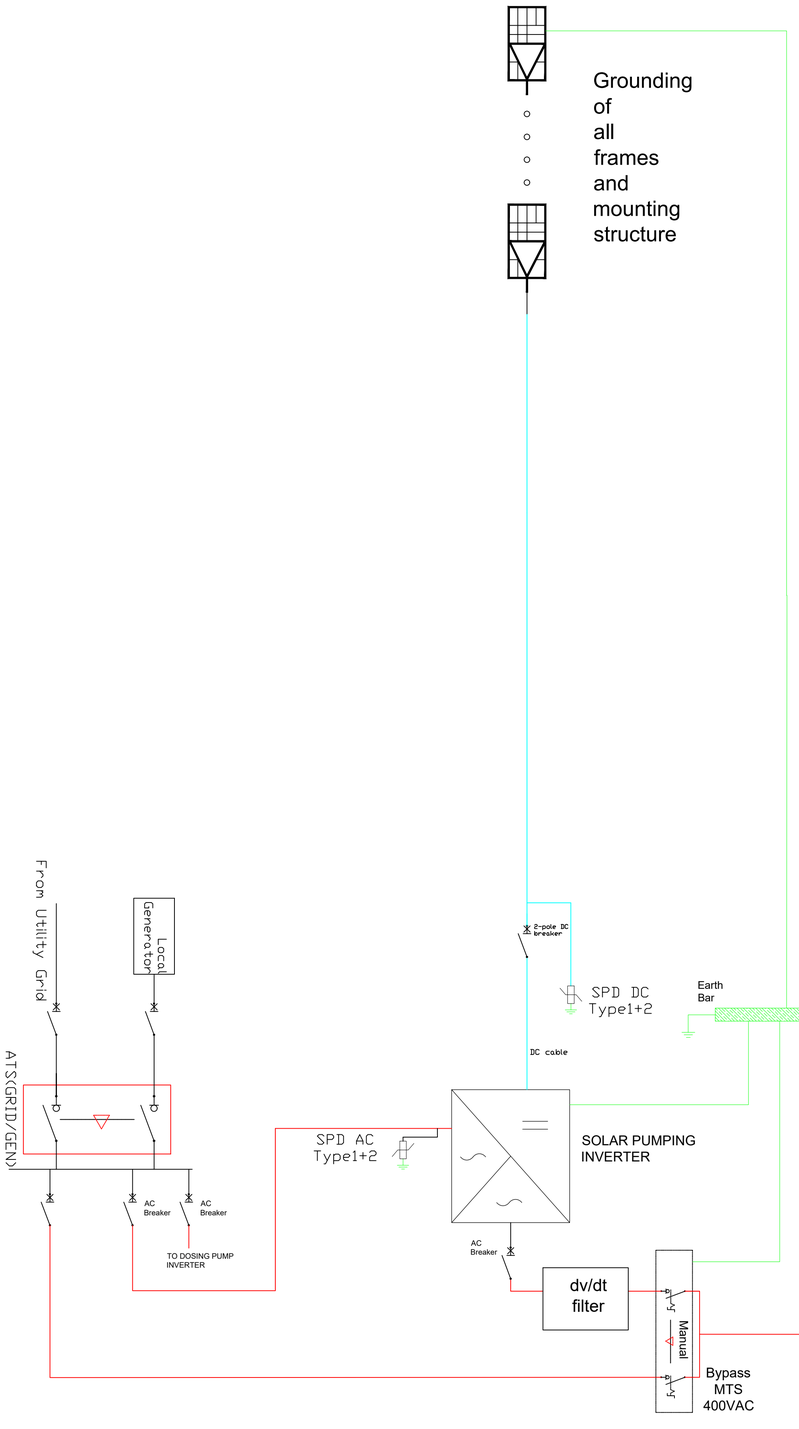
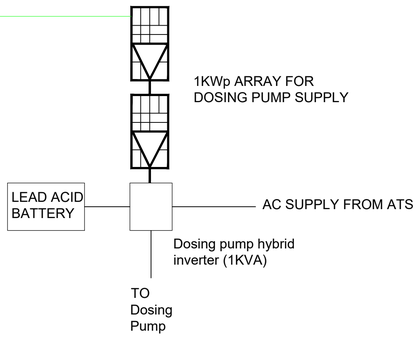
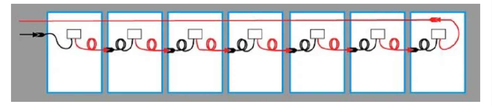
TOTAL PV GENERATOR DC CAPACITY: 24.2 kWp



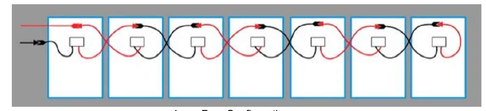


	PV Panel		Change Over Switch
	DC Fuse, string protection 1000VDC,		AC Lines
	Type 1+2 1000VDC SPD		DC Lines
	DC/AC Circuit Breaker		Earthing / Grounding

Typical DC Loop Connection for each string
Note : Contractor to use Leap frog wiring configuration where applicable.



Daisy Chain Configuration



Leap Frog Configuration

PV LAYOUT

NOTES:

1. Contractor to use leap frog configuration for DC wiring where applicable.
2. Contractor to ensure earth system value is below 5 ohms
3. All drawings to be read in conjunction with specification, BOQ and tender documents.
4. Contractor to submit detailed shop drawings for all system components including metal structure, equipment room, wind load calculation and all necessary documentation to the satisfaction of the engineer.
5. Contractor to submit PV performance simulation on PVsyst Software using the approved material.
6. SLD and PV layout is for information purposes only. Contractor to develop their own detailed drawings based on their material submittal and site visit.

APPROVED BY:
DATE:

REV	DESCRIPTION OF REVISION	DRAWN	DATE
	Tender Document sent for approval		

DRAWN BY:	CHECKED BY:	APPROVED BY:
G.D.		
DATE: 09.02.2024	DATE:	DATE:

PROJECT NAME:

Halba PV Pumping Station

CLIENT:

Funded By:

DESIGN CONSULTANT: ENERGY VENTURES www.energyventureslb.com

PCPM www.pcpm.org.pl

DWG.TITLE:

SLD & PV LAYOUT

DATE :	SCALE :	REVISION:
9.02.2024	Not to Scale AT A1 SIZE	00
PROJECT CODE:	DWG NO.	