

ALFRED MEWS PV

Design and Access Statement

CONTENTS PAGE

1.0 EXISTING SITUATION

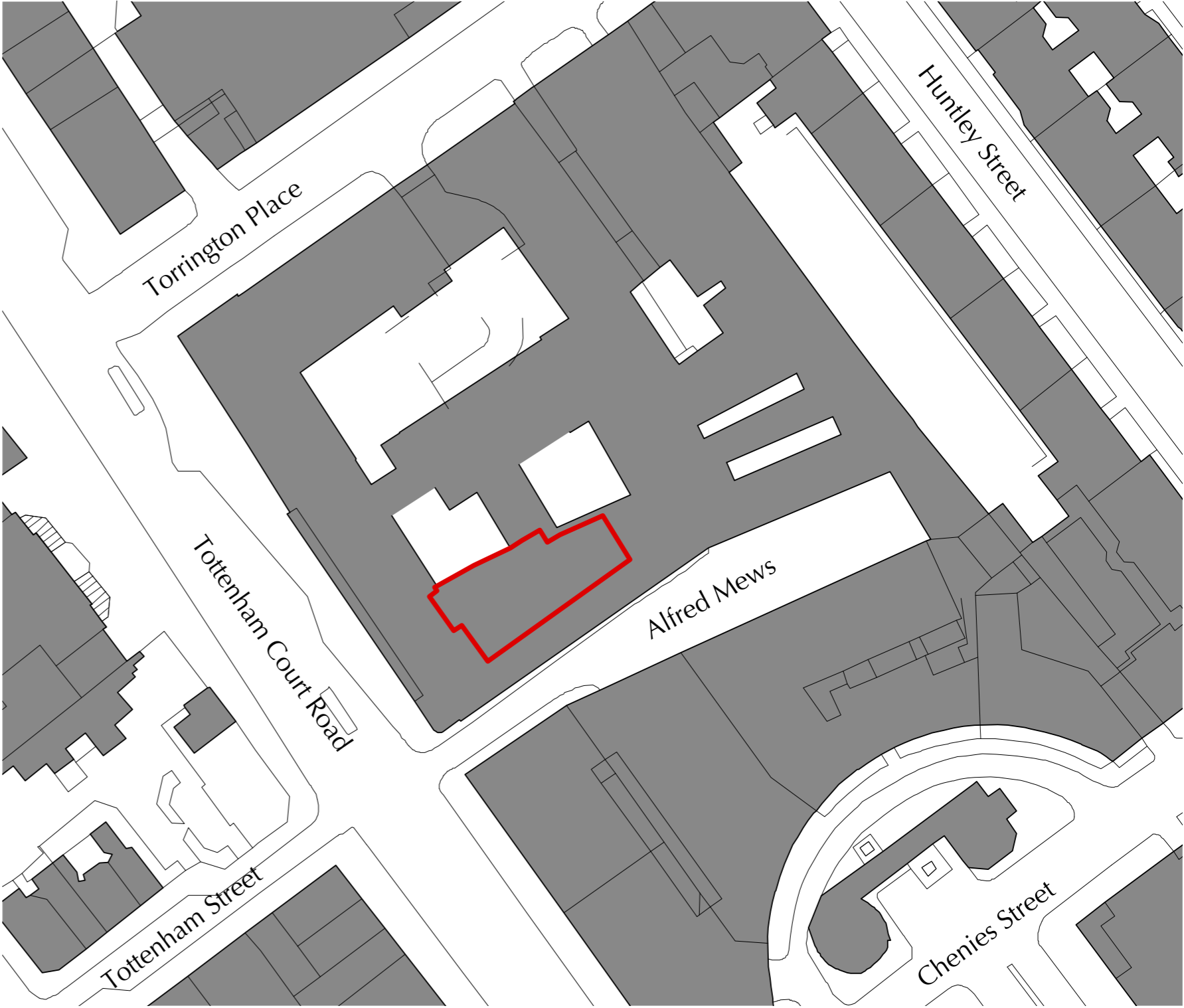
- 1.1 The Heal's Building
- 1.2 Planning Consents
- 1.3 Existing Roof

2.0 PROPOSAL

- 2.1 PV Cells Layout
- 2.2 Access

3.0 APPENDICES

- 3.1 Information from Installer



1.0 EXISTING SITUATION

1.1 THE HEALS BUILDING

Brief History

The original Heal's Building was completed in 1854, designed in a Venetian Palazzo style by architect J Morant Lockyer, housing the Heal's shop. The building's extension, completed in 1916, was designed by Architect Cecil Brewer, adding its distinctive frieze and colonnade and curved windows, as well as the new Brewer Staircase at the back of the building.

In 1937 the building was extended South, to the corner of Alfred Mews. Sir Edward Maufe was the architect responsible for this Art Deco extension which included a five-storey-high cathedral style window.

1.2 EXISTING CONSENTS

2014/4561/P

Montagu Evans submitted the Application for Planning Permission and listed building consent for alterations, extension or demolition of a listed building on the 14th July 2014. This dealt with the repositioning of the retail entrance to Heal's retail store, the refurbishment of the existing office floorspace on the 3rd, 4th and 5th floors, together with the refurbishment of the office entrance (at Alfred Mews), the erection of rooftop plant and highway improvements to Alfred Mews. Consent was granted on 27th May 2015.

2014/4745/L

Montagu Evans submitted the Listed building consent for alterations, extension or demolition of a listed building at the same time. The Listed Building Consent was approved on 19th of June 2015.

2015/5439/L

Planning and Listed Building Consent for Installation of temporary partitions to 4th floor level.

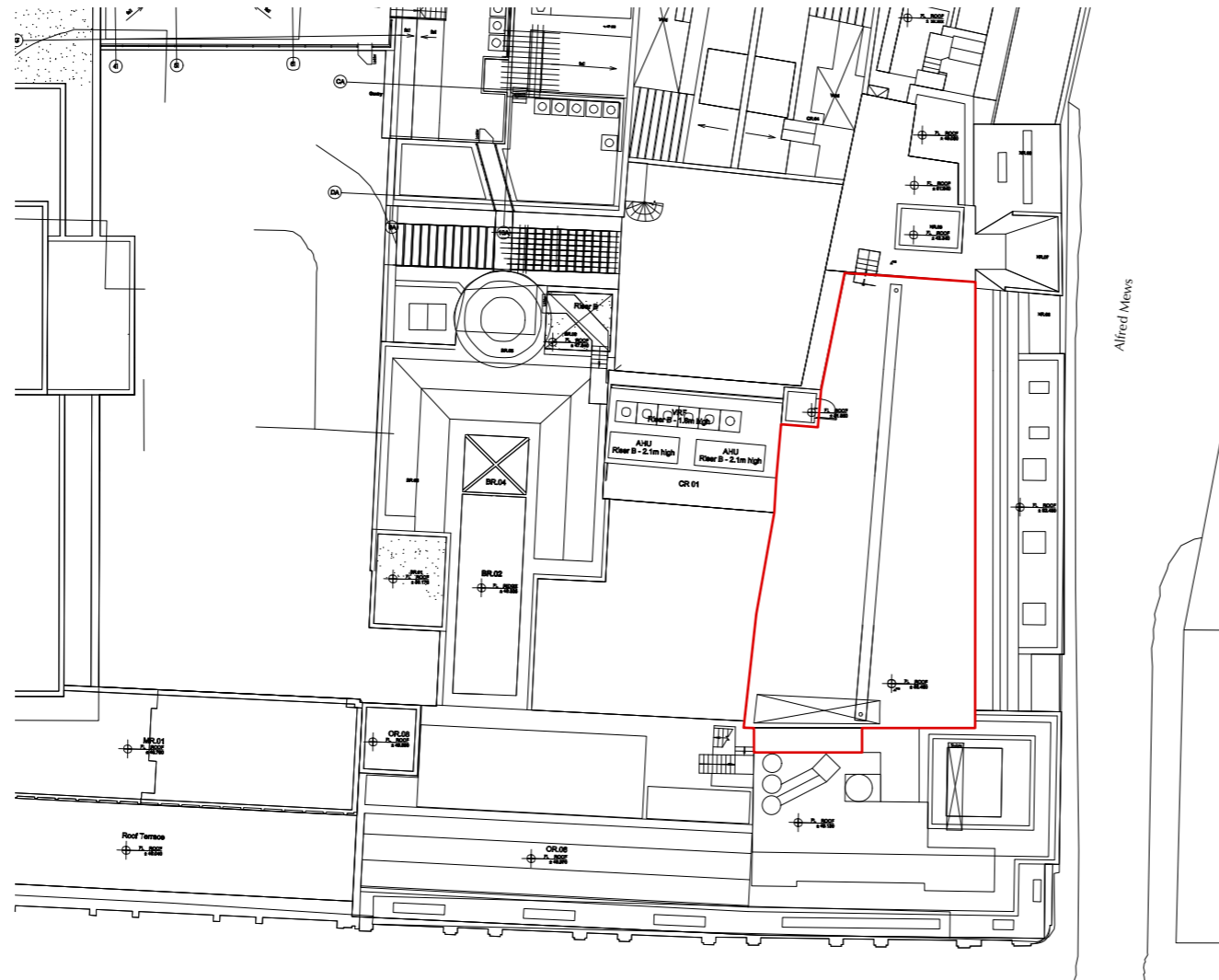


Existing building images

1.0 EXISTING SITUATION

1.3 THE EXISTING ROOF

The existing window is single glazed metal frame facing a courtyard and not overlooked. Secondary glazing has been added under the recent Cat A fit-out works.



Existing roof plan



Existing roof photos

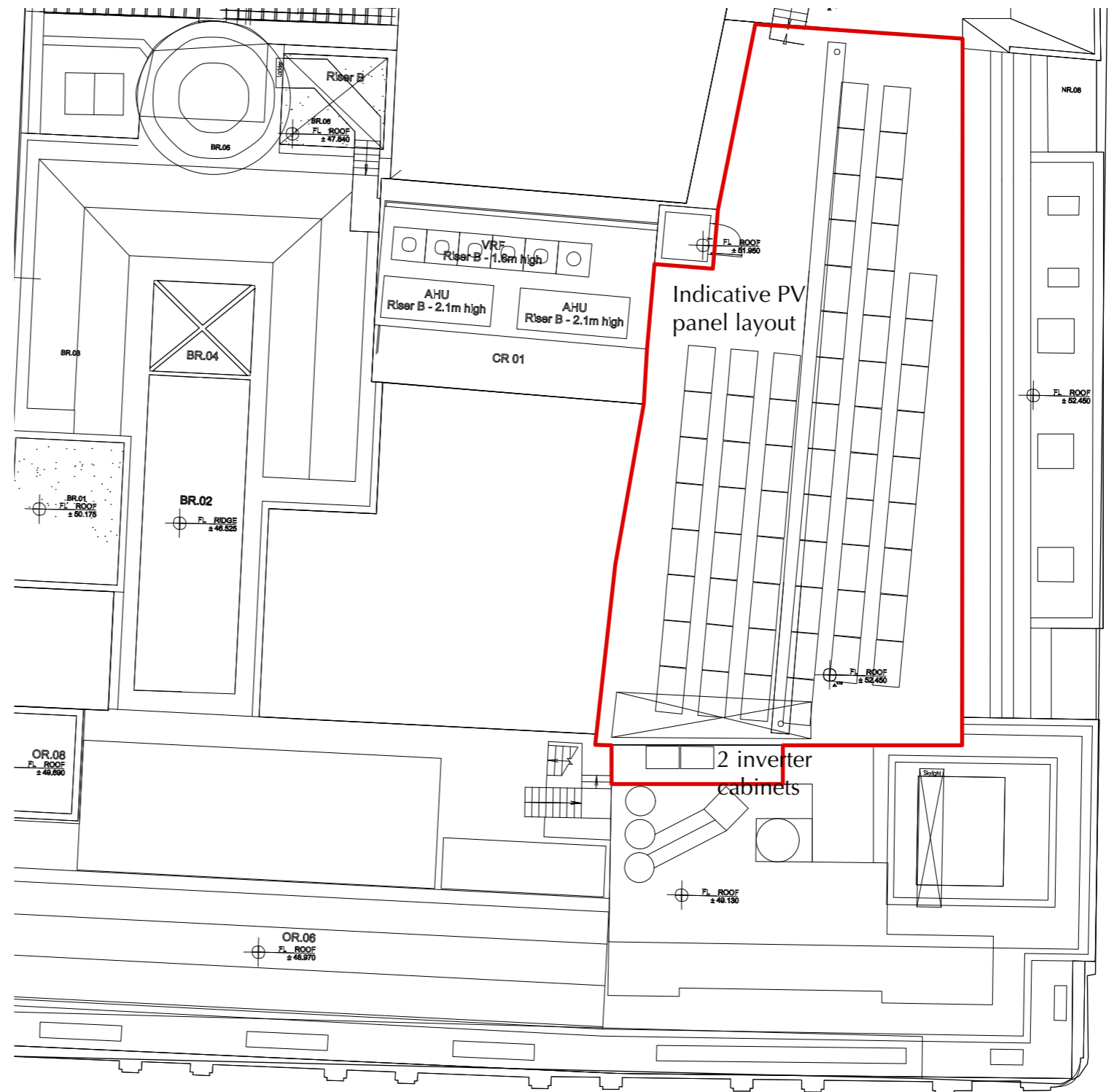
2.0 PROPOSAL

2.1 PV CELLS LAYOUT

Background Information

Photovoltaics (PV) are a method of generating electricity by converting sunlight into direct current electricity using semiconducting materials. Uses of this technology have been explored for more than 50 years and nowadays it is a well-established and reliable technology.

There is potential to install 98m² panels on the roof of the building (allowing access around the panels) which could be linked either into Smart Energy GB's metered electricity supply or the landlord supply.

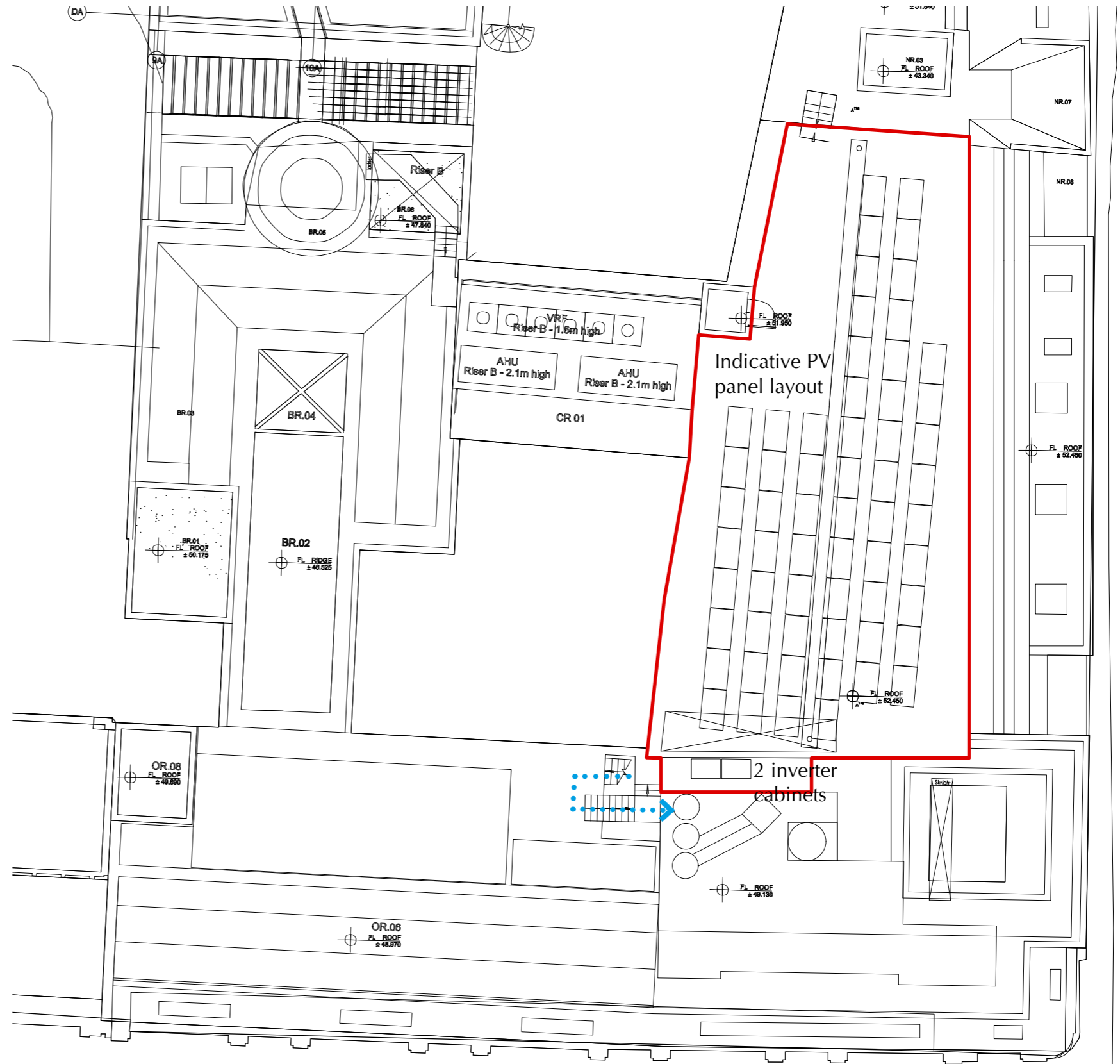


PV cell layout

2.0 PROPOSAL

2.2 ACCESS

Access to the roof is via existing staircases and will not be amended. Access will be for maintenance only and safety provisions will not be amended for the worse.



3.0 APPENDICES

3.1 INFORMATION FROM POTENTIAL INSTALLER

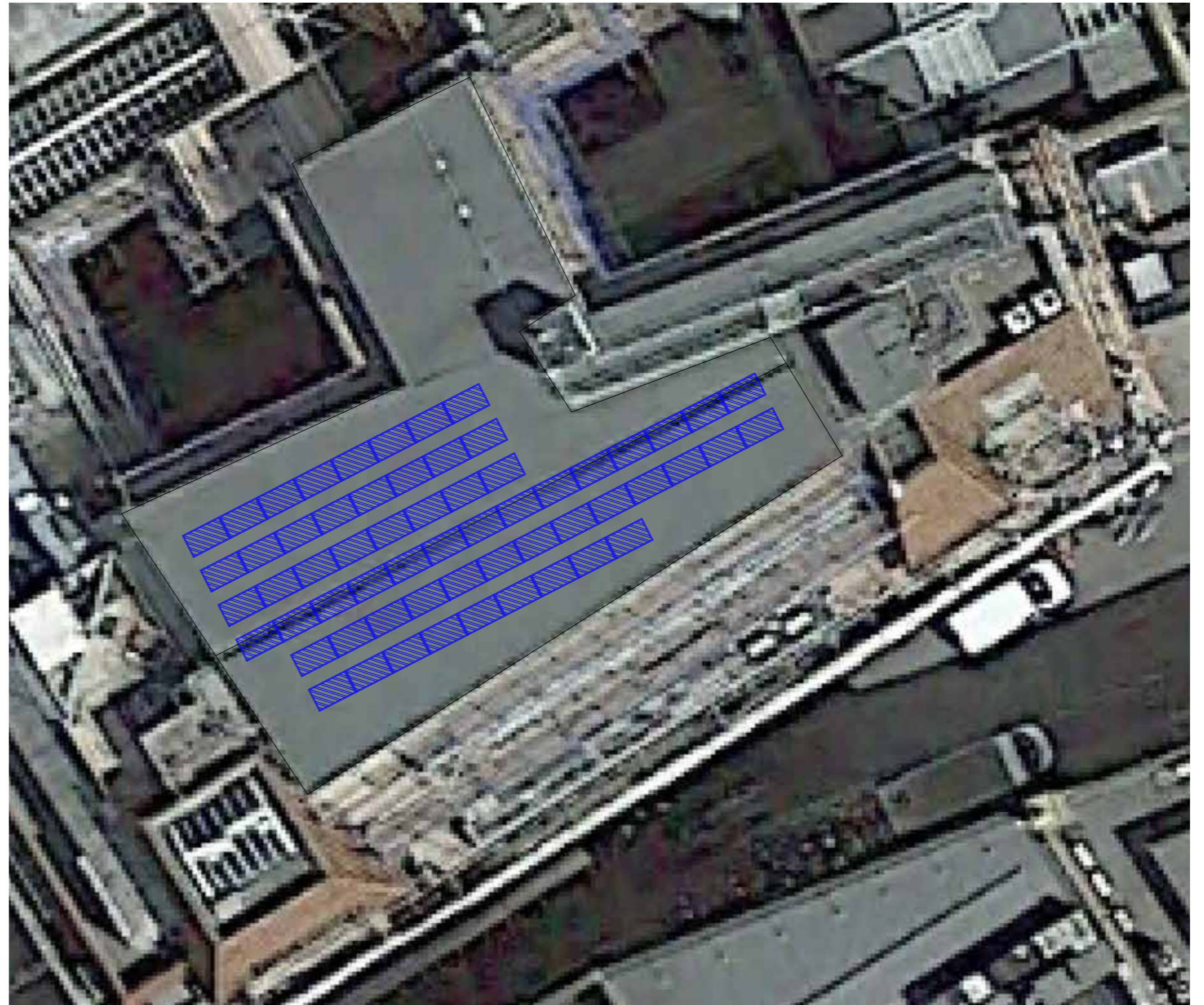
Initial PV Quote



PROJECT:	SmartEnergyGB	Oli Carey
PV REFERENCE:	92-00002	Regional Account Manager
COMPANY:	COVEBURGESS Architects	07791 054 619
CONTACT:	Ms Alicia Walters	oli.carey@evoenergy.co.uk
PHONE:	0203 019 1034	23-May-16

INSTALLATION PRICE & PERFORMANCE SUMMARY

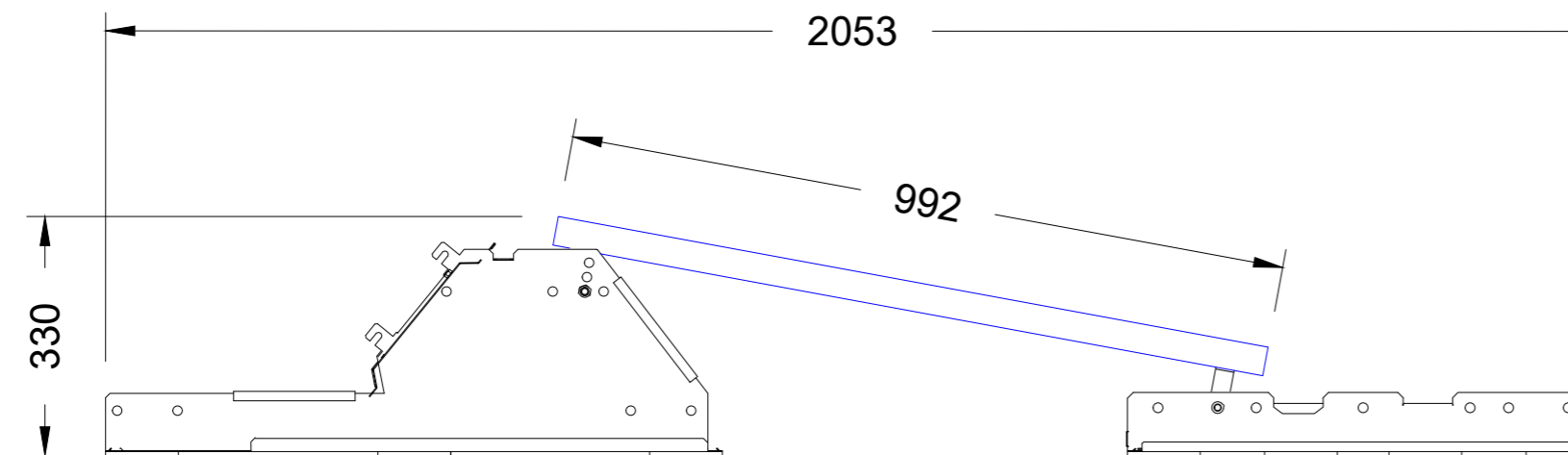
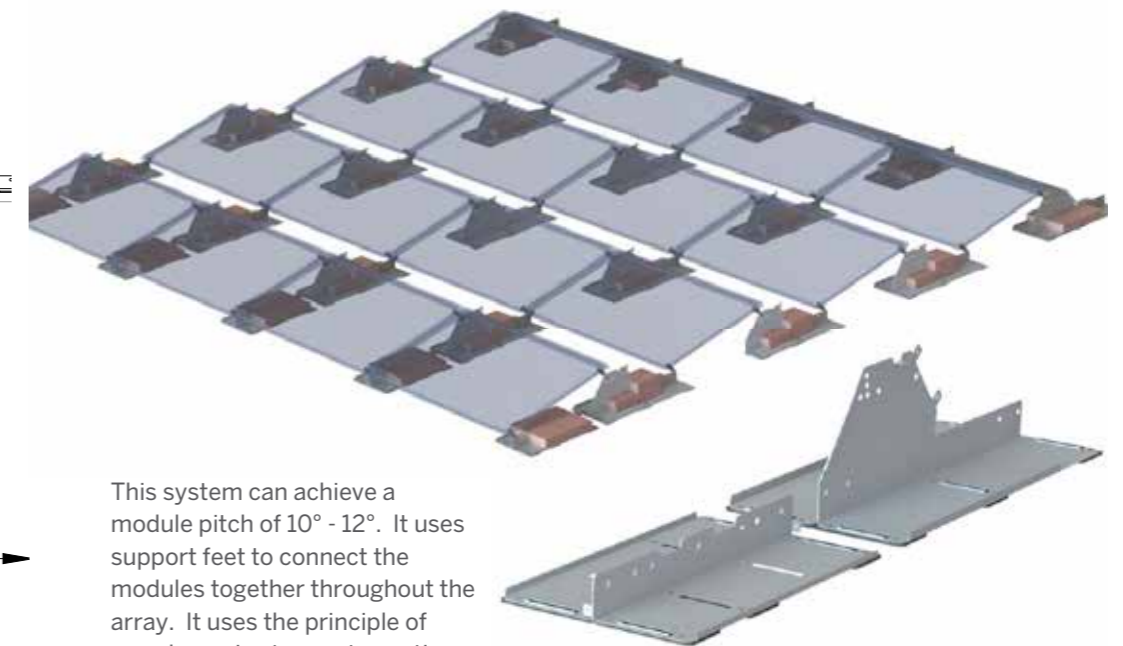
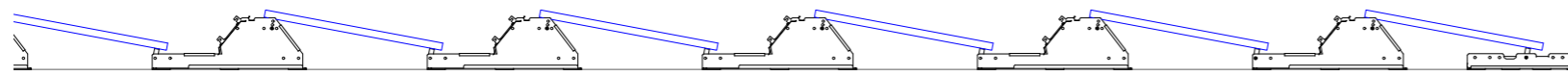
System Size (Peak Output)	15.60 kWp
Orientation	20
Angle from Horizontal	10°
Specific Output (MIS3002)	892.0 kWh/kWp/yr
Estimated Annual Energy Production	13,915 kWh/yr
Carbon Emissions Factor	0.4585 kgCO ₂ /kWh
Carbon Emission Savings	6,380 kgCO ₂ /yr
Area of Active PV	98 m ²



PV cell layout

LIGHT TEGRA

A low ballasted, non-penetrative flat roof system



This system can achieve a module pitch of 10° - 12°. It uses support feet to connect the modules together throughout the array. It uses the principle of aerodynamics to create suction underneath the system, therefore reducing the amount of additional ballast required to keep the array in place.

FIELD OF APPLICATION	Flat roofs
SUITABLE TOLERANCES	Min pitch 1°, max pitch 5°
MODULE ORIENTATION	Landscape only
CONNECTION	No connection, ballasted only
MATERIAL	Stainless steel, and galvanised steel
APPROXIMATE MASS	18.33kg/m ² (excluding mass of module and additional ballast)

FOR MORE INFO: WWW.SUNFIXINGS.CO.UK

MARCH 2015