

Design and Access Statement

for

Cleave Hill, Membury,

Axminster. Devon. EX13 7AJ

Cleave Hill is a grade 2 listed building. The proposed solar array area is to be located in a field to the South East of the main house. The array will not be visible from the property the field is lower than the house. The house faces due West. It will also be obscured a tall mature hedges and is approximately 65 metres away. It will also not be visible from any road, public right of way nor the nearest residential property known as Clodes to the South.

The underground electric cable from the solar array will be laid in a 150mm wide trench at a minimum depth of 500mm, covered with electrical warning tape and back filled with sand. The underground cable will connect the solar array to an existing outbuilding to the South of the house and will use existing cabling to supply the main house and so no new connections are needed to be made to the main house.

The solar frames are adjustable through the seasons in order to utilise as much available sunlight as possible. The photo below shows the difference between the winter position of 60 degrees (closest to the camera) and summer position of 60 degrees. The winter position produces 15% more energy through the winter months at the steeper angle.



The photo shows an example of what is being proposed at Cleave House using similar black framed solar panels. The 2 frames will be approximately 100mm apart from each other in one rows of 16 panels. They are going to be in South orientation as per the scale drawing so the array will not be seen from the main house. No concrete will be used at all in the installation and this British system can be easily dismantled and recycled at the end of its useful life.