The Eco Team Limited

Method Statement

Project Title: Bream Street	
Client/Principle Contractor: Quadrant Construction (L&Q)	PV Electrical installation
Start Date: 22/07/2019	P.V.System
Method Statement By: Gianni Perna Date: 22/07/2019	Revision: 0

Risk Review

Working at Height	**No**		Interface with the Public	**No**	
Plant & Machinery	**No**		Noise/ Vibration	**No**	
Lifting Operations	**No**		Fire / Explosion	**No**	
djacent to Live Services	**yes**		Falling Materials	**No**	
Manual Handling	**Yes**		Hot Works	**No**	
Excavations	**No**		Electricity	**yes**	
Confined Spaces	**No**		Asbestos	**No**	
COSHH	**No**		Stability of structures	**No**	

Other Significant Risks: e.g. Gas Appliances/Flues & Carbon Monoxide

Resource Requirements

Supervision:	Name/s	Position/s	Contact Tel:
	Felipe Browne	Managing Director	07854 337064
	Gianni Perna	Working Foreman	07813 803414

Number of personnel: **2**

PPE for Activity:

Hard Hats	**Yes**	
Protective Boots	**Yes**	
Hi Vis Clothing	**Yes**	
Gloves	**Yes**	
Eye Protection	**Yes**	
Masks / Respirators	**No**	
Ear Protectors	**No**	
Harness / Restraints	**No**	

Other

Key Equipment / Plant to be used:

Electrical hand tools, Hacksaw, electrical tester, 18v drills and drivers.

Key Materials (Particular regard to COSHH and fire):

Copper insulated cable, galvanised cable tray, screws. Inverters, isolators,

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Brief description of task: (Including location)

The Eco Team will install and test the DC electrical circuit from the P.V. array to the inverter unit including all accessories and components to the requirements set out in B.S.7671 and following "safe isolation procedures"

Sequence of task / activity: (With regard to safety issues)

1. Delivery and Loading Out

1.1 All materials will be delivered to the site on a must in time basis to avoid storage on site

1.2. Materials will be loaded out by hand in original packaging.

2.0 A.C. And DC cable electrical.

2.1 DC & AC Isolators to be fitted in top floor risers using screws to plywood.

2.2 Inverters to be fitted in top floor risers using screws to plywood.

2.3 DC Electrical Connections to be made from DC isolator to inverter using cable tray where required.

2.4AC Electrical connections to be made from inverter to AC isolator using cable tray where required.

2.5 Connections to be made from AC isolator to Generation meter, mounted using screws at distribution point.

2.6 Electrical connections to be made from generation meter to MCBs on Distribution Board supplied by others.

2.7 Cable containment to be included where neccessary and fixed using screws.

2.8 PV circuits to be tested in line with BS 7671, MCS001, MIS3002 guide lines and using "safe Isolation Procedures".

2.9 PV circuits to be signed off and notified to DNO, MCS and Local Authority, and labelled as required.

3.0 Inverter to be mounted to wall in agreed location.

3.1 AC and DC isolator and Generation meter to be mounted in agreed location.

3.2 Full "Handover Pack" to be supplied following completed installation.

This will give guides to operation and maintenance of all components and PV system "safe isolation procedure".

Access for workforce/materials to site: (Include routes and arrangements for off loading & storage of materials on site, lighting etc)

All Operitives to Sign In and out each day using Higgins sub-contractor daily checklist.

Deliveries to be as directed by site management

Materials to be man handled to work area.

Attach a site plan if necessary

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Plant & equipment:(Description of type of equipment and how it is to be used for the task)	**Training requirements**
Cordless drill/driver fixing of cable clips and electrical components	Competant Persons
DC Electrical test meter	Competant Persons
Electricians hand tools	Competant Persons

Materials: (Details of how the identified materials will be handled, distributed and stored - ensure relevant COSHH assessments & safety data sheets are attached)

All materials required will be delivered as and when required and handled as described above.

All electrical components to be handled with care

Supervision, co-ordination / interface issues: (Supervision and monitoring, co-ordination with other contractors, the public etc)

Liason with electrical contractor will be neccessary for location of AC supply components & connection to distribution bo

Isolations, terminations and any special measures to be taken:(Permits, fire alarm isolations, special emergency procedures)

Emergency procedures to be verified at site induction.

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Housekeeping: (Details of who, when and how excess materials, rubbish and debris will be removed from the workplace)
Rubbish will be removed on a tidy as you go basis to onsite bins/ skips . (cardboard & cable off-cuts)

Additional information; relevant technical information; comments or any other considerations:
All electrical components to be handled and fitted to manufacturers recommendations
Electrical test meter to have upto date calibration cert
All electrical connections, terminations and testing to be made and checked by competant person.

Don't Forget: supply all relevant training information / certification / COSHH assessments and safety data sheets.

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Method Statement Briefing Register

Name (Please print)	**Signature**	**Date**