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ARCHITECTURAL STATEMENT PROPOSED EXTENDED AGRICULTURAL BARN BACK LANE, SLAIDBURN, LANCASHIRE

The proposal

The proposal is to extend the existing structure into a larger agricultural building to support the enterprise within the existing holding.

The design has been amended following the planning refusal dated 7 February 2020 and in line with the comments within the delegated report. The key elements in relation to the design of the extension from the report highlighted the following :-

The building in which the calves are to be raised must, if possible, be designed in a way to promote calf health and reduce stress. The basics of this is a constant supply of fresh air which is essential to prevent respiratory and other diseases, this is usually obtained by using open sided buildings, possibly requiring ventilated curtains, cladding or space boarding depending on prevailing wind direction.

The target for most cattle buildings is to ensure a design that maximises ventilation potential on a still day, without exposing the livestock to elevated air speed when the wind is blowing. Usually this relies on ventilation via the stack effect, in which heat generated by livestock in the building warms the air which rises through an open or covered ridge, to be replaced by fresh air coming in at a lower level through the eaves. The most common material used for the roof on livestock buildings is fibre cement concrete sheeting, this material has been specifically designed for purpose and aids in the reduction of condensation that other materials can cause, when used in livestock buildings.

With close regard to the above the resubmitted proposal has reduced the overall size of the building to 156 sqm (104sqm extended). The materiality has been amended to utilise timber boarding allowing ventilation raised above a concrete blockwork lower perimeter wall and a cement fibre roof with ventilated ridge sections. The building is simple portal frame extension to the rear of the barn and the previous 'wrap around' has been removed. The overall scale of the building is suitable for the holding and the setting.

Please refer to the drawings, planning statement, applicant statement/agricultural form and site plans which accompany the application