

SITE SURVEY REPORT

Solar Installation Site Survey

Prepared for	G. Lister (homeowner)
Date	26 Sep 2026
Site	22 Holly Road, Harrogate
Prepared by	C. Whitfield

FORM

Solar Installation Site Survey**1. Record details and scope**

Project	22 Holly Road, Harrogate: solar PV site survey (completed example)
Site or premises address	22 Holly Road, Harrogate
Client or organisation	G. Lister (homeowner)
Record date	26 Sep 2026
Person completing the record	C. Whitfield, surveyor, Nidd Valley Solar Ltd

This is a preliminary site evidence record, not structural approval, an electrical design, generation forecast, planning consent or permission to access a roof.

HSE roof-work guidance requires planning for falls and fragile surfaces. Government solar fire research also identifies installation-related issues. Survey information must feed competent design and safe installation planning.

2. Proposal and access

Proposed array area and client requirements	Array on the rear roof slope, about 10 panels if space allows. Client wants a battery in the cellar.
Site plan and roof drawing reference	Sketch plan SP-HR22-01 drawn on site
Survey access method and excluded areas	Roof viewed from the ground, the rear bedroom window and the loft only. No roof access; front slope seen from the street.
Roof age, construction and available records	Natural slate, believed original. Client has no roof records; front slope repaired around 2015.

3. Roof and surroundings**Roof or site area 1: Area A, rear main slope, facing south-west**

Area ID and orientation	Area A, rear main slope, facing south-west
Observed dimensions, pitch and measurement method	About 7.5 m wide by 4.5 m on slope, pitch about 40 degrees. Estimated by counting slate courses and from the loft.
Visible condition and fragility concerns	Slates generally sound from below, some moss. Chimney stack and aerial on the party wall side. Fragility of slates under foot is a concern; no walking on the roof.

Obstructions, shading and observation time

Chimney stack shades the left side of the slope in the late afternoon. Observed at 15:30.

Area photos from safe access



Roof or site area 2: Area A from inside, roof void

Area ID and orientation

Area A from inside, roof void

Observed dimensions, pitch and measurement method

Rafters at about 400 mm centres, measured with tape in the loft

Visible condition and fragility concerns

Torn sarking felt around the roof light, daylight visible. Rafters dry, no obvious rot seen from the loft.

Area photos from safe access



Roof or site area 3: Area B, front bay roof, facing north-east

Area ID and orientation

Area B, front bay roof, facing north-east

Visible condition and fragility concerns

Small, shaded and on the street elevation. Not proposed.

Area photos from safe access



4. Installation interfaces

Structural assessment needed and engineer reference

Structural engineer to check rafters for panel and fixing loads. Referred to Kirkgate Structures, ref KS-2026-338.

Supply, meter, equipment location and cable route observations

Single-phase supply, meter and consumer unit in the cellar. Cable route from the loft down the rear bedroom cupboard. Cellar may need ventilation check for the battery.

Fire access, separation and emergency information to resolve

Rooftop isolation and fire service labelling to be designed. Battery position in the cellar to be agreed with the designer.

Planning, building control and network permission references

Check with the planning authority whether the conservation area affects the rear slope. Network notification to be made by the installer.

5. Design handover

Missing information and specialist surveys

Rafter sizes measured, timber grade unknown. Felt condition needs repair before installation. Shading figures estimated from one afternoon visit only.

Designer receiving the survey

D. Haigh, PV designer, Nidd Valley Solar Ltd

Constraints to carry into design

No roof access without scaffold. Chimney shading on the left side. Felt repair needed around the roof light.

6. Actions and review

Are further actions required?

Yes

Further action 1: Send loft photos and measurements to the structural engineer

Action and evidence reference	Send loft photos and measurements to the structural engineer
Person responsible	C. Whitfield
Target date	29 Sep 2026
Action status	Completed
Completion evidence	Emailed to Kirkgate Structures 28 September, ref KS-2026-338.

Further action 2: Ask the client to confirm conservation area status with the planning authority

Action and evidence reference	Ask the client to confirm conservation area status with the planning authority
Person responsible	G. Lister
Target date	10 Oct 2026
Action status	Open
Outstanding limitations and information to pass on	No roof access. All slope dimensions are estimates. Not a design or a generation forecast.
Record status	Ready for review
Reviewed by	D. Haigh
Review date	29 Sep 2026

Author signature



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