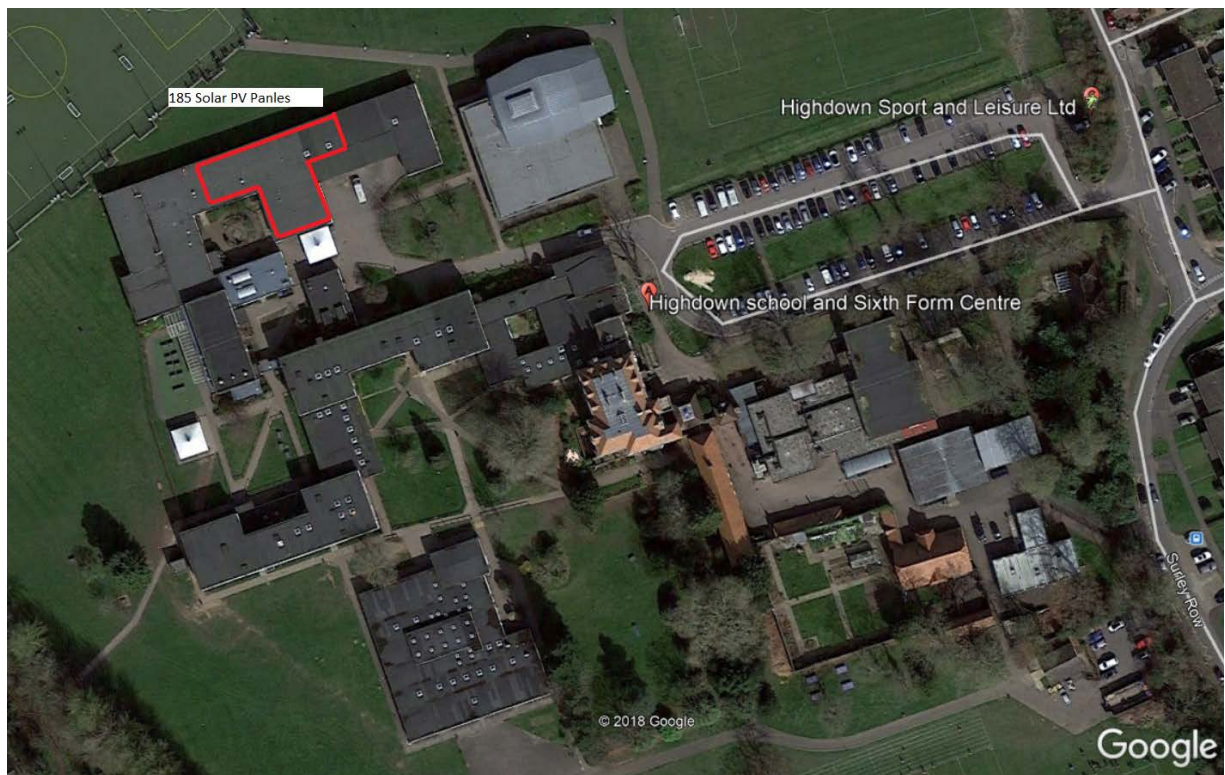


Highdown School solar PV

Here is an aerial view of the proposed installation:-



And a schematic plan



The installation will comprise of 193 JA 185W solar panels mounted on the flat roofs shown above on aluminium frames, there will be two inverters and a generation meter, (the electric company will convert their meter to an export meter). The total value of the installation will be around £50,000

The school will need to add this installation to their buildings insurance but apart from this there are no other costs that the school will have to pay. In the event of damage to the system the school will be responsible as detailed in the licence agreement. There are three main risks, re-roofing that takes more than a fortnight, sale or demolition of the buildings and disconnection of the electricity supply. It is unlikely that re-roofing these flat roof areas would take more than a fortnight, were the school to be sold the new owner would likely want to keep the installation and in the event of demolition the site would be sufficiently valuable for the system to be paid for, the school would not be able to function without an electricity supply.

In relation to calculating the likely savings on electricity costs, we have not had any figures from you however the first year savings for a similar installation was predicted to be £780 and over the life of the scheme these would most likely approach £30,000 in total assuming 2.5% energy price inflation. We have assumed 100% 7 days a week except for during the summer holidays where we have reduced this to 75% usage.

Frames will look approximately like these:-

