

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	UHDesign Architectural Services (Agent)
Site Address	58 Springdale Avenue, Huddersfield, HD1 3NE
Description of Development	Single storey rear extension, together with associated internal alterations at basement level to form a corridor beneath the extension providing access to the existing (unextended) basement.

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 extension will be constructed with high levels of thermal insulation to walls, floor and roof exceeding current Building Regulations minima, together with high-performance double/triple-glazed windows and doors, to reduce heat loss and overall energy demand.
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)
Materials will be sourced locally where possible to minimise transport-related emissions, and the contractor will be encouraged to reuse or recycle existing materials arising from the works on site wherever practicable, with waste managed in accordance with a site waste management approach.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Given the modest scale of this single storey rear extension, no dedicated renewable energy installation is proposed as part of this application. The existing dwelling's heating and hot water systems will continue to serve the extended accommodation, and any future replacement of these systems would be considered against low carbon alternatives available at that time.
<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>The extension has been designed with a compact, efficient form and glazing positioned to balance daylighting with heat loss. Construction will meet or exceed Part L requirements through enhanced insulation specification, improved air-tightness detailing, and thermally-efficient junctions to reduce cold bridging.</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>The site lies within Flood Zone 1 and is at low risk of flooding. The modest increase in impermeable footprint associated with the single storey extension is not considered to materially increase surface water runoff, and existing surface water drainage arrangements will be retained and extended to serve the new roof area.</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 sanitary fittings and fixtures will be installed within the extension to minimise water consumption, in accordance with the optional Building Regulations requirement of 110 litres/person/day. A significant proportion of the rear garden is retained as soft landscaping, allowing continued natural water infiltration.</p>
<p>Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)</p> <p>As a modest single storey rear extension to an existing residential curtilage, the proposal falls below the threshold at which mandatory biodiversity net gain applies. A significant proportion of the rear garden is nonetheless retained as amenity/soft landscaped space, maintaining existing planting and habitat value where possible.</p>
<p>Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)</p> <p>The development is a small-scale domestic extension that will not generate any additional traffic movements or process emissions. Construction activity will be short in duration and managed to minimise dust and emissions, and the completed extension will not introduce any new combustion appliances beyond the existing dwelling's heating system.</p>