

KENTISH TOWN CITY FARM, NW5 PV SOLAR PANEL INSTALLATION

Design and Access Statement



February 2018

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JAP6 (K) panels by JA Solar

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Introduction 1.1

Summary

This Design and Access Statement has been prepared in support of the planning application for the installation of 42no. photo-voltaic solar panels on the roof of the existing stable block at Kentish Town City Farm. The installation will provide 11.34kWp electrical energy.

Gus Alston, CEO of Kentish Town City Farm says:

“Kentish Town City Farm are keen to pursue the installation of PV Solar Panels on our roof, in order to generate renewable energy. We feel that this will work to reduce our carbon footprint, and benefit the environment. Additionally it will offer us cost savings, and greatly contribute to the educational work that we undertake with the local community.”

Kentish Town City Farm are working with Power Up North London to deliver this project.



The farmyard looking towards the entrance



Entrance on Cressfield Close



Horse shoeing



Apple Day



Looking after the animals

Context 2.1

Kentish Town City Farm

Kentish Town City Farm is a community charity that helps people connect with animals, nature and the environment. It has an 80+ year lease on a 2.5 acre site situated between two railway lines close to Kentish Town.

KTCF provides an extensive educational programme to schools, therapeutic riding to people with special needs and farm related activities to local children and families. It was one of the first inner city farms to be created in London, on the site of a previous timber yard, and has been running for 45 years. It is an established and much appreciated part of the community in Gospel Oak, having provided activities for generations of children. During 2016 KTCF hosted over 200 education visits from around 5,300 students and had more than 29,500 people visiting the farm.

KTCF have a single storey, south facing stable block capable of supporting a solar PV installation. The roof is not significantly shaded and presents a good opportunity for local energy generation. The stable block is located near to the entrance to the farm, forming the north edge of the main farmyard, and the roof is clearly visible from within the farm. This makes it a good location for promoting renewable energy to the Farm's many visitors.



Aerial view of Kentish Town City Farm looking north, showing the stable block, and Woodyard and Cressfield estate to the south



Kentish Town City Farm in the 1970s



Site context 2.2

Site area photos



View of farm entrance from Grafton Road, looking up Cressfield Close



View north up Grafton Road



Cressfield and Woodyard estate



View of main farm building from south



Growing space and manure heaps



Paddocks at east end of the farm

Site context 2.3

The stable block

The stable block is located to the immediate south of the retaining wall to the railway cutting. It was built around 1990 to replace the original stable building (see page 2), to designs by Wharmby Kozdon Architects.

It has a simple and robust roof structure which is supported on timber poles. The sheet roofing is made from 'Corten' steel, which gives it a reddish appearance. The rainwater goods are zinc.

The new PV panels will be fixed through the steel roofing to the timber structure below, using proprietary fixings.



Corten steel sheet roofing with zinc gutter



Interior of stables



East end of stables



View toward stables



Pig pen and store



Office



Rear of the stable block

Proposal 3.1

Power Up North London

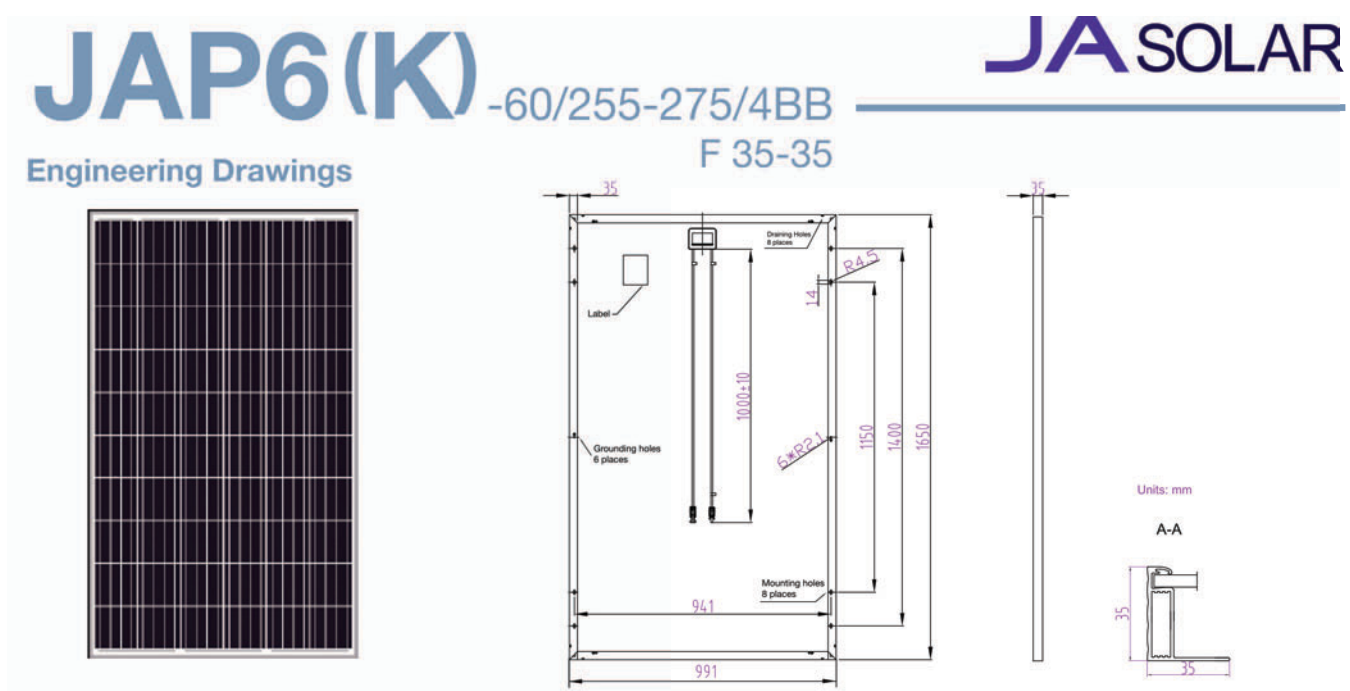
Power Up North London is a Community Benefit Society set up with the aim of promoting and generating locally-owned renewable energy, in order to reduce both harmful carbon emissions and the cost of energy. PUNL works with local Transition Town groups in Kentish Town, Dartmouth Park and Tufnell Park to develop and deliver projects, to help make communities stronger, greener and more self-reliant.

PUNL have recently completed a solar panel installation at St Anne's Church in Highgate. In its first year this scheme generated 17 MWh clean electrical energy. As well as reducing carbon emissions, the church benefits from discounted energy.



Proposal 3.2

PV solar panels



The panels proposed to be used at Kentish Town City Farm are to be JAP6(K) panels supplied by JA Solar, or similar. Please refer to appendix for technical details. These have recently been installed at Eleanor Palmer Primary School in Kentish Town.

The panels are 991 x 1650mm and are 35mm thick. They will be installed to purpose-made aluminium rails, which are fixed to the structure of the roof. They will lie close to the roof, following the existing profile.



PV solar panels at Eleanor Palmer Primary School, Kentish Town

