



<b>Project:</b>	Project H
<b>Client:</b>	WCML
<b>Title:</b>	Briefing Note – Gatehouse Planning
<b>File Ref.:</b>	3244/3/4
<b>Rev:</b>	*
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## **1.00 Introduction**

A Planning application has been lodged in respect of the Gatehouse.

The purpose of the report is to summarise the position in relation to noise and vibration in respect of the services installations. .

## **2.00 Brief**

The Brief has been to develop the services installations in such a way as to ensure there is no external manifestation of the services and that there is no noise or vibration issues attributable to the services installations.

## **.3.00 Proposed heating and ventilation systems.**

The ventilation systems installed will fall into three categories:-

- Natural ventilation via opening windows – this will apply to the majority of occupied spaces above ground, thus no visible ventilation to these areas.
- Local extract for above ground wet areas (kitchen/WCs). To avoid penetrations by use of wall grilles all these will be vented to atmosphere by tile vents behind (and obscured by) the parapet. Thus no visible ventilation to these areas.
- Ventilation of basement rooms – this will be supply and extract ventilation (with heat recovery) within the plant mounted in the basement plant zone. Again to avoid grilles etc on the building facade the proposal is to reuse the existing chimney as a route to the external.

To avoid new boiler flues etc all heating will be sourced from the main house plant. This also has the advantage of removing the current, rather unsightly, stainless steel flue to this building.

No cooling is being considered hence no external condensers, or indeed any external plant whatsoever, is required.



All plant serving the basement and above ground floors will be mounted in the basement plantroom. The scale of the plant is relatively small and consist of cylinders and small pumps, the scale being that of a large domestic rather than commercial etc. In addition anti vibration mountings will be installed to all plant.

#### **4.00 Conclusions**

In summary then great care been the mechanical services design to ensure that the services to be installed will have no external manifestation, will not contribute to external noise levels at the site boundary and will not generate noise or vibration that will in any way transmitted to or through the structure.