SOLARBRIGHT
Part of the Breyer Group Plc

Barchester Care Homes

Property Address:
Kingsland House Care Home
Shore, West Sussex
BN43 6LT

Awaiting

06 JAN 2012



Design & Access Statement

AWDM/1041/11

Group Corporate Healthcare – Barchester

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1. This statement is provided to explain the design and access considerations for the proposed solar photovoltaic (PV) system install at Kingsland House Care Home, Kingsland Close, Shoreham by Sea, BN43 6LT.

2. **Introduction**

   Kingsland House is a Care Home for the elderly providing 24 hour Nursing Care to the residence of the Home. Barchester Heath Care manages the home and is very keen to promote awareness of environmental issues. The electricity generated from the PV install will be used to reduce the Care Homes carbon footprint by reducing there electricity requirements form the national grid.

3. **Design**

   The proposed solar PV system will be installed to the internal elevations of the building as indicated on the submitted drawing. This site was chosen due to its good solar access and the panels have been positioned to minimise there visual impact within the Environment. This proposal poses no threat to local biodiversity.

4. **Use**

   The solar PV system will be mounted on the roof, which is currently not used.

5. **Amount**

   The Solar PV system consists of 206 panels, each of approximate dimensions 1m x 1.6m x 62mm, which will be fixed to a framing system fixed to the roof. The panels will be fixed at the same angle as the roof and will not project more than 250mm. The panels have a self cleaning surface.

6. **Layout**

   The 206 PV panels will be laid out as indicated on the submitted drawings.

7. **Scale**

   The framework upon which the solar panels will be mounted sits 100mm above the existing roof line.

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8. Appearance

The silicon solar PV panels are a dark-blue in colour. These panels are not likely to be visible by the general public as they are positioned on internal elevations of the building. There are also large trees and shrubs that surround the site which further obscure the panels from public view.

9. Access

The solar PV system will be positioned on the roof and does not require access by the general public. A display at ground level will allow users to interact with the system.

10. Conclusion

The 206 solar panels have been designed to be positioned on internal roof areas of the care home and are not likely to be visible by the general public. Access to the site is limited to staff and residence of the care home.