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**LEGEND**

- CONDENSATE DRAINS
- DR PIPE ROUTE
- SUPPLY DUCTING (DW 144 SPIRAL)
- KITCHEN EXTRACT DUCTING (DW 144 SPIRAL)
- W/C EXTRACT DUCTING (DW 144 SPIRAL)
- ACCESS HATCH IN DUCTING
- 4-WAY SUPPLY DIFFUSER
- A/C UNIT
- EGG GRATE GRILLE
- 100mm SEV GEV

REV.	DETAIL OF AMENDMENT	QA'D BY	DATE
P01	PRELIMINARY ISSUE	CB	19.11.24

GROSS INTERNAL AREAS (SQ.M)  
GIA BUILDING SITE AREA

BASIS OF DRAWING: **PRELIMINARY**

NOTES:

SITE ADDRESS  
GILDERED ROAD, BIRSTALL, BATLEY  
WF17 9TB

PROJECT  
**KFC BIRSTALL**

DRAWING TITLE  
**PROPOSED EXTERNAL HVAC EQUIPMENT CONFIGURATION**

PROJECT NO.	DRWG NO.	DRAWN BY
J1322	DML-XX-GF-DR-M-5702	CB/LJ

SCALE	CHECK'D BY	DATE	REVISION
1:20 @ A1	CB	21.11.24	P01

**denmech**  
Experts in air quality management and assessment

VFC Birstall - Schedule of MEP equipment and imposed electrical loadings (SBB compliant Revision):  
03/10/2024

File Name: DML322-XX-GF-SHM-5700 Rev: 2 of 2

HVAC EQUIPMENT SCHEDULE															
Reference	Description	Qty	Manufacturer	Type	Mounting height (to Bot) [AFFL] [mm]	Nominal Duty (kW)	Electrical Supply	Current Load (A) - 1 Phase	Current Load (A) - 3 Phase	Weight (kg)	Refrigerant	Outdoor/Indoor (companion) Unit	Dimensions VALU1 [mm]	Noise (dB(A))	Comment
AC1	WF Outdoor unit	1	FRIO	FDC450R09E2	150	46.0 (3.4 @ 6.0)	3PH 400V/50Hz/100kW/3	3.9	23	392	R410A	FRIO450R09E2	1500x700x260	62/61	Local 3Ph Isolator
AC1A	Kitchen AC Ingress Unit	1	FRIO	FDC450R09E2	3000	22.0 (2.5 @ 6.0)	3PH 220V/50Hz/100kW/3	0.2	11	810A	R410A	FRIO450R09E2	1500x700x260	62/61	Local Fused Spur Recept
AC1B	W/C AC Cond. Unit	1	FRIO	FDC450R09E2	2100	2.2 (3.2 @ 2.5 @ 6.0)	3PH 220V/50Hz/100kW/3	0.2	11	810A	R410A	FRIO450R09E2	1500x700x260	62/61	Local Fused Spur Recept
AC1C	SHR AC Comp. Card	1	FRIO	FDC450R09E2	2400	2.2 (3.2 @ 2.5 @ 6.0)	3PH 220V/50Hz/100kW/3	0.3	13	810A	R410A	FRIO450R09E2	1500x700x260	62/61	Local Fused Spur Recept
AC1D/E	F.O.H. AC Ingress Unit	2	FRIO	FDC450R09E2	1800	10.0 (3.0 @ 6.0)	3PH 220V/50Hz/100kW/3	1.1	25	810A	R410A	FRIO450R09E2	1500x700x260	62/61	Local Fused Spur Recept
Ventilation Systems															
Reference	Description	Qty	Manufacturer	Type	Mounting height (to Bot) [AFFL] [mm]	Nominal Duty (m³/s)	Electrical Supply	Current Load (A) - 1 Phase	Current Load (A) - 3 Phase	Weight (kg)	SFP	Outdoor/Indoor (companion) Unit	Dimensions VALU1 [mm]	Noise (dB(A))	Comment
SF01	Kitchen supply fan	1	Splinter	MUB02 360EC	325	2.25 m³/s	3PH 400V/50Hz - 100kW (-2.7A)	2.7	83	0.822	n/a	n/a	800 x 800 x 420	53	
KE01	Kitchen Extract Fan	1	Splinter	MUB17 060 600EC	1840	2.8 m³/s	3PH 400V/50Hz - 200kW (-3.0A)	3.0	114.5	0.730	n/a	n/a	800 x 800 x 1500	52	
KE02	Kitchen Extract odour control	1	Purified Air	UV5000	-2270	0.7	1PH 220V/50Hz - 140W (0.6A)	0.6	0.6	10.5	n/a	n/a	250x300x300	n/a	Chk Handling Flow L>R
KE02C	Kitchen Extract odour control	1	Purified Air	UV5000	-2700	0.04	1PH 220V/50Hz - 140W (0.6A)	0.6	0.6	10.5	n/a	n/a	800x800x300	n/a	Chk Handling Flow L>R
ESP01	Kitchen Extract odour control	2	Purified Air	ESP5000	-1840	0.05	1PH 220V/50Hz - 50W (0.2A)	0.4	118	n/a	n/a	1300x600x300	n/a	Chk Handling Flow L>R	
EF01	W.C. Extract Fan	1	Vert Air	ACM200	-2650	1200 l/s @ 100 Pa	3PH 220V/50Hz - 60W (-0.5A)	0.5	3	0.64	n/a	n/a	225x300x275	26	Set to low
Fridge Systems															
Reference	Description	Qty	Manufacturer	Type	Mounting height (to Bot) [AFFL] [mm]	Nominal Duty (kW)	Electrical Supply	Current Load (A) - 1 Phase	Current Load (A) - 3 Phase	Weight (kg)	SFP	Outdoor/Indoor (companion) Unit	Dimensions VALU1 [mm]	Noise (dB(A))	Comment
FR01	Veg Chiller	1	Carrier	MSM0148MPW05G	1650	1.4	1PH 220V/50Hz - 1810W (7.9A)	6.8	6.8	52	R409	Outdoor	910x660x530	34	
FR01	Veg Chiller	1	Carrier	TECA-7	1900	1.25	1PH 220V/50Hz - 600W (-4A)	4	15	849	Outdoor	800x780x10	53	0.9kW/Dehrost unit	
FR02	Chicken Chiller	1	Carrier	MSM0148MPW05G	1650	1.4	1PH 220V/50Hz - 1810W (7.9A)	6.8	6.8	52	R409	Outdoor	910x660x530	34	
FR02	Chicken Chiller	1	Carrier	TECA-7	1900	1.25	1PH 220V/50Hz - 600W (-4A)	4	15	849	Outdoor	800x780x10	53	0.9kW/Dehrost unit	
FR01	Freezer Room	1	Carrier	LSQM048N1W05G	150	1.4	3PH 400V/50Hz - 3150W (-4.8A)	4.8	4.8	77	R409	Outdoor	1007 x 484 x 895	62	
FR01	Freezer Room	1	Carrier	TECA-5	1900	1.31	1PH 220V/50Hz - 1000W (-4.4A)	4.4	19	849	Indoor	1300x500x304	n/a	1.8kW/Dehrost unit	
Other mech systems with Electrical loads															
Reference	Description	Qty	Manufacturer	Type	Mounting height (to Bot) [AFFL] [mm]	Nominal Duty (kW)	Electrical Supply	Current Load (A) - 1 Phase	Current Load (A) - 3 Phase	Weight (kg)	SFP	Outdoor/Indoor (companion) Unit	Dimensions VALU1 [mm]	Noise (dB(A))	Comment
SHWC01/02	Hot Water Cylinder	2	Megaflo	2500000	-	-	1PH 220V/50Hz - 3kW (13A) x 6	194	283	283	n/a	n/a	2579 x 1738	n/a	
SH1	Overdoor Heater (Front)	1	Emplex	AC30E	3300	3	1PH 220V/50Hz - 300W (1.3A)	13	13	8.7	n/a	n/a	630x240x274	n/a	Supplied and fitted by Elec. Contractor
SH2	Overdoor Heater (R/O W)	2	Emplex	AC30E	2400	3	1PH 220V/50Hz - 300W (1.3A)	39	39	5	n/a	n/a	730x240x274	n/a	Supplied and fitted by Elec. Contractor
SHW01	Washroom Pump	1	Carrier	SPS1550N	-	-	1PH 220V/50Hz - 50W (-0.21A)	0.21	2.4	n/a	n/a	n/a	1300x120	n/a	
SH1/SHW01	Backlog WASH SYSTEM	1	Emp	CE300	1800	6.6 - 8.8	1PH 220V/50Hz - 4.8kW (20A)	38	n/a	n/a	n/a	n/a	177x190x112	n/a	Only used when main CWWS off
SH01	F.O.H. Wash Hand Dryer	1	Hangello	1118	1800	1.4	1PH 220V/50Hz - 1000W (-4A)	18	18	4.5	n/a	n/a	265x180x300	76	

HVAC INSTALLATION  
(Scale 1:50@A1)