# CLIMATE CHANGE STATEMENT

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| location | 91 Marsh Lane Shepley, Huddersfield, HD8 8AP |
| application | First Floor Extension and Associated Alterations to Dwelling. |
| client/applicant | Mr & Mrs Jumma |
| job number | 24/1074 |
| date | December 2024 |

PAUL MATTHEWS ARCHITECTURAL Ltd


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Company Registration Number: 09898149 - Company Registered in England and Wales

**Part 1: Applicant details**

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| Name of applicant/agent | Agent – Paul Matthews Architectural<br>Applicant – Mr & Mrs S Jumma |
| Site Address | 91 Marsh Lane Shepley, Huddersfield, HD8 8AP |
| Description of Development | First Floor Extension and Associated Alterations to Dwelling. |

**Part 2: Climate Change Mitigation measures**

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| Please respond to the following questions considering the measures set out in the Climate Change Guidance note: |
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| 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 works are subject to a Building Regulations application where compliance will be required. The proposals will provide a significantly more thermally efficient property with the encapsulation of the property roof with a more well insulated new structure. |
| 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) |
| Contractors and materials will be sourced locally, where possible. |
| Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4) |

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| Materials to be used within the new build (Natural Stone, Blockwork, Concrete and Timber) are wholly recyclable. |

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| 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 proposals will present a more energy efficient dwelling for the future as a result of the design encapsulating the roof of the existing property with a significantly higher thermal efficiency. |
| Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6) |
| Flood risk does not apply to this application |
| 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) |
| Not applicable on this application. |
| Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8) |
| Not applicable on this application. |
| Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9) |
| Not applicable on this application. |

## Appendix B – Further information

**Kirklees Local Plan**
The development plan for the Kirklees Council area (www.kirklees.gov.uk/localplan)

**Planning applications guidance and advice notes**
https://www.kirklees.gov.uk/beta/planning-applications/guidance-and-advice-notes.aspx

**Air Quality and Pollution:**
Kirklees Council's website has information on sources of pollution and our Air Quality Management Areas.
https://www.kirklees.gov.uk/beta/crime-and-safety/air-pollution.aspx

**Building Design and Layout:**
The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including building and construction technology and sustainability and the built environment.
www.ciria.org.uk

Information on environmentally friendly construction products can be found from the Royal Institute of British Architects product selector website.
www.ribaproductselector.com

Passivhaus Trust provides guidance for designing for increasing summer temperatures and constructing buildings to a high energy efficient standard using a quality assurance approach.
https://www.passivhaustrust.org.uk/guidance.php

**Construction Materials and Techniques:**
Information on environmentally friendly construction products can be found from the Royal Institute of British Architects product selector website.
www.ribaproductselector.com

The UK Green Building Council provides information on sustainable building techniques.
https://www.ukgbc.org/

The Building Research Establishment (BRE) Environmental profiles website provide information about sustainable design, energy conservation measures and building materials and components.
www.bre.co.uk

The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including building and construction technology and sustainability and the built environment.
www.ciria.org.uk

Production information on certified timber and timber products is available from the Forest Stewardship Council.
https://www.fsc-uk.org/en-uk

Historic England provides advice on energy efficiency and renewable energy in Historic buildings.
https://historicengland.org.uk/advice/your-home/saving-energy/

Passivhaus Trust provides information on Passivhaus buildings and standards.
https://www.passivhaustrust.org.uk/

**Carbon Emissions:**
The Carbon Trust promotes low carbon technology and gives information on how to work out carbon emissions associated with energy use.
www.thecarbontrust.co.uk

The Energy Saving Trust provide advice on renewable energy, energy efficiency and conservation.
www.est.org.uk

Information on combined heat and power and community heating is available from the Combined Heat and Power Association.
www.chpa.co.uk

The National Energy Foundation gives information on energy conservation, energy efficiency and renewable energy technologies.
www.nef.org.uk

**Waste Minimisation:**
Kirklees Council Waste Management Design Guide for New Developments (www.kirklees.gov.uk/beta/planning-applications/pdf/waste-management-design-guide-new-developments.pdf)

The Building Research Establishment (BRE) has produced a practical guide for small builders to help them reduce waste and operate more sustainably.
https://www.bresmartsite.com/sustainable-construction-methods/

The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including aggregate recycling.
www.ciria.org.uk

**Flooding and Drainage:**
Government guidance on flood resilient construction of new building.
https://www.gov.uk/government/publications/flood-resilient-construction-of-new-buildings

Calder Valley Strategic Flood Risk Assessment (SFRA):
https://www.calderdale.gov.uk/v2/sites/default/files/strategic-flood-risk-assessment_0.pdf