

**ODOUR AND NOISE CONTROL STATEMENT FOR THE PROPOSED EXTRACTION SYSTEM AT
UNIT 5 SALTBOX ROAD, BERSTED, BOGNOR REGIS, PO22 9NW**

EXISTING USE

The unit is a newly built drive-thru under the developer's application BE/135/18/PL and any subsequent amendments.

PURPOSE OF THE EXTRACT SYSTEM

The proposal includes for the installation of a new extract duct and housing through the roof to accommodate both main shop and WC extract systems.

A new extract system is proposed for the ground floor retail unit areas only. The system is formed of Galvanised sheet steel ducting to standard DW144 and DW172. Ductwork size will be no more than 315 mm in diameter and will be complete with access panels at 2000 mm spaces for inspection and cleaning.

The ductwork will be run to the following areas:

- 1: Refrigeration equipment
- 2: Ovens
- 3: Staff areas

The purposed use of the extract system is as follows:

1: Refrigerated Equipment:

Remove excess heat, this helps the performance of the equipment. 600 x 600 grilles will be fitted above the refrigerated cabinets within the suspended ceiling grid.

2: Ovens

Remove excess heat and steam when the oven doors are opened. A polished stainless steel oven canopy complete with baffle filters will be fitted above the ovens connected to the extract system.

3: Staff areas

Provide ventilation as outlined in the building regulations.

The extract system to ground floor is proposed to exit through rear elevation above the rear door, this will be via a 450 mm x 450 mm louvre.

TYPE OF FOOD PREPARED

The majority of the food served within our premises is pre-prepared products baked off from frozen. We do not use cooking processes such as deep or shallow frying, grilling, griddling or any other more odorous kitchen processes. The type of foods we bake from frozen are as follows:

- 1: Selection of frozen savouries
- 2: Multigrain and white baguettes
- 3: Croissants
- 4: Pizza slices
- 5: Selection of breakfast products inclusive of bacon, this is the only product baked from chilled.

As all of the products, apart from bacon, is cooked from frozen, it should be considered as outlined in the Defra Guidance the cooking type and grease loading is low to moderate.

DETAILS OF PROPOSED FILTRATION/DEODOURISERS

The proposal is to install the following filtration measures to the extract system:

1: Baffle filters connected to the oven canopy

Purpose to catch any grease which may escape into the ventilation system

2: Oven condensers

The basic principle employed by installing an oven condenser is to remove baking odours by removing them as steam and then condensate into water. When the oven operator presses the damper button it opens a valve on the damper (exhaust) inside the oven chamber. This releases the steam from the baking chamber into the condenser which is sited on top of the oven, within the condenser is a bath of cold water.

3: Pleated Panel Filters

The filter will be used as first line pre filter. Refer to attached manufacture's specifications for further details.

4: Carbon-pleat Disposal Panel Filter

As noted on the drawing the filter will be used to remove any additional odours which may escape into the system past the condenser and panel filter. Refer to attached manufacture's specifications for further details.

The extract is proposed to run during trading hours only.

EXTRACT UNIT LOCATION

The extract system is proposed to exhaust via the new extract housing located through the roof.

SCHEDULED MAINTENANCE PLAN

We routinely maintain our extract system's equipment based on manufacturer's specifications as follows:

1: Baffle Filters

Due to the nature of cooking these are be routinely inspected and cleaned by our in-house maintenance team once every 3 months. If the LA feel these should be cleaned more frequently we can increase the routine maintenance to these filters.

2: Oven Condensers

As part of our routine in-house maintenance schedule, once every 3 months.

3: Pleated filters

As part of our routine in-house maintenance schedule, change once every 6 months.

4: Carbon Filters

As part of our routine in-house maintenance schedule, change once every 6 months.

AIR CONDITIONING SYSTEM

We propose to install two air conditioning condenser units on the North Elevation. They will be installed on feet and within a mesh cage to protect from vandalism and damage. Please refer to manufacturer's spec attached.

NOISE IMPACT

The nearest noise sensitive receptor [the caravan park] is at least 110 m away. With sound falling off at 6dB for every doubling of the distance there will be negligible impact on the nearest residential dwelling.

Signed applicant



Date: 30 April 2021