

Our Ref: 23C08
Date: 02.05.2024

PLANNING STATEMENT

SITE SOLAR WORKS

For

CUMMINS TURBO TECHNOLOGIES LTD

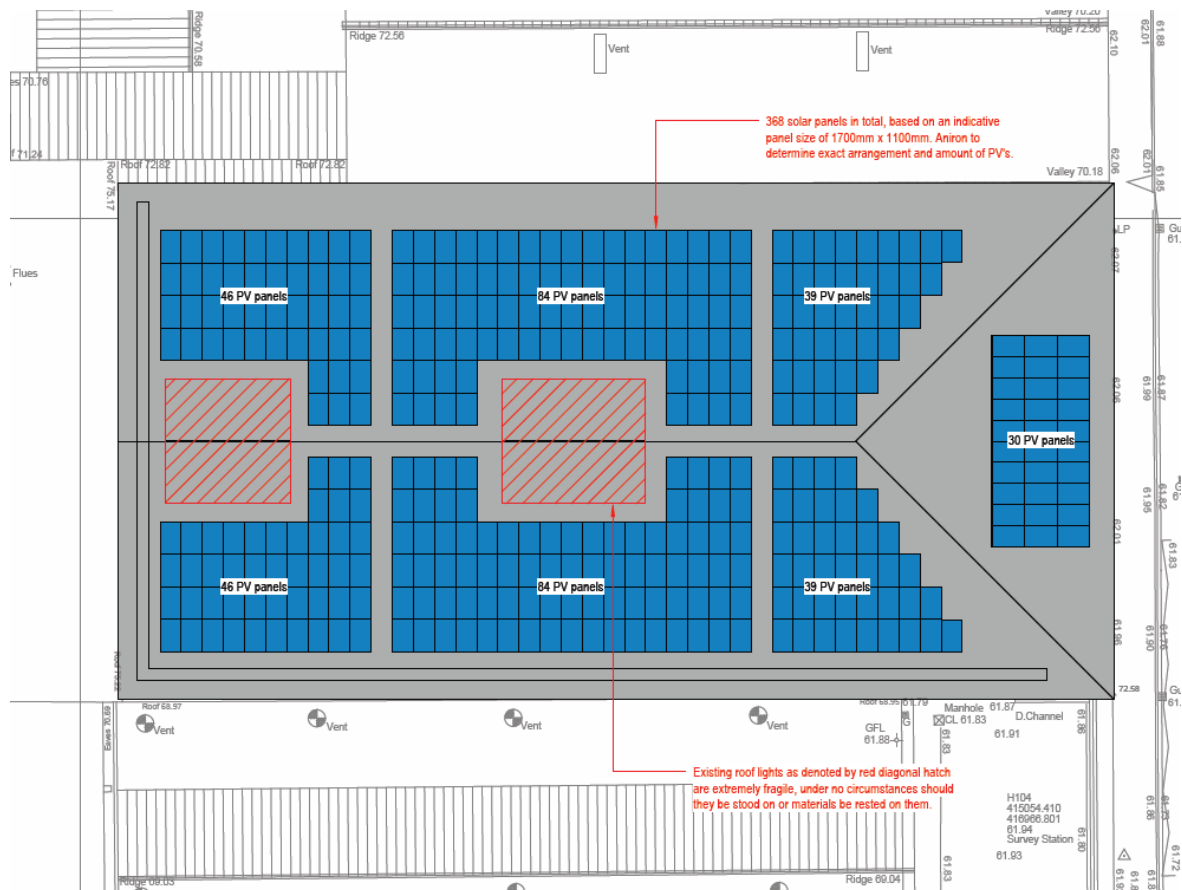
At

*ST. ANDREW'S ROAD, HUDDERSFIELD
HD1 6RA*

1.0 Introduction

- 1.1 This Planning Statement aims to provide context, justification, and an overview of the site solar proposals at Cummins Turbo Technologies, Huddersfield.
- 1.2 This application is for the second phase of Cummins' site solar project, the first phase of which was granted prior notification on 12th July 2023 under the reference 2023/91709. The works associated with this application have largely been completed to this date.
- 1.3 The phase 2 proposals of the site solar project will bring solar panels to the existing available roof space on Pump House (West), Compressor House, Oasis, Bay 2, Tech Centre, and Pump House (East). Approximately 971 solar panels have been proposed.

The below image shows the solar panel proposals to Oasis roof.

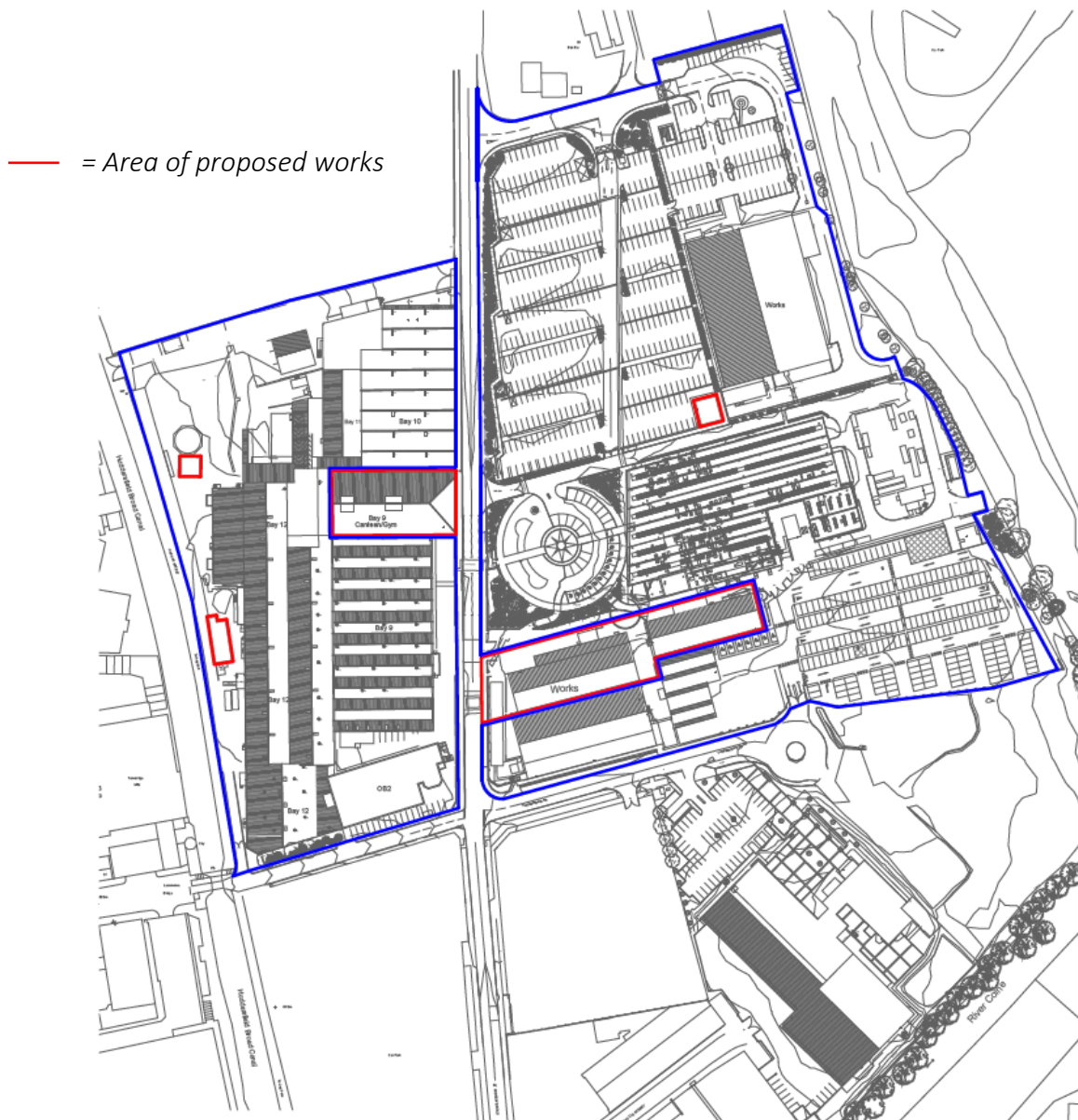


2.0 Location

2.1 The full site address is:

Cummins Turbo Technologies Ltd
St Andrew's Road
Huddersfield
HD1 6RA

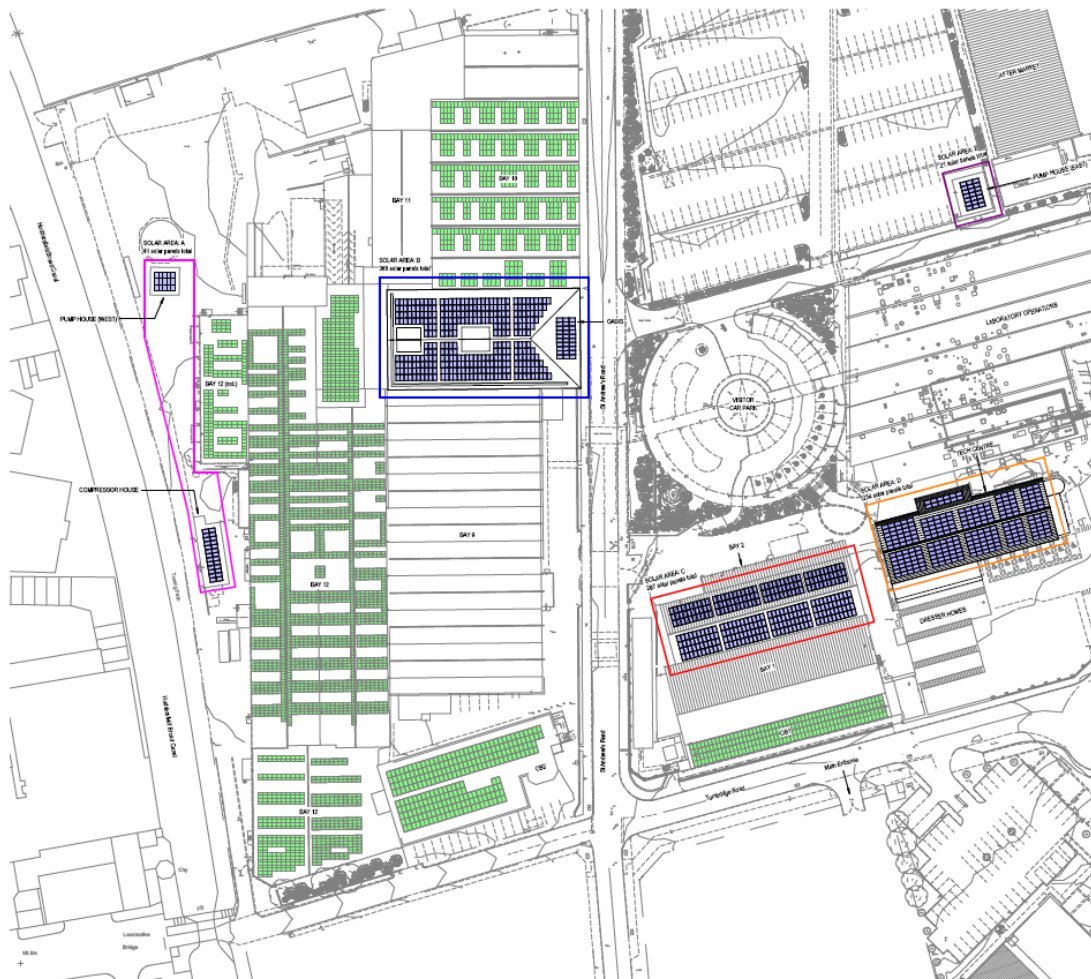
The below image is the location plan of the site.



3.0 Context

- 3.1 Clause 1.2 of this Planning Statement can be read to provide context around the site solar works.
- 3.2 Cummins in Huddersfield have a 'Planet 2050' renewable site goal and their phase two site solar proposals will contribute significantly to this goal. Approximately 2,000 solar panels were installed as part of phase one which equates to 136,000 tonnes of Co2 eliminated from the atmosphere. Considering the phase two proposals will bring an additional 971 solar panels as an approximation, the Co2 savings will be even more significant.

The below image shows the site solar proposals.



4.0 Proposal

- 4.1 The phase 2 proposals are for the installation of solar panels on the existing available roof space on the following buildings:

Solar Area A:

Pump House (West)
Compressor House

Solar Area B:

Oasis

Solar Area C:

Bay 2

Solar Area D:

Tech Centre

Solar Area E:

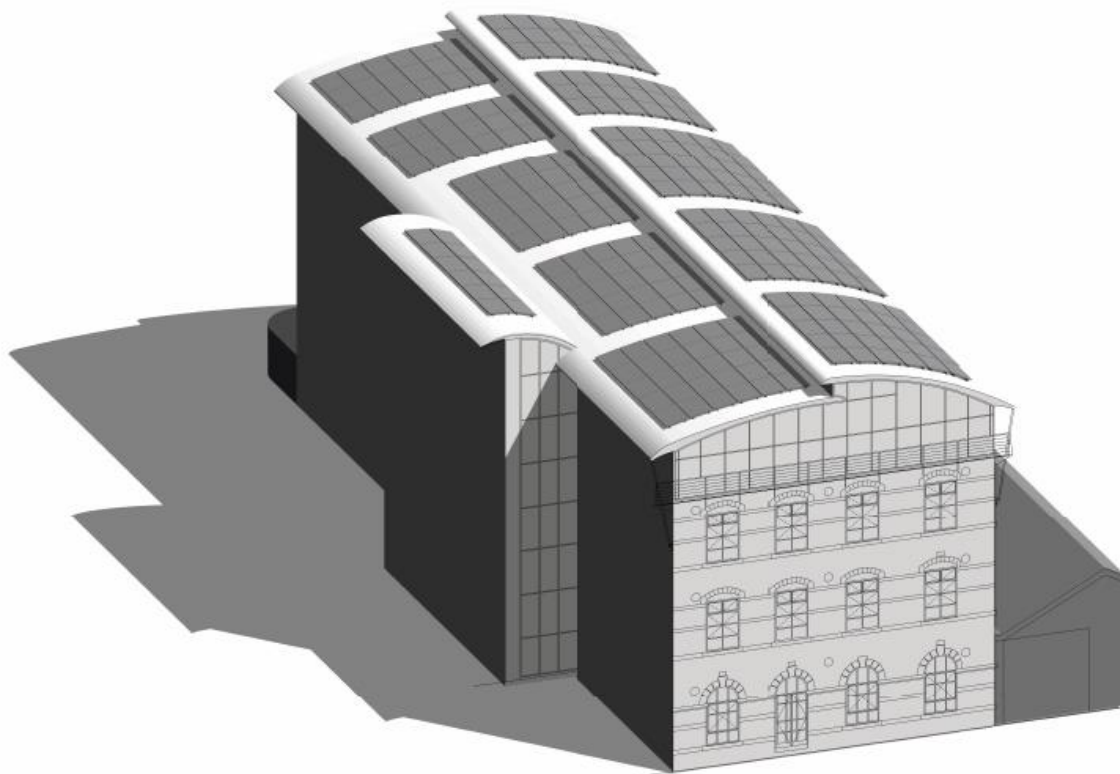
Pump House (East)

- 4.2 The approximate number of new solar panels that phase 2 will deliver is 971.
- 4.3 The approximate total power generated will be 450kWP.

5.0 History

- 5.1 Cummins Turbo Technologies are continually developing their Huddersfield site to improve the performance and safety of their buildings. A recent example of their improvement works is the roof replacement of the Laboratory Operations Building. These works involved the removal of the existing roof, removal of redundant mechanical and electrical equipment, the elimination of roof penetrations, and the installation of a new roof system to achieve a U-value beyond the minimum requirement of the Building Regulations.
- 5.2 The recent history involving the site solar works can be read in clause 3.2 of this Planning Statement.

The below image shows the solar panel proposals to the Tech Centre.



6.0 Solar Panels

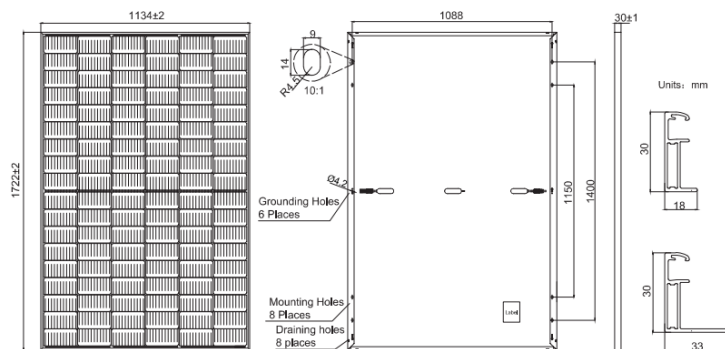
- 6.1 The solar panels to be installed are the JAM54S30 390-415/MR. They will be arranged to suit the varying roof shapes, sizes, pitches, roof lights, and services.
- 6.2 The panels will be fixed onto the following framing systems depending on the roof type:
 - FlatFix Fusion mounting system (for solar panels in a dual landscape orientation on a flat roof)
 - Manual ClickFit EVO mounting system (for solar panels in landscape or portrait orientation on metal sheet roofing)
- 6.3 Due to the curvature of the Tech Centre roof, the mounting system is to be confirmed. We anticipate this to be comprised of extruded aluminium profiles that have been curved to follow the profile of the roof. A secondary structure (also extruded aluminium profiles) will then be fixed to the curved profiles providing a platform for the solar panels to fix to.

The images below show the proposed solar panels.

JA SOLAR

JAM54S30 390-415/MR/1000V Series

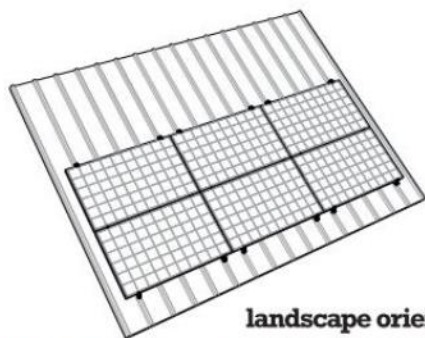
MECHANICAL DIAGRAMS



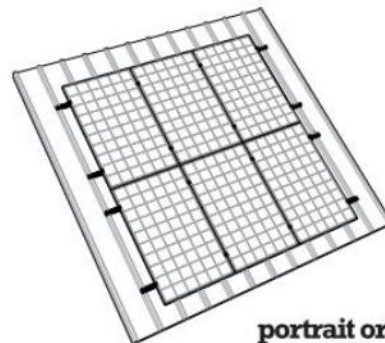
Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	19.5kg or 21.5kg
Dimensions	1722±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	108(6x18)
Junction Box	IP68, 3 diodes
Connector	Stäubli MC4 QC Solar QC 4.10
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
Country of Manufacturer	China/Vietnam
Front Glass	2.8mm or 3.2mm

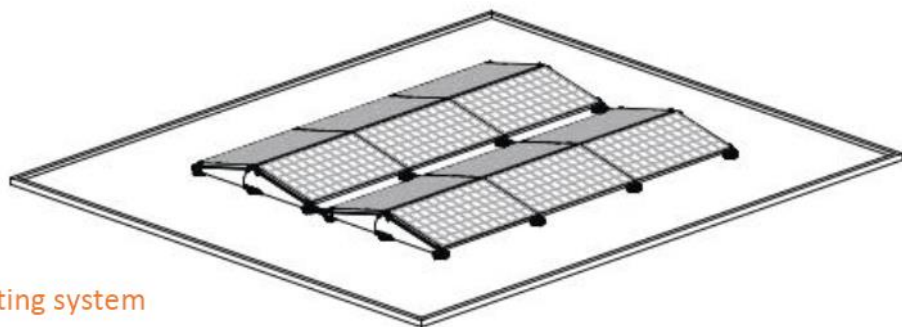


landscape orientation



portrait orientation

ClickFit EVO mounting system

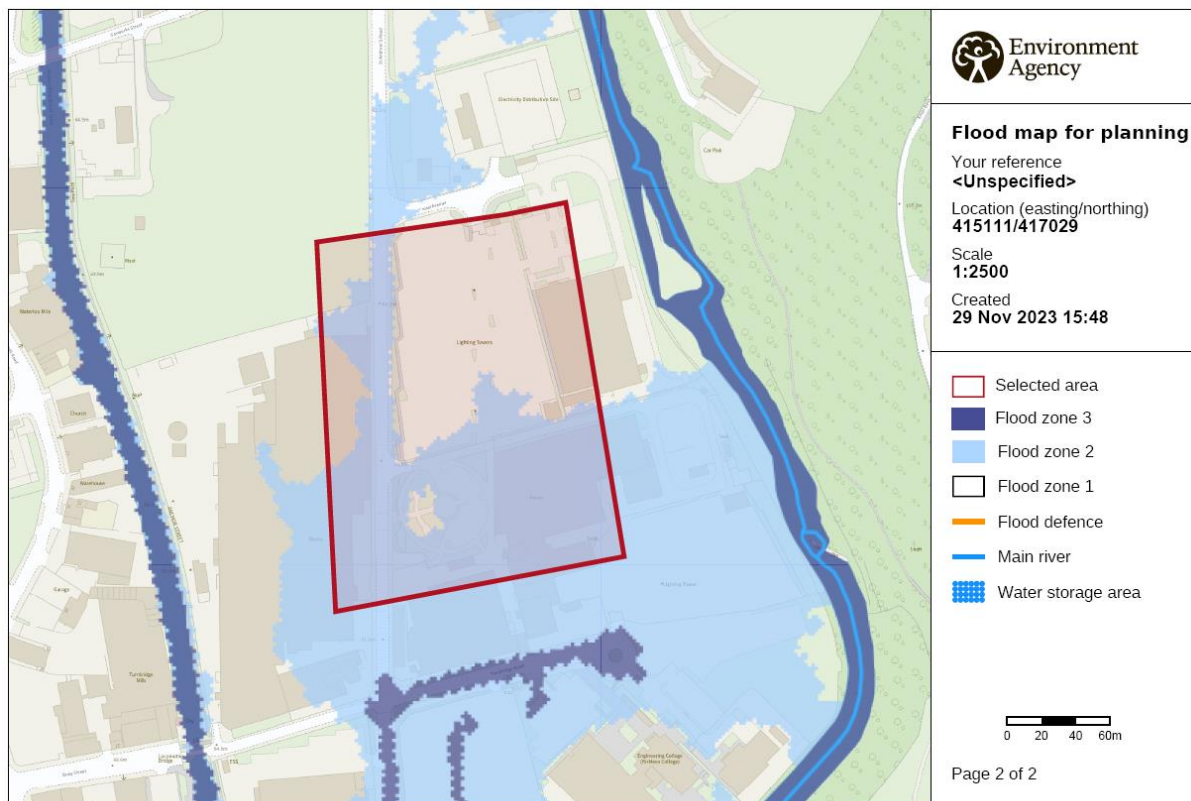


FlatFix Fusion mounting system

7.0 Flooding

- 7.1 The site is located in flood zone 2, which means there is a medium probability of flooding from rivers and the sea. However, we are not proposing any new hard standing areas. The site is already served by extensive flood protection measures.

The below image is the flood map for Cummins, Huddersfield.



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8.0 Permitted Development

This proposal is considered to meet the Permitted Development criteria under Schedule 2, Part 14, Class J of the Town and Country Planning (General Permitted Development) (England) Order 2015.

- J The installation, alteration, or replacement of
- a) microgeneration solar thermal equipment on a building;
 - b) microgeneration solar PV equipment on a building; or
 - c) other solar PV equipment on the roof of a building,

This proposal is for the installation of solar PV equipment on the existing roofs of multiple buildings.

- J.1 Development is not permitted by Class J if

- a) the solar PV equipment or solar thermal equipment would be installed on a pitched roof and would protrude more than 0.2 metres beyond the plane of the roof slope when measured from the perpendicular with the external surface of the roof slope;

The solar PV equipment will not protrude more than 200mm beyond the plane of the roof sloop when installed on a pitched roof.

- b) the solar PV equipment or solar thermal equipment would be installed on a flat roof, where the highest part of the solar PV equipment would be higher than 1 metre above the highest part of the roof (excluding any chimney);

The highest part of the solar PV equipment will not exceed 1000mm above the highest part of the roof when installed on a flat roof.

- c) the solar PV equipment or solar thermal equipment would be installed on a roof and within 1 metre of the external edge of that roof;

The solar PV equipment will not be installed within 1000mm of the external roof edges.

- d) the solar PV equipment or solar thermal equipment would be installed on a site designated as a scheduled monument; or

The site is not designated as a scheduled monument.

- e) the solar PV equipment or solar thermal equipment would be installed on a listed building or on a building within the curtilage of a listed building.

The solar PV equipment will not be installed on a listed building or within the curtilage of a listed building.

J.2 Development is not permitted by Class J (a) or (b) if

- a) the solar PV equipment or solar thermal equipment would be installed on a wall and would protrude more than 0.2 metres beyond the plane of the wall when measured from the perpendicular with the external surface of the wall;

No solar PV equipment will be installed on any walls as part of this proposal.

- b) the solar PV equipment or solar thermal equipment would be installed on a wall and within 1 metre of a junction of that wall with another wall or with the roof of the building; or

No solar PV equipment will be installed on any walls as part of this proposal.

- c) in the case of a building on article 2(3) land, the solar PV equipment or solar thermal equipment would be installed on a wall which fronts a highway.

No solar PV equipment will be installed on any walls as part of this proposal.

J.4 (1) Class J development is permitted subject to the following conditions

- a) the solar PV equipment or solar thermal equipment must, so far as practicable, be sited so as to minimise its effect on the external appearance of the building and the amenity of the area; and

The solar PV equipment, as far as practicable, will be sited so as to minimise its effect on the external appearance of the building and the amenity of the area.

- b) the solar PV equipment or solar thermal equipment is removed as soon as reasonably practicable when no longer needed.

The solar PV equipment will be removed as soon as reasonably practicable when no longer needed.

(2) Class J(c) development is permitted subject to the condition that before beginning the development the developer must apply to the local planning authority for a determination as to whether the prior approval of the authority will be required as to the design or external appearance of the development, in particular the impact of glare on occupiers of neighbouring land, and the following sub-paragraphs apply in relation to that application.

A Prior Notification application will be submitted.

(3) The application must be accompanied by—

- a) a written description of the proposed development;
- b) a plan indicating the site and showing the proposed development;
- c) the developer's contact address; and
- d) the developer's email address if the developer is content to receive communications electronically;

together with any fee required to be paid.

(4) The local planning authority may refuse an application where, in the opinion of the authority—

- a) the proposed development does not comply with, or
- b) the developer has provided insufficient information to enable the authority to establish whether the proposed development complies with,

any conditions, limitations or restrictions specified in Class J applicable to the development in question.

(5) Sub-paragraphs (6) and (8) do not apply where a local planning authority refuses an application under sub-paragraph (4) and for the purposes of section 78 (appeals) of the Act such a refusal is to be treated as a refusal of an application for approval.

(6) The local planning authority must give notice of the proposed development—

- a) by site display in at least one place on or near the land to which the application relates for not less than 21 days of a notice which
 - i. describes the proposed development;
 - ii. provides the address of the proposed development;
 - iii. specifies the date by which representations are to be received by the local planning authority; or
- b) by serving a notice in that form on any adjoining owner or occupier.

(7) The local planning authority may require the developer to submit such information as the authority may reasonably require in order to determine the application.

(8) The local planning authority must, when determining an application—

- a) take into account any representations made to them as a result of any notice given under sub-paragraph (6); and
- b) have regard to the National Planning Policy Framework issued by the Ministry of Housing, Communities and Local Government in July 2021, so far as relevant to the subject matter of the prior approval, as if the application were a planning application.

(9) The development must not begin before the occurrence of one of the following—

- a) the receipt by the applicant from the local planning authority of a written notice of their determination that such prior approval is not required;
- b) the receipt by the applicant from the local planning authority of a written notice giving their prior approval; or
- c) the expiry of 56 days following the date on which the application under sub-paragraph (3) was received by the local planning authority without the authority notifying the applicant as to whether prior approval is given or refused.

(10) The development must be carried out—

- a) where prior approval is required, in accordance with the details approved by the local planning authority;
- b) where prior approval is not required, or where sub-paragraph (9)(c) applies, in accordance with the details provided in the application referred to in sub-paragraph (3),

unless the local planning authority and the developer agree otherwise in writing.

(11) The local planning authority may grant prior approval unconditionally or subject to conditions reasonably related to the subject matter of the prior approval.

(12) When computing the number of days in paragraph (6)(a), any day which is a public holiday must be disregarded.