

GRADIENTWIND

ENGINEERS & SCIENTISTS

November 3, 2025

Minto Communities.
Attn: Kiara Gonzales.
200-180 Kent Street
Ottawa, Ontario
K1P 0B6

Dear Ms. Gonzales:

Re: STC Partition Study Memo
298 Axis Way, Ottawa ON
GWE File No.: 24-197 – Addendum Memo

Gradient Wind Engineering Inc. (Gradient Wind) was retained by Minto Communities to undertake a traffic noise study for a proposed residential development located at 298 Axis Way in Ottawa, Ontario. This addendum memo is supplemental to our roadway traffic noise report (ref. Gradient Wind report #24-197 – Traffic Noise, dated December 05, 2024), to study the STC rating of the proposed partition shown below.

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FRAME WALL CONSTRUCTION:

- O.B.C. 9.23. & SB-3 = WALL EW2a (STC = N/A, FIRE = 1 HR)
- SIDING, HARDIE PANEL OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.) W/ DRAINAGE LAYER AS PER MANUF. SPECS.
- WALL SHEATHING MEMBRANE AS PER 9.27.3.2.
- 7/16" (11mm) OSB (EXTERIOR TYPE) OR 3/4" (19mm) FOR VERTICAL SIDING AS PER O.B.C. 9.23.16.
- 2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
- R22 (RSI 3.87) INSULATION (ZONE 1 OBC SB-12 T.3.1.1.2.A.) MADE WITH GLASS FIBRE HAVING A MASS OF NOT LESS THAN 1.0 kg/m²
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 5/8" (15.9mm) TYPE 'X' GYPSUM BOARD.

The traffic noise study conducted in December 2024 recommended a minimum Sound Transmission Class (STC) rating of 40. Based on the analysis of the proposed partition using the INSUL software, an STC value of 41 was obtained, demonstrating compliance with the requirements specified in the traffic noise study.

This concludes our response and review of the proposed partition for 298 Axis Way in Ottawa, Ontario.
Please advise the undersigned of any questions or concerns.

Sincerely,

Gradient Wind Engineering Inc.

Sergio Nunez Andres

Sergio Nunez Andres, B.Eng.
Junior Acoustic Scientist

Joshua Foster, P.Eng.
Lead Engineer

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