

Our Ref: 19-5771 - 7 The Forum Stevenage SG1 1ES – TN1 Rev A

This Technical Note has been produced as an addendum to the previous Noise Impact Assessment carried out by Syntegra for 7 The Forum, Stevenage (report ref: 19-5771 Rev A, dated 11th February 2020).

Specifically, the note seeks to address Planning Condition 13 of the Planning Permission granted by Stevenage Borough Council (application ref: 19/00647/FPM) which states:

“13 No development, including site clearance or demolition works, shall take place until a scheme for protecting the proposed dwellings from noise from transport and adjacent commercial noise sources has been submitted to and approved in writing by the local planning authority. The scheme shall follow the recommendations identified in the Syntegra Noise Impact Assessment report (Ref:19-5771 Rev.A) dated February 2020. None of the dwellings shall be occupied until such a scheme has been implemented in accordance with the approved details, and shown to be effective, and it shall be retained in accordance with those details thereafter.

REASON:- To protect the amenity of future occupiers of the development hereby approved.”

Syntegra have undertaken a revised NIA review of the current Stage 2 design proposals and can confirm that there is no change to the previous recommended acoustic strategy, which, once adopted and implemented by the scheme, this will provide sufficient protection to the proposed dwellings from noise from transport and adjacent commercial noise sources. For convenience and, in accordance with the Syntegra Noise Impact Assessment report (Ref:19-5771 Rev A), dated 11th February 2020, the dwellings should be constructed in accordance with the below:

- **The façade build-up will be a standard brick and block construction, or equivalent, to achieve an R_w of approximately 55 dB.**
- **For the northern and southern façade;**
 - **A double glazing system in a 10/12/4 configuration (or equivalent) will be installed to give a Sound Reduction Index (SRI) of 36 dB R_w .**
 - **An alternative means of ventilation, such as MVHR, will be installed to allow adequate ventilation without the requirement to open windows.**
- **For the eastern and western façades;**
 - **A typical glazing system in a 4/12/6 configuration (or equivalent) will be installed to give a Sound Reduction Index (SRI) of 30 dB R_w .**
 - **Appropriately specified acoustic trickle vents or an alternative means of ventilation will be installed to allow adequate ventilation without the requirement to open windows.**

We recommend that, at the appropriate time, glazing specifications and details of ventilation strategy are submitted as an effective method to evidence that the scheme has implemented the construction details as specified above. This evidence can only be provided once the construction has occurred.

Written and Approved by:

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Technical Director (Environmental Services)
Syntegra Consulting

Professional Statement:

David Yates BSc (Hons) MIOA

David Yates is a full member of the Institute of Acoustics (MIOA) and has approximately 15 years' experience in acoustic consultancy. David has particular expertise in environmental noise providing acoustic consultancy for residential and mixed use planning applications, plant noise and vibration, construction noise and the design of acoustic, noise and vibration control. David is also experienced in providing sound insulation testing and design advice. David is familiar with the application of all relevant standards associated with his work, including but not limited to, BS 4142, BS 8233, BS 7445, BS 6472, BS 5228, BS 140 series, BS 16283 series and BS 717 series. David manages the acoustic department and is responsible for maintaining Syntegra's ANC membership.