Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Tom Daniel - Agent, Studio 307 Architecture
Site Address	3 Park View Court BD19 3FA
Description of Development	Proposed loft conversion with dormer extension to the rear.

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)
The proposed loft conversion will incorporate measures to improve energy efficiency and reduce energy demand beyond the minimum requirements of Building Regulations, where practicable. These measures will include enhanced roof and wall insulation, high-performance glazing to minimise heat loss, and draught-proofing to reduce air leakage. Energy-efficient LED lighting will be installed throughout the new accommodation. The design will also maximise the use of natural daylight and ventilation to reduce reliance on artificial lighting and mechanical cooling. These measures will help minimise energy consumption, reduce carbon emissions and improve the overall thermal efficiency of the dwelling.
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)
The proposed loft conversion will seek to minimise embodied carbon associated with construction through the efficient use of materials and resources. Wherever practicable, existing structural elements and materials will be retained and reused, reducing the need for new materials and associated waste. Construction materials will be sourced locally where feasible to minimise transportation emissions. Materials will be selected with consideration to their durability, sustainability and environmental impact. Waste generated during construction will be minimised through careful planning, with materials recycled or reused wherever possible.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The proposed loft conversion will seek to minimize reliance on high-carbon energy s
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)
The loft conversion has been designed to maximise energy efficiency and minimise heat loss beyond the minimum requirements of Part L of the Building Regulations, where practicable. The design will incorporate enhanced insulation to the roof slopes, walls and floors, together with energy-efficient roof windows and appropriate draught-proofing to minimise unwanted heat loss. The layout will make effective use of natural daylight and ventilation, reducing the need for artificial lighting and mechanical cooling. Energy-efficient LED lighting will also be installed throughout the converted space. These measures will improve the thermal performance of the property, reduce energy consumption and help lower associated carbon emissions.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
The proposed loft conversion will be contained within the existing footprint of the dwelling and will not result in any increase in impermeable ground surfaces or alter existing drainage arrangements. As a result, the development is not expected to increase surface water run-off or contribute to flood risk. Existing drainage infrastructure will be retained, and no additional pressure will be placed on local drainage systems. Appropriate measures will be taken during construction to prevent debris or construction materials entering existing drainage systems.
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)
The proposed loft conversion will seek to minimise additional water consumption through the use of water-efficient fittings and appliances, where applicable. Any new bathroom or shower facilities will incorporate water-efficient taps, shower fittings and dual-flush toilet systems to reduce unnecessary water usage. Existing water supply and drainage infrastructure will be utilised wherever possible, avoiding the need for significant additional infrastructure. These measures will help minimise water demand and reduce pressure on local water resources.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The proposed loft conversion will be undertaken within the existing roof space of the dwelling and will not result in the loss of garden areas, trees, hedgerows or other existing habitats. The development is therefore expected to have minimal impact on existing biodiversity
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
The proposed loft conversion is a relatively small-scale development and is not expected to generate significant air pollution. During construction, measures will be taken to minimise dust and emissions, including keeping the site tidy, covering materials where necessary and ensuring waste is disposed of responsibly. Construction vehicles and machinery will be switched off when not in use to reduce unnecessary emissions. The completed development will incorporate energy-efficient measures to reduce energy consumption and associated carbon emissions. No significant increase in traffic or vehicle movements is anticipated as a result of the development.