

Energy Statement

(Policy JP-S2: Carbon and Energy)

The buildings are being fully refurbished, so will introduce insulated lining to the internal walls, all lofts will be insulated, flat roofs will be recovered and incorporate insulation, ground floors will have raised floating floor incorporating insulation. All windows will be high performance double glazed.

The new dwellings will have Mechanical Heat Recovery Ventilation (MHRV) installed.

The new dwellings will be sealed to achieve an air tightness of 5 m³/h/m² @ 50Pa.

Space heating will be provided using a combination of underfloor heating and large radiators served by a heat pump (either ground source or air source, still TBC).

Hot water will be provided via a hot water cylinder served by a heat pump (either ground source or air source, still TBC) as well as solar thermal panels.

The new dwellings will have suitable fittings and appliances installed that enable a maximum projected water usage of 125 litres/person/day to be achieved.

Photovoltaic panels will be sited on the flat roofs, quantity suitable to achieve zero carbon.

During the detailed design stage, SAP calculations will be produced in order to fully inform the design to determine the extent of the renewable technology required to achieve Net Zero Carbon.

One electric vehicle charging points will be provided for each dwelling.

Craig Buck

26th April 2024



The Intelligent Design Centre
Creative thinking in architecture, engineering and the built environment

The Intelligent Design Centre
5-11 Eagle Street, Accrington, Lancashire, BB5 1LN
T_ 01254 232 007
F_ 01254 392 193
E_ info@idc.co.uk
W_ www.intelligentdesigncentre.co.uk