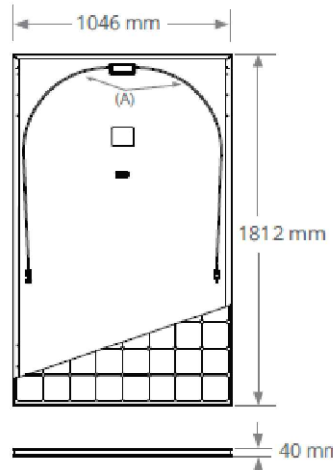


PV ARRAY SUMMARY

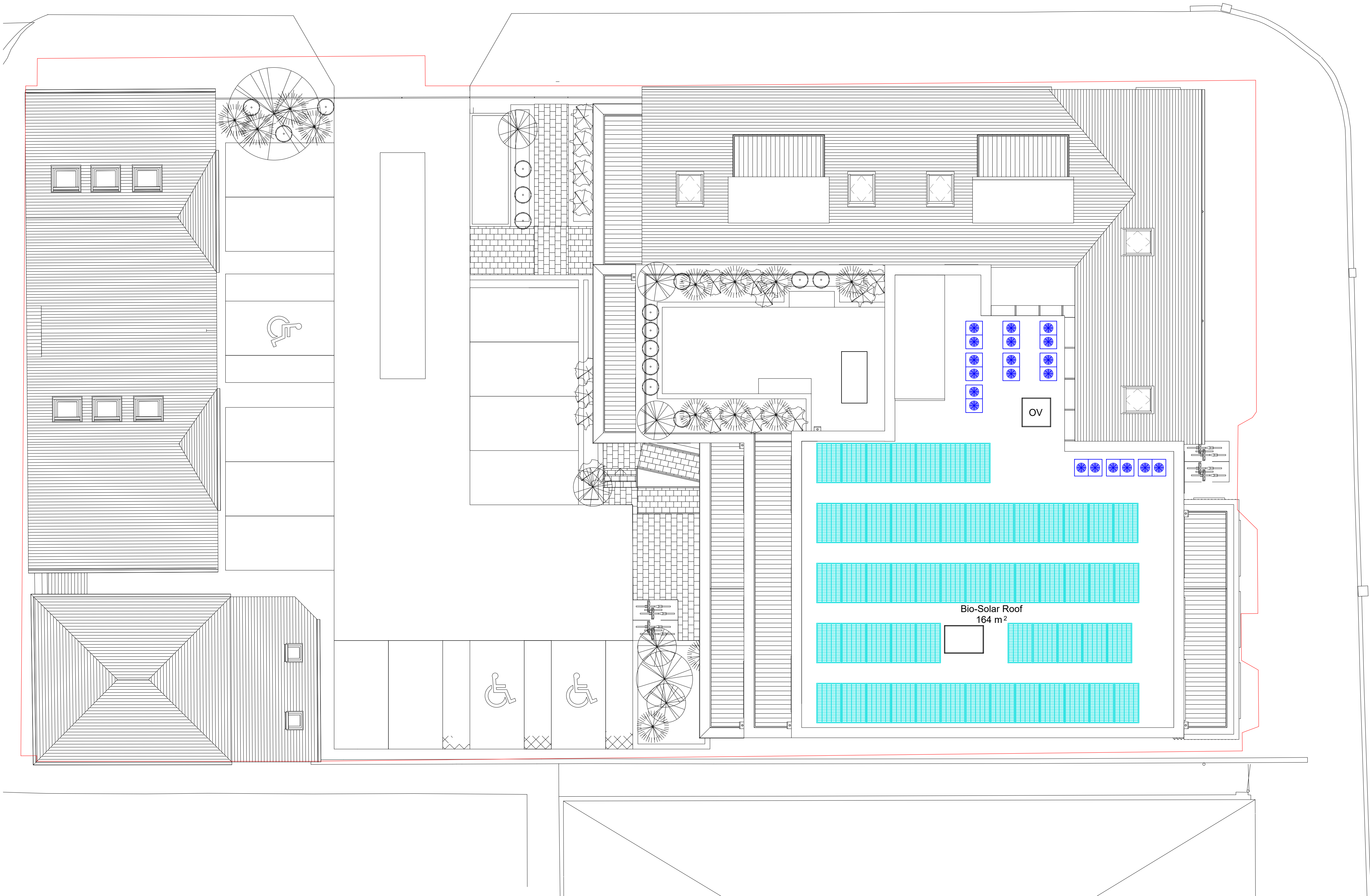
	No. Panels	Peak Capacity (kWp)	Annual output (kWh)	Annual Carbon Offset (tgcO2)	Capacity Per Dwelling (kWp)
Proposed	56	23.24	18,592	2,529	0.80

Electrical Data			
	SPR-MAX3-430	SPR-MAX3-425	SPR-MAX3-415
Nominal Power (Pnom) ²	430 W	425 W	415 W
Power Tolerance	+5/0%	+5/0%	+5/0%
Panel Efficiency	22.7%	22.4%	21.9%
Rated Voltage (Vmpp)	70.4 V	70.0 V	69.2 V
Rated Current (Impp)	6.11 A	6.07 A	6.00 A
Open-Circuit Voltage (Voc)	81.4 V	81.3 V	81.2 V
Short-Circuit Current (Isc)	6.57 A	6.57 A	6.55 A
Max. System Voltage	1000 V IEC		
Maximum Series Fuse	20 A		
Power Temp Coef.	-0.27% / °C		
Voltage Temp Coef.	-0.236% / °C		
Current Temp Coef.	0.058% / °C		

Notes:
1. Based on Sunpower Maxeon 3, SPR-MAX3-415 Panel.
2. Outputs based on an average of 800kWh/m2 per annum



DETAIL A



Notes

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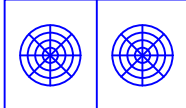
The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against all relevant Engineers and Architects drawings and all other specialist documentation provided.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions / contaminants, drainage, design & planning / density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Do not scale. Work to given dimensions only.

This drawing is a single service drawing showing the concept design that has been co-ordinated with the structure and other building services installations. This drawing is not a co-ordinated working/installation drawing and should not be used as such. Any contractor using this drawing as a working/installation drawing does so at his own risk.

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PLANT SPACE REQUIREMENTS HAVE BEEN BASED ON THE MITSUBISHI CAHV-P500 UNIT AS PER DETAIL A

Status	☐ Preliminary	☐ For Comment	☐ For Approval
	☒ For Information	☐ For Tender	☐ For Contract
	☐ For Record Purposes		

Revision	Ref	Details	Rev.by	Chk'd	Date
	A	Planning Update	IP	MK	14.12.22
	B	Planning Update	HS	MK	19.12.22

Client	S2 Caversham Ltd
Project	71-73 Caversham Road Reading



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Castlethorpe
Milton Keynes
MK19 7ES
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Title	MEP Plant Locations Roof Layout			
	Drawn/CAD IP	Engineer IP	Scale 1:100@A1	Date 14/12/22
Drg No	P22978.MEP.001			Revision B