



- General Notes**
- BASIC INDICATIVE LAYOUT/DESIGN. FOR PLANNING SUBMISSION ONLY. NOT FOR CONSTRUCTION OR CALCULATION PURPOSES. DESIGN IS NOT FINALISED. SOURCE DRAWING IS BARNSF-GN-LAY-0219.
 - GAS PIPELINE AND COMMS EASEMENT (NOT TO SCALE). ENSURE ADEQUATE STANDOFF OF FENCE AND PERIMETER ROAD.
 - 30M OFFSET FROM PROJECT LANDOWNER PROPERTY BDY TO SOLAR PANELS INC VEGETATION SCREENING.
 - 30M OFFSET FROM SOLAR PANEL TO NEIGHBOURING PROP BDY.
 - 30M OFFSET FROM SOLAR PANEL TO NEIGHBOURING PROP BDY INC VEGETATION SCREENING.
 - RETAINED TREES AREA.
 - APPROX 100 X 50M AREA RESERVED FOR SUBSTATION AND BUILDINGS. REFER TO DWG BARNSF-GN-GAD-0209 FOR INDICATIVE LAYOUT WITHIN.
 - ALT ENTRY TO BE >30M SOUTH OF MURRAY VALLEY HWY COYLES RD INTERSECTION.
 - CONNECTING CABLE TO BE BORED UNDER HERMITAGE RD.
 - EXISTING AUSNET OHL TO AUSNET OHL S OF BAXTER-WHELANS RD. REFER TO SHEET 2.
 - 1 X 45,000L WATER TANK TO BE LOCATED CLOSE TO GATE INSIDE EACH SITE PRIMARY ACCESS POINT. EACH PRIMARY ACCESS POINT TO HAVE BUSINESS IDENTIFICATION SIGN AND CFA WATER TANK DIRECTION SIGN ON OR NEAR GATE FACING OUTWARDS (REF BARNSF-GN-GAD-0228).
 - INTERNAL ROADS 4M. PERIMETER FIRE BREAK 10M INC ROAD.
 - INDICATIVE DESIGN SPECS:
 - LOCATION: BARNAWARTHA, VICTORIA, AUSTRALIA
 - UTM CONVERGENCE: 0.1821 °
 - ALTITUDE: 162.11 M
 - USABLE AREA: 128.93 HA
 - PERIMETER FENCE: 7.37 KM
 - RATED POWER @ POC: 64MW
 - BATTERY CAPACITY: TBC. INDICATIVE 64-192MWH. LOCATION: DISPERSED, NEXT TO PCU.

LEGEND:

- Project area
- Retained trees area
- Substation, switchroom, building/facility
- Colors indicate solar field connection to each power station
- Mounting structure
- Roads
- Medium voltage trenches
- Fences
- Medium voltage lines
- Existing Ausnet overhead line
- New build overhead line within Wodonga easmt
- Vegetation screen location
- Water tank
- CFA direction to water tank sign
- Business identification sign

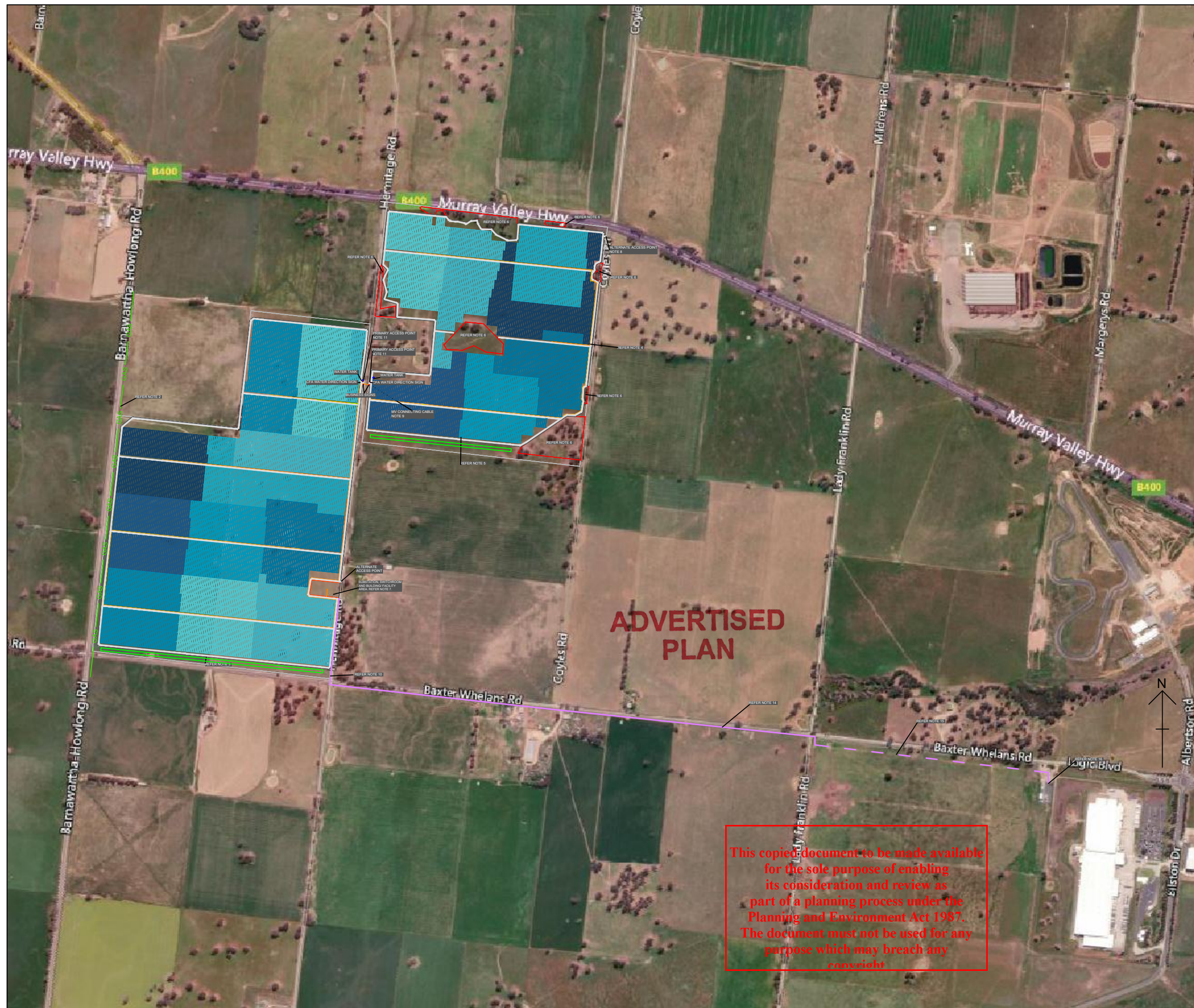
1	Original	30 Mar 2022
2	Addressed DELWP RFI's	24 Jun 2022
No.	Revision/Issue	Date

Firm Name and Address
WIRSOL
 YOUR PARTNER IN RENEWABLE ENERGY
 Wirsol Energy
 201/39 East Esplanade, Manly, NSW,
 Australia, 2095
 ARP Solar

Project Name and Address
 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V2	Sheet 1 of 2
Drawing title Indicative basic overall site layout - Planning submission	
Scale 100m	

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- General Notes**
14. EXISTING AUSNET OVERHEAD LINE SOUTH OF BAXTER-WHELANS ROAD TO BE UPGRADED
 15. NEW BUILD OVERHEAD LINE WITHIN WODONGA COUNCIL LAND PARCEL, SOUTH OF ROAD RESERVE TO AVOID VEGETATION CLEARANCE.
 16. AUSNET BARNAWARTHA ZONE SUBSTATION (BWA)
- LEGEND:**
- Project area
 - Retained trees area
 - Substation, switchroom, building/facility
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 - Roads
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Project Name and Address
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 INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number BARNSP-GN-LAY-0226-V2	Sheet 2 of 2
Drawing title Indicative basic overall site layout - Planning submission	
Scale 1:200m	

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SPI 2~22\PP2076
TITLE PLAN TP522753Y CA2

SPI 1~24\PP2076
TITLE PLAN TP12348D CA1

SPI 3~22\PP2076
TITLE PLAN TP522753Y CA3

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LEGEND:

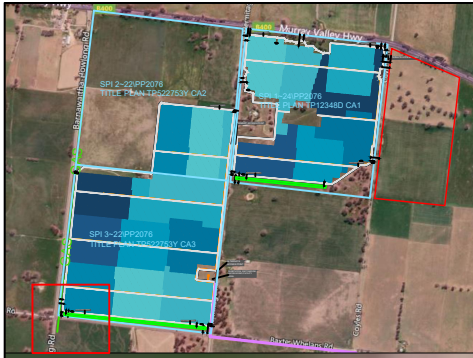
- Vegetation screen location
- Title Plan Boundary
- Substation, switchroom, building/facility
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1	Original	9 June 2022
No.	Revision/Issue	Date

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Project Name and Address
 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 1 of 8
Drawing title Indicative setback plan	
Scale 100m	



General Notes

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- LEGEND:**
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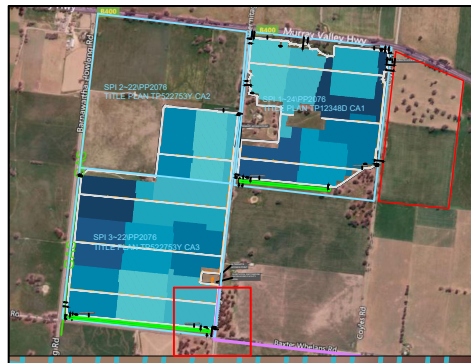
Project Name and Address

BARNAWARTHA SOLAR FARM

INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 2 of 8
Drawing title Indicative setback plan	
Scale 1:20m	





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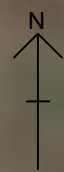
- LEGEND:**
- Vegetation screen location
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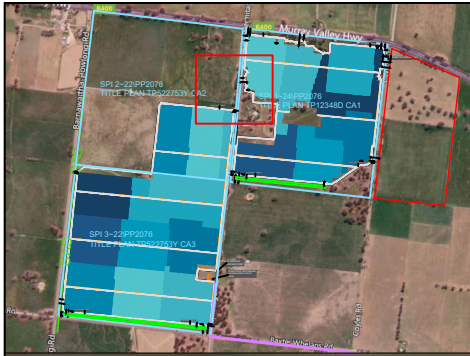
1	Original	9 June 2022
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 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 3 of 8
Drawing title Indicative setback plan	
Scale 20m	





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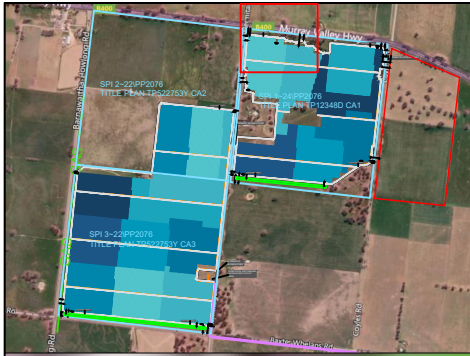
Project Name and Address

BARNAWARTHA SOLAR FARM

INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 4 of 8
Drawing title Indicative setback plan	
Scale 1:20m	





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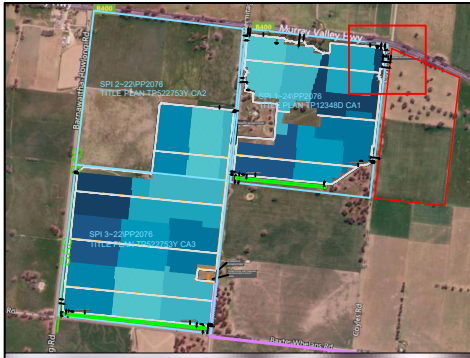
- LEGEND:**
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Project Name and Address
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 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 5 of 8
Drawing title Indicative setback plan	
Scale 20m	

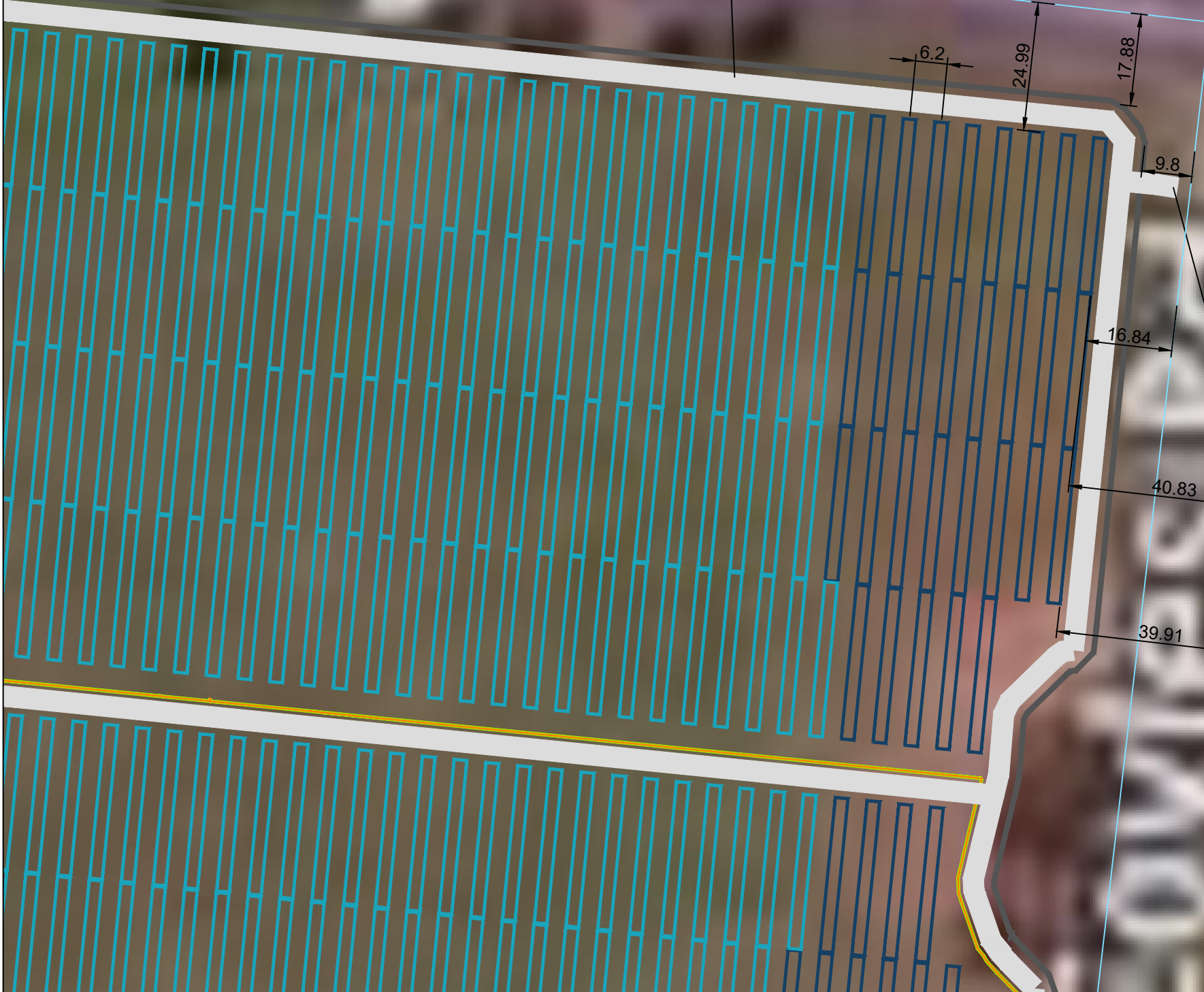


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4M ROAD IN PERIMETER FIREBREAK



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ALTERNATE AC

- LEGEND:**
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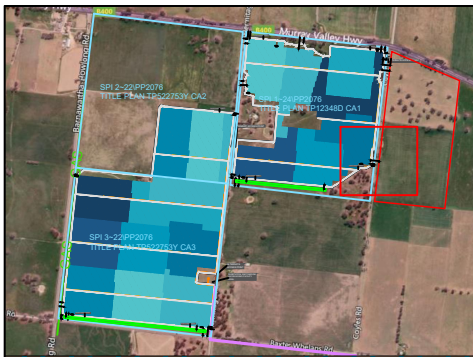
1	Original	9 June 2022
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Drawing number BARNSF-GN-LAY-0226-V1	Sheet 6 of 8
Drawing title Indicative setback plan	
Scale 20m	





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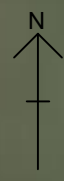
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Project Name and Address

BARNAWARTHA SOLAR FARM

INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0236-V1	Sheet 7 of 8
Drawing title Indicative setback plan	
Scale 20m	





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4M ROAD IN PERIMETER FIREBREAK

LEGEND:

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No.	Revision/Issue	Date

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Project Name and Address

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INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number BARNSF-GN-LAY-0226-V1	Sheet 8 of 8
Drawing title Indicative setback plan	
Scale 1:20m	



- General Notes**
1. INDICATIVE LAYOUT/CONCEPT FOR PLANNING SUBMISSION ONLY. NOT FOR CONSTRUCTION.
 2. TITLES FOR PROPOSED SITE SHOWN IN BLUE. OTHER SURROUNDING TITLES SHOWN IN RED.

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- LEGEND:**
- Total project / leased area
 - Title plan area - surrounding + not affected
 - Title plan area - landholders / site
 - Title plan area - surrounding + affected
 - Site perimeter roads
 - Planned site perimeter fences
 - Ausnet grid connection route

1	Original	8 Jun 2022
No.	Revision/Issue	Date

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Project Name and Address
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 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number BARNSES-GN-LAY-0233-V1	Sheet 1 of 2
Drawing title Title boundaries	
Scale 1:100m	



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 - Ausnet grid connection route

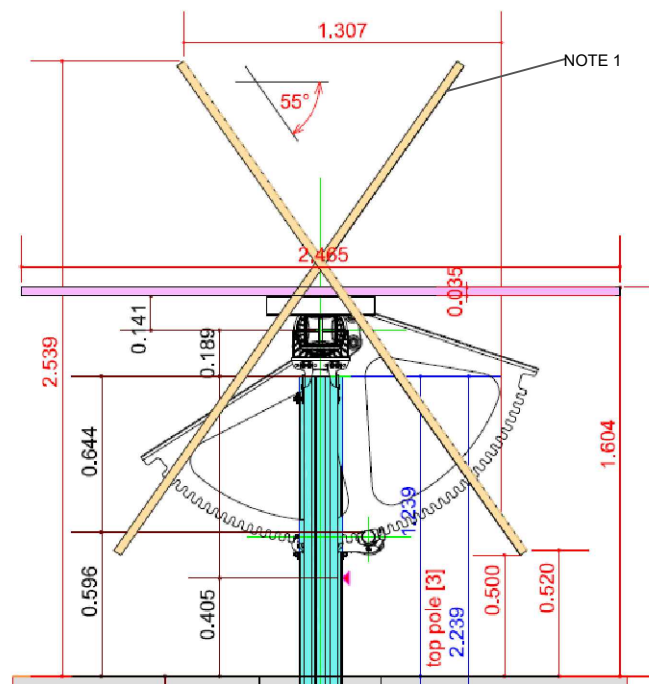
1	Original	6 June 2022
No.	Revision/Issue	Date

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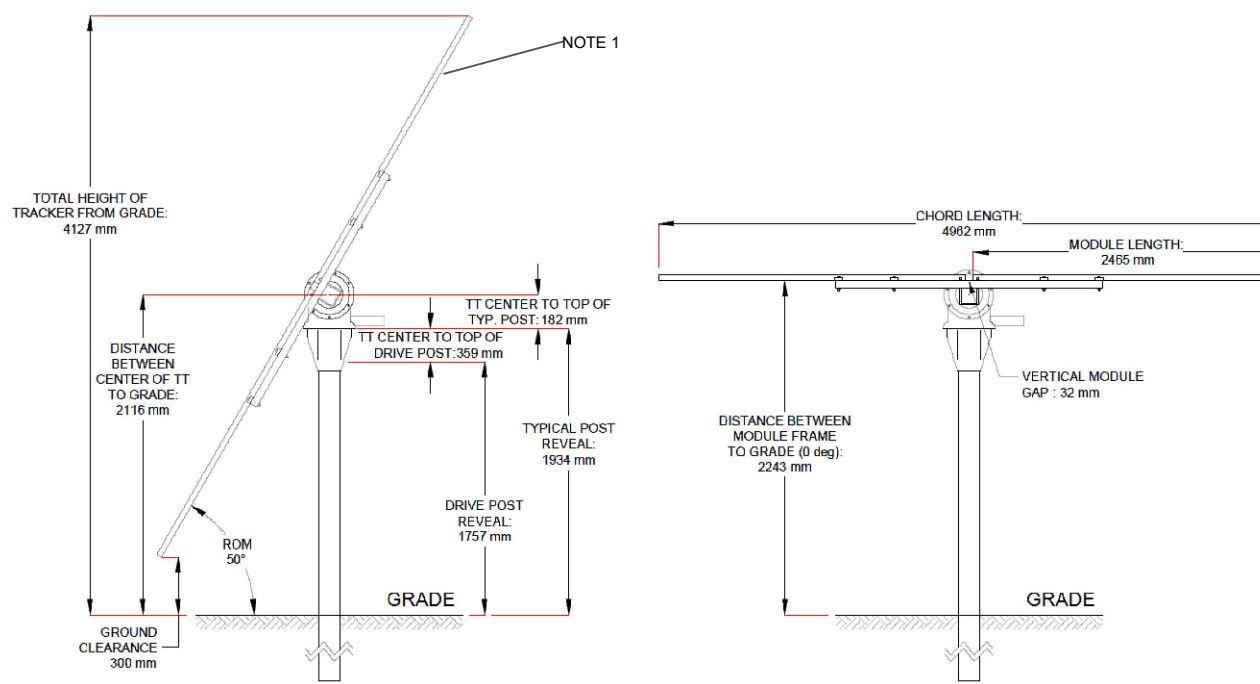
Project Name and Address
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 AUSTRALIA 3688

Drawing number BARNSSES-ONLAY-0233-V1	Sheet
Drawing title Title boundaries	2 of 2
Scale 1:100m	

SOLAR MODULE AND MOUNTING EXAMPLE 1



SOLAR MODULE AND MOUNTING EXAMPLE 2

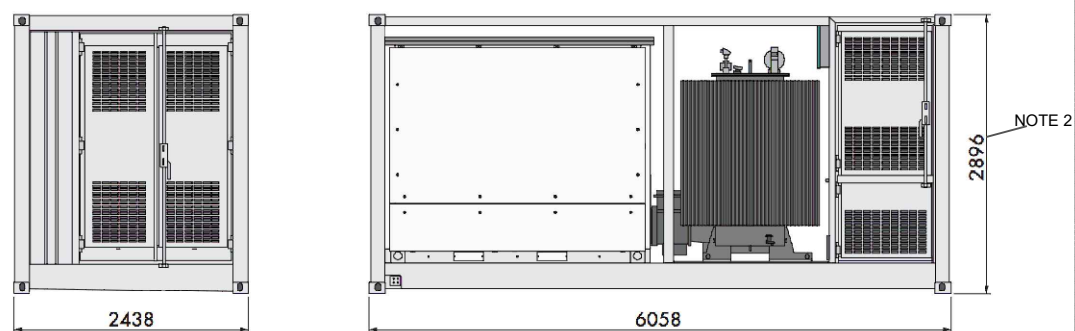


General Notes

1. SOLAR MODULE. ESTIMATED DIMENSIONS 2465 X 1134 X 35MM (L X W X D)
2. ADD AN ADDITIONAL ~300-800MM TO UNIT HEIGHT FOR TOTAL HEIGHT ABOVE GROUND, AS THE UNIT MAY SIT ATOP AN ELEVATED PLATFORM SECURED IN GROUND BY 4-6 PILINGS
3. DIMENSIONS IN RED ARE IN METERS. OTHER DIMENSIONS ARE MILLIMETERS UNLESS SPECIFIED.
4. CONCEPTUAL/INDICATIVE EXAMPLES ONLY. FINAL EQUIPMENT COMPONENTS WILL BE SELECTED DURING DETAILED SELECTION PROCESS AND MAY BE SUBJECT TO ADDITIONAL DESIGN REQUIREMENTS.

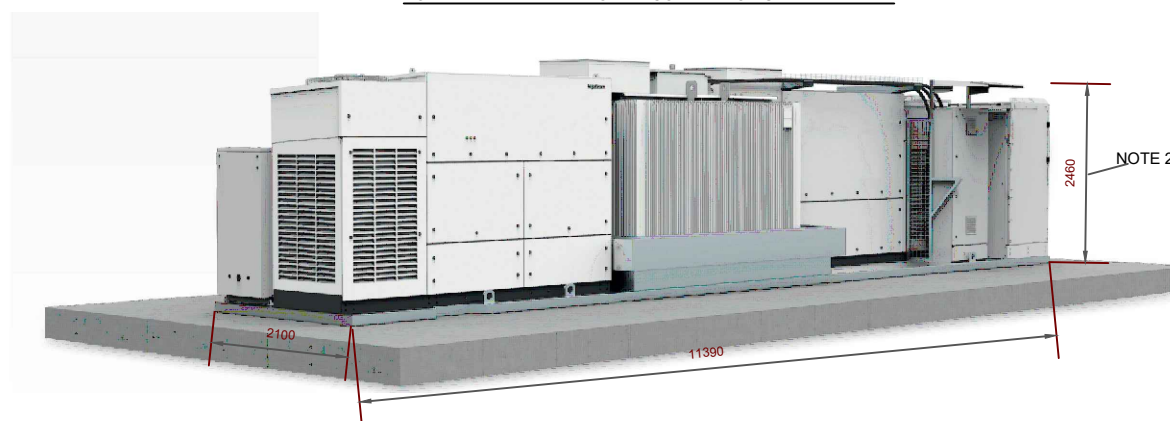
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SOLAR INVERTER AND POWER CONVERSION UNIT EXAMPLE 1

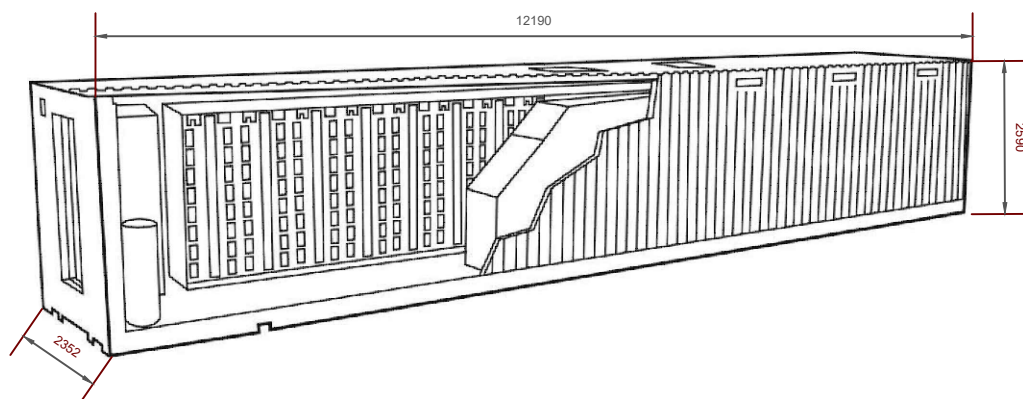


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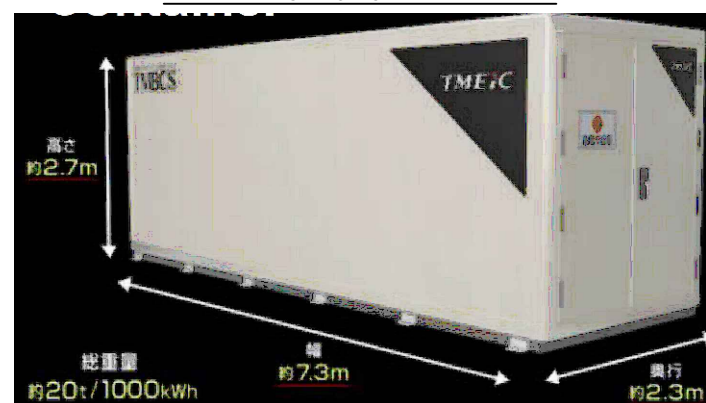
SOLAR INVERTER AND POWER CONVERSION UNIT EXAMPLE 2



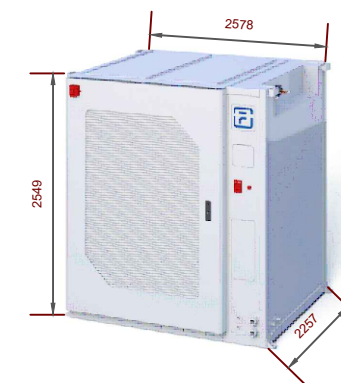
BATTERY ENERGY STORAGE SYSTEM EXAMPLE 1



BATTERY ENERGY STORAGE SYSTEM EXAMPLE 2



BATTERY ENERGY STORAGE SYSTEM EXAMPLE 3



1	Original	17-May-2022
No.	Revision/Issue	Date

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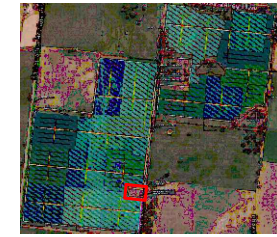
Project Name and Address
 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

Drawing number: BARNSES-GN-GAD-0232-V1
 Drawing title: INDICATIVE ELEVATION PROFILES OF KEY SITE COMPONENTS
 Scale: NOT TO SCALE
 Sheet: 1 of 1

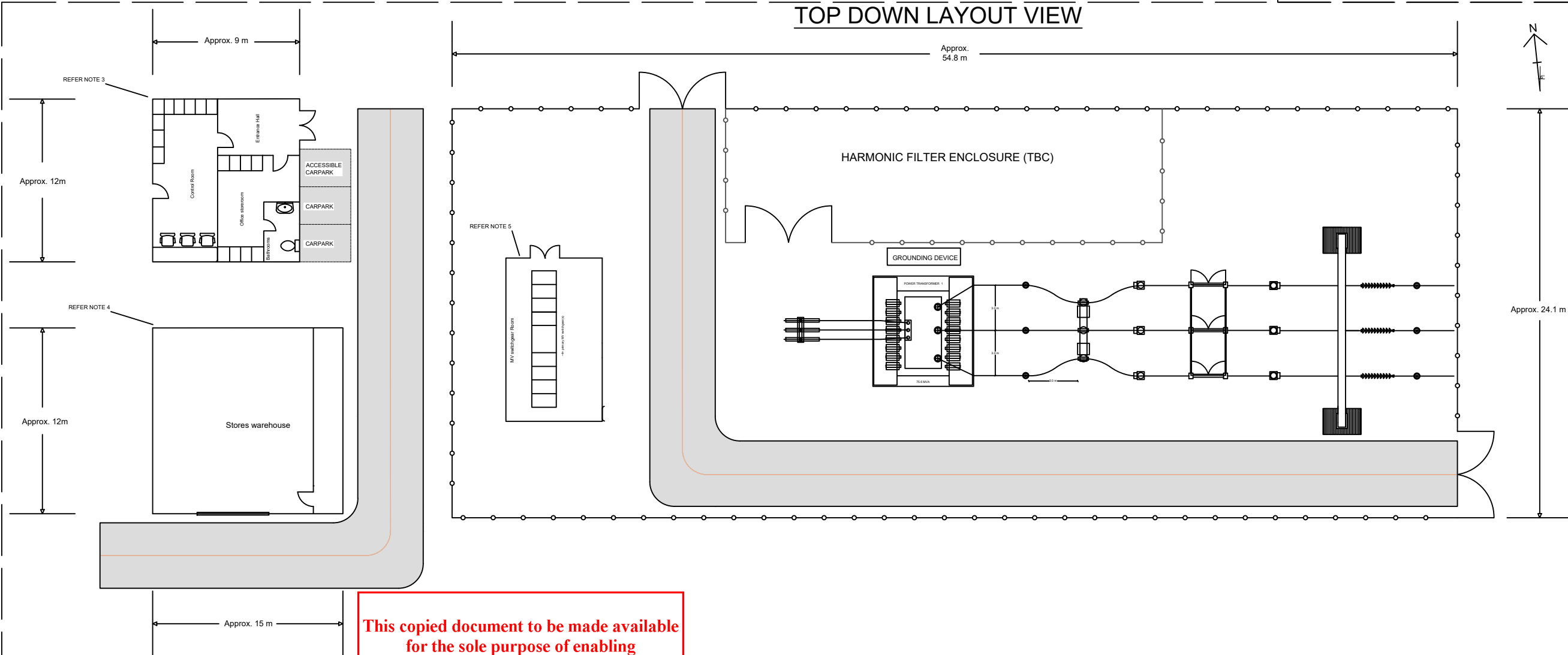
ADVERTISED PLAN

LOCATION

LOCATION OF SUBSTATION AND BUILDINGS WITHIN OVERALL SITE PLAN. REFER BARNSF-GN-LAY-0226.

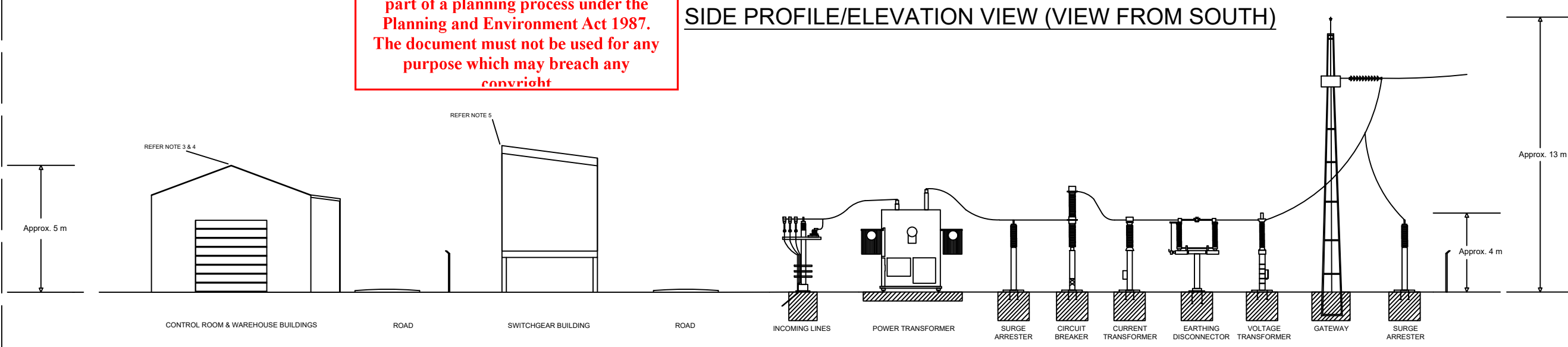


TOP DOWN LAYOUT VIEW



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SIDE PROFILE/ELEVATION VIEW (VIEW FROM SOUTH)



General Notes

- INDICATIVE DRAWING, LAYOUT AND DIMENSIONS ONLY. DETAILED DESIGN PROCESS AND TENDERING NOT YET COMMENCED. NOT TO BE USED FOR ANY PURPOSE OTHER THAN PLANNING APPROVAL.
- GENERAL CHARACTERISTICS:
Arrangement: Line to transformer
High voltage: 66.0 kV
Medium voltage: 33.0 kV
- REFER TO DWG T2Q01143-L-001 & 003 FOR INDICATIVE O&M BLD DESIGN
- REFER TO DWG T2Q01143-L-004 FOR INDICATIVE WAREHOUSE DESIGN
- REFER TO DWG J0456_L_001_SHT_02_REV_0 FOR INDICATIVE SWITCHROOM DESIGN
- OUTDOOR LIGHTING AS REQUIRED.
- SUBSTATION AND BUILDINGS AS INDICATIVELY SHOWN IN TOP DOWN VIEW WILL BE POSITIONED WITHIN 100X50M AREA RESERVED IN BARNSF-GN-LAY-0226.

LEGEND:

- Surge Arrestor
- Current Transformer
- Circuit Breaker
- Voltage Transformer
- Disconnecter
- Fence
- Gate

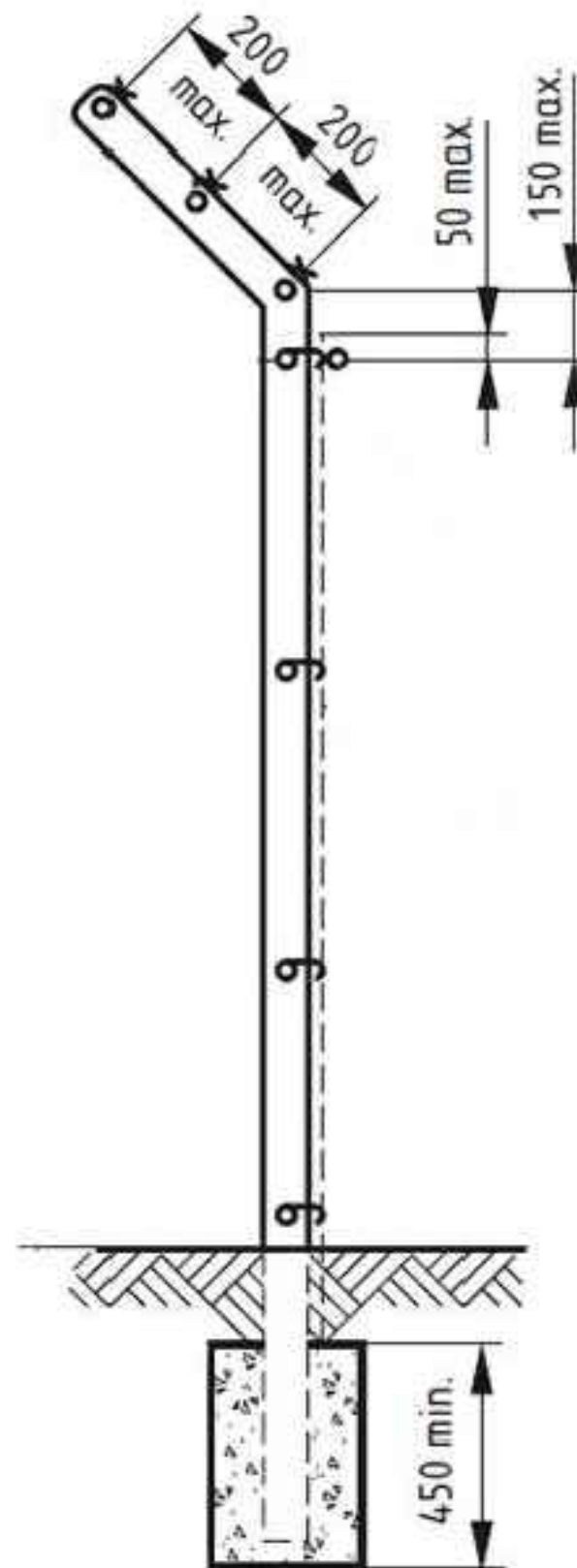
No.	Revision/Issue	Date
1	Original	14 FEB 2022
2	Minor bld design updates	10 MAR 2022
3	Updated layout, carspace	29 MAR 2022

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 ARP Australian Solar

Project Name and Address
BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number	Sheet
BARNSF-GN-GAD-0209-V3	1 of 1
Drawing title Indicative Substation and Buildings facility layout	
Scale NOT TO SCALE	


ADVERTISED PLAN



- General Notes**
1. INDICATIVE LAYOUT/DESIGN. FOR PLANNING SUBMISSION ONLY. NOT FOR CONSTRUCTION.
 2. BASIC CHAIN MESH AND BARBED WIRE SECURITY TOP FENCE.

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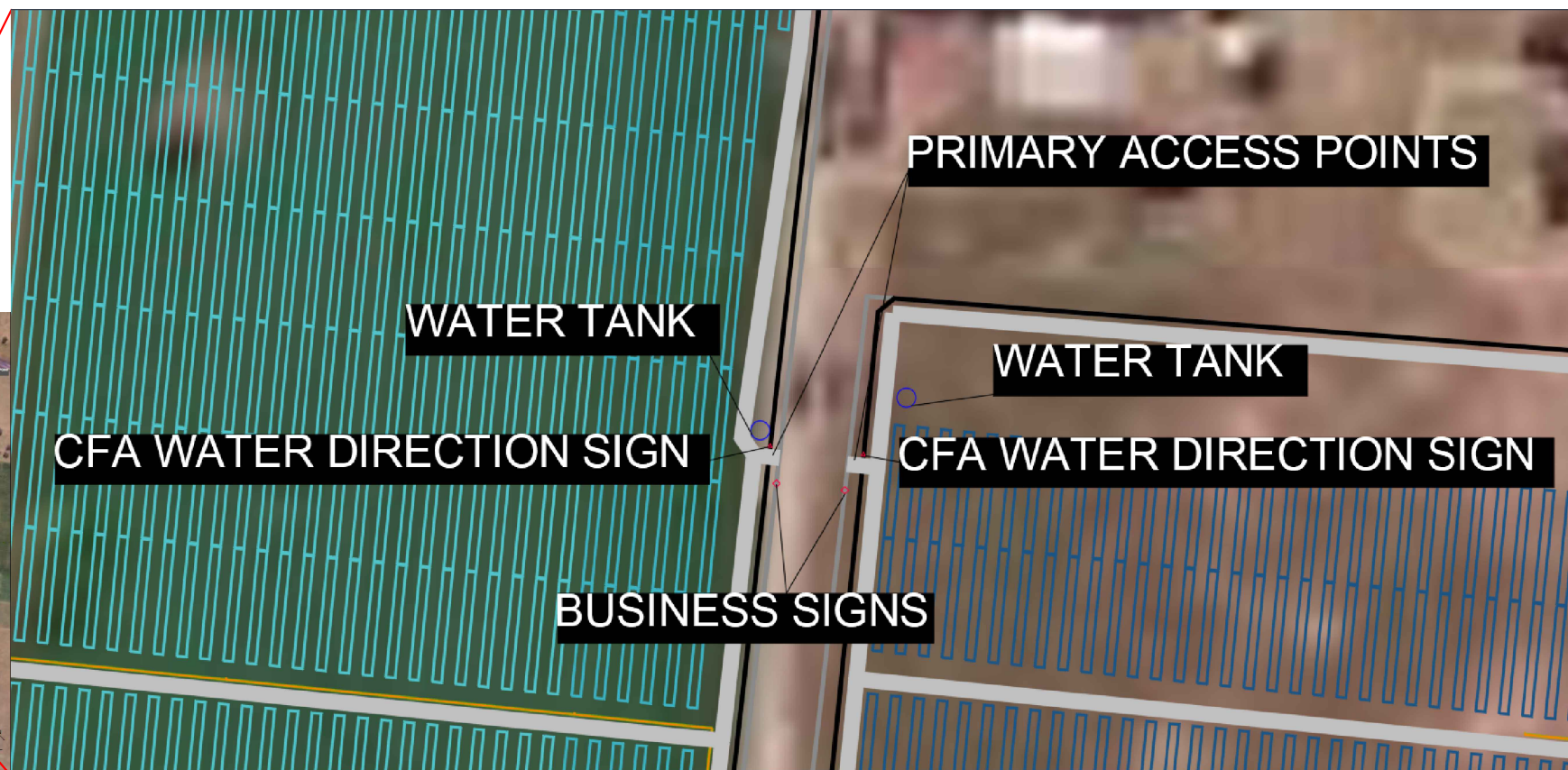
1	Original	30 Mar 2022
No.	Revision/Issue	Date

Firm Name and Address
WIRSOL 
 YOUR PARTNER IN RENEWABLE ENERGY
 Wirsol Energy
 201/39 East Esplanade, Manly, NSW,
 Australia, 2095
 ARP Solar

Project Name and Address
 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number BARNSF-CN-GAD-0227-V1	Sheet 1 of 1
Drawing title Indicative security fence design	
Scale NOT TO SCALE	

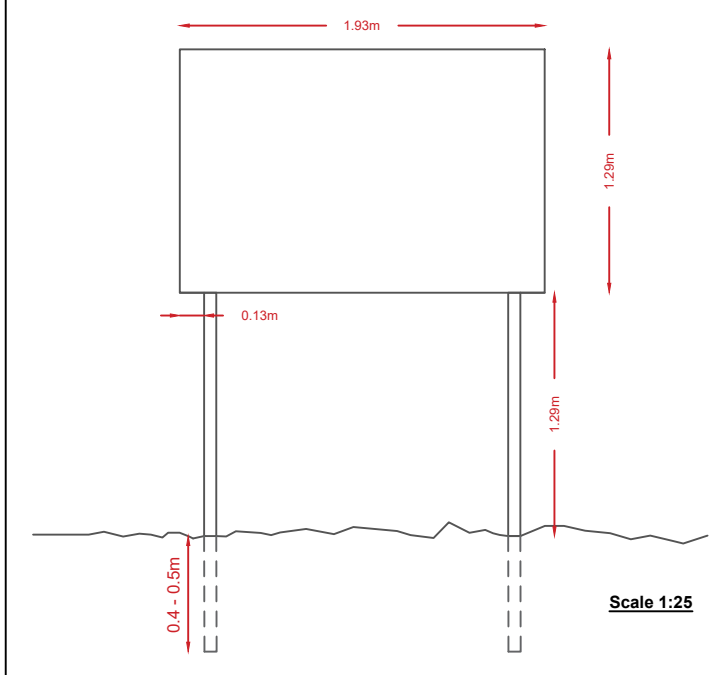
PRIMARY ACCESS POINTS TO HAVE BUSINESS SIGN AND CFA DIRECTION TO WATER TANK SIGN



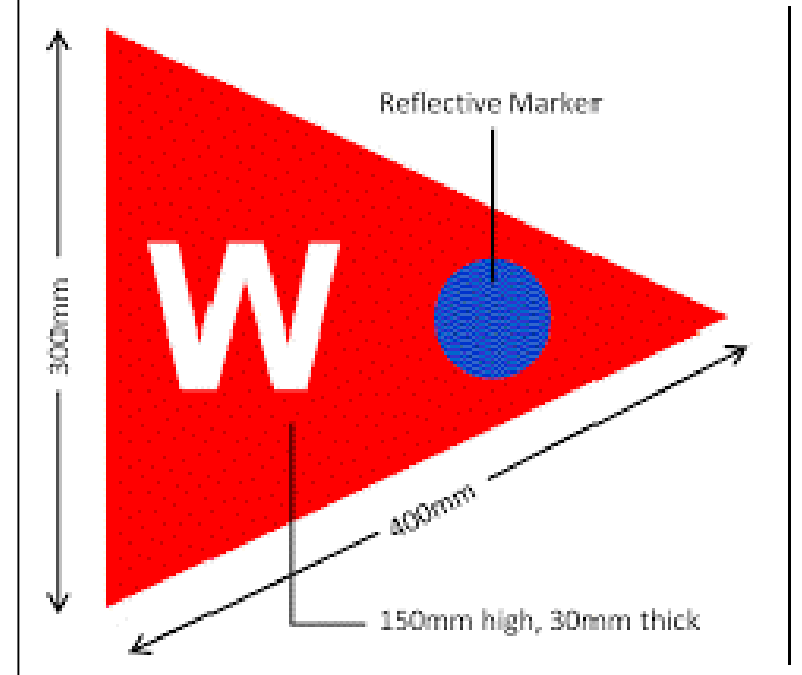
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ADVERTISED PLAN

Business sign design example



CFA Water Tank Sign



General Notes

INDICATIVE LAYOUT/DESIGN. FOR PLANNING SUBMISSION ONLY. NOT FOR CONSTRUCTION. REFER TO SOURCE DRAWING FOR LAYOUT: BARNSF-GN-LAY-0226.

1	Original	30 Mar 2022
2	Water tank + sign loc shown	6 Jun 2022
No.	Revision/Issue	Date

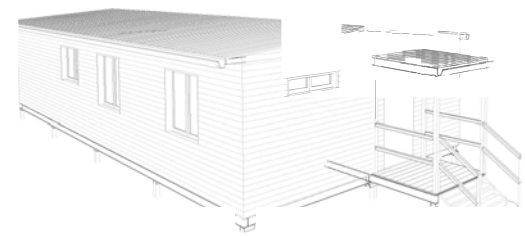
Firm Name and Address
WIRSOL
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 Wirsol Energy
 201/39 East Esplanade, Manly, NSW, Australia, 2095
 ARP Solar

Project Name and Address
 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD AND BAXTER-WHELANS RD, BARNAWARTHA, VICTORIA, AUSTRALIA 3688

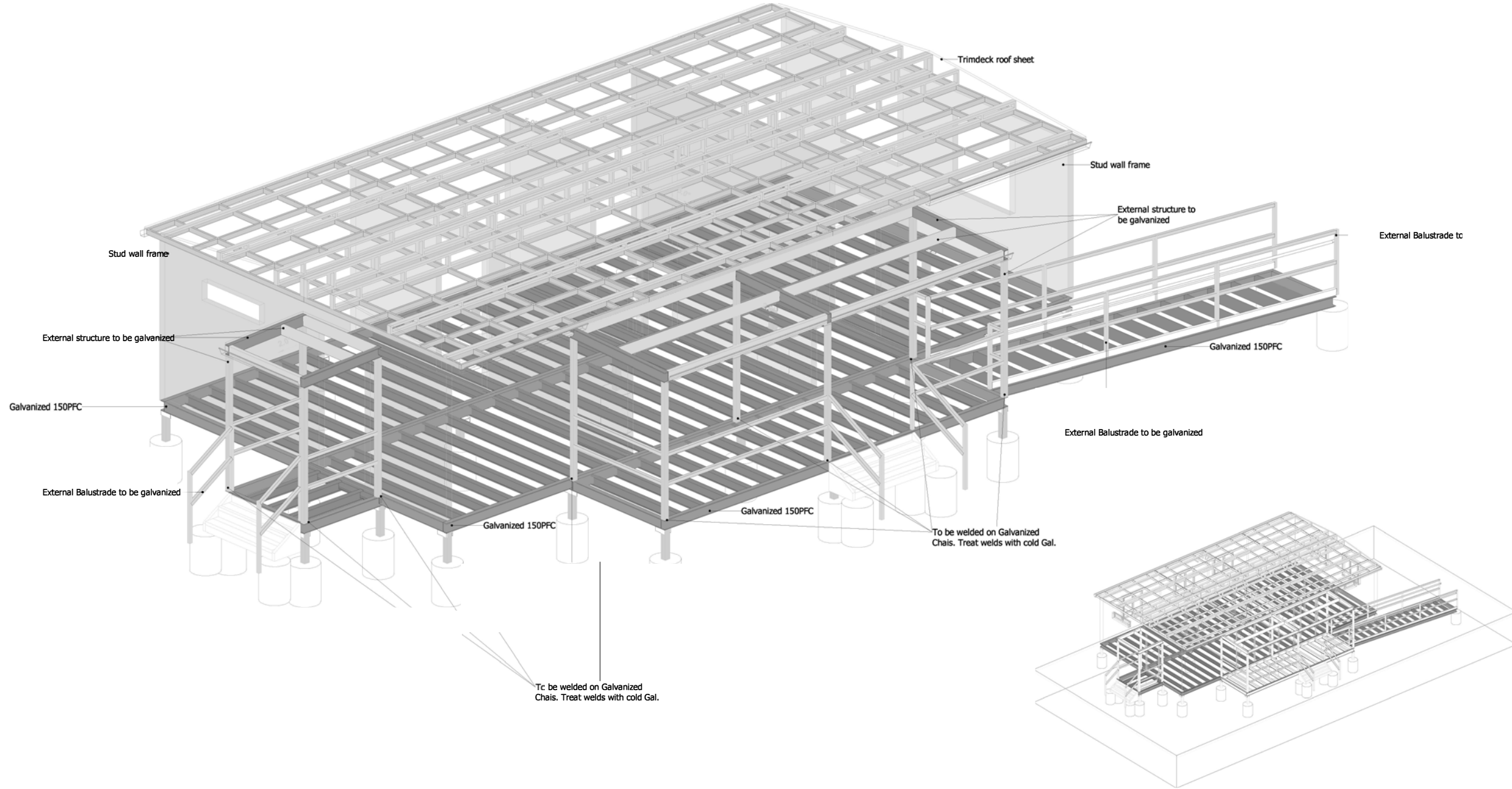
Drawing number BARNSF-GN-GAD-0228-V2	Sheet 1 of 1
Drawing title Indicative signage and positioning	
Scale NOT TO SCALE	

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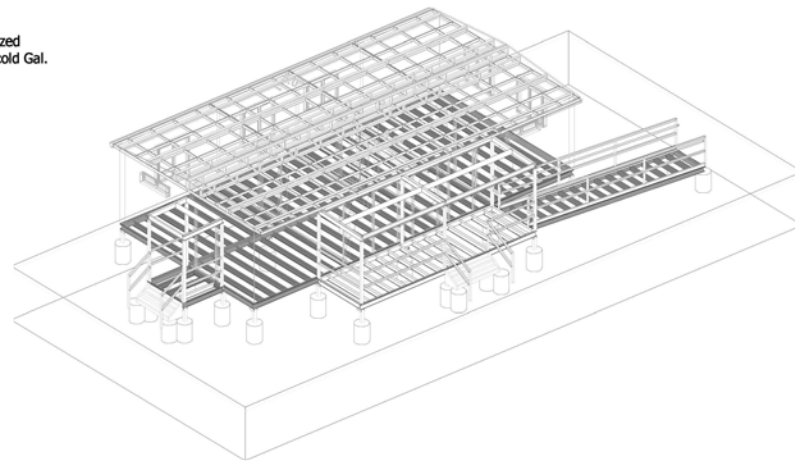
Colour scheme		
Wall Cladding	Corrugated colourbond Dune	
Fashing	Colourbond flashing Dune	
Verandah	Colourbond Monument	
Roof	Colourbond flashing Sirmist	
Vinyl Colours	Polyflor Fossil No. 3710	
Vinyl Colours/Accessible toilet	Polyflor Twilight No. 4490	
Windows	Colourbond Monument	
Doors	Colourbond Monument	
Verandah	Colourbond Monument	
Prefinish Ply Colours for walls	Pre finished grey embossed Polyply	
Prefinish Ply Colours for Ceiling	Prefinished white plywood ceiling	
Decking	ACQ Treated Pine	



3D View



3D Structure



3D Arch-Stru

DEVELOPER/OWNERS	OWNER'S ENGINEER WIRSOL THE BRAND BELONGING TO WIRCON GROUP	CONTRACTOR	DESIGNED WF	DRAWN WF	VERIFIED WF	APPROVED PJ	FOR APPROVAL ---	DATE 25/08	DESIGNER T2 Energy ELECTRICAL INFRASTRUCTURE AND CONTROL SOLUTIONS 2688 IPSWICH ROAD DARRA QLD 4076 Phone: +61 7 37137269 Fax: +61 7 37137279 Website: www.t2energy.com.au	TITLE BARNAWARTHA SOLAR FARM O&M BUILDING DETAILED LAYOUT 3D STRUCTURE	PROJECT No. DRAWING No. T2Q01143-L-001 REV 0	01/01
801	1	2	3	4	5	6	7	8	9	10	11	12

ADVERTISED PLAN

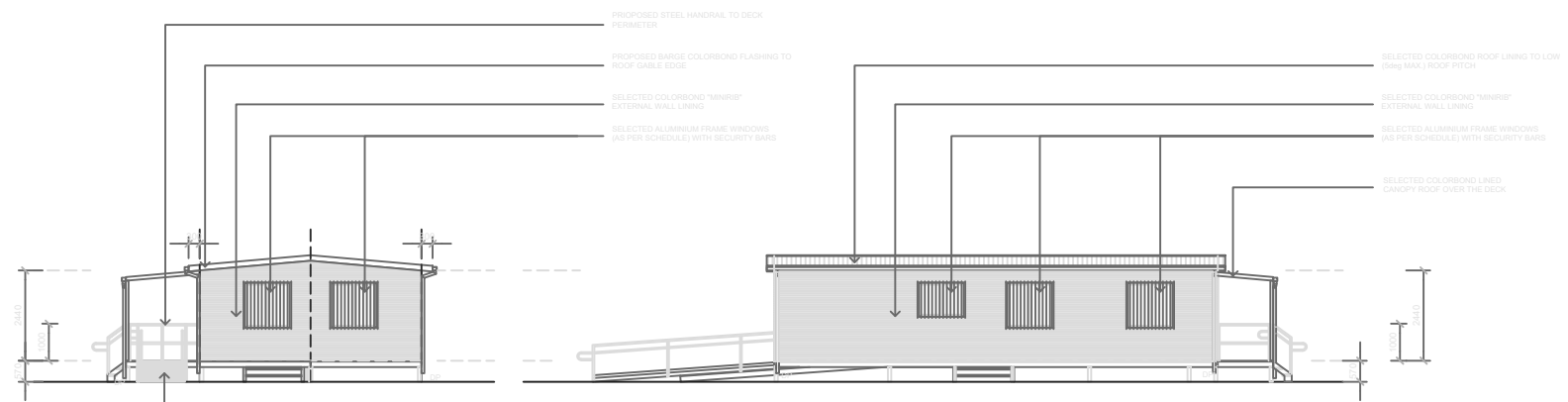
WINDOWS SCHEDULE:

W1 - 1200 x 1200	- 4 OFF
W2 - 1000 x 1200	- 1 OFF
W3 - 300 x 1200	- 2 OFF

DOORS SCHEDULE:

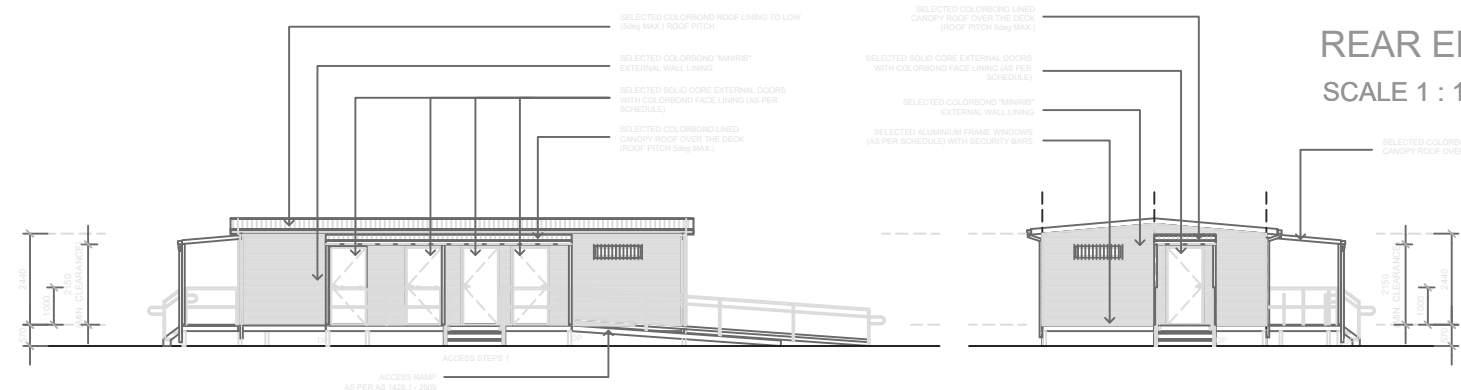
D1 - 2040 x 920 (DOOR PANEL - DISABLE ACCESS)
D2 - 2040 x 920 (DOOR PANEL)

NOTE : ALL EXTERNAL DOORS COLORBOND LINED



SIDE (1) ELEVATION
SCALE 1 : 100 (A2)

REAR ELEVATION
SCALE 1 : 100 (A2)



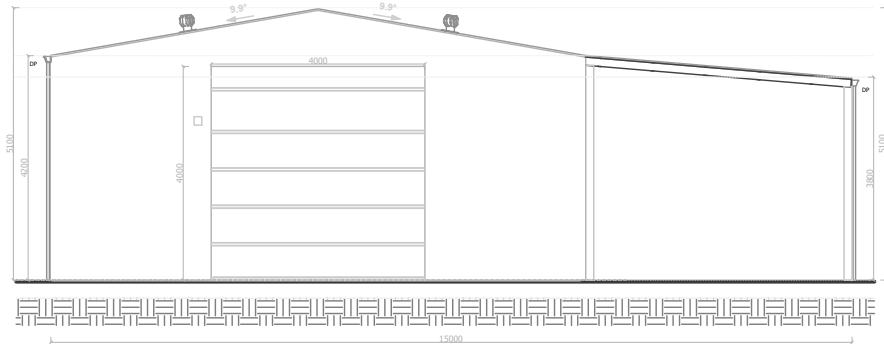
FRONT ELEVATION
SCALE 1 : 100 (A2)

SIDE (2) ELEVATION
SCALE 1 : 100 (A2)

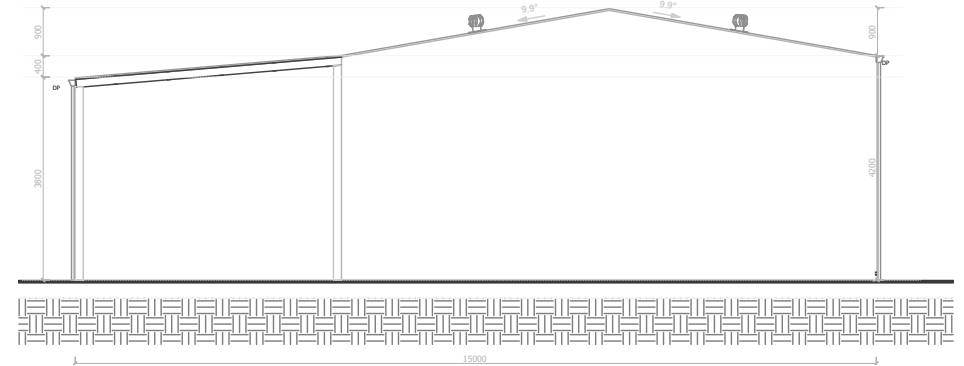
ADVERTISED PLAN

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DEVELOPER/OWNERS		OWNER'S ENGINEER	CONTRACTOR	DESIGNED WF				DESIGNER	TITLE	PROJECT No.
		OWNER'S REPRESENTATIVE		DRAWN WF				ELECTRICAL INFRASTRUCTURE AND CONTROL SOLUTIONS 2688 IPSWICH ROAD DARRA QLD 4076 Phone - +61 7 37137289 Fax - +61 7 37137279 Website www.t2energy.com.au	BARNAWARTHA SOLAR FARM O & M BUILDING ELEVATIONS ARCHITECTURAL	T2P01143-L-003
				VERIFIED WF					A2 SCALE	0
				APPROVED PJ	APPDATE 0	FOR APPROVAL	APP'D	DATE 25/08		01/01
				LETTER	DETAILS OF AMENDMENT					



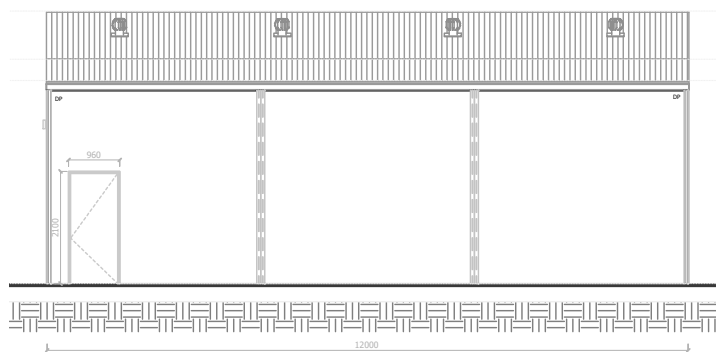
1 Left View
1:50



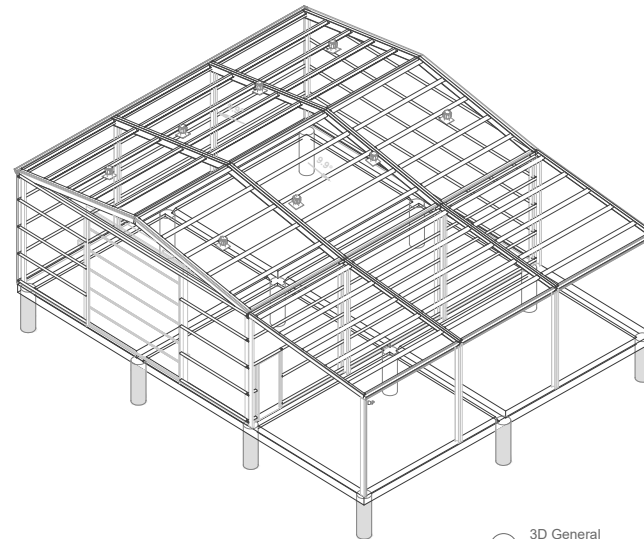
2 Right View
1:50

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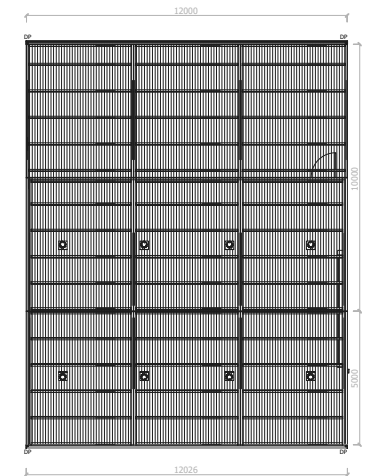
ADVERTISED PLAN



3 Front View
1:50



5 3D General

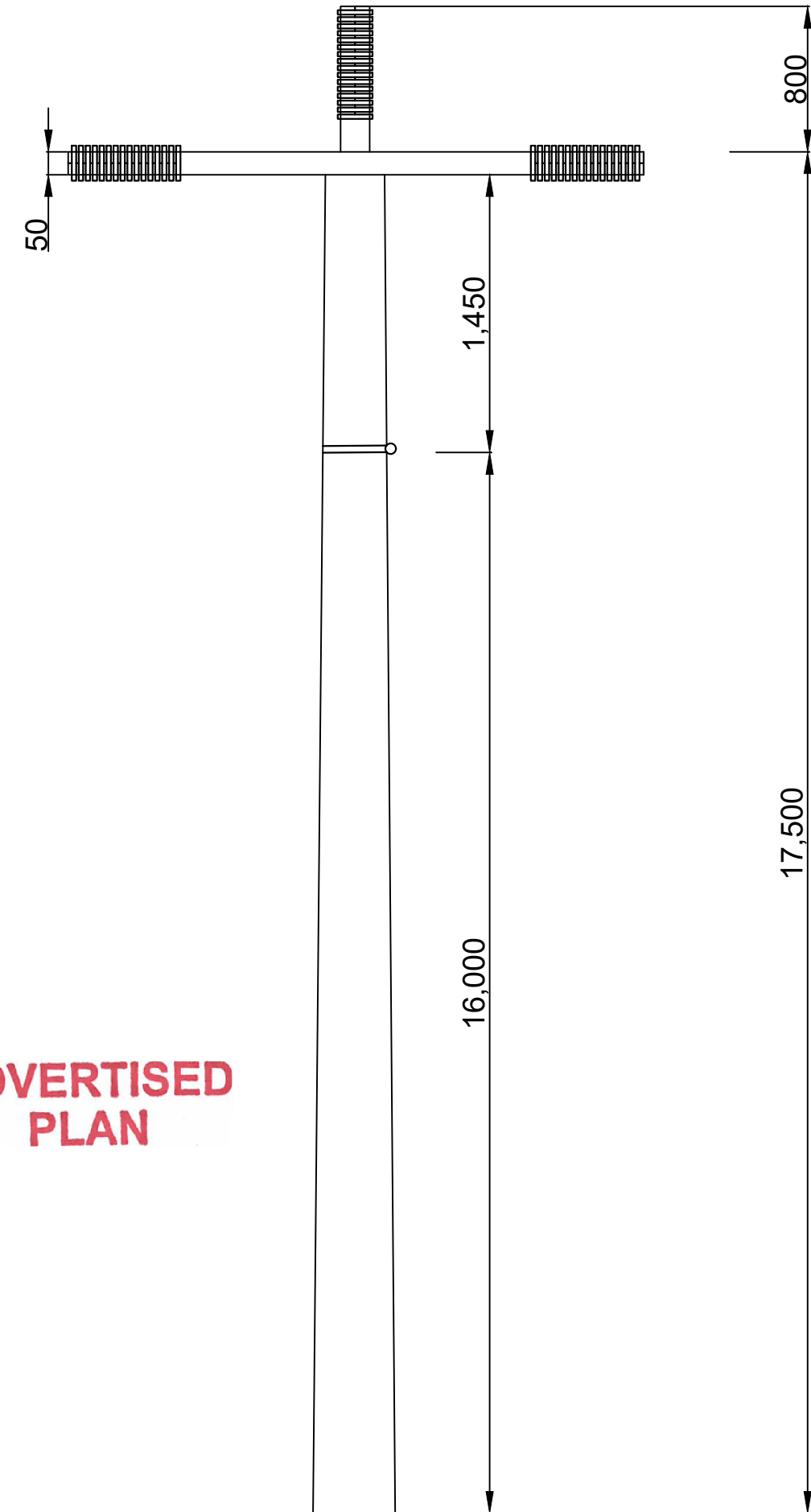


6 Plan View
1:100

DEVELOPER/OWNERS		OWNER'S ENGINEER		CONTRACTOR		DESIGNED WF		DRAWN WF		VERIFIED WF		APPROVED PJ		LETTER		FOR APPROVAL		25/08		DESIGNER		TITLE		PROJECT No.	
		OWNER'S REPRESENTATIVE												DETAILS OF AMENDMENT		APP'D		DATE		T2 Energy		BARNAWARTHA SOLAR FARM WAREHOUSE BUILDING DETAILED LAYOUT ELEVATION MULTIVIEW		DRAWING No. T2P01143-L-004	
		WIR SOL																				SCALE		REV	
		TYPE BOARD BELONGING TO WIR SOL GROUP																				A1		0	
1		2		3		4		5		6		7		8		9		10		11		12		12	

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ADVERTISED PLAN



General Notes

1. NOT FOR CONSTRUCTION. PLANNING SUBMISSION ONLY.
2. INDICATIVE APPEARANCE AND DIMENSIONS OF A POWER POLE USED TO CONNECT BARNAWARTHA SOLAR AND ENERGY STORAGE PROJECT TO AUSNET BARNAWARTHA ZONE SUBSTATION, ROUTE SHOWN IN BARNSF-GN-LAY-0226.
3. DESIGN HAS NOT BEEN CONFIRMED WITH AUSNET. PROJECT ESTIMATE ONLY.
4. FINAL DESIGN WILL BE GENERATED BY AUSNET, DURING GRID CONNECTION PROCESS.

1	Original	27 Jun 2022
No.	Revision/Issue	Date

Firm Name and Address
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 Australia, 2095
 ARP Solar

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 BARNAWARTHA SOLAR FARM
 INTERSECTION HERMITAGE RD
 AND BAXTER-WHELANS RD,
 BARNAWARTHA, VICTORIA,
 AUSTRALIA 3688

Drawing number BARNSF-GN-GAD-0242-V1	Sheet 1 of 1
Drawing title Indicative grid connection pole elevation profile	
Scale NOT TO SCALE	