

DESIGN & ACCESS STATEMENT

April 2023

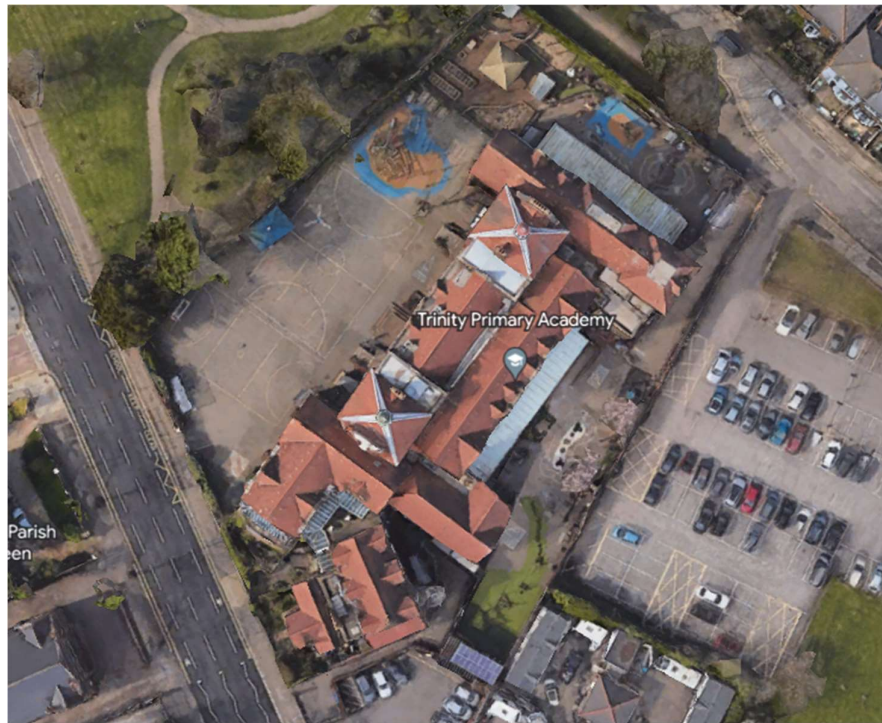
Installation of roof mounted Solar Panels

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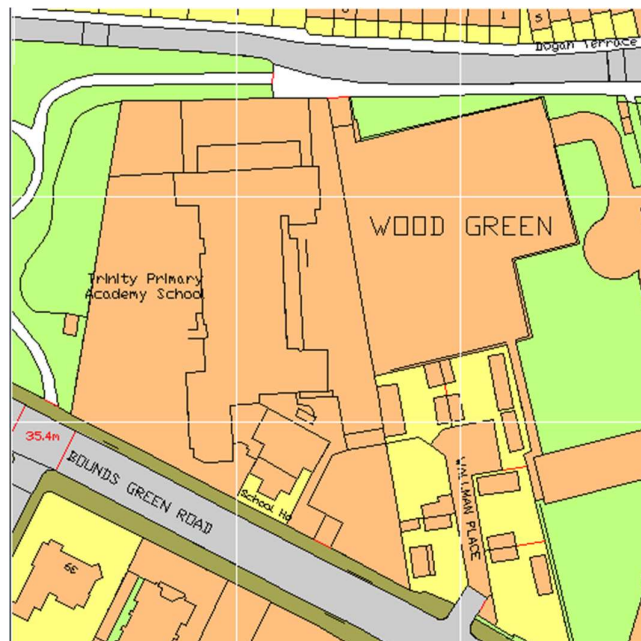
Trinity Primary School, Bounds Green Road, London, N22

8ES

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	-	123,002 kWh/Year
Solar panel production	-	6,810 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 due to its south facing elevation with little or no obstructions.

Design And Scale

The design is for the installation of a 6.93 kWp of roof mounted solar array to the roof of the school.

Approx. area of the PV panels will be 33.5m². The minimum distance from any roof edge will be 1000mm and the minimum distance to the ridge will be 225mm. Each panel will be 1769mmx1052mm and will consist of 18 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 100% self consumption level.

Appearance

A visual study of the locality, and surrounding area was undertaken. The school currently has 16 No solar panels located at low level on a store, and it was noted that St Martin Primary School located across the road has a number of solar PV panels.

Landscaping

Existing landscaping will not be affected by the proposal. Existing screen planting is evident to the north and west sides of the school boundaries which most evident on the western boundary adjacent to trinity gardens.

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.