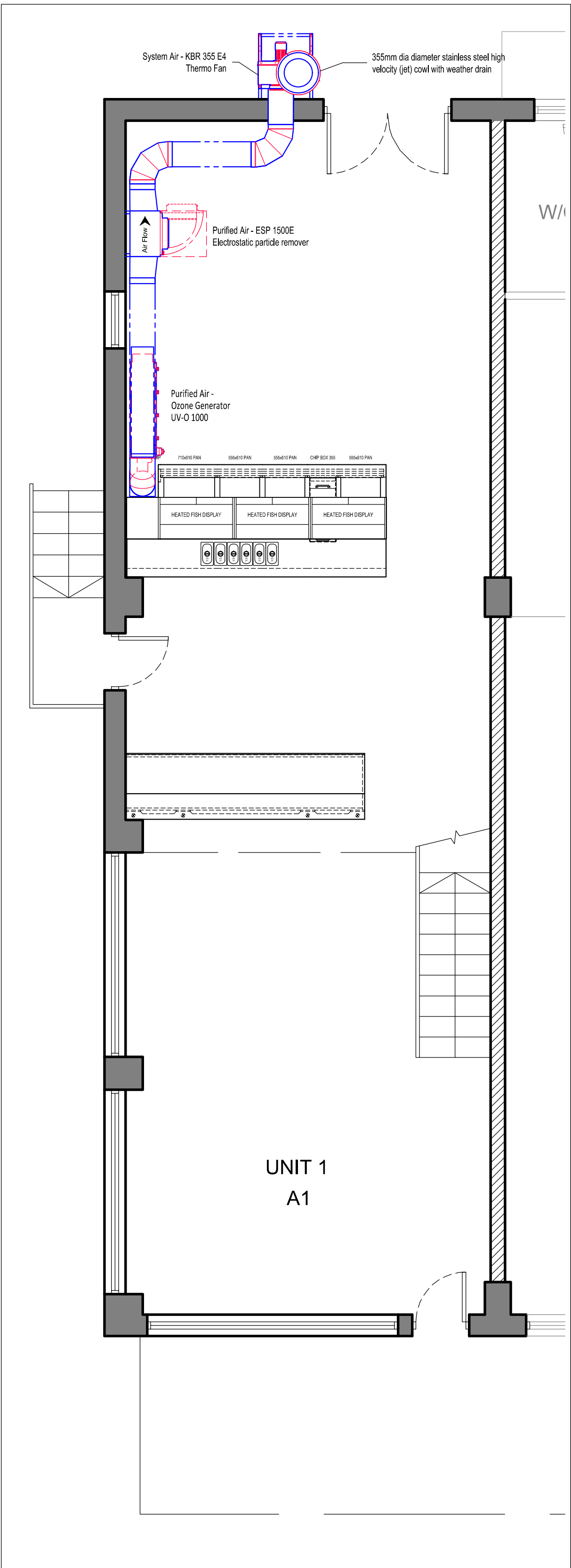
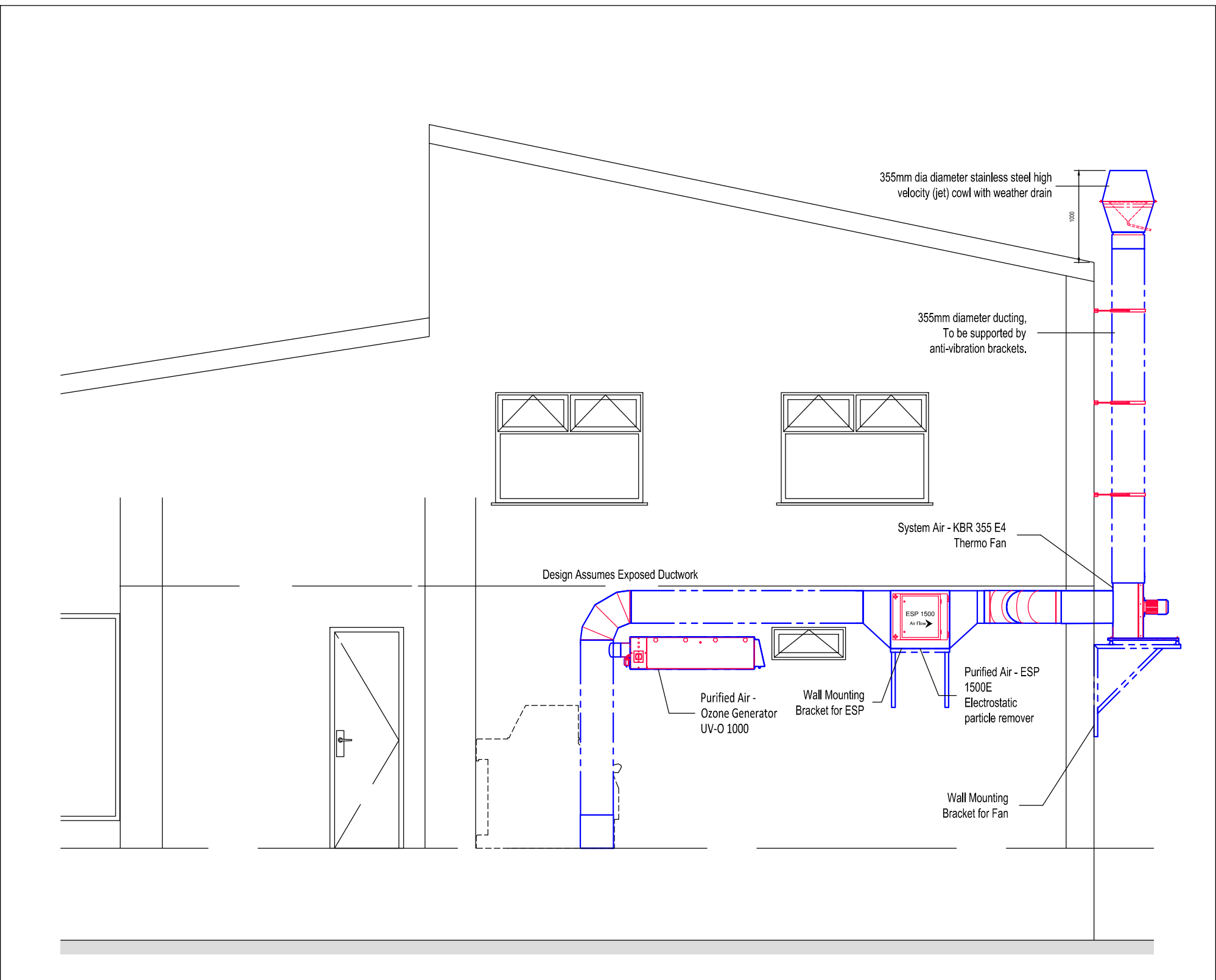
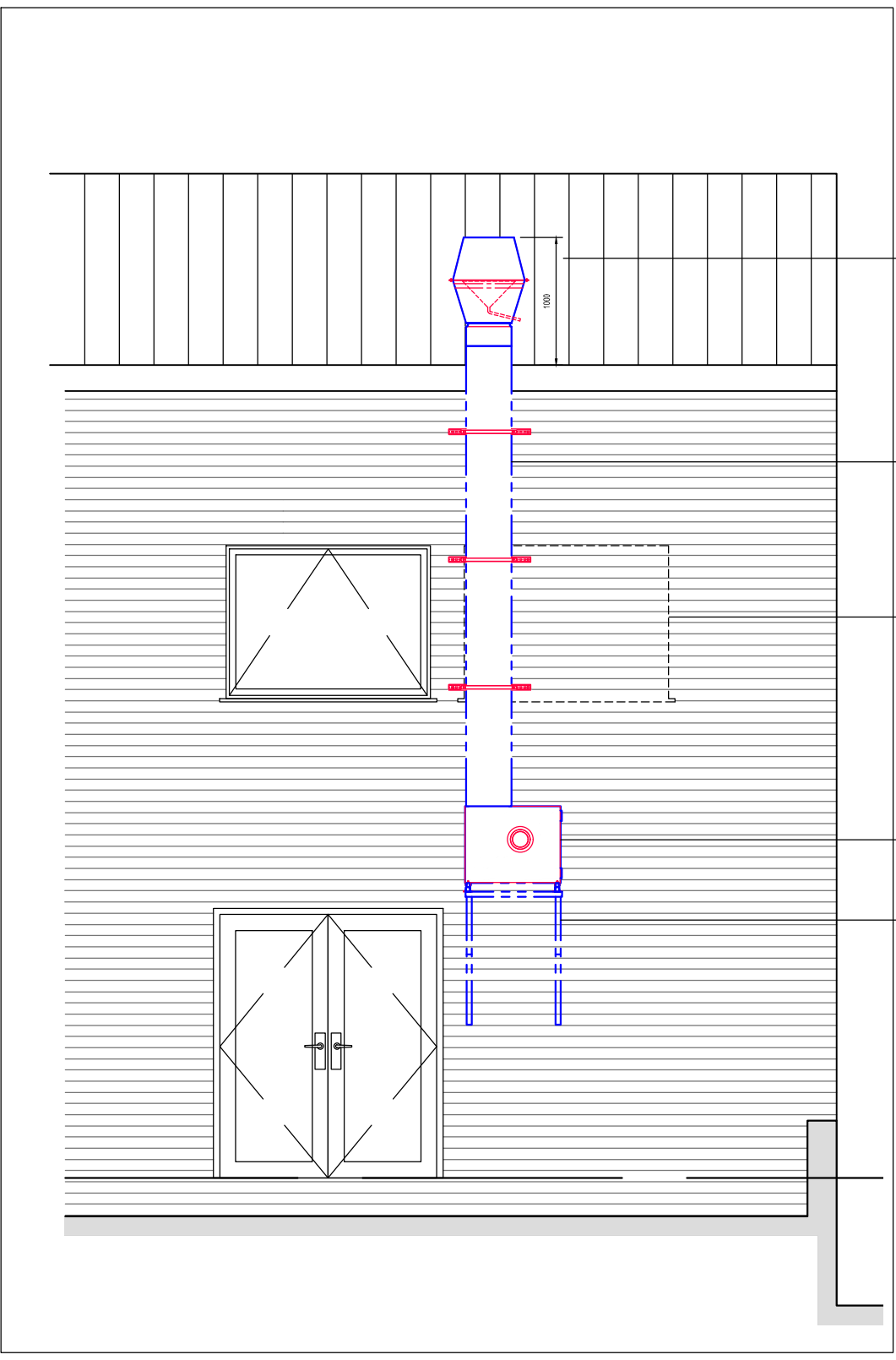




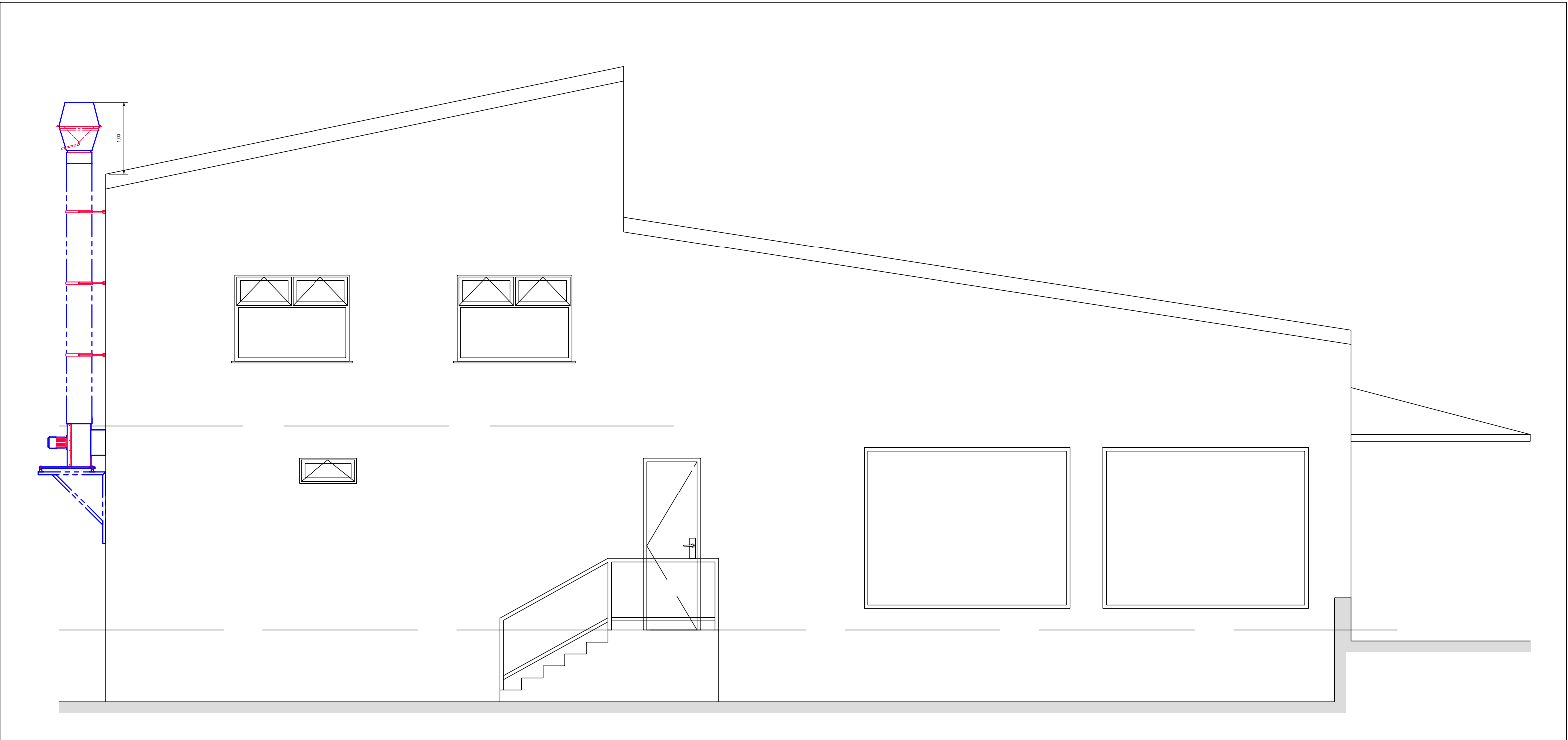
GROUND FLOOR



INTERNAL SIDE ELEVATION



REAR ELEVATION



EXTERNAL SIDE ELEVATION - View from Beckenham Road

KBR Motor (355mm DIA)

Technical Information	
Manufacturer	System Air
Description	Centrifugal box fan, for circular duct, 120°C continuous, insulated.
Model	KBR 355 E4 Thermo fan
Reference	5980
Phase	1
Input power	0.438kW
Starting current	4.9A
Input current	1.92A
Sound pressure level at 10m (free field)	33dB(A)
Sound pressure level at 4m (free field)	41dB(A)
Protection	IP54
Enclosure class, motor	IP54
Insulation class	F
Weight	66kg
Duct connection type	Circular

ESP 1500E

Technical Information	
Manufacturer	Purified Air
Description	Electrostatic Precipitator (ESP)
Model	ESP 1500E
Phase	1
Input power	0.02kW
Current	0.1A
Maximum airflow	0.77/s
Weight	55kg

UV-Q-1000

Technical Information	
Manufacturer	Purified Air
Description	Ozone Generator
Model	UV-Q 1000
Phase	1
Input power	0.7kW
Current	3.0A
Maximum airflow	2m³/s
Weight	50kg

Ventilation Calculation

Extract (Mechanical)									
Equipment (Description)	Qty	Width	Depth	Area (m²)	Total Area (m²)	Co-Efficient	Rate	Unit	
GAS - Deep Fat Fryer (Std)	3	555	610	0.34	1.02	0.50	0.51	m³/s	
GAS - Deep Fat Fryer (Large)	1	710	610	0.43	0.43	0.50	0.22	m³/s	
Total Extract Rate (Theoretical)							0.72	m³/s	
Velocity (Ideal "G"/Max "9")							6.0	m/s	
Area of Duct							0.12	m²	
Duct Size (Square)							0.35	m²	
Nearest Size (Round/Square)							355	mm	

Supply/Air Input (Natural)				
(kW Calculation)				
Pan Size	Qty	Rate	Total	Unit
555	3	25	75	kW
710	1	27	27	kW
Total kW			102	kW
Based on IGEM - IGE/UP/10				
Grill Size (kW x 12cm²/kW)			1224	cm²
Minimum Aperture (Square)			350	mm

DRAWING APPROVAL	
Please sign and date below and return	
Signed	
Company	
Date	
PLEASE NOTE This drawing must be signed and dated by the client upon approval prior to any manufacture of range and items shown and ordering of equipment and appliances. The Drawing must be read in conjunction with RGM Leeds Ltd via Hopkins Terms and Conditions, Questions and Comments.	