

KITCHEN EXTRACT FAN	
MODEL :	SQUR3/4-SHT (EQUAL OF APPROVED)
SIZE :	820 x 820 x 820
WEIGHT :	144 KG (EACH)
POWER REQU :	400 VOLT 16 AMP - 2.8KW
ACCESSORIES :	3PH TO 3PH INVERTER 063-0500-PL250 CONN.

ODOUR CONTROL PLANT : ESP	
MODEL :	RYS000 X 2 UNITS (EQUAL OF APPROVED)
SIZE :	534 (H) X 1230 (W) X 620 (L) EACH
WEIGHT :	70 KG EACH X 2 STACKED
POWER REQU :	230 VOLT 6 AMP
NOTES :	STACKED INSTALLATION

The ventilation system to be constructed in accordance with the recommendations of Legionnaires' Disease: Control of legionella bacteria in water systems - approved code of practice and guidance HSE L8.

AIR CONDITIONING

THE REFRIGERATION & AIR CONDITIONING INSTALLATIONS SHALL BE IN ACCORDANCE WITH :
 THE BUILDING REGULATIONS 2004.
 BUILDING ENGINEERING SERVICES ASSOCIATION (BESA)
 DOCUMENT RAC80 : DESIGN, SPECIFICATION FOR DX PACKAGED AIR CONDITIONING EQUIPMENT IN BUILDINGS.
 AIR CONDITIONING AND REFRIGERATION INDUSTRY BOARD (ACRIB) REGULATIONS
 F-GAS CERTIFICATION.
 CHARTERED INSTITUTE OF BUILDING SERVICES ENGINEERS (CIBSE)
 GUIDE B : HEATING VENTILATION, AIR CONDITIONING & REFRIGERATION.

VENTILATION

THE VENTILATION INSTALLATIONS SHALL BE IN ACCORDANCE WITH :
 THE BUILDING REGULATIONS 2004.
 CHARTERED INSTITUTE OF BUILDING SERVICES ENGINEERS (CIBSE)
 GUIDE B : HEATING VENTILATION, AIR CONDITIONING & REFRIGERATION.

BUILDING ENGINEERING SERVICES ASSOCIATION (BESA)
 DOCUMENT DW14.4 : SPECIFICATION FOR SHEET METAL DUCTWORK.
 DOCUMENT DW14.5 : GUIDE TO GOOD PRACTICE FOR THE INSTALLATION OF FIRE & SMOKE DAMPERS.

WEIGHT OF DUCTWORK
35KG PER LINEAR METER

UV INJECTOR SYSTEM

STRUCTURAL ENGINEER
TO ALLOW TO WEIGHT / LOADINGS
OF MECH HAVC PLANT.

KITCHEN OUTDOOR UNIT (FLOOR MOUNTED)	
MODEL :	FUHZ-P250YKA3 (EQUAL OR APPROVED)
SIZE :	1050(W)x330+40(D)x1338(H)
WEIGHT :	135 KG EACH
POWER REQU :	380-415V, 50HZ 25 AMP
NOTES :	28.58 x 12.7 PIPE WORK

RESTAURANT OUTDOOR UNIT (FLOOR MOUNTED)	
MODEL :	FUHZ-P250YKA3 (EQUAL OR APPROVED)
SIZE :	1050(W)x330+40(D)x1338(H)
WEIGHT :	135 KG EACH
POWER REQU :	380-415V, 50HZ 25 AMP
NOTES :	28.58 x 12.7 PIPE WORK

SEE TOILET EXTRACT ROOF PENETRATION DETAIL

AIR CONDITIONING PIPEWORK ROUTE
PROVIDE WEATHERED COWL TO SEAL.

SEE FRESH AIR ROOF & FAN PENETRATION
ON THIS DRAWING.

ROOF OUTLINE (OUTLINE BASED ON INTERNAL WALL PERIMETER)

EFT - EXTRACT FAN	
MODEL :	ACP 250 (EQUAL OR APPROVED)
SIZE :	250DIA
WEIGHT & NOISE DATA :	4.6KG EACH 58 DBA
POWER REQU :	1PH 6AMP
ACCESSORIES :	INTERLINK WITH LIGHTS

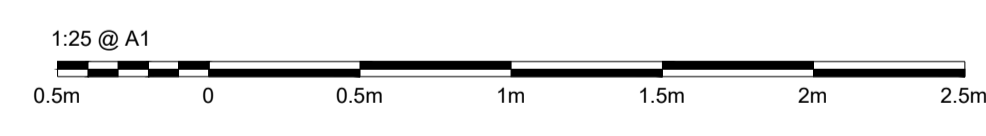
SUPPLY FAN	
MODEL :	FFH 315 EC 20 153379 (EQUAL OF APPROVED)
SIZE :	350Ø
WEIGHT :	34KG EACH
POWER REQU :	400V 3-N 50HZ 11.8 AMPS
ACCESSORIES :	

TYPICAL FLAT ROOF PENETRATION FOR RISING DUCT (SCALE 1:50) INCLUDING FRESH AIR FAN

TYPICAL FLAT ROOF PENETRATION TOILET EXTRACT (SCALE NTS)

COWL DETAIL (EQUAL OR APPROVED)

TYPICAL FLAT ROOF PENETRATION FOR KITCHEN EXTRACT DUCT (SCALE NTS)



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The Link Building, Dyffryn Close,
Swansea Vale, Llansamlet,
Swansea, SA7 0AP
www.mandepro.co.uk



PROJECT:	182 Broxtowe Lane				
CLIENT:	Morley's				
DRAWING:	General Arrangement of HVAC For Planning Roof Plant Layout				
SCALE:	1:25@A1	DRAWN:	1:SD	DATE:	20.09.23
JOB No:	0000	CHECKED:		DATE:	
DRAWING No:	0000/M200 REV				

REV	DATE	REVISION DESCRIPTION

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