

Do not scale this drawing for construction purposes
In all cases figured dimensions are to be followed
All dimensions to be checked on site before work commences
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Notes:

Proposed Solar Carport installation consists of single and double (gulls wing) cantilevered car ports based on the Solarsense modular solar carport designs as shown generally in the accompanying drawings.

The design consists generally of steel support frames typically at 7.5 metre (3 car bay) centres - with other bay widths used to adjust to best fit where appropriate.

Galvanised cold rolled steel C section purlins span between galvanised steel structural frames and support extruded aluminium slide in mounting rails with integral surface water drainage channels / cross channels.

Structural frames are anchored to the ground using 4No. Spirafix ground anchors (size to be confirmed by pull out tests)

Where car park surface is laid to fall bases are to be levelled using threaded rods / nuts / washers and any gaps between base on ground filled with appropriate structural grout.

Solar panels and slide in mounting rails are to be installed from below using suitable scissor lift platforms or other staging.

Proposed generator consists of 513No. 455Wp solar panels with a total installed capacity of 233.415kWp

2No. frame mounted string inverters to be located under carport canopies at appropriate positions to suit underground AC cable runs to customer's point of electrical connection (main or sub-switchboard)

PLANNING

Revision	Description	Date	Drawn



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Client:	Endresss & Hauser Ltd		
Project:	Roof & Carport mounted Solar PV - Manchester M23 9NF		
Drawing:	Solar Carport Layout Plan Solar PV Canopy		
Scale:	1:100 @ A1	Drawn by:	RTH
Date:	November 2024	Checked by:	
Drawing Number:	EH / 02		

