

13m ASSET
PROTECTION ZONE
BATTERY UNITS
INVERTER STATION
HV SWITCHBOARD
PCC
40kL WATER TANK
SITE AMENITY
SITE ENTRY
CARPARK SPACE



SITE PLAN (1:1500)

SITE SPECIFICATIONS		
FENCE	1612	m
SITE AREA WITHIN FENCE	37	Acre
INTERNAL ROAD	600	m
SITE LAY DOWN	1050	m ²
PARKING	20	2.4mx5.4m

REVISION						NUMBER	TITLE
No	DATE	DRN	CHK	ENG	Q.A.		
C	21/10/24	MG	ACE	MG	ACE	NSW167	AJUST APZ WIDTH
B	08/05/24	MG	ACE	MG	ACE	NSW167	ISSUED FOR INFORMATION
A	30/04/24	MG	ACE	MG	ACE	NSW167	ISSUED FOR INFORMATION



1000 BURKES CREEK ROAD, THE ROCK, NSW 2655 4.95 MVA PV EXPORT & BESS SYSTEM SITE PLAN							
DATE:08/05/24	DRN: MG	CHK: ACE	ENG: MG	Q.A: ACE	SCALE: 1:1500	PROJ No NSW167	REV C



NOTES

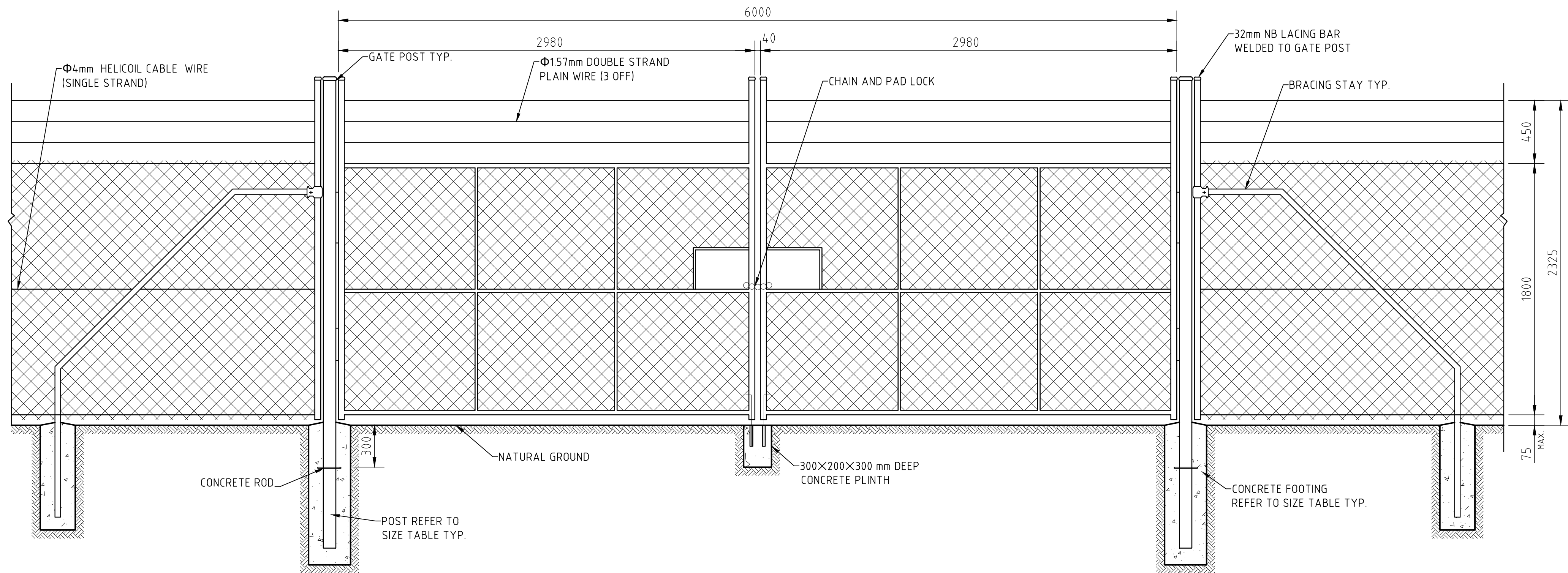
- ACTUAL DIMENSIONS AND CLEARANCES MAY VARY SUBJECT TO SITE CONDITIONS.
- DIMENSIONS OF ELECTRICAL EQUIPMENT ARE INDICATIVE ONLY. ACTUAL DIMENSIONS TO BE CONFIRMED.
- EXISTING ESSENTIAL ENERGY 22kV POLE IS FOR ILLUSTRATION ONLY. ACTUAL POSITION IS SUBJECT TO THE ACTUAL MEASUREMENT ON SITE.
- NEW POLES NEAR THE POC MAY BE INSTALLED TO ALLOW UNDERGROUND CABLE AND OTHER ELECTRICAL EQUIPMENT TO BE MOUNTED AND CONNECT TO ESSENTIAL ENERGY NETWORK.
- SITE STORAGE AND AMENITY FACILITIES TO BE ON SITE ONLY DURING CONSTRUCTION PHASE. NO PERMANENT BUILDINGS TO BE KEPT ON SITE AFTER CONSTRUCTION COMPLETED.

LEGEND

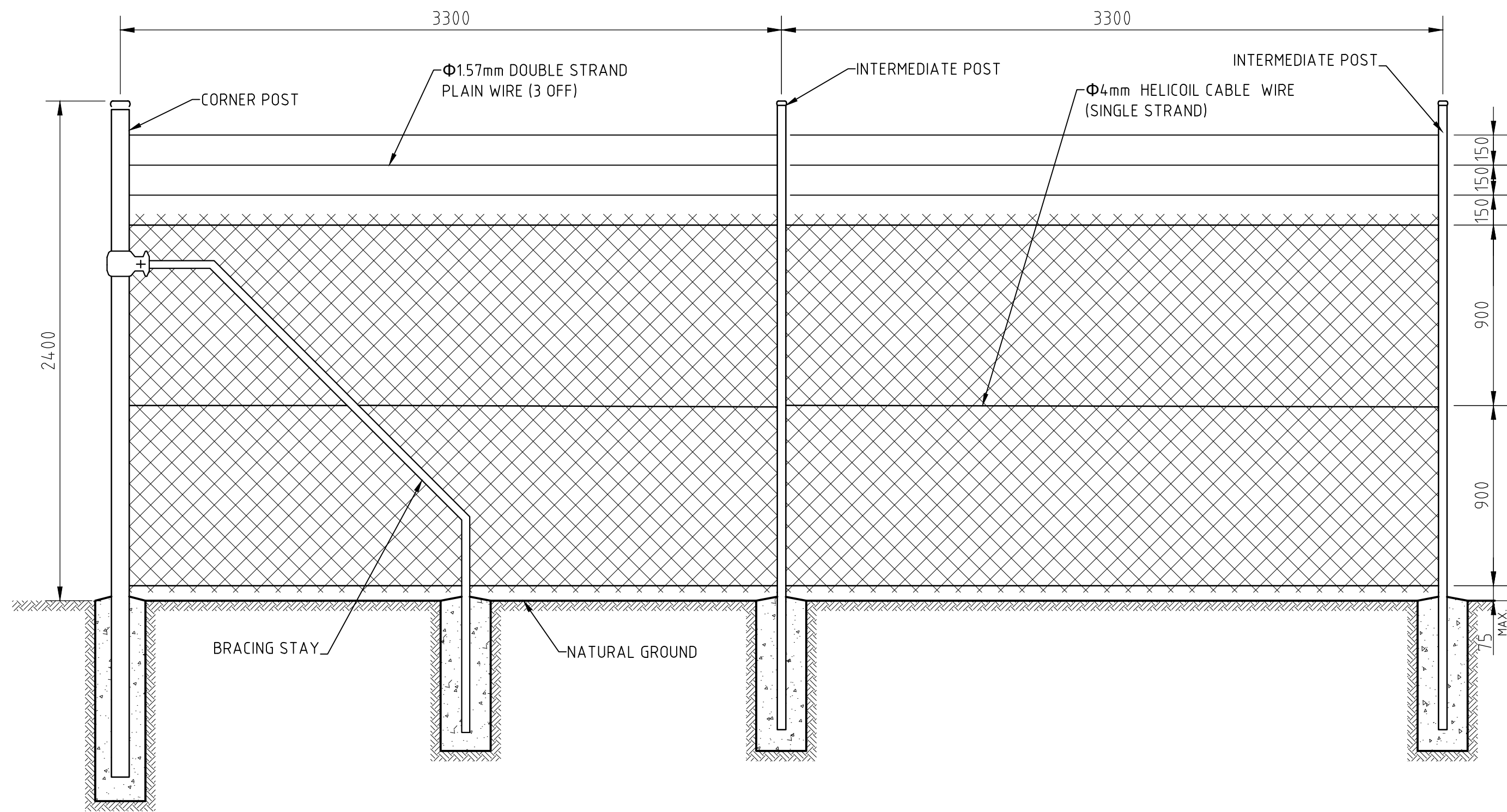
- PROPOSED PV ARRAY
- SECURITY FENCE
- ESSENTIAL ENERGY 22kV DISTRIBUTION LINES
- CUSTOMER OWNED UNDERGROUND CABLES

SYSTEM SPECIFICATIONS				
MODULE CAPACITY	610	W	MODULE MODEL	LR5-72HGD-610M
INVERTER MODEL	SG4950-HV-MV	-	NO. OF INVERTERS	1
DC CAPACITY	6.52	MW	NO. OF STRINGS	396
NO. OF MODULES PER STRING	27	-	TOTAL MODULES	10692
BATTERY CAPACITY	11	MWh	BATTERY MODEL	ST-2752UX
NO. OF BATTERY	4	-	LOCAL CONTROLLER	LC-1000

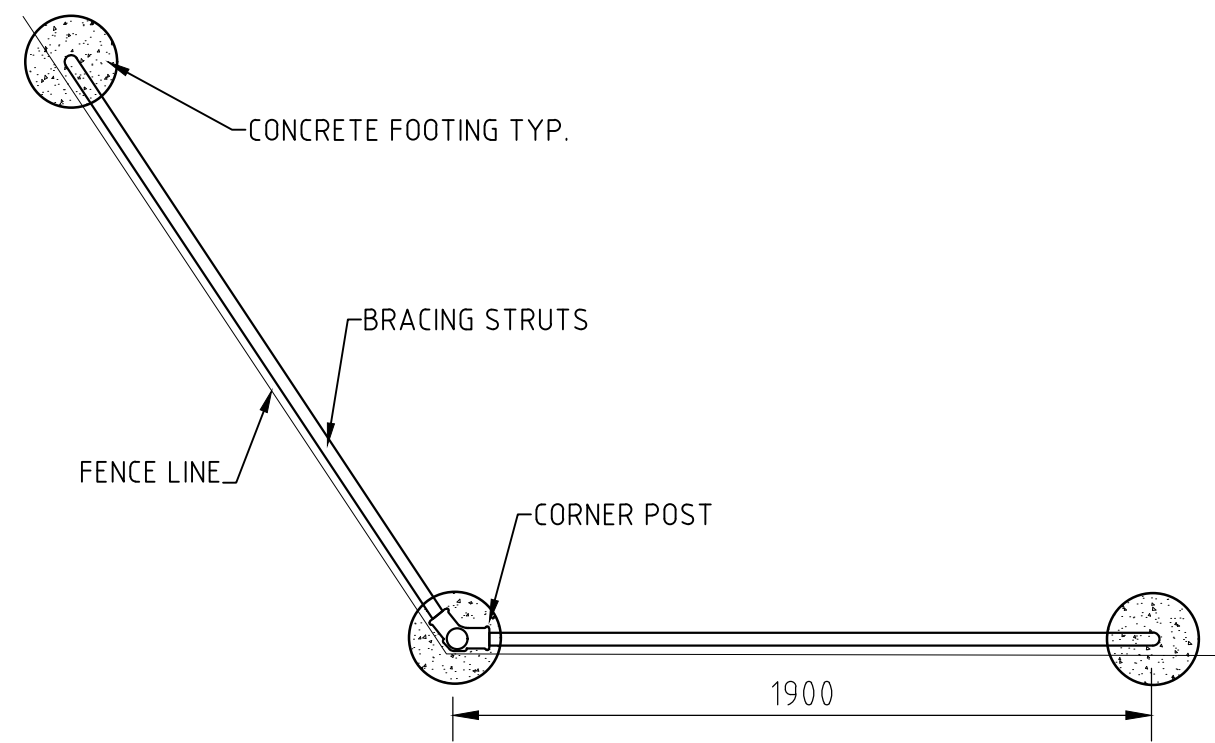
FOR INFORMATION



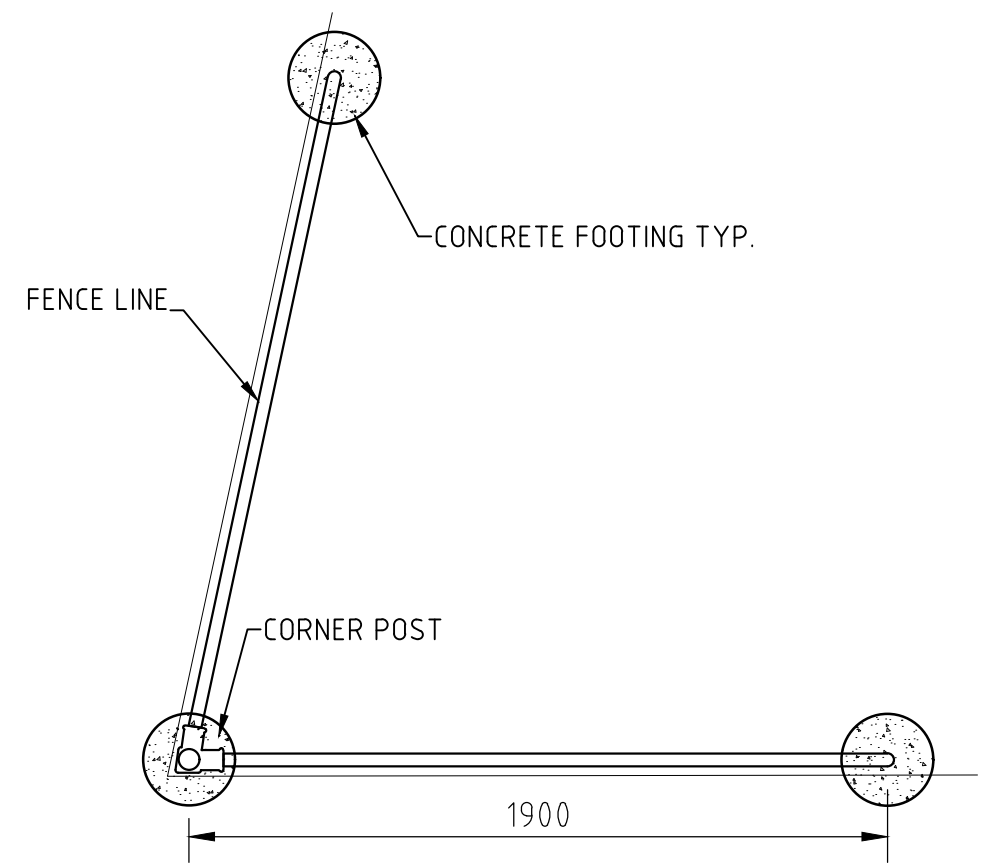
CHAIN LINK FABRIC FENCE AND OPENING DOUBLE GATE - 6000 GATE
SCALE 1:20



TYPICAL CHAIN MESH FENCE PANEL - 3300 DISTANCE
SCALE 1:20



CORNER POST FOOTING PLAN (>90)
SCALE 1:20



CORNER POST FOOTING PLAN (<90)
SCALE 1:20

NOTES

1. CHAIN LINK FABRIC TO BE CLASS 2 TYPE 1-R-L/B-T RAILED LESS 3 BARBED TOP SECURITY FENCING AS PER AS1725.1.
2. CHAIN LINK FABRIC TO BE ZINC/ALUM-ALLOY 2.50mm (LIGHT DUTY) WIRE WITH 50MM NOMINAL PITCH MESH (OR SIMILAR APPROVED)
3. SUPPORT CABLE TO BE 4mm SINGLE STRAND WITH ZINC/ALUM-ALLOY COATING (OR SIMILAR APPROVED)
4. LACING WIRE TO BE 2mm WITH ZINC/ALUM-ALLOY COATING (OR SIMILAR APPROVED)
5. CONCRETE FOOTING SHALL BE IN ACCORDANCE WITH AS3600, AND NOT LESS THAN THE MINIMUM SIZE SPECIFIED IN THIS DRAWING.
6. CONCRETE SHALL HAVE A CHARACTERISTIC COMPRESSIVE STRENGTH AT 28 DAYS OF 25MPA
7. GATES SHALL BE DESIGNED FOR BOTH INWARDS AND OUTWARDS OPENING
8. GATE DETAILS PROVIDED ON THIS DRAWING ARE TO BE USED AS ALTERNATIVE TO THE DRAWINGS PLC FENCING PROVIDE.
9. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AS1725.1 AND PLC FENCING DRAWING AND DESIGN
10. ALL DIMENSIONS MENTIONED IN THIS DRAWING ARE IN mm, OR OTHERWISE SPECIFIED.

POST				FOOTING SIZE	
TYPE	DN	O.D	WALL	DIA	DEPTH
CORNER	DN 50	60.3	3.6	250	750
INTERMEDIATE	DN 40	48.3	2.9	250	600
BRACING STAY	DN 32	42.4	2.6	250	600

DOUBLE ACCESS GATES					
WIDTH OF GATE OPENING	GATE POST			FOOTING	
	DN	O.D	WALL	DIA	DEPTH
6000	DN 80	88.9	4	300	1000

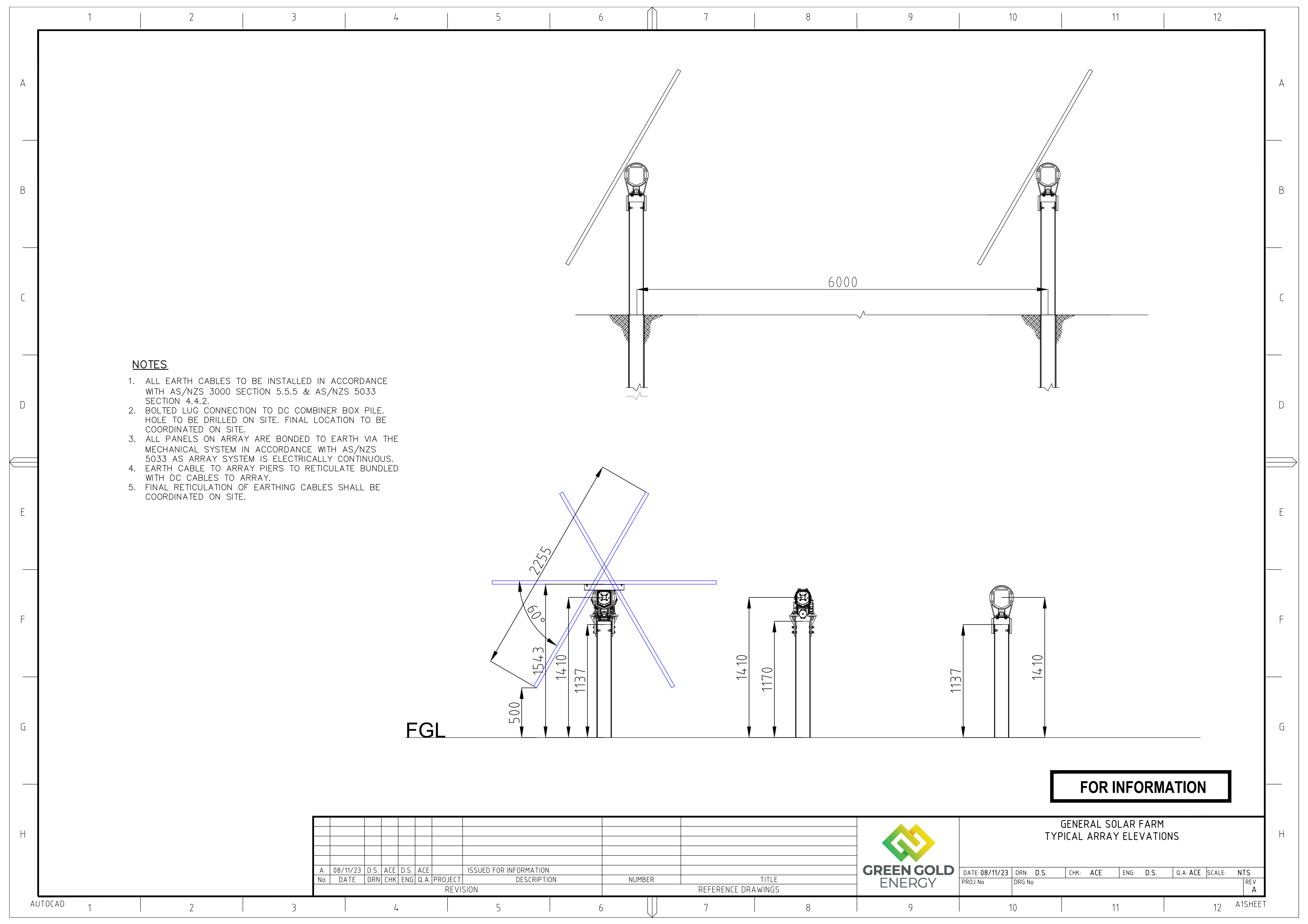
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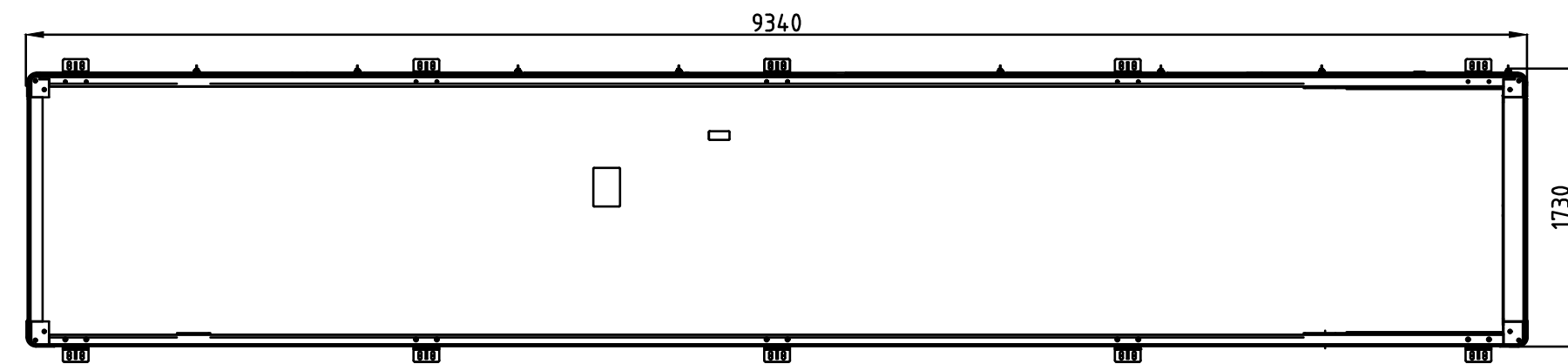
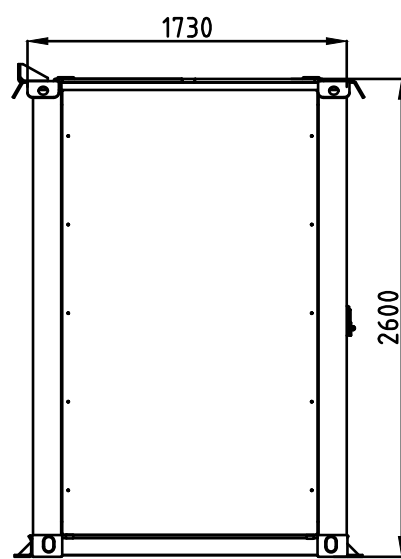
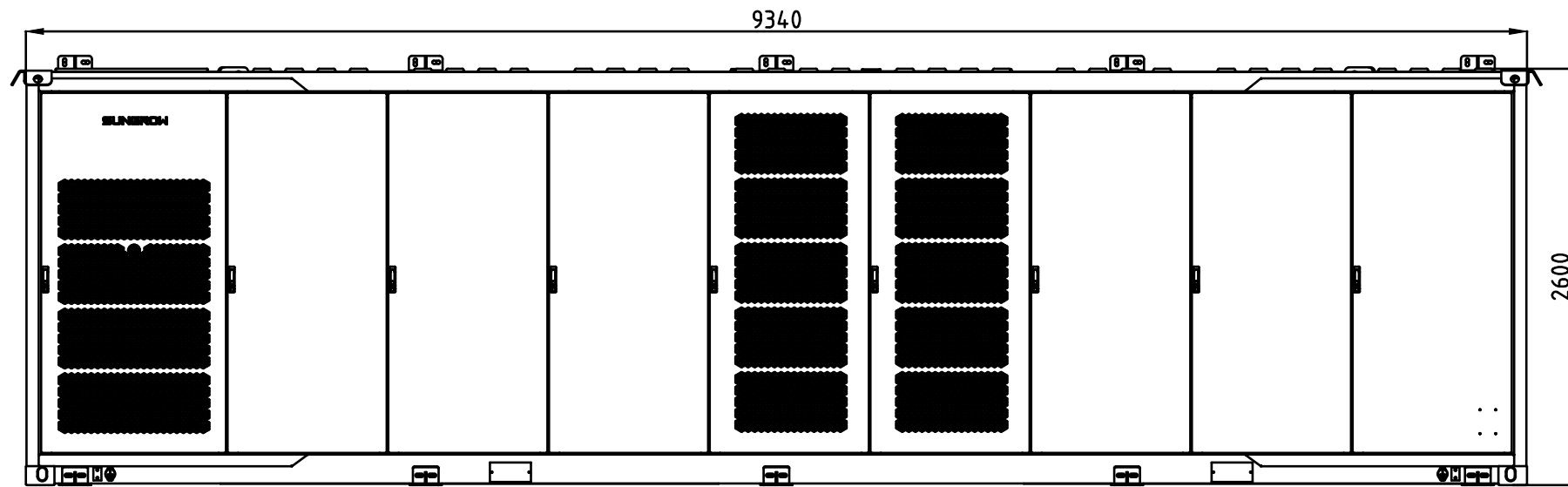
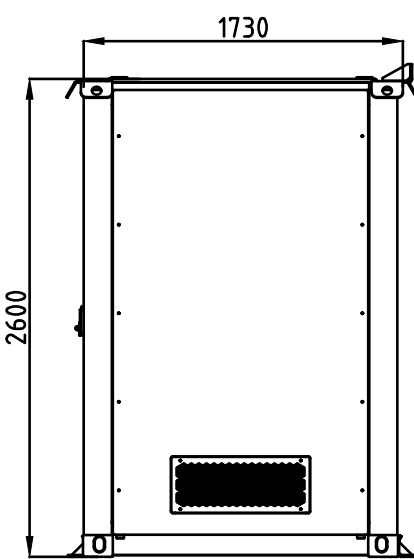
No	DATE	DES	DRN	APP	PROJECT	DESCRIPTION	NUMBER	TITLE
B	27/07/23	ACE	M.G.	A.W.		BARBED WIRE FREE FENCE		
A	11/07/23	ACE	M.G.	A.W.		ISSUED FOR REVIEW		
REVISION							REFERENCE DRAWINGS	



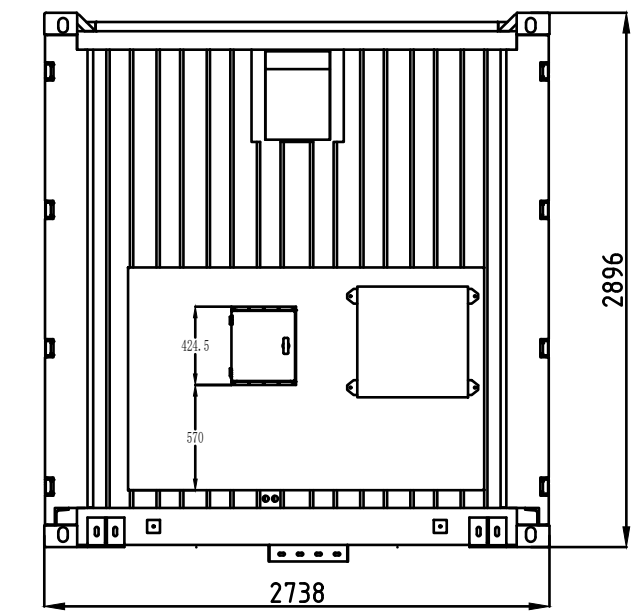
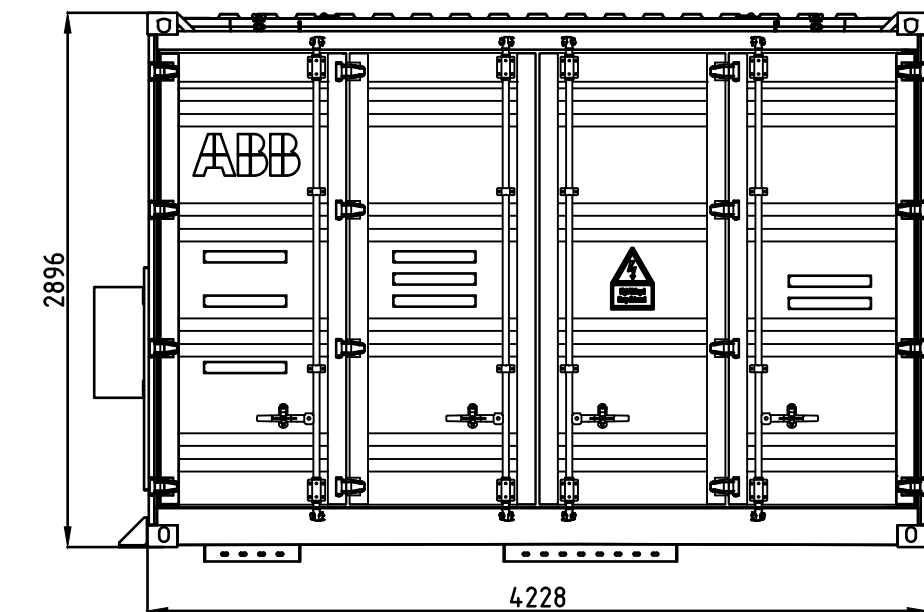
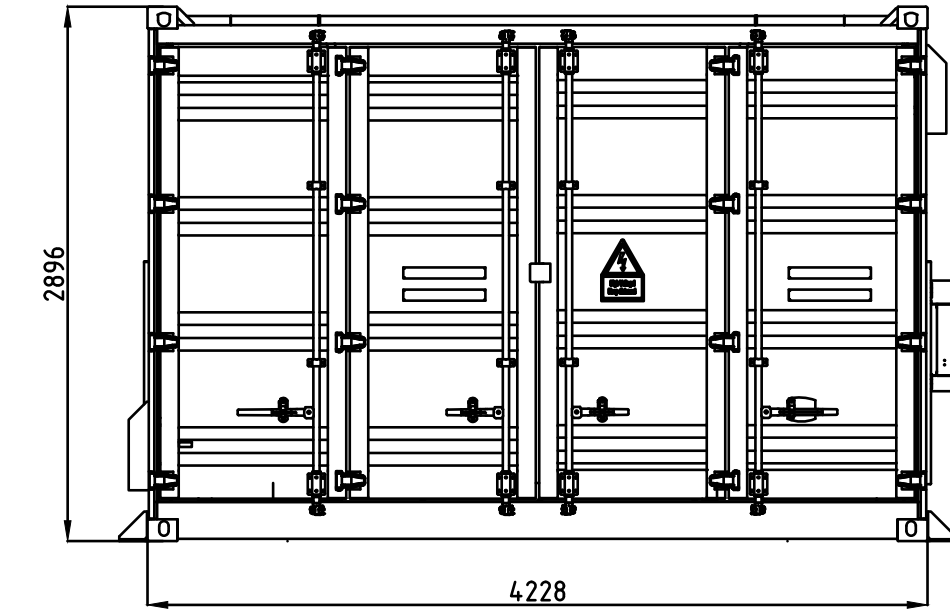
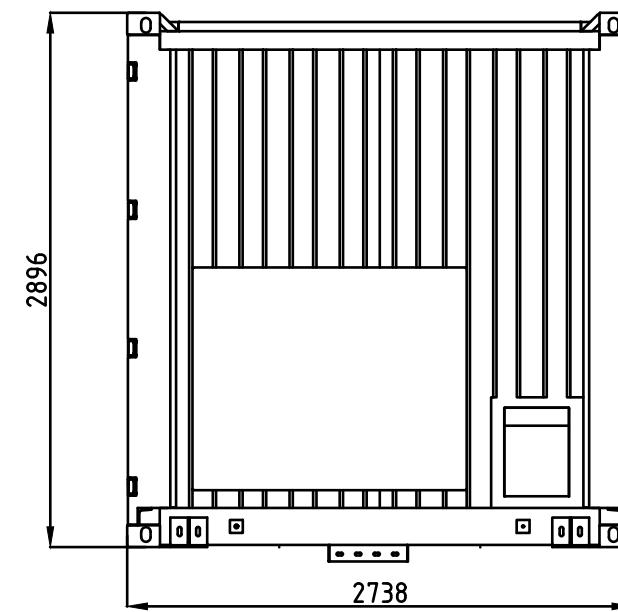
GREEN GOLD ENERGY
4.95 MVA PV & BESS EXPORT SYSTEM
CHAIN WIRE MESH SECURITY FENCE & GATE

DATE: 07/08/23	DES: ACE	DRN: M.G.	APP: A.W.	SCALE: NTS
PROJ No	DRG No			REV B

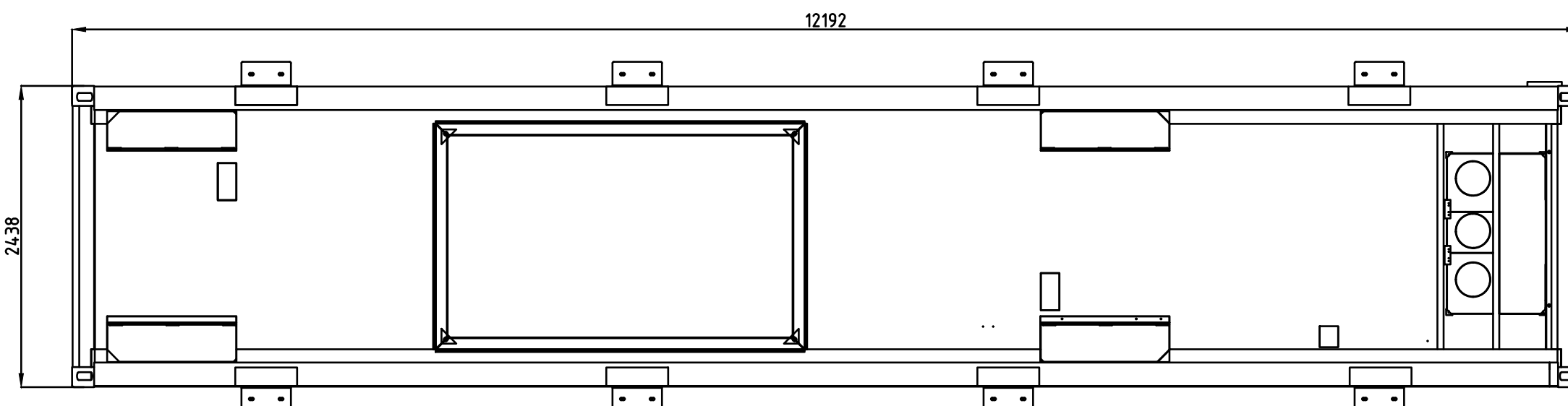
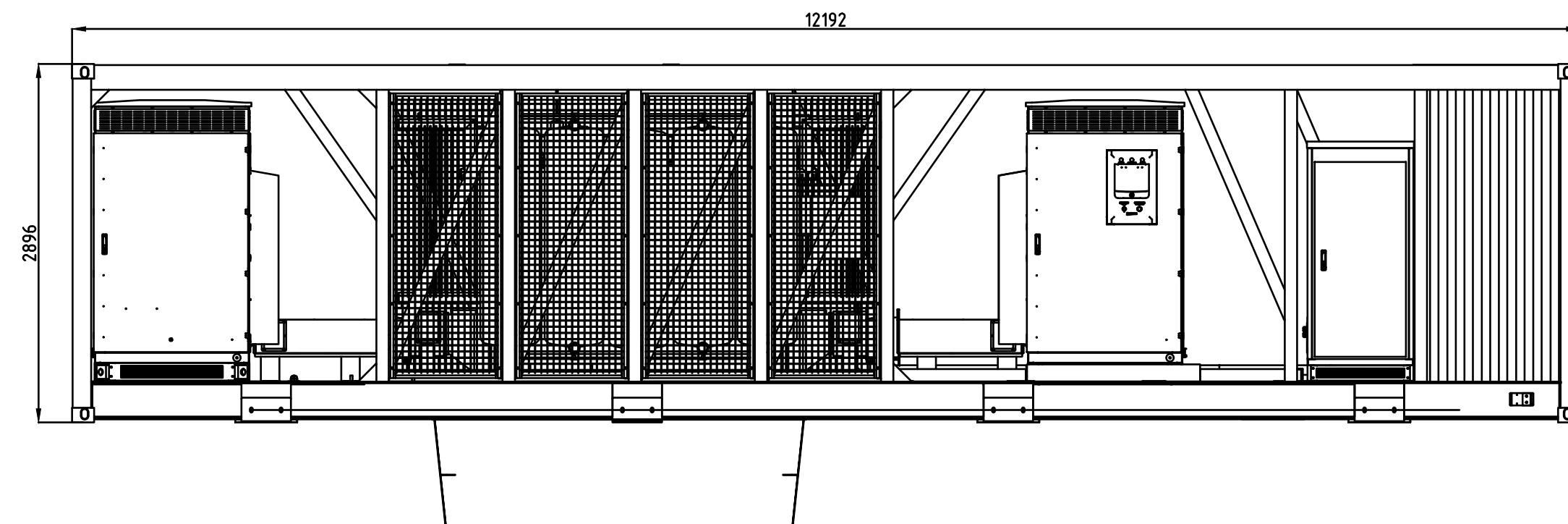




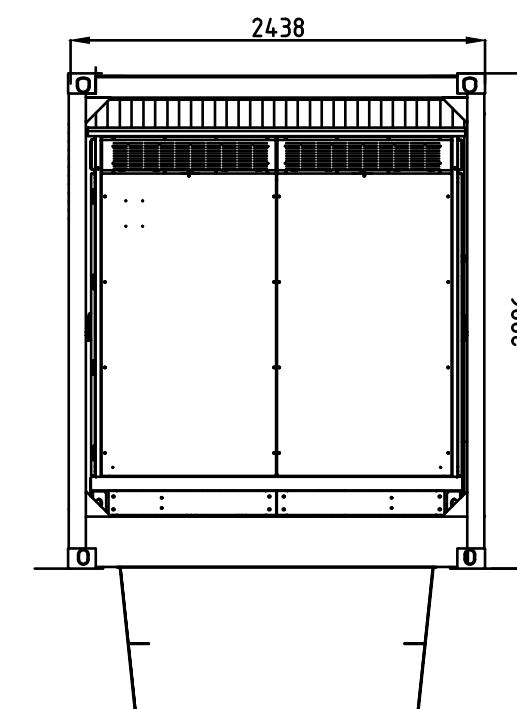
TYPICAL BATTERY ELEVATION



TYPICAL HV SWITCHBOARD ELEVATION



TYPICAL INVERTER ELEVATION



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 2. ACTUAL DIMENSIONS OF THE EQUIPMENT MAY VARY BASED ON THE ACTUAL DIMENSIONS OF THE EQUIPMENT MAY VARY BASED ON THE SPECIFICATIONS OF EQUIPMENT MANUFACTURERS.
 3. THE MAIN COLOUR OF ALL EQUIPMENT IS WHITE.

FOR INFORMATION

REVISION		DESCRIPTION		NUMBER		TITLE	
A	08/11/23	D.S.	ACE	D.S.	ACE	ISSUED FOR INFORMATION	
No	DATE	DRN	CHK	ENG	Q.A.	PROJECT	REFERENCE DRAWINGS



GENERAL SOLAR FARM
TYPICAL ELECTRICAL EQUIPMENT ELEVATIONS

DATE: 08/11/23	DRN: D.S.	CHK: ACE	ENG: D.S.	Q.A: ACE	SCALE: NTS	REV A
PROJ No	DRG No					