



**University of Reading, London Road,
Reading, RG1 5QA
Air Quality Statement**

By Thomas Homes

Planning Application no. 150730

Condition no. 16

August 2017

- 1 The ventilation is to comply with Building Regulations Part F 2013
- 2 Dwellings are to be ventilated by a System 4 continuous mechanical supply and extract with heat recovery. The whole dwelling ventilation supply rate is 13l/c for 1 bed units and 17l/s for 2 bed units. The whole dwelling ventilation extract rate is 21l/s. The ventilation system has been designed by Greenwood using their Vireo HR155 system for wall or cupboard mounting with SMART technology, controller, ducting and ancillaries.
- 3 The inlet and outlet vents are all situated on the rear walls or through roof vents on the building. Air is not drawn into the system from the London Road side of the building, in order to reduce the potential for poorer quality air entering the system.
- 4 Purge ventilation to habitable rooms will be provided by the existing windows and will be a minimum of 1/20th of the floor area of the room.
- 5 Extracts are to be provided from each wet room, kitchen and utility cupboard. Air will be supplied to each habitable room.
- 6 Background ventilators are not required with System 4.
- 7 The bathroom extract will boost on activation off the light switch. The kitchen extract will boost by means of a switch on the multi-grid panel.
- 8 The internal doors will be undercut by 10mm above floor finish to allow for air flow.
- 9 The flow rate testing of the extract fans and commissioning results certificates will be sent to Building Control prior to completion.