CLIMATE CHANGE STATEMENT

Applicant	Mr A Randhawa
Site Address	Foxglove Road, Almondbury Huddersfield HD5 8LW
Job nr.	20118
Project details	New dwelling

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 use MVHR and an air source heat pump (ASHP) to provide efficient heating and ventilation for the building.
* The building will benefit from underfloor heating used in conjunction with the ASHP.
* All new appliances will be energy efficient.
* The development maintains outdoor space suitable for drying washing naturally.

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 ashlar stone will be sourced locally, to reduce the need for transport.
* Building footprint is designed to avoid the 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)

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

* The MVHR and air source heat pump are low carbon energy sources

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.
* Mechanical Ventilation Heat Recovery (MVHR) will be used in conjunction with an air tight construction

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)**

* The new dwelling is within flood zone 1 (low risk of flooding) and sits in an elevated position above the road

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)**

Low flow, water efficient fixtures will be used

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.