Planning Department



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Camden Council,

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|  |
| 18th May 2020 |
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Dear Sir or Madam,

**RE. Planning Application 2015/6141/P Former Public Conveniences Guilford Place London WC1N 1EA. Change of use from former public convenience (Sui Generis) to mixed A1/A3 use (retail/restaurant), and associated works.**

In regards to the above application and conditions discharge. We wish to discharge condition 6. The condition reads.

*6 Prior to commencement of the development, details shall be submitted to and Executive Director Supporting Communities Page 3 of 6 2015/6141/P approved in writing by the Council, of the external noise level emitted from plant/ machinery/ equipment and mitigation measures as appropriate. The measures shall ensure that the external noise level emitted from plant, machinery/ equipment will be lower than the lowest existing background noise level by at least 10dBA as assessed according to BS4142:2014 at the nearest and/or most affected noise sensitive premises, with all machinery operating together at maximum capacity. A post installation noise assessment shall be carried out where required to confirm compliance with the noise criteria and additional steps to mitigate noise shall be taken, as necessary. Approved details shall be implemented prior to occupation of the development and thereafter be permanently retained.*

*Reason: To ensure that the amenity of occupiers of surrounding premises is not adversely affected by noise from mechanical installations/ equipment, in accordance with Policy A4 of the Camden Local Plan 2017.*

Guilford Place WC is a grade II listed building. The installation of plant has to be sensitive to the heritage asset.

For the above reason the only equipment installed is a stale air extract via a 150mm duct. This duct has fitted an IN-LINE MIXED FLOW DUCT FAN manufactured by TD model number TD-MIXVENT Series Model TD 800/200 connected to a Blauberg silencer SD 200/600. Spec sheet attached.

The condition requires a 10dBA noise reduction below the lowest background level. The Environmental noise report prepared by Noico Noise control and Louvre Systems prepared May 2017 gives a background minimum level measured as.

Daytime (07.00 to 23.00) - 48.1 LA90

Night time (23:00 to 07:00hrs) - 40.3 LA90

Based on the above condition the noise level should not exceed.

Daytime plant operation (07:00 to 23:00hrs) - 38.1 dB LAeq

24 hour plant operation - 30.3 dB LAeq

The fan installed is mounted internally with a duct length to the final exit of 4 metres and is within the internal roof space of the customer area.

The HVAC company (FROSTBITE UK Complete Climate Control) that installed the fan and silencer have confirmed that the fan is set to the lower setting of 2000rpm in order to increase longevity and reduce internal noise in the customer space. The attached data sheet shows that at 2000 rpm the fan is producing a sound pressure level of 33 dB(A).

Further there is a Blauberg silencer installed Model SD 200/600 Data sheet attached. The manufacturer confirms that this silencer gives a reduction of 6 dB to 13 dB. The silencer manufacturer has also confirmed that a further reduction occurs per metre of duct length of minimum 0.3dB.

Based on the above information the noise output from the fan at final exit to the street with the minimum noise reduction is 26dB due to the reduction from the silencer and the additional duct length.

The fan as it is an extract for stale air is operational only during the daytime plant operation hours and therefore the sound levels produced from this equipment are below the minimum level without the attenuation during the daytime period.

There is no commercial refrigeration equipment installed with food being preserved in counter top fridges. This is due to site space restrictions and the nature of the food served and therefore there will be no external noise from 24hour plant operation.

Due to the low impact of the equipment installed we do not believe a post installation noise assessment is required and we therefore ask for this condition to be discharged on the basis of the above information and the submitted data sheets and the attached manufacturer’s calculation.

Yours sincerely

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