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Client: Thrive Living

Site: 81A London Road  
Waterlooville  
Hampshire

Date: 26<sup>th</sup> February 2026

Noise Mitigation Strategy NMS81ALRT – 81A London Road, Waterlooville

Project: Technical Note listing the proposed noise mitigation strategy for the proposed scheme at 81A  
London Road – Planning Approval No: APP/25/00096

Discharge of Conditions 4 & 5

**Application History:**

Planning permission was granted for the redevelopment of 81A London Road, Waterloooville under application reference APP/25/00096.

The approved scheme comprises the conversion and extension of the existing building to provide residential accommodation.

This Noise Mitigation Strategy is submitted in support of a discharge of conditions application relating to Conditions 4 and 5 of the above approval, specifically in respect of acoustic design, glazing and ventilation strategy.

The site is located on London Road within Waterloooville and is subject to road traffic noise, which has been assessed within the accompanying Vine Acoustics Noise Impact Assessment.

## **Building Specifications:**

### **Ventilation**

The development will be ventilated via acoustic trickle ventilators serving all noise-sensitive bedrooms. This approach allows adequate background ventilation to be maintained with windows closed, ensuring internal noise levels are controlled.

The proposed system will comprise RW Simon Acoustic EHA trickle ventilators (or similar approved), achieving a minimum sound attenuation performance of 36dB.

| Product                            | Sound Reduction - open | Sound reduction - closed |
|------------------------------------|------------------------|--------------------------|
| RW Simon Acoustic EHA trickle vent | 36dB                   | 38dB                     |

Each bedroom will be served by a single acoustic trickle ventilator integrated within the window frame, sized to achieve the required airflow rates in accordance with Approved Document F.

Purge ventilation will be provided via openable window elements.

### **Façade Detail**

The external wall construction will comprise the existing masonry façade upgraded internally with battens and insulated plasterboard lining.

This construction is expected to achieve a sound reduction performance in the order of 50–52dB DnT,w + Ctr, in accordance with BS8233:2014.

### **Roof Detail**

The roof construction will comprise a Bauder single ply Thermafol PVC membrane (or equivalent) on 120mm Kingspan TR27 insulation over vapour control layer and structural deck, supported on timber joists in accordance with structural engineer's design.

This construction is expected to achieve a sound reduction performance of approximately 43dB Rw in accordance with BS8233:2014.

## **Windows**

All habitable room windows will comprise double glazed units designed to achieve a minimum sound reduction performance of 30dB.

The glazing specification will be equivalent to:

SG Solaglass 4-10-6 (20mm overall thickness)

which provides an overall sound reduction of approximately 30dB based on frequency performance data.

No alternative glazing specification is proposed.

## **Acoustic Performance Statement**

The above measures represent the committed acoustic design strategy for the development.

The combination of glazing, acoustic ventilation and building fabric performance ensures that internal noise levels within habitable rooms will comply with BS8233:2014.

These measures are based on the Vine Acoustics Noise Impact Assessment and are considered sufficient to mitigate external noise sources affecting the site, including road traffic along London Road.