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*Supplementary information to support the planning application for
Corsham House, Corsham.*

1. Premises Information

Corsham House is looking to be a boutique town centre hotel, run by the well known and respected Beckford Group who have a number of outlets, two being in central Bath

Food to be locally sourced classic dishes served within the hotel restaurant

2. Risk Assessment

Dispersion -

As per plan, we suggest discharging with a jet cowl on the rear of the building, this can be adjusted height wise to balance look / desired height for maximum dispersion, with such would score this as good and score 5

Proximity of receptors -

Being city centre the closest sensitive receptor is less than twenty meters away and with such we would score this as high and score 10

Size of kitchen -

As an offering the kitchen use will be moderate and the number of actual covers will be between 30 and 100, with such we would score this as medium and score 5

Cooking type -

With site being more of a restaurant, I would see this falling under the medium Italian / French style and score this as medium with a score of 4 points.

Total score of 24 points

Cont.

3. Plans and Drawings

Please see attached drawings

*Kitchen ventilation and ASHP plant associated with approved hotel at 13 High St Corsham-
SA133 05PL Proposed Roof plan*

SA133 07 PL Proposed sections 6-6, 7-7, 8-8

SA133 09 PL Proposed N (shopping precinct) and S (car park) elevations

4. Extract canopy

Canopy size of 2800mm x 2300mm x 600mm, please see attached kitchen plan drawing



Corsham House
Kitchen September 2

Specific extract flow rate calculated at 0.60 meters cubed per second using the thermal co-efficient method as advised by DW172:2018.

System designed and manufactured to DW/172:2018 'Specification for kitchen ventilation systems.

Fitted with four 495 x 395 x 45mm baffle filters and four 495 x 295 x 45mm baffle filters , giving a face velocity of 0.60 meters cubed per second.

5. Flue design

See attached proposed plans, elevations and sections.



SA133 05 PL, SA133 09 PL, SA133 11 PL

*Full system design is to governing BESA design guidelines DW/172:2018 +
DW144 + TR/19*

Cont.

6. *Noise and Vibration*

Kitchen extract fan to be mounted using AV mounts and flexible couplers, isolating it from the building.

Noise to be dealt with pre and post silencers as per attached specification sheets, giving an overall noise level of below the requested 35db



KP80293 Fresh Air fan.pdf



Systemair MUB_T 062 630D4 Extract fa



Silencer spec sheet extract.pdf



Splitter Fresh Air post fan silencer.pdf



Acoustic lagging.pdf



Room side silencers single din 560mm.pdf

7. *Odour elimination*

UV treatment in the cooker hood with ozone and electrostatic filters in pre fan ductwork.



RY2500B Electrostatic Air Cleaner .pdf



Extechnology - Ozone Filter .pdf

8. *Maintenance*

Kitchen extract clean with TR19 certification will be required in line with insurers requirements, access panels will be fitted as required.