



### T0064-A-00-DP-A -002 Existing Plans Clients Drawing

**CANOPY INFORMATION**

EXTRACT ONLY CANOPY  
2510 X 1490 X 500 TO 150  
2000 UNDERSIDE OF CANOPY FROM  
FINISHED FLOOR LEVEL.  
EXTRACT FLOW RATE 0.73 M<sup>3</sup>/S AT 190 PA  
SUPPLY FLOW RATE 0.62 M<sup>3</sup>/S NOT FROM  
CANOPY  
1 EXTRACT SPIGOT @ 325x325  
SPIGOT IS 500MM TALL WITH 20M EZ  
CONNECTION  
SPIGOTS FIXED IN FACTORY- YES  
NUMBER OF BAFFLE FILTERS- 6  
MULTIION SIZES- 595  
LIGHTING- 1 OFF 4 FOOT LED LIGHTS.  
EACH LED LIGHT REQUIRES 240V SUPPLY  
AND WILL BE SUPPLIED WITH A 1.5M TAIL  
FINAL CONNECTION OF CANOPY LIGHTS TO  
LIGHTING CIRCUIT TO BE DONE BY  
ELECTRICAL CONTRACTOR 240V REQUIRED.  
CLADDING- TO REAR ONLY  
INFILLS- ND  
CANOPY APPROVED- YES...../ND.....  
COMMENTS.....  
STONED.....  
DATE.....

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ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED  
BS6173 was introduced in May 2001. It is a standard requirement to have the extract and supply fans interlocked with the gas valve where gas appliances are installed within the kitchen.

**FAN AND FILTER INFORMATION**

EXTRACT	SUPPLY
FAN 03A9/4-4000/400ND	FAN 03B9/4-315/H
0.55 kW	0.7 A
2.3 A	0.7 A
NOISE LEVEL AT 1M 54 DBA	NOISE LEVEL AT 1M 55 DBA
CANOPY FILTERS STAINLESS BAFFLE FILTERS 398 X 398 X 45	PRE FILTERS HEVAC PLEATED PANEL FILTERS SIZE

**CONTROL PANEL INFORMATION**

SUPPLY REQUIRED ENCLOSURE DIMENSIONS  
STEEL CONSTRUCTED ENCLOSURE WITH GRAY TEXTURED POLYESTER POWDER PAINT AND 0.2Z ENDOUSURE GATE  
RATED AND FITTED WITH LOCKABLE DOOR.  
DUCTWORK CONSTRUCTED FROM GALVANIZED STEEL IN ACCORDANCE WITH DW144 WHERE POSSIBLE. DOBY TYPE FLANGES ARE USED AT ALL JOINTS UNLESS OTHERWISE STATED. WHERE DUCTING BREAKS FARE COMPARTMENTATION FIRE RATED DUCTWORK MUST BE USED. FIRE DAMPERS MUST NOT BE USED. FIRE ON EXTRACT.

**SUPPLY AIR**

IF NOT INCLUDED WITHIN THE KITCHEN VENTILATION PACKAGE, TO BE PROVIDED BY OTHERS. TO ACHIEVE ADEQUATE COMBUSTION AIR IN ACCORDANCE WITH GAS SAFE. REQUIREMENTS. GAS APPLIANCES LIKE HEATING BOILERS LOCATED IN THE KITCHEN VICINITY ARE TO BE ISOLATED FROM THE KITCHENS NEGATIVE AIR PRESSURE BY OTHERS.

**CANOPY**

CANOPY CONSTRUCTED FROM 0.9MM 304 GRADE STAINLESS STEEL. COMPLETE WITH BAFFLE FILTERS AND FITTED WITH 1.5M TAIL. ALL DUCTWORK MUST BE SEALD WITH FOOD GRADE SILICONE. ALL BUILDERS WORK OPENINGS TO BE FORCED PRIOR TO INSTALLATION. SUSPENDED CEILING WHERE FITTED TO BE INSTALLED FOLLOWING CANOPY INSTALLATION

- ALL OPENINGS TO BE FORMED BY MAIN CONTRACTOR INCLUDING ALL BUILDERS WORKS FOR VENTILATION SYSTEMS
- MAIN CONTRACTOR TO ENSURE THE REAR WALL OF THE COOK LINE EQUIPMENT IS CLEAR OF ALL LOOSE PLASTER WORK, TIMBER, TILES AND SERVICES TO EMBLE STAINLESS STEEL WALL
- WALLS TO THE REAR OF COOK LINES TO BE OF A NON-COMBUSTIBLE/FIRE RATED MATERIAL PRIOR TO STAINLESS STEEL WALL CLADDING BEING FITTED
- ALL EXISTING CANOPES AND DUCTING NOT TO BE REUSED ARE TO BE STRIPPED OUT BY OTHERS OR LTS CAN PROVIDE THIS SERVICE
- HARDWARE FOR THE REAR OF THE CANOPY TO PROVIDE & FIT ALL FLASHING & SEALING MATERIALS FOR DUCTING
- POWER SUPPLY TO INTERLOCK PANEL TO BE PROVIDED BY MAIN CONTRACTOR. LTS TO WIRE FANS, SUPPLY AND INSTALL INTERLOCK PANEL
- WHERE ANY APPLANCE IS SHOWN THAT IS NOT UNDERNEATH A CANOPY, ROOM VENTILATION IS TO BE CALCULATED AND INSTALLED TO THESE AREAS

Rev/No	Revision note	Date	Signature	Check
A	PRELIMINARY ISSUE FOR APPROVAL	26/01/2016	CDU/JAC	
B	VERTICAL STACK REVISED	23/03/2016	CDU	

### CANOPY AIRFLOW CALCS

LTS Thermal Convection Airflow Calculation Results				
Project	11 Warren Street		Date	22/01/2016
Ref:	T0064-A-PE 002		Model	WALL
Canopy ref	Pin	Pin	H Elec	H Gas
Description	Area	Area	Coef	Coef
Q <sub>air</sub>	Q <sub>air</sub>	Q <sub>air</sub>	Q <sub>air</sub>	Q <sub>air</sub>
Case	500	500	0.30	0.30
Gas	0.30	0.30	0.2417	0.0000
Berch	260	600	0.1560	0.30
4 Ring Induction	750	600	0.4500	0.0000
	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
Extract Volume with Gas Safe	0.321 m <sup>3</sup> /s			
Supply Volume with Gas Safe	0.621 m <sup>3</sup> /s			
		0.48978	0.00	2076 safety factor
Canopy Factor	1.25	Total m <sup>3</sup> /s	0.61	



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Client: CKD  
Project: 11 WARREN STREET

LAYOUT

Title	Scale	Drawn	Date	Drawing Number	Revision
VARIOUS	CDU/JAC	26/01/2016	7567	B	