

(56) **VENTILATION**

(56) **01** **MECHANICAL VENTILATION**

To be designed in accordance with Approved Document F and L of the Building Regulations and as required to achieve necessary SAP rating.

MVHR VENTILATION

MVHR system to be located in accessible area of loft space with access for maintenance. Unit to be connected to switched fused spur located above bathroom door on landing. Fresh air outlets in habitable rooms to incorporate carbon filters.

INTEGRAL AUTOMATIC SUMMER BYPASS WITH NO REDUCTION IN AIRFLOW

The bypass damper shall open automatically via a wax actuator, allowing the air to bypass the heat exchanger to deliver fresh filtered air during the warmer months. The automatic bypass diverts 100% airflow around the heat exchanger with no reduction in airflow as independently tested by the BRE.

INTEGRAL HUMIDITY SENSOR

The integral humidity sensor incorporated within the extract fan chamber will automatically boost both the extract and supply fan, to the commissioned boost speed, when the humidity level exceeds that set by the front panel mounted adjustment potentiometer.

Purge ventilation to be provided via openable windows to meet the requirements of Approved Document 'F' of the building regulations. If openable windows are not possible, the MVHR system should be designed to included purge requirements.