

## Gentet, Matthias

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**From:** Martin Narraway <[REDACTED]>  
**Sent:** 26 April 2016 17:00  
**To:** Davis, Edward  
**Cc:** Gentet, Matthias  
**Subject:** Application 2015/3268/P, 21 Swain's Lane

Dear Edward

Further to our conversation my query relates to the above application that comprises three air systems;

- 1) A 'domestic' steam extract terminating at the rear of the property
- 2) Air Conditioning equipment including a Weatherform roof mounted terminal and a new door to the AC unit 'storage' area.
- 3) A toilet extract terminating at the rear of the property.

### 1) Domestic Steam Extract

From the drawings this is shown as comprising

- a. 200mm ducting,
- b. an E-Pack carbon filter,
- c. a Centrifugal box fan Hideaway SH 250-1ACL
- d. Techsound circular attenuators (200mm x 600mm long)
- e. Plant area extract Helios 230/1/50 motor.

The Acoustic Report dated 26-Oct by Sharps Redmore refers in section 3.1 to a Fantronix in-line kitchen extract fan with a sound level of 52 dBA, from above this is not installed, instead there is the Hideaway SH250 which produces between 76 and 85 dB (the Hideaway details are included in the application).

Item (e) is located on the drawing in this system but the description and good engineering would locate it in (2), the Weatherform roof mounted terminal.

### 2) Weatherform Terminal

Drawing 1201 identifies this as a Weatherform Ltd, Roof Mounted Terminals, Unit Ref RA450. Drawings of this terminal indicate space for a fan, see attached, <http://www.weatherform.co.uk/pdf/Horizontal-extract-dims.pdf>

Helios manufacture suitable fans, 450mm dia, <http://www.heliosfans.co.uk/catalogues-media> - standard range catalogues – roof fans. A 450mm fan produces 54 to 70 dB(A), page 349. No mention is made of this fan in the acoustic report.

### 3) Toilet extract

Drawing 1100 indicates the Techsound 100mm dia x 600mm long attenuator as being within the main building (thick rear walls) and drawing 1101 shows the Toilet Extract Vent Axia ACM150 (i.e. 150mm dia) as on the rear wall of the building. For the attenuator to work it needs to be post the fan.

I therefore query the accuracy/relevance of the current drawings and acoustic report.

Best regards

Martin Narraway  
Chair HLE CAAC