

08 November 2024

1000894521 Ontario Inc.
7 Charnwood Court
Nepean ON K2E 7C9

Attention: Dinis Cabral

Dear Sir,

370 Cambridge Development: Noise Control Certification Letter

This Certification Letter provides our review of noise control measures included in the design of the proposed multi-unit residential development at 370 Cambridge Street North (City of Ottawa File Number D07-12-23-0036). Reference is made to the following documents:

1. the Noise Study for the project, "Noise Impact Assessment Study, 370 Cambridge Development – Update 1", dated 2023-12-01 and prepared by Integral DX Engineering Ltd.; and
2. For Construction drawings for the project, file name "370-Cambridge_Construction Drawings_Nov_08-2024.pdf", received 2024-11-08.

Ventilation Requirements

The Noise Study requirement is that central air conditioning (or a suitable alternative) be provided for all units. We have received confirmation in writing from the project Architect, Mr. Marco Ianni, that central air conditioning will be provided for all units.

The Noise Study ventilation requirement is met.

Building Envelope Components

The Noise Study included minimum glazing specifications applicable to windows and balcony doors (double glazing with minimum glass and inter-pane thicknesses). For Construction drawing A002.1, section Doors and Window, item 12 confirms that double-glazed units will be provided, both panes 6 mm thick, and 13.4 mm between panes. This exceeds all minimum specifications in Table 7 of the Noise Study.

The Noise Study requirements for glazing were developed based on minimal exterior wall noise insulation performance (NRC BRN-148 wall type EW1). For Construction drawing A002.2 includes the exterior wall designs. Each exterior wall type includes more mass and a greater overall depth than the minimal wall design used to determine glazing requirements in the Noise Study. This will further reduce transportation noise levels within the dwelling units.

The Noise Study building envelope component requirements are met.

Conclusion

We certify that, based on the information received, the project design meets all Noise Study requirements for transportation noise.

Please do not hesitate to contact us with any questions or further requirements.

Yours truly,



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CC: Marco Ianni, Marco Ianni Architect Ltd.