

The Martin Ralph Group Ref: 15/057

VENTILLATION STATEMENT

IN RESPECT OF

A1/A5 CHANGE OF USE

TO

3 MARKET PARADE

HAVANT, HAMPSHIRE

PO9 1QF

MARCH 2015

CONTENTS

1.0 DESCRIPTION

2.0 VENTILATION & EXTRACTION

1.0 DESCRIPTION

The property comprises of a single story (Vacant) retail 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 small courtyard, which is also used for storage, which can only be accessed from 3 Market Parade and the neighbouring property.

2.0 VENTILLATION & EXTRACTION

The service 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.

The design allows for the provision of medium 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 dedicated courtyard area. The area is below the ridge line of the property above however, it is proposed that discharge within this area is acceptable subject to the appropriate odour control measures. 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 2300, 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.