

# **1. Specification**

**Name:** 100 Lansbury Drive  
**Address:** Hayes  
Hillingdon  
UB4 8SE

**Dear Sir,**

**Re: Proposed Extract and Supply Ventilation for the above property**

We can now confirm the design and specification for the extract and supply system at the above address in accordance with Specifications DW144 & DW172 specifications.

Kitchen Extract Canopy will incorporate the design parameters below.

The wall mounted canopy would be manufactured from 304/430 grade, brushed stainless steel sheet of a hip design, measuring 3600mm (long) x 1200 mm (wide) x 500 mm (deep). Incorporated within the canopy would be a full length purpose built filter housing to accommodate 8 off, 500mm (wide) x 400mm (high) x 50mm (deep) stainless steel grease block baffle type filters. An internal full length supply plenum will provide fresh air into the kitchen via 2 No 1200x250 double deflection grilles.

## **Supply & Extract Ductwork**

All ductwork to and from the kitchen shall be manufactured from galvanized mild steel sheet of a folded lock-formed and flange construction in accordance with DW144 and DW172 specification. Ductwork within the kitchen shall be made from 430 grade stainless steel.

Fresh air shall be introduced into the kitchen via a supply fan mounted on the low level roof and incorporate an external louvre, fresh air filter, and silencers

The extract ductwork will connect to the canopy and run to high level and discharge to atmosphere. The duct shall incorporate a fan motor, silencers and odour control. At high level the duct is to reduce in size to give an efflux velocity of 15m/s. Access doors shall be installed where required and at a maximum of 3 meter centres for ease of maintenance and cleaning all as shown on drawing EQ1408-169-01 rev A.

## **Extract Fan Details**

Located within the ductwork is a Solar and Palau 500 diameter contra rotating fan handling 1.8m<sup>3</sup>/s and 400pa see details attached.

## **Supply Fan Details**

Located within the ductwork is a Solar and Palau 450 diameter contra rotating fan handling 1.54m<sup>3</sup>/s and 250pa see details attached.