



Mr Chris Flint
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21st December 2016

Airtight & Noisecheck Ltd
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RE: 314-318 London Road, Waterlooville

Dear Mr Flint,

Further to our recent telephone conversation I enclose the following.

Further to my recent inspection of the construction details installed at 314-318 London Road, it is clear that the works to the external façade & windows have been installed in accordance with the specifications listed within our report no – 13389 – dated 14-15th June 2014.

The findings of this report indicated that the sound reduction required by the façade & glazing needed to exceed 31dBA.

The double-glazing installed will achieve this sound reduction due to the specification of glazing.

- Double glazed comprising of 4-18-6 offering a sound reduction of 35dB (taken from a manufacturers database).

The external facades comprise of either:

- Existing external wall
- Cavity
- 70mm stud with insulation
- 15mm plasterboard

or

- 15mm plasterboard
- 140mm Timber frame section
- 9mm OSB board
- 120mm Celotex
- 9mm wind brace on 25mm battens & external finish

or

- 300mm external wall detail

The above systems will offer a sound reduction in excess of 31dB and this can be justified by the details in BS8233: 2014, Table E1.A – Laboratory airborne sound insulation of walls and partitions & Table E.1B – Field airborne sound insulation of walls and partitions.

In addition the specifications listed above, the internal separating floors & walls have been tested in accordance with Approved Document E – The resistance to the passage of sound and they have satisfied these requirements.

This indicates that the works implemented on site have satisfied the building regulation requirements.

A new CURTI Electro-Hydraulic lift has been installed within the building, a purpose built shaft has been installed to house the lift and this detail should ensure that the noise produced from the lift from the residential dwellings. The lift shaft construction comprised of a steel frames structure with British Gypsum Quietwall wall lining to the outside.

All components for the lift are located within the lift shaft, which also ensures the residential dwellings will be protected from these services.

Based on the specification review of the elements installed to the building façade, windows & lift shaft it is anticipated that the client has achieved the sound reduction values listed within Airtight & Noisecheck Ltd Report 13389, June 2014.

Please do not hesitate to contact me should you require anything further.

These separating elements
Yours sincerely,

A handwritten signature in black ink, appearing to be 'M. H. A.', written over a light blue horizontal line.

Airtight & Noisecheck.