

**APP/26/00340 – Discharge of Conditions 13, 14 & 15 of
APP/25/01015**

RESPONSE TO ENVIRONMENTAL HEALTH CONSULTEE COMMENT

Hi Tina,

Further to Craig's comments below (in red), please find attached the additional technical information in support of the discharge of Conditions 14 and 15.

For ease of review, I have responded to each of the points raised below (in blue)

Condition 13

No further information is required.

I note Craig's confirmation that the submitted Construction Management Plan is sufficient to discharge this condition.

Condition 14 – Noise Mitigation

Comment

The proposed glazing specification does not comply with the supporting Vine Acoustics Noise Assessment.

Response

The proposed glazing specification has now been confirmed and enhanced.

Whilst the original submission proposed 37 dB glazing to the principal road-facing elevation and 35 dB glazing to the remaining elevations, the applicant has elected to upgrade all proposed new glazing throughout the development to a minimum acoustic performance of 37 dB RW.

All proposed new windows will therefore comprise REHAU Total70 slimline uPVC frames fitted with 6.8 mm laminated / 18 mm argon-filled cavity / 4 mm low-emissivity glazing, providing a minimum acoustic performance of **37 dB RW.**

The following supporting information is attached:

- Manufacturer's glazing specification.
- Manufacturer's thermal performance data.
- Manufacturer's acoustic performance data.

The proposed glazing specification has been upgraded so that all new glazing throughout the development achieves a minimum acoustic performance of 37 dB RW, exceeding the originally proposed specification to the quieter rear elevation.

Comment

Whilst the trickle vents proposed in the strategy do comply with the Noise Assessment, the performance prescribed is not expressed in a form directly comparable to $R_w + C_{tr}$ and does not clearly account for traffic noise. There are therefore concerns that the proposed trickle vents would not provide adequate insulation to protect from road traffic noise when in the open position.

Response

The proposed ventilation strategy has been clarified.

The principal front elevation, which is subject to the highest road traffic noise levels, will be ventilated via the proposed Mechanical Ventilation with Heat Recovery (MVHR) system. Accordingly, **no trickle ventilators are proposed to the front-facing habitable rooms.**

Acoustic trickle ventilators are proposed only to the remaining elevations where background ventilation is required.

Manufacturer's technical information for the proposed Glazpart LinkVent acoustic trickle ventilators is attached.

Comment

A detailed glazing specification has not been provided. It is noted that Appendix C may be incomplete.

Response

The following supporting information is attached:

- Manufacturer's glazing specification.
 - Manufacturer's thermal performance data.
 - Manufacturer's acoustic performance data.
 - Glazpart LinkVent acoustic trickle ventilator technical information.
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Comment

No detailed noise break-in calculations have been provided to demonstrate that the target internal noise levels shall be achieved following implementation of the proposed noise mitigation scheme.

Response

The proposed glazing specification has now been confirmed as **37dB RW** throughout the development.

In addition, the ventilation strategy has been clarified, with the principal road-facing elevation ventilated via the proposed MVHR system, thereby removing the requirement for trickle ventilators to the most noise-sensitive façade.

The attached manufacturer's technical information confirms the proposed glazing and ventilation specification.

Condition 15 – Separating Floor / Ceiling Construction

Comment

The submission does not include design calculations and/or manufacturers' acoustic test data to demonstrate that the separating floor/ceiling will achieve a minimum airborne sound insulation performance of $\geq 48\text{dB } D_{nT,w} + C_{tr}$.

Response

Manufacturer's acoustic test data for the proposed separating floor/ceiling construction is attached, demonstrating the acoustic performance of the proposed ceiling system.

I trust the attached information addresses Craig's comments and provides the additional technical information requested. However, should Craig require any further clarification or supporting information, I would be pleased to provide this.