Climate Change Statement

Part 1: Applicant details

Name of applicant/agent	ONE17 Architects and Interior Designers (Agent)
Site Address	1 St Ann's Square, Netherthong, Holmfirth, HD9 3EH
Description of Development	Single storey 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)
• Existing central heating system utilised and extended, including TRVs to radiators. • All new lighting will be LED and energy efficient.
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)
• Re-use existing materials from areas to be demolished on new extensions (natural walling stone). • Any new materials to be sourced locally, and encourage purchasing reclaimed materials such as natural walling stone and natural stone slates. • Use local labour and Contractors to limit travel time to site and reduce carbon emissions

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)
• Suggest installation of renewable energy technologies and highlight benefits to Applicant.
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)
• No new glazing to North elevation • Orientation of existing dwelling is unaffected, but proposals benefit from expanses of roof glazing to South Elevation to increase solar gain. • Bi-folding doors provide rapid ventilation • Roof glazing increases daylight levels internally.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
• Site is elevated up from the highway. • Site is in Flood Zone 1.
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)
• N/A
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
• The return of a large part of the site to planting is a major benefit of the scheme. The decrease in hardstanding permits an improvement in BNG.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
• Locally sourced materials and local labour to reduce transport emissions.