

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr. AKBAR Shaik Faisal Building Solution
Site Address	12 Lark Hill, Batley WF17 0QR
Description of Development	Proposed double-storey extension at the rear and replacing the existing garage with a new bedroom and adding a 1.5m 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)
1.Installation of high-efficiency insulation throughout the structure to minimize heat loss. 2.Integration of energy-efficient appliances and lighting systems. 3.Implementation of renewable energy sources such as solar panels or geothermal heating systems. 4.Utilization of advanced HVAC (Heating, Ventilation, and Air Conditioning) systems designed for optimal energy conservation. 5.Incorporation of smart home technologies for better energy management.
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)
Material Sourcing: We prioritize sourcing construction materials locally to minimize transportation-related carbon emissions. Additionally, we aim to utilize recycled or reclaimed materials wherever feasible to reduce the need for new production. On-site Material Reuse: Where possible, existing materials on-site will be repurposed or reused in the construction process. This includes salvaging materials from the previous structure or utilizing materials excavated during site preparation. Energy-Efficient Construction Practices: Our construction methods focus on energy efficiency to limit carbon consumption. This involves employing modern construction techniques that minimize waste generation and energy usage during the building phase. Low Carbon Footprint Technologies: We plan to incorporate low-carbon technologies and sustainable building practices into the development, such as utilizing energy-efficient equipment and construction machinery.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Solar Energy: We plan to install solar panels on the property's roof to harness solar energy.

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)

1.Passive Design Strategies: Our design incorporates passive heating and cooling techniques 2. High-Performance Insulation: Implementing advanced insulation materials throughout the structure 3.Airtight Construction: Employing stringent airtightness measures during construction 4.Energy-Efficient Fixtures and Appliances: Selecting and installing energy-efficient fixtures, appliances, and lighting systems to further reduce energy consumption within the property.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

Site Elevation and Grading: Evaluating the site's topography and employing appropriate elevation techniques. Stormwater Management: Incorporating sustainable drainage systems (SuDS) such as permeable surfaces. Flood-Resistant Construction: Utilizing flood-resistant building materials and construction methods. Consulting Flood Risk Assessments: Conducting comprehensive flood risk assessments in adherence to local guidelines and regulations

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)

Water-Efficient Fixtures: Installing water-saving fixtures such as low-flow faucets, toilets, and showerheads to minimize water consumption within the property.

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

1.Installation of Nesting Boxes and Wildlife Habitats: Installing bird boxes, bat roosts, or insect hotels to provide shelter and nesting opportunities for various species. 2. Green Spaces and Habitat Creation 3. Wildlife-Friendly Landscaping

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

1.Green Building Materials: Using low-emission building materials and finishes that release fewer volatile organic compounds (VOCs) into the air. 2.Green Transportation Infrastructure: Integrating infrastructure for electric vehicle charging stations or promoting bicycle-friendly amenities to encourage the use of eco-friendly transportation modes, reducing vehicular emissions. 3.Renewable Energy Sources: Maximizing the use of renewable energy sources like solar panels or wind turbines to power.