

inspire:

12th June 2023

ref: Cov letter

Re: Installation of louvred panel to skylight above door to western elevation at The Lincoln Building, Manchester M2 5BU to provide ducted fresh air to cook line for proposed ZaaP Thai Restaurant, Unit 1 & 2.

Dear Sirs / Madam,

Please find attached our application for the above. You will note we have included other reports and surveys that have been produced to support this application.

Having undertaken extensive research and feasibilities in order to enable the combined units (1 & 2), to be used for restaurant use, our main concern has been finding a route for the kitchen extract together with a solution for bringing fresh air into the cook line to prevent the build up of CO₂ associated with the style of cooking being proposed.

Drawings Nos: ZaaP/Manc/PP/01 & 02

We have indicated on the above drawings our initial layout of the ground floor restaurant together with the roof plan showing areas as delineated by the Landlord for the siting of plant.

We have highlighted the proposed extract ductwork as agreed with the Landlord and how this will raise up through the building via the service riser to the areas where plant will be accommodated.

Having resolved this issue our next major concern was how to bring fresh air into the unit in sufficient quantity to prevent the build up of CO₂ along the cookline. We have explored various options all of which have been unsatisfactory and have concluded the most sensible solution would be to bring fresh air into the unit via a louvre that would replace the fanlight over the door to the western elevation. This has been indicated on the above drawing. We feel that this was the least prominent elevation.

Additional information sheets 1-3

Sheet 1 – We have shown an extract from the structural engineers drawings highlighting the perimeter beam, together with on site photographs and the Architects typical section. It can be seen from these images and drawings that the louvred detail which forms part of the fenestration has become obscured by the steelwork and thus, makes the louvred panel limited in its use.

Sheet 2 – Extract from Architects drawings showing the composition of some of the shopfronts. We have highlighted the shopfront to the west elevation and indicated the fanlight which is the subject of this application to be made into a louvred panel as per the existing louvres.

Sheet 3 – View of the western elevation with how the proposal would look in reality. We feel that this minor change to this secondary elevation is an acceptable solution in terms of our proposals. Louvres would be from the same manufacturer of the shopfront and finished in the same RAL colour of the frames.

Statutory Guidelines and Regulations regarding CO2 levels in Commercial Kitchens

We have included extracts from various reports and guidelines regarding CO2 levels in commercial kitchens as supplied by our clients mechanical and ventilation consultant, KES Facilities Ltd in support of this application.

Summary

Together with all of the documentation submitted in this application we have tried to highlight all of the relevant information to enlighten yourselves as to our reasoning for the proposal.

We trust you come to the same conclusions as ourselves and you look favourably upon this application.

Should you wish to discuss the matter further or require additional information then please do not hesitate to contact me.

Yours faithfully,

Peter Schofield RIBA