**RADISSON BLU EDWARDIAN HOTELS J927 20 February 2015**

**PLANNING APPLCIATION**

**GRAFTON HOTEL 130 TOTTENHAM COURT ROAD LONDON W1T 5AY GREAT BRITISH FISH CO. IN FITZROY COURT**

**NOISE AND ODOUR EMISSIONS**

A number of take-away restaurants within the London hotels are currently being planned. These outlets are within the hotels, but are self-contained operations accessible only from the street, with no direct customer access from the hotel.

The first example was completed in 2014 at the Hampshire Hotel in Leicester square, London WC2 which has a street frontage at Irving Street.

The planning Use Class is A5 and in most cases a local change of use permission is required. The planning applications indicate all new air extract equipment will be located to avoid nuisance to users, other commercial occupiers and residents from noise, vibration and smells. Ductwork and equipment will be concealed where possible within the buildings. Where this is not possible such as at the Grafton Hotel, external routes will be in discreet positions using square ducting where they may be less visible by occupants, neighbours and from the public domain.

Application drawings clearly show the proposed equipment and ducting route, marked over survey drawings of the existing hotel.

**EXTRACTING ODOURS**

The preparation of fresh fried fish and chips on a continual cycle requires special catering equipment as well as air and hydrocarbons extract systems, which are not similar to a conventional catering kitchen extract hood and flue system.

The proposal for the Grafton Hotel (Fitzroy Court) is for the use of an Electrostatic Precipitator (ESP) type ESP 3000E, manufactured by Purified Air Ltd. (**see attached technical details**) This unit is directly connected by ducting to the pans and fish display at the counter and withdraws an air stream containing grease and smoke into an exhaust system. Various types of filters and an ionisation process produces a highly efficient system of providing clean air within the working space and at discharge level. This equipment will be internal*- not* located externally.

An odour neutraliser type O.N 100 will be included within the extract system (**see attached technical** **details)**

The air extraction system will be by means of a Hopkins extract fan and silencer mounted next to the filtration and odour neutraliser, (**see attached technical details**)

The above system has been installed in the Radisson Blu Edwardian Hampshire Hotel in Leicester Square, London and continues to operate successfully.

**NOISE EMISSIONS**

The proposed extract system wills placed internally within the building and the Hopkins extractor fan will be integrated within the extract and filter system within the building. The fan is quiet in operation and will therefore not generate any additional noise in the external environment. The roof outlet terminal will not include any additional moving mechanical equipment, rendering the terminal as an air outlet only.

Attached –

Purified Air – Modular Electrostatic Precipitator – details

Purified Air- O.N. Odour neutraliser – details

Hopkins 300mm fan and Circular straight silencer- technical data sheets

Hopkins Carbon Filter - details