

PALLAMANA SOLAR FARM

SITE AND LOCALITY

MAP COPYRIGHT OF THE STATE OF SOUTH AUSTRALIA DEPARTMENT OF ENVIRONMENT WATER AND NATURAL RESOURCES 2018.

- LEGEND**
- HOUSE, ASSOCIATED
 - HOUSE, NOT ASSOCIATED
 - POWERLINE 132kV (ELECTRANET)
 - 132kV 40m EASEMENT CORRIDOR
 - 19kV SWER LINE (SA POWER)
 - SWER LINE SETBACK 6m
 - 33kV DISTRIBUTION LINE (SA POWER)
 - SA POWER ASSET SETBACK 10m
 - SUBSTATION (ELECTRANET 2016)
 - OVERGROUND WATER PIPE (SA WATER)
 - UNDERGROUND WATER PIPE (SA WATER)
 - SEAGAS PIPELINE
 - SEAGAS PIPELINE 20m SETBACK
 - NEXTGEN CABLE
 - NEXTGEN CABLE 10m SETBACK
 - OPTIC FIBRE CABLE 5m SETBACK
 - MINOR ROAD
 - SECONDARY ROAD
 - SITE BOUNDARY (779 ha)

NOTE: LAYOUT SHOWN IS SUBJECT TO FINAL DESIGN BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING



INFRAS DWG 03791D1001-02 APPD DATE 15-08-2018
 LAYOUT DWG N/A LAYOUT NO. N/A

DRAWING NUMBER
03791D2102-01

SCALE - 1:20,000 @ A3
 COORDS GDA 1994 MGA Zone 54

PLANNING PERMIT APPLICATION

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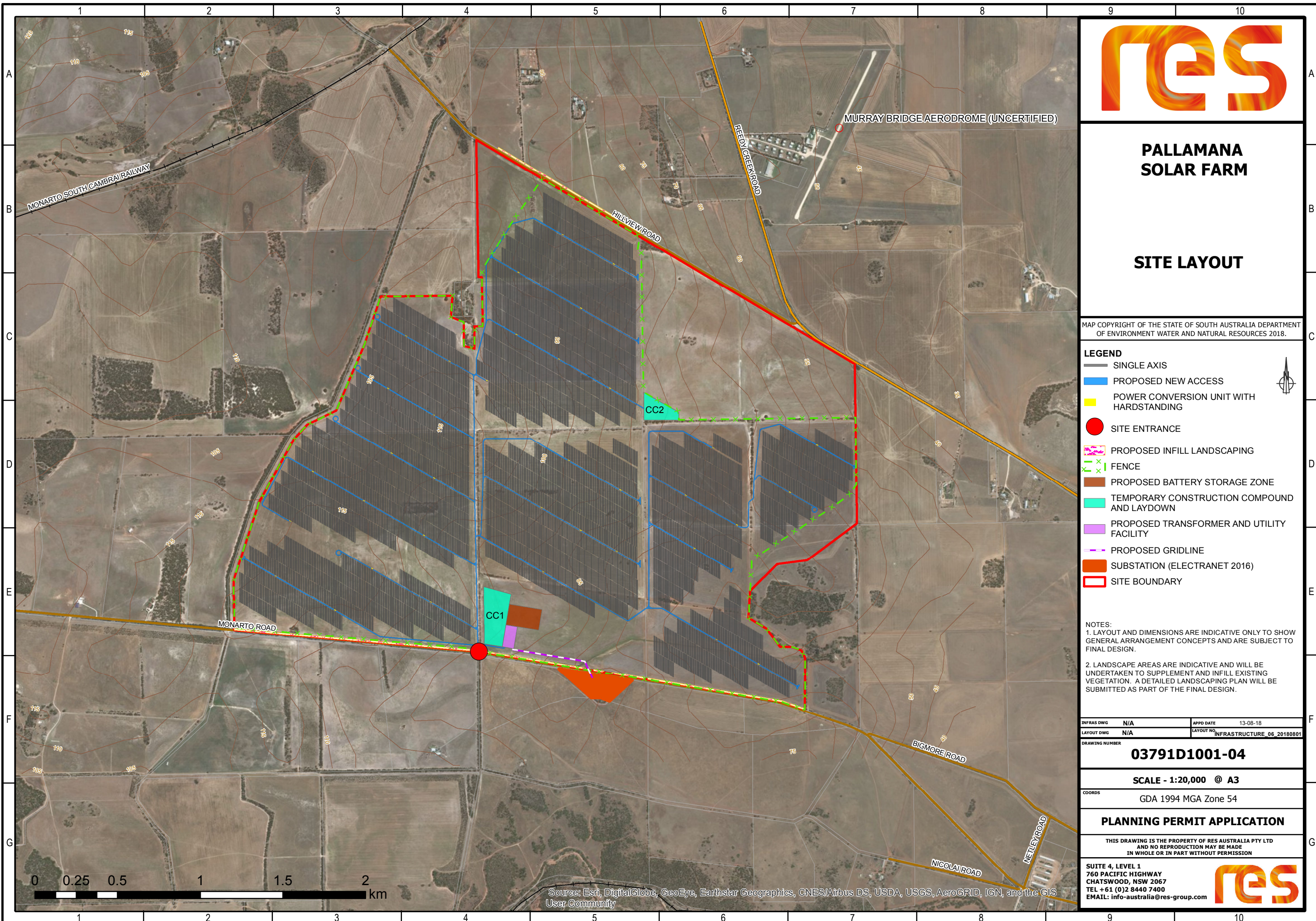
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- ECOLOGY DATA**
- VEGETATION (EBS 20180727)**
- Amentary/planted vegetation
 - Eucalyptus odorata Low Woodland over exotic grass and herbaceous sp.
 - Eucalyptus socialis +/- E. dumosa Mixed Mallee over Chenopod shrubs
 - Eucalyptus socialis, E. dumosa, E. incrassata, E. gracilis Mixed Mallee over exotic grass and herbaceous sp. +/- Melaleuca acuminata / Melaleuca lanceolata.
 - SCATTERED TREES (EBS 20180727)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





PALLAMANA SOLAR FARM

SITE LAYOUT

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LEGEND

- SINGLE AXIS
- PROPOSED NEW ACCESS
- POWER CONVERSION UNIT WITH HARDSTANDING
- SITE ENTRANCE
- PROPOSED INFILL LANDSCAPING
- FENCE
- PROPOSED BATTERY STORAGE ZONE
- TEMPORARY CONSTRUCTION COMPOUND AND LAYDOWN
- PROPOSED TRANSFORMER AND UTILITY FACILITY
- PROPOSED GRIDLINE
- SUBSTATION (ELECTRANET 2016)
- SITE BOUNDARY

NOTES:
 1. LAYOUT AND DIMENSIONS ARE INDICATIVE ONLY TO SHOW GENERAL ARRANGEMENT CONCEPTS AND ARE SUBJECT TO FINAL DESIGN.
 2. LANDSCAPE AREAS ARE INDICATIVE AND WILL BE UNDERTAKEN TO SUPPLEMENT AND INFILL EXISTING VEGETATION. A DETAILED LANDSCAPING PLAN WILL BE SUBMITTED AS PART OF THE FINAL DESIGN.

INFRAS DWG	N/A	APPD DATE	13-08-18
LAYOUT DWG	N/A	LAYOUT NO.	INFRASTRUCTURE_06_20180801

DRAWING NUMBER
03791D1001-04

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PALLAMANA SOLAR FARM

SITE LAYOUT ENLARGEMENT

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LEGEND

- SINGLE AXIS TRACKER
- PROPOSED NEW ACCESS TRACKS
- POWER CONVERSION UNIT WITH HARDSTANDING
- SITE ENTRANCE
- PROPOSED INFILL LANDSCAPING
- FENCE
- PROPOSED BATTERY STORAGE ZONE (REF. TECHNICAL FIGURE 10A)
- TEMPORARY CONSTRUCTION COMPOUND (REF. TECHNICAL FIGURE 3) AND LAYDOWN
- PROPOSED TRANSFORMER AND UTILITY FACILITY (REF. TECHNICAL FIGURE 7)
- PROPOSED GRIDLINE
- SUBSTATION (ELECTRANET 2016)
- SITE BOUNDARY



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INFRAS DWG	N/A	APPD DATE	15-08-2018
LAYOUT DWG	N/A	LAYOUT NO.	INFRASTRUCTURE_06_20180801

DRAWING NUMBER
03791D1002-01

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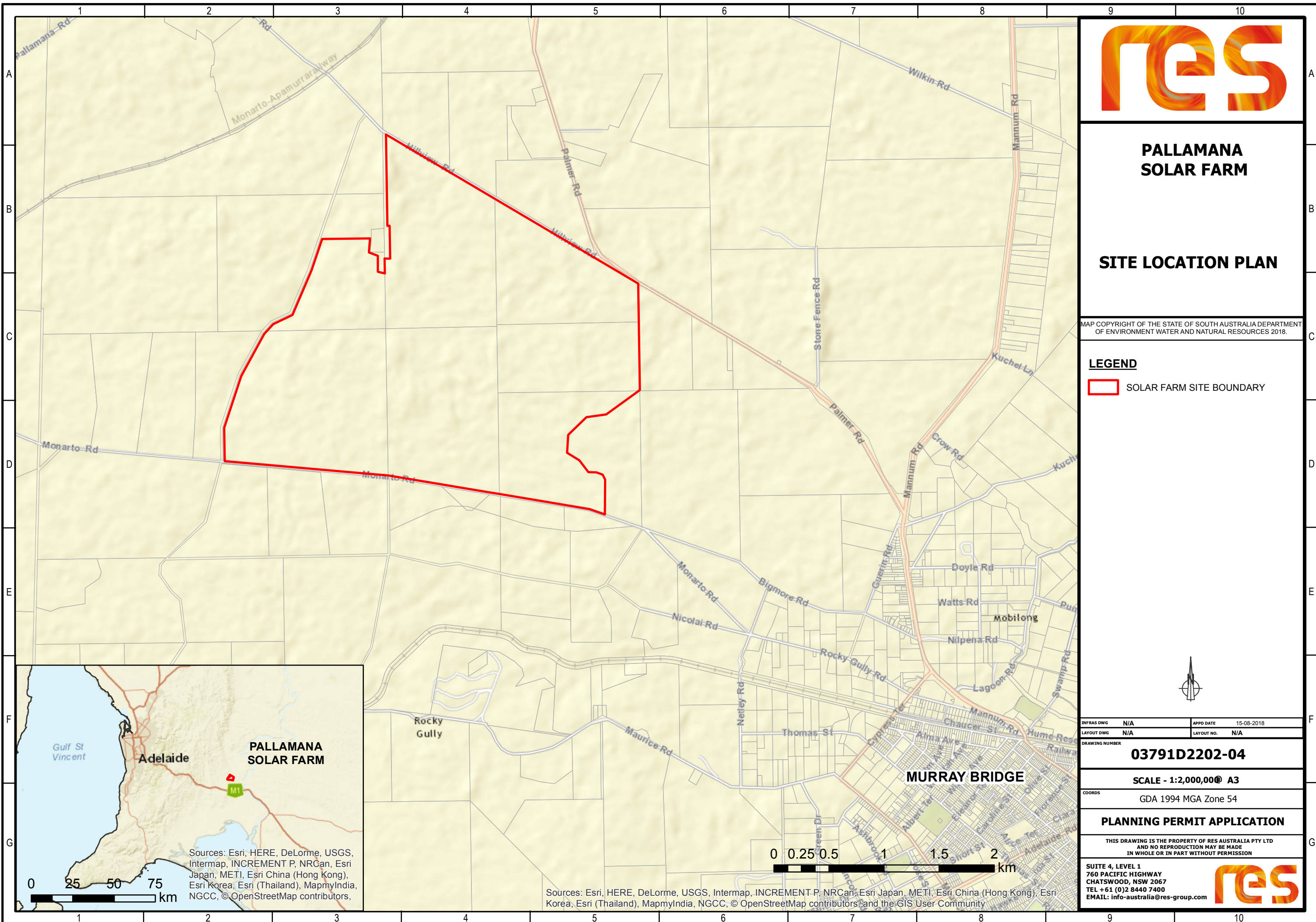
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**PALLAMANA
SOLAR FARM**

SITE LOCATION PLAN

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LEGEND

SOLAR FARM SITE BOUNDARY



INFRAS DWG	N/A	APPD DATE	15-08-2018
LAYOUT DWG	N/A	LAYOUT NO.	N/A

DRAWING NUMBER
03791D2202-04

SCALE - 1:2,000,00@ A3
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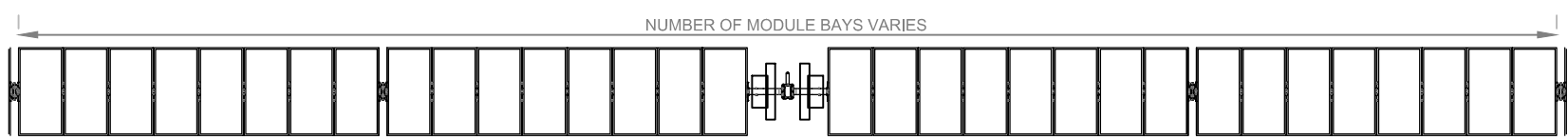
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors,

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors,

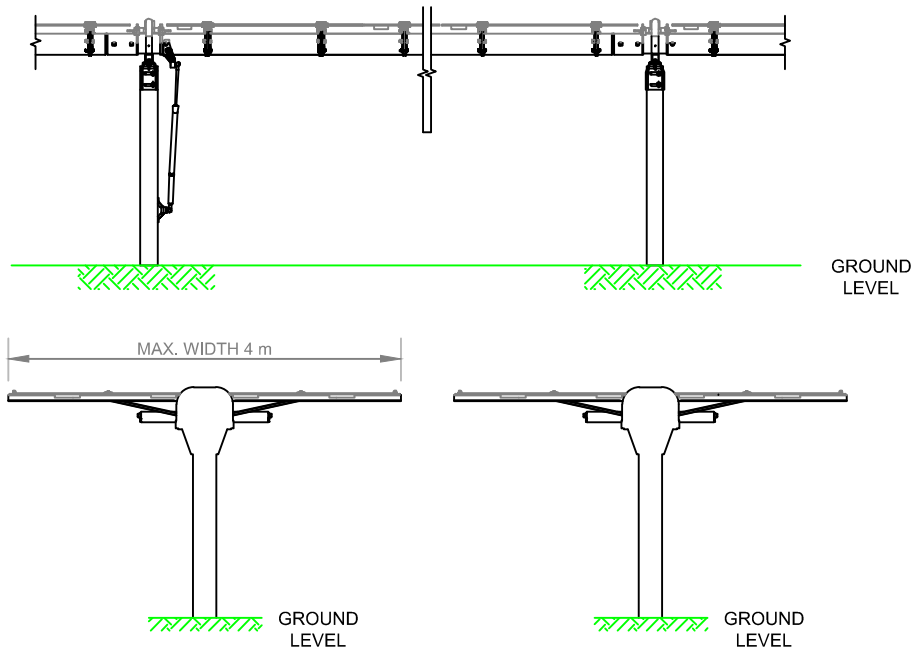
0 25 50 75 km

0 0.25 0.5 1 1.5 2 km

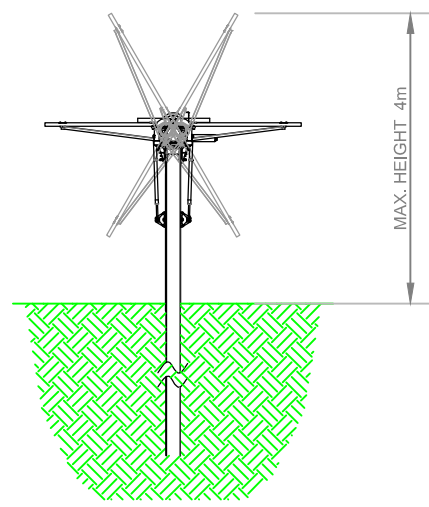
TYPICAL TRACKER ROW



TYPICAL SOLAR ARRAY TABLE
NORTH AND EASTERN ELEVATION



TYPICAL RACKING
MAXIMUM HEIGHT



SOLAR FARM

TECHNICAL FIGURE 1
SINGLE AXIS TRACKER

NOTES:

1. GROUND CLEARANCE WILL VARY AS REQUIRED BY TOPOGRAPHY
2. ROW LENGTH WILL VARY DEPENDING ON ELECTRICAL DESIGN
3. INDICATIVE ROW LENGTH COULD BE UP TO 100
4. PV MODULES COULD BE INSTALLED IN PORTRAIT OR LANDSCAPE. ORIENTATION AND NUMBER WILL DEPEND ON THE MODULE AND TRACKER TYPE
5. THE PILE DEPTH SHALL BE DETERMINED FOLLOWING DETAILED GEOTECHNICAL SITE INVESTIGATION. TYPICALLY UP TO 2.4. PILE HEIGHTS WILL CHANGE TO ACCOMMODATE THE GRADE, SUBJECT TO GEOTECHNICAL DESIGN
6. ACTUATOR TYPE AND LOCATION MAY VARY
7. THE FINAL CONFIGURATION MAY BE SUBJECT TO CHANGE IN THE DETAILED DESIGN PHASE, BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING
8. ACTUATOR TECHNOLOGY SUBJECT TO FINAL DESIGN.

INFRA DWG	N/A	APPD DATE	02/08/2017
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D2206-01

SCALE - N.T.S @A3
COORDS N/A

PLANNING PERMIT APPLICATION

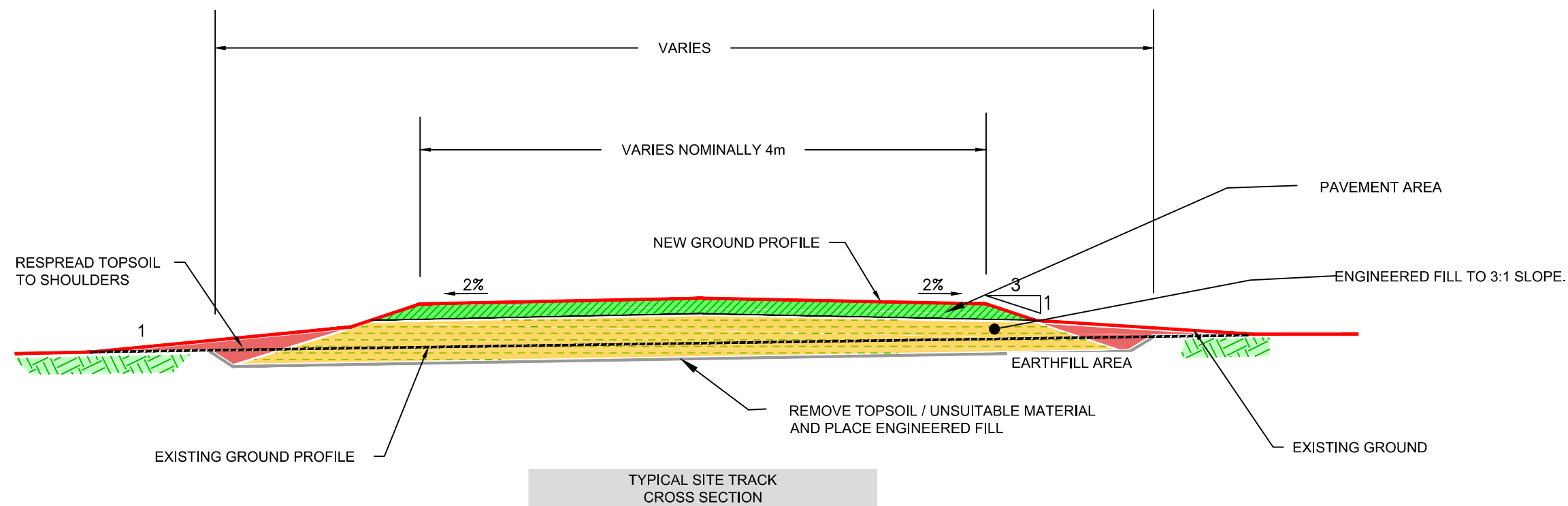
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SOLAR FARM
TECHNICAL FIGURE 2
TYPICAL ACCESS TRACK
TRAC □ DETAIL



LEGEND

- EXISTING GROUND PROFILE
- FINISHED GROUND PROFILE
- ENGINEERED FILL
- CRUSHED STONE PAVEMENT
- EXISTING GROUND
- RESPREAD TOPSOIL

NOTES

GENERAL SITE ROAD DETAILS SHOWN, WHERE POSSIBLE AREAS OF FILL TO BE AVOIDED, ADDITIONAL WIDENING OF TRACK REQUIRED ON CORNERS AND PASSING BAYS TO ACCOMMODATE TRAFFIC.

ADDITIONAL TEMPORARY TRACK WIDENING MAY BE REQUIRED FOR CRANE MOVEMENTS, WIDENED ZONES TO BE REMOVED AT THE DISCRETION OF THE REGULATING AUTHORITY.

TRACK WIDTH WIDENED LOCALLY TO PROVIDE PASSING BAYS □ TURNING HEADS.

ALL MEASUREMENTS ARE INDICATIVE BUT FINAL DESIGN WILL BE CONSISTENT WITH WHAT IS SHOWN.

INFRA DWG	N/A	APPD DATE	02-08-2017
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D3 □ 01-03

SCALE - N.T.S

COORDS N/A

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SOLAR FARM

TECHNICAL FIGURE 3 TYPICAL TEMPORARY CONSTRUCTION COMPOUND

LEGEND

OPTIONAL SECURITY FENCE

NOTES

- LAYOUT AND DIMENSIONS ARE INDICATIVE ONLY TO SHOW GENERAL ARRANGEMENT CONCEPTS AND ARE SUBJECT TO FINAL DESIGN.
- STRUCTURE TO BE TEMPORARY AND TO BE REMOVED AFTER CONSTRUCTION.
- COMPOUND HARDSTANDING, CONSISTING OF COMPACTED STONE TO PROVIDE A CLEAN, FIRM, LEVEL AND FREE DRAINING SURFACE SUITABLE FOR CABINS AND HEAVY TRAFFIC.
- TREATMENT OF OIL SEPARATION OF OILS AND TREATMENT OF WASTEWATER TO ACCORD WITH EPA AND/OR COUNCIL REQUIREMENTS.
- VEHICULAR GATES EXPECTED TO BE 6M WIDE CONSISTING OF 2-3 LEAVES.
- COMPOUND EQUIPMENT AND FACILITIES ARE INDICATIVE, BUT SHALL BE CONSTRUCTED ACCORDING TO THE PRINCIPLES NOTED ON THIS PLAN AND AS PER THE APPROVED MANAGEMENT PLANS.
- FOR INDICATIVE LOCATION OF SATELLITE CONSTRUCTION COMPOUNDS REFER TO THE INFRASTRUCTURE DRAWING.

INFRA DWG	N/A	APPD DATE	16-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D3-02-03

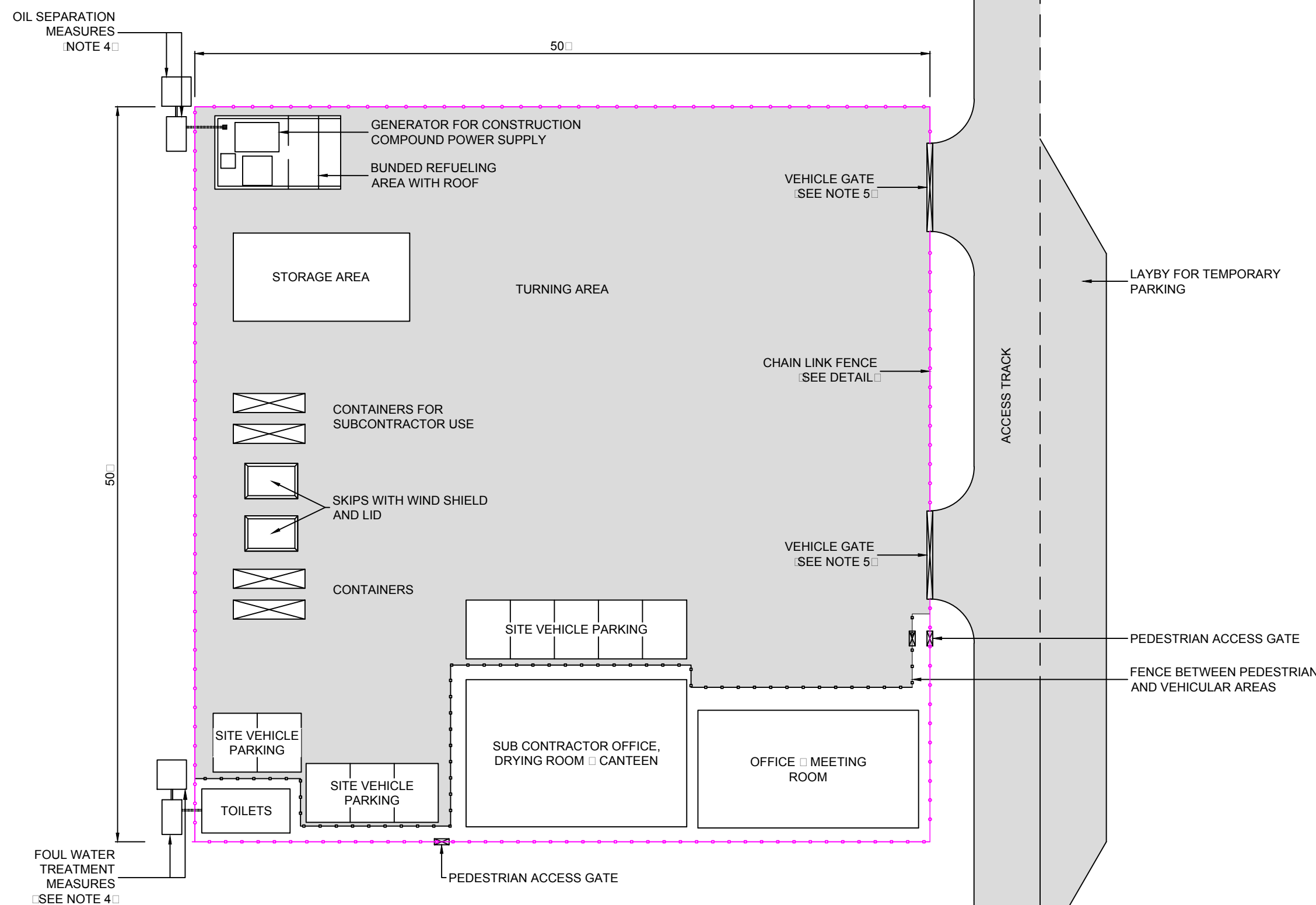
SCALE - N.T.S A3

COORDS N/A

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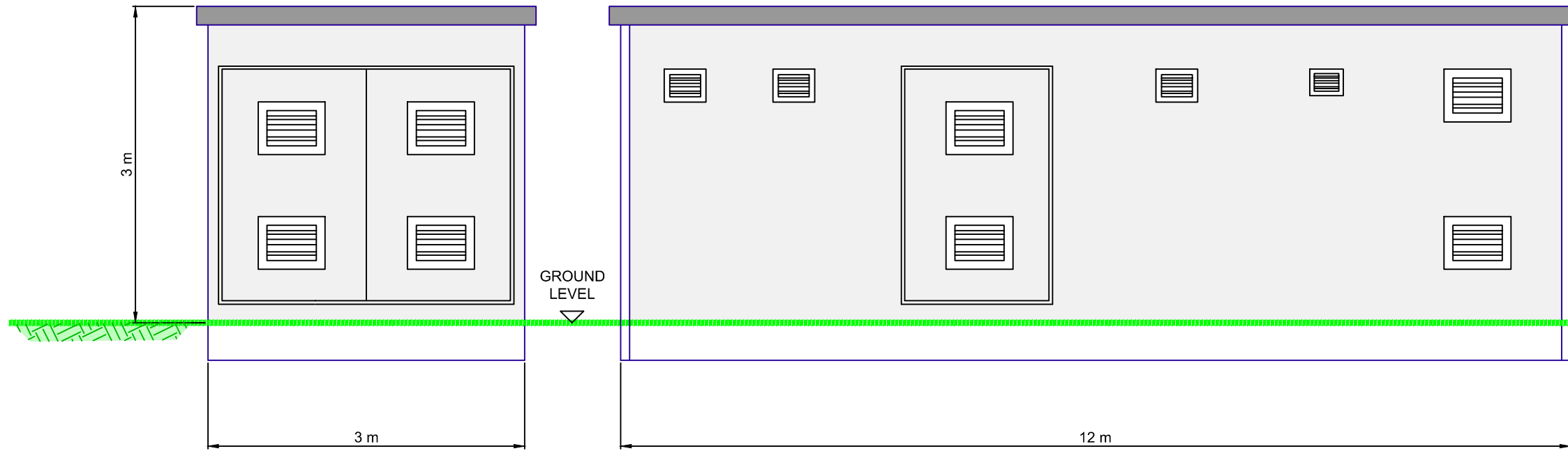
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PLAN
SCALE 1:300

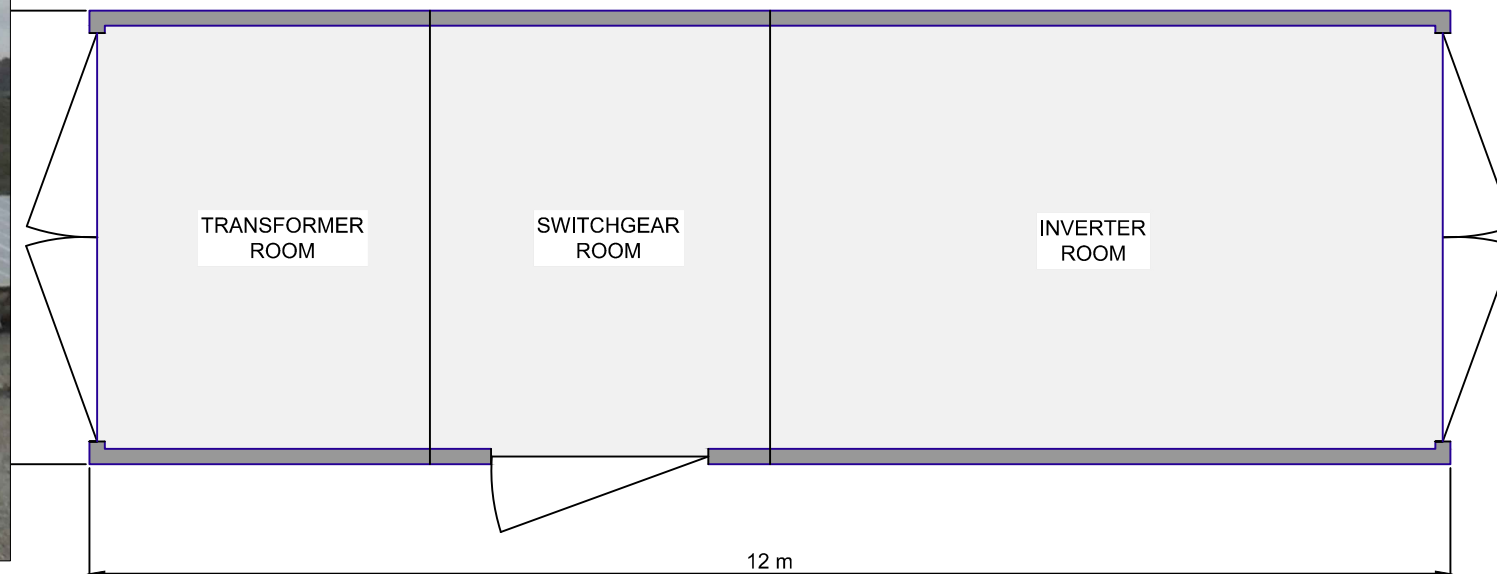


SOLAR FARM
TECHNICAL FIGURE 4
TYPICAL POWER
CONVERSION UNIT - PCU



END ELEVATION

SIDE ELEVATION



PLAN

NOTES:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN, BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING.
2. ROOM AND DOOR POSITIONS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.
3. APPROXIMATE FINISHED FLOOR LEVEL 300mm ABOVE EXISTING GROUND.
4. FINISHES WILL NOT UNDULY CONTRAST WITH SURROUNDINGS.

INFRA DWG	N/A	APPD DATE	03-08-18
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4001-03

SCALE - N.T.S A3

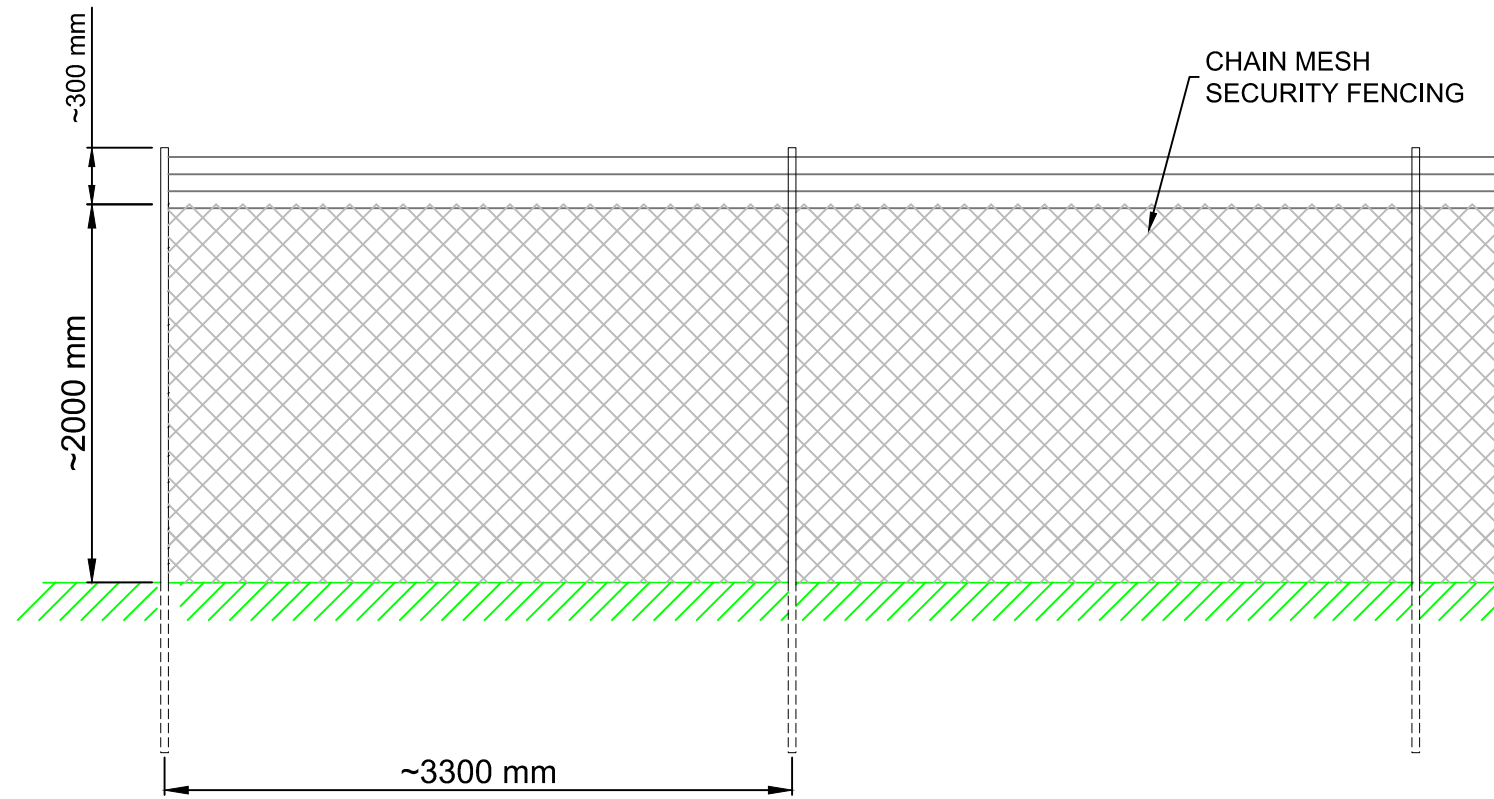
COORDS N/A

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SOLAR FARM

TECHNICAL FIGURE □

TYPICAL FENCE DETAIL

NOTES:

1. DIMENSIONS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN, BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING □
2. SECURITY FENCE TO BE INSTALLED IF REQUIRED BY INSURERS.

INFRA DWG	N/A	APPD DATE	01-08-18
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER **03707D2204-03**

SCALE - N.T.S **A3**

COORDS N/A

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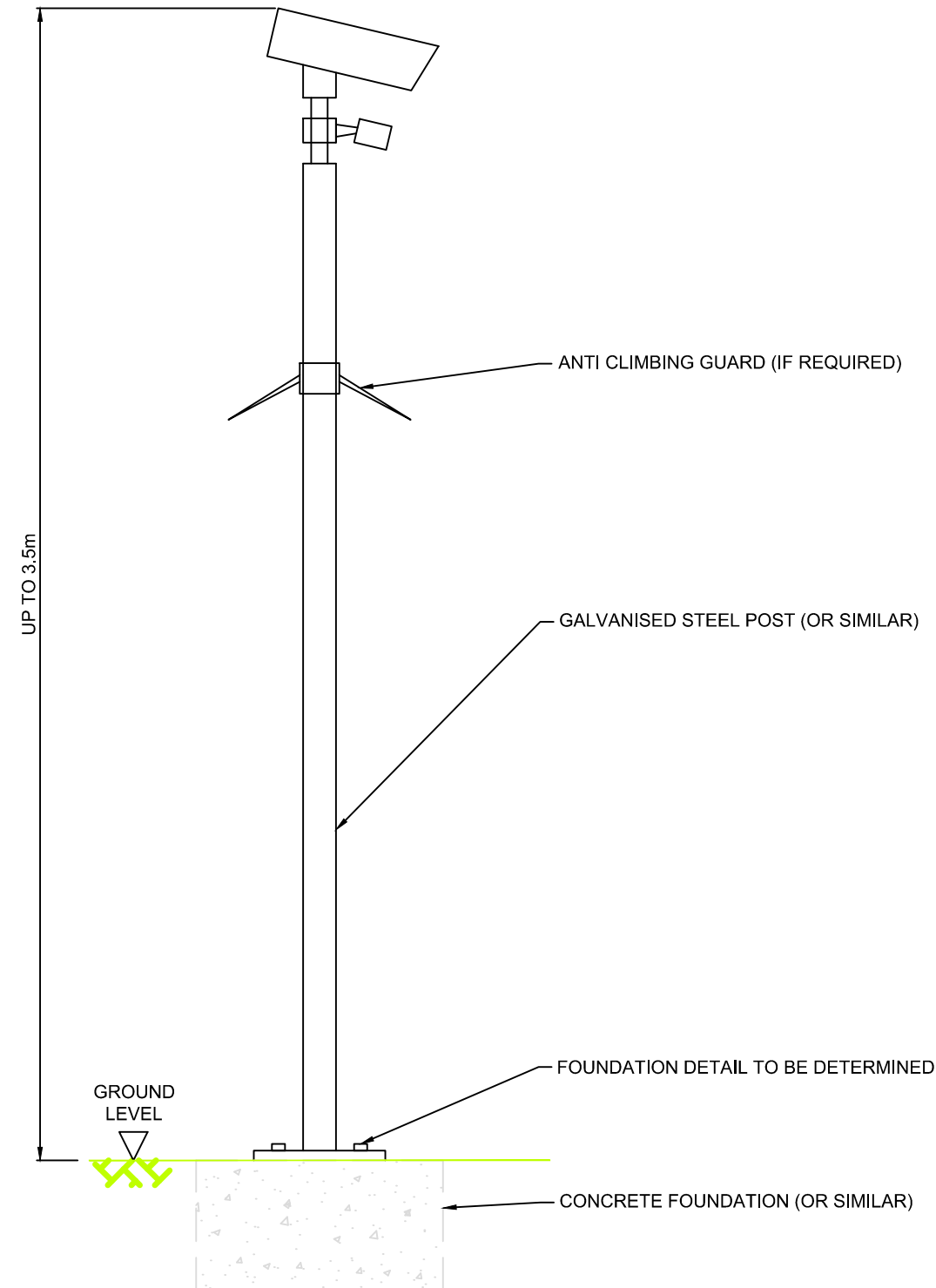
SOLAR FARM

TECHNICAL FIGURE 6

TYPICAL SECURITY LIGHTING & CCTV SUPPORT DETAILS

NOTES:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN, BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING.
2. SECURITY LIGHTING MAY BE INFRARED.
3. LIGHTING AND CCTV SUPPORTS TO BE LOCATED ADJACENT TO SECURITY FENCING.
4. CAMERAS MAY BE INSTALLED WITH PAN FUNCTION.
5. TO BE INSTALLED IF REQUIRED BY INSURERS.



INFRA DWG	N/A	APPD DATE	23-07-18
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D2201-03

SCALE - N.T.S. A3

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GENERAL ARRANGEMENT



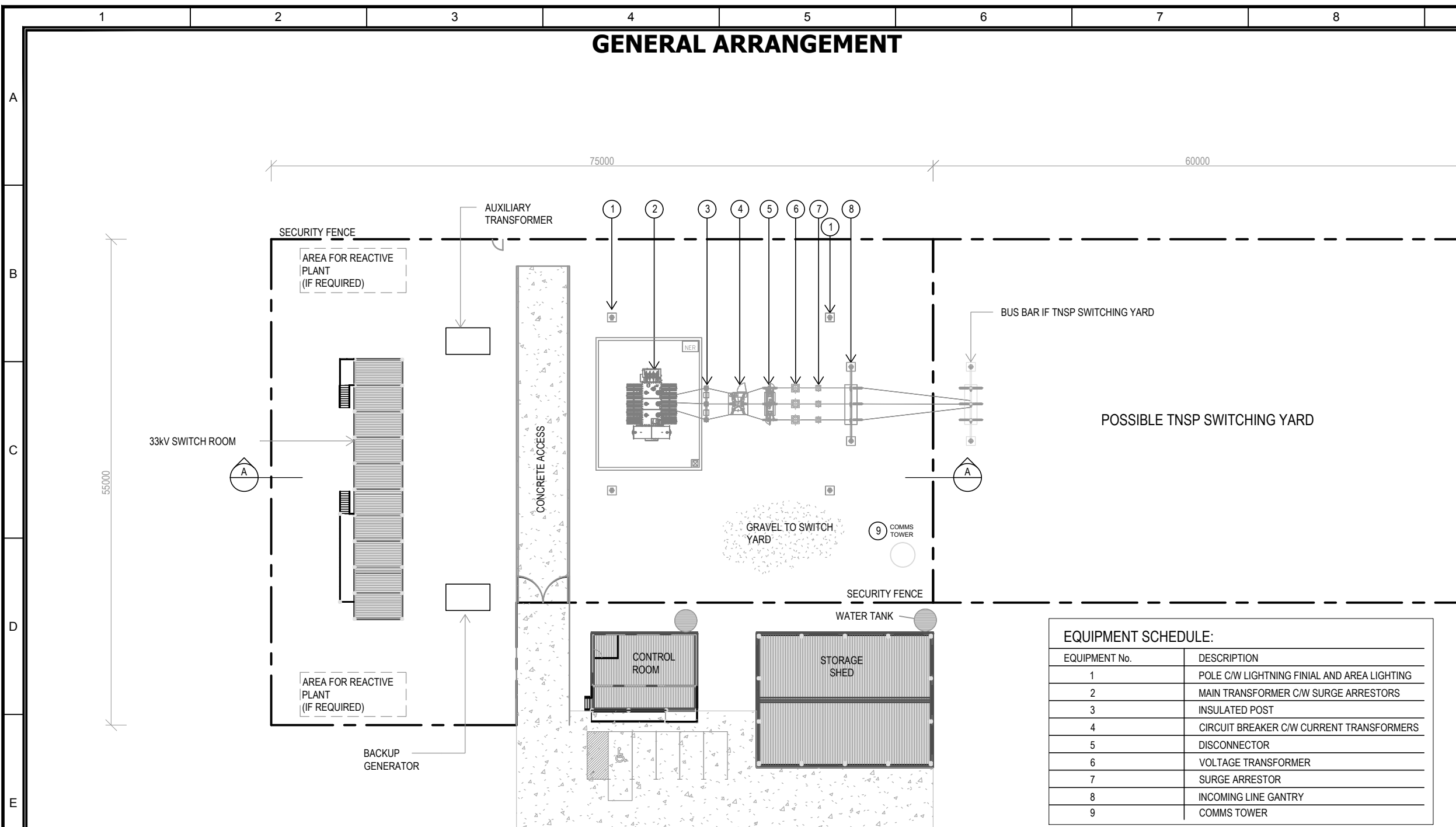
SOLAR FARM

TECHNICAL FIGURE 7

INDICATIVE UTILITY FACILITY LAYOUT SINGLE TRANSFORMER

NOTES:

1. INFRASTRUCTURE TO CONFORM TO AUSTRALIAN STANDARDS, BCA/NCC AND LOCAL GOVERNMENT REGULATIONS;
2. LAYOUT AND DIMENSION ARE INDICATIVE ONLY - SUBJECT TO DETAILED DESIGN AND NOT FOR CONSTRUCTION;
3. DIMENSION ARE IN MILLIMETRES;
4. LAYOUT AS SHOWN SUITED FOR $\leq 132\text{kV}$;
5. COMMS TOWER DESIGN TO BE FINALISED THROUGH DISCUSSION WITH NETWORK PROVIDER.



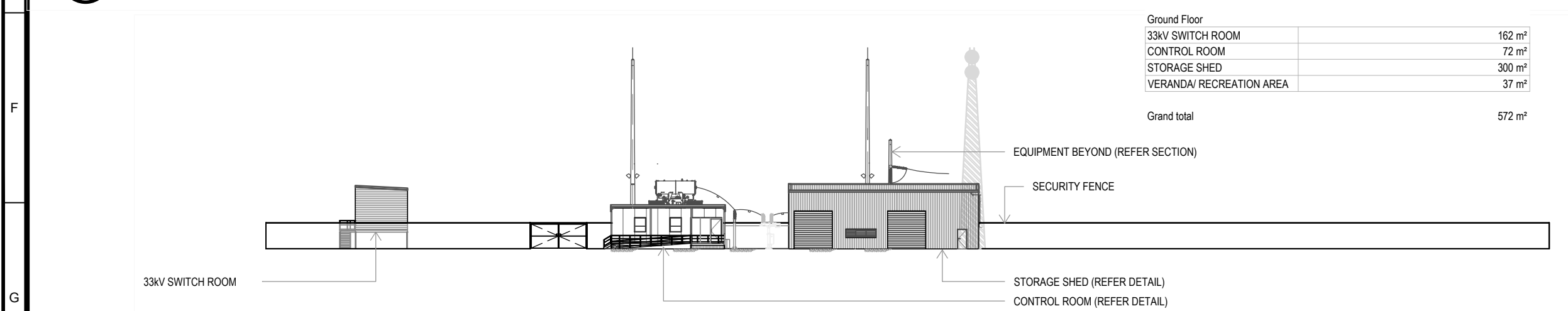
EQUIPMENT SCHEDULE:

EQUIPMENT No.	DESCRIPTION
1	POLE C/W LIGHTNING FINIAL AND AREA LIGHTING
2	MAIN TRANSFORMER C/W SURGE ARRESTORS
3	INSULATED POST
4	CIRCUIT BREAKER C/W CURRENT TRANSFORMERS
5	DISCONNECTOR
6	VOLTAGE TRANSFORMER
7	SURGE ARRESTOR
8	INCOMING LINE GANTRY
9	COMMS TOWER

BUILDING AREA (GROSS)

Ground Floor	
33kV SWITCH ROOM	162 m ²
CONTROL ROOM	72 m ²
STORAGE SHED	300 m ²
VERANDA/ RECREATION AREA	37 m ²
Grand total	572 m²

1 SITE PLAN



2 ELEVATION

INFRA DWG	N/A	APPD DATE	08-02-2017
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4004-01

SCALE - N.T.S. **A3**

COORDS
N/A

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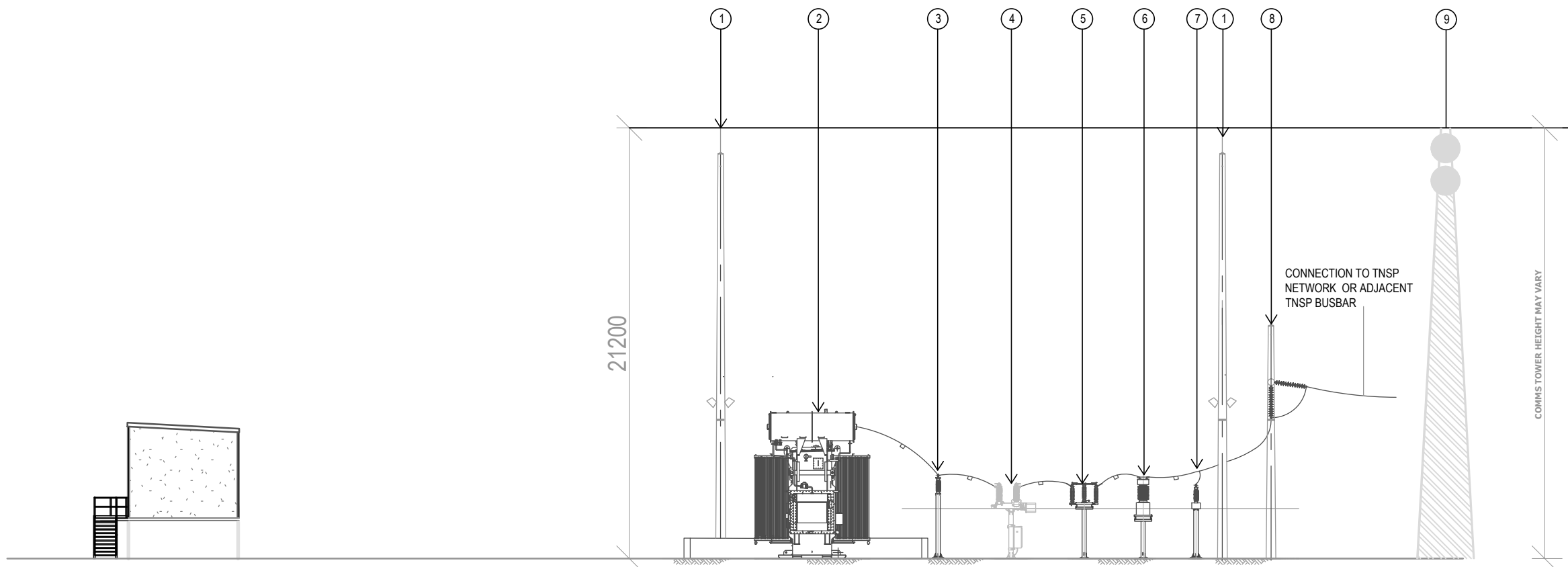
GENERAL ARRANGEMENT SECTION



SOLAR FARM

TECHNICAL FIGURE 7

INDICATIVE UTILITY FACILITY LAYOUT SINGLE TRANSFORMER



NOTES:

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3. DIMENSION ARE IN MILLIMETRES;
4. LAYOUT AS SHOWN SUITED FOR $\leq 132\text{kV}$;
5. COMMS TOWER DESIGN TO BE FINALISED THROUGH DISCUSSION WITH NETWORK PROVIDER.

A SECTION

EQUIPMENT SCHEDULE:

EQUIPMENT No.	DESCRIPTION
1	POLE C/W LIGHTNING FINIAL AND AREA LIGHTING
2	MAIN TRANSFORMER C/W SURGE ARRESTORS
3	INSULATED POST
4	CIRCUIT BREAKER C/W CURRENT TRANSFORMERS
5	DISCONNECTOR
6	VOLTAGE TRANSFORMER
7	SURGE ARRESTOR
8	INCOMING LINE GANTRY
9	COMMS TOWER

PAGE 2 OF 2

INFRA DWG	N/A	APPD DATE	08-02-2017
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4004-01

SCALE - N.T.S A3

COORDS N/A

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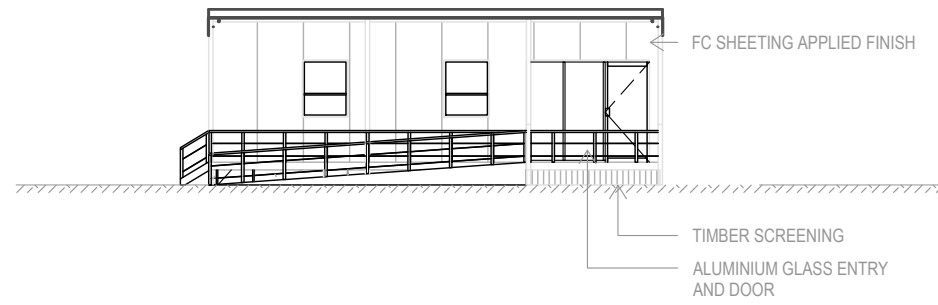
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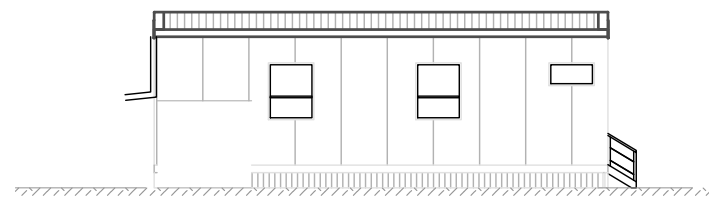
CONTROL ROOM LAYOUT



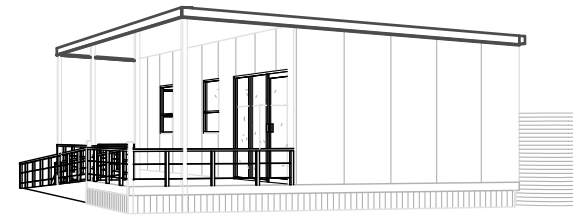
1 GROUND FLOOR PLAN



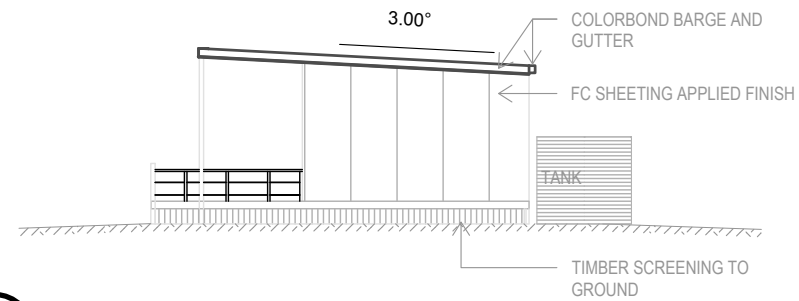
3 NORTH ELEVATION



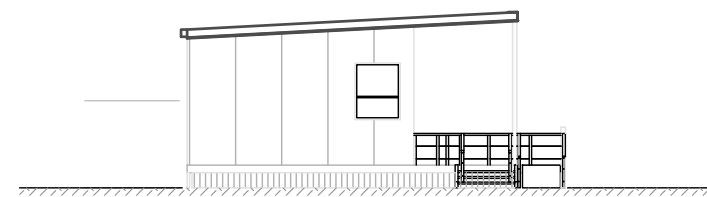
4 SOUTH ELEVATION



6 PERSPECTIVE



2 WEST ELEVATION



5 EAST ELEVATION



SOLAR FARM

TECHNICAL FIGURE 8 TYPICAL CONTROL ROOM

ROOM SCHEDULE

NAME	FLOOR FINISH	AREA
GROUND FLOOR		
CONTROL ROOM	VINYL	60 m ²
PWD	VINYL	7 m ²
VERANDA/ RECREATION AREA	TIMBER DECK APPLIED FINISH	36 m ²
Grand total		103 m ²

NOTES:

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- DIMENSION ARE IN MILLIMETRES;
- LAYOUT AS SHOWN SUITED FOR $\leq 132\text{kV}$;
- FINISHES WILL NOT UNDULY CONTRAST WITH SURROUNDINGS.

PAGE 1 OF 2

INFRA DWG	N/A	APPD DATE	03-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4003-01

SCALE - N.T.S. @A3

COORDS N/A

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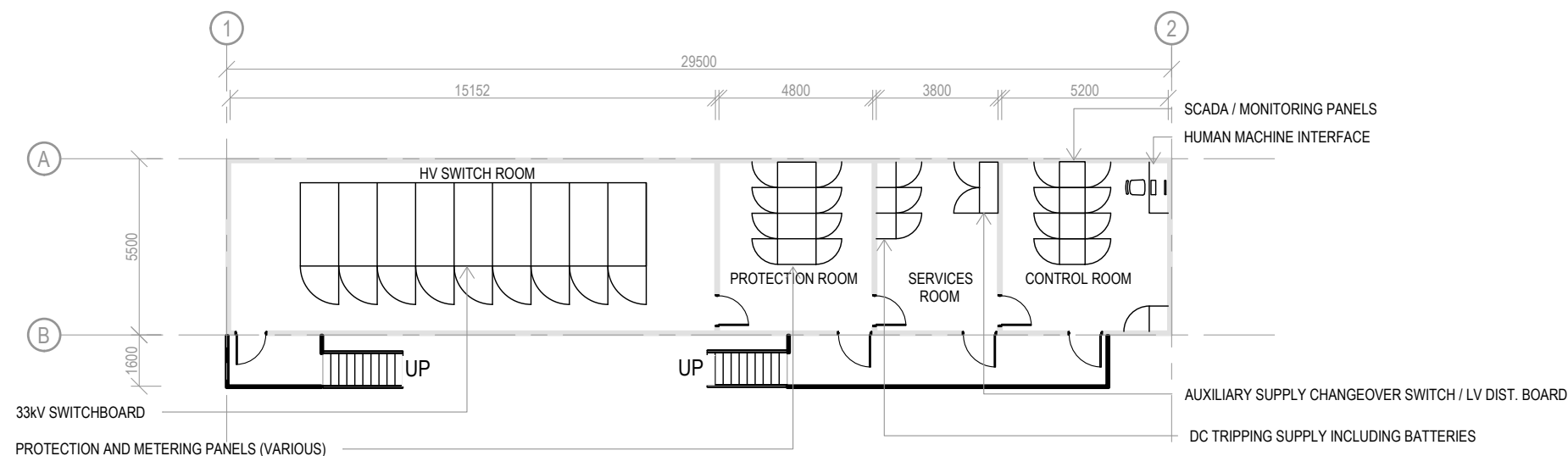


SWITCHROOM DETAIL



SOLAR FARM

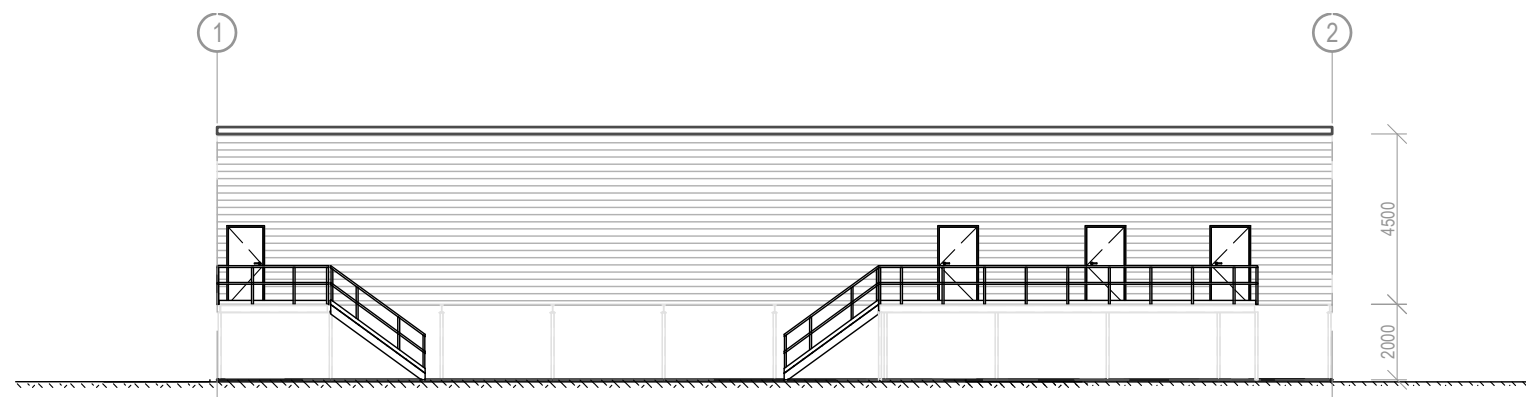
TECHNICAL FIGURE 8 TYPICAL CONTROL ROOM



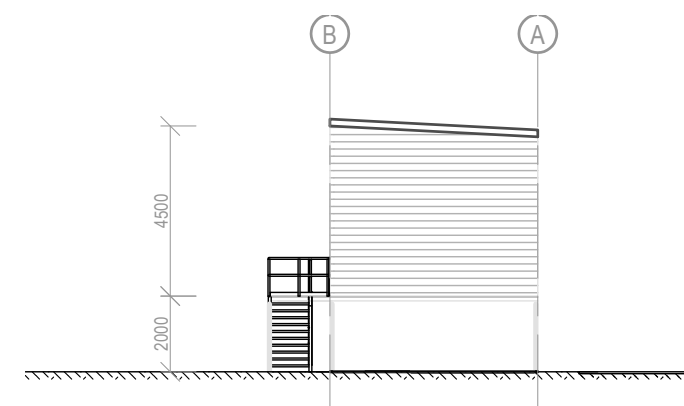
NOTES:

1. INFRASTRUCTURE TO CONFORM TO AUSTRALIAN STANDARDS, BCA/NCC AND LOCAL GOVERNMENT REGULATIONS;
2. LAYOUT AND DIMENSION ARE INDICATIVE ONLY - SUBJECT TO DETAILED DESIGN AND NOT FOR CONSTRUCTION, BUT WILL BE GENERALLY IN ACCORDANCE WITH THIS DRAWING;
3. DIMENSION ARE IN MILLIMETRES;
4. LAYOUT AS SHOWN SUITED FOR $\leq 132\text{kV}$;
5. FINISHES WILL NOT UNDULY CONTRAST WITH SURROUNDINGS;
6. COMMS TOWER DESIGN TO BE FINALISED THROUGH DISCUSSION WITH NETWORK PROVIDER.

1 FLOOR PLAN



2 ELEVATION



3 ELEVATION

PAGE 2 OF 2

INFRA DWG	N/A	APPD DATE	03-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4003-01

SCALE - N.T.S. @A3

COORDS N/A

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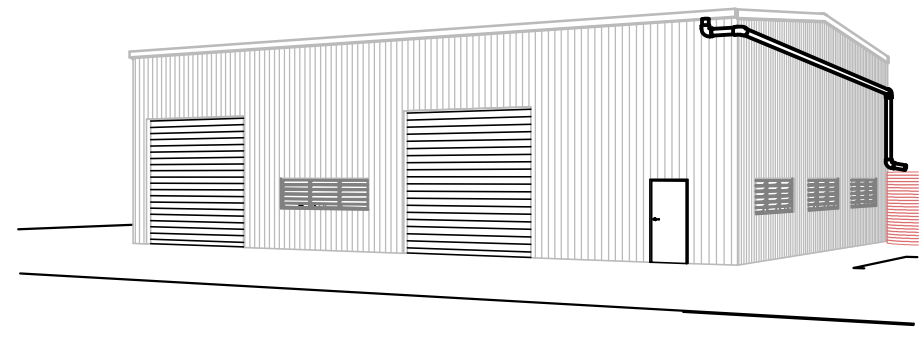
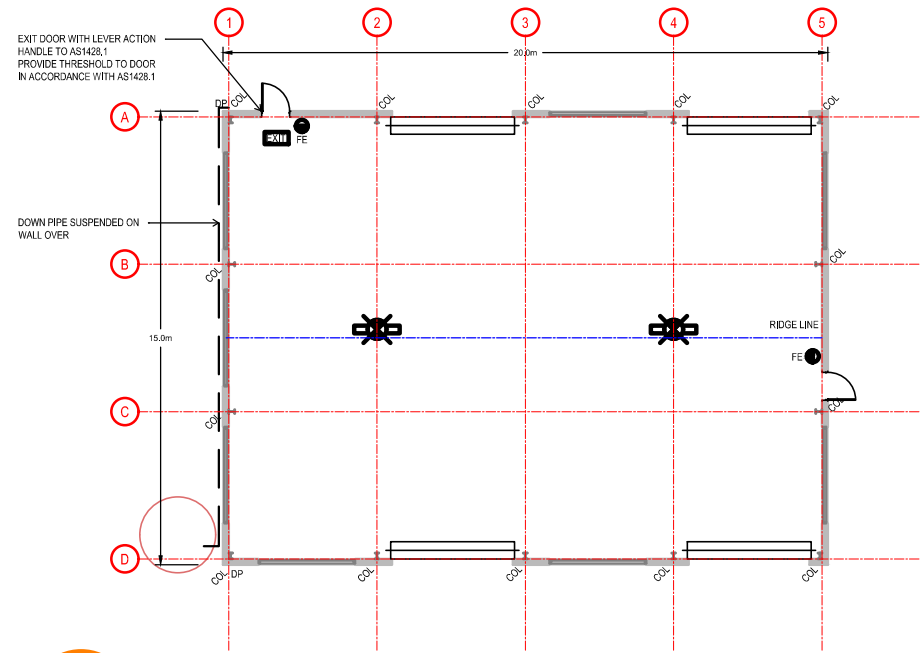
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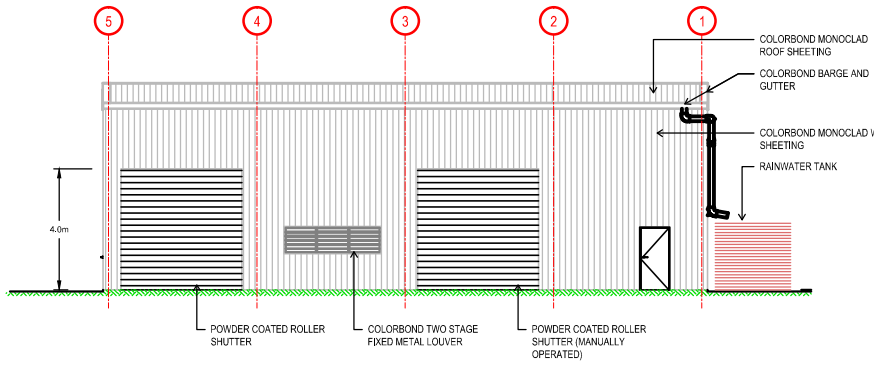
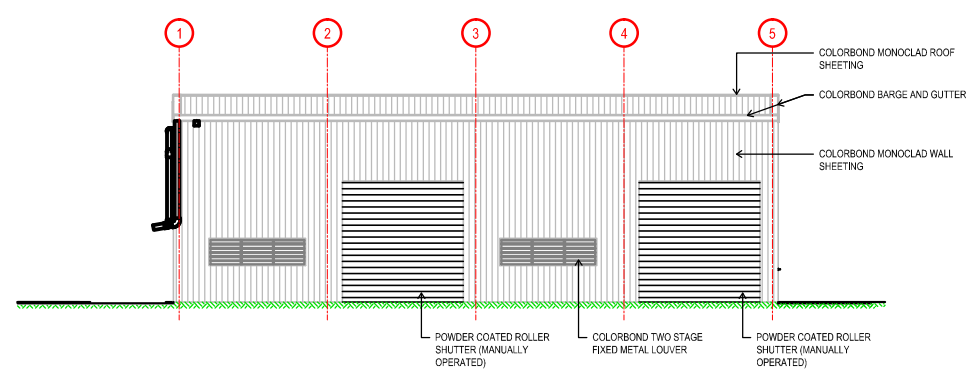
SOLAR FARM
TECHNICAL FIGURE 9
TYPICAL STORAGE SHED

NOTES
 LAYOUTS AND DIMENSIONS ARE INDICATIVE ONLY TO SHOW GENERAL ARRANGEMENT CONCEPTS AND ALL DETAILS ARE SUBJECT TO FINAL DESIGN.



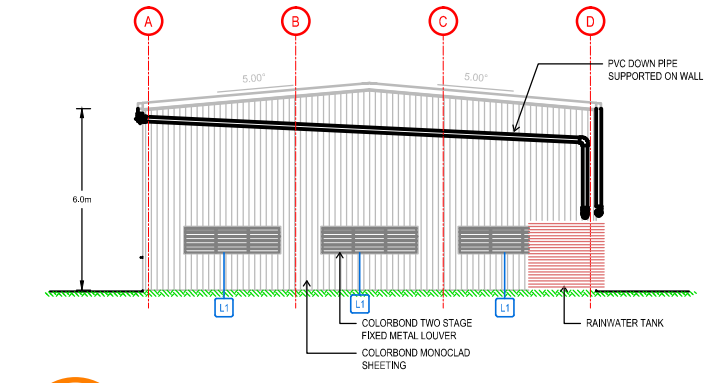
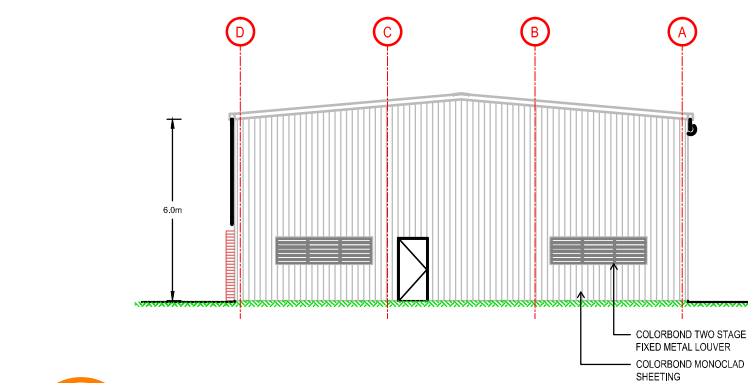
1 STORAGE SHED FLOOR PLAN

**PERSPECTIVE
 3D STORAGE SHED**



S STORAGE SHED SOUTHERN ELEVATION

N STORAGE SHED NORTH ELEVATION



E STORAGE SHED EASTERN ELEVATION

W STORAGE SHED WESTERN ELEVATION

LEGEND - FLOOR PLAN

- PROPOSED WALL
REFER WALL SCHEDULE FOR TYPE
- CIRCULATION SPACE TO AS1428.1-2009
- MIN. 920 DOOR TO AS1428.1-2009
(MIN. 850 CLEAR)
- WALL
- CIRCULATION SPACE TO AS1428.1-2009
- FHR 38mm x 18mm ID FIRE HOSE REEL INSTALLED IN ACCORDANCE WITH AS2441
- FE 4.5kg (4A-60B/E) DRY CHEMICAL FIRE EXTINGUISHER INSTALLED IN ACCORDANCE WITH AS2444-1990
- BOLLARD REFER SLAB DETAILS FOR BOLLARD DETAILS
- DOWNPIPE REFER STORMWATER PLAN FOR SIZE
- WALL TAG, REFER WALL SCHEDULE FOR WALL TYPE, INSULATION AND FINISH
- DOOR TAG, REFER DOOR SCHEDULE FOR DETAILS
- WINDOW TAG, REFER WINDOW SCHEDULE FOR DETAILS
- CURTAIN WALL TAG, REFER NON-STANDARD WINDOW SCHEDULE FOR DESCRIPTION, REFER ELEVATIONS AND PLAN FOR MULLION SETOUT

NOTES:

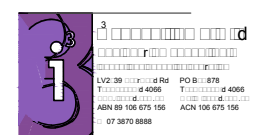
1. ROLLER DOORS TO BE DESIGNED TO MEET PRESSURE CAPACITY REQUIREMENTS OF THE REGION
2. DISABILITY ACCESS TO COMPLY WITH AS1428.1 INCLUDING A MAXIMUM THRESHOLD OF 5mm AND CARPARK GRADES TO BE A MAXIMUM OF 1 IN 40 (2.5%) FROM DISABILITY CARPARK TO BUILDING.
3. CONCRETE TILT PANELS TO COMPLY WITH BCA CL 1.11.
4. REFER GENERAL NOTES ON 001 FOR FURTHER NOTES AND ABBREVIATIONS
5. REFER TO THE SCHEDULE OF FIXTURES AND FINISHES FOR SPECIFICATIONS

EMERGENCY LIGHTING SCHEDULE

SYMBOL	CO	CSO	HEIGHT	DESCRIPTION
	D50	C50	5000	STANILITE ECBT136M, MAINTAINED 36W SINGLE, BARE BATTEN
	D25	D25	2700	STANILITE ESFLD
	E2.5	E2.5	2400	STANILITE EELD 10W MAINTAINED, SINGLE SIDE

TO COMPLY WITH AS2293.1-2005 AND B.C.A. PART 4.

BASED ON I³ DRAWINGS



INFRA DWG	N/A	APPD DATE	03-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D3 03-01

SCALE - N.T.S @A3

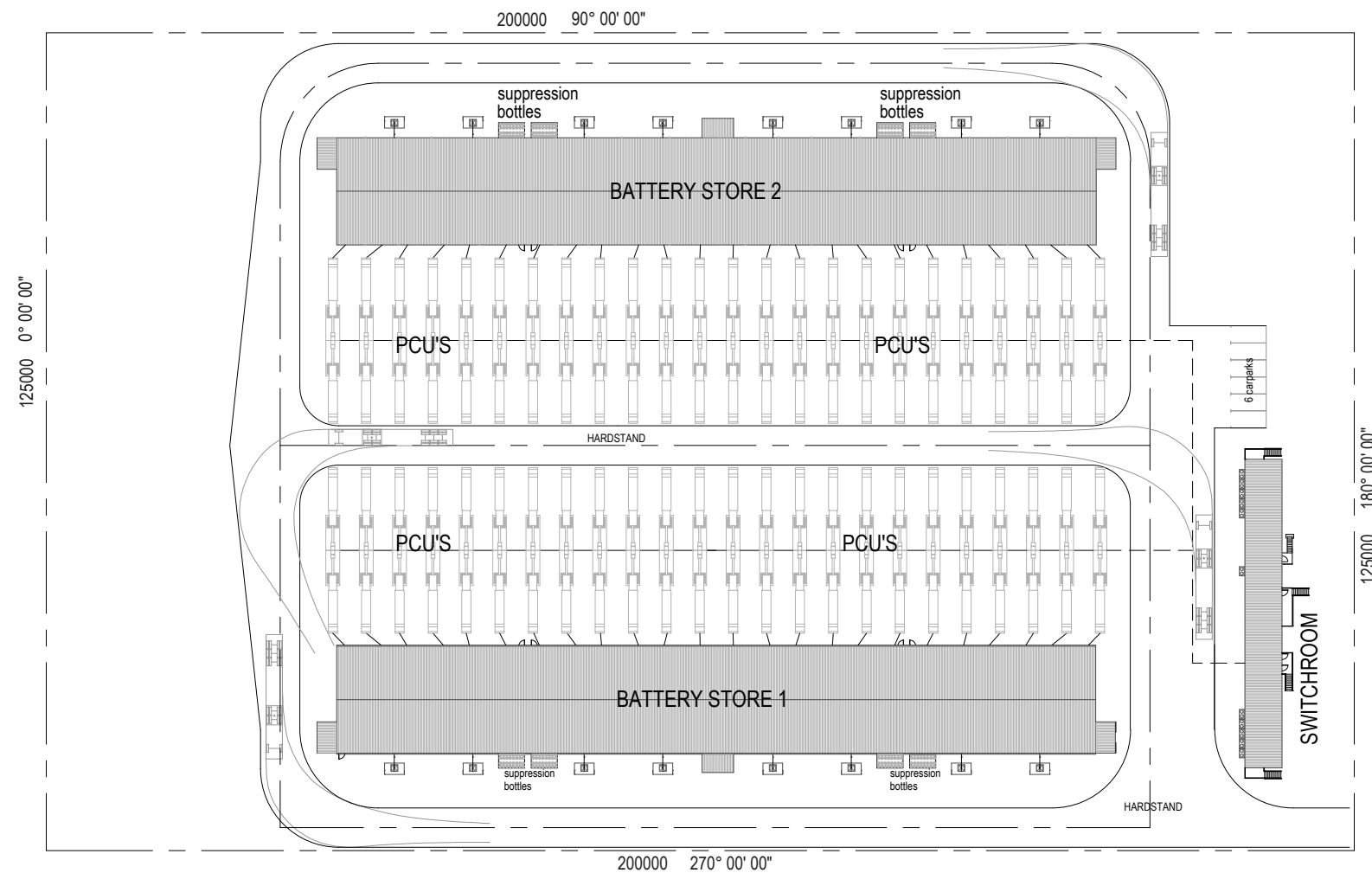
COORDS
 N/A

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1 SITE PLAN

NOTES:

- THIS PLAN IS A DEVELOPMENT APPROVAL ONLY AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- INFRASTRUCTURE TO CONFORM TO AUSTRALIAN STANDARDS, BCANCC AND LOCAL GOVERNMENT REGULATIONS.
- LAYOUT AND DIMENSIONS ARE INDICATIVE ONLY TO SHOW GENERAL ARRANGEMENT CONCEPTS AND ARE SUBJECT TO FINAL DESIGN.
- THE SITE BOUNDARIES ARE ARBITRARY AND NEED TO BE INCORPORATED INTO THE OVERALL SITE LAYOUT IN DETAIL DESIGN.
- EXISTING INFRASTRUCTURE SERVICES HAVE NOT BEEN INCORPORATED INTO THE PLAN. PRIOR TO THE CONCEPT BEING COMPLETED ALL UNDERGROUND SERVICES ARE TO BE SURVEYED OR IDENTIFIED BY OTHER MEANS.
- A DETAILED SURVEY OR FINISHED SURFACE LEVELS HAS NOT BEEN INCORPORATED INTO THESE DRAWINGS AND THEREFORE MUST BE CONSIDERED DURING DETAILED DESIGN.
- THE ARRANGEMENT OF THE INTERNAL BUILDING, ASSOCIATED SERVICES AND INVERTORS WILL BE FURTHER DEVELOPED IN DETAIL DESIGN.

SERVICES:

- WATER SERVICES WILL BE REQUIRED FOR THE AMENITIES IN THE SWITCHROOM.
- FENCING IS TO BE PROVIDED AROUND THE PERIMETER OF THE BUILDING AREA.
- HARDSTAND SUITABLE FOR DESIGN VEHICLES WILL BE PROVIDED WITHIN THE BUILDING AREA.
- APPROPRIATE DRAINAGE WILL BE PROVIDED FOR THE RUNOFF OF WATER IN THIS AREA.
- SEWERAGE TREATMENT WILL BE PROVIDED AS NECESSARY TO MEET THE LOCAL AUTHORITY REGULATIONS AND ENVIRONMENTAL REQUIREMENTS.



PALLAMANA SOLAR FARM

TECHNICAL FIGURE 10A

STORAGE BUILDING SITE PLAN

LEGEND:

BCP BATTERY COMBINER PANEL
PCU INVERTER, TRANSFORMER COMBINATION

SITE SCHEDULE

BUILDING SITE AREA	25000 m ²
--------------------	----------------------

BUILDING AREA (GROSS)

Ground Floor	
BATTERY STORE BUILDING 1	1897 m ²
BATTERY STORE BUILDING 2	1899 m ²
Switchroom	3796 m ²

Switchroom	268 m ²
SWITCHROOM	268 m ²
Grand total	4064 m ²

CARPARKING SCHEDULE

Total Carparks	6
----------------	---

INFRA DWG	N/A	APPD DATE	14-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER **03791D3403-01**

SCALE - N.T.S. @A3

COORDS N/A

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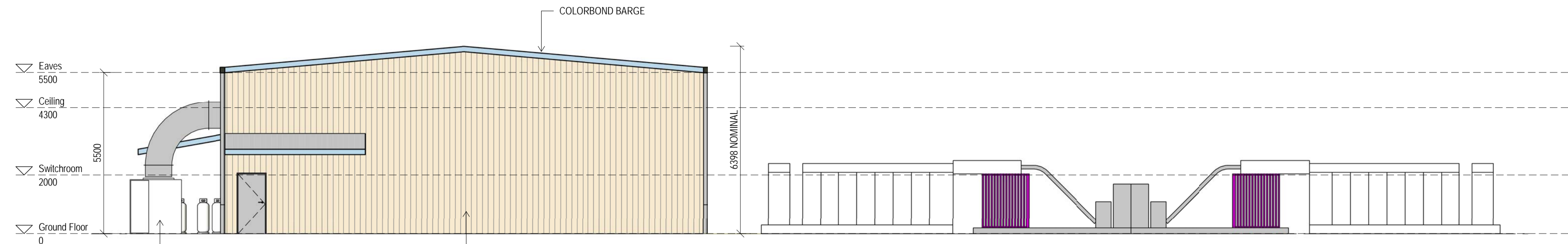




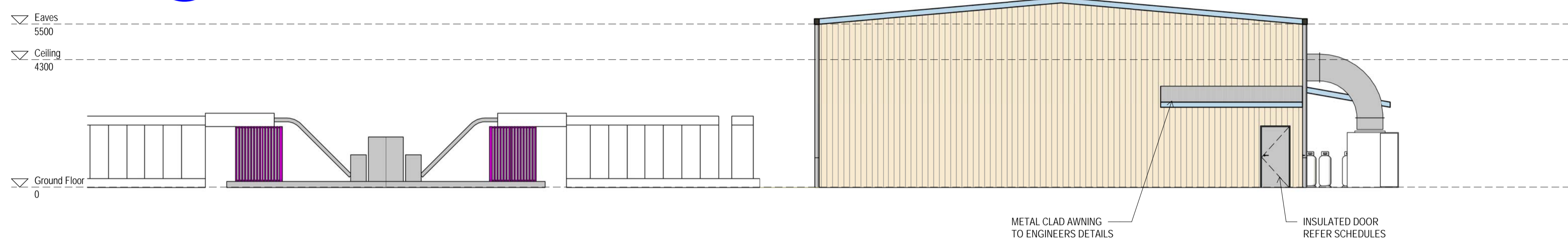
PALLAMANA SOLAR FARM

TECHNICAL FIGURE 10B

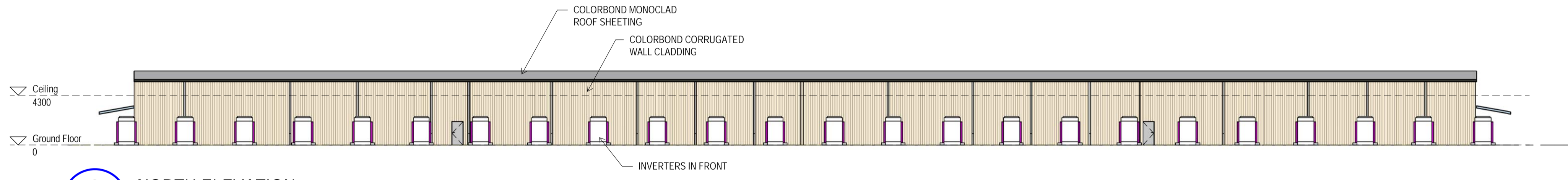
BATTERY STORAGE BUILDING ELEVATIONS



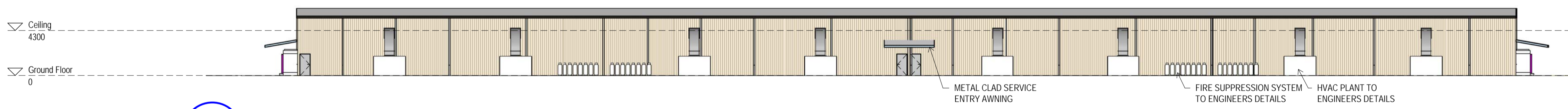
1 EAST ELEVATION
1:100



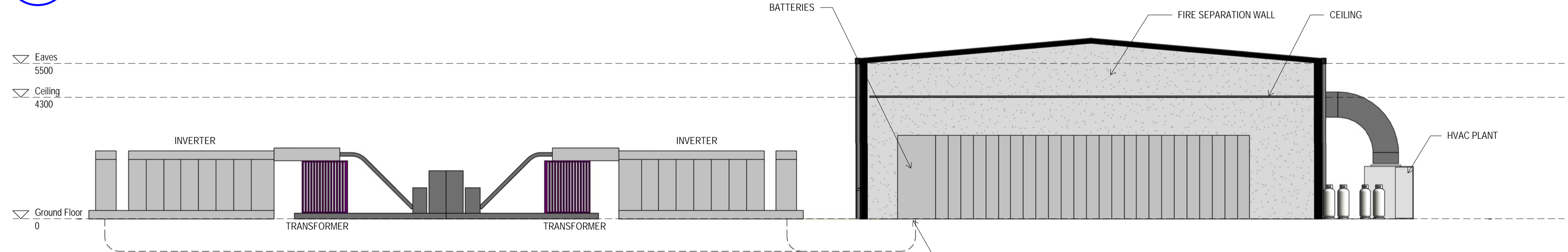
3 WEST ELEVATION
1:100



2 NORTH ELEVATION
1:250



4 SOUTH ELEVATION
1:250



A BUILDING SECTION
A02 1:100

INFRA DWG	N/A	APPD DATE	N/A
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03791D3404-01

SCALE - As indicated @A1

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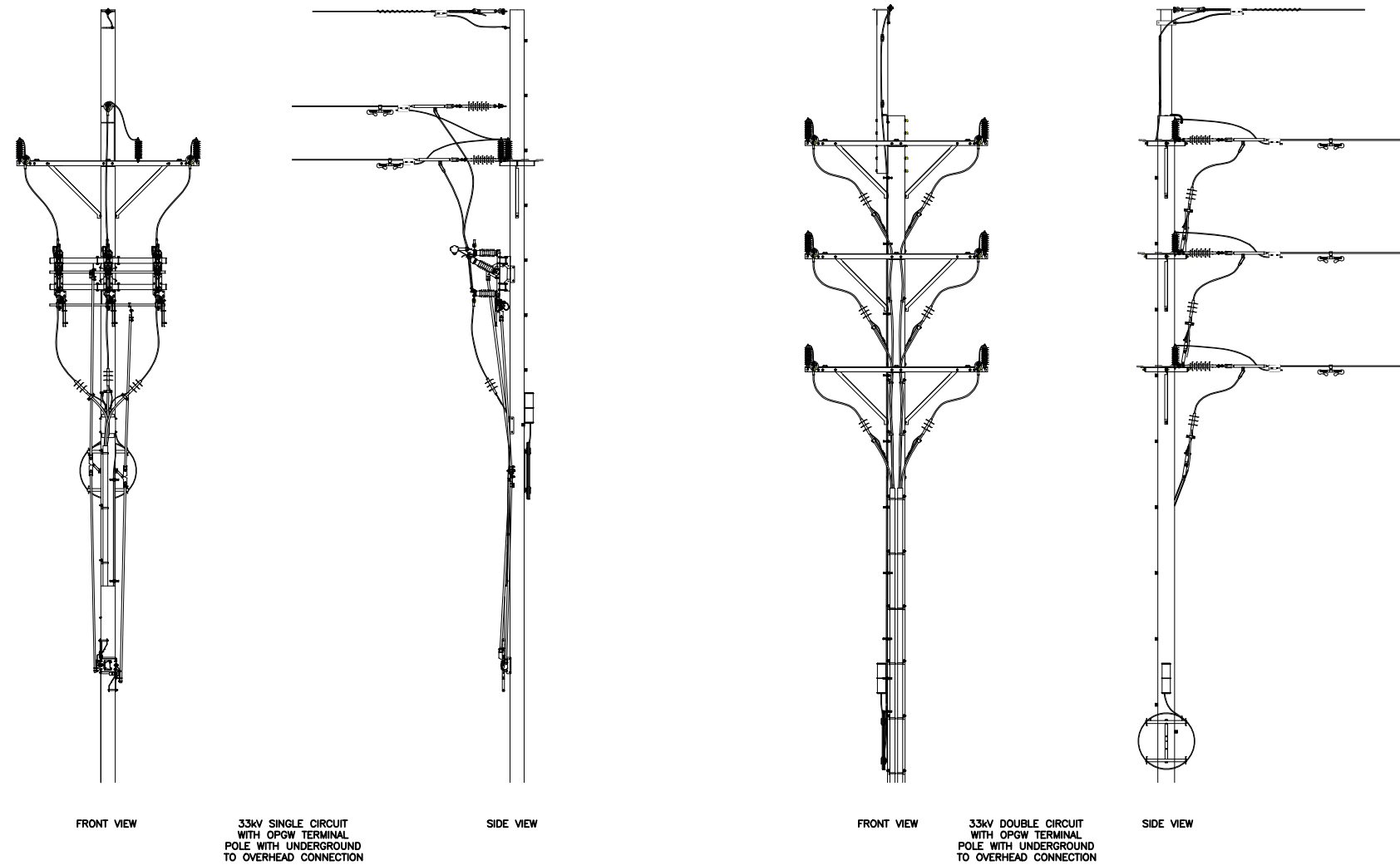




SOLAR FARM

TECHNICAL FIGURE 11

TYPICAL 33 kV OVERHEAD LINE POLES



NOTES

STRUCTURES MAY BE MADE OUT OF CONCRETE, STEEL OR WOOD OR A COMBINATION OF THESE MATERIALS;

POLE CONFIGURATIONS ARE INDICATIVE ONLY AND MAY CHANGE DURING DETAILED DESIGN.
INSULATORS MAY BE PORCELAIN OR POLYMERIC;

THERE MAY BE 1 OR 2 CONDUCTORS PER PHASE;

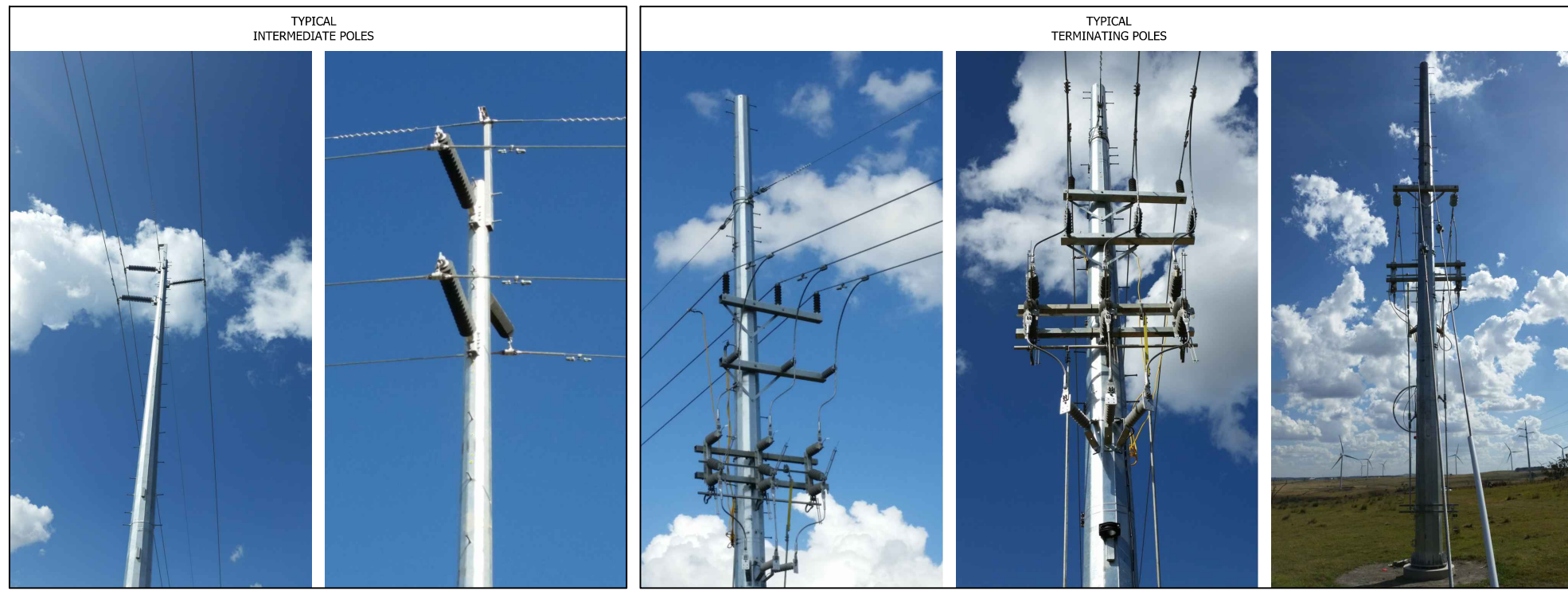
OPTICAL FIBRE GROUND WIRE (OPGW) IS SHOWN, OPGW IS AN EARTHING WIRE COMBINED WITH COMMUNICATION CABLES;

POLE HEIGHT WILL BE APPROXIMATELY 30m HEIGHT;

THE FINAL DESIGN WILL BE GENERALLY IN ACCORDANCE WITH WHAT IS SHOWN;

DOUBLE "H" TYPE POLES MAY BE A FEATURE OF FINAL DESIGN AND / OR AT A CHANGE IN DIRECTION OF THE TRANSMISSION LINE SUBJECT TO FINAL DESIGN;

BASED ON SENERGY DRAWING 9116-E-005 REV 0.



INFRA DWG	N/A	APPD DATE	23-07-18
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03707D4101-02

SCALE - NTS @A3

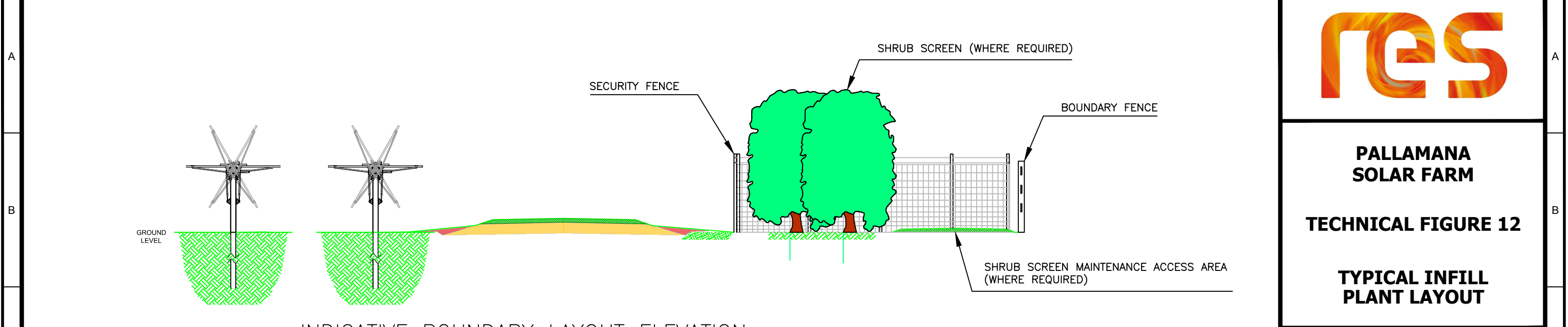
COORDS N/A

PLANNING PERMIT APPLICATION

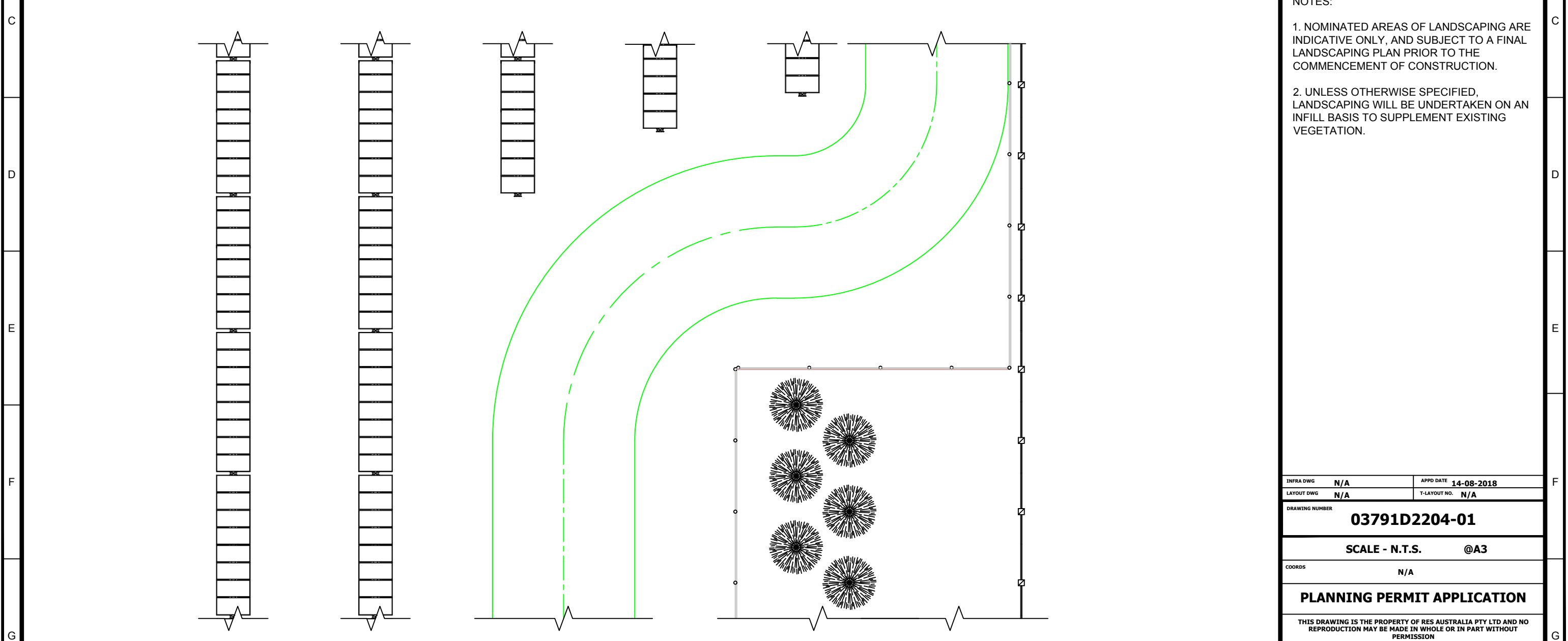
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INDICATIVE BOUNDARY LAYOUT ELEVATION



INDICATIVE BOUNDARY LAYOUT PLAN



**PALLAMANA
SOLAR FARM**

TECHNICAL FIGURE 12

**TYPICAL INFILL
PLANT LAYOUT**

- NOTES:
1. NOMINATED AREAS OF LANDSCAPING ARE INDICATIVE ONLY, AND SUBJECT TO A FINAL LANDSCAPING PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 2. UNLESS OTHERWISE SPECIFIED, LANDSCAPING WILL BE UNDERTAKEN ON AN INFILL BASIS TO SUPPLEMENT EXISTING VEGETATION.

INFRA DWG	N/A	APPD DATE	14-08-2018
LAYOUT DWG	N/A	T-LAYOUT NO.	N/A

DRAWING NUMBER
03791D2204-01

SCALE - N.T.S. @A3

COORDS N/A

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