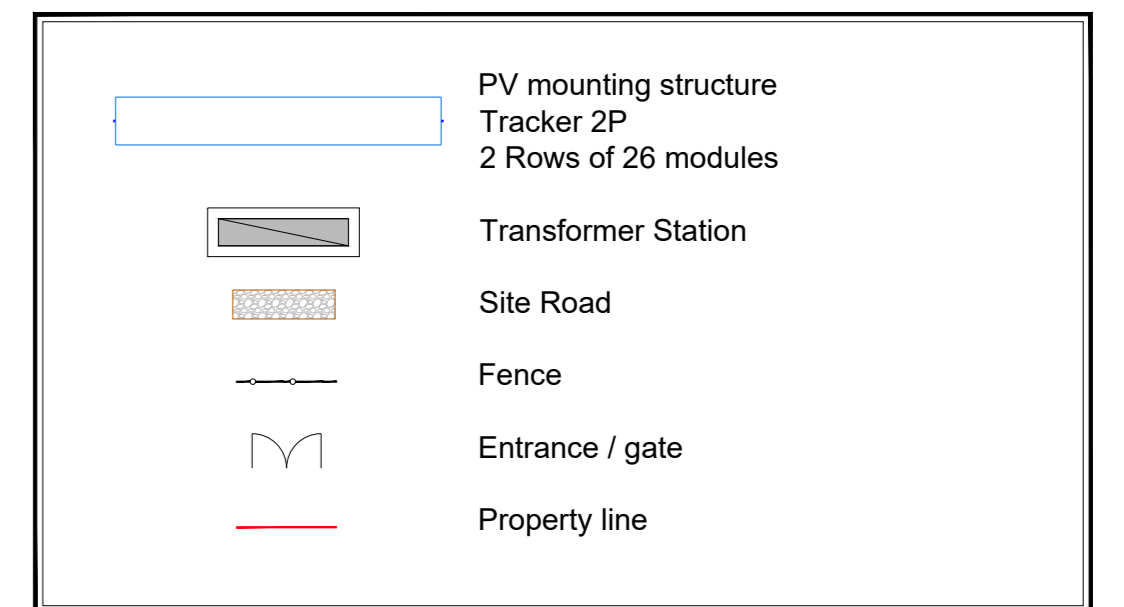


STRUCTURE DETAIL



LEGEND

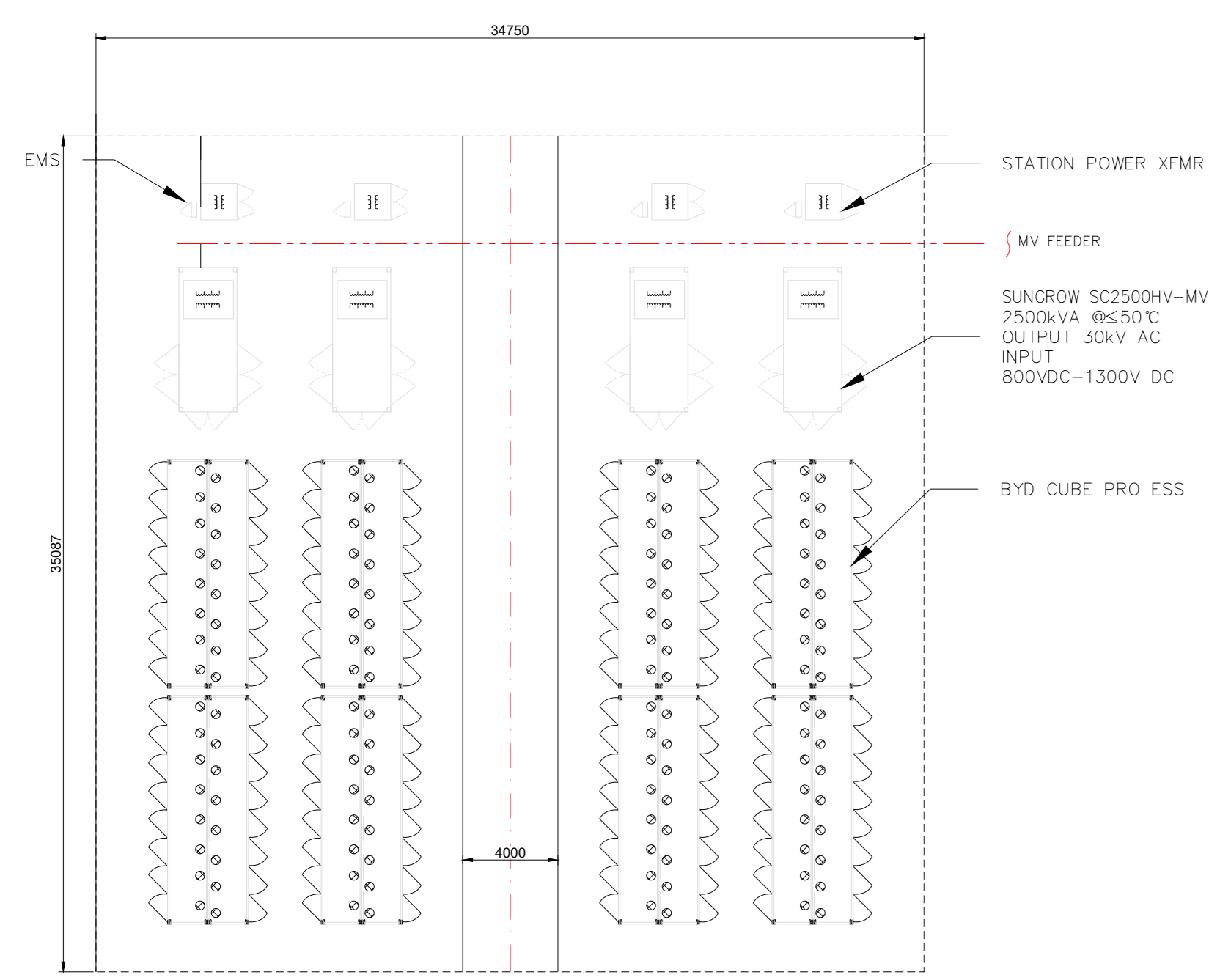
FOOTPRINT	
SITE	200 Ha
EIA	180 Ha
PLANT AREA (FENCED)	178 Ha
LAYDOWN AREA (PERMANENT)	145 m ²
BESS AREA	1.5 Ha
CONTROL ROOM	100 m ²
SECURITY ROOM	15 m ²
SUBSTATION	8500 m ²

SCENARIO 4

Delta 104 426.4 kWp	
ADDRESS	Delta Bloemhof
	COUNTRY: South Africa
LOCATION	-27.637 25.493
HEIGHT A.S.L	1235 m
INSTALLED POWER	104.426.4 kWp
PV-PANEL	CS7L-600MS
AMOUNT	174044
DIMENSIONS	2173 X 1305 X 35 mm
ORIENTATION	0
TILT ANGLE	+41°/-41°
FOUNDATION	TBD
ADJUSTMENT OF PANELS	2 rows x structure
OVERALL HEIGHT OF RACK	... m
GAP BETWEEN BOTTOM OF PANEL AND GROUND SURFACE	0.5m
ROW PITCH	12m
ROW-TO-ROW DISTANCE	...m
SHADING LIMIT ANGLE	...
INVERTER	Huawei string inverters
STRING INVERTERS	480
TRANSFER STATION	N.12 x 6MW+ N.1x2 MW
STRINGS	6694
PV-RACKS 1 STRING	3347
PV-RACKS 2 STRINGS	3347
FENCE	5780 m

- COMMENTS
- Constraint on the tilt angle in order to respect the maximum eight used for EIA.

ITEM	QUANTITY	CONCRETE PAD AREA EACH (M ²)	BOL CONCRETE PAD AREA TOTAL (M ²)
BYD CUBE PRO BATTERY ENCLOSURE	16	175.7000	2811
SUNROW SC2500HV	4	159	636
30kVA STATION POWER TRANSFORMER	4	30	120
EMS STATION	4	INCLUDED WITH STATION POWER XMFR	INCLUDED WITH STATION POWER XMFR
DC USABLE CAPACITY	41.05MWh	N/A	N/A



STORAGE SYSTEM DETAIL - TYPICAL SUBUNIT

LAYOUT

04	ENG	PC	JG	Added setback on MV overhead line	01.12.2020
03	ENG	PC	JG	Added BESS size	22.10.2020
02	ENG	PC	JG	Modified DC power and BESS size	19.10.2020
01	ENG	PC	JG	Added BESS	01.10.2020
R00	ENG	PC	AL	First Issue	29.01.2020

xxxx- PV Plant Layout	xxxx	PV Plant Layout	SCALE: ---
PROJECT NAME & ADDRESS DELTA SOUTH AFRICA	APPROVAL STAMP	FORMAT DIN A1	SHEET 1/1
CUSTOMER CANADIAN SOLAR CONSTRUCTION	STATUS PRELIMINARY		

