equlpment schedule

revision	1053-200	**client**	tom barnes	**total hvac**	117
date	07/07/2023	**site**	skof	**total TFP panel**	117

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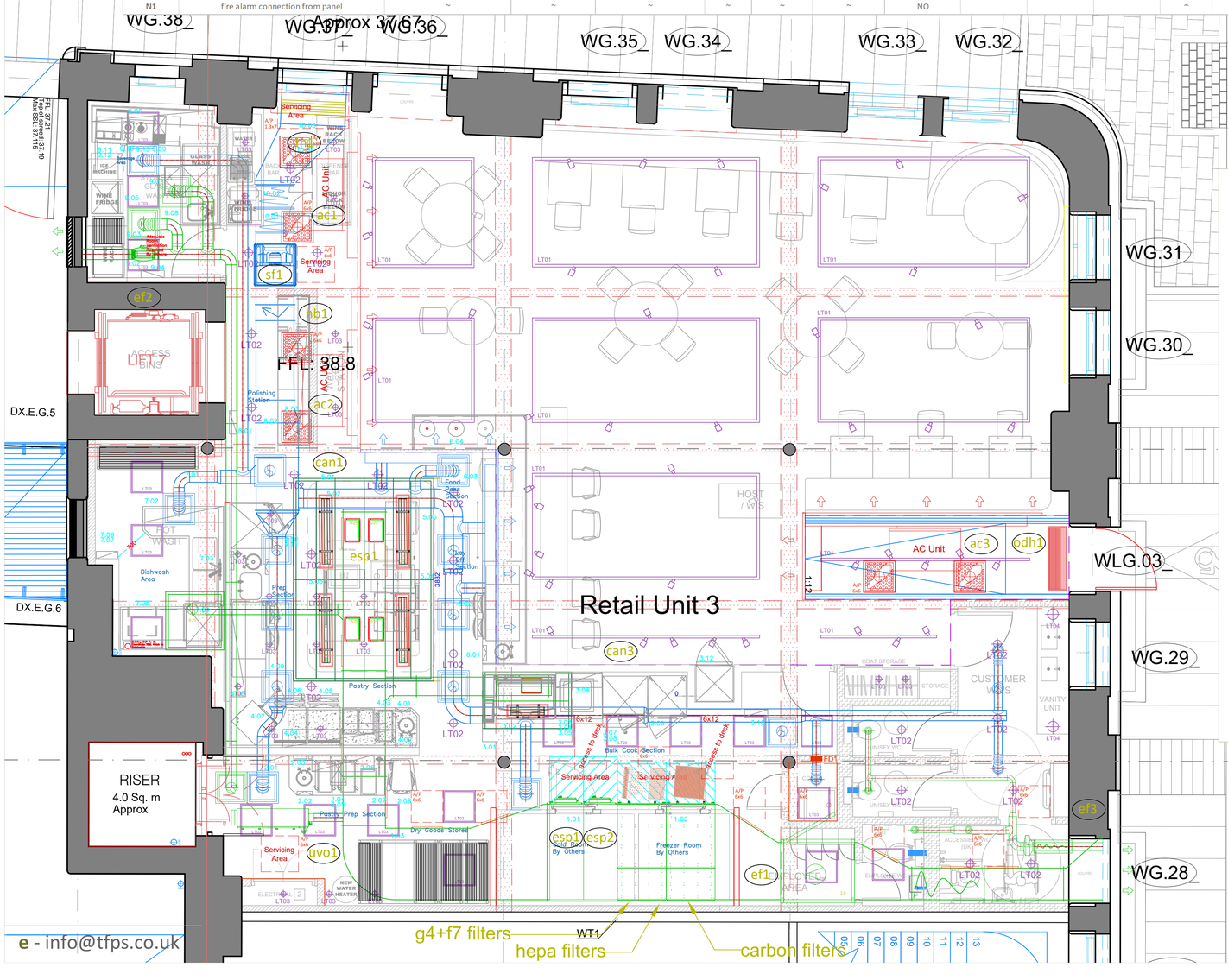
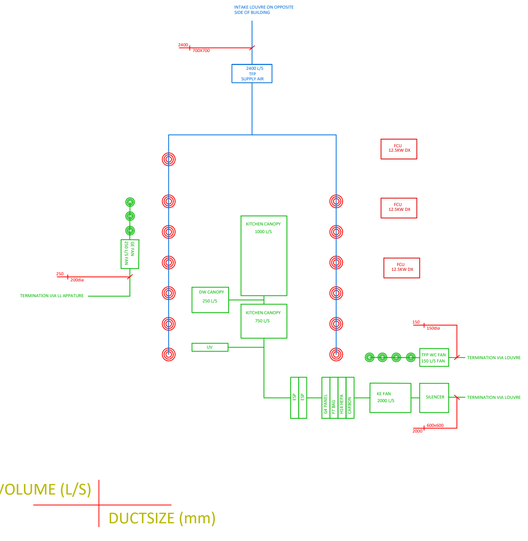
item	description	model	location	size	weight	noise	power supply	fed from panel	110 L1	117 L2	107 L3	power	duty	RAL colour grilles + facias	notes	comment
			floor - room	height x width x depth	kg	dB(A) @ 3m dB(A) @ 1m*	V/ph/Hz	yes to all	A	A	A	kW	kW or m3/s	AC facia RAL colours	AC ports - FS	general
ODH1	over door heater	C1500ER	lobby	1630x301x206	28	54	415/3/50		16.6	16.6	16.6	12	12			
EF1	kitchen extract fan	woods	plant deck	1176 x 1200 x 1400	350	54	415/3/50		16	16	16	11	2 @ 1250			
EF2	general extract	TD-1000/200 SILENT 3V	glass wash	568x327x200dia	8.7	27	230/1/50			2.7		~	0.27 @ 100			
EF3	wc extract	K150	dda	336x231x150dia	2.4	48	230/1/50		0.2			~	0.14 @ 100			
ESP1	esp	6000	plant deck	630 x 1850 x 640	118	~	230/1/50			3			3			
ESP2	esp	6000	plant deck	630 x 1850 x 640	118	~	230/1/50		3				3			
UVO1	uvo	uvo-1000	kitchen	1584 x 254 x 358	32	~	230/1/50			5						
SF1	supply fan	80-630-3-4	back bar	800 x 800 x800	105	53	415/3/50		8	8	8	4	3 @ 400			
FH1	supply filter housing	9x12x6-B	back bar	900x1200x600	12	~	~					~	3			
HB1	electric heater battery	36kw	back bar	800x800x300	25	~	415/3/50		50	50	50	36	36			
CU1	ducted fcu - condenser	RAV-GM1101ATP-E	roof	890 x 900 x 320	68	57	**230/1/50**		16			~	11			FUSE 20
AC1	ducted fan coil unit	RAV-HM1101BTP-E	restaurant	275 X 1400 X 750	40	40	CU1					~	11			
CU2	ducted fcu - condenser	RAV-GM1101ATP-E	roof	890 x 900 x 320	68	57	**230/1/50**			16		~	11			FUSE 20
AC2	ducted fan coil unit	RAV-HM1101BTP-E	restaurant	275 X 1400 X 750	40	40	CU1					~	11			
CU3	ducted fcu - condenser	RAV-GM1101ATP-E	roof	890 x 900 x 320	68	57	**230/1/50**				16	~	11			FUSE 20
AC3	ducted fan coil unit	RAV-HM1101BTP-E	restaurant	275 X 1400 X 750	40	40	CU1					~	11			
CAN1	canopy island	3800 x 2650 x 400	kitchen	3800 x 2650 x 400	570	~	230/1/50	NO				~	~			2 x 13amp connections - lighting
CAN3	wall canopy	1200 x 1100 x 400	kitchen	1700 x 1300 x 400	90	~	230/1/50	NO				~	~			2 x 13amp connections - lighting
PAN1	control panel	800/300	boh	1200x800x300	40	~	415/3/50	NO				~	~			M/C SUPPLY
N1	fire alarm connection from panel	~	~	~	~	~	~	NO				~	~			adaptable box anove hvac panel



VENTILATION SCHEMATIC - FLOW RATES



Specific Extract Flow Rate Calculation Sheet

Based on the THERMAL CONVECTION METHOD as recommended in HVCA Specification DW/172:2018

Site:	SKOF MANCHESTER	For:	TOM BARNES
Floor Level:	1	Job No.:	1053-200
Area:	GROUND FLOOR KITCHEN	Client Drg No.:	#
Canopy / Ceiling Ref:	ISLAND CANOPY	Date:	29/02/2024
Canopy Type:	10 OFF Wall-Type, Island Mounted (open both ends)	Assessed By:	EF

Item	Cooking Equipment	Power	Plan Size X(m)	Plan Size Y(m)	DW172 SEPR Method Area (m²)	DW172 SEPR Method TCC (m³s/m²)	DW172 SEPR Method Flow Rate (m³/s)
	Induction Griddle, Electric	Electric	0.77	0.36	0.2772	0.27	0.07
	Induction Griddle, Electric	Electric	0.77	0.36	0.2772	0.27	0.07
	Induction Griddle, Electric	Electric	0.44	0.60	0.264	0.27	0.07
	Induction Griddle, Electric	Electric	0.44	0.60	0.264	0.27	0.07
	Induction Hob / Ceramic Stove, Electric	Electric	0.75	0.72	0.54	0.20	0.11
	Salamander Grill, Electric	Electric	0.60	0.54	0.324	0.55	0.18

REF	F-09	Theoretical Flow Rate:	0.98 m3/s
Issue Date:	10/05/2018	X Factor for Canopy / Ceiling Type:	1.50
Revision:	04	Capture Jet Efficiency factor:	50
Page:	Page 1 of 1	Specific Extract Flow Rate:	0.93 m3/s
For support or enquiries please e-mail:	ed@fellermanpartnership.co.uk	Make-up Air Ratio:	85%
		Make-up Air Flow Rate:	0.79 m3/s

Specific Extract Flow Rate Calculation Sheet

Based on the THERMAL CONVECTION METHOD as recommended in HVCA Specification DW/172:2018

Site:	SKOF MANCHESTER	For:	TOM BARNES
Floor Level:	1	Job No.:	1053-200
Area:	GROUND FLOOR KITCHEN	Client Drg No.:	#
Canopy / Ceiling Ref:	WALL CANOPY - HARO	Date:	29/07/2024
Canopy Type:	11 OFF Wall-Type, Island Mounted (open one end)	Assessed By:	EF

Item	Cooking Equipment	Power	Plan Size X(m)	Plan Size Y(m)	DW172 SEPR Method Area (m²)	DW172 SEPR Method TCC (m³s/m²)	DW172 SEPR Method Flow Rate (m³/s)
	Bratt Pan, Electric	Electric	1.35	0.75	1.0125	0.50	0.51

REF	F-09	Theoretical Flow Rate:	0.51 m3/s
Issue Date:	10/05/2018	X Factor for Canopy / Ceiling Type:	1.50
Revision:	04	Capture Jet Efficiency factor:	50
Page:	Page 1 of 1	Specific Extract Flow Rate:	0.76 m3/s
For support or enquiries please e-mail:	ed@fellermanpartnership.co.uk	Make-up Air Ratio:	85%
		Make-up Air Flow Rate:	0.65 m3/s

D	29/02/2024	updated catering layout
C	27/12/2023	updated filtration to purified air
B	03/11/2023	condensers added to roof layout (removed from ground)
A	31/08/2023	updated access

Client	TOM BARNES			
Project	SKOF - MANCHESTER			
Title	VENTILATION LAYOUT - GROUND FLOOR			
Contract No.	1053	Drawing No.	TFP-1053-201	D
Scale	1:50:A1 |1:100:A3	Date	27/06/2023	

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e - info@tfps.co.uk