proposed Structural Works

The proposed plant new plant locations are indicated on the roof plan. The plant will need to be located on areas that are capable of carrying the additional loads and if necessary additional support structure will be through the use of spreaders the exact nature of which will depend on the roof construction



5.00 Impact Assessments & Justification of Proposals

5.01 Design Statement and Access to the Proposed Plant

Architectural Character

The NHNN building elevations consist of solid brick walls with white painted timber multi-pane windows and a pitched tiled roof.

Proposed External Development

The new plant is the only proposed alteration to the external fabric of the NHNN building. The new plant will be located on the roof of the lecture theatre which is within a completely enclosed courtyard so will not be visible from Queen Square.

Physical Impact to External Facade

As the new plant will be situated in an enclosed courtyard, there will be no impact on the exterior elements of the building visible from the street or Queen Square.

and as such the value of the historic environment, and the contribution it makes to the cultural, social and economic life within Queen Square will be retained.

Sources Consulted

- Planning Policy Statement 5 (PPS5) Planning for the Historic Environment: Practice Guide (English Heritage)
- Planning for the Historic Environment: Historic Environment Planning Practice Guide (English Heritage)
- Camden Council Conservation Officer
- Camden Development policy 24.18 Incoporating building services equipment

Physical Impact to External buildings

Noise and Vibration

An Accustic survey will be carried out to assess the impact that any potential noise or vibrations will have on the surrounding buildings. Noise and vibration that is generated will be minimised through the use of appropriate attenuation measures.

Sources Consulted

• Camden Development policy 28 - Noise and Vibration

Access

Access to the new roof plant equipment is by the existing method; an external metal stair / internal stairwell. TBC. New walkways will be installed were required



6.00 Conclusion

The client's objective is to replace the plant in order to improve the energy efficiency, accessibility and general safety and functioning of the kit.

The use of acoustic attenuation measures will help the new plant have less of an impact on the existing setting and provide a subtle solution. The proposal will be carried out in a sensitive way, to preserve what is special about the building, and allow it to continue being used and enjoyed.