
From: Dominic Kacinskas <dominic@groupwork.uk.com>
Sent: 20 February 2019 15:55
To: Constantinescu, Nora-Andreea
Subject: FW: 317 Finchley Road NW3 6EP - PV Panels
Attachments: 2019.01.23 Joju covering email.pdf; 2019.01.23 Joju Solar Quote.pdf

Follow Up Flag: Follow up
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Dear Nora,

See additional information regarding PV panels.

Regards,
Dominic

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From: Stephen Newbold [mailto:stephen.pmpcl@gmail.com]
Sent: 20 February 2019 14:41
To: Dominic Kacinskas
Cc: Paul Downie; Elisa Sartori
Subject: Re: 317 Finchley Road NW3 6EP - PV Panels

Dear Dominic

You may do better using the Joju report which I sent by separate email (copy attached). It includes tables showing energy generation and CO2 savings, and shade factors.

Based on Elisa's email to you of 01/11/2018 we asked the PV contractors to:

- target a generation of 3,023 kWh;

- use a 3.5 kWp system of 15 polycrystalline PV panels, south orientated at a tilt of 30 degrees;
- ignore shading from nearby buildings as there are no tall buildings nearby;
- allow for a single inverter which will be located in the nearby service riser at 8th or 9th Floor level.

The schemes from both Joju and Envirolec use panels at 10 degrees tilt, minimising shading from adjacent panels.

In terms of safe access for maintenance I think it may be worth considering reducing the number of panels to 12, so as to allow a greater margin between the panels and the edge of the roof. 12 panels will still be able to achieve the 3.023 kWh target figure. If you agree with this I will ask Joju for an amended report.

Perhaps you can add to your drawings the proposed access arrangement for reaching the roof, a schematic mansafe line arrangement on the roof plan, and a note indicating where the inverter is to be housed.

Kind regards
Stephen

Stephen Newbold RIBA : Design Manager
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On Wed, 20 Feb 2019 at 12:14, Dominic Kacinskis <dominic@groupwork.uk.com> wrote:

Hi Stephen,

I'll forward to the planning department, however they asked for the following and it does not seem the document/quote provides answers.

“- The energy output, from PVcells as designed including the energy generation should include Kwh annual energy generation + CO2 savings, so please include this in the report

- Please provide an overshadowing model for development to include:
 - o Details of the PVcells to be designed appropriately to minimise loss of energy due to shading
 - o Details of the panels being built within the estimate for energy generate
 - o Sections to show the obstruction or the model/safe access plan and maintenance schedule
- Additional information is required in relation to the location of the inverters on the plans, such as, their number, size, location. Ideally they should be located as close as possible to the roof, within a service cupboard towards the top of the building, or a sheltered box. “