

Hugh Street Café

Proposed installation of kitchen extraction and air conditioning system

Design and Access Statement

Overview:

We are seeking planning permission to install a new, fit for purpose kitchen extraction system in the café kitchen and add air conditioning to the back storeroom and front serving area.

In the 4 years since we took on the business we have increased the food offering and seating, the combination of the two means that the existing extractor fan is no longer fit for purpose. We have no extraction hood or ducting, meaning the fan we have now is trying, unsuccessfully to extract heat from the whole café and kitchen area.

We therefore wish to put in a new extraction system with cooker hood and ducting to better mitigate the smells and heat from the kitchen. The hood and ducting will mean that the fan will be more successful in removing the heat from the kitchen as its power will be concentrated on a specific area.

There will be 2 air conditioning units, the first located in our store room and the second, larger unit in the front serving area of the café.

Design and scale:

The new extractor fan will exit from the existing site, and the air conditioning unit will sit alongside it. They will sit at a height of 3.16 meters to lessen the impact at eye level.

Noise and Impact:

The new systems will enable us to further improve our working environment for staff, whilst the air conditioning unit in the front of the café will help to improve the customer experience.

The new fans will be quieter than the system we currently have, as it is a more up to date model and will be built with our needs taken into consideration.

We hope to be able to use the extractor fan less as it will be a more effect system for the job.

Site waste management plan:

There will be little waste from this work, any waste we will have will be disposed of at the Waste & Recycling centre at Moorwell.

Ventilation and Extraction Statement:

Current extractor fan:



Air conditioning unit:

We are proposing to install 2 air conditioning units inside the café, these will feed to an external condenser unit that will be situated to the right of our current extractor fan. We have chosen an option that enables us to install 1 unit to the outside of the wall, rather than 1 per unit, therefore improving the site visually, whilst also minimising the noise from the unit.

The proposed unit is a Mitsubishi MXZ-5F102VF. This unit is white and the bracketry to support the unit will be in galvanised steel Unistruct fixed directly to the wall.

The highest sound level of the unit is 65dB.



Kitchen Extraction:

The proposed kitchen extraction fan will be situated in the site of our current fan, it will have a short section of galvanised steel with a grey plastic backdraft shutter on the termination.

The proposed external fan is an AW 400E4 sileo Axial fan. The highest sound level of this unit is 64dB, however the sound pressure drops after every metre of square duct and any change in direction. The final sound level will therefore be lower than the stated 64dB.

This is a substantial reduction in volume from our current fan.

