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129 Wilbraham Road, Manchester

Assessment of External Plant on the Proposed Development

Following the comments from the Environmental Health Department of Manchester City Council in response to AEC's report P5658/R01a/WJK relating to the proposed residential development at first floor level of 129 Wilbraham Road, Manchester, please find my comments below.

As stated in the report, as part of the development the three items of external building services plant associated with ground floor shop will be relocated. The Client has confirmed that the plant only operates during the daytime period (0700 to 2300h).

The report demonstrates in Table 5.4 of Section 5.0 that noise from the plant would be 5dB below the existing background noise level external to the nearest noise sensitive receptor not associated with the scheme on Yew Tree Road.

Following the relocation of the units, they will be approximately 2 metres away from the nearest habitable room (a bedroom) associated with the proposed scheme.

Calculations indicate that based on the determined noise levels from the units, of around 63dBA, and the sound insulation performance of the proposed glazing and acoustic trickle vents for the room, as outlined in Table 5.2 of Section 5.0, internal noise levels due to plant within the bedroom during the daytime would be significantly below 35dB$L_{Aeq,16h}$. This is in compliance with the internal noise level requirements of Manchester City Council as presented in their document '*Planning and Noise – Technical Guidance*' (PNTG).

Based on this, it is considered that noise from the relocation of the units is suitably controlled external to nearest noise sensitive receptor and internally within the development.

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