

HIGHFILD COURT SOLAR PV INSTALLATION



PREPARED By **Max Zambo on behalf of Vibe
Business Interiors**

DATE **07/10/2024**

VERSION **1**

1. CONSTRUCTION & ACCESS

Proposed Lifting Method (Panels to Roof):

The proposed method of getting product to roof level would be via the use of a 17m Telehandler at 3 no loading bays at 3 points around the perimeter of the building. Two of these would be placed at corners of the building, with the third placed strategically along the length of the building. This allows a reduction in foot traffic across the same sections of the roof to reduce the risk of repetitive roof damage and allow PV panels and equipment to be delivered directly to the correct areas of roof. Any high traffic areas on the roof would be boarded to protect the roof.

Storage Area:

Solar PV panels and associated products (inverters, cabling etc) will be delivered to site and decanted to a single storage area to the rear of the building which will be separated from the main site via Heras fencing or similar. Movement of products from the storage area to the roof will take place once per day and/or as according to the plan worked up in conjunction with the internal refurbishment contractors. This allows contractors to ensure there is minimal disruption to the refurbishment or other operations across the construction phase of the project.

Welfare:

A self sufficient welfare cabin with canteen and drying room located at the storage area will be provided. This will also house the site managers office and toilets. In addition, a 20 foot storage container will be procured to house high value product.

Access equipment and fall protection:

It is proposed to use the scaffolding and a haki staircase to access the roof. There will be 3 perimeter rails installed to the perimeter to create a safe roof during construction. Scaffolding will be inspected and certified every 7 days and inspections carried out after any adverse weather conditions or adaptations and declared as safe for use. All operatives are to wear harnesses when utilizing the scaffolding with these being inspected and certified for use on a weekly basis.

Noise Control:

The nearest residential buildings are located just south east of the site and to the North West. The residential area to the South East are separated from the site by the M27 and screening vegetation. To the North West the residential area is screened from the Site by existing office buildings on the estate and screening vegetation. The installation and operation of solar PV array is not considered as inherently noisy.

Works shall be carried out within the hours of 08:00 and 17:00 Monday to Friday, 08:00 to 13:00 on a Saturday and not on Sunday or any public holidays. The noise will be limited to use of hand held pneumatic tools during the installation of the mounting rails (approximately 2 week duration). It is not considered that there will be a significant noise impact on the nearest residential dwellings due to the low level of noise expected and screening present.

Dust and Dirt:

Works are limited to installing Solar PV equipment on the roof and internal areas of the building. It is not expected that this work will generate any dust or dirt. Waste skips will be provided on site for the disposal, and where appropriate, recycling, of equipment packaging. The solar panels are being installed after many of the wider refurbishment works have taken place.

Traffic management:

During the construction period, heavy goods vehicles (HGV) movements will be required to deliver materials and equipment to the staging area. It is estimated that circa 15 HGV visits will be required over the estimated 4 - week construction period, plus cars and vans belonging to construction personnel.

A delivery management plan will also be developed in close conjunction with the refurbishment contractors and the site management team to ensure deliveries are staggered to limit congestion at the site and disruption to other site operations during the period.

Access for construction vehicles will utilise the direct access from Tollgate / Chestnut Avenue to the B3043 and wider strategic road network. Given the site is on an industrial estate, it is considered that the road infrastructure will be suitable to support the vehicles using these access routes during the construction of the project. The site and all the access routes and turning spaces are existing asphalt construction, so it is not expected that there will be any mud transferred from the site to the local road network. It is not expected that these construction works will cause an increase in the normal level of traffic activity around the site.

Environmental Health

All works will be carried out using Best Practicable Means according to the Control of Pollution Act 1974 including for noise and vibration according to the British Standard "BS5228 Code of Practice for noise and vibration control on construction and open sites".

Access route: M27 to site via Tollgate/Chestnut Avenue to B3043

