NOTES

Canopy
Stainless steel with three washable grease filters, nominal size 500x250x50, stainless steel mesh construction with handles set in plenum with grease tray. All round condensate channel with drain. Extract face velocity across canopy 0.35 M/S. Canopy size 2000mm x 1200mm.

Katercarb Carbon Filter Unit
Carbon filter dimensions 560Hx1210Wx1050L complete with with 0.3 sec dwell time, high activity carbon cells grade 131.02 selected for its enhanced takeup of cooking odours. Carbon weight loading 120 kg approx, carbon volume 0.26 m^3, carbon cell face area 5.88 m^2. Number of cells 14 at 24"x28"x13/4" nominal. Pressure drop 200 Pa clean, 350 Pa dirty.

Throw away pre filter grade EU3, 5 off and pre grease filters

The filters to be contained in weather proof grey epoxy coated enclosure with side access.

A free life prediction service for the carbon cells is offered to establish a regular cell replacement cycle, as at this stage the life cannot be predicted as dependent of volume and method of cooking.

Extract Fan
Direct drive centrifugal pattern, single phase on AV mounts within casing, duty 0.84 m3/s at 580 Pa.

Fresh Air Fan
Direct drive axial flow pattern, single phase on curb, duty 0.92 m3/s at 100 Pa.

Noise attenuator
Multi pod rectangular noise attenuator to limit exit noise level to NC/NR 35 equal to urban residential, evening use.
Performance as follows: -

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Fan noise	55	77	69	76	79.5	79	74.5	68
Attenuation	8	27	26	42	48	47	46	39
Result	47	50	43	34	31.5	32	28.5	29
NC/NR 35	63	52	45	39	35	32	30	28

Duct exit
Vertical duct exit with termination cone to provide exit velocity of 8 M/S with rainwater drain in base of bend.

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Ductwork

All ductwork in galvanised sheet steel with Mez type joints and square bends with air turns, access doors in ductwork for cleaning

Make up air
Make up air fan to operate in conjunction with canopy extract fan and gas safety control system provided by electrical contractor.

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