

## **Appendix A – Climate Change Statement**

### **Climate Change Statement for Planning Applications**

#### **Part 1: Applicant details**

Name of applicant/agent	M.Gorji Den Architecture (Alan Powell)
Site Address	12 Milford Grove, Gomersal, Cleckheaton, BD19 4BB
Description of Development	Home Extension

#### **Part 2: Climate Change Mitigation measures**

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:
Q1: 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)
Enhanced Insulation to minimise heat loss. Energy Efficient Windows with low-e glass and thermal broken frames. Energy Efficient Heating Solar panel system Passive solar design – Extension designed with roof light to allow maximum natural light and heat from the sun into ground floor Ventilation – Integrate mechanical ventilation with heat recovery system Smart Home Technology – Implement smart thermostats and energy management system to optimize energy use based on occupancy and time of day. LED Lighting – Use of energy efficient lighting. Landscaping – Design outdoor space with native plants that require less water and maintenance. Also plant trees for future shading.
Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)
Waste management - Reusing existing material where we can. Other material sourced locally.

<p>Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)</p>
<p>Installation of solar panels to generate electricity from sunlight.</p>
<p>Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)</p>
<p>High performance insulation Airtight construction Energy Efficient windows LED lighting and smart controls</p>
<p>Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)</p>
<p>Permeable driveway Landscaping and grading to direct water away from the building</p>
<p>Q6: 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)</p>
<p>Water efficient fixtures – for low flow water consumption Efficient appliances such as dishwashers and washing machines that consume less water per cycle</p>
<p>Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)</p>
<p>Green roof on flat roof that promote plant growth</p>
<p>Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)</p>
<p>Landscaping with trees Reduce construction emission – limiting idling time Maximised natural ventilation by flexible window openings</p>