

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  
 © This drawing is the copyright of Solarsense UK Ltd and may not be reproduced in part or in whole without prior written permission

Notes:

Proposed Solar Carport installation consists of single bay depth cantilevered car ports based on the Solarsense modular solar carport designs as shown in the accompanying drawings.

The design consists generally of galvanised steel support frames typically at 7.5 metre (3 car bay width) centres. Structural centres can be varied to take account of Blue Badge parking requirements and also to avoid above or below ground obstacles.

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.

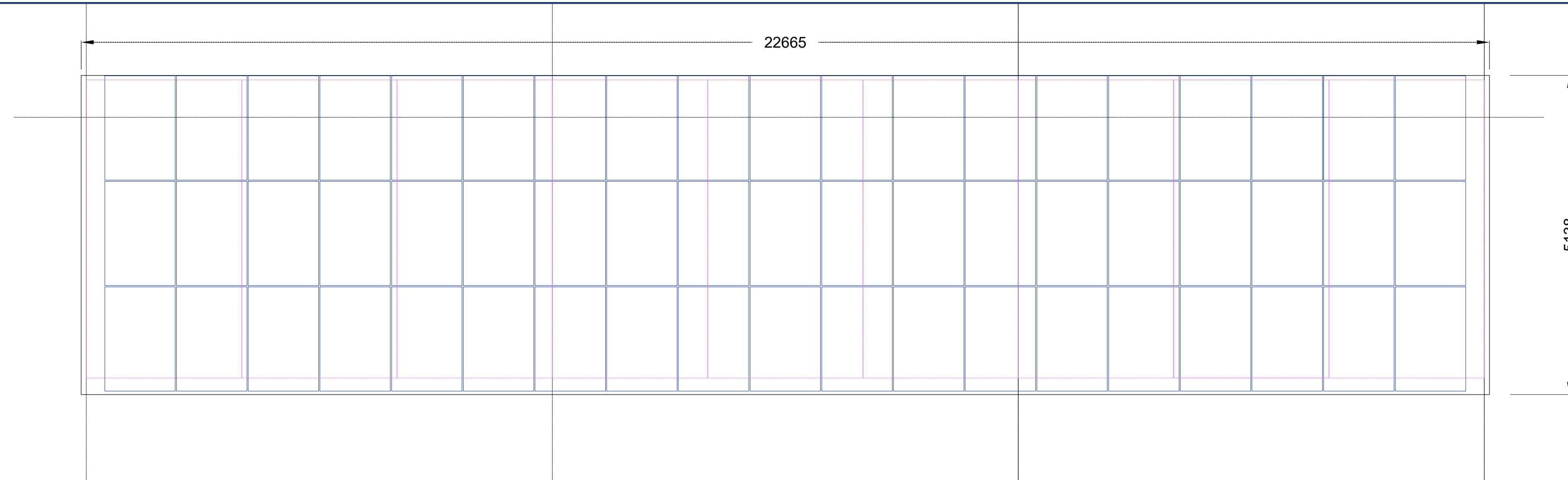
Structural frames are anchored to the ground using 4No. Spirafix ground anchors (size to be confirmed by pull out tests).

Type A and Type B frames allow opposite facing car park bays to be covered with frames situated towards rear of bays.

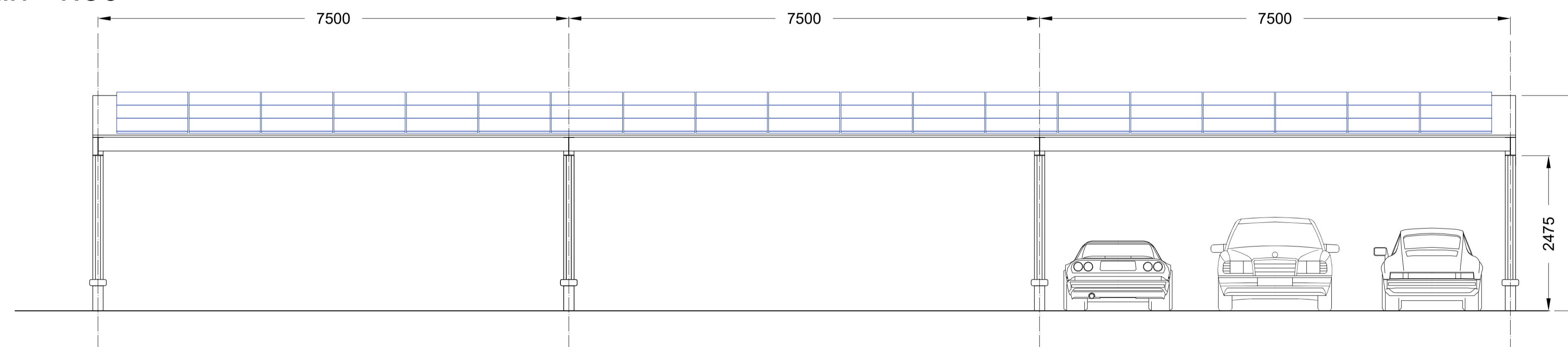
D profile rubber fenders provide bump contact protection for car doors etc.

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.

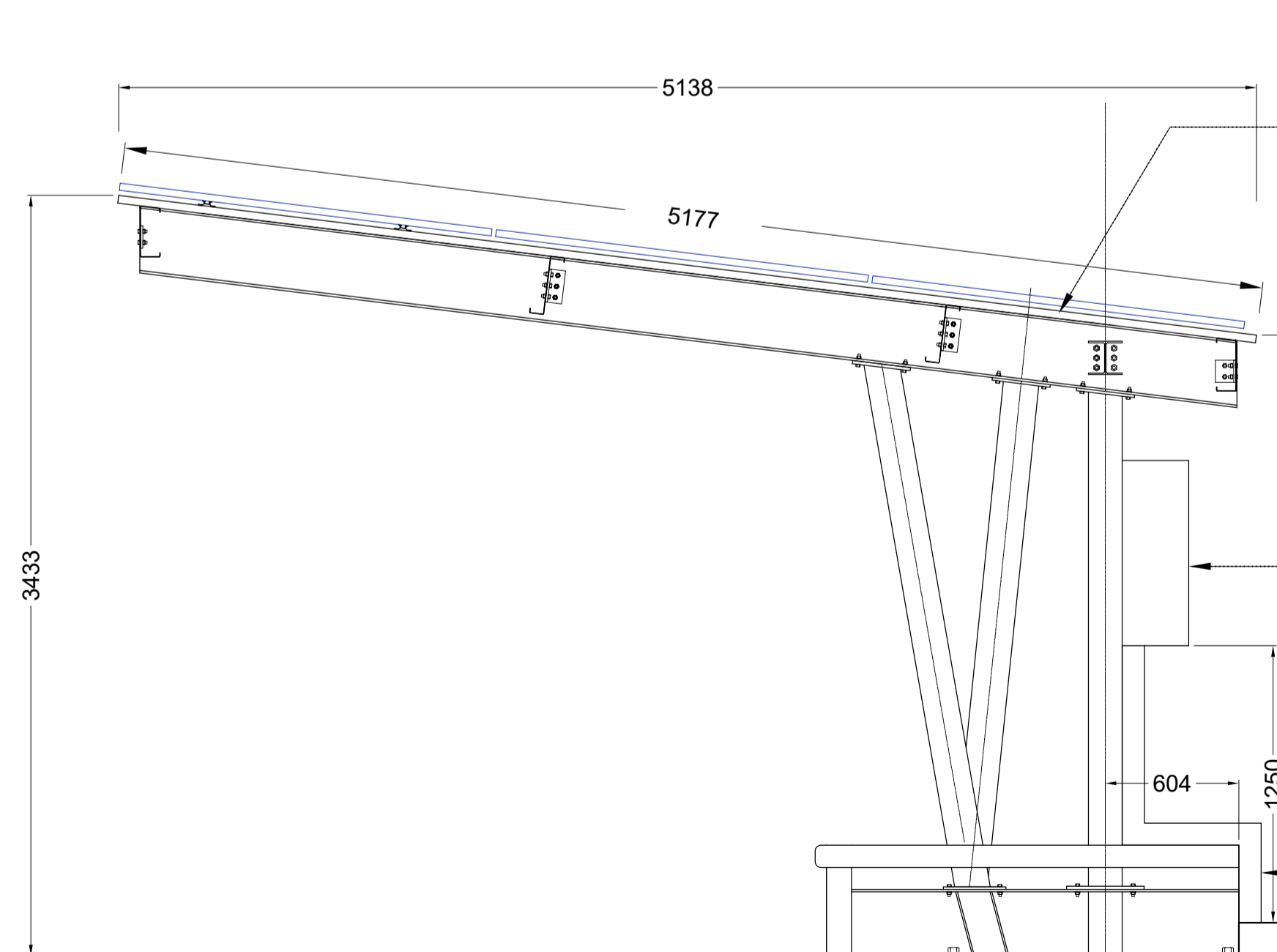
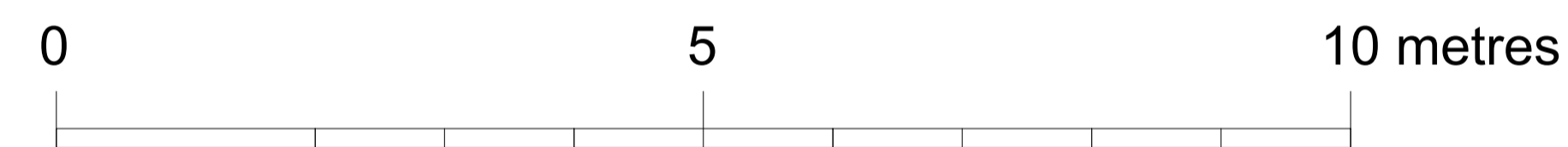
Solar PV inverters are typically mounted on the end of row frame at the appropriate end of the structure relative to the point of electrical connection to the customer's electrical system.



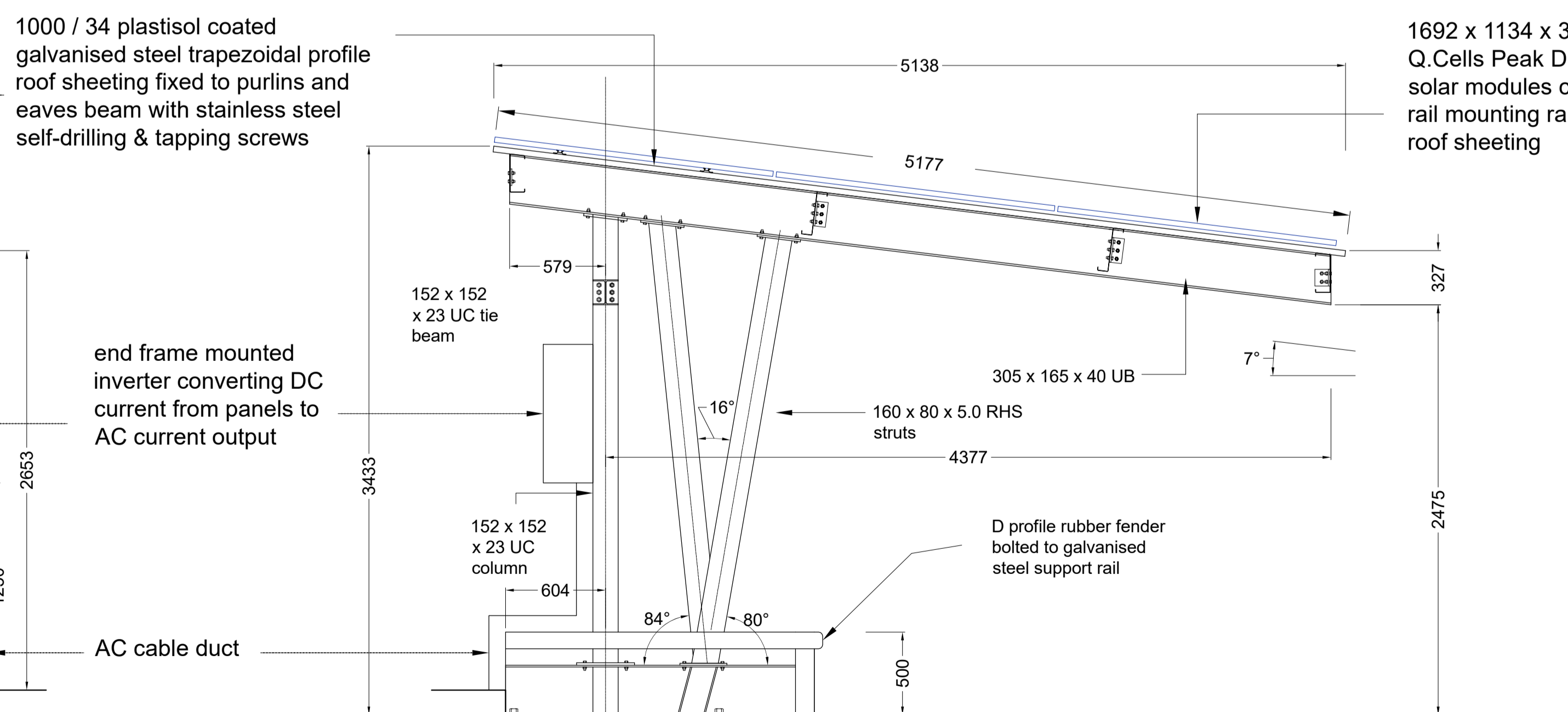
Typical Roof Plan 1:50



Typical Front Elevation 1:50



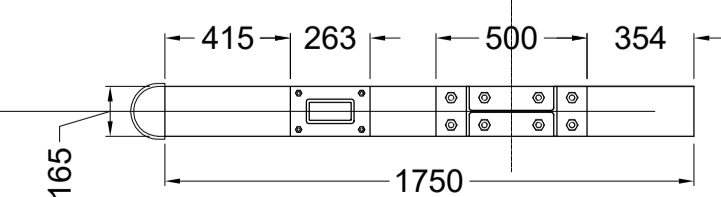
Type A Carport



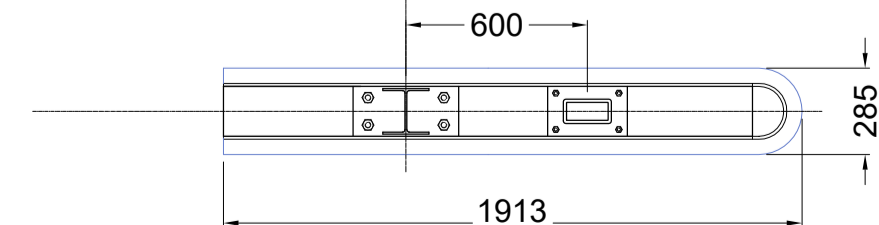
Type B Carport

Side Elevations 1:25

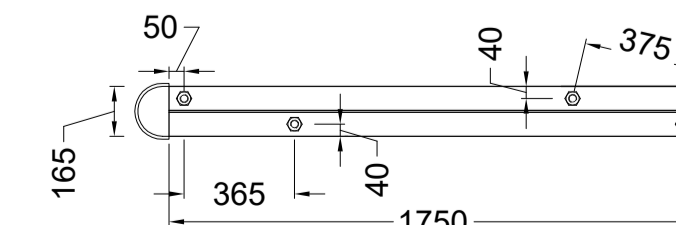
3 metres



Plan of ground beam showing connections



Plan of frame base



Plan section of ground beam showing ground anchor points

Revision	Description	Date	Drawn
B	Minor changes	25.09.23	RTH
A	Modules & layout changed	19.09.22	RTH



**Solarsense UK Ltd**  
 Helios House Unit 1 Tweed Road Industrial Estate  
 Clevedon BS21 6RR  
 ☎ 03337721800 e info@solarsense-uk.com

Client: **MHRA**

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

Drawing: **Solar Carport Plan and Elevations**

Scale: **1:50 & 1:25 @ A1** Drawn by: **RTH**

Date: **June 2022** Checked by:

Drawing Number: **MHRA / 04** Revision: **B**