FAN / EQUIPMENT SCHEDULE:

FAN REF:	AREA	MANUFACTURER / MODEL	ANTICIPATED AIR FLOW RATE	Weight /kg	ANTICIPATED PRESSURE DROP	POWER	SFP (kW/m³/s)	Acoustics Total (dBA)
F1	ROOF	SYSTEM AIR MUB T 062 630 DE IE2 KITCHEN EXTRACT	3.6m³/s EXTRACT	170	450Pa	400V 3PH 8.12 A	1.39	74 @ 3M
F2	ROOF	SYSTEM AIR 062 630 DE IE2 KITCHEN SUPPLY	3.1m³/s SUPPLY	105	450Pa	400V 3PH 6.2 A	1.42	62 @ 4M
FIL	ROOF	INSTALL NEW G4 PANEL FILTERS TO SUPPLY INLET	1.55m² @ 2m/s	1.5Kg / FILTER	100Pa	NA	NA	NA
CAN	KITCHEN	CANOPY No. 495x495x46D BAFFLE FILTERS	3.6m³/s	400kg	250Pa	NA	NA	NA
HTR	ROOF	80kW HEATER WITH WATER PROOF COVER ELECTRIC OR GAS FIRED	3.1m³/s	50 kg ELEC 300kg GAS	15Pa	400V 3PH	NA	NA

SOUND PRESSURE LEVELS KITCHEN EXTRACT AIR dB(A) LwA

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
Inlet	-	70	73	77	76	74	71	60	82
Outlet	-	71	73	83	84	81	73	63	88
Surrounding	-	67	68	58	56	53	48	41	71

SOUND PRESSURE LEVELS KITCHEN SUPPLY AIR dB(A) LwA

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
Inlet	-	72	73	76	75	75	72	66	82
Outlet	-	77	81	82	82	80	75	68	88
Surrounding	-	68	57	57	56	54	50	44	71

NOTES:

KITCHEN EXTRACT AND SUPPLY VENTILATION SYSTEM TO BE INSTALLED AND COMMISSIONED IN LINE WITH DW172.

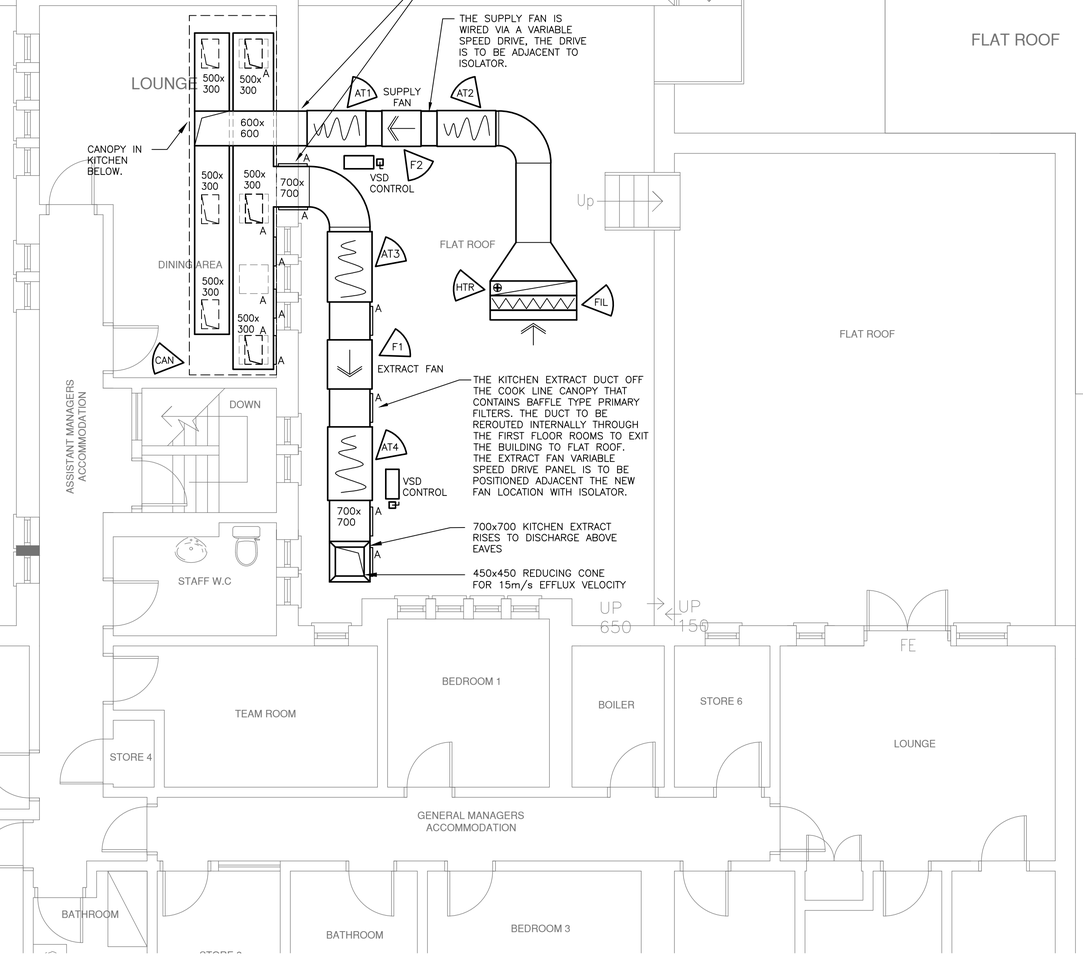
EXTRACT AIR FLOW RATES ARE TO BE COMMISSIONED IN ACCORDANCE WITH DW172 METHOD 1 CALCULATION.

SUPPLY AIR FLOW RATES ARE TO BE SET AT 85% OF THE EXTRACT RATE.

THE EXTRACT DUCT SYSTEM IS TO HAVE ACCESS AT 1.5M CENTRES AS AN IMPROVEMENT ON DW172 STANDARDS.

THE KITCHEN VENTILATION SYSTEM IS STAFF OPERATED BEING MANUALLY TURNED OFF AT NIGHT AND MANUALLY STARTED IN THE MORNING.

ALL KITCHEN SUPPLY DUCTWORK TO BE INSULATED WITH 50mm THICK INSULATION. ALL EXTERNAL SUPPLY DUCTWORK INSULATION TO BE FINISHED WITH WHITE VENTURECLAD COVER.



LEGEND	
Symbol	Description
	EXISTING DUCTWORK
	NEW DUCTWORK (RECTANGULAR)
	DUCTWORK AT HIGH LEVEL (RECTANGULAR)
	DUCTWORK IN CEILING VOID (RECTANGULAR)
	CIRCULAR DUCTWORK
VCD	VOLUME CONTROL DAMPER (RECTANGULAR)
VCD	VOLUME CONTROL DAMPER (CIRCULAR)
FD	FIRE DAMPER INCLUDING FRAME
A	ACCESS HATCH
	DUCT TO/FROM ABOVE
	DUCT TO/FROM BELOW
CAN	WEDGE REFERENCE SEE B2793–ME21 FOR EQUIPMENT DETAILS

THIS DRAWING TO BE READ IN CONJUNCTION WITH;

THE MECHANICAL AND ELECTRICAL SERVICES SPECIFICATIONS INCLUDING MICTHELL'S AND BUTLERS KITCHEN STANDARD VENTILATION POLICY.

SPACE GROUP KITCHEN LAYOUT DRAWING/DETAILS.

ALL DESIGN COALITION DRAWINGS.

ALL STRUCTURAL ENGINEERS DRAWINGS.

THE INSTALLATION TO COMPLY WITH RELEVANT BRITISH STANDARDS & LOCAL REGULATIONS.

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A	18.06.19	AL	PLANNING ISSUE

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SCUNTHORPE

Architect:
DESIGN COALITION

Drawing Title:
KITCHEN VENTILATION

Drawing No: B3380/ME1
Issue: A
Scale: 1:50 @ A1
Date: JUN 2019