

The Martin Ralph Group Ref: 15/056

VENTILLATION STATEMENT

IN RESPECT OF

A1/A5 CHANGE OF USE

TO

14 MARKET PARADE

HAVANT, HAMPSHIRE

PO9 1QF

MARCH 2015

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1.0 DESCRIPTION

The property comprises of a single story (Vacant) retail/consultancy store situated on the ground floor. Two party walls make up the boundary to the side elevations as the property is neighboured by two retail establishments. The front elevation is used for customer access as it sits directly onto Market parade road. The rear elevation backs onto a car park/ courtyard, which is also used for bin storage for the community of shops/restaurants that sit within the same terrace.

2.0 VENTILLATION & EXTRACTION

The service and consumption of food will be undertaken within what is currently the shop floor, towards the front of the store. The preparation of food will be conducted further back within the premises, near the rear walls along the North and East elevation.

The design allows for the provision of medium to heavy duty extract hoods/canopies above the grill and hob areas. It has been identified that this area requires the focus of mechanical extract.

Extract taken from the kitchen will be evacuated from the building via stainless steel ducting, constructed to HVCA specification DW/144. To ensure that odour control is sufficient and that any impact to local amenities is restricted, the appropriate arrestment equipment is to be installed. The equipment employed will include fine filtration followed by carbon filtration. The extract will be discharged horizontally from the rear elevation, within the courtyard area. The area is below the ridge line of the neighbouring property to the North however, this has not been identified as having a negative impact due to the absence of any windows within this elevation. Inspection of the surrounding area has revealed that several properties of a similar location and capacity (restaurants/ takeaways) have utilized horizontal stacks for the expulsion of ventilation, *fig 1*.



Fig.1 – Extract to neighbouring properties

Due to the presence of mechanical ventilation, the design will include provision for sound attenuation. Operation time will be between 1200 and 0000, therefore the sound generated during these sensitive times will be mitigated using several methods. All ducts and equipment are to be fixed using neoprene or spring hanger to ensure they are isolated from

the structure with silencers in critical areas. The presence of residential units above the premises demands the careful selection of the fans and as such, sound power will be of the highest consideration when specifying this component of the ventilation system.

There have been no issues identified with access for maintenance and a two weekly cleaning schedule is proposed to ensure reduction of sound transmittance, odour accumulation and fire risk. As with the ease of access for maintenance, the proposed design does not impose any significant restrictions for fire fighting crew.