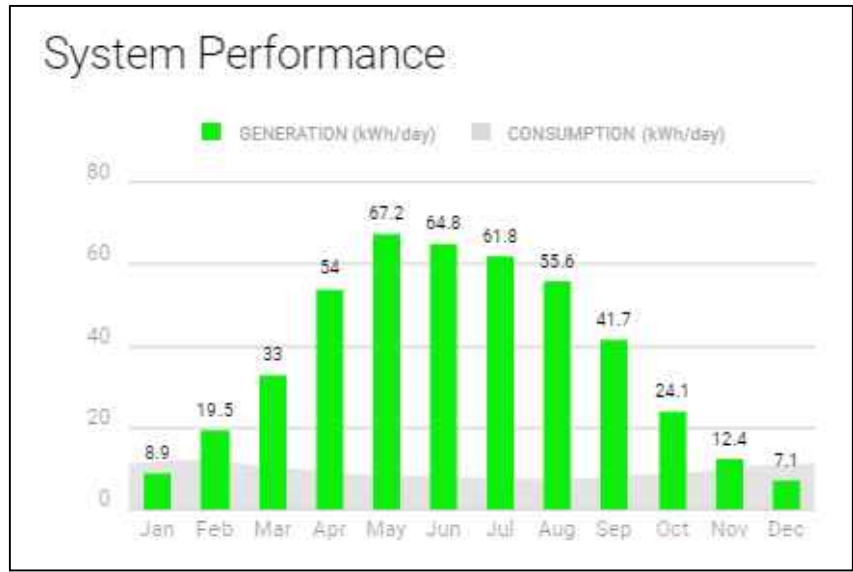


TOTAL PV SYSTEM -
39No. JA 460W SOLAR PV PANELS
PV ARRAY SIZE: 17.94kWp
OUTPUT: 14703kwh year

Note: The PV panel locations are positioned based on the projected sun path to ensure maximum efficiency is obtained from the proposed system



VIEW 1



ROOF VIEWPOINTS INDICATING ACCESS ROUTE WITH EXISTING MAN-SAFE RAILINGS

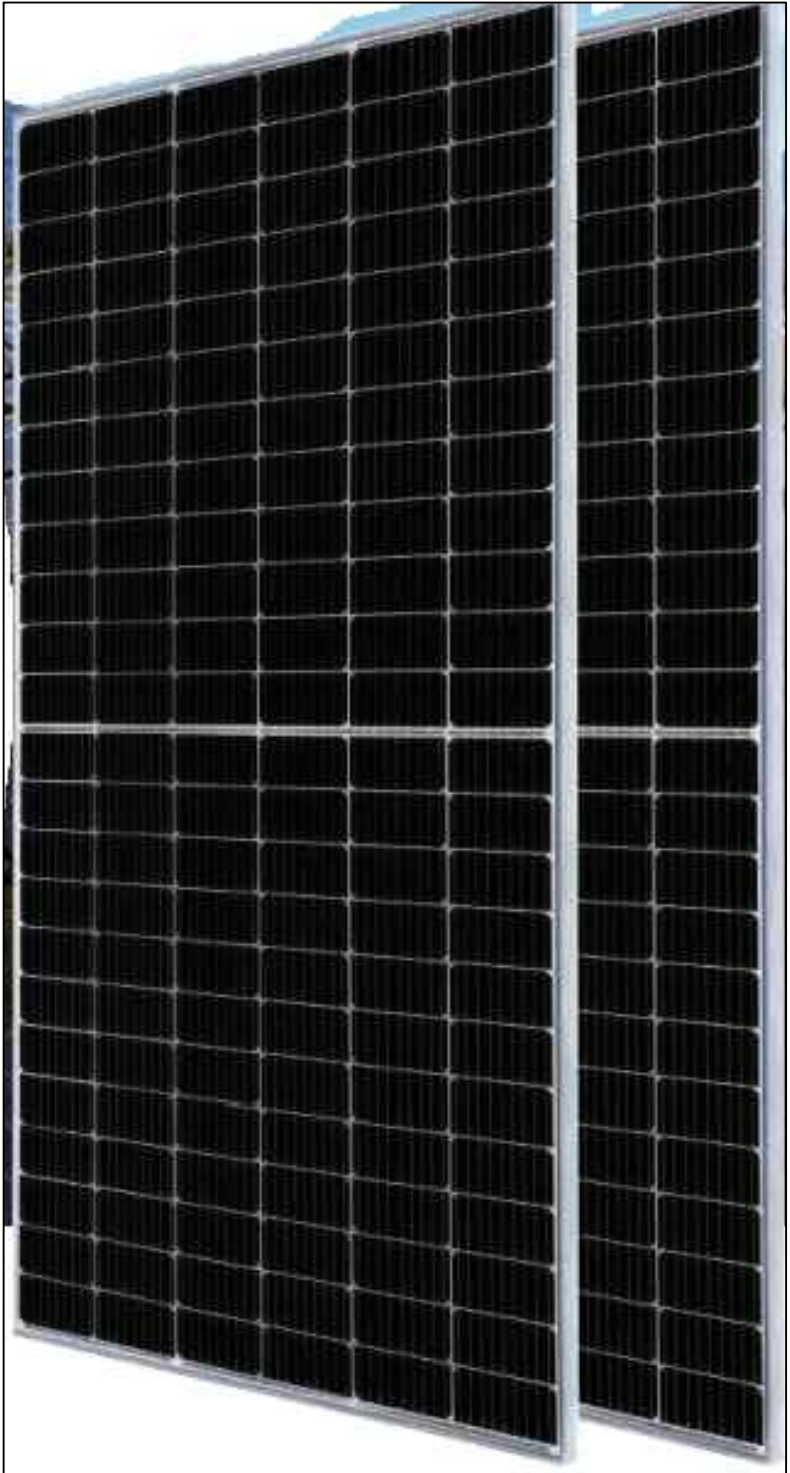
VIEW 2



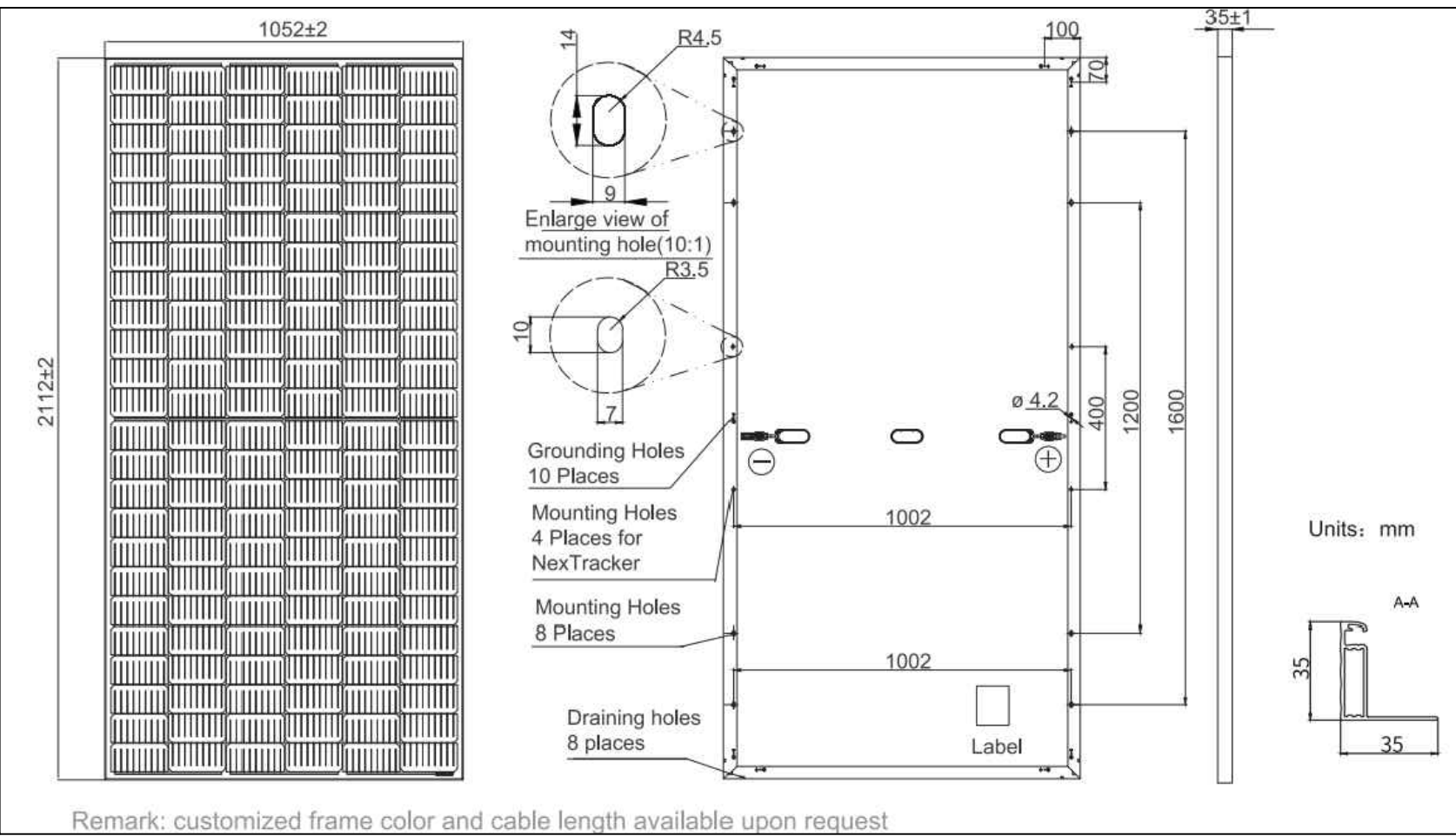
PV PANEL ROOF FIXING DETAIL:
EXTRUDED ALUMINIUM ROOF HOOK



PROPOSED PV PANEL



PV PANEL MECHANICAL DIAGRAM



Notes:

1. This drawing is subject to copyright and is not to be reproduced in part or whole without approval.
2. Do not scale this drawing - check all dimensions on site.
3. This drawing shall be read in conjunction with the project specifications) and all other contract documentation.
4. All dimensions are in millimetres unless otherwise stated.

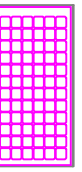
HISTORIC ENGLAND GUIDANCE

Installation Notes:

In line with Historic England, the installation shall comply with the following:

1. Be fixed over the existing roof covering, so it sits above the tiles or slates.
2. Roof anchors will be fixed to the rafters supporting a mounting rail for the PV panel to sit in and clamps used to hold the panels in place.
3. A proprietary clamp or lead flashing component will be provided to weather-proof the penetration through the slates.
4. Slates will not be drilled through under any circumstances.
5. Not impose loads on the roof that compromise the roof's primary function - keeping the weather out.
6. The supporting frame that the PV panel sits on will be anodised black to blend in.
7. Cut ends will be painted black or capped off.

LEGEND



460W MBB MONO HALF-CELL
MODULE JAM72S20 445-470/MR
PV PANEL



MAN SAFE SYSTEM

P1	20.01.23	PLANNING APPROVAL	M.J
Rev:	Date:	Status/Amendments:	By:

King Associates
2nd Floor Queens Chambers
5 John Dalton St
Manchester
M2 6ET
Email: info@kingassociates.uk
www.kingassociates.uk



Client:

KINRISE

Project:

SUNLIGHT HOUSE
MANCHESTER

Drawing Title:

ELECTRICAL SERVICES
ROOF LEVEL
PROPOSED PHOTOVOLTAIC LAYOUT

Engineer: M.J	Checked By: M.H	Cad By: G.M
Scale: 1:100	Paper Size: A1	Date Created: JAN 2023
Drawing Number: 4084-KIN-XX-RF-DR-E-6900	Drawing Revision: P1	