

BUILDING SERVICES ENGINEERING AND DESIGN

1310 Portarlington Road

Curlewis 3222

0423 279 170

ADVERTISED COPY

ENGINEERS ADVICE NOTICE

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|----------|---|--------|---------------------------|
| To: | Cheol Ook Lee | Date: | 17/06/2025 |
| Company: | Nosu KBBQ | Email: | nosu.restaurant@gmail.com |
| From: | Bryson Wells | EAN | 1 |
| Project: | Nosu KBBQ - 168 Clayton Road Clayton | | |
| Subject: | Acoustic Advice - Second Floor Occupants | | |

I advise of the following further information/clarification:

Regarding the potential acoustic impact to the bedroom 1 users as the result of the exhaust flue running next to their window, I confirm the following:

- The Kitchen Exhaust ducting shall be rigid heavy gauge galvanized steel of a thickness not less than 1.2 mm per 1668.1 and AS4254 Kitchen exhaust ductwork.
- The proposed kitchen exhaust system shall be supported by means of wall fixings, steel trimmers, hanging rods and framework per "Sheet Metal and Air Conditioning Contractors' National Association "SMACNA" and the Plumbing Industry Commission Technical Guidelines.
- Vibration isolation mountings shall be used for kitchen exhaust ductwork and fan 'above and beyond' the standard Australian standards to reduce the mechanical noise impact to the residents on the second floor. Methods that will be used will be double deflection neoprene in-shear mountings incorporating steel top for all any point of contact with the building structure and the kitchen exhaust fan shall be mounted by means of spring mounts selected to achieve 95% isolation efficiency at the normal operating speeds of the fan.
- The ductwork is effectively sized to limit potential noise outbreak from the ductwork air noise.

To conclude with ducting shall be effectively supported and vibration isolation mountings shall be used for kitchen exhaust ductwork and fan 'above and beyond' the standard Australian standards to effectively isolate noise vibration and reduce the noise by 95% compared to the standard method of installation.

I trust that the above is satisfactory for your present purposes.

Endorsed building engineer

Name: Bryson Wells

Address: 1310 Portarlington Road Curlewis 3222

Endorsed building engineer area of engineering: Mechanical

Endorsed building engineer registration no.: PE0002796

Building practitioner registration category and class: Mechanical

Date of issue of certificate: 17/06/2025

Signature:

