



Noico Limited
Landmark House
Station Road
Hook, RG27 9HA
Tel: 01256 766207
E-mail: sales@noico.co.uk
Web site: www.noico.co.uk

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Our Ref: 580623B

**Technical Memorandum
44 Gloucester Avenue
Acoustic Enclosure for Roof Plant**

Project was to house 2 off Daikin RXYSQ12TY1 and 1 off Daikin RXYSCQ5TV1 condensing units in a four-sided & open topped acoustic screen and to reduce the noise levels produced by the new plant to the maximum noise levels allowed by Camden Councils latest requirements under Policy A4 (Noise and Vibration) of the Local Plan 2017

Hann Tucker Associates produced Combined Building Services Report No. 22620/CBS1 dated 4th August 2016.

This advises that the true background noise levels on the Penthouse Balcony are:

- Daytime 07:00 – 23:00 hours 50dB(A)
- Night Time 23:00 – 07:00 hours 40dB(A)

The plant noise is not considered to be tonal, therefore, based on Camden Councils noise policy the maximum noise levels to be achieved on the Penthouse Balcony should not exceed 10dB below the background levels:

- Daytime 07:00 – 23:00 hours 40dB(A)
- Night Time 23:00 – 07:00 hours 30dB(A)

The acoustic enclosure has been designed to achieve the following noise levels at a distance of 5.3m from the enclosure with all three condensing units running:

- In full (Daytime) speed: 38dB(A)
- In "Night Quiet Mode step 3": 26dB(A)

This confirms that, provided the plant is set to run in "Night Quiet Mode step 3" from 23:00 to 07:00 hours the noise levels will comply with Camden Councils Policy A4 (Noise and Vibration) of the Local Plan 2017.

For Noico Limited

Andy Hetherington MIOA
Direct Dial: 01256 763956
Mobile: 07469 856824
Email: andy@noico.co.uk