



Kitchen Canopies - All Stainless Steel Works
Ductwork & Steel Fabrication - Mechanical Installations
Air-conditioning - Electrical Services
Project Management & Design

Inspection and Rectification Report For The Ventilation Services Installed

**Pepes Piri Piri
109b Oxford Street Reading
RG1 7UD**



Unit 6 Meadway Trading Estate, 429 The Meadway,
Kitts Green, Birmingham B33 0DZ
Email: k.sharred@krssteelservices.com

Contents

1. Preface.....	
2. Odour – Smoke – Grease Issues.....	
3. Noise Issues.....	
4. Future Maintenance.....	
5. Foot Note.....	

Disclaimer:

The content of this report are the opinions and recommendations of KRS Steel Services Ltd based on the information provided by the client, architect and customer. They are written “without prejudice” and not intended to be liable.

Site Report

Operatives Present:

Date of Visit: 05/04/2022

A. Marsh

G. White

1.00 Preface

KRS Steel Services Ltd have been commissioned, as an intendant advisor, to carry out a site survey of the canopy extraction and fresh air ventilation systems installed at the above premises.

KRS Steel Services Ltd have worked on Pepes projects for over 20 years and employ design and contract engineers who are fully au fait with commercial kitchen ventilation (DW172 2nd edition 2018) and DEFRA(2004)/EMAQ+ (2018) odour control requirements.

As you are aware we were asked to visit the above store, inspect the installation and advise of procedures we consider would be necessary to eliminate odour – smoke and noise issues being noted by the general public.

From our visit and inspection, the installation in principle generally complies with Pepes standard, but areas of concern were noted as detailed below, for which we advise the following rectification works should be carried out.

The noise level is acceptable when the extraction only is running.

However, the manager told me they tend to leave the fresh air off because at times it is too cold and can get a little noisy.

Once run the noise level external to the building did increase considerably and modifications to the system need to be considered – see recommendations following.

2.00. Odour and Grease Issues

The system have various stages of grease – smoke and odour control.

The canopy and ventilation system in the front of house are being cleaned by the staff and PNJ Cleaners Ltd but the back of house ductwork and plant are not and as such it can be seen a build-up of grease is occurring, which compound with the hot air exhaust from cooking is causing grease smoke and odour issues.

The ESP unit which is meant to be 95% efficient in the control of grease and smoke does not appear to be working as the “Active” green lamp is not on (albeit this could just be a bulb) but grease build up may be a concern as these types of units are meant to be serviced on a 3 monthly basis to prevent grease build up on the ioniser which if this occurs will dramatically reduce the efficiency of the unit.

This needs to be addressed immediately and an ESP specialist employed to investigate – repair and service the unit – report then to be issued

NB– I believe the client has arrange this for Wednesday 13th April

Of the other issues I propose KRS Steel Services carry out the following works:

- Attend site and install various access doors to allow the back of house system to be cleaned immediately and accessible for future cleans.
- Once installed arrange for the whole system to be deep cleaned by a BESA approved contractor to TR19 standards.
- Carbon and pre bag filters to be changed – housing to be cleaned as part the deep clean
- Supply and install an acoustic cowl over the exhaust discharge mess to provide a better visual appearance and reduce noise

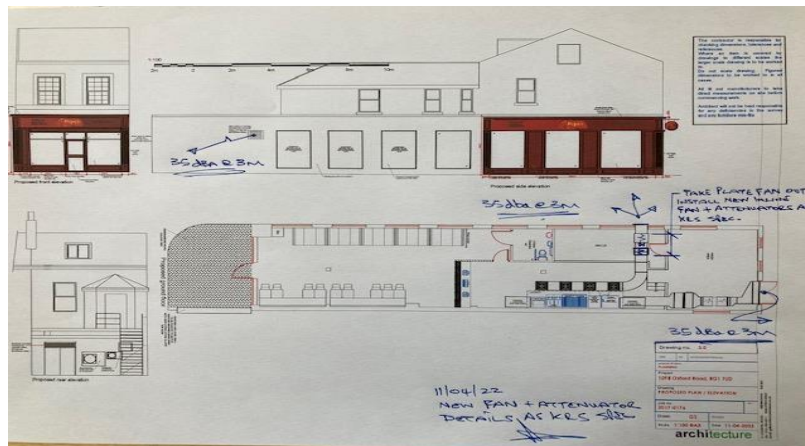
3.00. Noise Issues

Noise becomes an issue when the fresh air system is run because:

- a. A plate fan has been used which connections directly behind the intake louvre with no attention used – Fan to be changed and attenuation to be installed see below
- b. Fresh air intake located over walk way on side road – no attenuation at present.



- We proposed to take out the plate as installed and supply and install a new inline fan with suction and discharge attenuation to achieve a noise decibel rating of 35dBa @ 3metres – see sketch below:



4.00 Future Maintenance Programme

We will put in place a future maintenance programme we feel should be followed to avoid future problems occurring.

As guidance would recommend the attached service and cleaning programme be carried out after the above works have been completed

This may be altered once your cleaning contractor(s) have carried out a detailed inspection of the system(s), which would take precedence over our guidance as they are taking responsibility for the works.

**Pepes Restaurant – Takeaway
Canopy Extraction Ductwork Cleaning
Anticipated Service Periods**

item	Description	Period	Period	Period		Period	Period	Period	Comments
1. Canopy and Baffle Filters	On site personal to take out baffle filters installed in the canopy - clean with damp cloth, hot water + degreasing agent – dry and replace – repeat for external canopy clean	Daily	Daily	Daily		Daily	Daily	Daily	
2. System Inspection	System as installed to be inspected by BESA approved contractor – Inspection to comply with TR19 good practice internal cleanliness of ventilation systems	Approx. 8 weeks of opening							BESA is the recognised body for DW172 works which includes TR19 good practice of working
3. ESP Unit	ESP engineer to attend site and service unit and change 6 No unit pre-filters (4 visits per year)	Three Months		Six Months		Nine Months		Twelve Months	System inspection to confirm if this is sufficient
4. Bag Filters	Carbon pre-filters to be changed or cleaned on a regular basis (can be by site staff)	Two Months	Two Months	Two Months		Two Months	Two Months	Two Months	Service Contractor to advise further during visits
5. Carbon Filters	Carbon filters to be change once life efficiency has been						Nine to	Twelve Months	Service Contractor to advise during visits
6. Duct Clean	Deep clean of Canopy and ducting system to TR19 BESA Standard			Six Months				Twelve Months	Service Contractor to advise during visits

5.00 Foot Note

The above works are the minimum required for the ventilation systems to be considered as installed to the design intent based on the present known information.

These works may not be conclusive and further works may be required once the systems have been commissioned, run and monitored.

Signed K. Sharred
Owner

Date: 11/04/2022