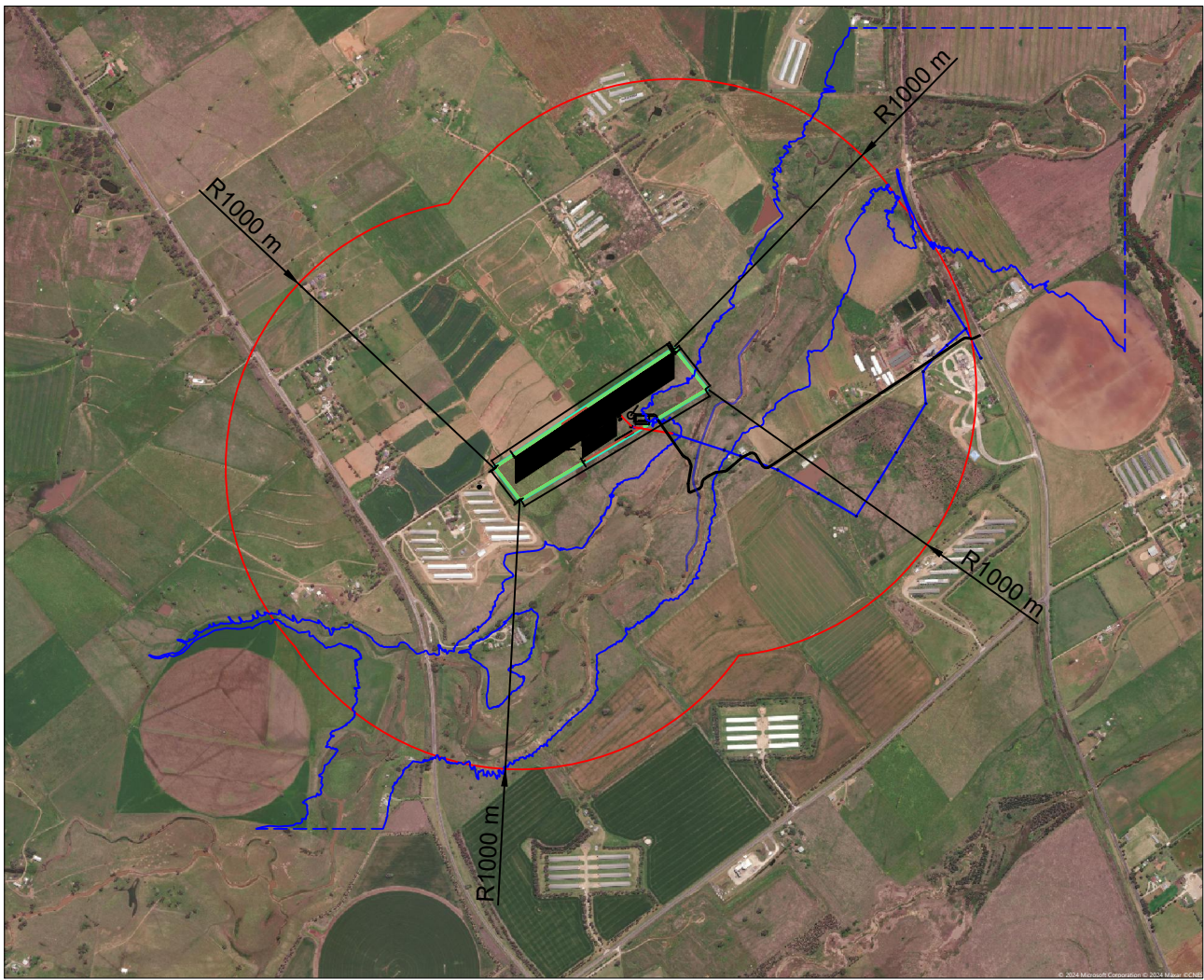
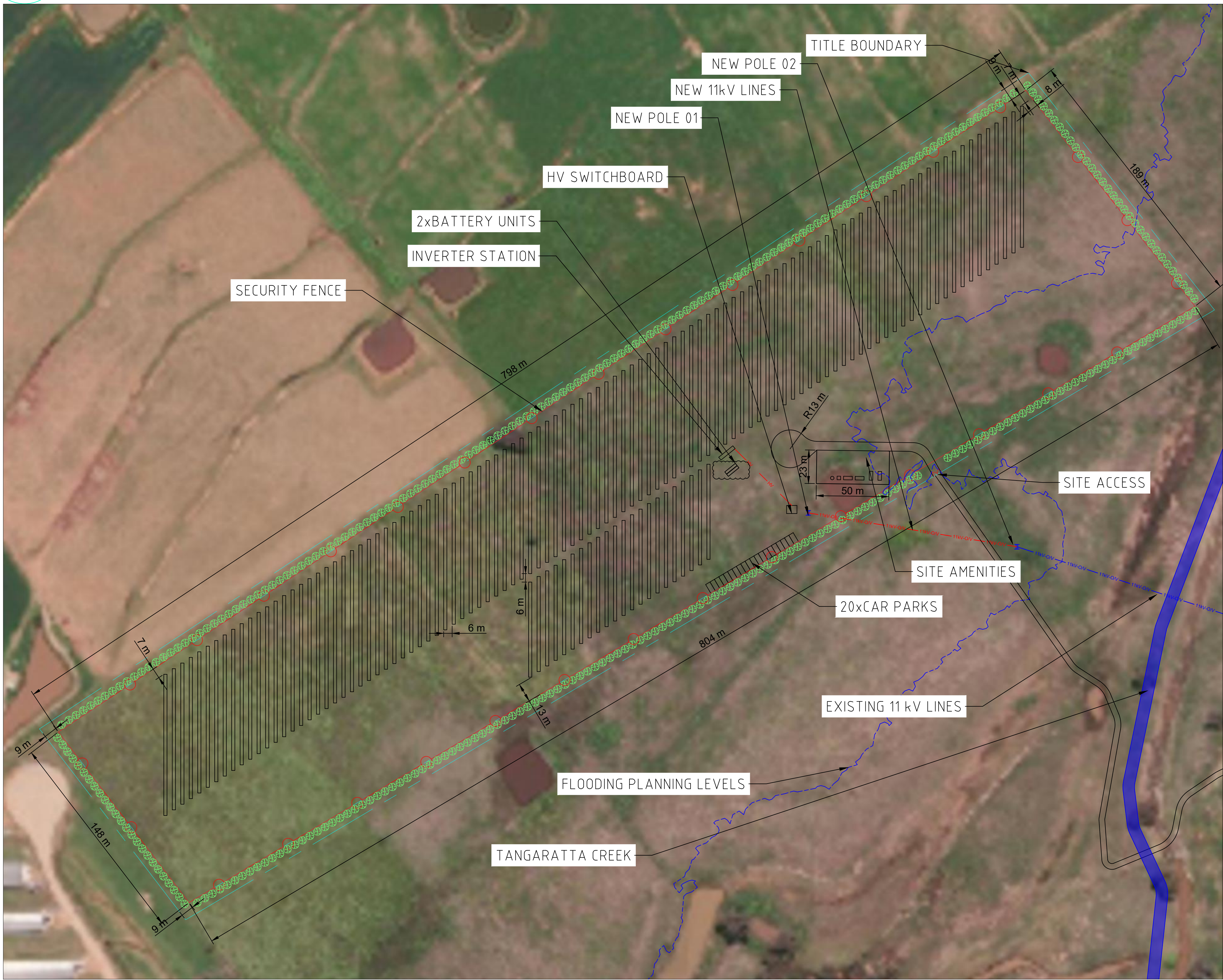
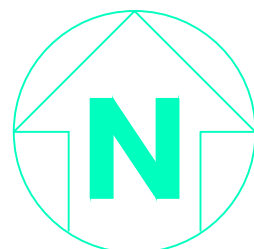




LOCALITY WITHIN 1KM

NOTES

- 1. ACTUAL DIMENSIONS AND CLEARANCES MAY VARY SUBJECT TO SITE CONDITIONS.
- 2. DIMENSIONS OF ELECTRICAL EQUIPMENT ARE INDICATIVE ONLY. ACTUAL DIMENSIONS TO BE CONFIRMED.
- 3. EXISTING ESSENTIAL ENERGY 11kV POLE IS FOR ILLUSTRATION ONLY. ACTUAL POSITION IS SUBJECT TO THE ACTUAL MEASUREMENT ON SITE.
- 4. TWO NEW POLES WILL BE INSTALLED TO CARRY OVERHEAD DISTRIBUTION LINES AND CONNECT TO ESSENTIAL ENERGY NETWORK.
- 5. EXISTING ESSENTIAL ENERGY DISTRIBUTION LINES QUINCE NEED TO BE UPGRADED TO MEET EXPORT CAPACITY.
- 6. SITE STORAGE AND AMENITY FACILITIES TO BE ON SITE ONLY DURING CONSTRUCTION PHASE. NO PERMANENT BUILDINGS TO BE KEPT ON SITE AFTER CONSTRUCTION COMPLETED.
- 7. FENCE SET BACK 9M FROM LEASE BOUNDARY TO ALLOW 6M LANDSCAPING BUFFER AND 3M MAINTENANCE TRACK.
- 8. THE DEFAULT NUMBER OF BATTERY IS 2 AND IS SUBJECT TO DEMAND.

SYSTEM SPECIFICATIONS

DC	5.83	MW	TOTAL MODULES	10044
MODULE CAPACITY	580	W	MODULES PER STRING	27
NUMBER OF INVERTERS	1	-	NUMBER OF STRINGS	372
INVERTER MODEL	SG4950-HV-MV	-	MODULE MODEL	LR5-72HPH-580M
BATTERY CAPACITY	5.5	MWh	BATTERY MODEL	ST-2752UX

FOR INFORMATION

- LEGEND
- PROPOSED PV ARRAY
 - SECURITY FENCE
 - PROPERTY BOUNDARY
 - FLOODING PLANNING LEVELS

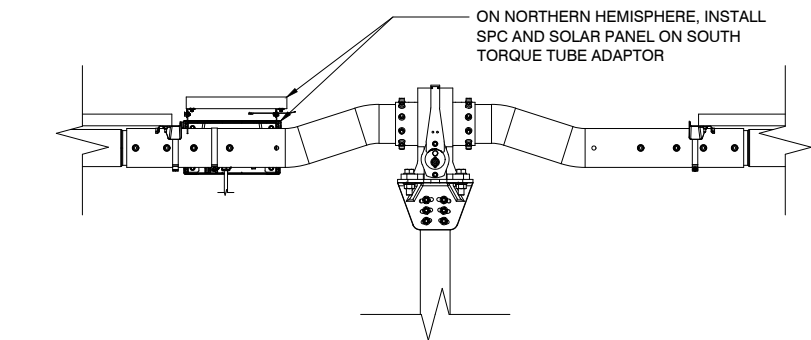
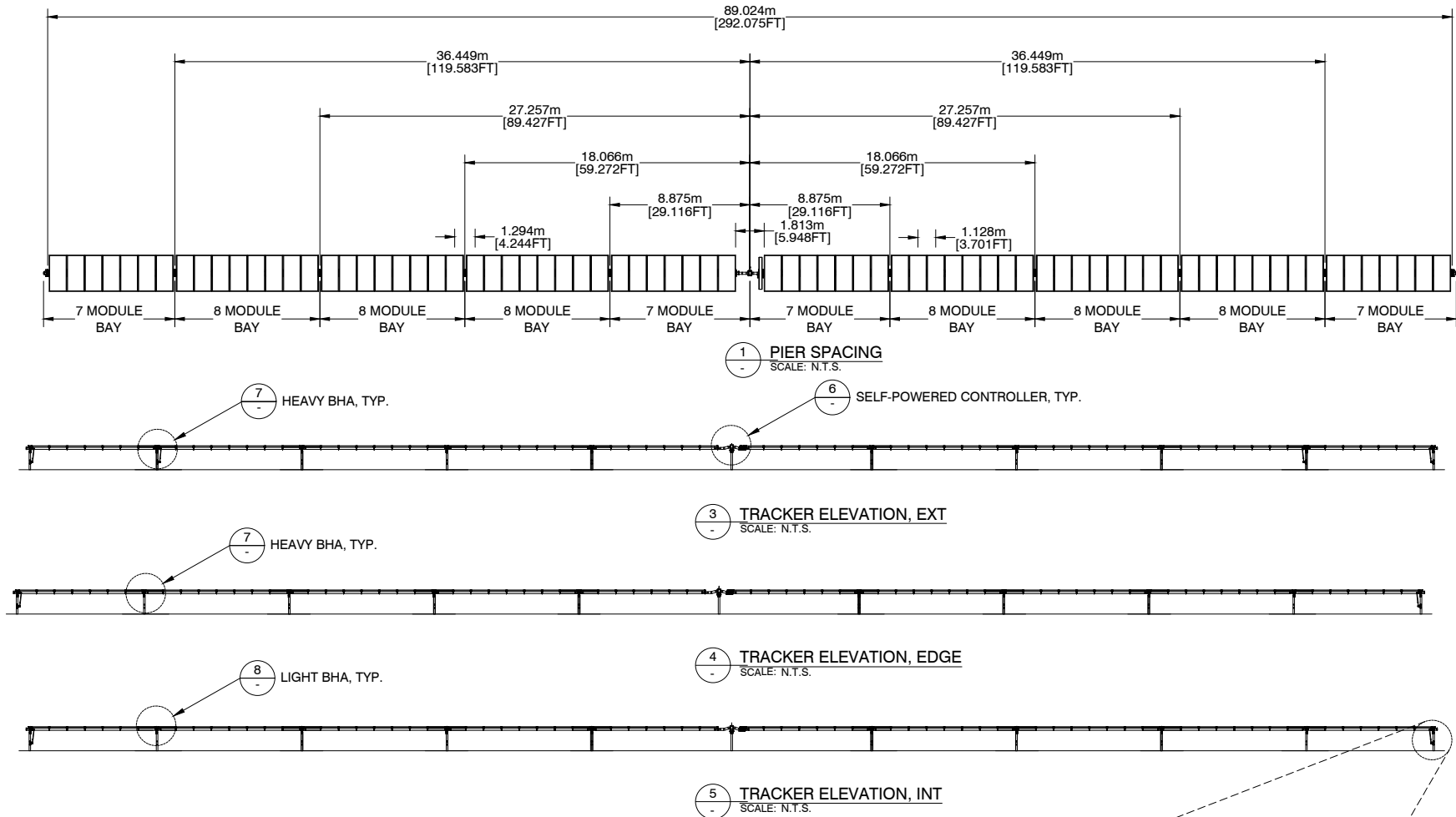
SITE LAYOUT (1:1500)

No	DATE	DRN	CHK	ENG	Q.A.	PROJECT	DESCRIPTION	NUMBER	TITLE
D	12/04/24	D.S.	ACE	D.S.	ACE	NSW-151	UPDATE ROAD LOCATION		
C	08/01/24	M.G.	ACE	M.G.	ACE	NSW-151	ADD BESS		
B	10/10/23	M.G.	ACE	M.G.	ACE	NSW-151	UPDATE SITE ARRANGMENT		
A	21/12/22	M.G.	M.G.	M.G.	ACE	NSW-151	DRAFT SITE PLAN		
REVISION							REFERENCE DRAWINGS		

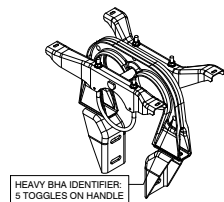


LOT 1, 821 WALLAMORE ROAD, WALLAMORE, NSW 2340
4.95 MVA PV EXPORT & BATTERY ENERGY STORAGE SYSTEM
SITE PLAN

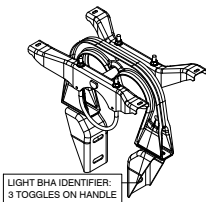
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PROJ No	DRG No				REV D



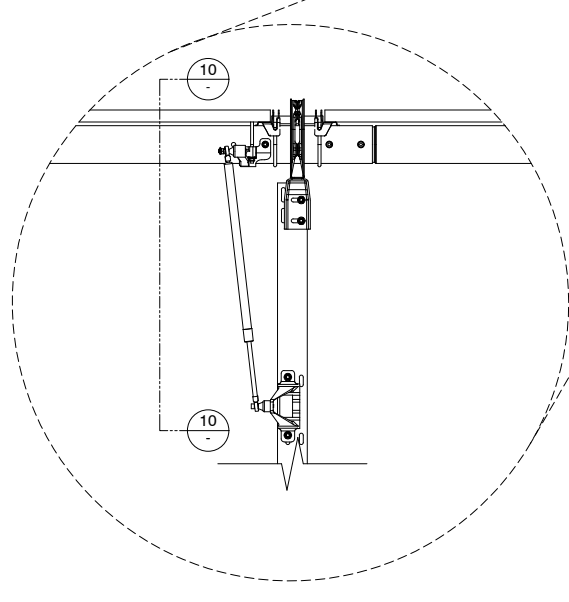
6 SELF POWERED CONTROLLER
SCALE: N.T.S.



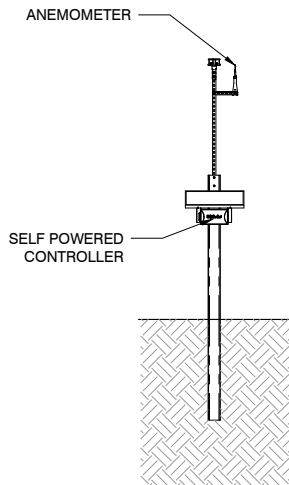
7 HEAVY BHA, TYP.
SCALE: N.T.S.



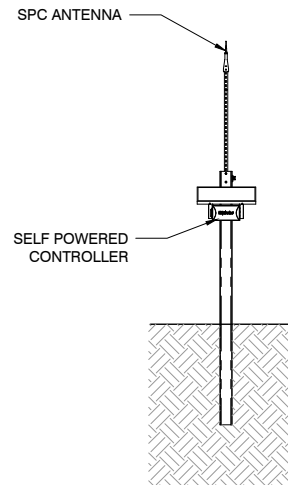
8 LIGHT BHA, TYP.
SCALE: N.T.S.



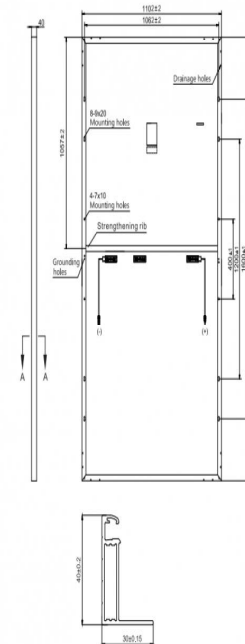
9 DAMPER, TYP.
SCALE: N.T.S.



11 SPT WEATHER STATION, ULTRASONIC WIND SENSOR
SCALE: N.T.S.



12 SPT WEATHER STATION, ULTRASONIC SNOW SENSOR
SCALE: N.T.S.



SEAL

THESE PLANS HAVE BEEN PREPARED BY OTHERS AND SEALED BY STRUCTUROLOGY LLC FOR CONFORMANCE OF STRUCTURAL ITEMS ONLY.

GREEN AND GOLD ENERGY

PROJECT NUMBER:

SITE ID:

SHEET TITLE:

76 MODULE TRACKER DETAILS

NO.	REVISION	DATE	INIT.
A	GEN MECH. SET	07/09/2021	TJ
B			
C			
D			
E			
F			
G			
H			
I			

SITE DETAILS

LATITUDE	-
LONGITUDE	-
SNOW LOAD	-- PSF
WIND LOAD	-- MPH ASCE 7-10
STOW STRAT.	-- STOW - --MPH
NEXTRACKER	NXH 2.4.1.18
76 TRACKER	7-8-8-7-M-7-8-8-7
38 TRACKER	-M-7-8-8-8-7
DATE	07/09/2021
DRAWN BY	TJ
CHECKED BY	-

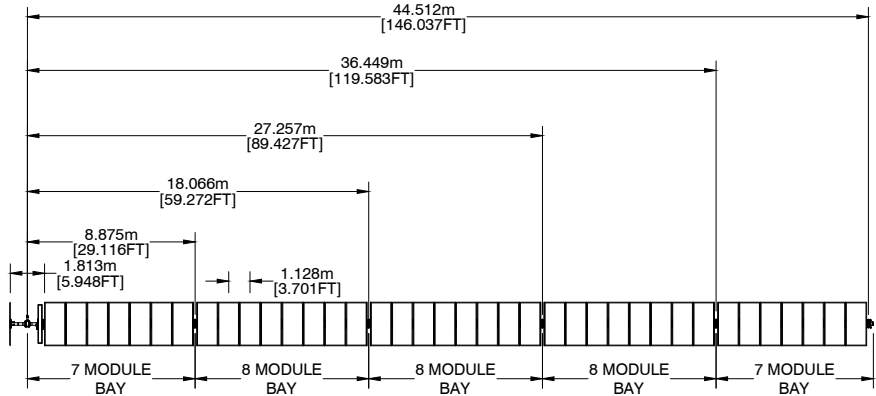
SHEET NO.:

M-101

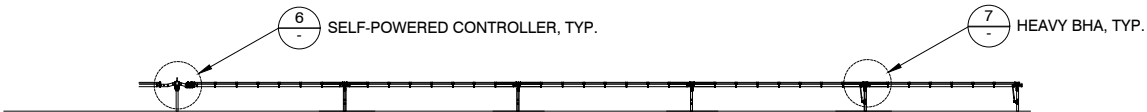
IF BAR IS NOT TWENTY MILLIMETERS, PRINT IS NOT TO SCALE.

ACTUAL OPTIMAL DIMENSIONS MAY DEPEND ON SPECIFIC CONDITIONS OF THE SITE.

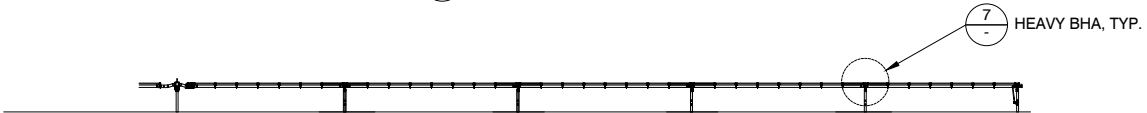
NOT FOR CONSTRUCTION



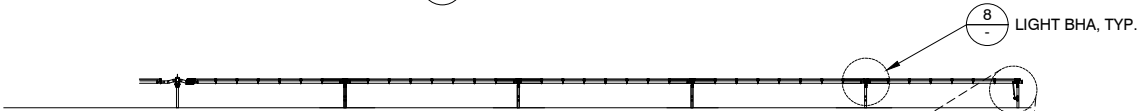
1 PIER SPACING
SCALE: N.T.S.



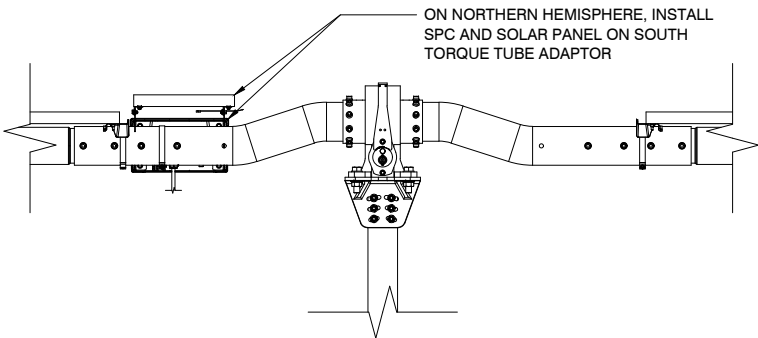
3 TRACKER ELEVATION, EXT
SCALE: N.T.S.



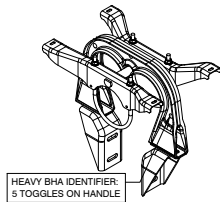
4 TRACKER ELEVATION, EDGE
SCALE: N.T.S.



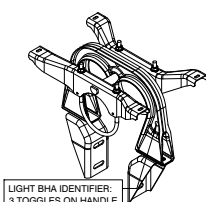
5 TRACKER ELEVATION, INT
SCALE: N.T.S.



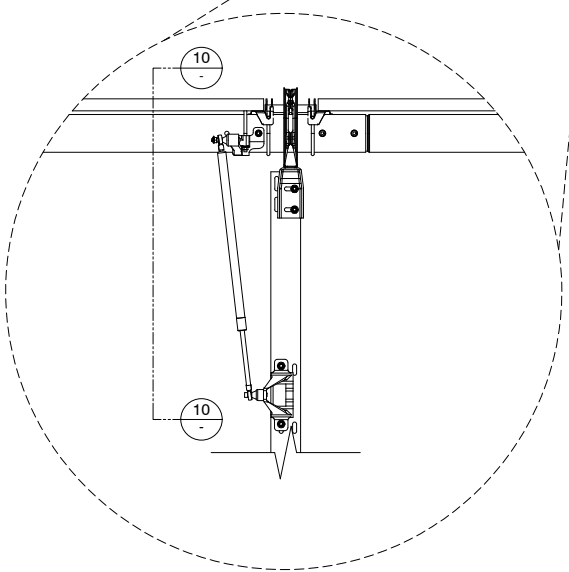
6 SELF POWERED CONTROLLER
SCALE: N.T.S.



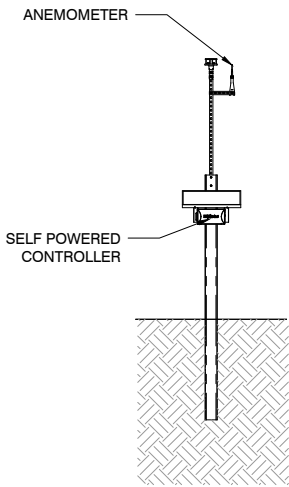
7 HEAVY BHA, TYP.
SCALE: N.T.S.



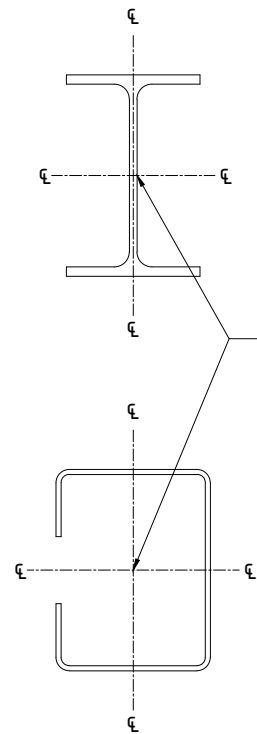
8 LIGHT BHA, TYP.
SCALE: N.T.S.



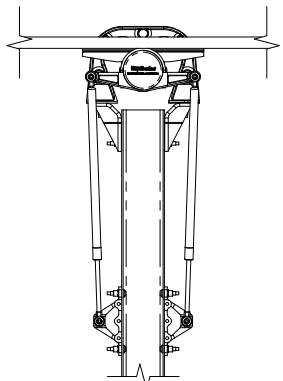
9 DAMPER, TYP.
SCALE: N.T.S.



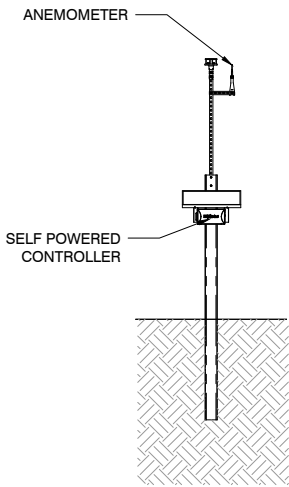
11 SPT WEATHER STATION, ULTRASONIC WIND SENSOR
SCALE: N.T.S.



2 CENTER OF WEB
SCALE: N.T.S.



10 DOUBLE DAMPER
SCALE: N.T.S.



12 SPT WEATHER STATION, ULTRASONIC SNOW SENSOR
SCALE: N.T.S.

SEAL

THESE PLANS HAVE BEEN PREPARED
BY OTHERS AND SEALED BY
STRUCTUROLOGY LLC FOR
CONFORMANCE OF STRUCTURAL
ITEMS ONLY.

GREEN AND GOLD
ENERGY

PROJECT NUMBER:

SITE ID:

SHEET TITLE:

38 MODULE
TRACKER DETAILS

NO.	REVISION	DATE	INIT.
A	GEN MECH. SET	07/09/2021	TJ
B			
C			
D			
E			
F			
G			
H			
I			

SITE DETAILS

LATITUDE	-
LONGITUDE	-
SNOW LOAD	-- PSF
WIND LOAD	-- MPH ASCE 7-10
STOW STRAT.	-- STOW - --MPH
NEXTRACKER	NXH 2.4.1.18
76 TRACKER	7-8-8-8-7-M-7-8-8-8-7
38 TRACKER	-M-7-8-8-8-7
DATE	07/09/2021
DRAWN BY	TJ
CHECKED BY	-

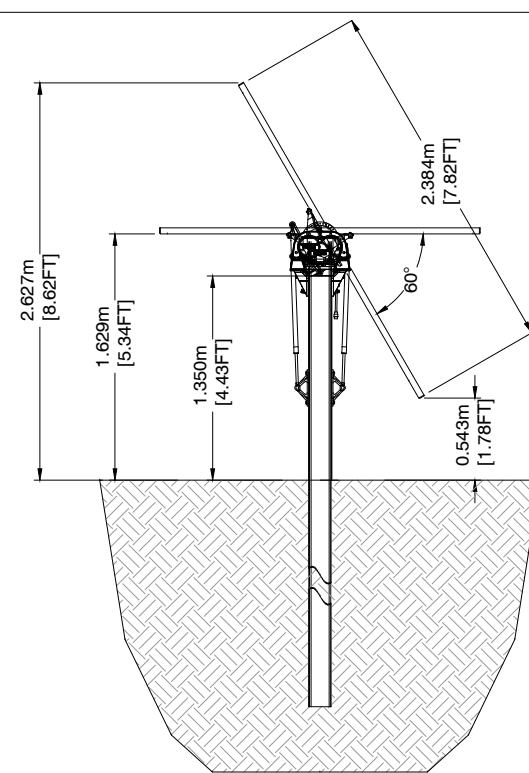
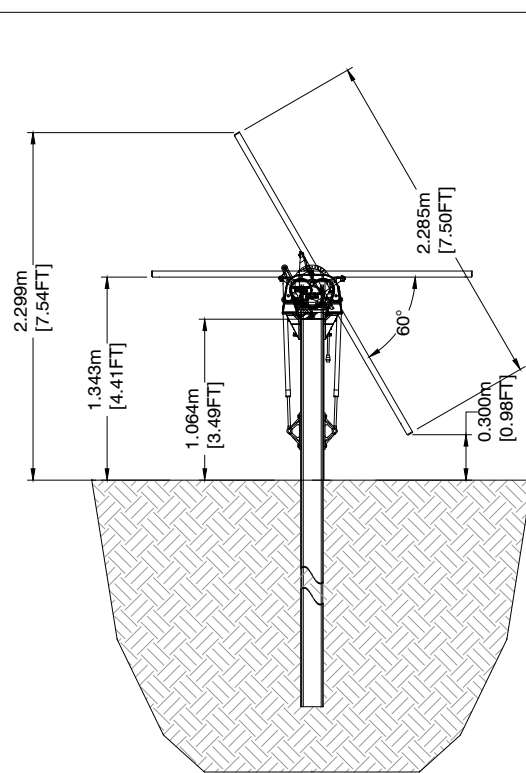
SHEET NO.:

M-102

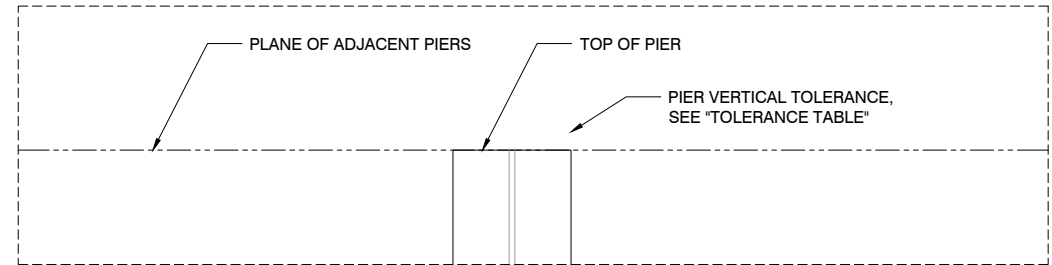
IF BAR IS NOT TWENTY MILLIMETERS,
PRINT IS NOT TO SCALE.

ACTUAL OPTIMAL DIMENSIONS MAY DEPEND ON SPECIFIC CONDITIONS OF THE SITE.

NOT FOR CONSTRUCTION

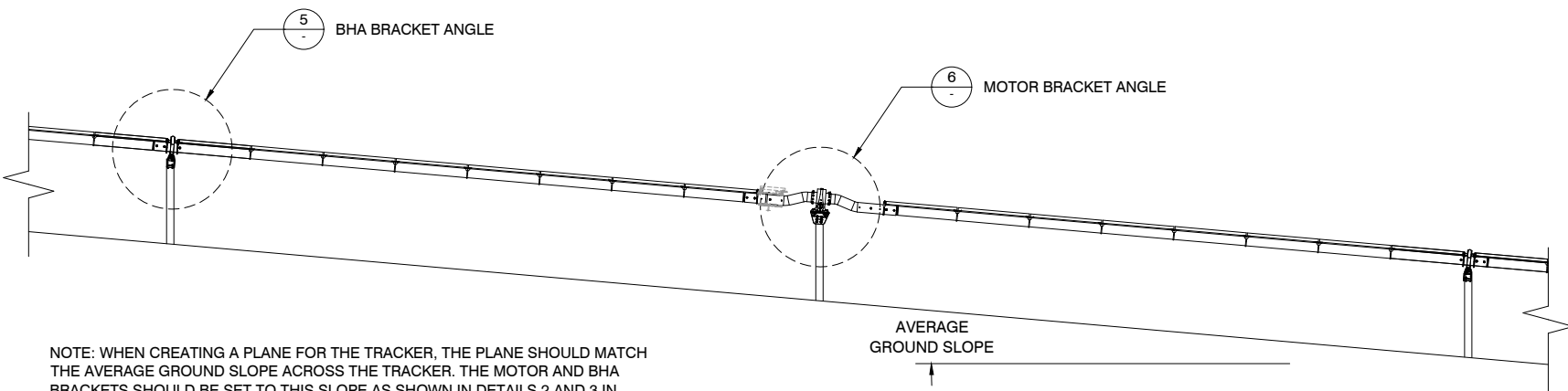
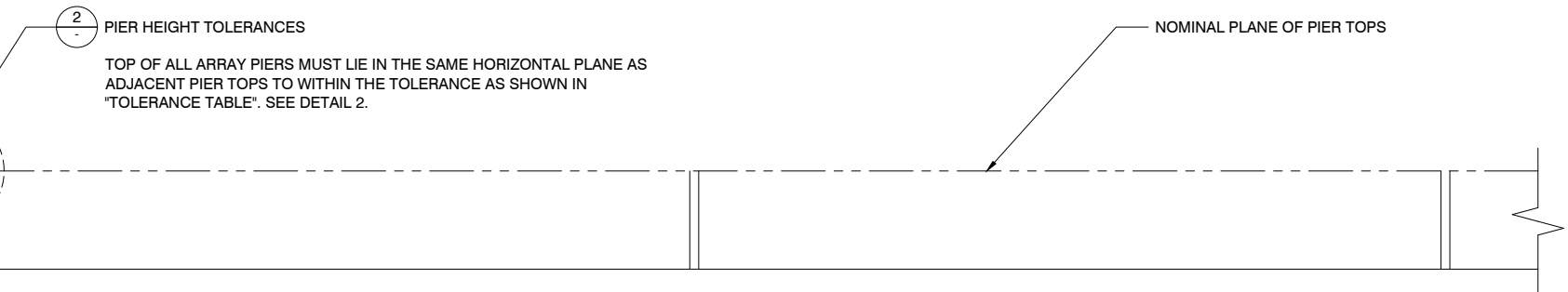


2.4 TOLERANCE TABLE			
MEASUREMENT TYPE		0-6.1% (STANDARD SLOPE)	>6.1-15% (HIGH SLOPE)
TOP OF PIER E-W POSITION		+/- 1" (25.4 mm)	
TOP OF PIER N-S POSITION		+/- 1 ³ / ₄ " (45.5 mm)	+/- 1 ³ / ₈ " (34.9 mm)
PIER VERTICAL		+/- ¹¹ / ₁₆ " (17.5 mm)	+/- ¹ / ₂ " (12.7 mm)
PIER TWIST		+/- 5°	
0 - 3% TRACKER SLOPE	PIER PLUMB E-W	+/- 1.5°	-
	PIER PLUMB N-S	+/- 3°	-
>3 - 15% TRACKER SLOPE	PIER PLUMB E-W	+/- 1.5°	
	PIER PLUMB N-S	+/- 1.5°	

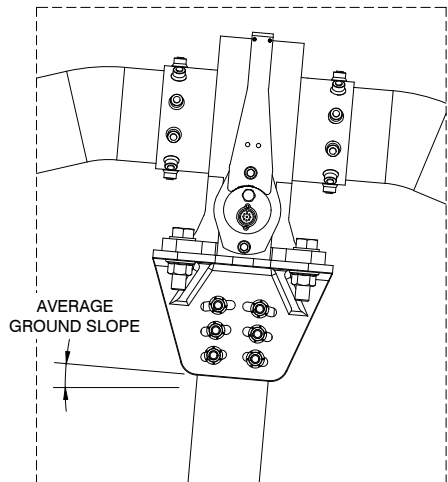
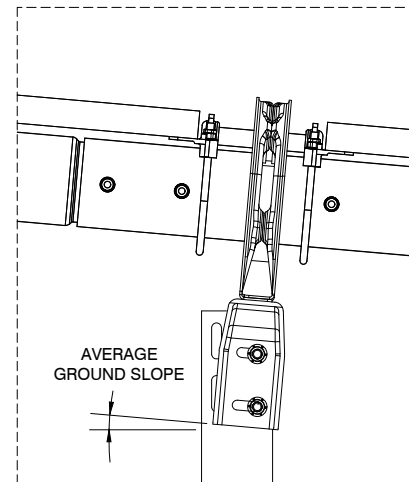


NOTES:

- 1) TO ALIGN THE PIER TOPS IN A PLANE, SET THE END PIERS OF THE TRACKER ROW FIRST, THEN USE A LASER OR STRING TO SET THE HEIGHTS OF ALL PIERS IN BETWEEN.
- 2) IF THE EXISTING GRADE IS NOT LEVEL, TO ENSURE PIER HEIGHTS FALL WITHIN THE TOLERANCE AS SHOWN IN "TOLERANCE TABLE", MAKE MAXIMUM PIER HEIGHT IN EACH ROW AT LOWEST ELEVATION POINT OF GRADE FOR THAT ROW.
- 3) MOTOR PIER MUST BE IN THE PLANE OF THE ARRAY PIERS.



NOTE: WHEN CREATING A PLANE FOR THE TRACKER, THE PLANE SHOULD MATCH THE AVERAGE GROUND SLOPE ACROSS THE TRACKER. THE MOTOR AND BHA BRACKETS SHOULD BE SET TO THIS SLOPE AS SHOWN IN DETAILS 2 AND 3 IN ORDER TO MOUNT THE SLEW GEAR AND BHAS PROPERLY.



ACTUAL OPTIMAL DIMENSIONS MAY DEPEND ON SPECIFIC CONDITIONS OF THE SITE.

NEXTracker Inc.
6200 Paseo Padre Parkway
Fremont, CA 94555

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WRITTEN AUTHORIZATION ON NEXTRACKER INC. IS STRICTLY
FORBIDDEN

SEAL

THESE PLANS HAVE BEEN PREPARED
BY OTHERS AND SEALED BY
STRUCTUROLOGY LLC FOR
CONFORMANCE OF STRUCTURAL
ITEMS ONLY.

GREEN AND GOLD ENERGY

PROJECT NUMBER:

SITE ID:

SHEET TITLE:

PIER TOLERANCES

NO.	REVISION	DATE	INIT
A	GEN MECH. SET	07/09/2021	TJ
B			
C			
D			
E			
F			
G			
H			
I			

SITE DETAILS

LATITUDE	
----------	--

LONGITUDE	
-----------	--

LONGITUDE	
SNOW LOAD	

SNOW LOAD	
WIND LOAD	MS

WIND LOAD	-- MF
SEA WIND LOAD	

STOW STRAT.	-- S

NEXTRACKER	
------------	--

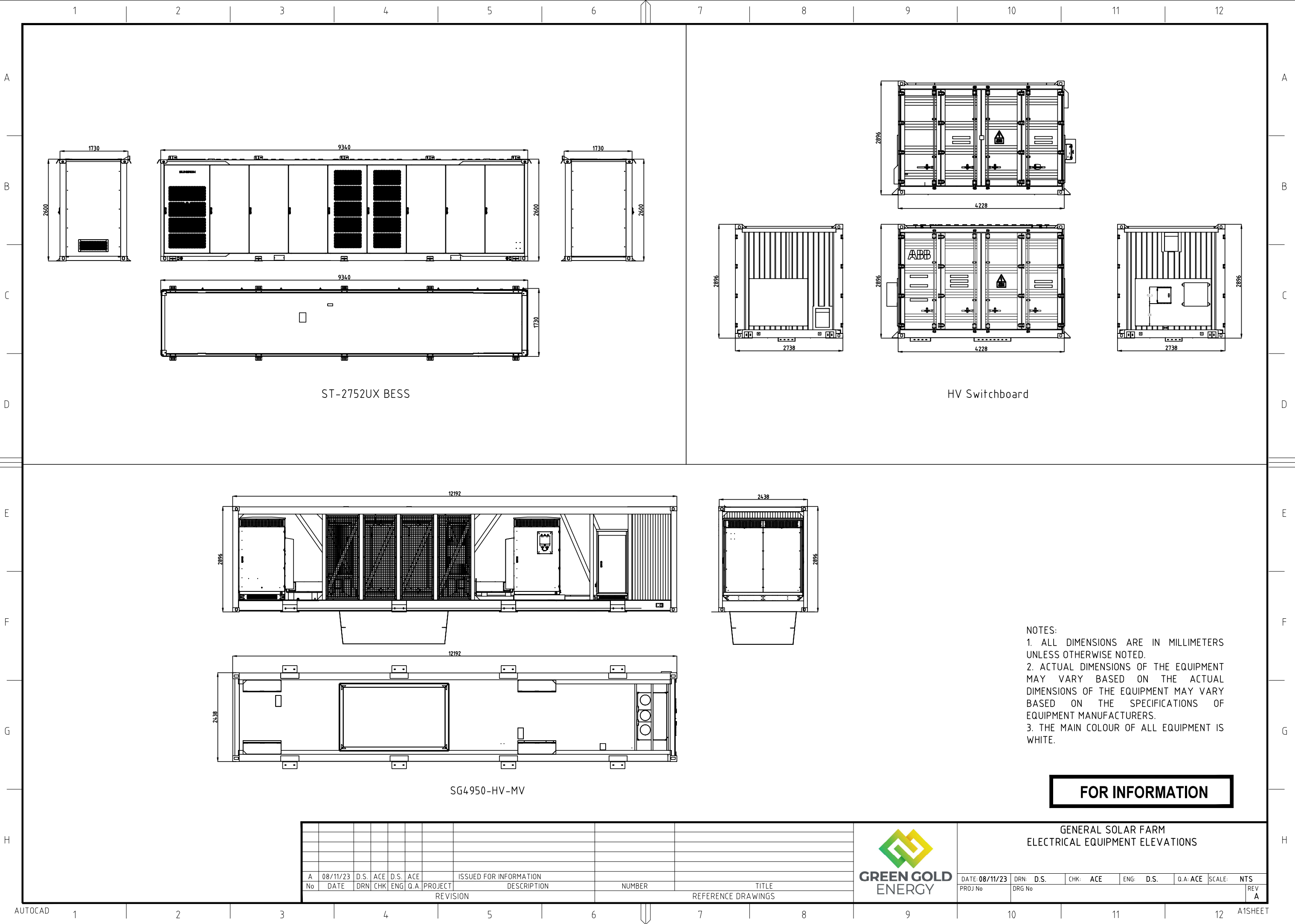
76 TRACKER	7-8-8-8-
------------	----------

38 TRACKER	
------------	--

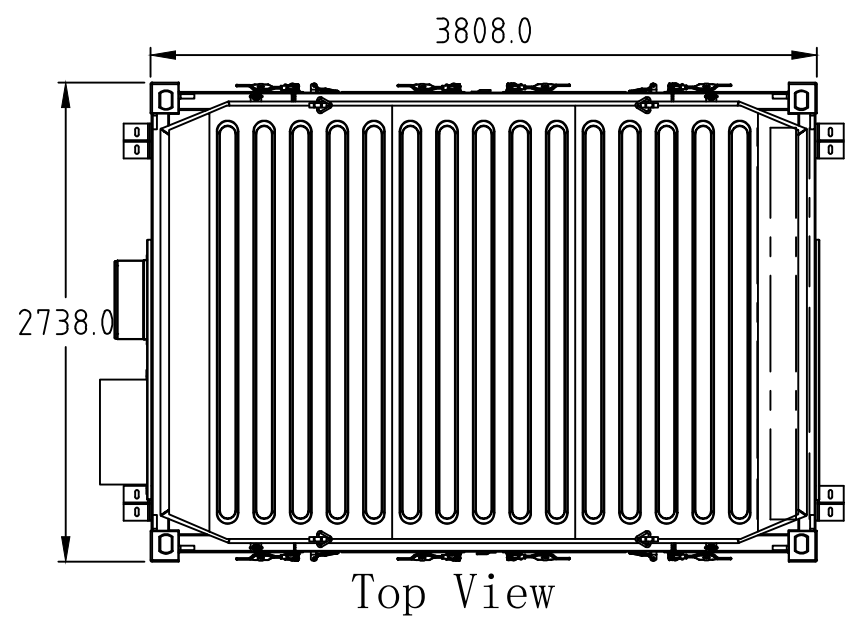
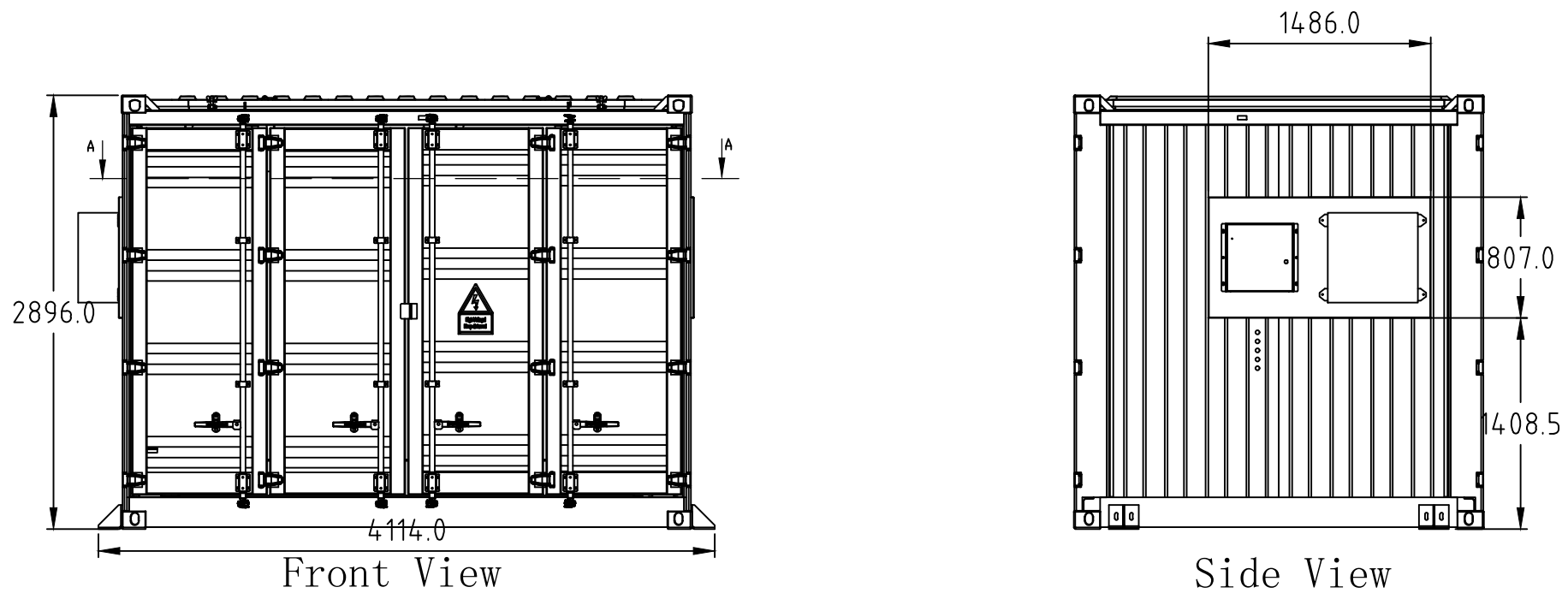
DATE	
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SHEET NO.:

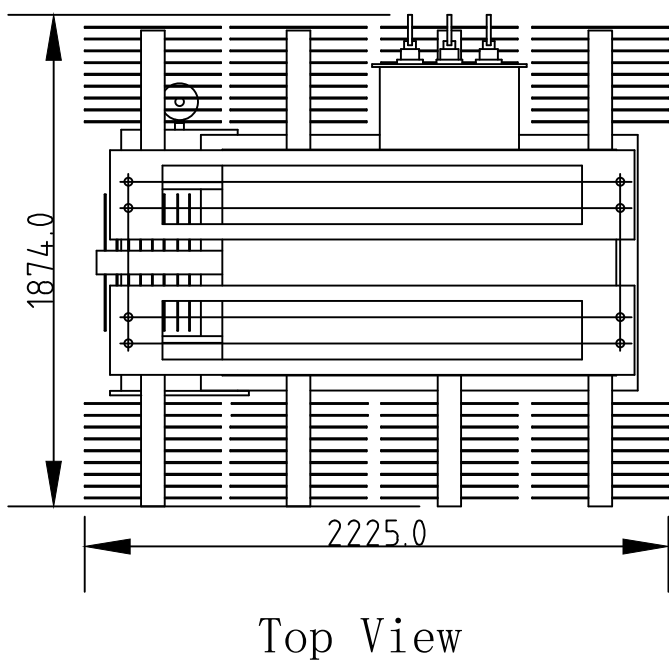
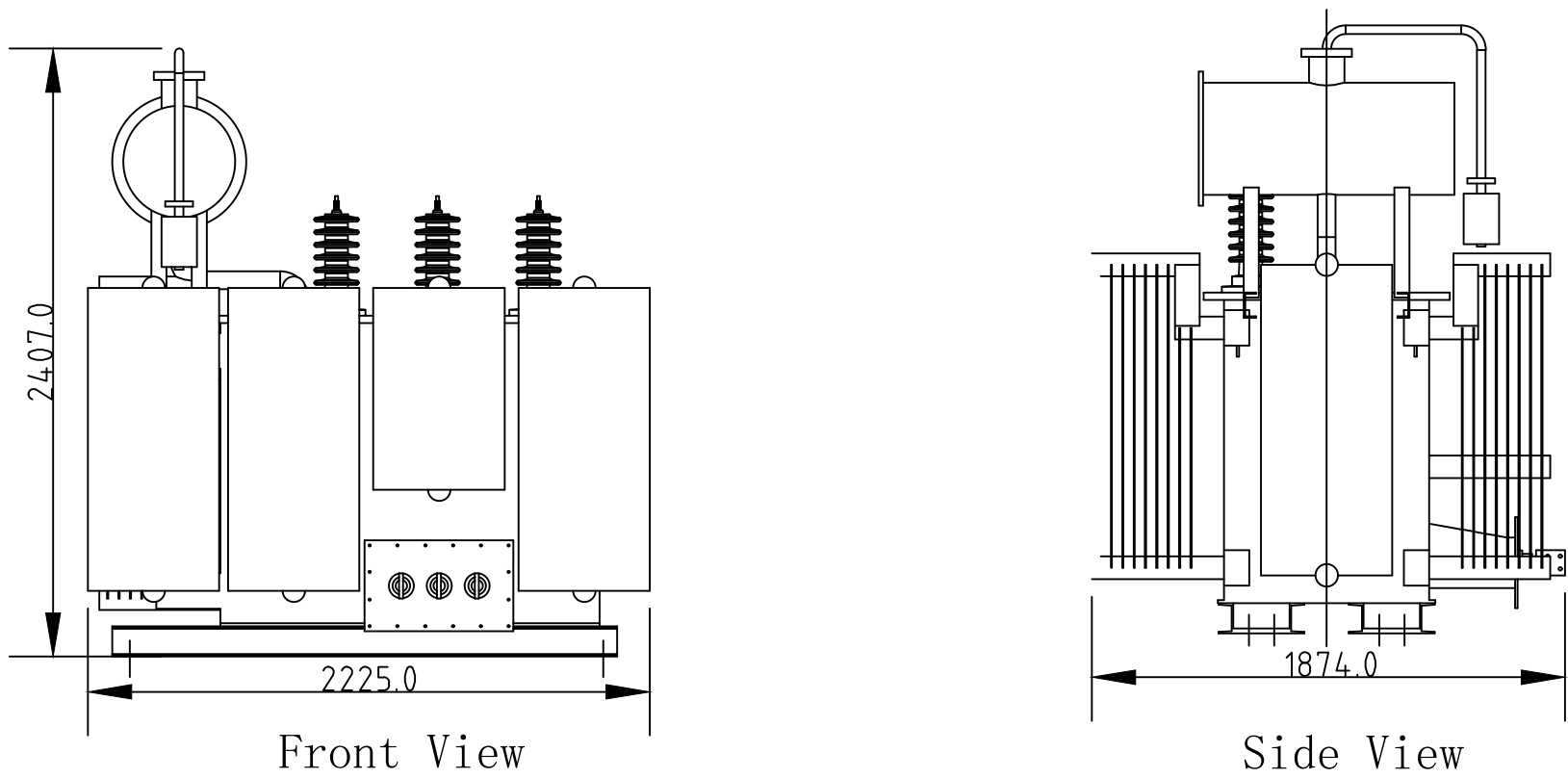
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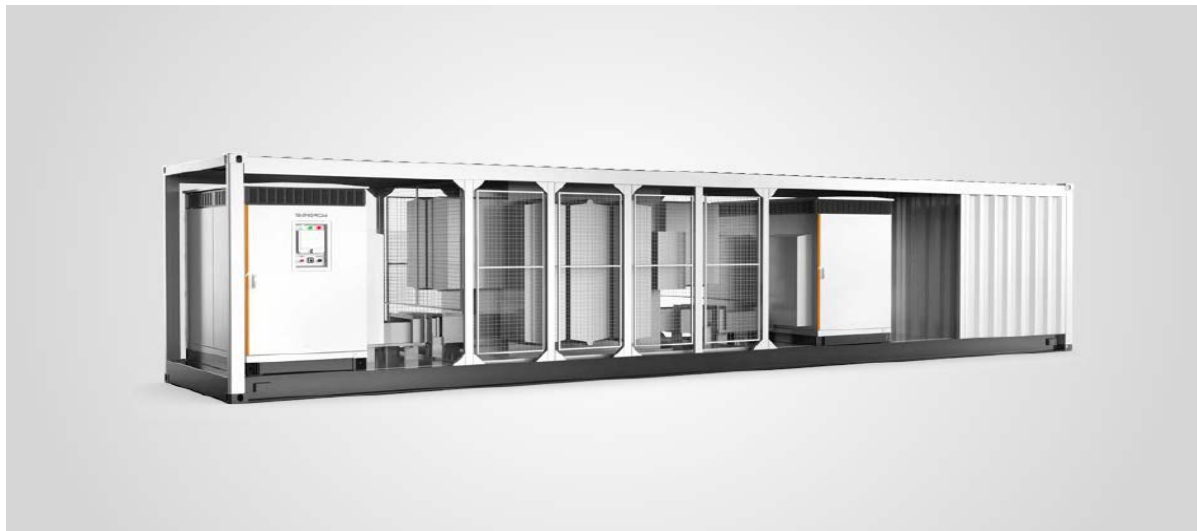
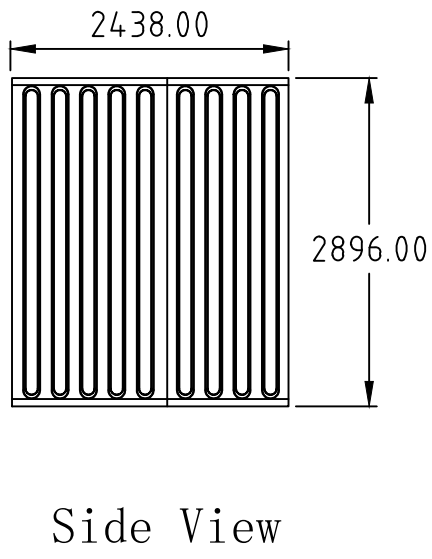
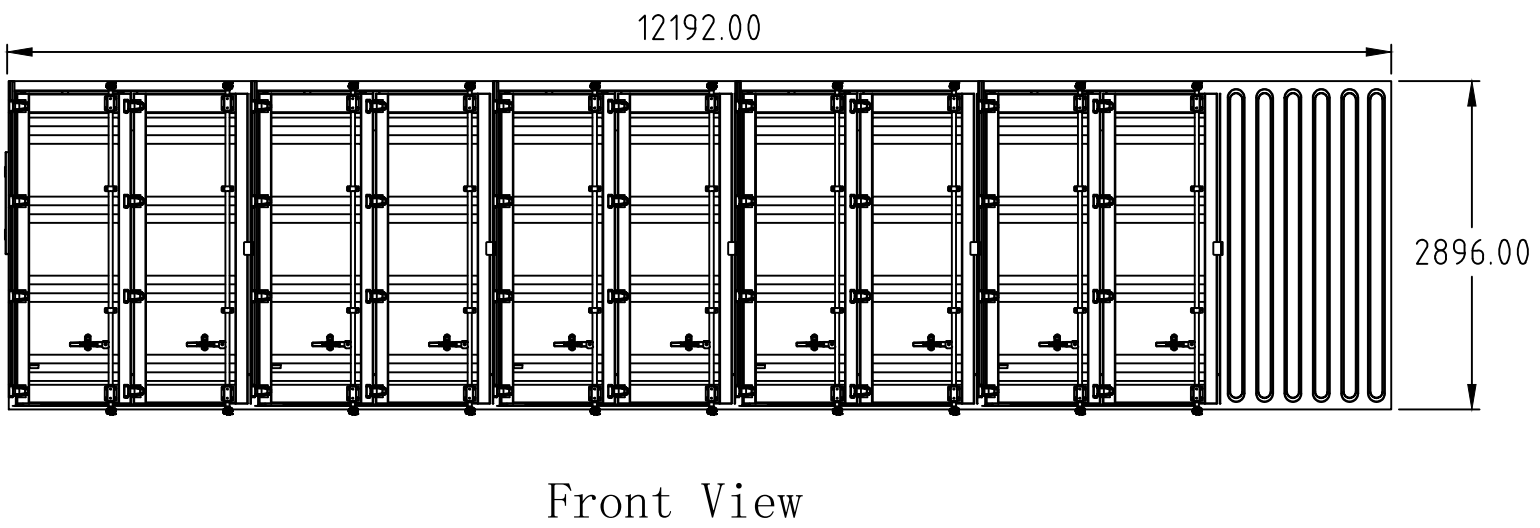
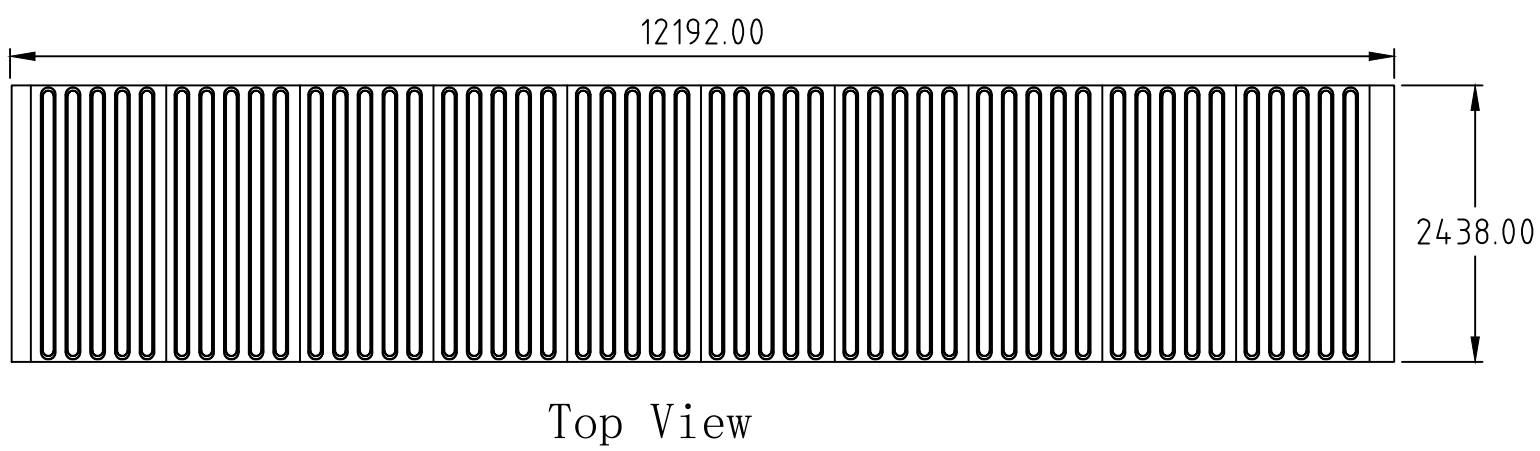
TYPICAL HIGH VOLTAGE SWITCHBOARD ENCLOSURE ELEVATION DETAILS



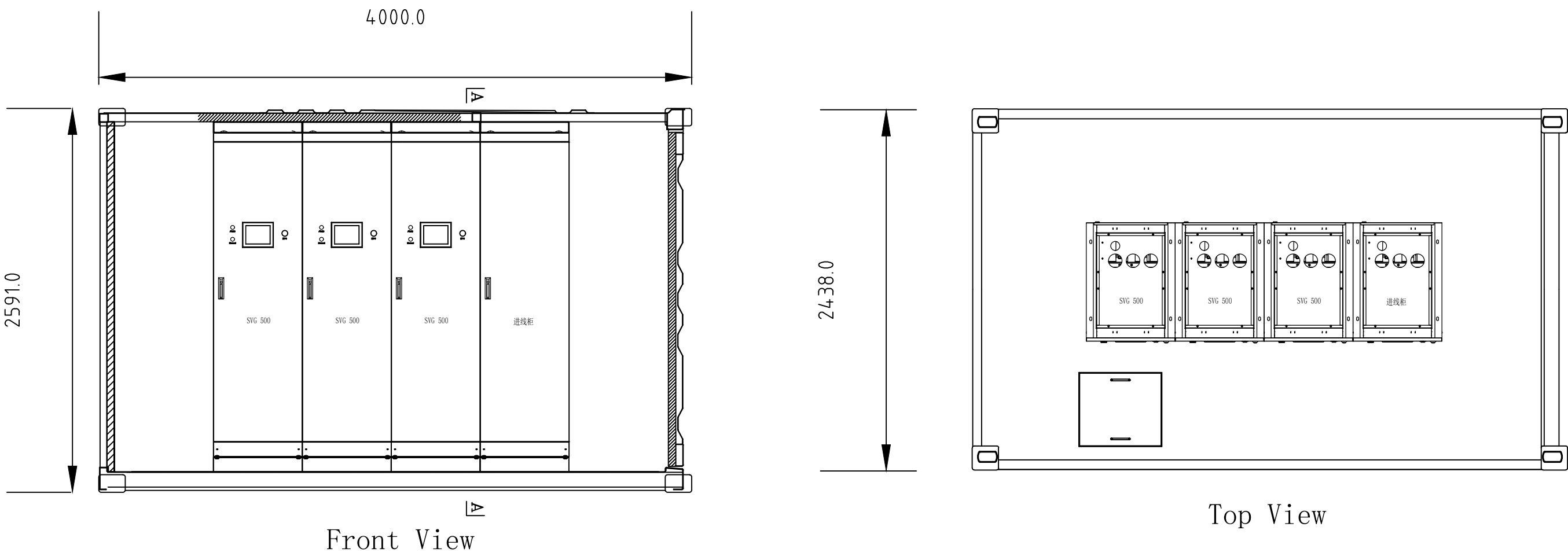
TYPICAL INVERTER TRANSFORMER ELEVATION DETAILS



TYPICAL INVERTER STATION ELEVATION DETAILS



TYPICAL SVG ENCLOSURE ELEVATION DETAILS



NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. ACTUAL DIMENSIONS OF THE EQUIPMENT MAY VARY BASED ON THE SPECIFICATIONS OF EQUIPMENT MANUFACTURERS.

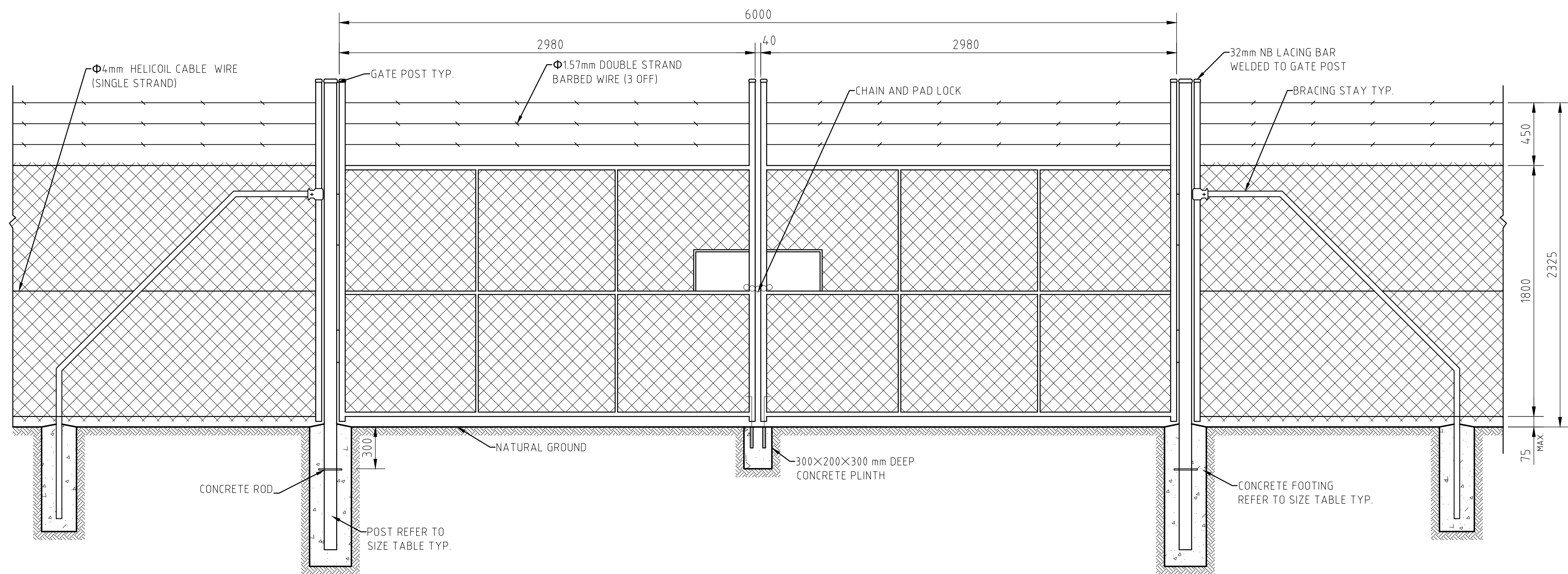
FOR INFORMATION

No	DATE	DRN	CHK	ENG	Q.A.	PROJECT	DESCRIPTION	NUMBER	TITLE
B	20/11/20	ACE	ACE	ACE	ACE		UPDATED INVERTER STATION		
A	13/03/20	ACE	ACE	ACE	ACE		PRELIMINARY ISSUE		
REVISION									
REFERENCE DRAWINGS									

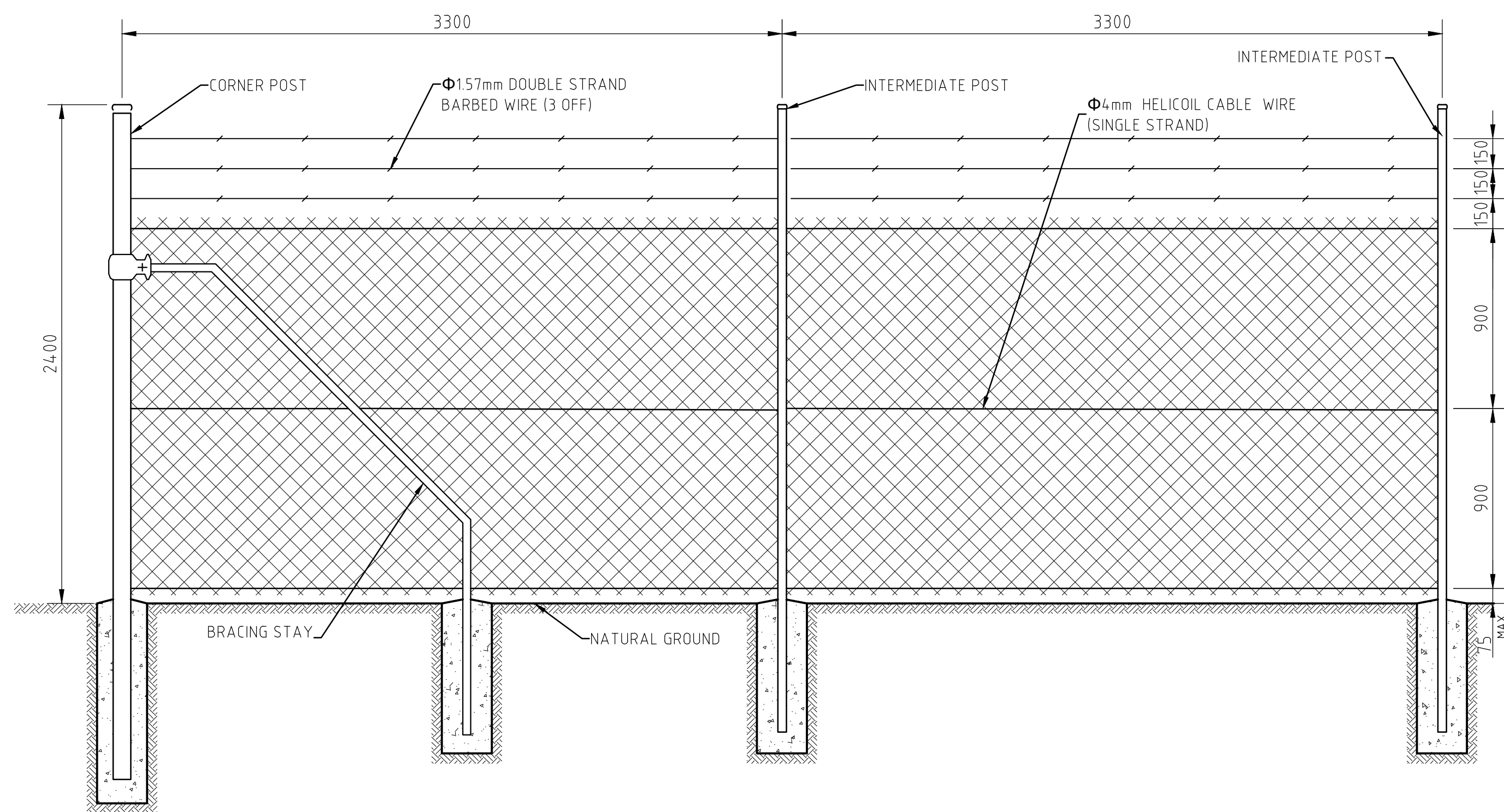


GENERAL SOLAR FARM
ELECTRICAL EQUIPMENT ELEVATIONS

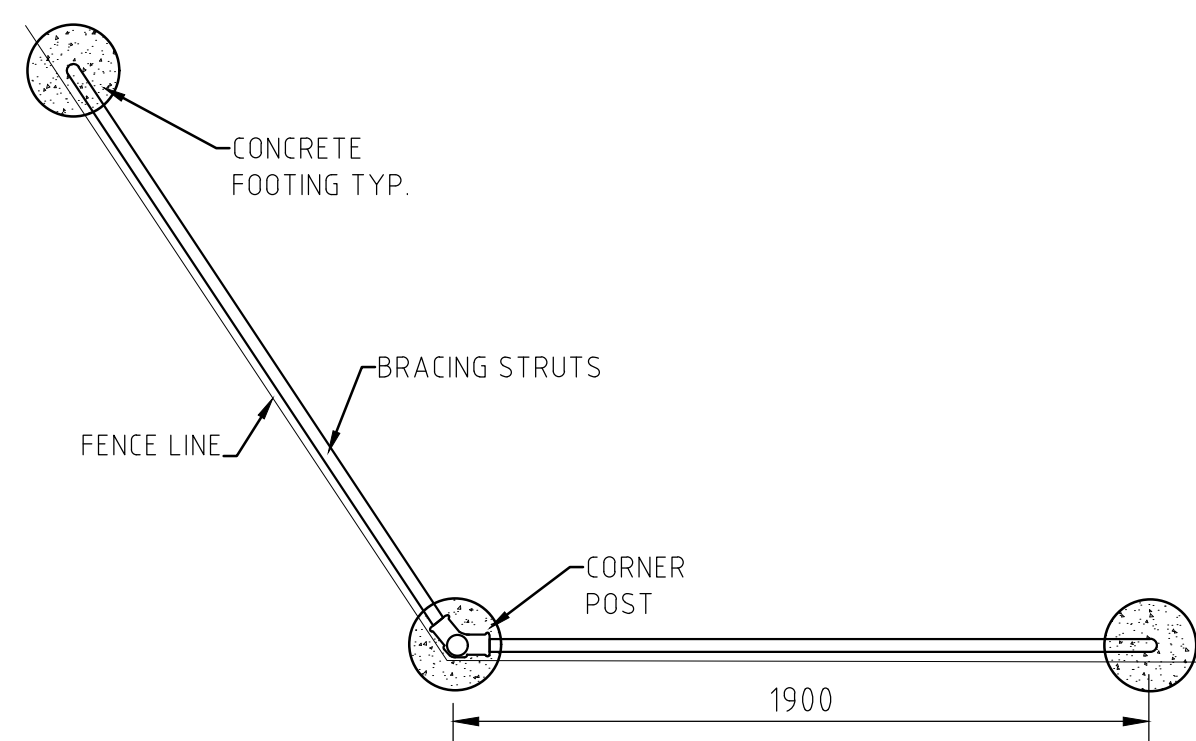
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PROJ No	DRG No				REV B



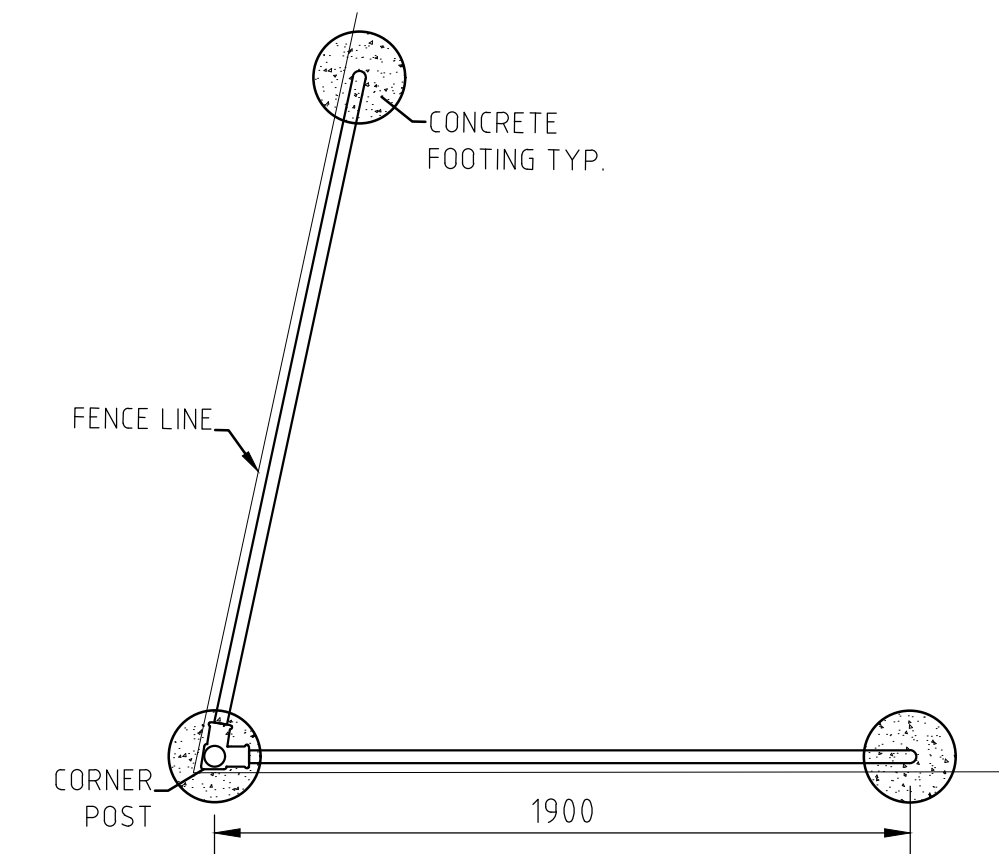
CHAIN LINK FABRIC FENCE AND OPENING DOUBLE GATE - 6000 GATE
SCALE 1:20



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

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

FOR CONSTRUCTION

No	DATE	DES	DRN	APP	PROJECT	DESCRIPTION	NUMBER	TITLE
B	16/09/22	ACE	M.G.	A.W.	GG21	ISSUED FOR CONSTRUCTION		
A	17/05/22	ACE	M.G.	A.W.	GG21	ISSUED FOR REVIEW		
REVISION							REFERENCE DRAWINGS	



87 PEREGRINE WAY, ELWOMPLE SA 5260
4.95 MVA PV & BESS EXPORT SYSTEM
CHAIN WIRE MESH SECURITY FENCE & GATE

DATE: 18/05/22	DES: ACE	DRN: M.G.	APP: A.W.	SCALE: NTS
PROJ No: GG 21	DRG No: GG21-10-003-1			REV B