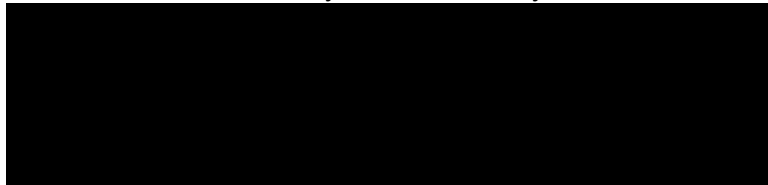


J. R. Stideford and Son – Est 1887
Lunnon Farm, St. Mary's, Isles of Scilly TR21 0NZ



Proposed New Agricultural Barn at Lunnon Farm

Scheme of Sustainable Design Measures.

The proposal is for the erection of a new agricultural barn at Lunnon Farm, St. Mary's, within the current farmyard area, in order to better process increased numbers of both flower bulbs and stems. Full details of the rationale behind this are included within the Agricultural Justification document.

The proposed building will incorporate a number of sustainable design features.

Firstly, the materials used are long lasting, and the metal frame will be galvanised to further enhance this and prolong the building's life. In addition, the cladding is timber and will be sourced from an FSC/ PEFC source, meaning it will be grown and harvested in a sustainable manner.

Rainwater will be partially harvested, using the current set-up at the Farm. At present, three 5,000 litre tanks are fed with rainwater from the shed roofs to use as irrigation where required and emergency fire-fighting should the need arise. This shed will feed into this system and will keep the tanks full during the drier months. Going forward, we are planning to utilise more water from the shed roofs for irrigation and crop treatment.

At present, approximately 60% of the entire Farm's power (including self-catering units) is generated by solar panels and excess power is battery stored for use during periods of reduced generation and increased consumption. This shed will be connected to this system. Often during the hot summer days, excess power is exported to the grid as demand is lower at this time; it is hoped that much of the grading and sorting equipment for the bulb processing will be driven by this excess power.

The westerly roof of the new structure will be considered in the future for additional solar panels as finance allows.