Hi Archana,

FYI.

Regards

Tim

Tim Norbury MRICS
Senior Building Surveyor
Arcus Consulting LLP

[redacted]

Arcus Manchester office has moved. Please see our new address below.

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Dalton House, Dane Road,
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From: michael@griffservices.co.uk <michael@griffservices.co.uk>
Sent: 18 July 2019 10:48
To: Tim Norbury <t.norbury@arcus.uk.com>; danny@griffservices.co.uk
Subject: RE: GPHQ PV Installation

Hi Tim,

With regards to fixings methods.
It has been proposed to use hanger bolts. Parts above roof level is 50mm. To this we will need to bolt rail and seat panel (35mm).
Realistically we shall be looking at projection of around 100mm above roof level. This should be enough for necessary adjustment plus air exchange.

In terms of system size, with three roofs loaded as per our proposal, we are looking at production level of 56,742 kWh annually.

Michael Gancarz *BSc Eng MIET*
Managing Director

GRIFF SERVICES LTD

Head Quarters
Digital World Centre, 1 Lowry Plaza, The Quays, Manchester, M50 3UB

Operations and Logistics
Enterprise House, Unit 7A, Bailey Road, Trafford Park, Manchester, M17 1SA

[redacted]

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From: Tim Norbury <t.norbury@arcus.uk.com>
Sent: 17 July 2019 11:50
To: GRIFF Services Ltd - Michael <michael@griffservices.co.uk>; danny@griffservices.co.uk
Subject: GPHQ PV Installation

Hi Michael/Danny,

Planning have requested to know the distance that the equipment protrudes from the roof plane for the above scheme. Do you have any drawings in pdf or dwg that confirm this and the thickness of the panel. We need this information to produce a cross section of the building however we will be doing that.

They have also requested confirmation of the electricity generated by the proposed PV equipment in watts.

Be much appreciated if you could provide and confirm the information requested.

Kind regards

Tim

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Senior Building Surveyor
Arcus Consulting LLP

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