

Mr. Paul Briggs,
Northern Design Partnership
The Chapel
Millmoor Road
Meltham
Holmfirth
HD9 5JU

12th February 2020

Dear Paul,

Re: Orchard Street West, Longwood

I write further to our noise assessment at the above location in support of the planning application for five residential dwellings and the most recent response to this assessment issued by Kirklees Planning Department. In their response of the 23rd December 2020, Kirklees Planning Department states the following:

Condition 3 (Noise)

You have submitted the Noise Report ref. 'DRUK/ACC/RS/AKOSWLH/2810' to discharge condition 3.

While broadly supportive of the report and its recommendations, because the report identifies that some windows need to be kept closed to prevent excessive noise levels in the dwellings, further information is required to address officer concerns in regards to ventilation. Trickle ventilation alone is unlikely to provide sufficient ventilation to help control thermal comfort without the need to open windows and would therefore not be acceptable.

Given these concerns, condition 3 is not discharged at this time. If the requested details are provided within four weeks of the date of this letter, they will be accepted as part of this application, please quote 2019/93683 and a further fee will not be required.

The issue of internal noise levels and ventilation has been and continues to be a contentious issue. The passive ventilation system detailed within the noise report was in general compliance with the requirements of Approved Document F (ADF) and resulted in internal noise levels that complied with the adopted design guide values. Despite this the comments above indicate that the Local Planning Authority require additional ventilation measures. Again, the issue of thermal comfort and ventilation has and continues to provide considerable 'food' for debate, therefore the following comments will be related to the provisions of 'rapid' ventilation as defined within ADF.

In order to provide 'rapid' ventilation that is akin to opening a window, recourse to some form of mechanical ventilation is often the solution. Although mechanical ventilation can provide 'rapid' ventilation, care must be exercised in its selection and installation as the

situation could arise where noise from the operation of the system is at least as great as that which exists externally.

With this in mind a number of possible solutions exist, of which the Envirovent Silent MV range appears to offer a combination of 'rapid' ventilation combined with low self noise levels. Other manufacturers and suppliers also produce units with a similar specification and these would also be acceptable for the proposed residential development.

Therefore, in order to allay the Local Planning Authority's concerns, I would suggest that a mechanical ventilation strategy is adopted for the development. In the first instance, I would suggest that a mechanical ventilation strategy may only be applicable to the proposed three houses on the on the western flank of the proposed development site. Despite this, it would be prudent to discuss this potential solution with the Local Planning Authority.

I hope the foregoing provides some basic guidance on a possible solution to the issue of ventilation that should comply with the Local Planning Authority's requirements.

Should you have any queries, please do not hesitate to contact me.

Yours sincerely,



Robert Smith.