



Design & Access Statement

for

Solar Panel Installation

at

The Watch Factory
Prescot
L34 2SD

Client Name: Livv Housing Group

Our ref: LPS/am/33289

Date: 24TH April 2023

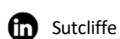
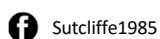
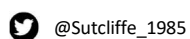
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DOCUMENT VERIFICATION

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Revision History:

Rev	Date	Description	Prepared	Checked	Approved
Rev 0	21/04/23	Prepared to accompany Application for Listed Building Consent	AM	WB	WB

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1.0 Purpose

- 1.1 Sutcliffe has been instructed by the owner of the property, Livv Housing Group to submit an application for Listed Building Consent in respect of the solar panel installation upon the roofs of the new build blocks at former Watch Factory, Albany Road, Prescott, L34 2SD.
The application is to be made to Knowsley Borough Council.
- 1.2 The proposed Photovoltaic installation on the blocks built in 2018, sit within the curtilage of the Watch Factory.
The Grade II listed building, built in 1889, was once the home of the Lancashire Watch Company, a leading force in Britain's watchmaking industry.

2.0 The Site

- 2.1 The site, also funded by Knowsley Council and Homes and Communities Agency, is aimed at people over 55 with care needs, varying levels of care support available. There is a restaurant, hairdressers, and activity rooms, and further development for homes outright sale.

3.0 Layout

The layout is for a simple roof covering of 197 modules spread across 6 south facing pitched roofs. (3 roofs on each block, 6 in total.)
Block A will have 34,36,36 modules on each south facing pitch.
Block B will have 29,31,31 Modules on each south facing pitch.
The external appearance of the premises will remain unaffected by the works.
The roof pitch to new build blocks is not visible from street level due to the low parapet wall to the top of the front elevation brickwork.
The solar PV facilities have been designed to:-

- Minimise disturbance to the buildings.
- Minimise visual impact on the street scenes.
- We intend to use JA Solar all black panels to be sympathetic to the slate roof and the building.
- Fixing details of the panels – The panels will be fixed to the roof via a 50mm stand off bracket which will then carry a 40mm aluminium rail which the panels will be fixed to. Total distance from slate to top of panel will be 120mm.

4.0 Proposed Works

4.1 The works consist of the following items :-

- Proposed installation of 197 photovoltaic panels across the length of 6 pitched roofs.
- The roof will be unchanged by with no additional timber structure needed to support the panels.
- The PV panels and fixed to the existing roof using rails and fixings. Supplied and fixed by PV manufacturer to JA Solar detailed specification.
- The design is for the installation of the specified PV panels will have a total production of 67.830kWh's per annum.
- With a 100% self-consumption.
- Co Emissions saved 15.8 tons per annum.
- The equivalent of 726 trees planted.

4.2 Access

The solar PV system will be installed on the roofs and does not require access to the general public. The installation will be completed by a specialist PV installation team. The installation will not affect any highway scenarios, or transport authorities. Access to the roofs will be via purpose built scaffold and removed once installation is complete, a MEWP will be used as well whilst works are ongoing. Access to the solar pv panels will be gained by travelling across the existing roof by specialist installers.

5.0 Environmental Issues

5.1 The premises will remain occupied throughout the duration of the works and regular liaison with the occupants will need to be managed throughout the works.

5.2 All of the proposed works will be undertaken within the footprint of the building and will therefore not impact on the surrounding environment.

5.3 The external appearance of the premises will remain unaffected by the works. The roof pitch to new build blocks is not visible from street level due to the low parapet wall to the top of the front elevation brickwork.

6.0 Location Plan

