

550A (97) 01 – Sustainable Design and Construction Statement (SDCS)

56 Greenacres, Skipton BD23 1BU.

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| <u>Client:</u> | Oliver Smethurst |
| <u>Proposals:</u> | Single storey side extension |
| <u>Planning Application ref:</u> | 2022/23863/HH |

Introduction / Site Description

This document is prepared in support of a planning application for extension proposal at 56 Greenacres, Skipton BD23 1BU and to demonstrate compliance with policy ENV3 (s) and (t) of the Craven Local Plan.

In this instance, the design of the extension and associated alterations is designed to optimise the south facing rear elevation. New and more expansive glazing in this elevation serves to increase thermal gains and improving passive heating during winter. The glazing itself replaces old glazing and therefore also provides an improvement in terms of its U-value.

The extension itself will be insulated to current building regulation standards and replaces a section of existing external wall and again this will serve to improve the overall thermal performance of the building envelope.

Loft insulation specification is more than minimum requirements under current Building Regulations requires min U-value of 0.18W/m²K. Proposals are to install 280mm Knauf Earthwool Loft Roll which offer u-value of 0.16W/m²K.

Knauf Earthwool Loft Roll also has a Green Guide Rating A+ and therefore is recognised as a sustainable building product.