

April 20, 2021

MB Pickard Project Management  
1025 Grenon Ave., Suite 108  
Ottawa, ON, K2B 8S5

**Attention: Monte Pickard**

Dear Sirs

**RE: Orlean Physiotherapy, 1994 St. Joseph Blvd., Ottawa, ON**

I have undertaken a **Nosie Study** as requested based on ANSI/AHRI Standard 275: "Application of Outdoor Unitary Equipment A-Weighted Sound Power Ratings" with the following results.

- .01 Source of noise: Proposed roof top commercial AC unit with sound rating of 83 dBA.
- .02 Distance to point of evaluation, (residential building at rear property): 48m
- .03 Equipment location factor (Table 1): 0.0 dBA
- .04 Combined sound rating:  $83.0 + 0.0 = 83.0$  dBA
- .05 Barrier shielding factor (Table 2): 0.0 dBA
- .06 Sound path factor (Table 3): 10.0 dBA
- .07 Distance factor (Table 4): 42 dBA
- .08 Combined sound and distance factors: 52 dBA
- .09 A-weighted sound pressure level at point of evaluation:  $83.0 - 52.0 = 31.0$  dBA

I trust that the above meets with your approval.

Regards,



**R. Ian Clapperton, P.Eng.**  
President

