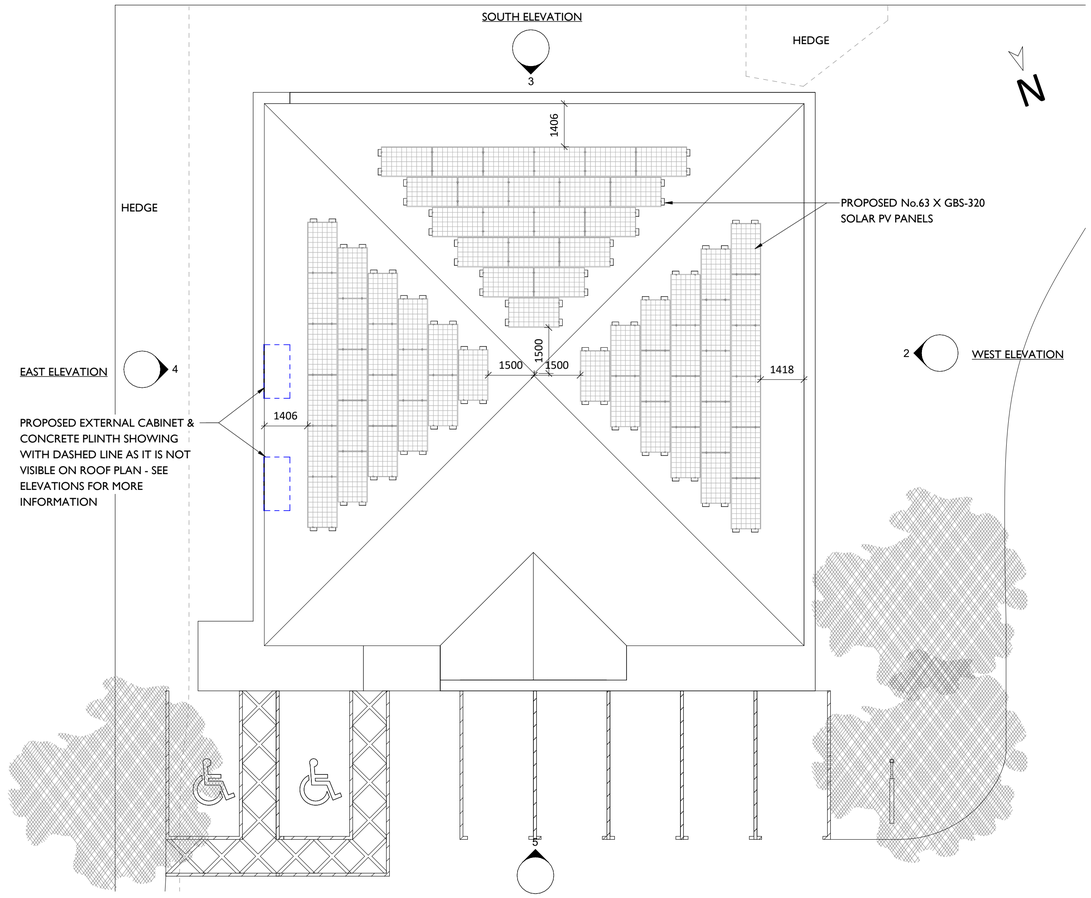
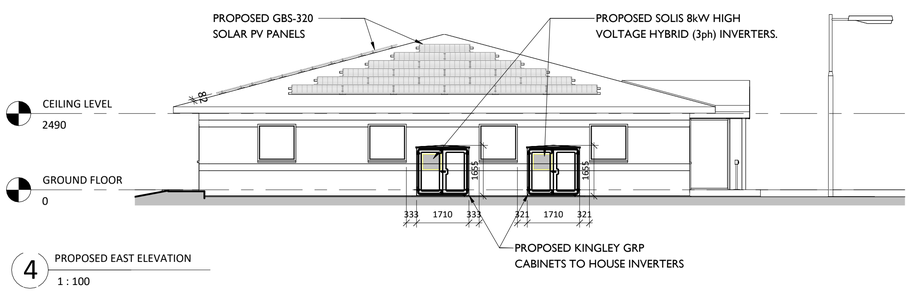
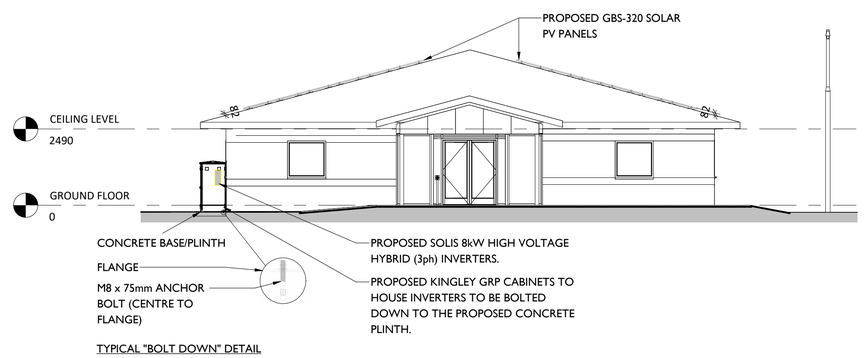
DO NOT SCALE: USE FIGURED DIMENSIONS ONLY: ALL SETTING OUT MUST BE VERIFIED ON SITE AND DISCREPANCIES NOTIFIED TO THE CONTRACT ADMINISTRATOR AS SOON AS POSSIBLE.



1 PROPOSED SOLAR PV LAYOUT
1 : 100

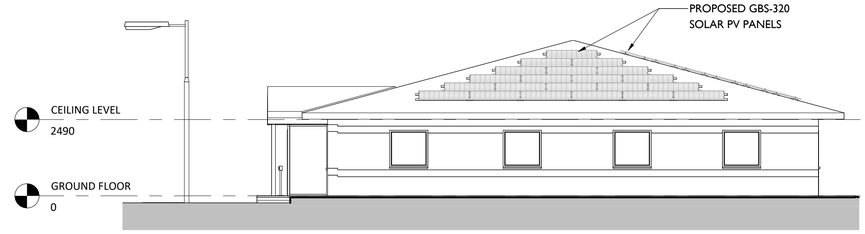


4 PROPOSED EAST ELEVATION
1 : 100

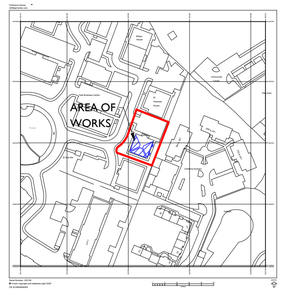


TYPICAL "BOLT DOWN" DETAIL

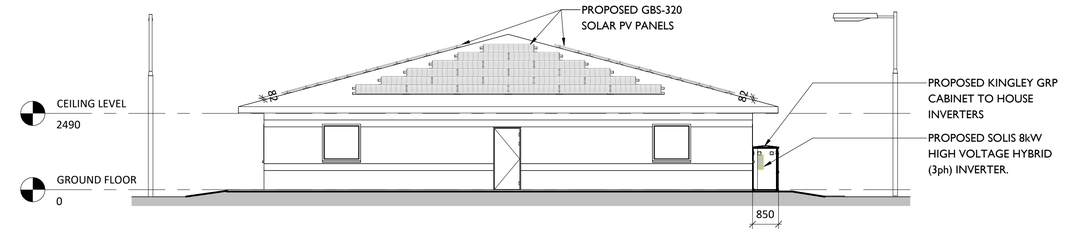
5 PROPOSED NORTH ELEVATION
1 : 100



2 PROPOSED WEST ELEVATION
1 : 100



6 SITE LOCATION PLAN 02
1 : 2500

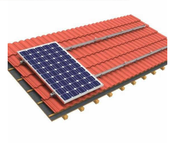


3 PROPOSED SOUTH ELEVATION
1 : 100

PROPOSED INSTALLATION SYSTEM EXAMPLE:



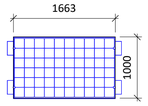




PROPOSED SOLAR PV NOTES FROM SUPPLIER/ INSTALLER:
- A SOLAR PV SYSTEM TO BE LOCATED AT THREE AREA OF THE ROOF OF BUILDING, AS SHOWN
- THE SYSTEM CONSISTS OF No.63 GBS-320 WELSH-MADE SOLAR PANELS
- EXACT POSITION TO BE AGREED ON SITE.

GB-SOL SYSTEM SPECIFICATION AND PERFORMANCE
- CONFIGURATION 63 X GBS-320 PANELS
- INSTALLED SOLAR CAPACITY 20.2kWp ACROSS THE THREE FLAT ROOF AREA
- INVERTERS 1X SOLAR EDGE 17kW 3-PHASE INVERTER
- FORECAST ANNUAL OUTPUT 14.500 kWh pa

PROPOSED FIXING METHOD:
PITCHED ROOF SOLAR PV MOUNTING SYSTEMS
THE PITCHED ROOF MOUNTING SYSTEM PROPOSED DO NOT REQUIRE ROOF PENETRATIONS. THE SOLAR PV WILL BE MOUNTED ON LOW PROFILE RAILS, FITTED TO THE RAFTERS UNDER THE CONCRETE TILES.



NEW PV SOLAR PANEL - EXACT LOCATION & DETAILS TO BE CONFIRMED BY PV SPECIALIST.
PROPOSED TO HAVE No.63 PANELS LOCATED AS PER ROOF IN LANDSCAPE ORIENTATION.

PROPOSED No.2 KINGLEY GRP CABINET TO HOUSE INVERTERS:





CABINET COLOUR (RAL 8017 CHOCOLATE BROWN)

PROPOSED No.2 KINGLEY GRP CABINET WITH A CONCRETE PLINTH TO HOUSE THE INVERTER. COLOUR TO BE BROWN (RAL 8017 CHOCOLATE BROWN).

GRP ENCLOSURE IS CORROSIVE RESISTANT, LOW MAINTENANCE AND DESIGNED TO PROTECT CONTROL PANELS AND SECURITY EQUIPMENT. THE UNIT COMES WITH AN 18mm PLYWOOD BACKBOARD AND 3-WAY LOCKING MECHANISM. THE UNIT IS MANUFACTURED WITH A 4 WAY PITCHED ROOF AS SHOWN.

PROPOSED No.2 SOLIS 8kW HIGH VOLTAGE HYBRID (3ph) INVERTER:



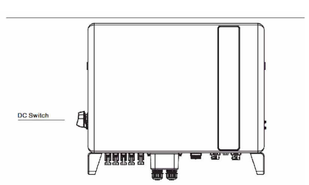


Figure 1.1 Front side view

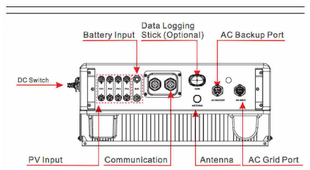


Figure 1.2 Bottom side view

PROPOSED SOLIS 8kW HIGH VOLTAGE HYBRID (3ph) INVERTER DETAILS

REV	DATE	CHECKED BY	DESCRIPTION

CLIENT NAME
WELSH GOVERNMENT

PROJECT NAME
Solar PV Installation at Unit B, Yale Business Park, Ellice Way, Wrexham, LL137YL

DRAWING TITLE
PROPOSED ROOF LAYOUT, SITE PLAN & ELEVATIONS

DRAWING STATUS
PLANNING APPLICATION

mitie
Engineering Services
Caron House, 3 Oak Tree Court, Mulberry Drive, Cardiff Gate Business Park, Cardiff, CF23 8RS.
Tel: (029) 2073 6900 | Fax: (029) 2073 9255 | www.mitie.com

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE @ A1
MB	JH	KB	05.06.26	As indicated

PROJECT No.	DRAWING No.	REV
WG1322	AL03	

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