



**P.J. Cozens**  
**Building Services Consultants**

**The Boathouse  
Rose Cottage  
Mill Road  
Stalham Staithe  
Norfolk, NR12 9BT**

**Tel. 01692 582902  
Email : [mail@pjcozens.co.uk](mailto:mail@pjcozens.co.uk)**

Roberts Molloy Associates  
3 Church Lane  
Bressingham  
Diss, Norfolk  
IP22 2AE

Ref: 6272/SY/7757

Date: 11<sup>th</sup> March 2019

Dear Sirs

**RE: THE OLD NEWSAGENTS, BELL HILL COTTAGE, RICKINGHALL**

Further to your email dated 8/11/19 we detail below our comments on the extract ventilation proposals for a new Pizza takeaway at the above based upon the details included as follows: -

Drawing No 04D – Proposed Floor Plans, Elevations & Specification Notes  
Drawing No 06A – Proposed Internal Sections & Door, Details & Specification Notes  
Ventilation Product Data Sheets.

The ventilation scheme comprises of a single grease filter extraction canopy over a grill, with the connecting extract duct system including carbon filters, extract fan and silencer positioned internally within a fire rated cupboard on the first floor, before passing through the pitched roof to the terminal cowl.

This scheme has been approved as satisfying the requirements of the local Environmental Health officer and therefore our comments are provided to assist with providing an enhanced understanding of the proposals.

As all the main ventilation equipment is to be installed internally, this has the advantage of limiting direct noise breakout from fans casings to outside. This noise will firstly be reduced by the equipment cupboard which has dense fire rated materials and then secondly by the main building fabric walls. In-duct noise from the fan shall be controlled on the exhaust duct to the roof cowl via the use of a high performance silencer to reduce the noise level before the roof cowl.

It should be noted that the terminal does not appear to be located in direct proximity to residential properties and with the The Bell Inn pub and restaurant directly opposite, which would have their own kitchen extract system, should not cause any noise greater than is presently experienced.

With regard potential odour, the installation will incorporate a two stage filter system for odour reduction. The first stage is the canopy grease filters to capture any grease particulate, which also assists in protecting the second stage carbon filters which are an effective medium for eliminating odour. The height of the terminal should also assist in reducing any potential concerns.

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In conclusion we believe the proposals have considered the recommendations as detailed in DW/172 Specification for Kitchen Ventilation Systems.

Yours faithfully

*S. Youngman*

S. YOUNGMAN, Eng Tech, LCIBSE, FCIPHE  
For P.J. COZENS

