

6 Camden High Street, London NW1 0JH

## External Mechanical Services Strategy

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This document outlines the proposed external mechanical services strategy that will be adopted for the refurbishment works that are to be carried out at 6 Camden High Street in London.

The below proposals are high-level descriptions of the works proposed only, detailed only to provide an overview of the proposed strategy.

A new Variable Refrigerant Flow (VRF) system shall be installed at 6 Camden High Street to provide the required internal comfort conditions to the office accommodation. The VRF system shall be a modular installation to allow for multiple tenants within the building by providing one VRF system per floor.

The VRF system will require air cooled condensing units for each floor to be located externally. These will be positioned on the third floor as shown below in Figure 1. The originally proposed plant space shall be extended to provide enough space for each floor to have a dedicated condensing unit.

The VRF system shall be a heat recovery type system in order to provide simultaneous heating and cooling on each floor. Refrigerant pipework shall be installed between the external condensing units and internal fan coil units.

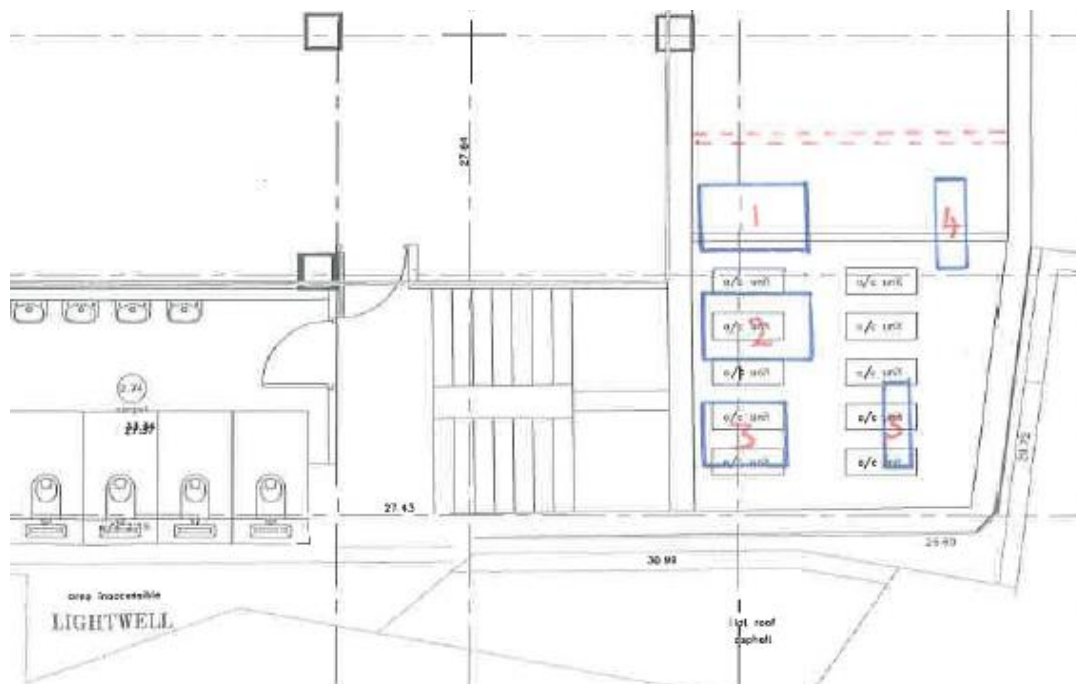


Figure 1 - Proposed Equipment Location

The condenser units shall be installed behind an acoustic screen, with an acoustic louvre to the top. This is to ensure that the noise generated by the new equipment will not be detrimental to the neighbouring properties and comply with the requirements of London Borough of Camden Council. The council's requirement is the rating level of sound from the new equipment shall be at least 10dBA below the prevailing background sound level to outside the closest noise-sensitive properties. An acoustic assessment is attached to confirm that the cumulative sound level for all new plant operating will not exceed the council's criteria.