CLIMATE CHANGE STATEMENT

Applicant Mr Julian Chambers

Site Address Woodview Farm
42 Manor Road
Farnley Tyas
HD4 6UL

Job nr. 23034

Project details Change of use and conversion of barn to dwelling with associated alterations (within a Conservation Area)

Climate Change Mitigation Measures

Question 1: **What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (see section 2 of guidance notes)**

* The building will be air tight and will utilise high quality building materials.
* All new appliances will be energy efficient.

Question 2: **What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reducing existing on-site materials or sourcing materials locally? (see section 3 of the guidance notes)**

* Building materials including the walling stone will be sourced locally, to reduce the need for transport.
* The existing Building footprint is not being extended and therefore there will be no use of unnecessary materials.
* Local contractors will be employed to carry out the work.
* Materials which have a long lift span and require little maintenance will be used.
* Maximise the use of timber from sustainable Forest Stewardship Council (FSC) sources. If other timber is used it will be from a known source with a sustainable purchasing policy.

Question 3: **What measures have been/will be taken to utilise renewable or low carbon energy sources? (see section 4 of the guidance notes)**

n/a

Question 4: **What measures have been/will be taken to ensure the building design and layout has been optimsed to energy efficiency beyond the minimum requirements in Part L of the Building Regulations? (see section 5 of the guidance notes)**

* Insulation used in the development will meet with the Building Regulation requirements, as a minimum.
* All new glazing will be thermally broken frames with sealed double glazed units.
* All new lighting will be low energy.
* the rooflights and thermally efficient glazing will increase natural daylight and reduce the amount of time artificial lights will be required to be on.

Question 5: **What measures have been/will be taken to reduce potential impacts of flooding associated with your development? (see section 6 of the guidance notes)**

* Thebuilding is located within flood zone 1 (low risk of flooding)

Question 6: **What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. water retention and minimisation measures) (see sections 7 and 8 of the guidance notes)**

* The sanitary fixxtures which will have low flow, water efficient fixtures. Showers have been specified to bathrooms rathern than baths.

Question 7: **What measures have been/will be taken to provide biodiversity net gains? (see section 8 of the guidance notes)**

not applicable

Question 8: **What measures have been/will be taken to reduce air pollution associated with your proposed development? (see section 9 of the guidance notes)**

* Materials and labour to be sourced locally to reduce transport emissions.