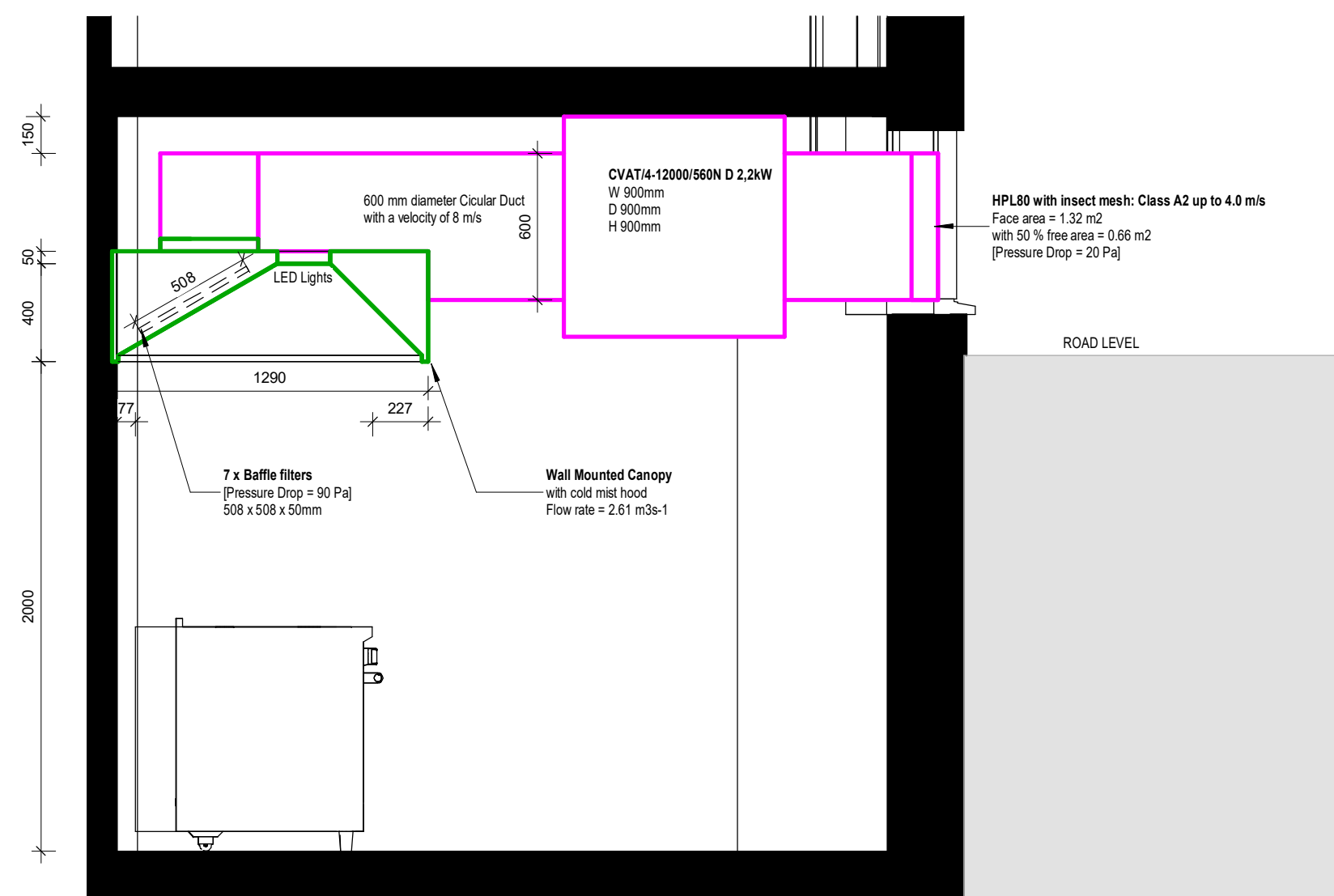


Important Note:

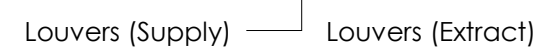
The drawing illustrates the mechanical layout for a kitchen and cold store. Key components and specifications include:

- Extraction System (Pink):**
 - 600 mm diameter Circular Duct with a velocity of 8 m/s for Extraction.
 - CVAT4-12000560N D 2.2kW (W 900mm, D 900mm, H 800mm, Sound Pressure Level = 56 dB(A)).
 - Slencers and AD (Air Duct) connections.
 - ESP 3000E1 (Pressure drop = 200 pa) (W 800mm, H 630mm, D 940mm).
 - ESP 3000E1 (Pressure drop = 200 pa) (W 900mm, H 630mm, D 940mm).
 - Wall Mounted Canopy with cold mist hood (Flow rate = 2.61 m³/s-1).
 - OC3 (Air residence time inside chamber >0.1 seconds) 300mm wide, 300mm length, 150mm height.
 - 100mm duct work connection.
- Supply System (Blue):**
 - 550 mm diameter Circular Duct with a velocity of 7m/s for Supply.
 - TCBTx204-500 (W 595mm, D 375mm, H 95 mm, Sound Pressure Level = 76 dB(A)).
 - Slencer and AD connections.
 - 2 x PLEATED PANEL AIR FILTER (G4 to EN178:2012) 584 x 204 x 97 mm (Face Velocity = 5.0m/s, Pressure Drop = 75Pa).
 - HPL80 with insect mesh: Class A2 up to 4.0 m/s (Face area = 1.32 m², with 50 % free area = 0.66 m², Pressure Drop = 20 Pa).
 - HPL80 with insect mesh: Class A2 up to 4.0 m/s (Face area = 1.11 m², with 50 % free area = 0.55 m², Pressure Drop = 20 Pa).
- Kitchen Area:**
 - 6 Rings Range Cooktop (23kw).
 - Chessee Cooker (200kw).
 - Spot Flow rate = 1.1 m³/s-1.
 - Spot Flow rate = 1.3 m³/s-1.
- Cold Store:** Indicated by a label at the bottom left.

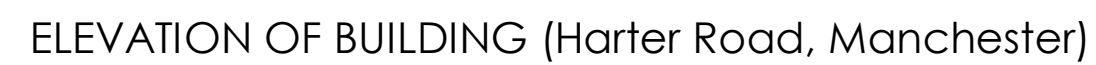
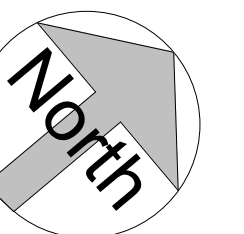
1 : 25



1 : 25



ELEVATION OF BUILDING (Harter Road, Manchester)



0 1 2 3 4 5
GRAPHIC SCALE: 1:50

PROJECT
48 Princess Street Manchester M1 6HR

Kitchen Extraction system

CLIENT Jason Wu

scale (@ A3)			As indicated	
drawn by	KK	DRAWING NUMBER	001	REV A
checked by	KK			