

 14kw system



Status	Date:	Description:
A	03/07/2017	ISSUED FOR APPROVAL
A1	03/07/2017	ISSUED FOR APPROVAL

Project:
CENTRIC CLOSE
CAMDEN

Title:
SITE PLAN



FOR APPROVAL

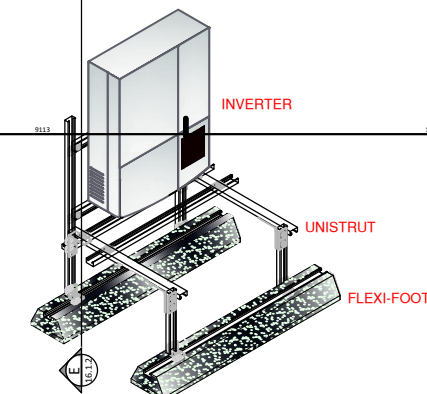
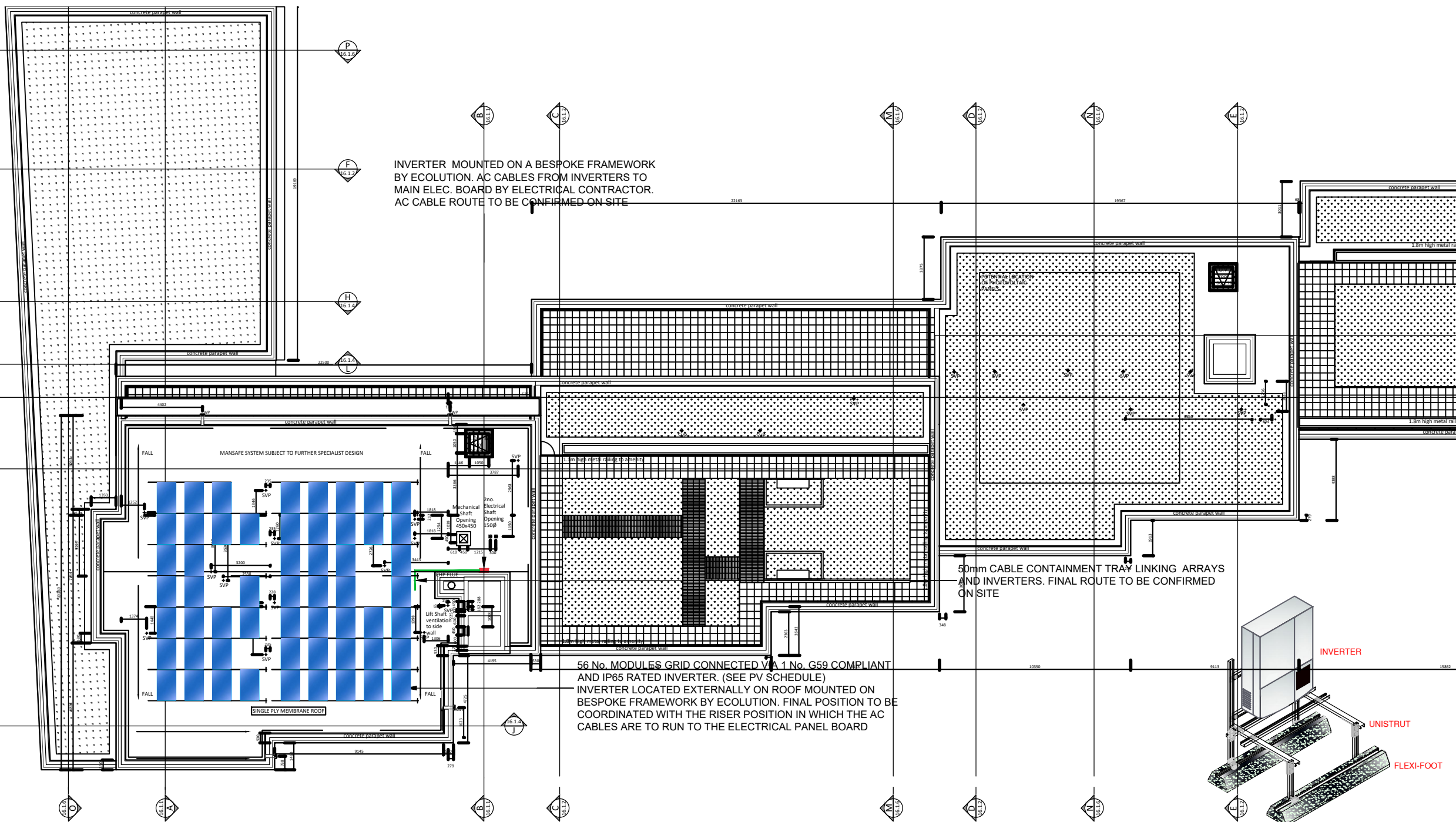
Scale: NTS @ A3	DO NOT SCALE	Project No.: 17124	Drawing Ref.: 17124 PV-000	Date Drawn: 03-07-2017	Drawn by: JA
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NOTES:

- 1.0. FINAL LOCATION OF INVERTER TO BE CONFIRMED.
- 2.0. THE PV SYSTEM MAY REQUIRE A 3 PHASE SUPPLY, REFER TO ELECTRICAL SCHEMATIC FOR CONFIRMATION
- 3.0. CABLES TO RUN FROM ROOF SPACE AND PENETRATE ROOF AT POINT DETERMINED ON SITE. PENETRATION THROUGH ROOF BY OTHERS.
- 4.0. MAXIMUM DC CABLE LENGTH IS FROM FINAL MODULE IN STRING TO INVERTER.
- 5.0. ALL CABLE DISTANCES TO BE VERIFIED BY SITE VISIT PRIOR TO WORK ON SITE COMMENCING
- 6.0. THE POSITION OF PV MODULES SHOWN ON ROOF IS APPROXIMATE. THE EXACT LOCATION TO BE MEASURED & DETERMINED ON SITE ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- 7.0. ALL ROOF AND EXTERNAL WALL PENETRATIONS (e.g. FOR PV MODULES, CABLES OR BRACKETRY) WILL BE DURABLY SEALED USING PURPOSE-MADE PRODUCTS CAPABLE OF ACCOMMODATING THE MOVEMENT AND TEMPERATURES TO WHICH THEY MAY BE SUBJECTED.
- 8.0. ELECTRICAL CONTRACTOR TO CONFIRM ELECTRICAL INSTALLATION IS SUITABLE TO RECEIVE ELECTRICITY GENERATED BY THE PV INSTALLATION AS PER ECOLUTION DESIGN.
- 9.0. STRUCTURAL ENGINEER TO ENSURE ROOF STRUCTURE IS CAPABLE OF WITHSTANDING THE LOADS (STATIC & WIND) THAT WILL BE IMPOSED BY THE PV MODULES AND THEIR MOUNTING ARRANGEMENT AS PER OUR DESIGN.
- 10.0 THE FINAL POSITION OF THE PV MODULES MAY BE AFFECTED BY THE SVP & OTHER ROOF TOP TERMINATION POINTS. PLEASE CHECK THE LOCATION OF THE SVP'S & OTHER ROOF TOP TERMINATIONS SHOWN ON THE LAYOUT DRAWINGS AND THEIR ACCURACY AS IT MAY AFFECT THE PV SYSTEM SIZE AND EFFICIENCY IF MODULES HAVE TO BE REMOVED OR RELOCATED.
- 11.0 THE FINAL POSITION OF THE PV MODULES MAY BE AFFECTED BY THE MAN SAFE SYSTEM IF ONE IS PRESENT. PLEASE CHECK THE LOCATION OF THE MAN SAFE IF ONE IS INDICATED ON THE LAYOUT DRAWINGS AND THE ACCURACY OF ITS POSITION AS IT MAY AFFECT THE PV SYSTEM SIZE AND EFFICIENCY IF MODULES HAVE TO BE REMOVED OR RELOCATED.
- 12.0. TO BE READ IN CONJUNCTION WITH ELECTRICAL SCHEMATIC.
- 13.0. SEE PV-000 FOR SITE PLAN

PV MODULE SCHEDULE ~ 14kW

MOUNTING SYSTEM	FLAT ROOF
INVERTER ~ 15KW	2 x 14 - MPPT 1 2 x 14 - MPPT 2
MODULE TYPE & OUTPUT	POLYCRYSTALLINE (250W)
MODULE DIMENSIONS (mm)	1649 x 991 x 40mm
MODULES TO DC ISOLATOR (MAX.)	25m of 4mm ² (MAX)
DC ISOLATOR TO INVERTER (MAX.)	1m of 4mm ²
INVERTER TO MCB BOARD (MAX.)	25m of 4mm ²
TOTAL No. OF MODULES	56
Max. Amps per AC Phase	20.2A
SYSTEM SIZE	14kWp



INVERTER DETAILS

Height = 650mm
Width = 516mm
Depth = 203mm
IP Rating = IP65

6 - Complete protection against contact, Protection from infiltration of dust
5 - Protection from water projected from a nozzle



Status	Date:	Description:
A	03/07/2017	ISSUED FOR APPROVAL
A1	06/07/2017	ISSUED FOR APPROVAL
A2	28/09/2017	ISSUED FOR APPROVAL

Project: **CENTRCI CLOSE CAMDEN**

Title: **PHOTOVOLTAIC ROOF LAYOUT ~ 14kWp**



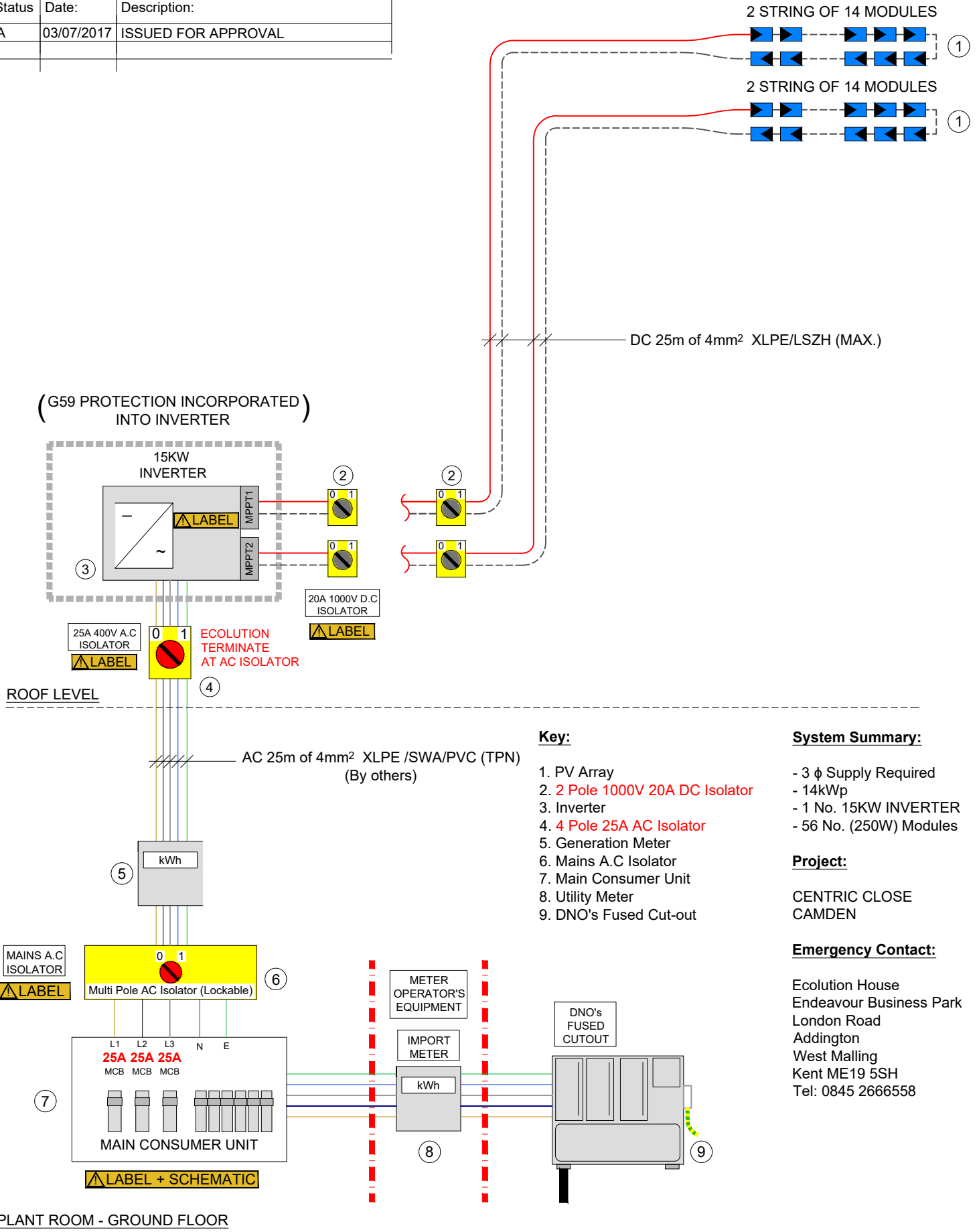
FOR APPROVAL

Scale: 1:250 @ A3 DO NOT SCALE

Project No.: 17124 Drawing Ref.: 17124 PV-001 Date Drawn: 03-07-2017 Drawn by: JA

FOR APPROVAL

Status	Date:	Description:
A	03/07/2017	ISSUED FOR APPROVAL



Key:

1. PV Array
2. 2 Pole 1000V 20A DC Isolator
3. Inverter
4. 4 Pole 25A AC Isolator
5. Generation Meter
6. Mains A.C Isolator
7. Main Consumer Unit
8. Utility Meter
9. DNO's Fused Cut-out

System Summary:

- 3 ϕ Supply Required
- 14kWp
- 1 No. 15KW INVERTER
- 56 No. (250W) Modules

Project:

CENTRIC CLOSE
CAMDEN

Emergency Contact:

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Title: PV Electrical Schematic	
Drawing Ref.: 17124 PVES-001	
Date Drawn: 03/07/2017	Drawn by: JA

