

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 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 7.2 or 7.5 metre (3 car bay) centres. Spacings can vary to allow for blue badge bays and avoiding buried services etc.

Galvanised cold rolled steel purlins span between galvanised steel structural frames and support colour coated trapezoidal profiled steel roof sheeting which provides a mounting base for the solar panels allowing for different panel dimensions to be accommodated to suit supply chain availability.

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.

Proposed layout based on 528No. Hanwha Q.Cells Peak Duo M-G11 415 watt peak solar modules with total installed capacity 219.12kWp.

String inverters will mounted at the west end of each carport row and AC inverter output cables run in underground ducts to an AC combination board enclosed in a floor standing GRP cabinet opposite the POC.

PLANNING

Revision	Description	Date	Drawn



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Client: **MHRA**

Project: **Blanche Lane, South Mimms EN6 3QG
 Solar Carports**

Drawing: **Proposed Site Plan**

Scale: **1:200@A1** Drawn by: **RTH**

Date: **September 2023** Checked by:

Drawing Number: **MHRA / 12** Revision:



Legend

- Roof plan view of Carport canopy
- Repainted parking bay demarcation
- PV inverter AC Combiner Cabinet
- Frame mounted PV string inverter