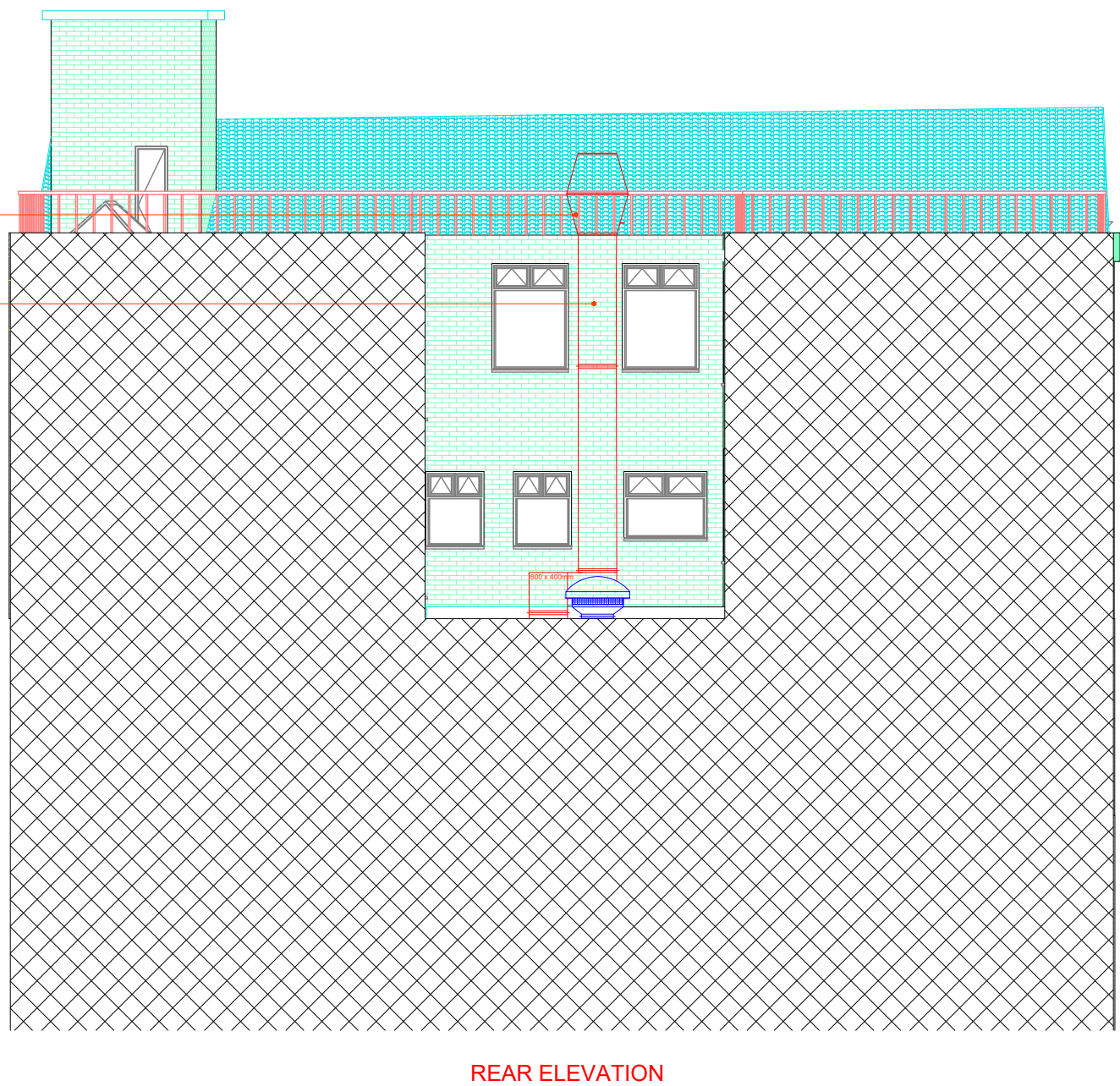
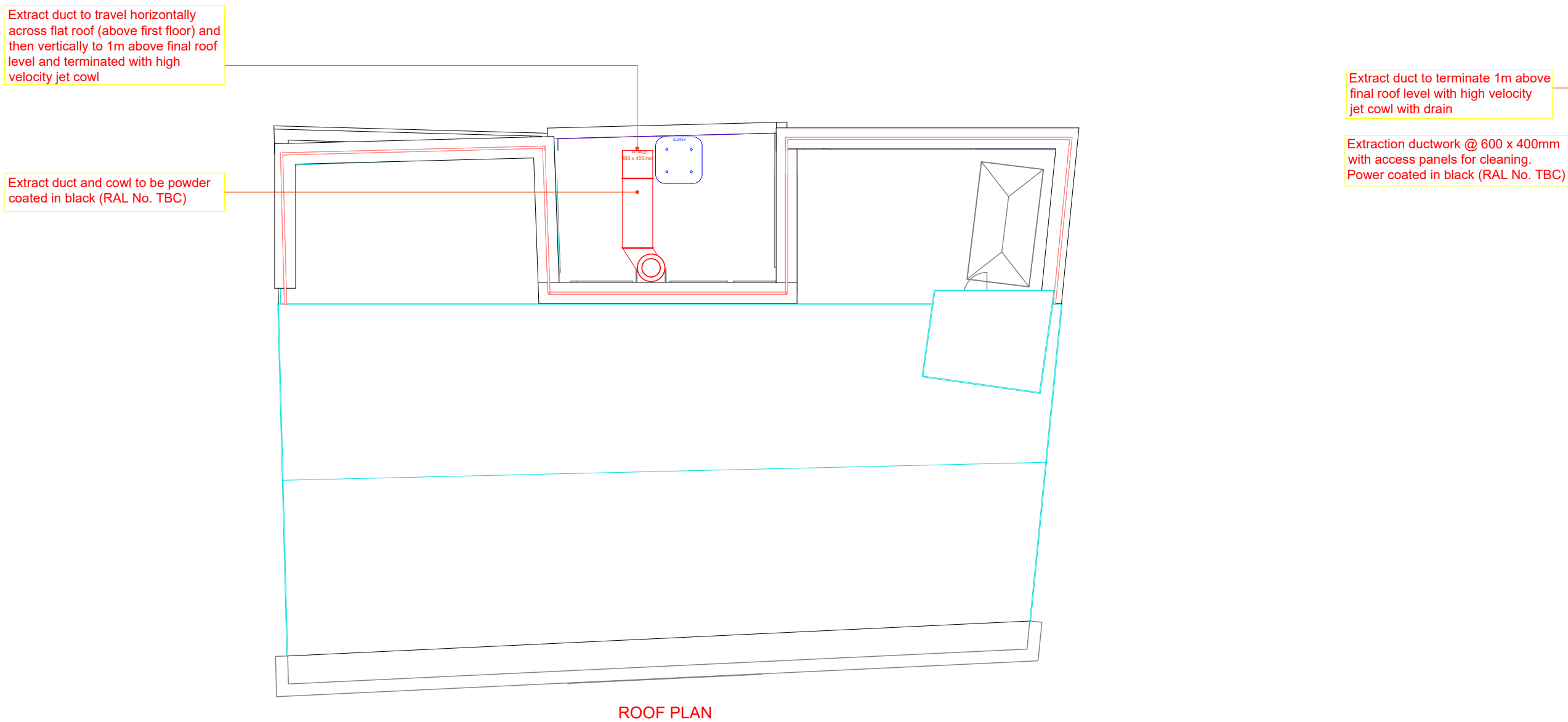
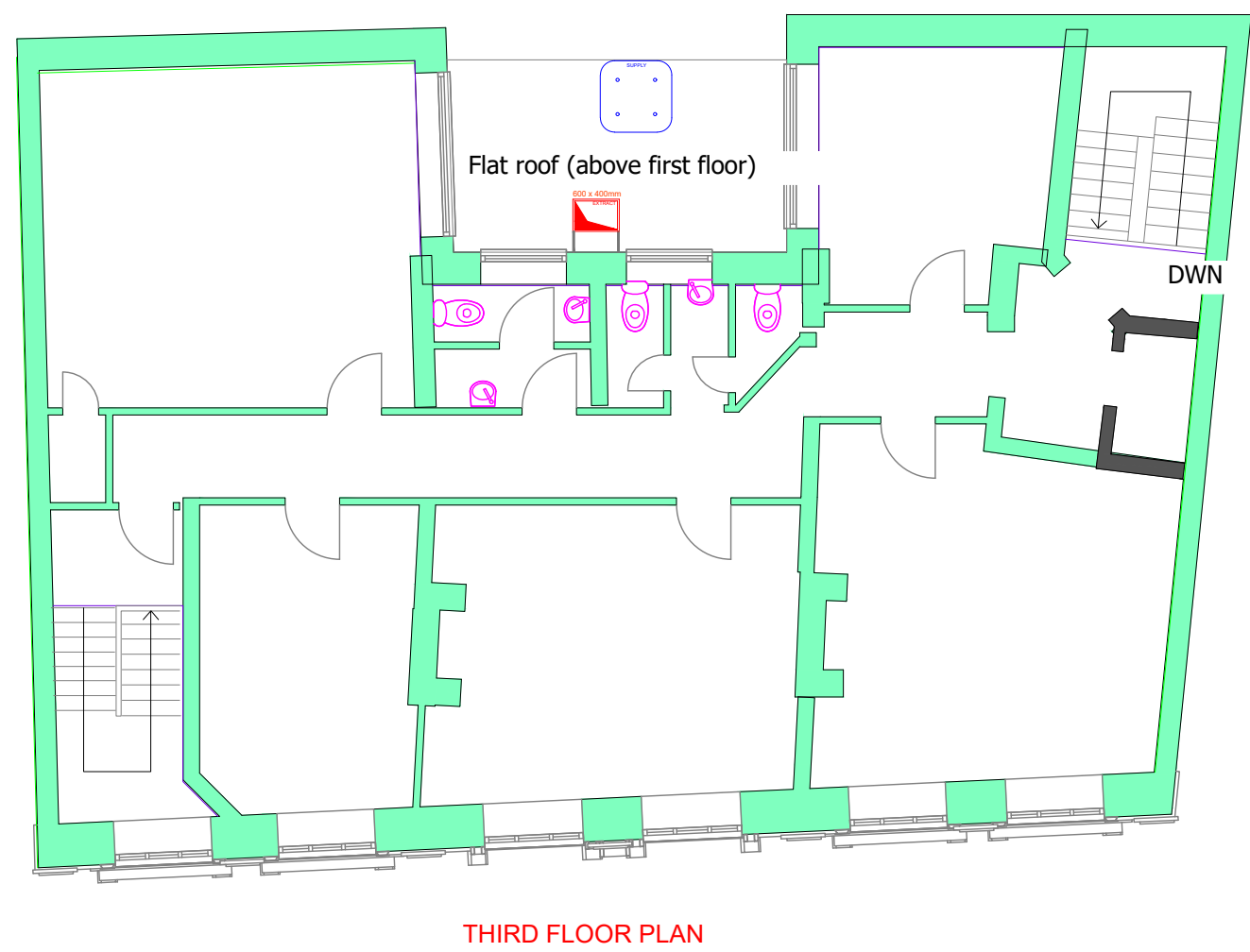
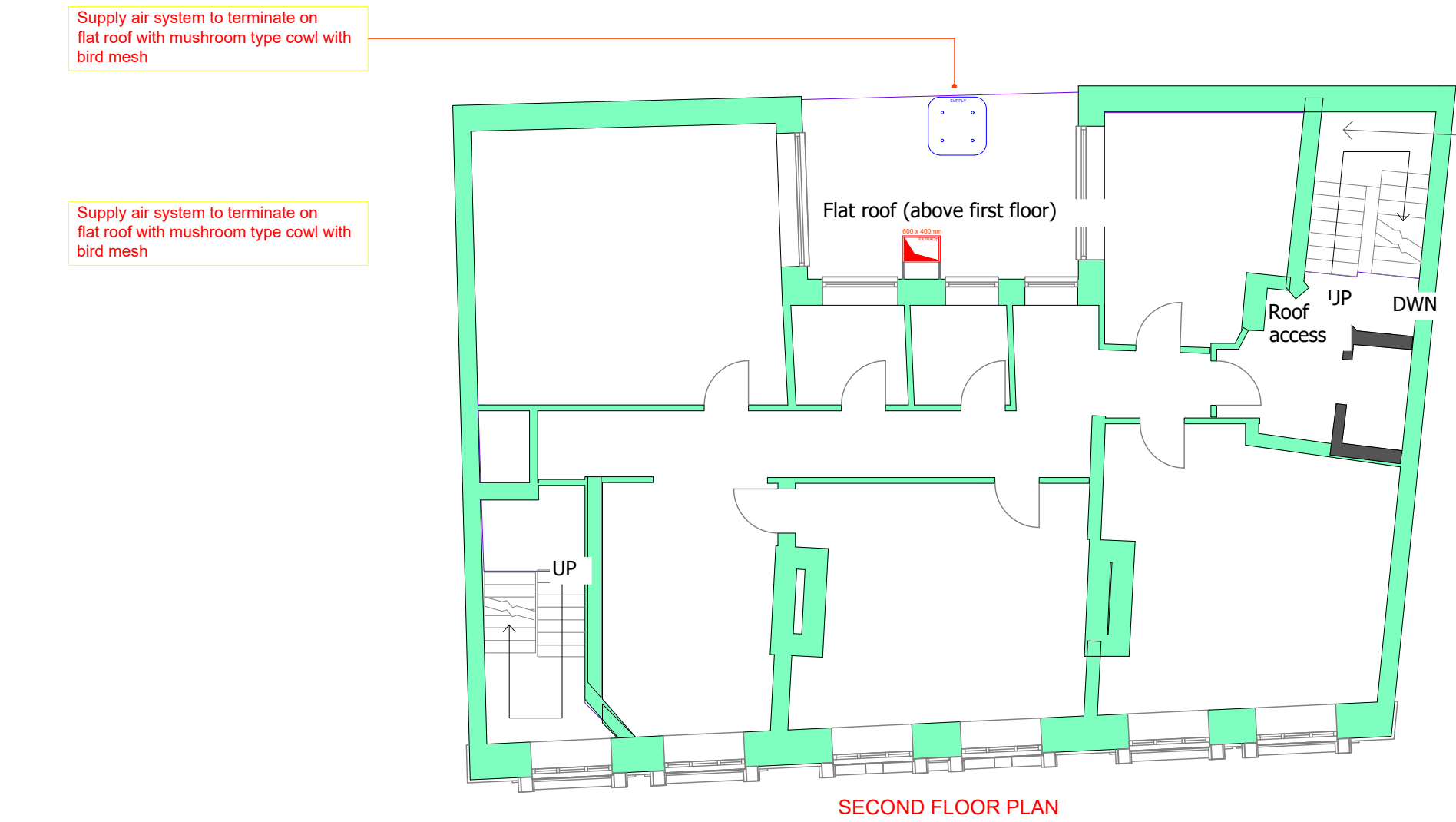
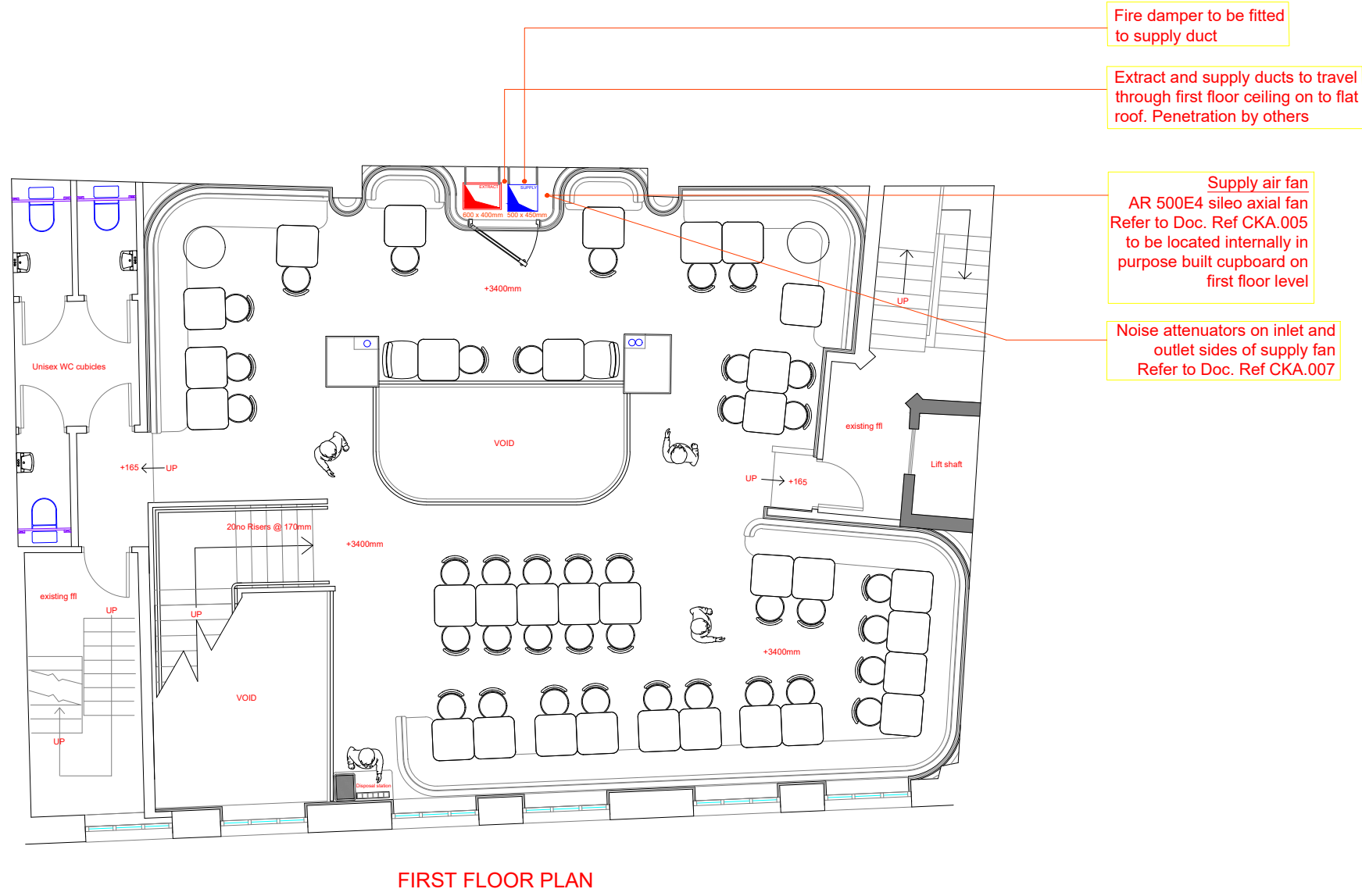
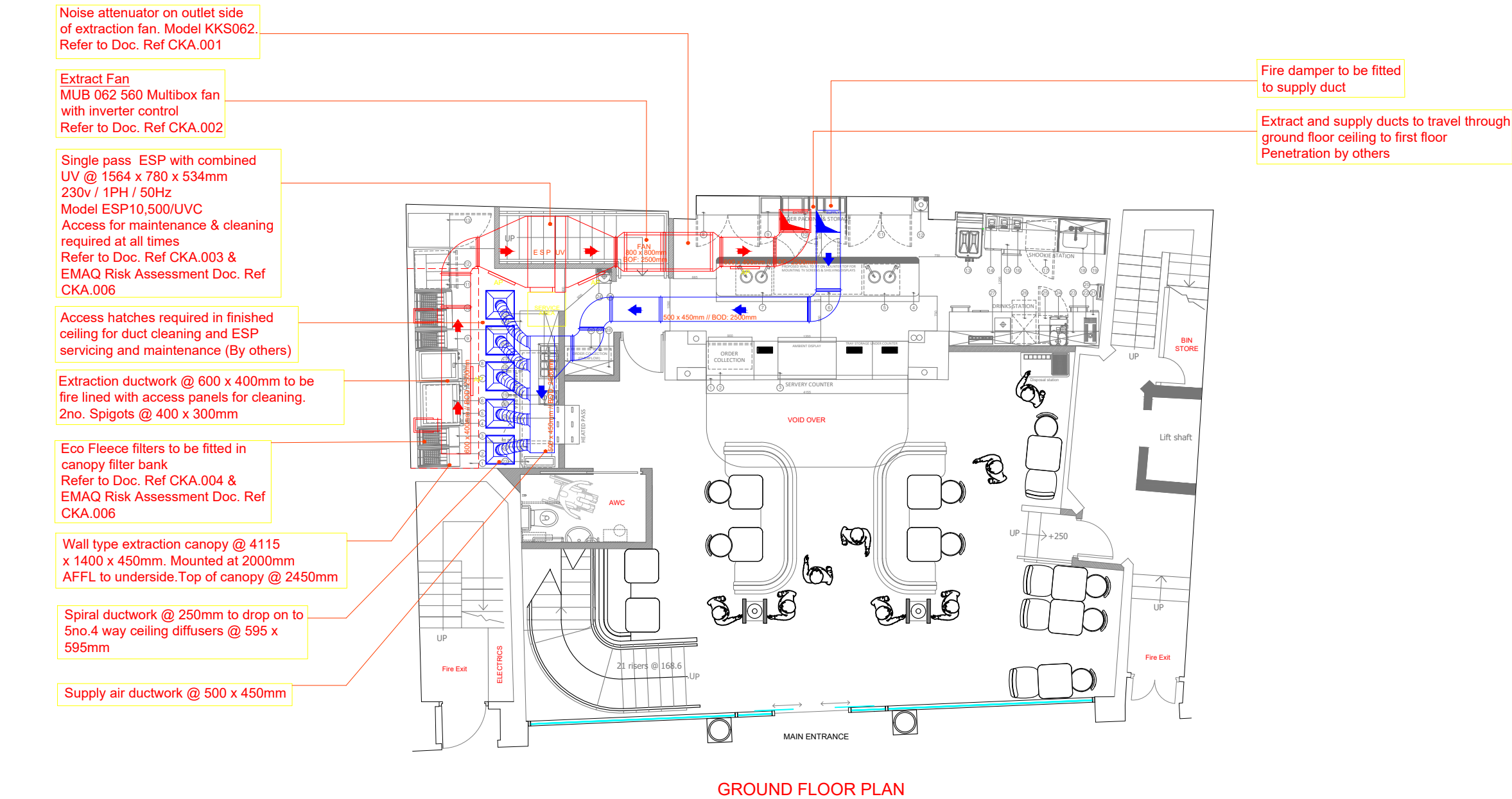


PROPOSED LAYOUT OF VENTILATION SYSTEM

Subject to detailed site survey and coordination of other services



SITE MEASUREMENTS

DO NOT SCALE FROM THIS DRAWING. MEASUREMENTS ARE INDICATIVE AND SHOULD BE CHECKED ON SITE AND CONFIRMED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK OR MANUFACTURING. THIS DRAWING IS COPYRIGHT OF CKA LTD AND MAY NOT BE COPIED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN APPROVAL.

TECHNICAL (EQUIPMENT)

EXTRACT FAN // Doc Ref CKA.002	
MANUFACTURER:	SYSTEMAIR
MODEL:	MUB MULTIBOX 062 560D4
PHASE:	3 PHASE / 400V
INPUT POWER:	2.499kW
CURRENT:	4.49A
MAXIMUM FLOW:	3.28m3/s
WEIGHT:	95.5kg

Systemair MUB 062 560D4 MULTIBOX	
DbA Calculator	
Octave Band Frequency	63 125 250 500 1000 2000 4000 8000
Fan Sound Power Level	51 70 74 78 79 76 75 65
Leakage (in Silencers etc.)	-8 -12 -20 -20 -26 -22 -24 -15
LWA	55
DBA @ 1m	44
DBA @ 2m	38
DBA @ 3m	35
DBA @ 4m	32
DBA @ 5m	30
DBA @ 6m	29
DBA @ 7m	27
DBA @ 8m	26
DBA @ 9m	25
DBA @ 10m	24
DBA @ 15m	21
DBA @ 20m	19

SUPPLY AIR FAN // Doc Ref CKA.005	
MANUFACTURER:	SYSTEMAIR
MODEL:	AR 500E4 SILEO AXIAL
PHASE:	1 PHASE / 230V
INPUT POWER:	0.72kW
CURRENT:	3.2A
MAXIMUM FLOW:	2.46m3/s
WEIGHT:	18.6kg

Systemair AR 500E4 SILEO AXIAL	
DbA Calculator	
Octave Band Frequency	63 125 250 500 1000 2000 4000 8000
Fan Sound Power Level	24 40 50 58 64 64 59 52
Leakage (in Silencers etc.)	-3 -5 -8 -16 -17 -17 -17 -10
LWA	52
DBA @ 1m	41
DBA @ 2m	35
DBA @ 3m	32
DBA @ 4m	29
DBA @ 5m	27
DBA @ 6m	26
DBA @ 7m	25
DBA @ 8m	24
DBA @ 9m	23
DBA @ 10m	22
DBA @ 15m	19
DBA @ 20m	16

GREASE, SMOKE & ODOUR CONTROL // Doc Ref CKA.003	
MANUFACTURER:	PLASMACLEAN
MODEL:	ESP10500/UV/C
PHASE:	1 PHASE / 230V
INPUT POWER:	0.8kW
MAXIMUM FLOW:	2.1m3/s
WEIGHT:	115kg

GREASE, SMOKE & ODOUR CONTROL // Doc Ref CKA.004	
MANUFACTURER:	PLASMACLEAN
MODEL:	ECO FLEECE FILTERS (TO BE FITTED IN CANOPY FILTER BANK)

TECHNICAL (FLOW RATES)

EXTRACT & SUPPLY RATES	
TOTAL EXTRACT RATE:	1.75m3/s
SUPPLY AIR RATE (80% OF EXTRACT):	1.40m3/s

DOCUMENT REFERENCE SCHEDULE	
CKA.001	NOISE ATTENUATOR SPEC - EXTRACT FAN
CKA.002	EXTRACTION FAN SPEC
CKA.003	ESP-UV SPEC
CKA.004	ECO FLEECE SPEC
CKA.005	SUPPLY AIR FAN SPEC
CKA.006	EMAQ RISK ASSESSMENT
CKA.007	NOISE ATTENUATOR SPEC - SUPPLY FAN

C	18.11.24	SUPPLY AIR FAN RELOCATED INTERNALLY AND TERMINATED WITH MUSHROOM COWL IN FLAT ROOF. EXTRACT DUCT RELOCATED. TERMINATED WITH JET COWL AND POWDER COATED AS PER LPA'S REQUEST.	NH
B	28.08.24	EXTRACT SILENCER AMENDED. DOCUMENT REFERENCE SCHEDULE ADDED AND ANNOTATIONS UPDATED	NH
A	13.08.24	REAR ELEVATION ADDED TO DRAWING TO INCLUDE SUPPLY AIR FAN AND SILENCERS. TECHNICAL DATA ADDED TO DRAWING.	NH
REVISION: DATE:		AMENDMENTS:	BY:



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CLIENT:	Rexel Group Ltd	DRAWING NO:	1305_EX
PROJECT:	Six Twelve Restaurant	REVISION:	C
TITLE:	Proposed ventilation design		
DRAWN BY:	NH	SCALE:	1:100 @ A1
DATE:	17.07.2024		