

Notes:

39 x 400wp Solar
Monocrystalline
installed power 15.6Kwp
PV array size 76.05m²
Total weight 987kg
at 12.98Kg/M² PV Array is
an on roof design and
held in position with an
under tile bracket and
aluminum mounting rail,
each bracket will need
to be weathered by the
main roofing contractor
ample energy will supply 1
x flashing for each
bracket. this will comprise
80 flashing.

Notes:

PV inverter electrical
equipment installed on 1 x
class C MDF 18mm
unpainted board supplied
by Ample Energy.
mounted in top floor
cupboard All Ac supply by
main electrical contractor
will require 5 core 6csw
from the main fuse board
to location of the PV
inverter AC / Generation
meter combined unit
4 panels fitted with
optimiser due to inverter
tacking only has 4
connection.

Drawing Title:

PV Roofing Panel Layout

Issue	Drawing By	Checked By	Date
1	PO		16/07/23



Client: CES St Albans

Project: The Hall Senior School

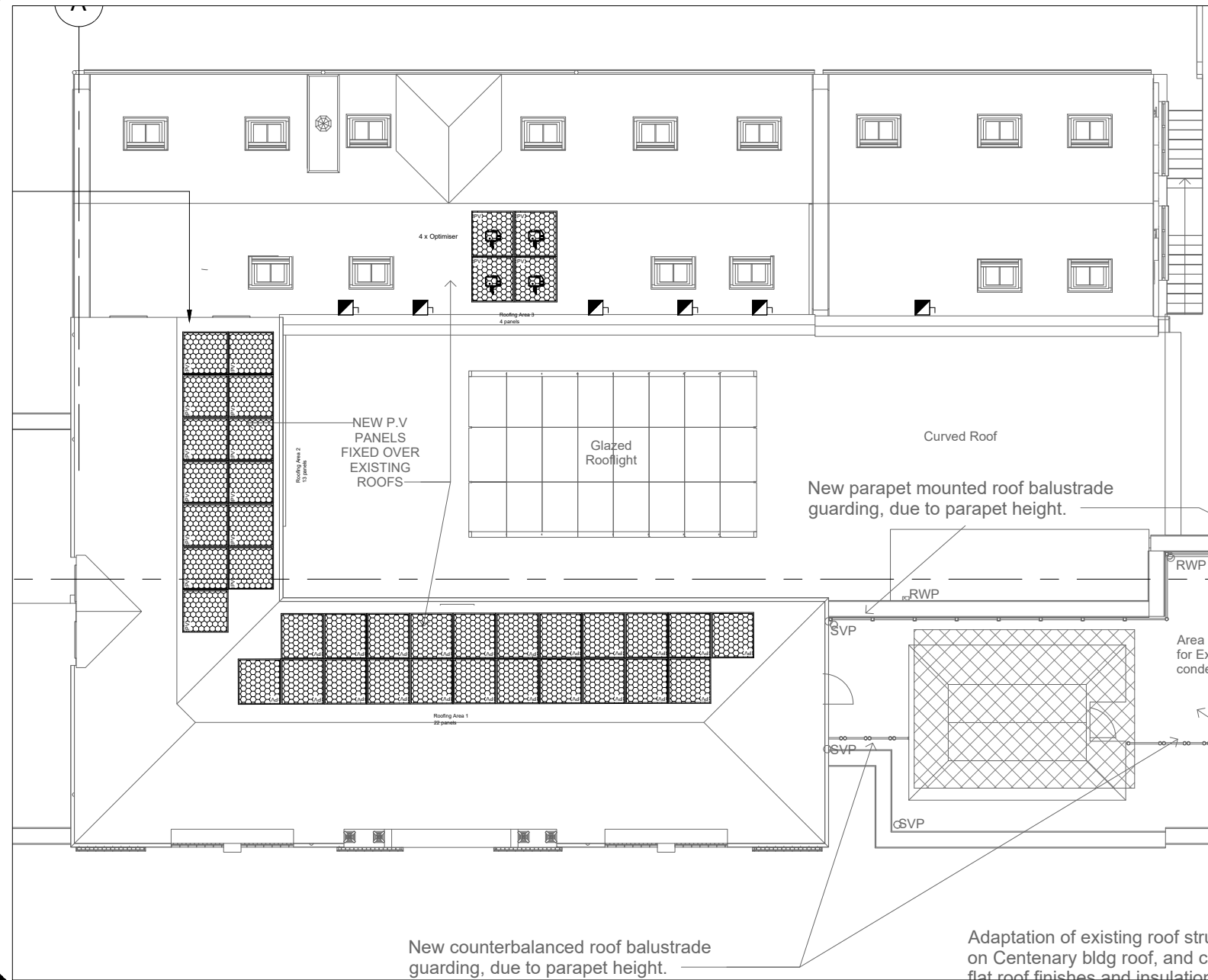
PV36237-RD

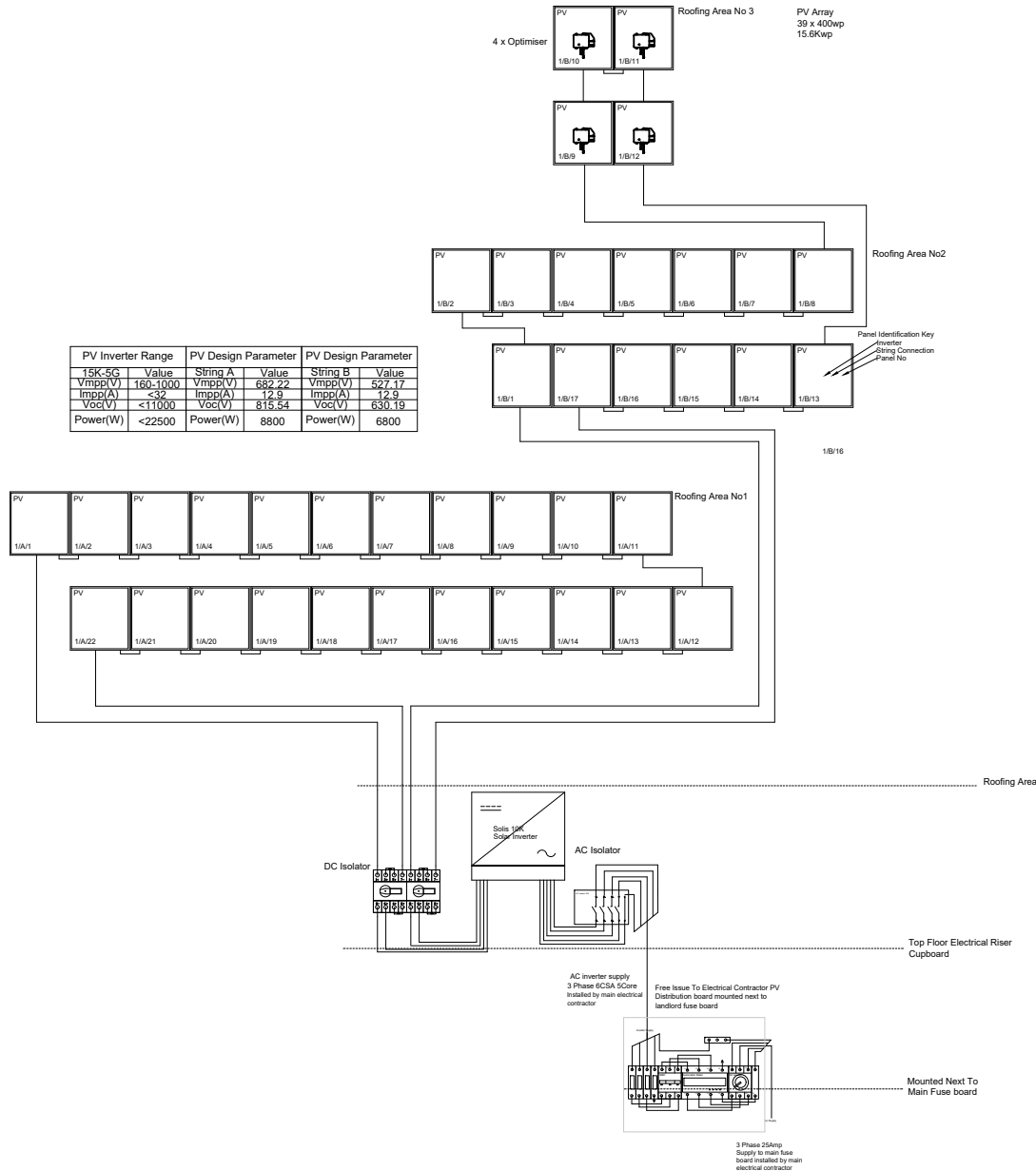
17/04/23

NTS

Drawing Sheet No

1 of 3





PV Inverter Range	PV Design Parameter	PV Design Parameter
15K-55	Value	String A Value
Vmpp(V)	160-1000	682.22
Imp(A)	<32	12.9
Voc(V)	<11000	815.54
Power(W)	<22500	8800

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Notes:

PV inverter electrical equipment installed on 1 x class C MDF 18mm unpainted board supplied by Ample Energy. mounted in top floor cupboard All Ac supply by main electrical contractor will require 5 core 6csa from the main fuse board to location of the PV inverter AC / Generation meter combined unit 4 panels fitted with optimiser due to inverter tacking only has 4 connection.

Drawing Title:
PV Wiring Diagram

Issue	Drawing By	Checked By	Date
1	PO		20/07/23

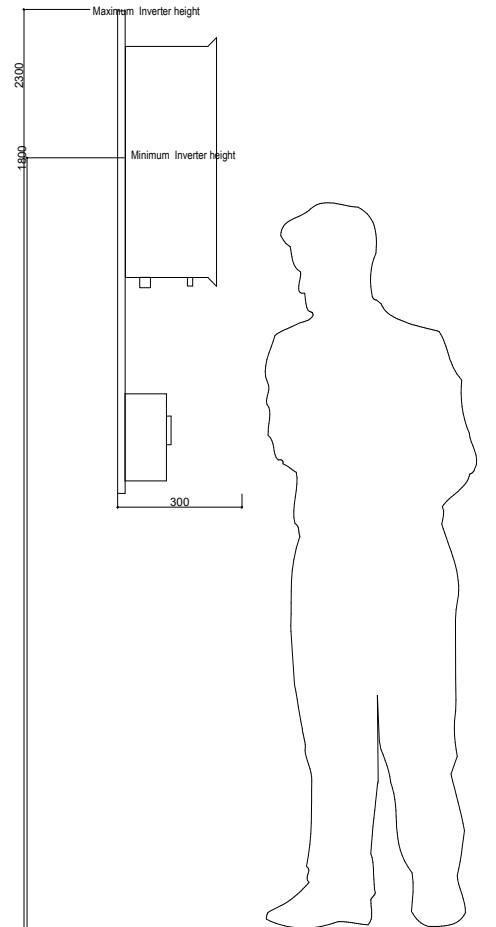
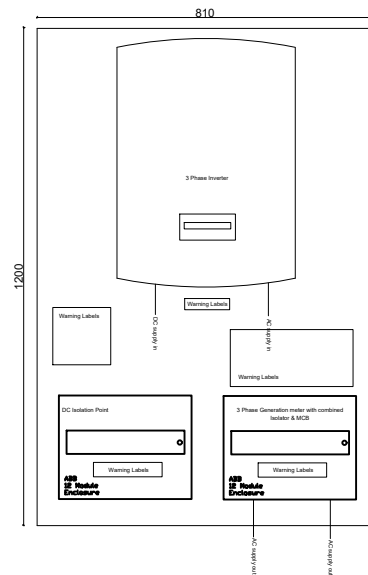
Client: CES St Albans
Project: The Hall Senior School

Project Ref No:
PV36237-WD

Drawing Date:
17/04/23

Drawing Sheet No:
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NTS



Notes:

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Drawing Title:

PV Inverter Backboard

Issue	Drawing By	Checked By	Date
1	PO		29/07/23



Client: CES St Albans

Project: The Hall Senior School

Project Ref No:
PV36237-BB
Issue Date:
17/04/23
NTS

Drawing Sheet No:
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