



1. Proposals Summary

The UCL National Amyloidosis Centre (NAC) MRI Suite project at the Royal Free Hospital involves the remodelling and refurbishment of part of the Royal Free Hospital Medical School 2nd floor to provide new MRI suite.

The proposed area of works occupies the 2nd floor of the Royal Free Hospital Medical School building that is located adjacent to the Royal Free hospital south carpark.

The proposals include new plant located on an existing area of flat roof at second floor level. A new louvred screen is also proposed to the perimeter of the new plant and in-between new plant to provide a visual screen and acoustic control where required.

A section of the existing external envelope will need to be removed to allow the delivery of the new MRI but will be reinstated to match existing. The proposed new quench pipe lagging colour is to match the existing concrete panels and frames as will the louvred screen to the 2nd floor roof plant so as to blend into the building elevation. No modifications are proposed to the existing roof constructions.

2. Access

The new plant area does not impact on public access around or within the hospital. Future maintenance to the new roof mounted plant will be facilitated by an existing 2nd floor access door and designated walkways through the plant area. Access is from within the existing hospital via existing routes and is restricted and available only to maintenance personnel.

3. Plant Summary

The new mechanical services shall be designed and installed such that they do not add to the existing ambient noise levels on the boundary of the site.

The new external plant will consist of 2no. air handling unit and 2no. chillers. These are all to be located on purpose built or manufactured support plinths and no adjustment is proposed to existing roof finishes that are already designed to suit maintenance access.

The location and approximate sizes of each item of plant are noted on the proposals and provided details. The air handling units shall have a double skin insulated panel construction in order to reduce noise break-out and the colour of the enclosure will be standard 'goosewing grey' to blend in with existing concrete panels and plant.

An acoustic screen will be introduced to reduce noise transmission into the building, the colour of which is proposed to match and blend into the existing concrete panel walls and plant it is shown as abutting.