

Planning Statement - Sustainable Design and Construction – Marina Crescent, Skipton

The dwelling in its original footprint is poorly insulated and benefits from existing extensions built to current building regulation standards. The proposed alterations will look to provide enhanced insulation which will exceed the minimum standards set out by current building regulations. The development will look to minimise energy consumption by means of increased insulation to the floors, walls, and roofs.

The development will look to utilize double glazing with a min. 16mm air gap. All glazing will have a Pilkington K glass coating. K glass forms the inner pane of an energy efficient double-glazed unit allowing for the utilization of passive solar gain, the coating reflects heat back into the room whilst also letting in free heat from the sun.

Proposed internal and external lighting will all be LED with external lighting being controlled with PIR switches to switch off automatically when not in use.

Proposed internal water fixtures and fitting will all be aerating fixtures, faucets and shower heads.

The design of the rear 2 story extension will lower the heat loss from the existing rear extension and walls of the dwelling by replacing the existing wall with a new highly insulated wall and roofing section.

The proposed will look to increase the size of an existing dwelling to allow a family to grow into it rather than adding further demand to an already in demand housing stock. This wholeheartedly supports the local authorities' goals in sustainable living.

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