

**Cask & Spindle – Climate Change Mitigation Measures**

24.03.2025

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Planning

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**Site Address:** 112 Abbey Road, Shepley, Huddersfield, HD8 8BE

**Climate Change Mitigation Questionnaire**

<b>Question</b>	<b>Considerations &amp; Solution/s</b>
<p>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?</p>	<p>Due to limited south facing finished roof surface area, scope to incorporate solar technologies are somewhat limited. There may be some scope to incorporate ground or air source heat pumps into the development scheme. Details will be discussed at construction stage and will be development budget dependent.</p>
<p>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?</p>	<p>Recycling of materials to be reused in the proposed development where possible following any site demolition and/or excavations will be encouraged as part of the development plan.</p> <p>The minimisation of non-mineral construction waste (e.g. packaging, timber, plastics) on site will be encouraged.</p> <p>Locally sourced materials on site will be encouraged.</p> <p>Sustainably sourced materials will be encouraged.</p>
<p>Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources?</p>	<p>Given the relatively minor nature of building extension proposed, the incorporation of renewable or low carbon energy sources into the proposed scheme is not a requirement that has been factored in, however, the proprietor may consider the implementation of renewable and/or low carbon sources on other parts of the existing building where feasible at a later date.</p>

Question	Considerations & Solution/s
<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?</p>	<p>The proposed extension will be constructed using a locally sourced engineered timber system that allows for implementation of 150 – 200mm of rigid foam insulation in the floor, walls and roof structures to achieve a u-value exceeding minimum national requirements.</p>
<p>Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development?</p>	<p>Depending on existing ground conditions, appropriate measures, in the form of a soakaway will be incorporated in the development ground works. In the event that a soakaway is not feasible, building control will require that a connection to existing storm drainage be made.</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)</p>	<p>Rainwater harvesting will be considered as an integral part of the development proposal details of which will be discussed and incorporated through the construction design stage.</p>
<p>Q7: What measures have been/will be taken to provide biodiversity net gains?</p>	<p>Biodiversity concerns and considerations have not been factored into the proposed extension; holistically however, the redevelopment of the site will include additional potted planting and the potential to incorporate soft landscaping that will subsequently enhance BNG.</p>
<p>Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development?</p>	<p>To reduce air pollution from the development building, focus on energy efficiency, clean energy sources, and improved ventilation and filtration systems, along with sustainable materials and construction practices, will be considered.</p>