4. Extract Ventilation, Odour Control & Fresh Air Ventilation equipment details

Kitchen ventilation system 1 serving ground floor venue

Kitchen Extract Fan system No 1,

will be a RUCK CBF 630/120C-43

Data sheet enclosed, however system pressure estimated at 850pa, and will be re-calculated once final installation drawing completed.

ESP Modules system No 1

4 off Purified Air ESP3000 modules, stacked 2 x high and double pass.

Each ESP3000 module removes 95% of high particulates, (smoke) so a double pass ensures that up to 99.75% of high particulates are removed form the exhaust fume, prior to discharge.

MFU Module system No 1

2 off Purified Air MFU1800 model A1 containing 9 x site safe carbon filter cassettes, each sized at 600mm x 600mm x 200mm, to ensure that all residual odours are removed from the cooking fume, prior to discharge

2 x MFU1800 modules stacked 2 x high.

Fresh air Fan system No 1

Will be NFAN CBF560-43

Data sheet enclosed, however system pressure estimated at 450pa, and will be re-calculated once final installation drawing completed.

Fresh Air Filter Module system No 1

Containing 4 x 600mm x 600mm G4 filter panels

Fresh air Heater system No 1

Duct mounted 650mm x 650mm 54kW with integral controls

Kitchen Ventilation System 2, serving basement and ground floor canopies

Kitchen extract canopies would be manufactured from 20swg 304 grade stainless steel, with a bank of standard baffle grease filters along the rear elevation, and high temperature rated LED lighting at the front.

Kitchen Extract Fan system No 2

Will be a Helios GBD 710/4T 120

Data sheet enclosed, however system pressure estimated at 1010pa, and will be re-calculated once final installation drawing completed.

ESP Modules system No 2

4 off Purified Air ESP4500 modules, stacked 2 x high and double pass.

Each ESP4500 module removes 95% of high particulates, (smoke) so a double pass ensures that up to 99.75% of high particulates are removed form the exhaust fume, prior to discharge.

MFU Module system No 2

2 off Purified Air MFU1800 model A1 containing 9 x site safe carbon filter cassettes, each sized at 600mm x 600mm x 200mm, to ensure that all residual odours are removed from the cooking fume, prior to discharge

2 x MFU1800 modules stacked 2 x high.

Fresh air Fan system No 2

Will be NFAN CBF560-43

Data sheet enclosed, however system pressure estimated at 500pa, and will be re-calculated once final installation drawing completed.

Fresh Air Filter Module system No 2

Containing 4 off 600mm x 600mm G4 filter panels

Fresh Air Heater system No 2

Duct mounted 700mm x 700mm 63kW with integral controls

All Sound attenuators will as manufactured by Northern Fans Ltd, and will be the high temperature rated,