

99 Gloucester Avenue,
NW1 8LB

Cooling Hierarchy Statement

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This document has been written to support the Planning Application for proposed works to 99 Gloucester Avenue, NW1 8LB.

This statement confirms that other passive forms of ventilation have been explored and they are listed below which ones they are applicable to the property.

The Cooling Hierarchy

- Heating and Cooling ceiling systems – Ventilation combined with active cooling systems
- Purge ventilation – Accoustically treated extractor fans in habitable rooms – Only located in the bathrooms
- Oversized MVHR and Radial Ducting – Increased extract and supply rated of warm or cool air – Not applicable as there are no major internal works at the property – not structural works – only decoration
- Ground to air subsoil exchanger – non applicable
- Compressor chiller and enthalpy – non applicable
- Chilled water coil – non applicable

Passive Ventilation Applicable in the property

- Small Inlet, Big Outlet – Opening the windows to create a type of vacuum effect, which will increase the speed of the air flowing in the room
- Openings at Diagonal Opposites – The windows can be open front and rear which will allow wind to flow and crosses the whole house.
- Roof vents – Openable rooflight located in the roof – to allow the hot air to escape.

