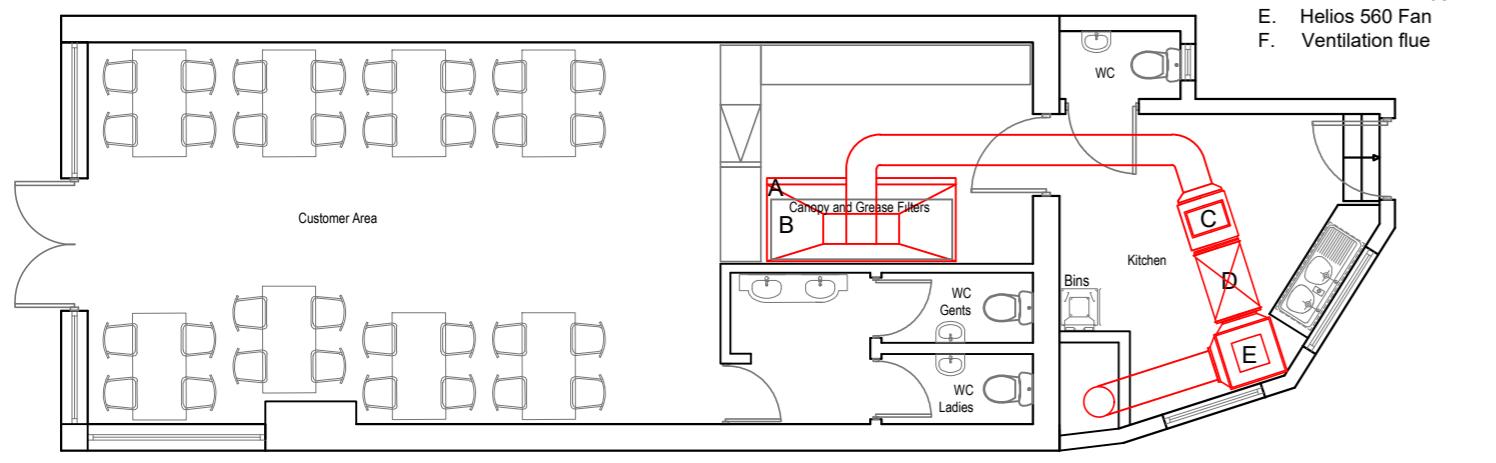


EXISTING GROUND FLOOR PLAN
Total Area : 80sqm



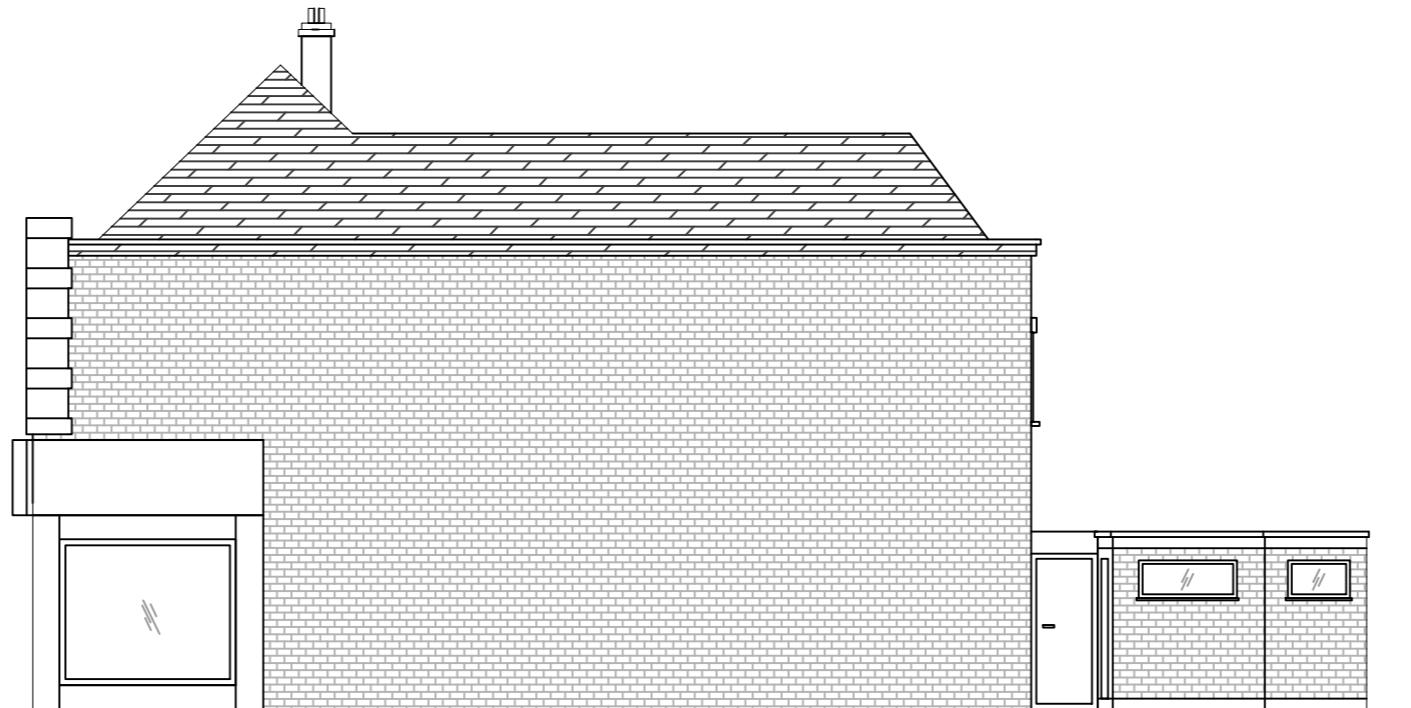
NOTES:

- A. Cooking particulates and odours
- B. Canopy and Grease Filters
- C. Particulate Control Unit ESP3000
- D. Carbon Filter Units 12X SiteSafe PA240824
- E. Helios 560 Fan
- F. Ventilation flue

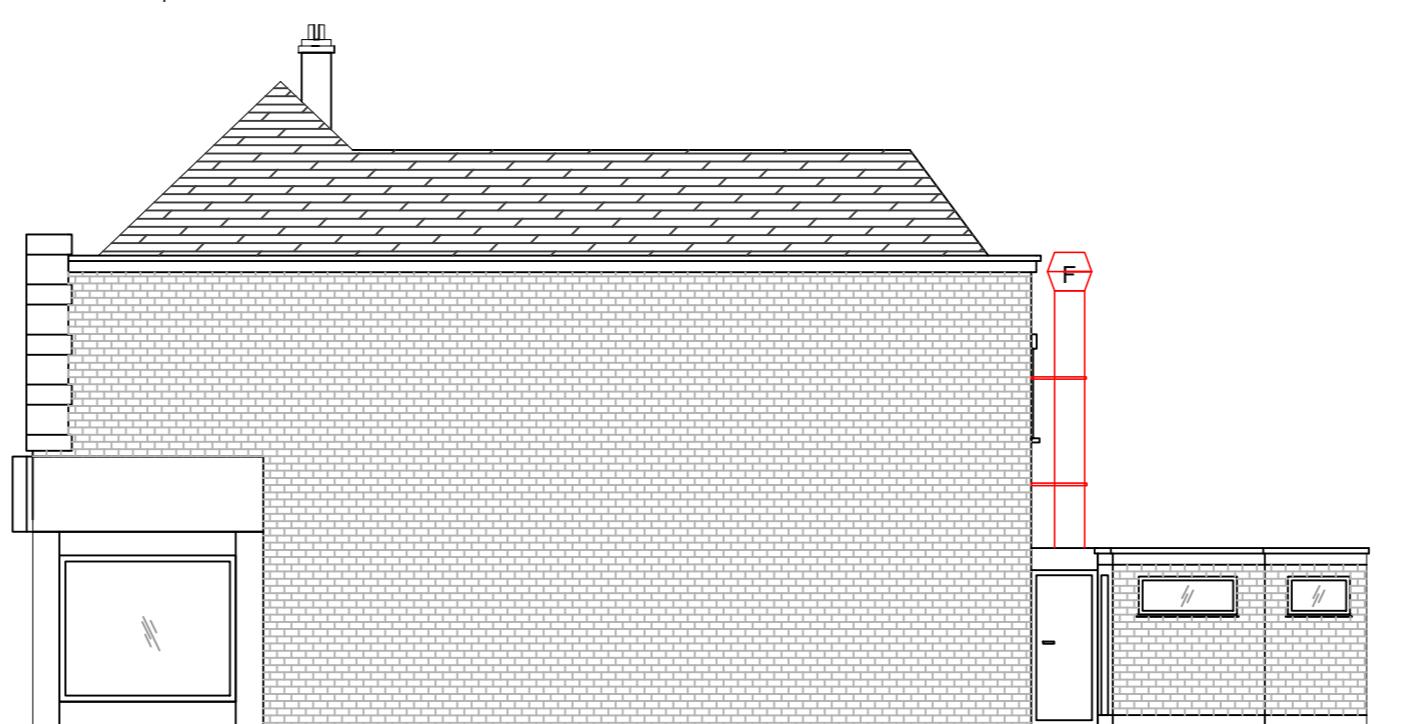


PROPOSED GROUND FLOOR PLAN
Total Area : 80sqm

0 1m 2m 3m 4m 5m 10m



EXISTING GROUND FLOOR PLAN
Total Area : 80sqm



PROPOSED GROUND FLOOR PLAN
Total Area : 80sqm



EXISTING AND PROPOSED FRONT ELEVATION
(No Change)



EXISTING REAR ELEVATION



PROPOSED REAR ELEVATION



PHOTOS
REAR SIDE OF THE PREMISES

ESP 3000E

The first stage of control will be PurifiedAir's Electrostatic Precipitator units in a double pass formation. ESP 3000E's have been specifically designed for kitchen extract and not modified from industrial use, they have integral sumps to collect the oil, grease and smoke particles filtered out of the exhaust; this not only simplifies servicing but eradicates potentially dangerous spillage from the bottom of the units and greatly cuts down on flammable build-ups within the duct run.

The ionisation voltage has been designed to run at a negative potential which enhances the ionisation of particles and also produces more Ozone which is helpful in reducing odours in kitchen applications.

PURIFIED AIR ESP - 3000E PARTICULATE CONTROL UNIT



Electrical Supply 220/240V 50Hz
Power Consumption Max Air Volume up to 1.4m³/sec
Dimensions WxHxD 900mmx630mmx640mm
Weight 85 Kg

AIR FLOW →
FRONT ELEVATION
PLAN

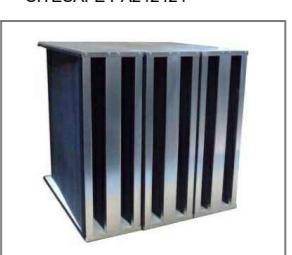
PURIFIED AIR CARBON FILTERS

The second stage of control will be Purified Air's Sitesafe carbon filters; these innovative carbon units measure 594x196x597mm, three combining to 594x594x597mm, directly replacing original carbon blocks whilst providing exactly the same filter performance as an existing full size cell.

Their advantage is that they only weigh 18kg each against the 66kg of original blocks. This takes the strain out of fitting and servicing, allowing only one engineer to complete the task where two had been previously required.

Sitesafe carbon filters use panels of activated carbon to remove the malodorous gases within the commercial kitchen extract duct through the process of chemical adsorption. By installing Purified Air ESP 3000 E units before, Sitesafe filters, the carbon life span is greatly will increase, allowing it to nullify malodours at optimum efficiency for much longer.

PURIFIED AIR CARBON UNIT SITESAFE PA242424



Size 884x196x597
Gross Weight 17.03kg
Carbon Weight 15.6kg
Rated Airflow 1000m³/hr
Pressure Drop 120Pa

SIDE ELEVATION FRONT ELEVATION PLAN

HELIOS 560 FAN

A great multifunctional box fan from German manufacturer Helios Ventilation. This fan is suitable for medium to higher airflow volumes against high resistances in every type of ventilation system. The T120 range is also suitable for the extraction of dirty, humid and hot air up to a maximum of 120Deg C.

Self-supporting frame construction from aluminium hollow profiles
Double walled side panels with 20mm thick temperature insulating and flame retardant mineral wool
Steel backward curved centrifugal impellor 90 Degree or straight through air path possible. Except T120 range which is only 90 degree air path
T120 range only has motor out of air stream
Suitable for outdoors with appropriate weather cowl
All sizes except GBD630/4 T120 can be speed controlled

HELIOS 560 FAN



air flow direction
560 360

NARTS		DrawingNo	DrawingName
Voice of Turkish & Kurdish Food Industry in Britain		2104.D1	EXISTING AND PROPOSED PLANS
GENERAL NOTES			
53 Stoke Newington High Street, London N16 8EL Tel: 020 7241 3638 Mob: 07940 414 890 www.narts.org.uk info@narts.org.uk	30/03/21		
Designed by OZ	Checked by MHR	Total Area ADD	Sheet 1-A2 Scale 1/100