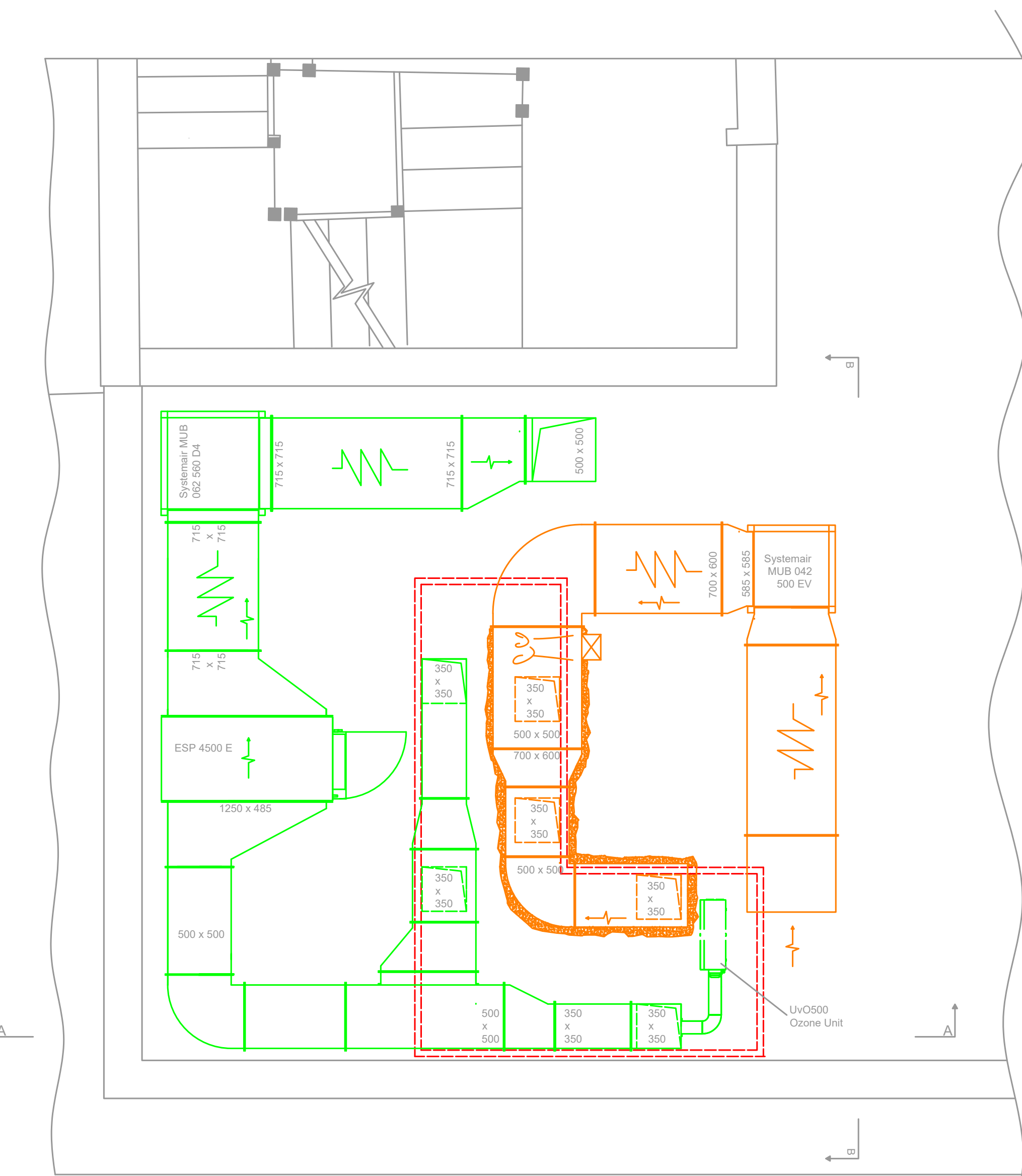
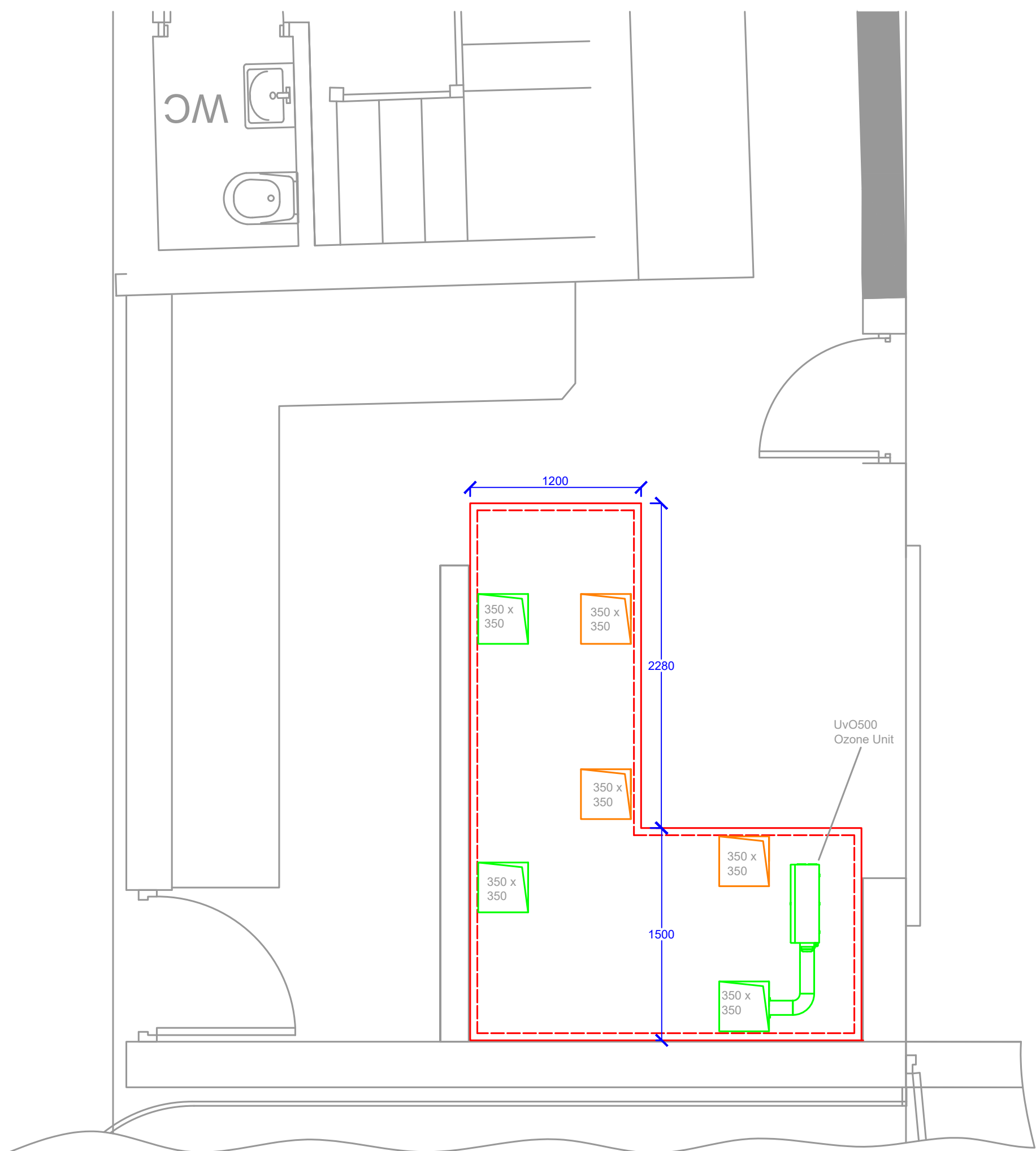




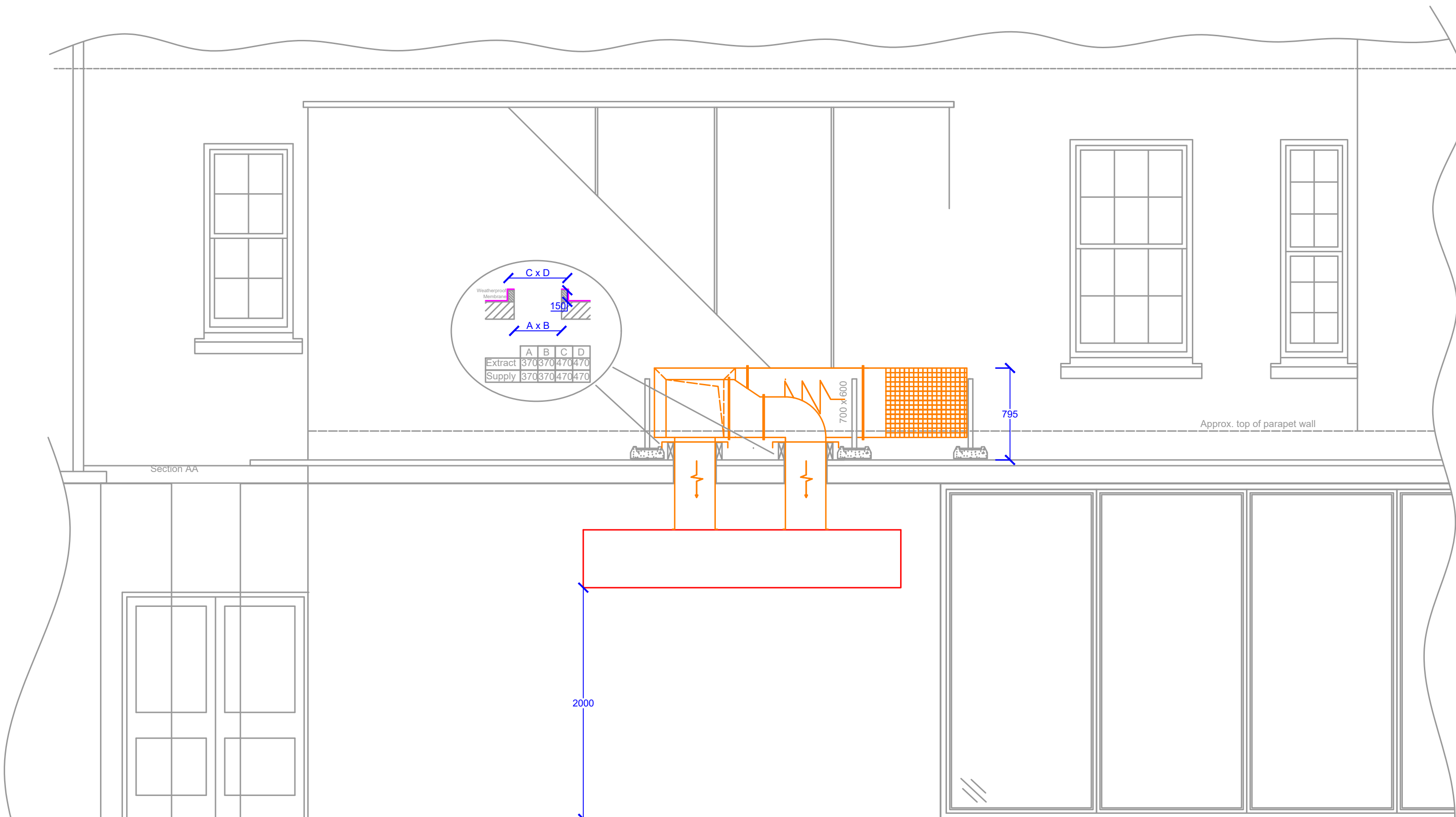
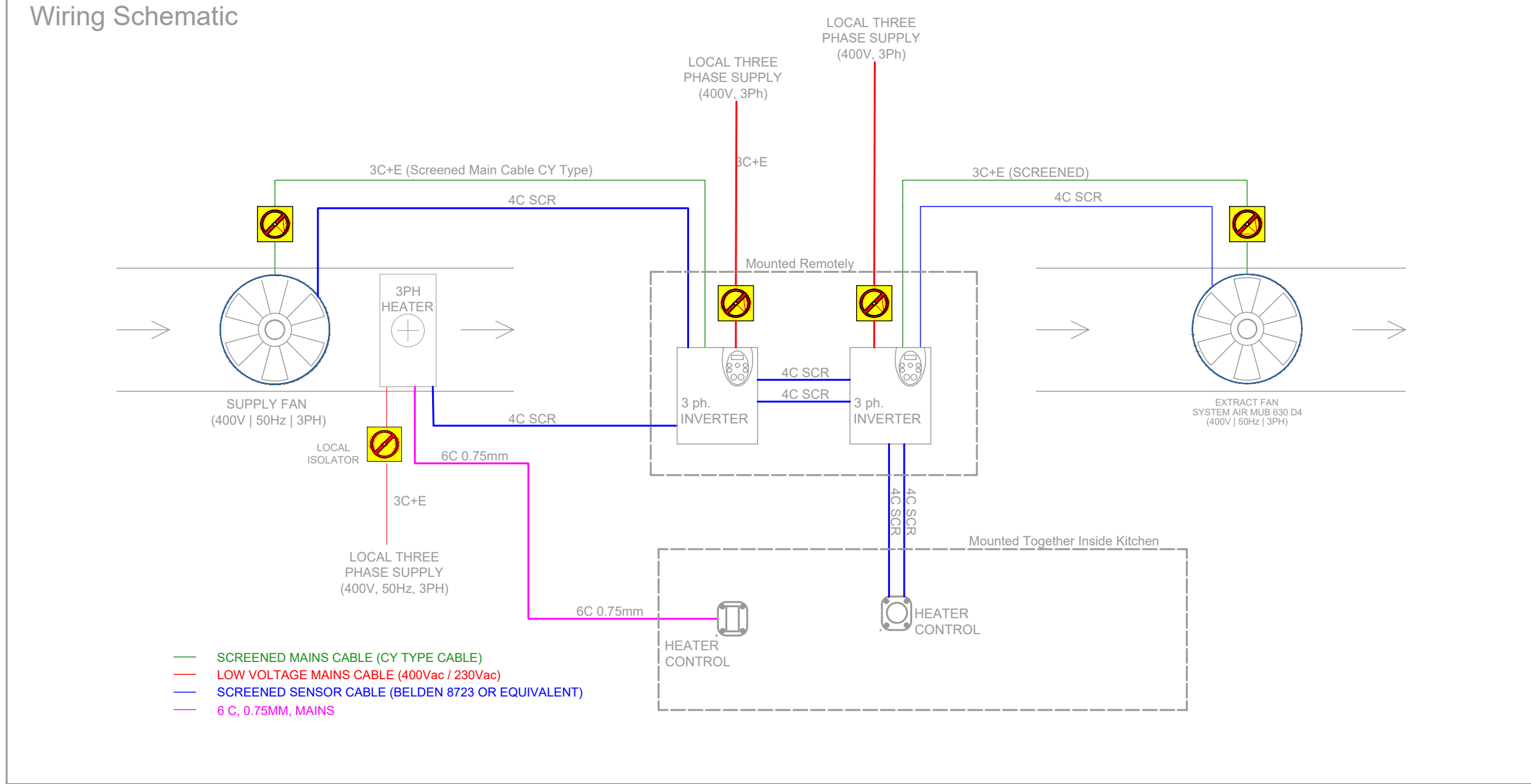
Plan - Flat roof Above



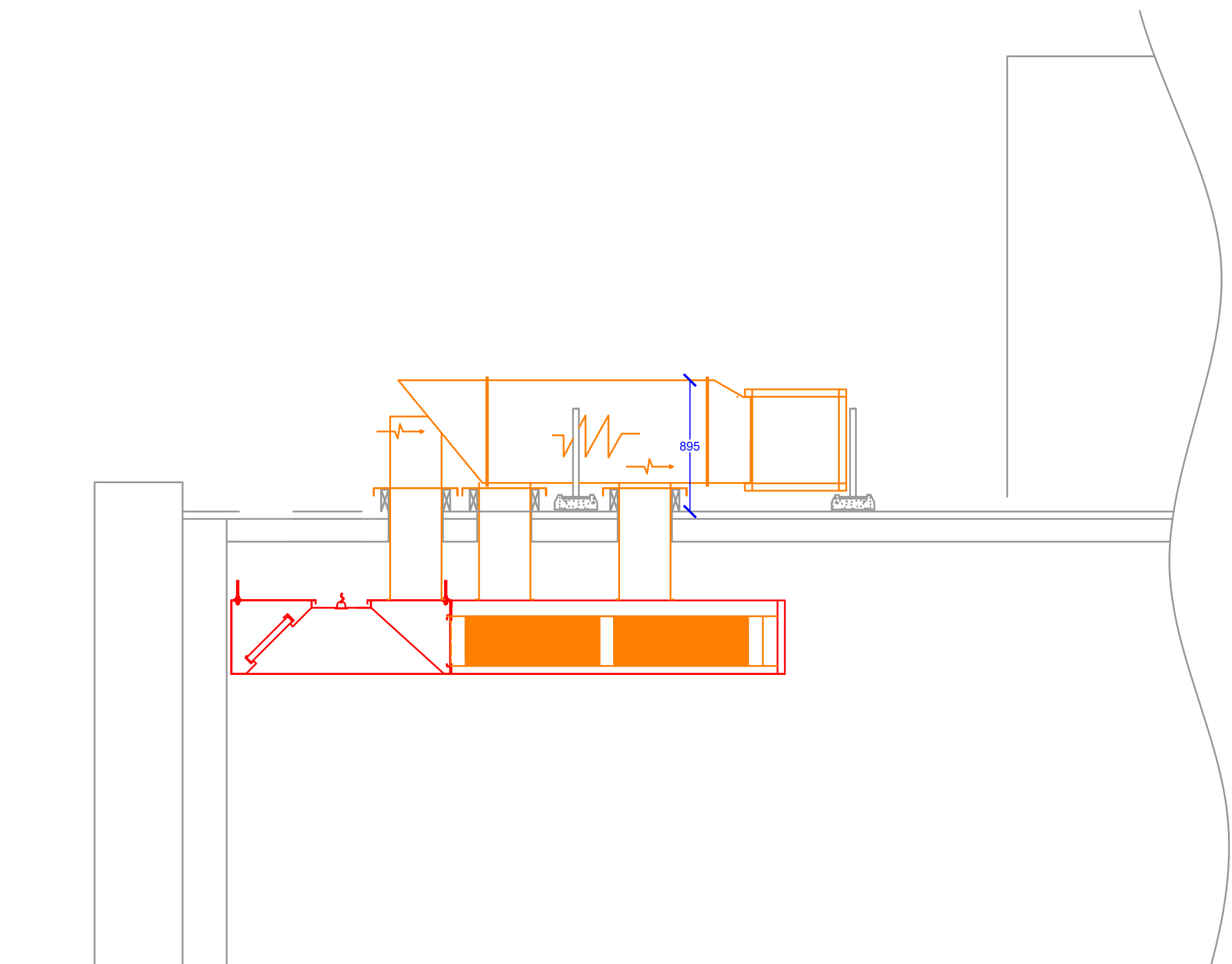
Plan - Ground Floor

- Technical Details:
- Canopy: L shape, 3770 x 1200, 1550 x 1500, extract and supply, 304 grade stainless steel, 9 no. 400 x 400 baffle filters, 9 no. LED lights, approx. 350 Kg, in 3 sections
 - Extract: 1.79 m3/sec using Systemair 062 560 D4 fan, 400v, 3ph, 4.49A FLC, attenuated to comply with acoustic specs. issued Clarke Saunders
 - Supply Air: 1.52 m3/sec using Systemair MUB 042 500 EV fan, 230v, 1ph, 5.32A FLC, attenuated to comply with acoustic specs. issued Clarke Saunders
 - Odour control using Purified Air ESP 4500 unit and Purified Air UvO 500 unit in line with DEFRA 2005 / EMAQ 2018 guidance.
 - Supply heater - duct mounted with insulation downstream to the point of entry into building, 28kw, 3ph, approx. 40A per phase
 - LPHW alternative to the above is also 28Kw with approx. 80 - 60 inlet - outlet temp and flow of 0.35 l/s

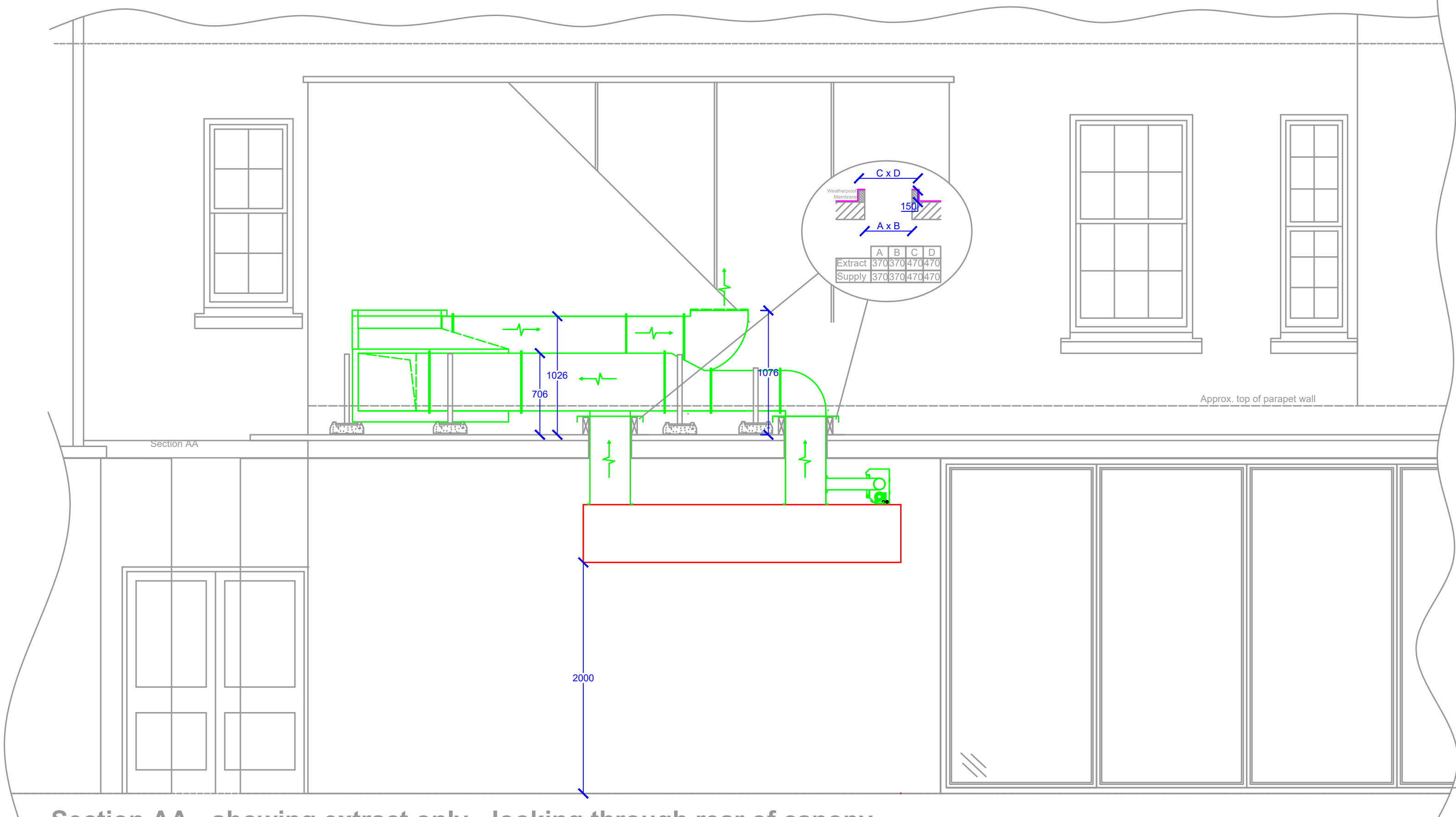
- Schedule of Weights
- Canopy 350Kg
- Extract System
- Duct - approx. 10m at 20 Kg/m - 200 Kg total
 - ESP and Ozone units - 165Kg
 - Fan - 107Kg
 - Attenuators - 165Kg
 - Misc. fittings supports and brackets - 25Kg
- Supply System
- Duct - approx 8m at 20Kg/m - 160Kg total
 - Fan - 67Kg
 - Attenuators - 150Kg
 - Heater - 25Kg
 - Misc. fittings supports and brackets - 25Kg



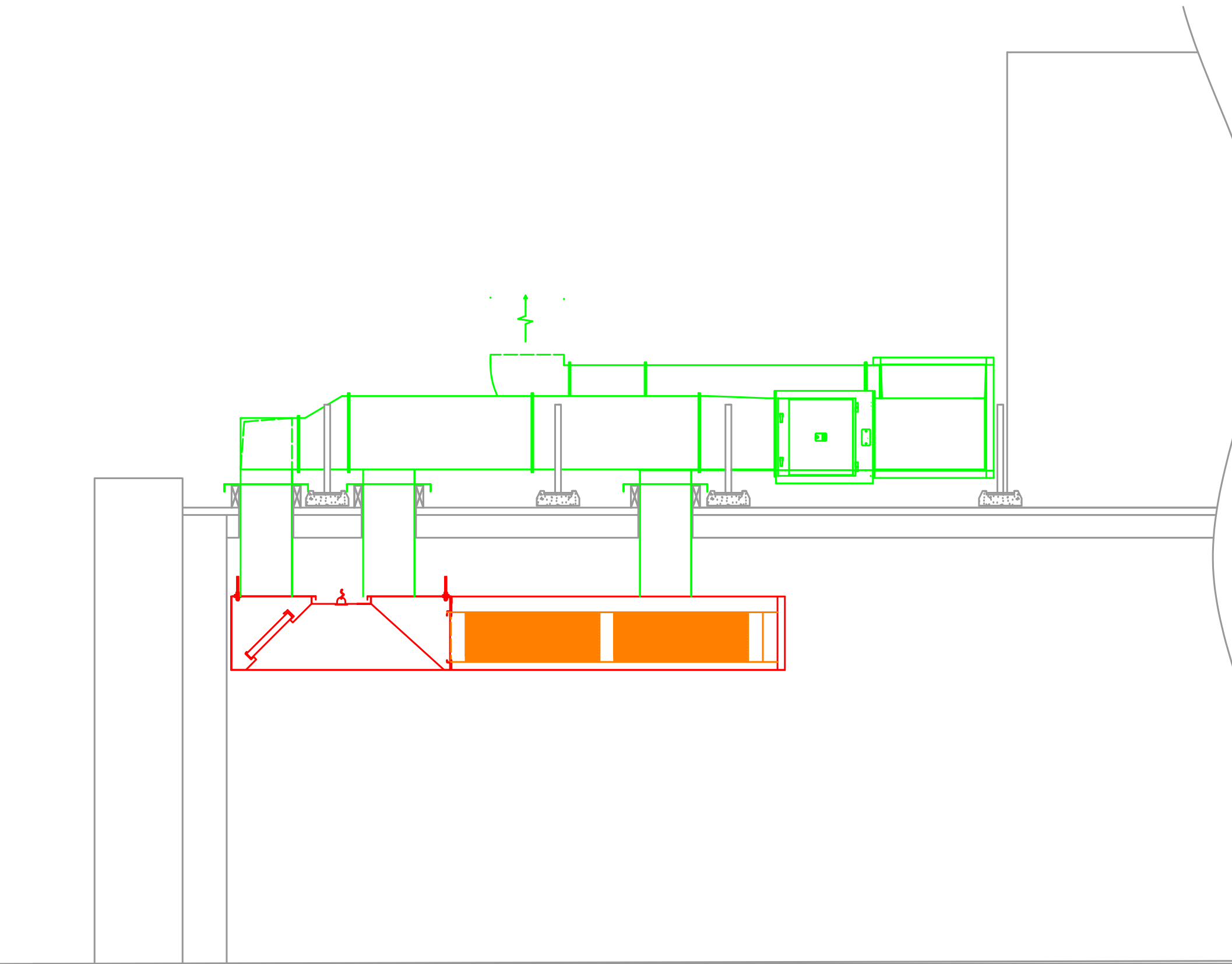
Section AA - showing supply only - looking through rear of canopy



Section BB - showing supply only



Section AA - showing extract only - looking through rear of canopy



Section BB - showing extract only

ADDITIONAL INFORMATION

- Do not scale from this drawing
- All ductwork is non-fire rated unless specified.
- Ductwork specified as fire rated is to BSEN 1366 Part 1 by stability and integrity only. In the event of a fire within the duct, its external surface will get extremely hot and so both the fabric of the building and its services need to be protected from risk of combustion in line with building regulations by others. Fire rated ductwork can additionally be insulated to BSEN 1366 at additional cost.
- Unless specified, all supply air is untempered
- In accordance with DW172 supply air will be calculated at 70% to 85% of the volume of air being extracted. The remainder of air to be supplied by natural infiltration or by other means by others.
- System cleaning and maintenance is vital to ensure long term performance and reliability. BWf's 12 month warranty will be invalidated if maintenance is not carried out in line with BWf's O&M manual provided. BWf will be happy to advise further if required.
- Future access to all parts of the system is needed to enable maintenance and should be considered as part of building design. In particular, access to ductwork and ventilation plant above ceilings, in roof voids, in risers and on roof areas etc need to be actively considered. Access is not only required for regular cleaning in line with BWf O&M Manual and BESA TR19, but critically, at some stage in the lifetime of the kitchen, the fans are likely to fail and access including the possible use of lifting equipment will be needed to change them. BWf are happy to provide further guidance as required.

- Key
- Canopy
 - Extract System
 - Supply System
 - Building Outline and Existing Equipment

TECHNICAL INFORMATION

See technical details

Status: For Comment		
Rev	Details	Date
H		
G		
F		
E		
D		
C		
B		
A	Amended layout	11.02.20
-	Original	29.07.20

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CLIENT NAME & PROJECT TITLE
Space Group
The Cathedral Hotel, Salisbury
DRAWING TITLE
New Kitchen Extract System

DESIGNED BY RGB	DRAWN BY RGB
DRAWING No. 22129	SCALE 1:50@A0