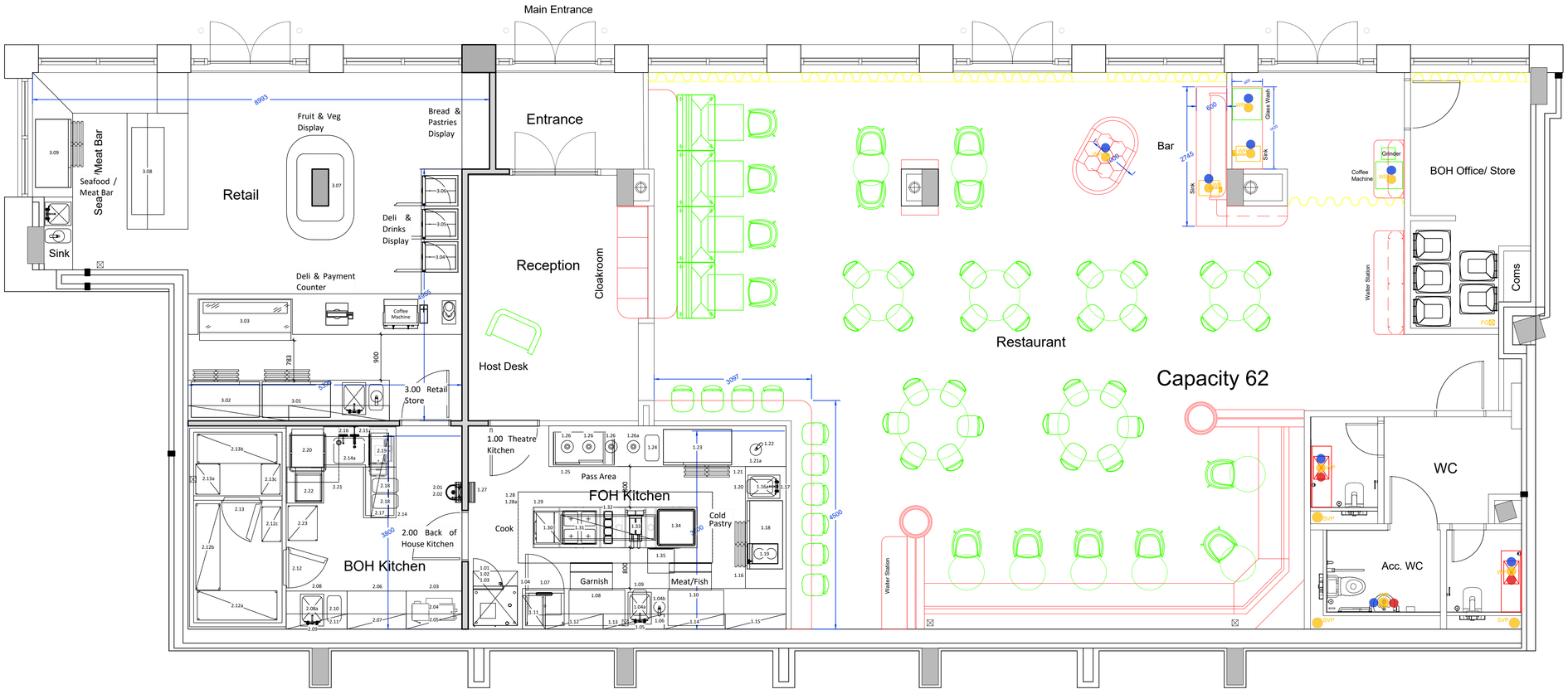
DO NOT SCALE

ALL DIMENSIONS TO BE CHECKED ON SITE



GENERAL NOTES:

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Kitchen extract ductwork to have access panels every 3mtrs & change in direction. Kitchen supply ductwork every 10mtrs & change in direction where practical

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REVISION NOTES:

REV	DATE	REVISION

REAL VENTILATION

The Gatehouse, Gatehouse Way, Aylesbury, Buckinghamshire, HP19 8DB
Email: info@rcks.co.uk - Web: www.rcks.co.uk
Phone: +44 (0)1296 767277

CLIENT: OSMA

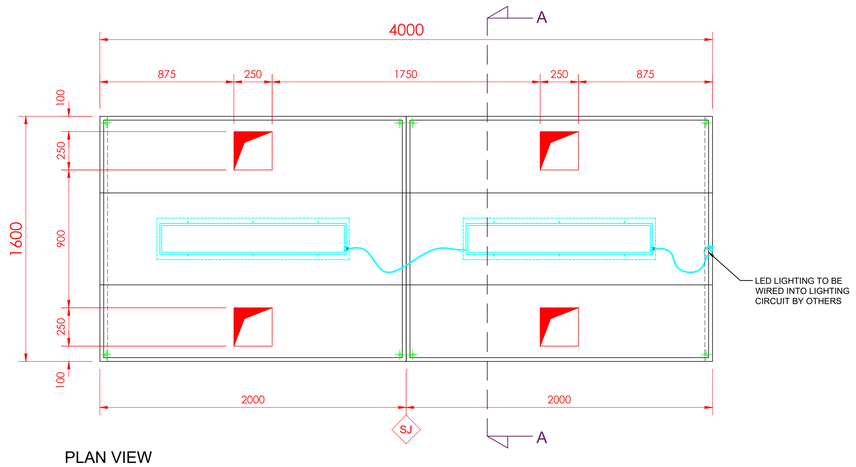
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SCALE: 1:50	PAPER SIZE: A1
DATE: 19-06-26	DRAWN BY: AD
DRAWING NUMBER: 1298-1125-01	REV: 0

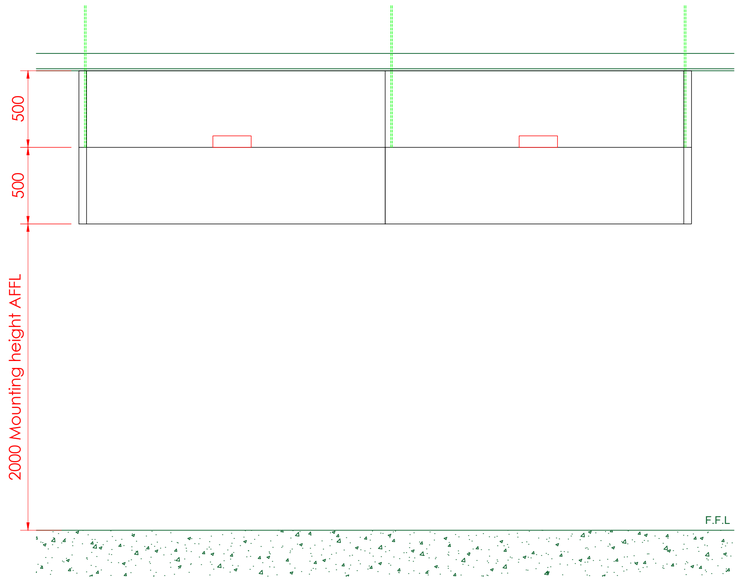
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	SUPPLY AIR DUCT
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[AP]	ACCESS PANEL
	REQUIRED ACCESS

DO NOT SCALE

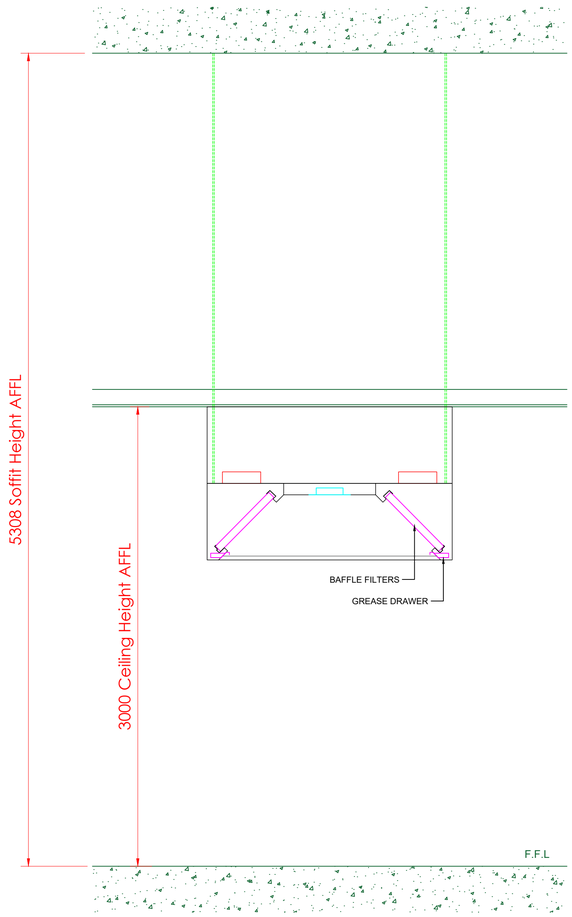
ALL DIMENSIONS TO BE CHECKED ON SITE



PLAN VIEW



FRONT ELEVATION



SECTION A-A

Main Canopy

Size:	4000(L) x 1600(D) x 500(H)mm
Materials:	1.2 & 0.9 304 S/S
Filters:	8no. 400(L)x500(H)x45(D)mm Baffles
Weight:	Est. 300kg

Extract Details

Extract Flow Rate:	1.35 m³/s
Static Pressure at Extract Spigots:	100 Pascals
Extract Spigots:	4no. 250x250mm
Extract Fan:	SQUHT67/450-EC-3
Power Supply:	400V / 3~ / 50Hz
Input kW:	1.617kW
Full Load Current:	3.74 Amps
Fan Weight:	70kg

Supply Details

Supply Flow Rate:	1.15 m³/s
Supply Fan:	SQUHT67/450-EC-3
Power Supply:	400V / 3~ / 50Hz
Input kW:	1.617kW
Full Load Current:	3.74 Amps
Fan Weight:	70kg

UVO500 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	120W
Weight:	10.5kg

1no. ESP3000 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	30W
Weight:	85kg

Heater Battery

22kW Electric Heater Battery 30A - Optional

GENERAL NOTES:

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Kitchen supply ductwork every 10mtrs & change in direction where practical

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REV	DATE	REVISION

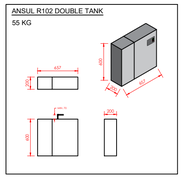
REAL VENTILATION
The Gatehouse, Gatehouse Way, Aylesbury, Buckinghamshire, HP19 8DB
Email: info@rcks.co.uk - Web: www.rcks.co.uk
Phone: +44 (0)1296 767277

CLIENT: OSMA

TITLE: OSMA KITCHEN VENTILATION PROPOSED KITCHEN CANOPY

SCALE: 1:20	PAPER SIZE: A1
DATE: 19-06-26	DRAWN BY: AD
DRAWING NUMBER: 1298-1125-02	REV: 0

KEY:	
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	SUPPLY AIR DUCT
	ELECTRICAL
	STRUCTURAL POINTS
[AP]	ACCESS PANEL
	REQUIRED ACCESS



DO NOT SCALE

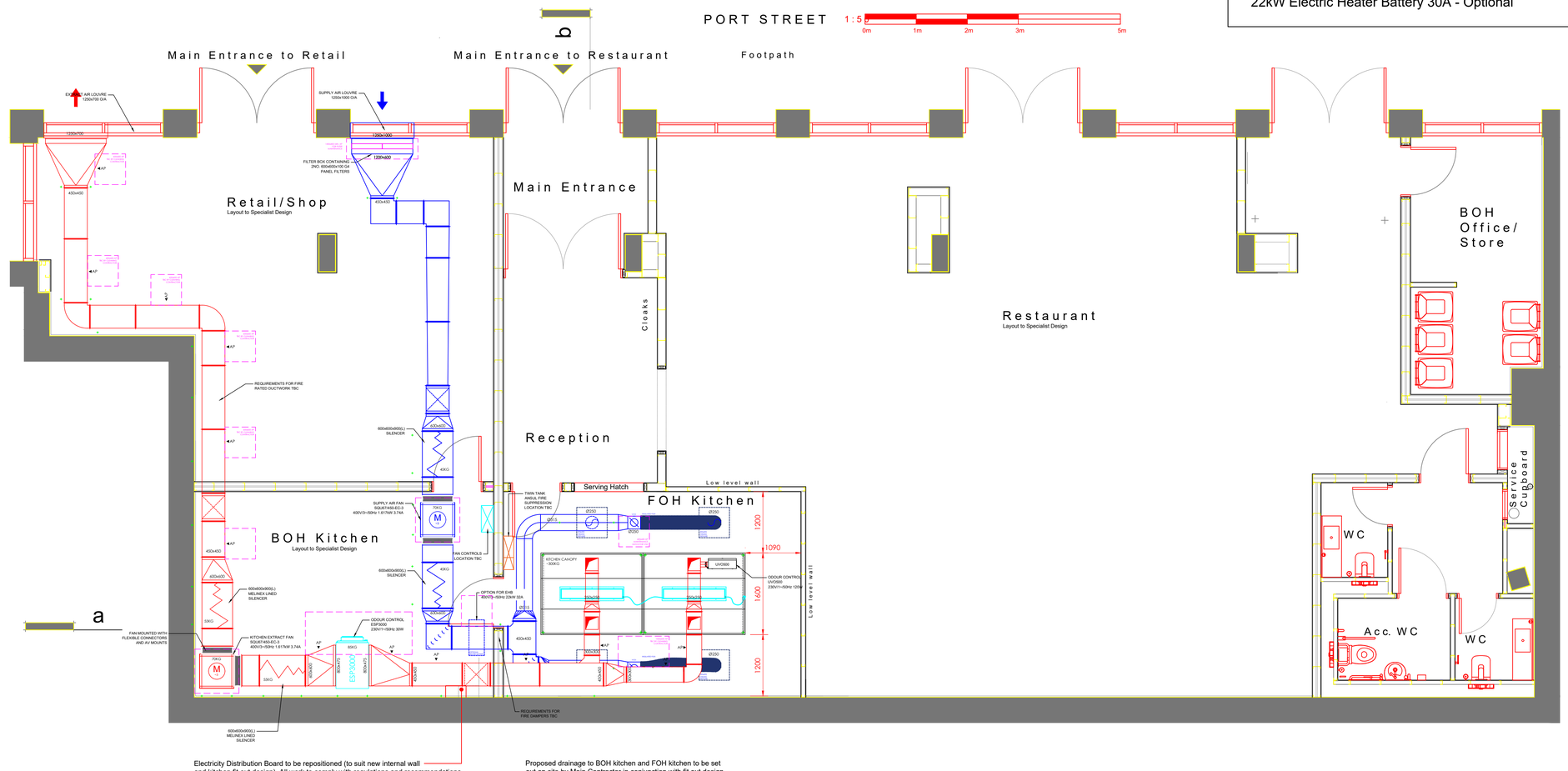
ALL DIMENSIONS TO BE CHECKED ON SITE

FAN DATA

Product Code	Control Voltage	Speed r/min	Airflow SFP	Airflow m³/s@ Static Pressure Pa												At Best Efficiency Point			Electrical Data	dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500	Overall Eff%	FMEG N	Input kW	Peak Amps		
SQU67/450-EC-3(90)	10V	1805	m³ / s	2.135	2.115	2.093	2.069	2.043	1.985	1.921	1.856	1.793	1.733	1.676	1.569	65.4	-	1.617	3.74	Inlet	62
			W / (L/s)	0.52	0.53	0.54	0.56	0.57	0.61	0.66	0.71	0.76	0.81	0.86	0.97					Outlet	65
																				Breakout	52
	7.5V	1290	m³ / s	1.528	1.479	1.436	1.396	1.358	1.286	1.215	1.142	1.065	0.980	0.878	-	65.3		0.594	1.65	Inlet	54
			W / (L/s)	0.27	0.29	0.31	0.33	0.35	0.39	0.44	0.48	0.54	0.60	0.68	-					Outlet	57
																				Breakout	44
	5V	790	m³ / s	0.922	0.861	0.803	0.746	0.664	0.522	-	-	-	-	-	-	58.5		0.154	0.51	Inlet	42
			W / (L/s)	0.12	0.14	0.16	0.18	0.21	0.30	-	-	-	-	-	-					Outlet	45
																				Breakout	33

SILENCER DATA

Product Code	Length (mm)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
R02 - 4 - 600	600	5	8	12	23	30	30	23	18
R02 - 4 - 900	900	6	10	16	30	37	37	30	24



Main Canopy

Size:	4000(L) x 1600(D) x 500(H)mm
Materials:	1.2 & 0.9 304 S/S
Filters:	8no. 400(L)x500(H)x45(D)mm Baffles
Weight:	Est. 300kg

Extract Details

Extract Flow Rate:	1.35 m³/s
Static Pressure at Extract Spigots:	100 Pascals
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Power Supply:	400V / 3~ / 50Hz
Input kW:	1.617kW
Full Load Current:	3.74 Amps
Fan Weight:	70kg

UVO500 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	120W
Weight:	10.5kg

1no. ESP3000 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	30W
Weight:	85kg

Heater Battery

22kW Electric Heater Battery 30A - Optional

GENERAL NOTES:

All dimensions in mm unless otherwise stated. Products supplied with fine plastic coating must be removed prior to use

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Kitchen extract ductwork to have access panels every 3mtrs & change in direction. Kitchen supply ductwork every 10mtrs & change in direction where practical

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REVISION NOTES:

REV	DATE	REVISION

REAL VENTILATION
The Gatehouse, Gatehouse Way, Aylesbury, Buckinghamshire, HP19 8DB
Email: info@rcks.co.uk - Web: www.rcks.co.uk
Phone: +44 (0)1296 767277

CLIENT: OSMA

TITLE: OSMA KITCHEN VENTILATION
KITCHEN VENTILATION PLAN

SCALE:	1:50	PAPER SIZE:	A1
DATE:	19-06-26	DRAWN BY:	AD
DRAWING NUMBER:	1298-1125-04	REV:	C

KEY:	
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	SUPPLY AIR DUCT
	ELECTRICAL
	STRUCTURAL POINTS
[AP]	ACCESS PANEL
	REQUIRED ACCESS

DO NOT SCALE

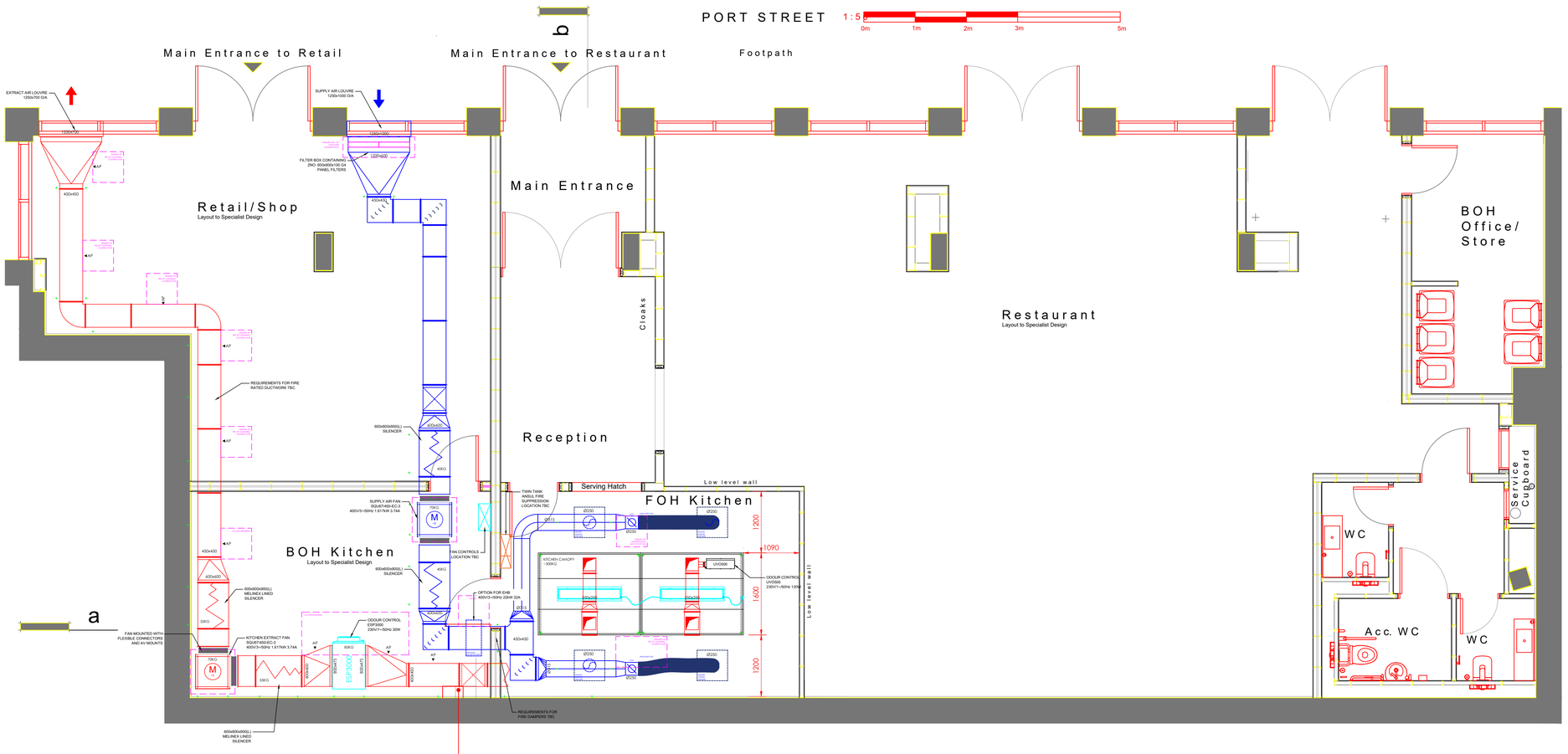
ALL DIMENSIONS TO BE CHECKED ON SITE

FAN DATA

Product Code	Control Voltage	Speed r/min	Airflow SFP	Airflow m³/s@ Static Pressure Pa												At Best Efficiency Point			Electrical Data	dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500	Overall Eff%	FMEG N	Input kW	Peak Amps		
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Materials:	1.2 & 0.9 304 S/S
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Fan Weight:	70kg

UVO500 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	120W
Weight:	10.5kg

1no. ESP3000 Odour Control

Power Supply:	220-240V / 1~ / 50Hz
Power Requirements:	30W
Weight:	85kg

Heater Battery

22kW Electric Heater Battery 30A - Optional

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REVISION NOTES:

REV	DATE	REVISION

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CLIENT: OSMA

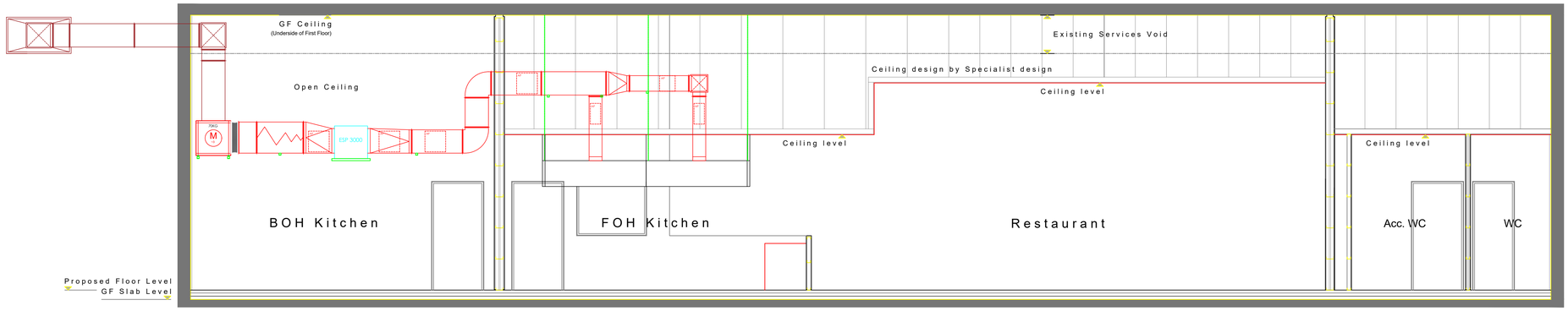
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KITCHEN VENTILATION PLAN
SUPPLY AIR

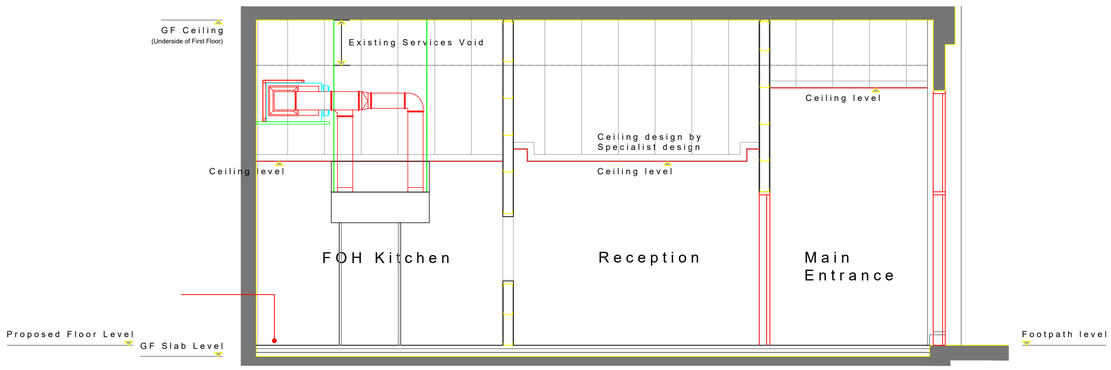
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DRAWING NUMBER: 1298-1125-05	REV: C

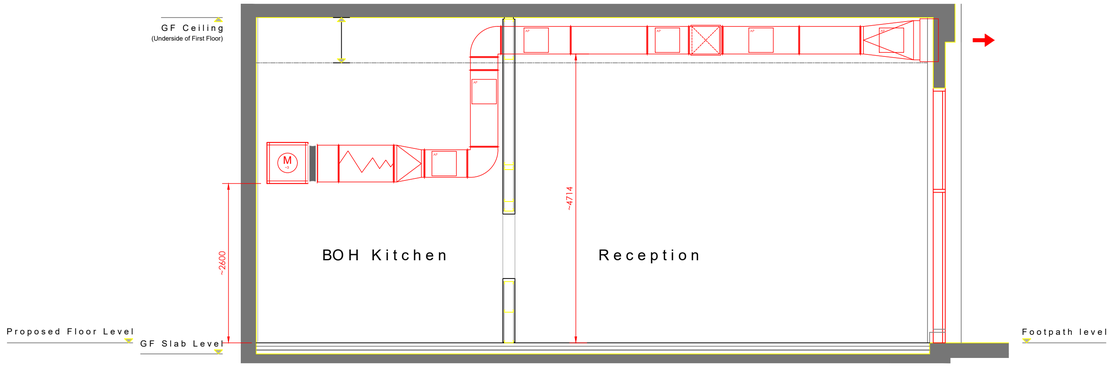
KEY:	
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	SUPPLY AIR DUCT
	ELECTRICAL
	STRUCTURAL POINTS
[AP]	ACCESS PANEL
	REQUIRED ACCESS

DO NOT SCALE

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Main Canopy

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REVISION NOTES:

REV	DATE	REVISION

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CLIENT: OSMA

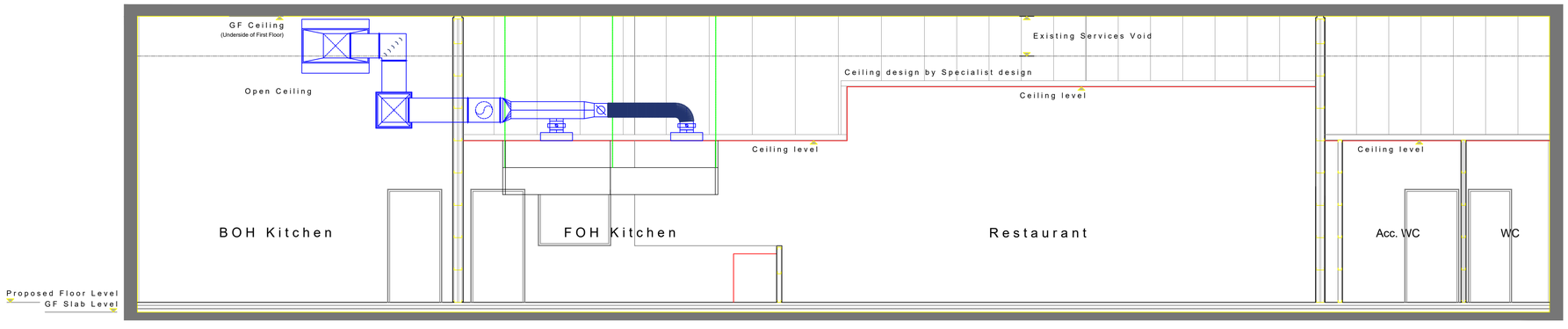
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KITCHEN EXTRACT ELEVATIONS

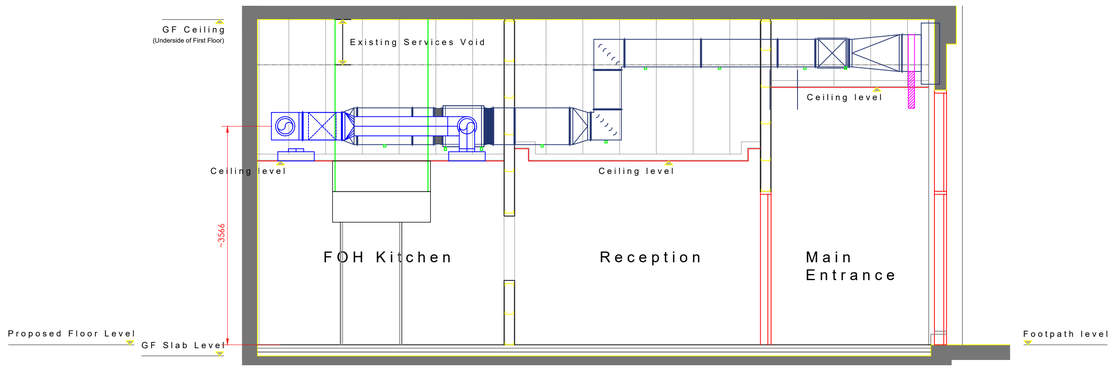
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DATE: 19-06-26	DRAWN BY: AD
DRAWING NUMBER: 1298-1125-06	REV: C

KEY:	
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	SUPPLY AIR DUCT
	ELECTRICAL
	STRUCTURAL POINTS
[AP]	ACCESS PANEL
	REQUIRED ACCESS

DO NOT SCALE

ALL DIMENSIONS TO BE CHECKED ON SITE





Main Canopy

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specific exclusions will be working above 4m and any powered access/lifting machinery.

The Canopy: is designed to extract cooking appliances below only, additional ventilation in kitchen may be required by others.

Ductwork: to be manufactured & installed in accordance with DW144 & DW172. Cleaning access to be in accordance with DW144 & DW172.
Kitchen extract ductwork to have access panels every 3mtrs & change in direction. Kitchen supply ductwork every 10mtrs & change in direction where practical

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REVISION NOTES:

REV	DATE	REVISION

REAL VENTILATION
The Gatehouse, Gatehouse Way, Aylesbury, Buckinghamshire, HP19 8DB
Email: info@rcks.co.uk - Web: www.rcks.co.uk
Phone: +44 (0)1296 767277

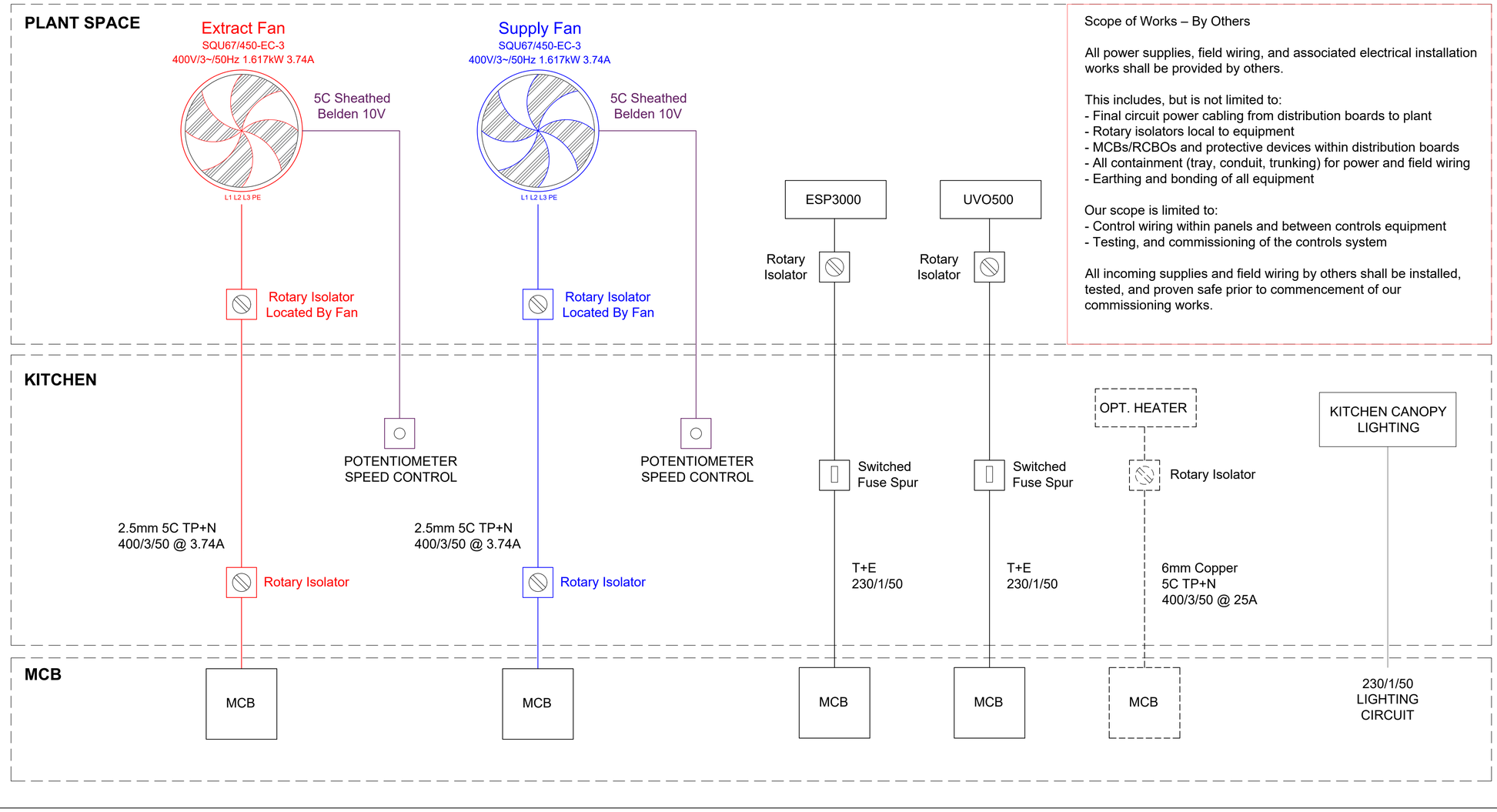
CLIENT: OSMA

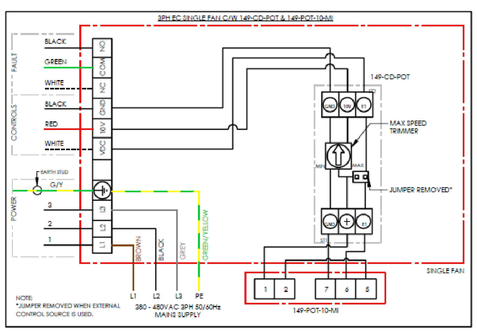
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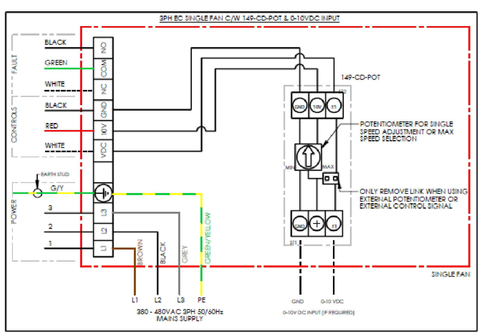
SCALE: 1:50	PAPER SIZE: A1
DATE: 19-06-26	DRAWN BY: AD
DRAWING NUMBER: 1298-1125-07	REV: C

Ventilation Wiring Details

T+E	Twin + Earth Cable
5C TP+N	5 Core 3 Phase + Neutral







CONTROL CABLE LENGTHS

Control Type	Max. Length
VDC (voltage control)	30m

Tag	Purpose	Description
L1	Phase 1	Line 1, Power Supply
L2	Phase 2	Line 2, Power Supply
L3	Phase 3	Line 3, Power Supply
⏚	Protective Earth	Protective earth from power supply
VDC	DC Voltage [2-10V]	DC control voltage input (2 to 10VDC input)
10V	10VDC output	10VDC source output
GND	DC Ground	DC Ground
NC	Normally Closed	Normally closed contact Will open between NC and COM in fault condition
COM	Common	Common for fault contacts
NO	Normally Open	Normally open contact Will close between NO and COM in fault condition

GENERAL NOTES:

All dimensions in mm unless otherwise stated. Products supplied with fine plastic coating must be removed prior to use

Finishing: All products will be manufactured true & square, any discrepancy between assembled products & out of square / level walls or ceiling is to be made good by others.

Materials: All visible surfaces are to be from 20 gauge fine grain brush polished stainless steel sheet. Canopies type 304, SDU type 430 and wall cladding type 430. Non visible surfaces are to be from other stainless steel

Fixing points: Our customer must ensure the building structure is capable of safely supporting the weight of the product (either displayed on this drawing or available on request)

Radiant Heat: Although they will have some effect, kitchen canopies and ventilated ceilings are not designed to control ambient temperatures within a kitchen. Extremes of heat gain (specifically from high radiant heat output equipment) and heat loss, must be allowed for in the design of heating & cooling plant by others.

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CLIENT: OSMA

TITLE: OSMA KITCHEN VENTILATION WIRING DIAGRAMS

SCALE: NTS	PAPER SIZE: A1
DATE: 19-06-26	DRAWN BY: AD
DRAWING NUMBER: 1298-1125-08	REV: 0