

DESIGN & ACCESS STATEMENT

April 2023

Installation of roof mounted Solar Panels

at

Noel Park School, Gladstone Avenue, Noel Park, London, N22

6PA

Introduction



Aerial Photograph



Location plan

This document has been prepared to support an application for the installation of roof mounted solar PV panels upon the roof of the school.

Proposal overview.

The proposal is to install a solar PV panel system to serve part of the energy requirements of the existing school

Existing Energy usage	-	157,540 kWh/Year
Solar panel production	-	26,200 kWh/Year

Layout

The layout is for a simple roof covering of solar panels.

The roof location of the proposal was chosen as the most appropriate as there will be no visual impact on the surrounding landscape due to its semi hidden nature because of the roof layout and height of the building.

Design And Scale

The design is for the installation of a 30.03 kWp of roof mounted solar array to the roof of the school.

Approx. area of the PV panels will be 145.2m². The minimum distance from any roof edge will be 1100mm and the minimum distance to the ridge will be 372mm. Each panel will be 1769mmx1052mm and will consist of 111 in total, mounted on purpose made frame ensuring that the panel are no more than 200mm away from the roof tiles.

Solar usage

The solar PV panels will provide 99.6% self consumption with 16.6% self sufficiency level.

Appearance

A visual study of the locality, and surrounding area was undertaken, and it was noted that a number of solar PV installations are evident in nearby domestic dwellings although these are located just outside of the conservation area

Landscaping

Existing landscaping will not be affected by the proposal. Existing screen planting is sporadic along the southern and the north west boundaries.

Access

Access to the solar PV facilities on the roof will be by specialist installers only with little or no maintenance on the panels required.

Summary

As the designers of the proposed works, we have taken on board the context of this site and feel the proposal is justified under local and national policies.