

**felix@pcen.com.au**

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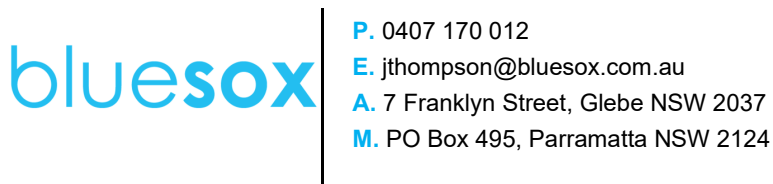
**From:** Jonathan Thompson <jthompson@bluesox.com.au>  
**Sent:** Tuesday, 25 January 2022 12:16 PM  
**To:** felix@pcen.com.au  
**Subject:** RE: 35-39 Jenkins Rd Carlingford - MECHANICAL VARIATION (V1) : CFD ANALYSIS FOR PERFORMANCE

Felix, variation to undertake CFD analysis in the design of a Performance Solution to eliminate all horizontal mechanical exhaust levels & avoid requiring jet fans in the mech design:

Description:	Variation V1
Status:	APPROVED
Amount:	\$7,500.00+GST
Scope:	As per fee proposal (modelling of different options, prepare & provide CFD Performance Solution Report to satisfy requirements of the BCA)

Regards,

Jonathan Thompson



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**From:** felix@pcen.com.au <felix@pcen.com.au>  
**Sent:** Tuesday, 25 January 2022 11:11 AM  
**To:** Jonathan Thompson <jthompson@bluesox.com.au>; johnt@mainternational.com.au  
**Subject:** RE: 35-39 Jenkins Rd Carlingford - Mech RFI

Hi Jonathan,

See the final report for the north parramatta job for your reference.

Cheers,

**Felix Ye**

Director, MEP

MEng | CPEng | NER | RPEQ

BDC C9 Mechanical Certifier

DBP Mechanical Design Practitioner

**Premium Consulting Engineers Pty Ptd**

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**From:** [felix@pcen.com.au](mailto:felix@pcen.com.au) <[felix@pcen.com.au](mailto:felix@pcen.com.au)>

**Sent:** Wednesday, 8 December 2021 5:23 PM

**To:** 'Jonathan Thompson' <[jthompson@bluesox.com.au](mailto:jthompson@bluesox.com.au)>; 'johnt@mainternational.com.au' <[johnt@mainternational.com.au](mailto:johnt@mainternational.com.au)>

**Subject:** 35-39 Jenkins Rd Carlingford - Mech RFI

Hi Jonathan,

As discussed in the meeting, please get me the answers for the following high level questions to enable me for a preliminary spat

1. Doing a performance-based car par CFD as suggested to take out horizontal ductwork to benefit all services and potential see fee proposal, reattached;
2. Apartment currently only allowed for living area, please change to suite the options we have chosen below:
  - Split ducted with day/night zoning
  - Mini VRV with wardrobe unit in each areaRefer attachment 2 for examples
3. Apartment wet area exhaust, option below:
  - Duct in bulkhead to façade/balcony;
  - 75mm flatpack travel in 2700 ceiling and penetrate sliding door subhead;

Please confirm ASAP so I can start initial spatial.

Cheers,

**Felix Ye**

Director/Mechanical Engineer

NSW Fair Trading C9 Certifier

**ME CPEng NER RPEQ**

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**Premium Consulting Engineers Pty Ltd**



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**Mechanical  
Electrical  
CFD (Computational Fluid Dynamics)**

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