

Ventilation and Extraction Statement

The Interiors Group through Callisia have engaged Conabeare Acoustics Limited to undertake an environmental sound survey to establish the Background Sound Level to assess the impact that noise from the proposed plant will have on that level, the main findings of which are as follows. A full copy of the report can be found in Section 6.

The lowest measured background sound levels $L_{A90,15MIN}$ were as follows:

- 53.1dB(A) between 07:00 hours to 19:00 hours (Day Time)
- 51.1dB(A) between 19:00 hours to 00:00 hours (Evening)
- 43.3dB(A) between 00:00 hours to 07:00 hours (Night Time)

It is understood that the current policy of the London Borough of Camden is that noise from new mechanical plant should be at least 5dBA below the Background Sound Level (L_{A90}) measured at 1 metre from the nearest effected residential property with due allowance for any tonal noise emanating from the proposed plant.

It is understood that the air conditioning plant will only be operational between 07:00 and 19:00 hours, therefore a 48dB(A) criteria has been adopted as the design target.

The nearest residential window is at first floor level and estimated to be a distance of 30 meters away from the building with an additional 7 meters to the centre of the plant on the roof.

Conabeare findings illustrate that at 1 meter from the façade of nearest noise sensitive window, the Specific Sound Level would be:

- 42dB(A) for the 8 nr condensers
- 23dB(A) for the Air Handling Plant

The combined total is 42dB(A) and therefore meets the planning requirements of the local authority.

Details of the proposed Mechanical Layout and Plant Equipment can be found in Sections 7 & 8.