




0 7.5 15 Km
1:650,000

West Mokoan Solar Farm
Location

Legend

 West Mokoan Site Boundary

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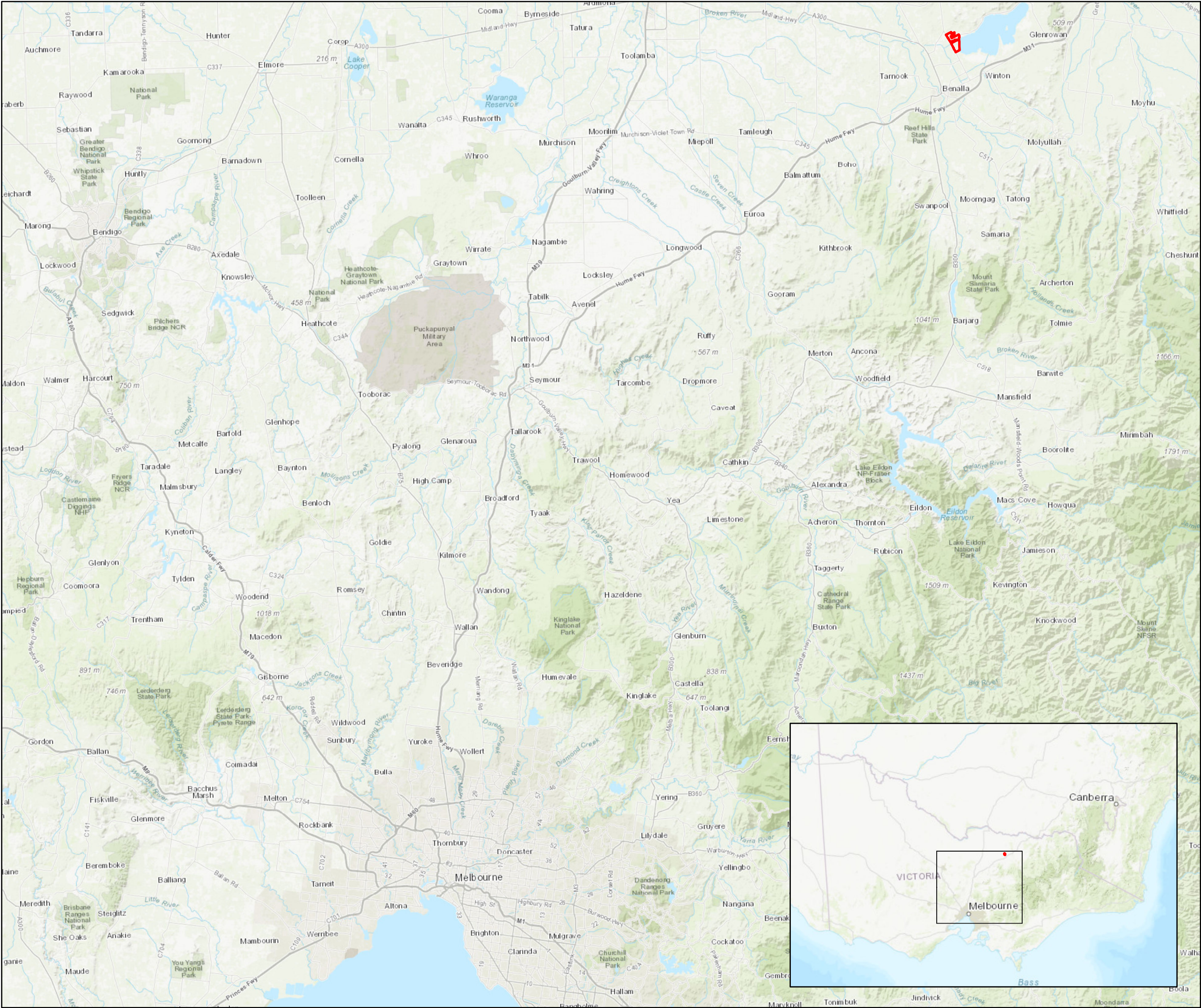
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West Mokoan Solar Farm
Location

Legend

- West Mokoan Site Boundary
- Local Government Area Boundary

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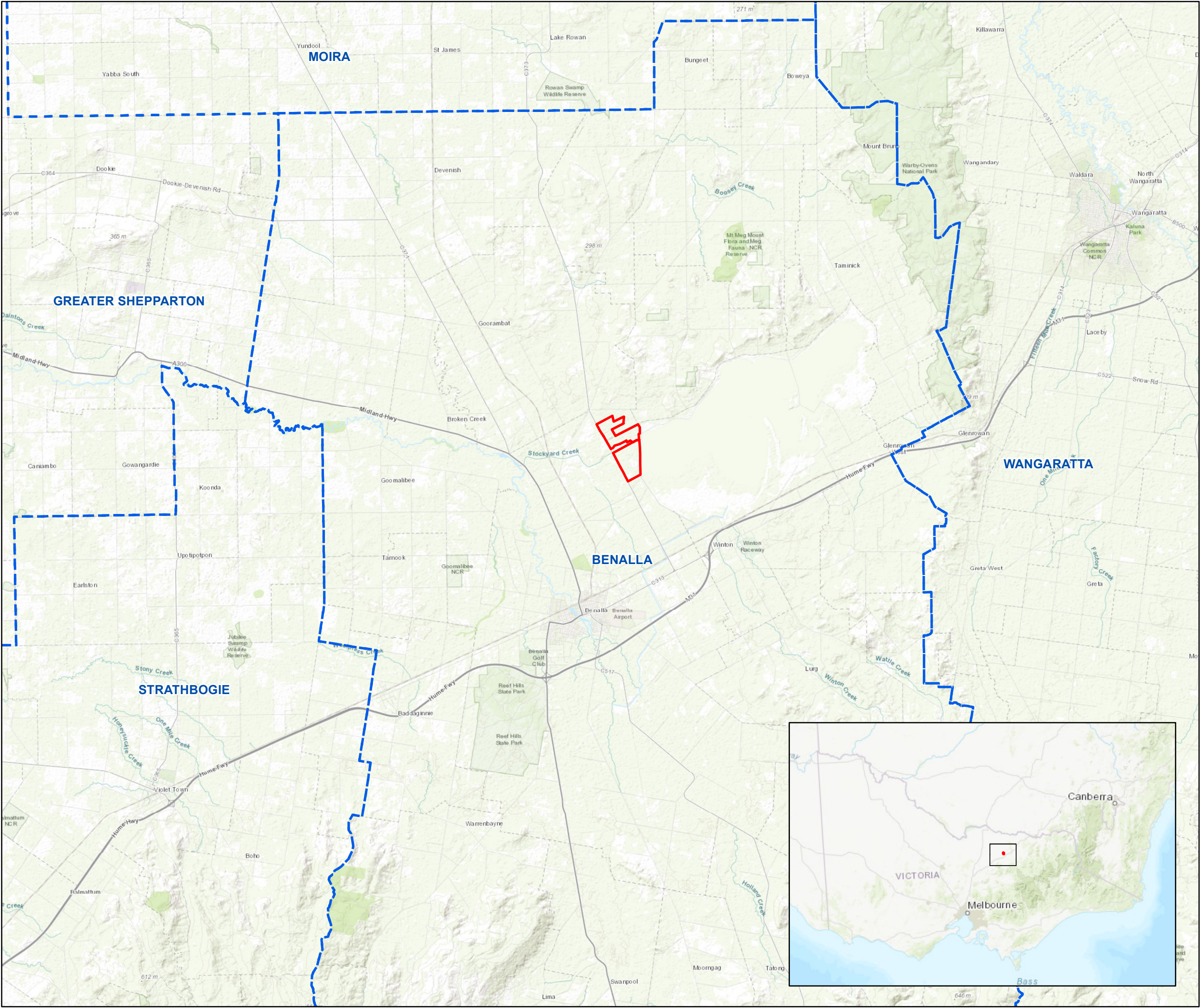
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West Mokoan Solar Farm
Site Context

- Legend
- West Mokoan Site Boundary
 - Railway Stations
 - Railway Line
 - Waterways
 - Property Boundaries
 - Local Government Area Boundary

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West Mokoan Solar Farm
Site Surrounds

Legend

- West Mokoan Site Boundary
- Railway Stations
- Railway Line
- Waterways
- Property Boundaries
- Local Government Area Boundary

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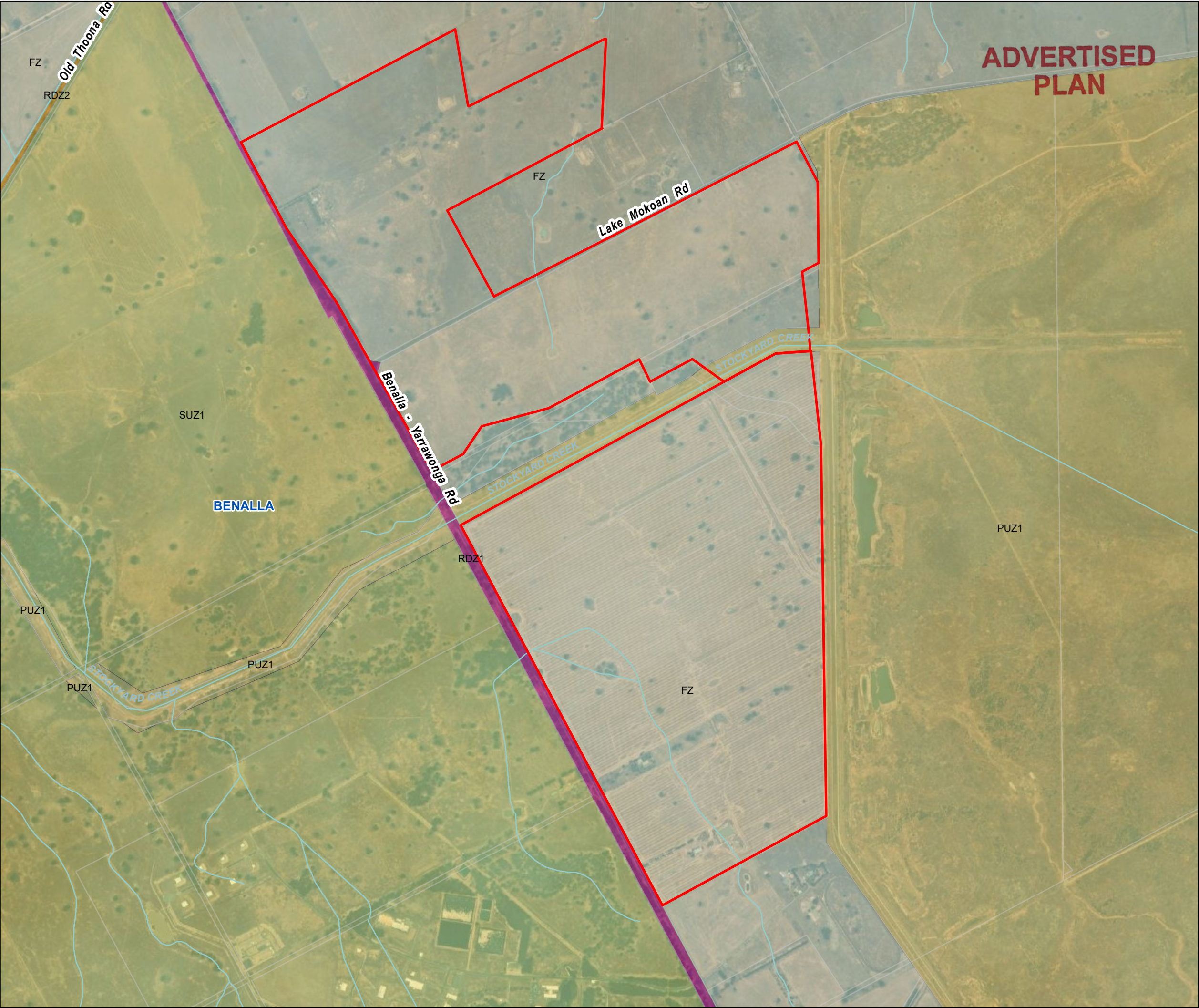
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West Mokoan Solar Farm
Site Zoning

- Legend
- West Mokoan Site Boundary
 - Railway Stations
 - Railway Line
 - Waterways
 - Property Boundaries
 - Local Government Area Boundary

- Planning Scheme Zones
- FZ - Farming Zone
 - PUZ1 - Public Use Zone - Service and Utility
 - RDZ1 - Road Zone - Category 1
 - RDZ2 - Road Zone - Category 2
 - SUZ - Special Uses Zone

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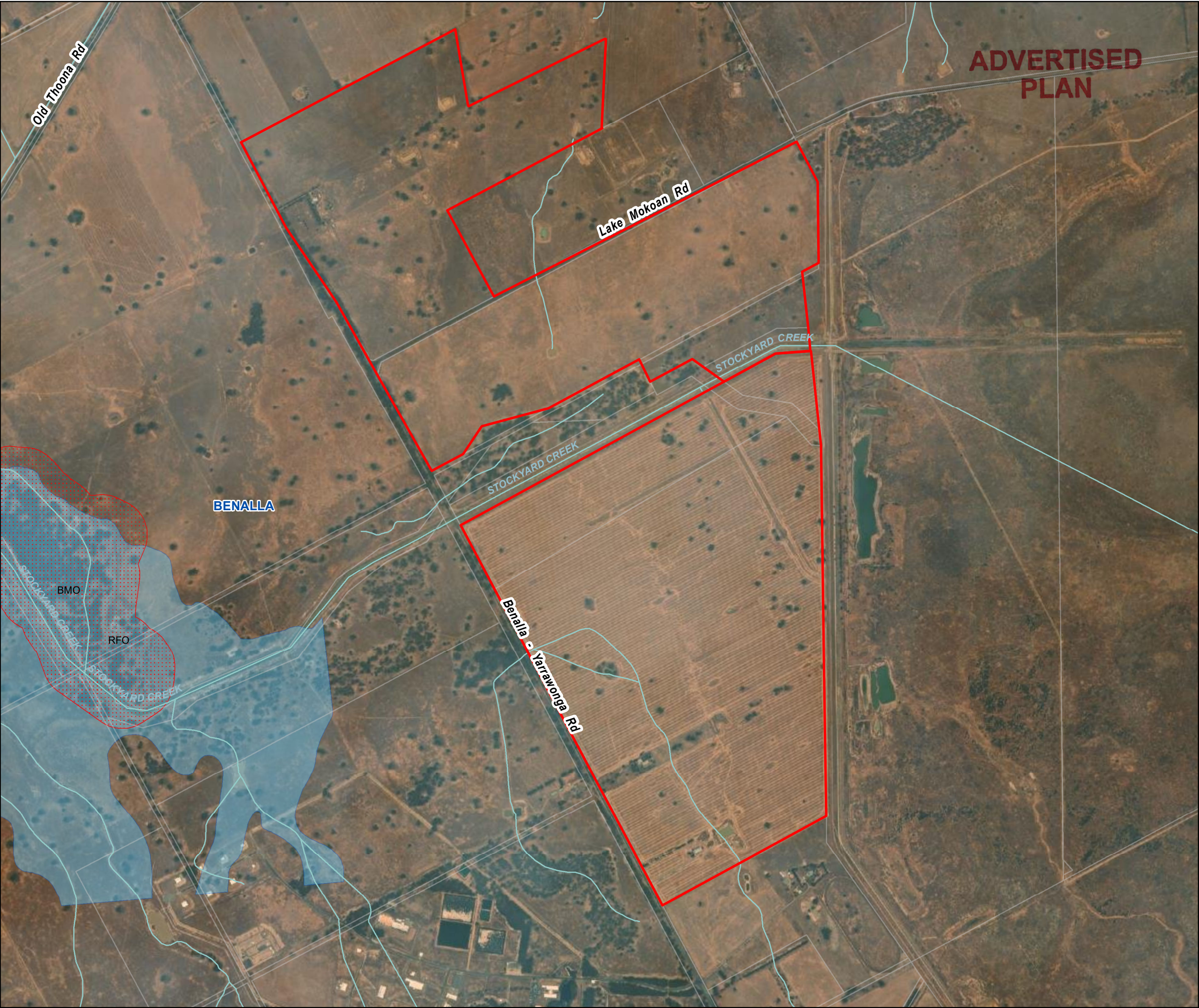
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West Mokoan Solar Farm
Site Overlays

Legend

- West Mokoan Site Boundary
- Railway Stations
- Railway Line
- Waterways
- Property Boundaries
- Local Government Area Boundary
- Planning Scheme Overlays
 - RFO - Rural Floodway Overlay
 - BMO - Bushfire Management Overlay

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West Mokoan Solar Farm
Areas of Aboriginal Cultural
Heritage Sensitivity

- Legend
- West Mokoan Site Boundary
 - Railway Stations
 - Railway Line
 - Waterways
 - Areas of Aboriginal Cultural Heritage Sensitivity
 - Property Boundaries
 - Local Government Area Boundary

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Km
0 0.15 0.3
1:15,000

West Mokoan Solar Farm
Landownership

Legend

- West Mokoan Site Boundary
- West Mokoan Parcel Boundaries
- Easements
- Railway Stations
- Railway Line
- Waterways
- Property Boundaries
- Local Government Area Boundary

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West Mokoan Solar Farm
Dwellings within 2km
of Site Boundary

Legend

- West Mokoan Site Boundary
- Site Boundary 2km Buffer
- Railway Stations
- Railway Line
- Property Boundaries

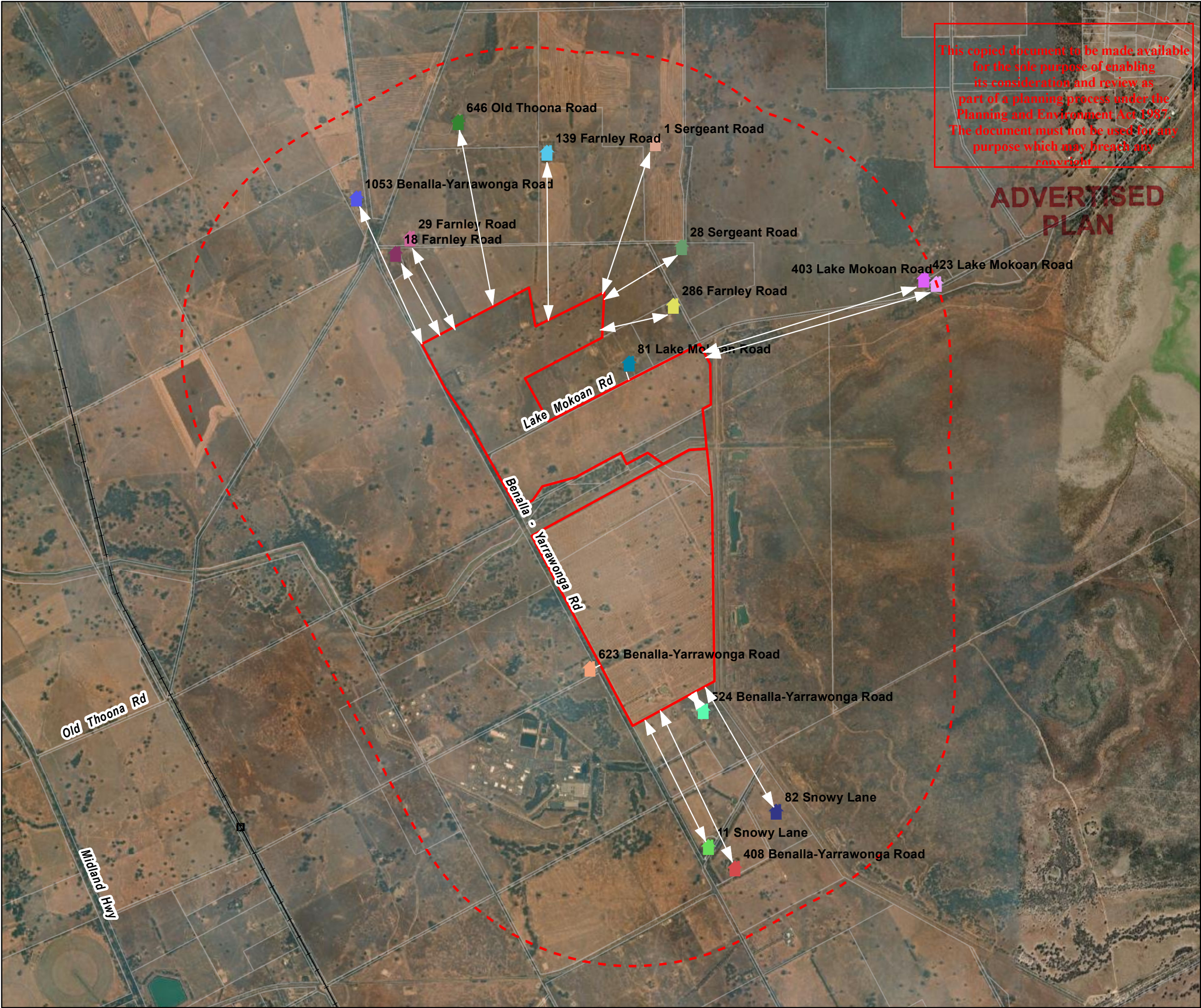
Dwellings	Distance from Site Boundary (m)
1 Sergeant Road	1,244
1053 Benalla-Yarrawonga Road	1,251
11 Snowy Lane	1,137
139 Farnley Road	1,326
18 Farnley Road	681
28 Sergeant Road	691
286 Farnley Road	571
29 Farnley Road	778
403 Lake Mokoan Road	1,826
408 Benalla-Yarrawonga Road	1,382
423 Lake Mokoan Road	1,988
524 Benalla-Yarrawonga Road	135
623 Benalla-Yarrawonga Road	70
646 Old Thoona Road	1,489
81 Lake Mokoan Road	64
82 Snowy Lane	1,133

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LEGEND

- 10m WIDE SCREEN PLANTING ZONE
- 5m WIDE SCREEN PLANTING ZONE
- EXISTING BOUNDARY VEGETATION TO BE RETAINED
- ENVIRONMENTAL VALUE (EVC HABITAT ZONES) TO BE RETAINED
- NATIVE VEGETATION ENHANCEMENT AREA - PROJECT AREA
- NATIVE VEGETATION ENHANCEMENT AREA - CROWN LAND
- VEGETATION MANAGEMENT AREA - PROJECT AREA
- VEGETATION MANAGEMENT AREA - CROWN LAND
- TRANSMISSION LINE EASEMENT
- POWERLINE EASEMENT
- DESIGNATED WATERWAYS
- PROPOSED 22kV EASEMENT REALIGNMENT
- SITE BOUNDARY FENCE
- 10m FIREBREAK OFFSET
- PROPOSED 4m WIDE ACCESS ROADS
- SENSITIVE AREAS
- SCATTERED TREES TO BE RETAINED (INCLUDING 15m TPZ)
- SCATTERED TREES TO BE REMOVED
- 'SITE ENTRANCE' AND 'DANGER' SIGNAGE
- BUSINESS IDENTIFICATION SIGNAGE (NOTE 9)
- 4.6 MVA PCU
- 2.3 MVA PCU
- ELEVATED 4.6 MVA PCU
- ELEVATED 2.3 MVA PCU
- 10dB REDUCTION OR 84dB SOUND POWER LEVEL SPECIFICATION FOR INVERTER (NOTE 12)
- 15dB REDUCTION OR 79dB SOUND POWER LEVEL SPECIFICATION FOR INVERTER (NOTE 12)
- SOLAR PANELS INSTALLED ON SINGLE AXIS TRACKER TABLES. EACH TABLE SUPPORTS 84 PANELS IN 3 STRINGS OF 28.
- ELEVATED SOLAR PANELS INSTALLED ON SINGLE AXIS TRACKER TABLES. EACH TABLE SUPPORTS 84 PANELS IN 3 STRINGS OF 28.

SYSTEM PARAMETERS

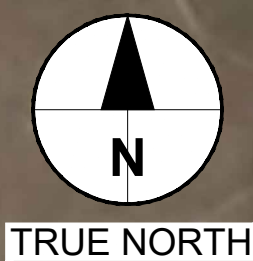
ITEM	TOTAL
NAMEPLATE AC CAPACITY (MVA) @35°C	234.6
MAXIMUM AC CAPACITY (MW) @ 35°C (PF 0.82)	192.37
DC CAPACITY (MW) @ STC	233.74
AVERAGE DC/AC RATIO	1.22
NUMBER OF PCUs (4.6MVA)	45
NUMBER OF PCUs (2.3MVA)	12
STRINGS PER 4.6MVA PCU	372
STRINGS PER 2.3MVA PCU	186
MODULES PER 4.6MVA PCU	10,416
MODULES PER 2.3MVA PCU	5,208
TOTAL NUMBER OF TRACKERS	6,324
TOTAL STRINGS	18,972
TOTAL MODULES	531,216

SYSTEM CONFIGURATION

ITEM	SYSTEM SIZE
SOLAR MODULE	440W, 144 CELLS MONOCRYSTALLINE, 1500VDC
MODULE DIMENSIONS	2115mm x 1052mm
STRING CONFIGURATION	28 MODULES PER STRING
TRACKER SYSTEM MAKE/MODEL	SINGLE AXIS TRACKING, 2 MODULE IN PORTRAIT 3 STRINGS PER TRACKER
PCU (NAMEPLATE CAPACITY)	4.6 MVA (2 X 2.3 MVA INVERTERS @ 35°C) & 2.3 MVA (1 X 2.3 MVA INVERTER @ 35°C)
PCU (DERATED CAPACITY)	3.77 MW (PF 0.82) & 1.886 MW (PF 0.82)
TRACKER AXIS AZIMUTH ANGLE	0°
ROW SPACING (CENTRE TO CENTRE)	7.5 m
GCR - GROUND COVERAGE RATIO	0.565
DC SYSTEM VOLTAGE	1500V

NOTES:

- E-1, E-2 AND E-5 TRANSMISSION LINE EASEMENT. WIDTH OF EASEMENT RANGING BETWEEN 61m - 74m.
- EASEMENT E-3, E-4 AND E-5. 14m WIDE DISTRIBUTION LINE EASEMENT.
- LOCATION OF INVERTERS TO BE CONFIRMED DURING DETAILED DESIGN.
- ACCESS TRACK DESIGN TO BE UNDERTAKEN DURING THE DETAILED DESIGN PHASE. ACCESS TRACKS SHOWN ARE INDICATIVE ONLY.
- SITE ENTRANCE GATES TO BE CONFIRMED DURING DETAILED DESIGN.
- SUBSTATION DIMENSIONS APPROXIMATE ONLY.
- DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- NATIVE VEGETATION THAT HAS NOT BEEN IDENTIFIED TO BE RETAINED MAY BE REMOVED WHERE NECESSARY, SUBJECT TO DELWP NATIVE VEGETATION REMOVAL PERMIT APPROVAL. NATIVE VEGETATION SHOULD BE RETAINED WHERE PRACTICABLE.
- BUSINESS IDENTIFICATION SIGNAGE (1m (L) x 1m (W)) SHALL BE LOCATED AT THE DESIGNATED MAIN ENTRANCE OF EACH MAIN PROPERTY.
- ENTRY/ACCESS POINTS TO BE DESIGNED IN ACCORDANCE WITH VICROADS STANDARD DRAWING GD4010 - TYPICAL ACCESS TO RURAL PROPERTIES.
- PROPOSED OVERHEAD LINE ROUTES AND LOCATIONS ARE INDICATIVE ONLY AND SHALL BE CONFIRMED DURING DETAILED DESIGN. THE OVERHEAD LINE INFRASTRUCTURE SHALL BE DESIGNED AND CONSTRUCTED TO ENSURE NO IMPACT ON NATIVE VEGETATION. DESIGN AND CONSTRUCTION WILL NOT OCCUR IN THE CREEK LAND AND/OR CHANNEL (APPROACH TBC BY SOUTH ENERGY).
- PCU NOISE REDUCTIONS BASED ON 94 dB(A) SOUND POWER LEVEL SPECIFICATIONS PER INVERTER.



AECOM

PROJECT

WEST MOKOAN
SOLAR FARM
CONCEPT DESIGNBENALLA
Victoria

CLIENT

892 YARRAWONGA
DEVELOPMENT Pty Ltd
Level 10, 420 George Street
Sydney, NSW 2000

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
727 COLLINS STREET, LEVEL 10, TOWER TWO
MELBOURNE, VIC 3008
613 9653 1234 tel 613 9654 7117 fax
www.aecom.com

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ISSUE/REVISION

12	12/08/2021	REVISED ISSUE
11	03/06/2021	REVISED ISSUE
10	12/05/2021	REVISED ISSUE
9	13/04/2021	REVISED PER CLIENT REVIEW
14	12/10/2021	CHANGE OF OWNERSHIP
13	13/09/2021	REVISED ISSUE
1/R	DATE	DESCRIPTION

PROJECT NUMBER

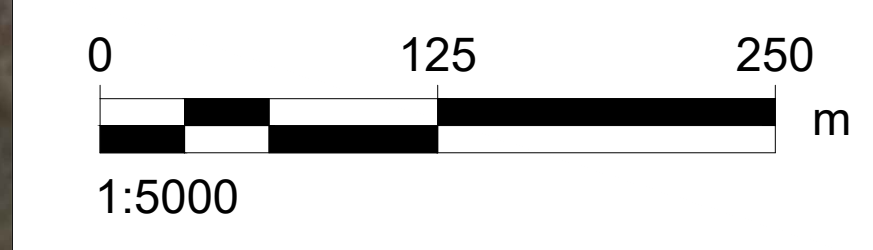
60597809

SHEET TITLE

WEST MOKOAN
SOLAR FARM
CONCEPT LAYOUT

SHEET NUMBER

60597809-DWG-EL-0003

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SOLAR PV PLANT

SCALE 1:5000

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LEGEND

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DC SYSTEM VOLTAGE	1500V

NOTES:

1.

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2.

EASEMENT E-3, E-4 AND E-5. 14m WIDE DISTRIBUTION LINE EASEMENT.

3.

LOCATION OF INVERTERS TO BE CONFIRMED DURING DETAILED DESIGN.

4.

ACCESS TRACK DESIGN TO BE UNDERTAKEN DURING THE DETAILED DESIGN PHASE. ACCESS TRACKS SHOWN ARE INDICATIVE ONLY.

5.

SITE ENTRANCE GATES TO BE CONFIRMED DURING DETAILED DESIGN.

6.

SUBSTATION DIMENSIONS APPROXIMATE ONLY.

7.

DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

8.

NATIVE VEGETATION THAT HAS NOT BEEN IDENTIFIED TO BE RETAINED MAY BE REMOVED WHERE NECESSARY. SUBJECT TO DELWP NATIVE VEGETATION REMOVAL PERMIT APPROVAL. NATIVE VEGETATION SHOULD BE RETAINED WHERE PRACTICABLE.

9.

BUSINESS IDENTIFICATION SIGNAGE (1m (L) x 1m (W)) SHALL BE LOCATED AT THE DESIGNATED MAIN ENTRANCE OF EACH MAIN PROPERTY.

10.

ENTRY/ACCESS POINTS TO BE DESIGNED IN ACCORDANCE WITH VICROADS STANDARD DRAWING GD4010 - TYPICAL ACCESS TO RURAL PROPERTIES.

11.

PROPOSED OVERHEAD LINE ROUTES AND LOCATIONS ARE INDICATIVE ONLY AND SHALL BE CONFIRMED DURING DETAILED DESIGN. THE OVERHEAD LINE INFRASTRUCTURE SHALL BE DESIGNED AND CONSTRUCTED TO ENSURE NO IMPACT ON NATIVE VEGETATION. DESIGN AND CONSTRUCTION WILL NOT OCCUR IN THE CREEK LAND AND/OR CHANNEL (APPROACH TBC BY SOUTH ENERGY).

12.

PCU NOISE REDUCTIONS BASED ON 94 dB(A) SOUND POWER LEVEL SPECIFICATIONS PER INVERTER.

10m FIREBREAK OFFSET

PROPOSED 4m WIDE ACCESS ROADS

SENSITIVE AREAS

SCATTERED TREES TO BE RETAINED (INCLUDING 15m TPZ)

SCATTERED TREES TO BE REMOVED

'SITE ENTRANCE' AND 'DANGER' SIGNAGE

BUSINESS IDENTIFICATION SIGNAGE (NOTE 9)

4.6 MVA PCU

2.3 MVA PCU

ELEVATED 4.6 MVA PCU

ELEVATED 2.3 MVA PCU

10dB REDUCTION OR 84dB SOUND POWER LEVEL SPECIFICATION FOR INVERTER (NOTE 12)

15dB REDUCTION OR 79dB SOUND POWER LEVEL SPECIFICATION FOR INVERTER (NOTE 12)

SOLAR PANELS INSTALLED ON SINGLE AXIS TRACKER TABLES. EACH TABLE SUPPORTS 84 PANELS IN 3 STRINGS OF 28.

ELEVATED SOLAR PANELS INSTALLED ON SINGLE AXIS TRACKER TABLES. EACH TABLE SUPPORTS 84 PANELS IN 3 STRINGS OF 28.



AECOM

PROJECT

WEST MOKOAN
SOLAR FARM
CONCEPT DESIGN

BENALLA
Victoria

CLIENT

892 YARRAWONGA
DEVELOPMENT Pty Ltd
Level 10, 420 George Street
Sydney, NSW 2000

lightsourcebp

South Energy

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
727 COLLINS STREET, LEVEL 10, TOWER TWO
MELBOURNE, VIC 3008
613 9653 1234 tel 613 9654 7117 fax
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3	07/06/2021	REVISED ISSUE
2	14/05/2021	REVISED ISSUE
1	13/04/2021	FOR ISSUE
IR	DATE	DESCRIPTION

PROJECT NUMBER

60597809

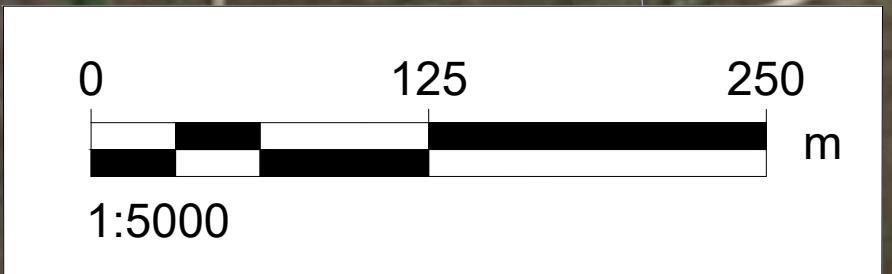
SHEET TITLE

WEST MOKOAN
SOLAR FARM
ELEVATED VS NON-ELEVATED

SHEET NUMBER

60597809-DWG-EL-0005

ADVERTISED
PLAN



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SOLAR PV PLANT

SCALE 1:5000

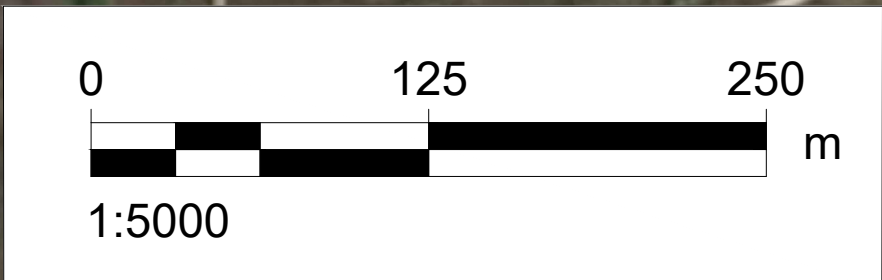
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Last saved by: ZHOUJ2021-10-12, Last Printed: 2021-10-12, File Name: P:\60597809\60597809\900_CAD_GS910_CAD\20_SHEET\60597809-DWG-EL-0004.DWG



- LEGEND**
- TRANSMISSION LINE EASEMENT
 - EXISTING POWERLINE EASEMENT
 - EXISTING POWERLINE EASEMENT TO BE REMOVED
 - EXISTING POWERLINE
 - PROPOSED POWERLINE EASEMENT REALIGNMENT
 - SITE BOUNDARY FENCE
 - TITLE BOUNDARY

- NOTES:**
- E-1, E-2 AND E-5 TRANSMISSION LINE EASEMENT.
 - EASEMENT E-3, E-4 AND E-5.
 - DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

SOLAR PV PLANT
SCALE 1:5000



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SOLAR FARM
CONCEPT DESIGN**

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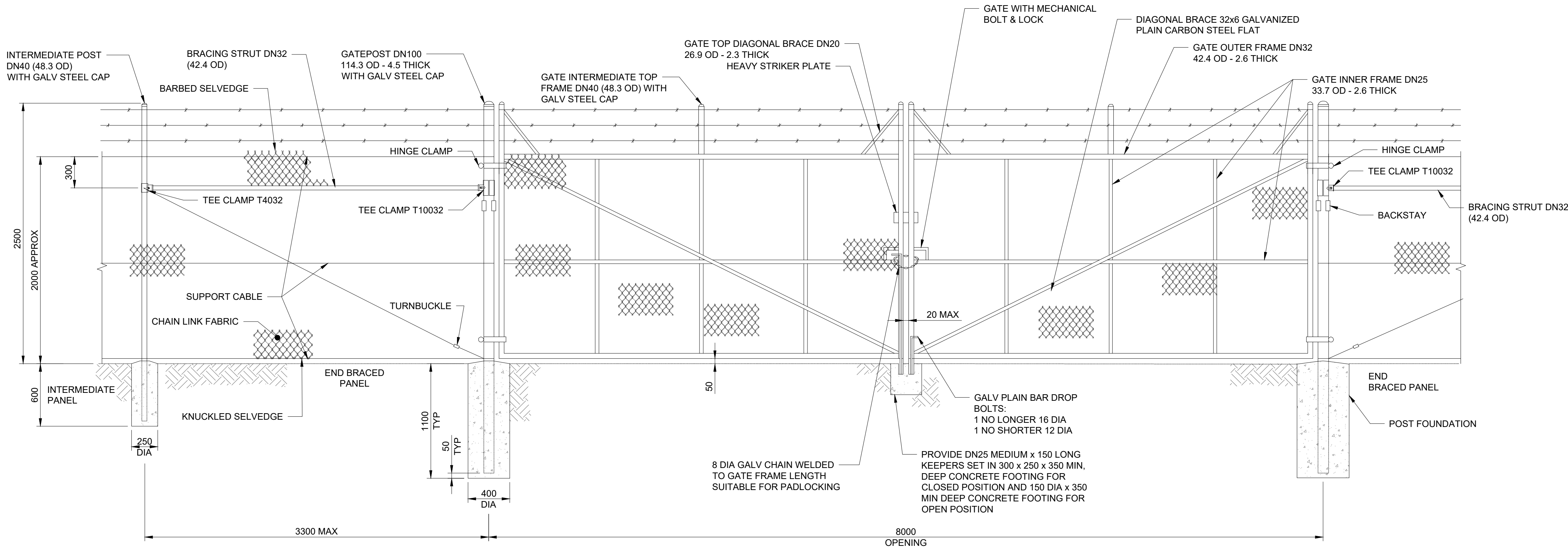
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IR	DATE	DESCRIPTION

PROJECT NUMBER
60597809
SHEET TITLE
WEST MOKOAN
SOLAR FARM
POWERLINE EASEMENT PLAN
SHEET NUMBER
60597809-DWG-EL-0004

**ADVISED
PLAN**

ISO A1 594mm x 841mm
Approved: C.B.
Checked: C.O.
Designer: C.ON
Project Management Initials:
Last saved by: ZHOJH2(2021-10-12) Last Plotted: 2021-10-12
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8m WIDE SECURITY GATE FRONT ELEVATION

Scale 1:25

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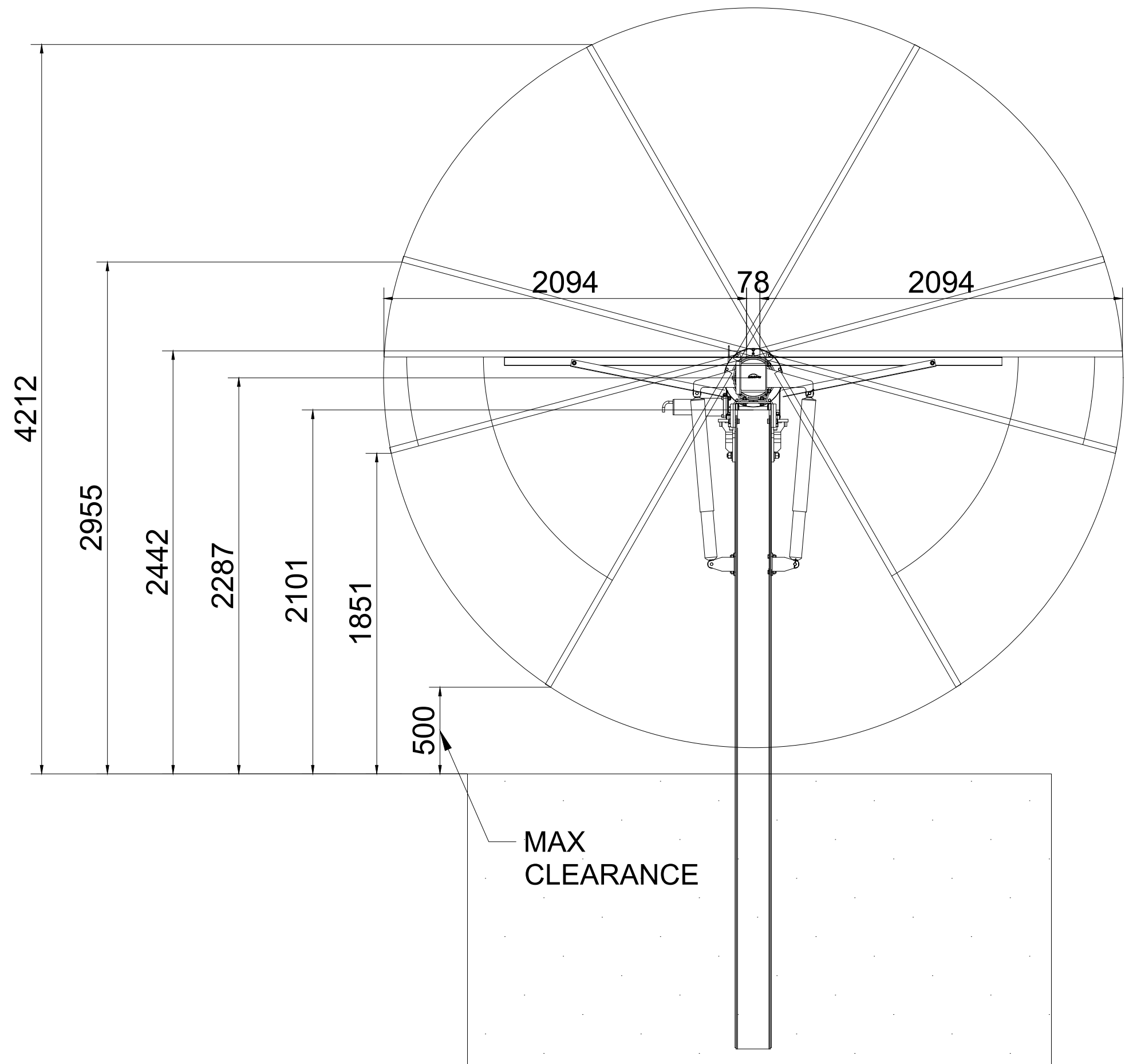
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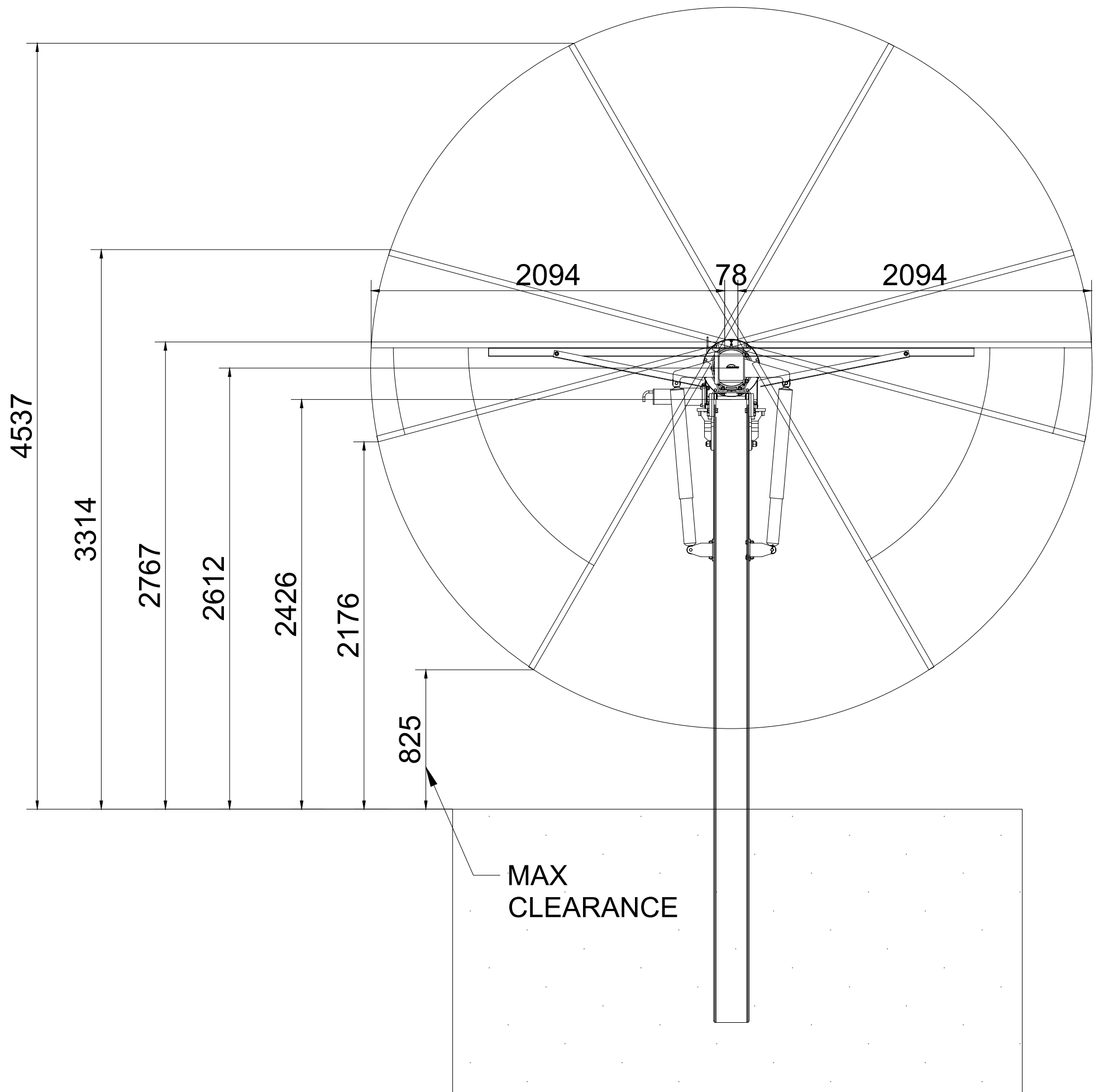
SOLAR FARM
TYPICAL FENCE
ELEVATION

SHEET NUMBER

60597809-DWG-EL-1020



TRACKER ELEVATION
N.T.S



ELEVATED TRACKER ELEVATION
N.T.S

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KEY PLAN

PROJECT NUMBER

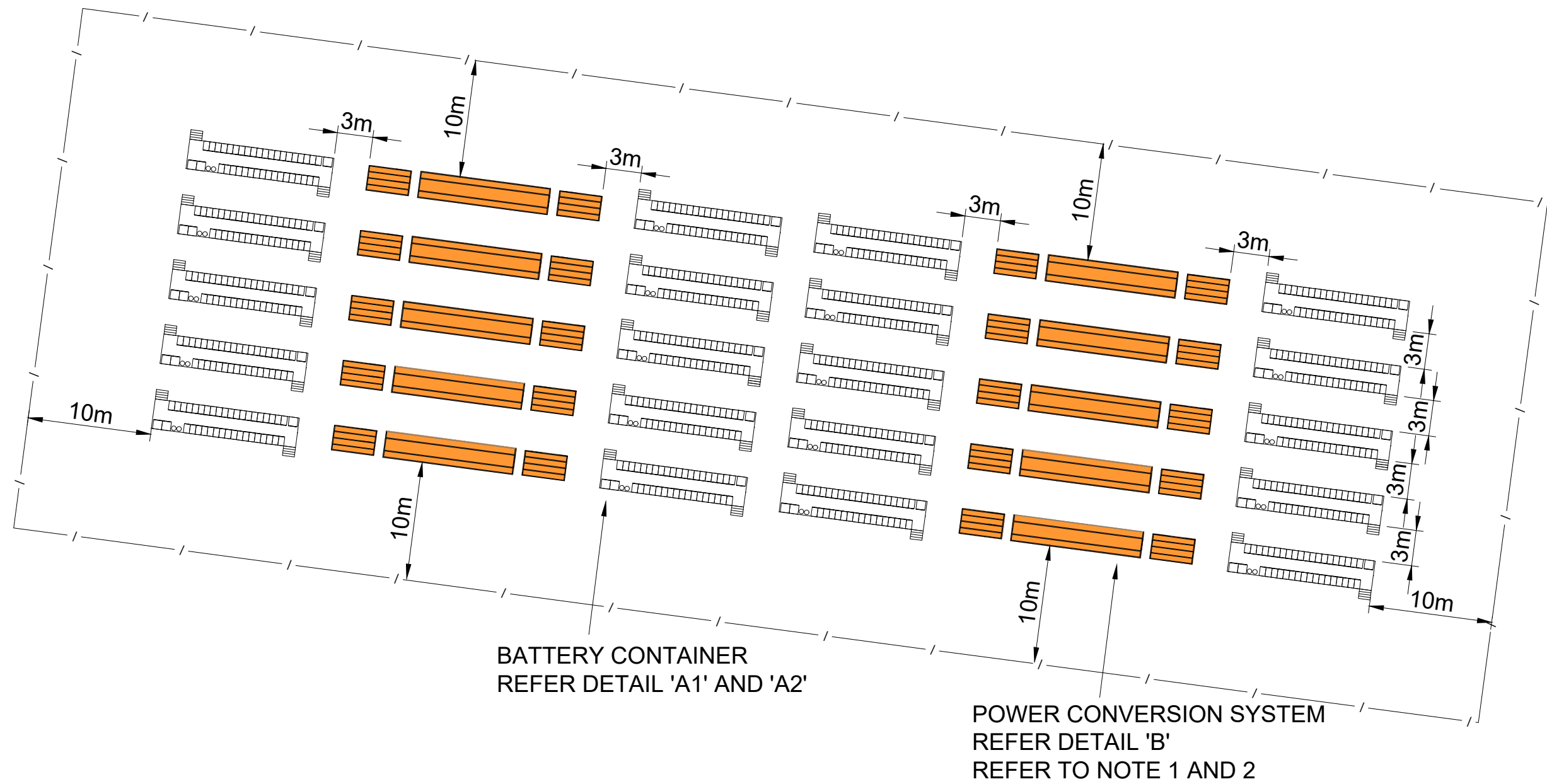
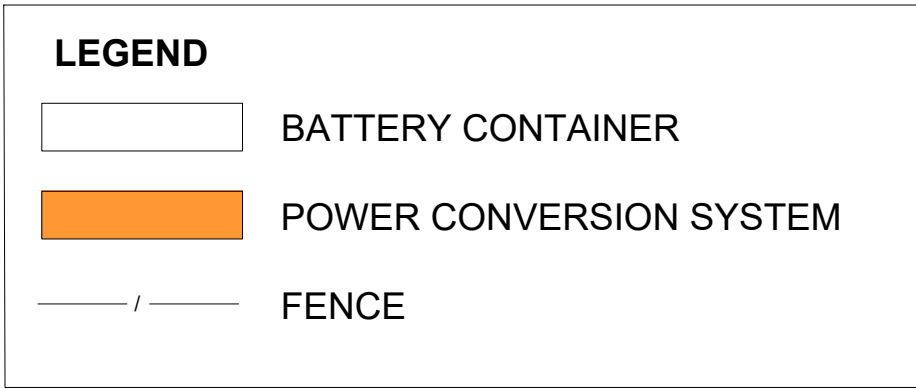
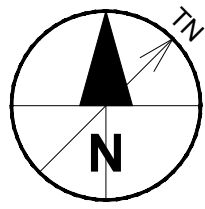
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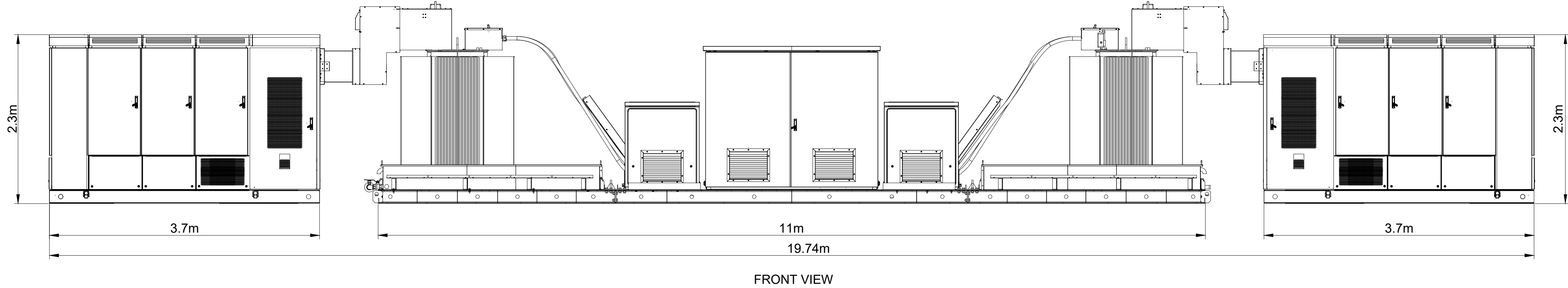
SOLAR FARM
TYPICAL TRACKER
ELEVATION

SHEET NUMBER

60597809-DWG-EL-1021



EXAMPLE LAYOUT PLAN
Scale 1:400



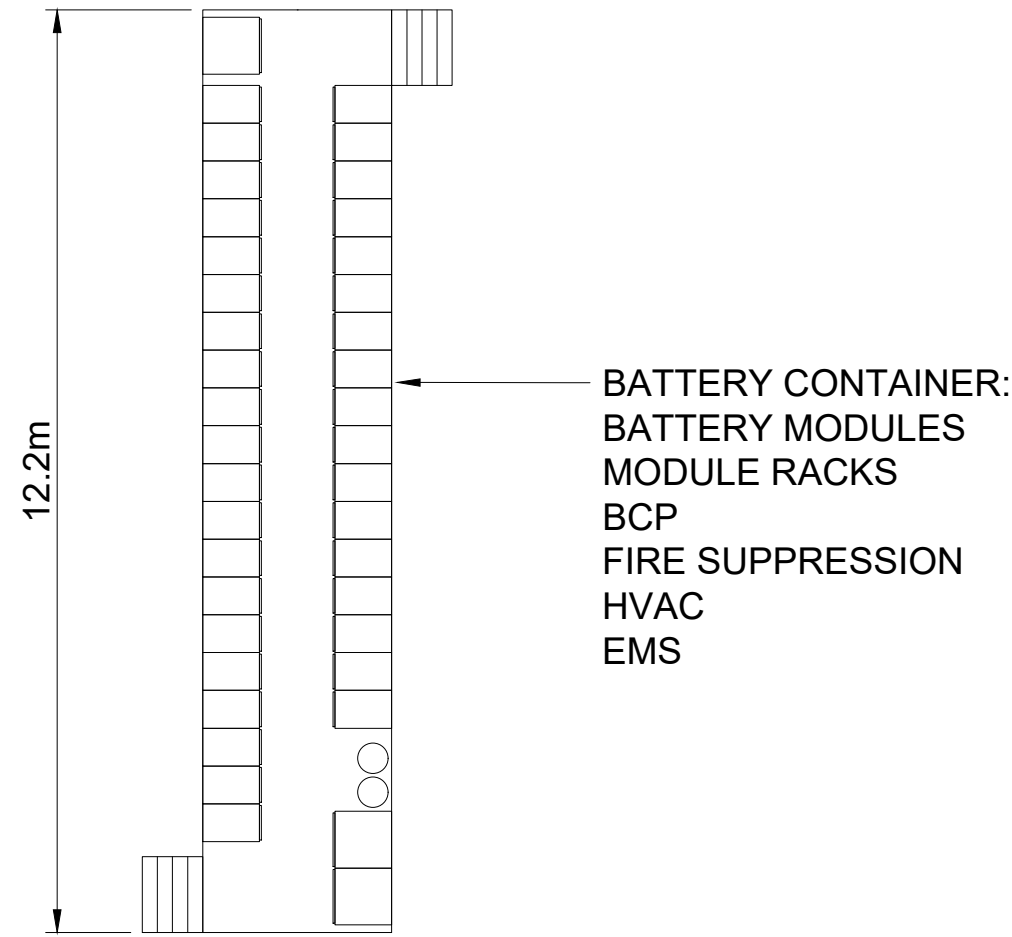
B DETAIL
Scale 1:35 mm

REFER TO NOTE 1 AND 2

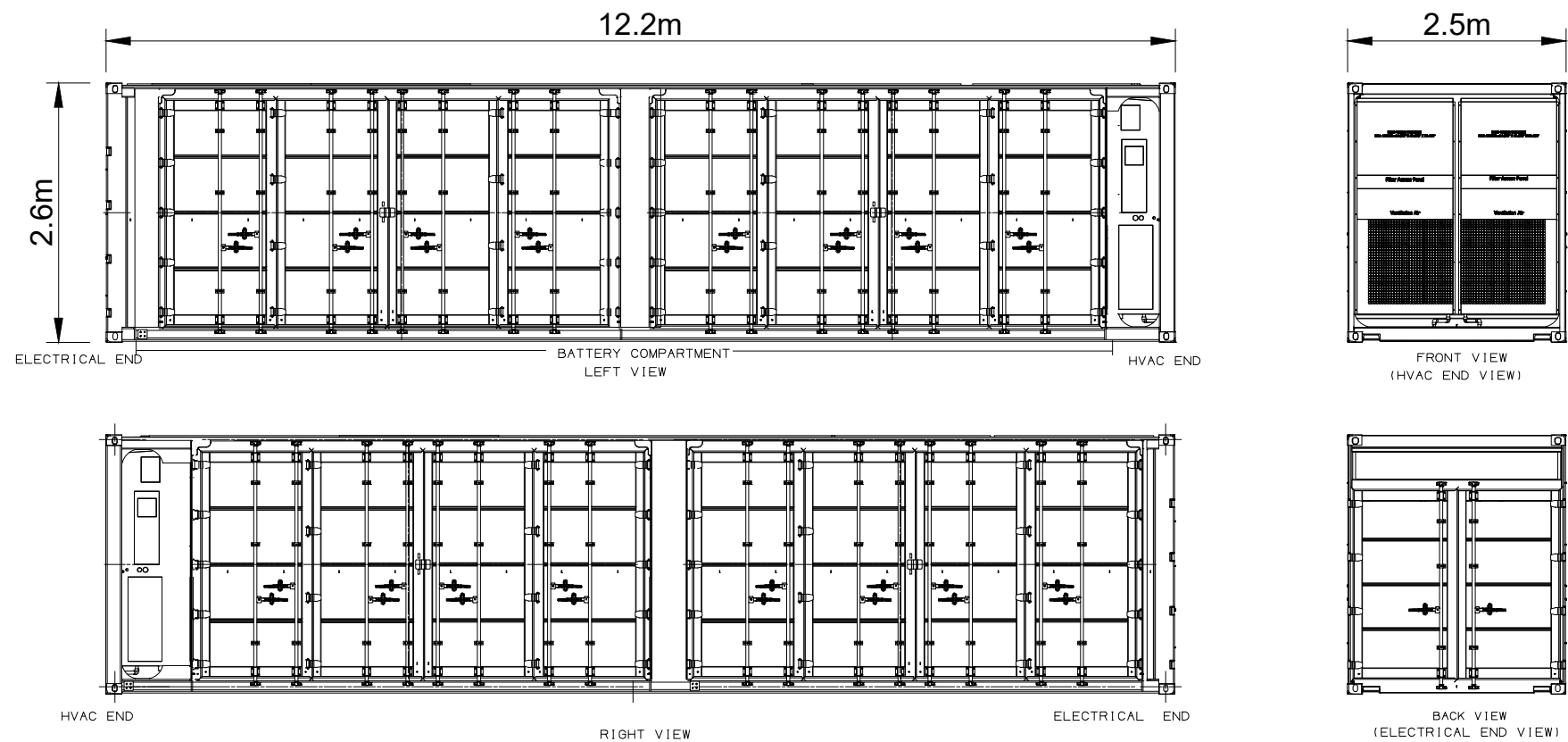
ADVERTISED PLAN

NOTES:

- ALL PCUs IN BESS FACILITY TO BE REDUCED BY 10dB, OR MEET 84dB SOUND POWER LEVEL SPECIFICATION.
- PCU NOISE REDUCTIONS BASED ON 94 dB(A) SOUND POWER LEVEL SPECIFICATIONS PER INVERTER.



A1 DETAIL
Scale 1:100



A2 DETAIL
Scale 1:100

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5	20/09/2021	REVISED ISSUE
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1	10/08/2020	REVISED ISSUE
6	12/10/2021	CHANGE OF OWNERSHIP
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60597809

SHEET TITLE

BESS
TYPICAL LAYOUT
AND ELEVATION

SHEET NUMBER

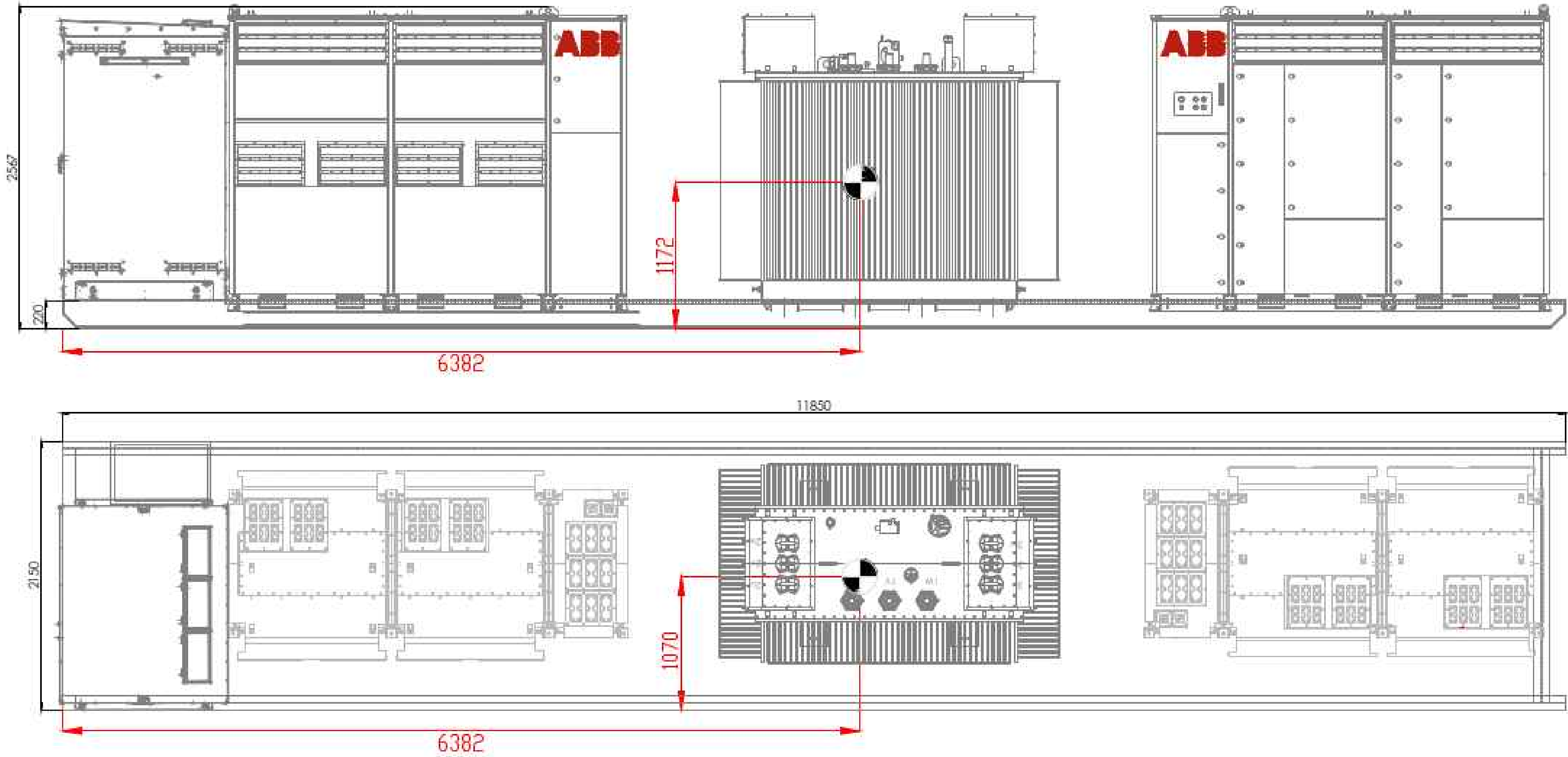
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Checked: J.C.
Designer: R.L.
Project Management Initials:
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EXAMPLE PCU ELEVATION
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- NOTES:
- ELEVATED PCUs SHALL BE ELEVATED 300mm ABOVE 1% AEP FLOOD LEVEL ON PILES. REFER TO SHEET 2 FOR TYPICAL ELEVATION OF ELEVATED PCUs.

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KEY PLAN

PROJECT NUMBER

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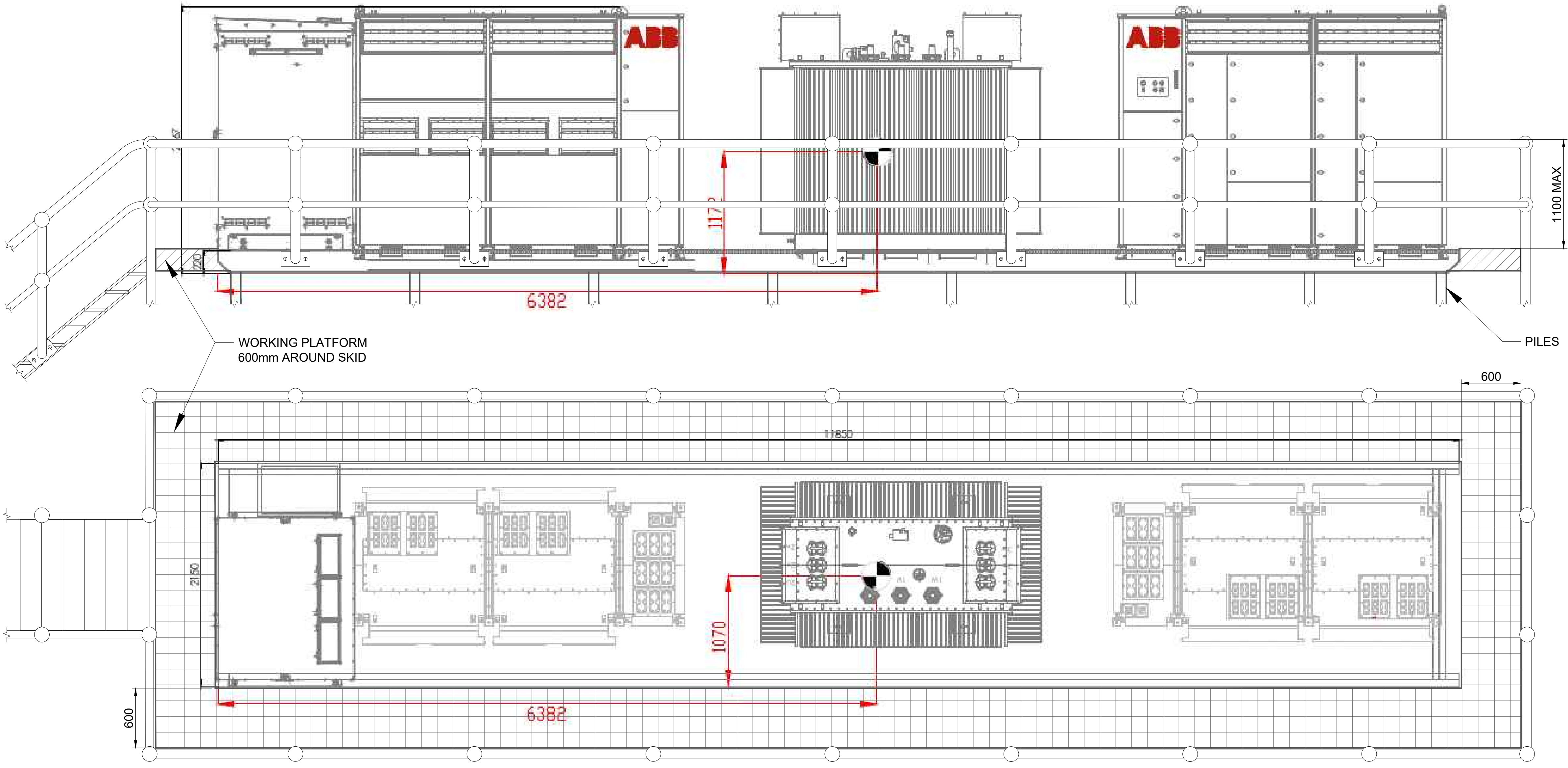
SHEET TITLE

SOLAR FARM
EXAMPLE PCU
PLAN AND ELEVATION - SHEET 1

SHEET NUMBER

SHT-EL-1024-1

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Designer: J.C.
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EXAMPLE ELEVATED PCU ELEVATION
N.T.S

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KEY PLAN

PROJECT NUMBER

60597809

SHEET TITLE

SOLAR FARM
EXAMPLE ELEVATED PCU
PLAN AND ELEVATION - SHEET 2

SHEET NUMBER

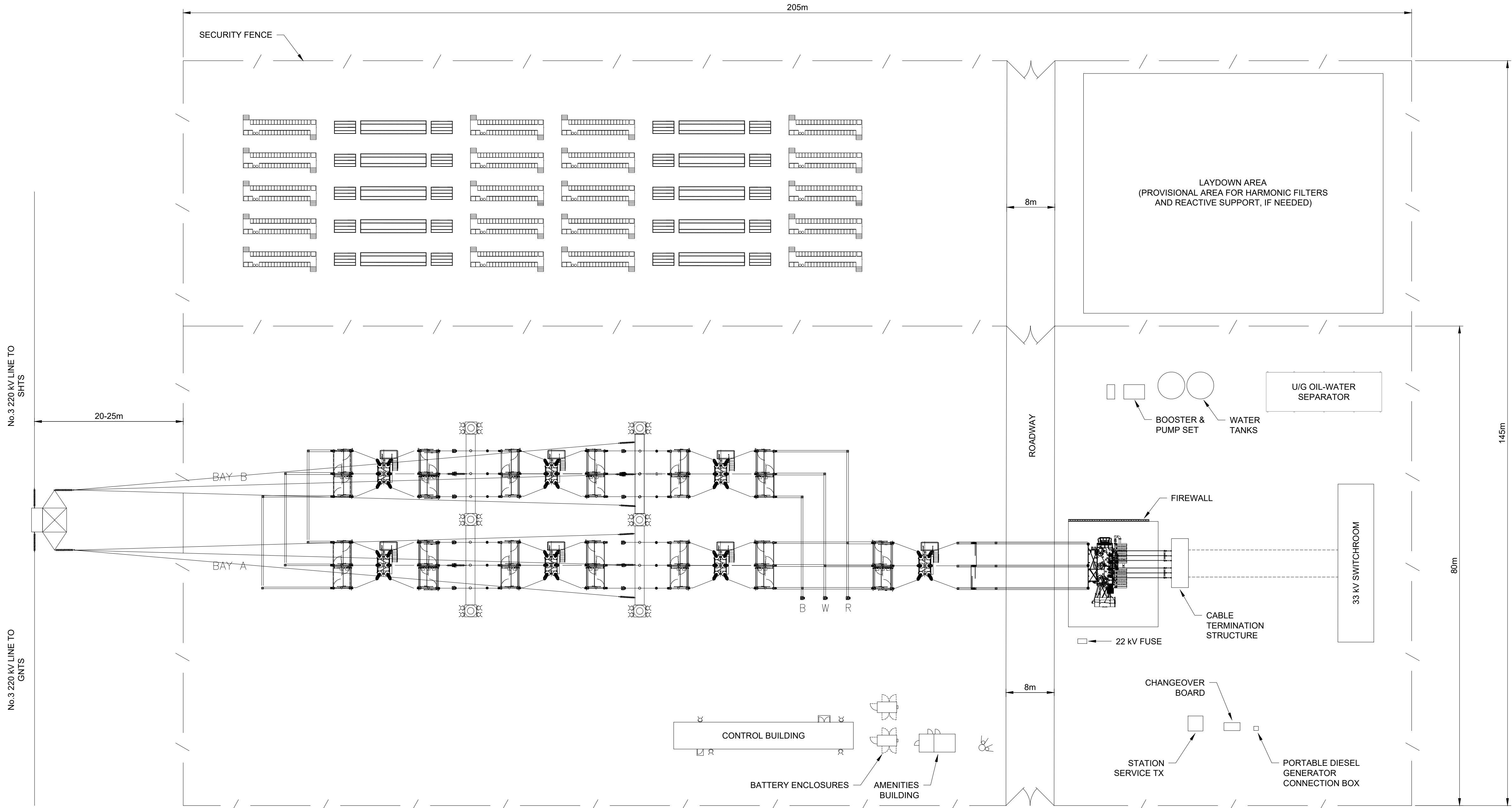
SHT-EL-1024-2

NOTES:

- ELEVATED PCUs SHALL BE ELEVATED 300mm ABOVE 1% AEP FLOOD LEVEL ON PILES.
- HAND RAIL TO BE DESIGNED IN ACCORDANCE WITH AS 1657.

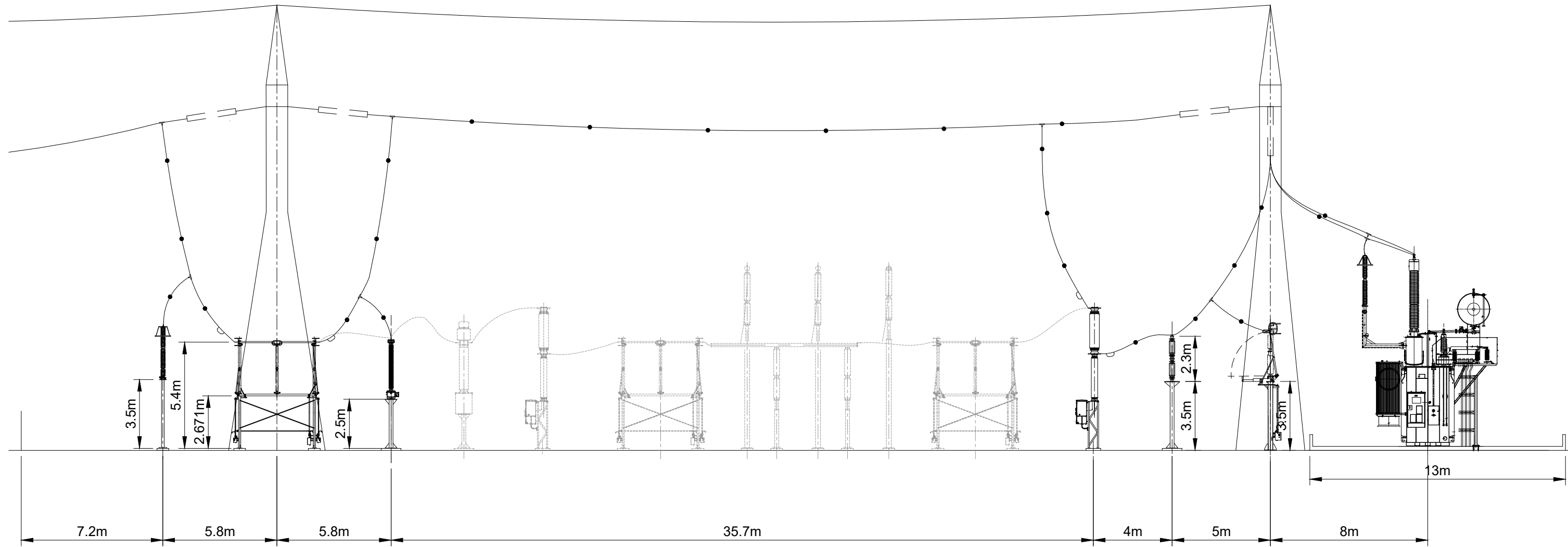
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Project Management Initials: Designer: J.C. Checked: J.C. Approved: R.H.
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EXAMPLE 220/33 kV SUBSTATION PLAN

Scale 1:400



EXAMPLE SUBSTATION ELEVATION (NOTE 3)

Scale 1:200

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2. THIS DRAWING IS FOR ESTIMATION PURPOSES ONLY, AND IS NOT FOR CONSTRUCTION. DIMENSIONS AND DETAILS ARE SUBJECT TO DETAILED DESIGN.
3. THE ELEVATION PROVIDED IS FOR INFORMATION ONLY TO INDICATE APPROXIMATE HEIGHTS OF SUBSTATION EQUIPMENT AND DOES NOT ACCURATELY RELATE TO THE EXAMPLE SUBSTATION PLAN. ARRANGEMENT, DIMENSIONS AND DETAILS OF EQUIPMENT ARE SUBJECT TO DETAILED DESIGN.

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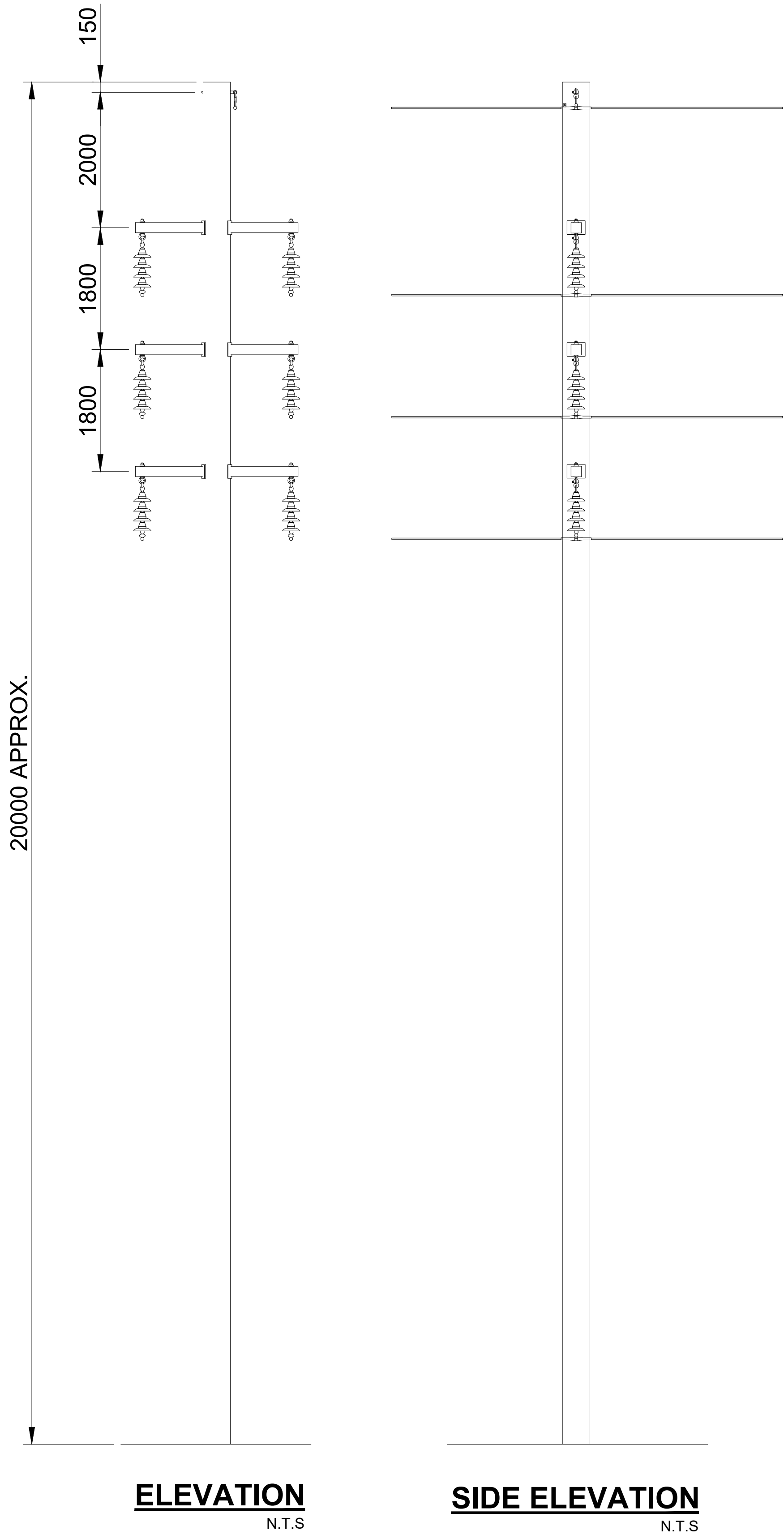
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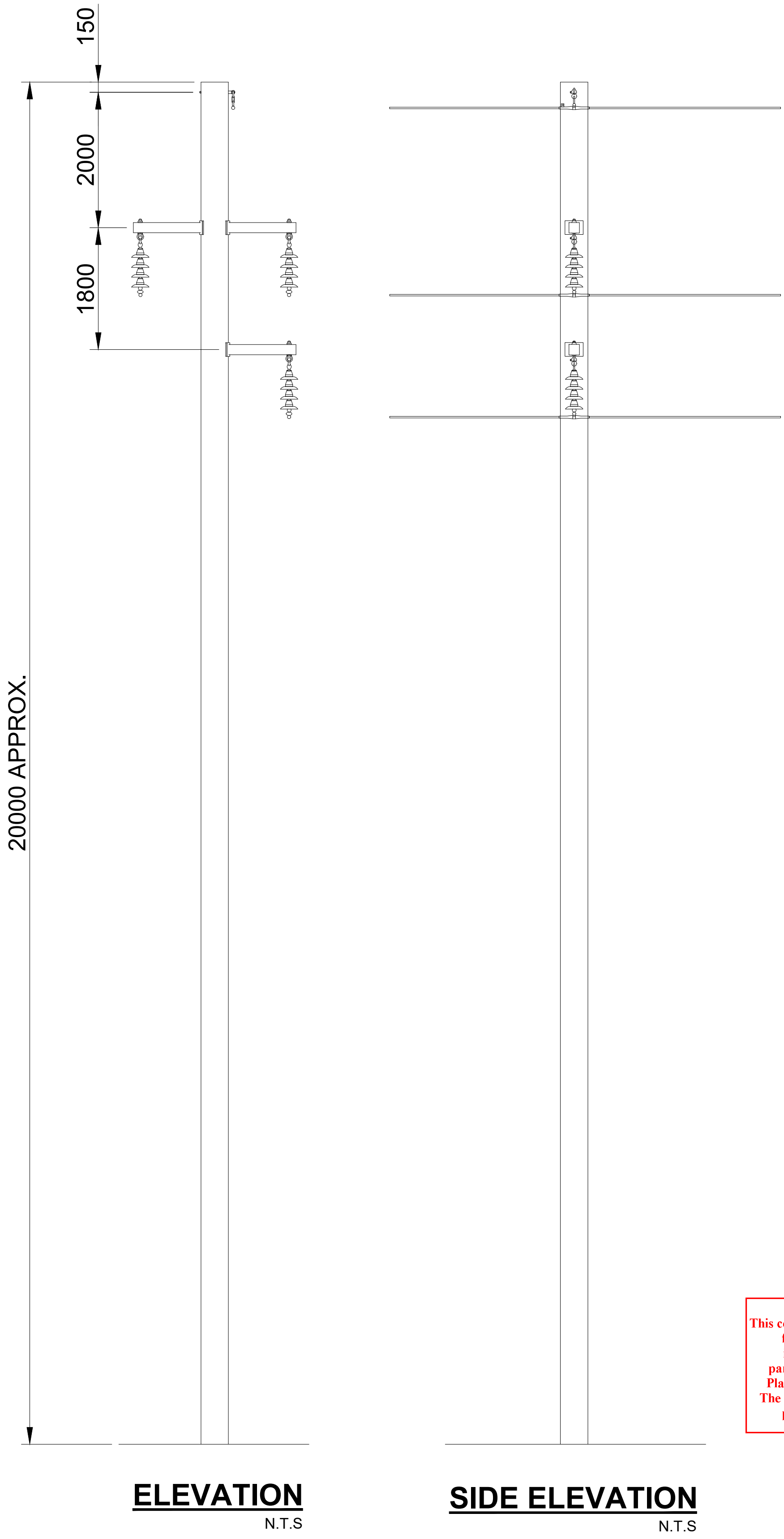
SOLAR FARM
TYPICAL UTILITY AREA
PLAN AND ELEVATION

SHEET NUMBER

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DOUBLE CIRCUIT 33kV POLE



SINGLE CIRCUIT 33kV POLE

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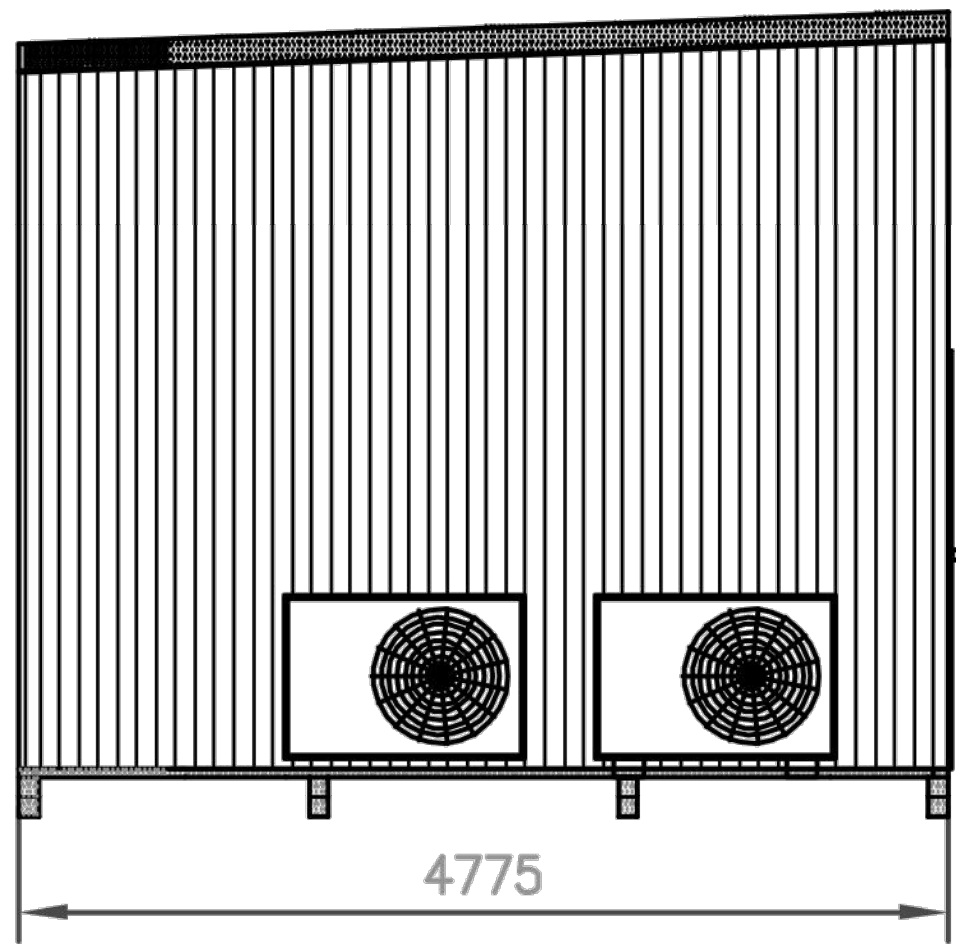
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SOLAR FARM
33kV POLE
TYPICAL ELEVATIONS

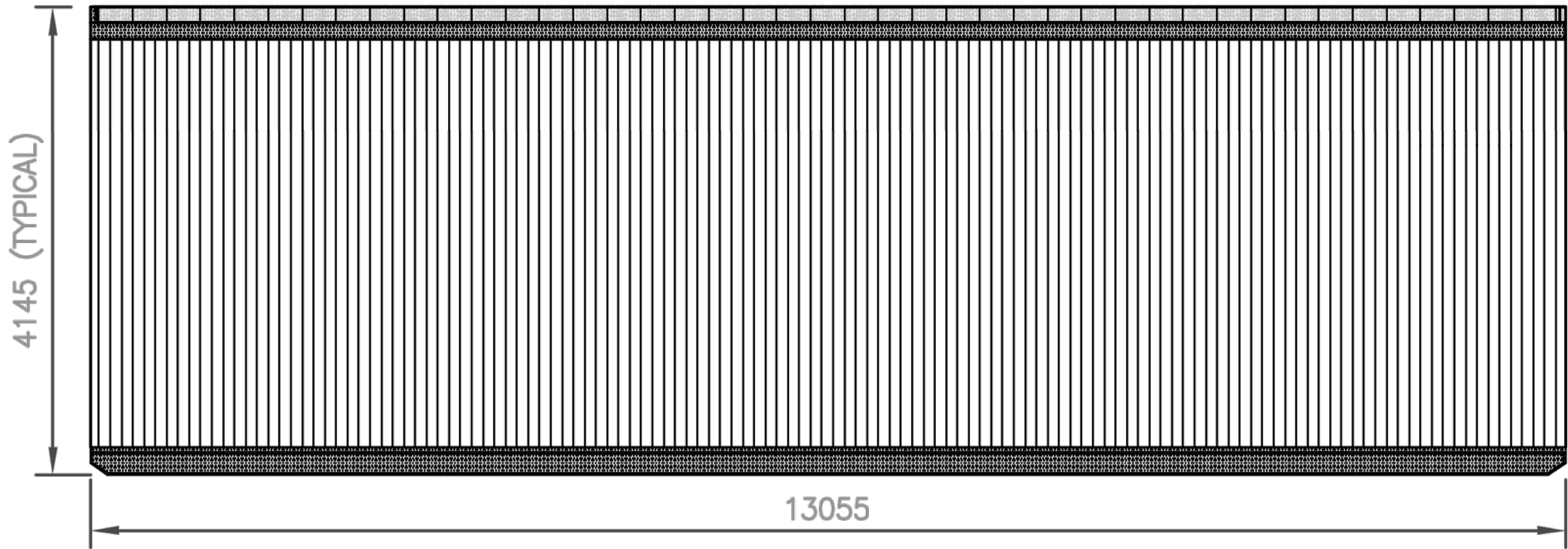
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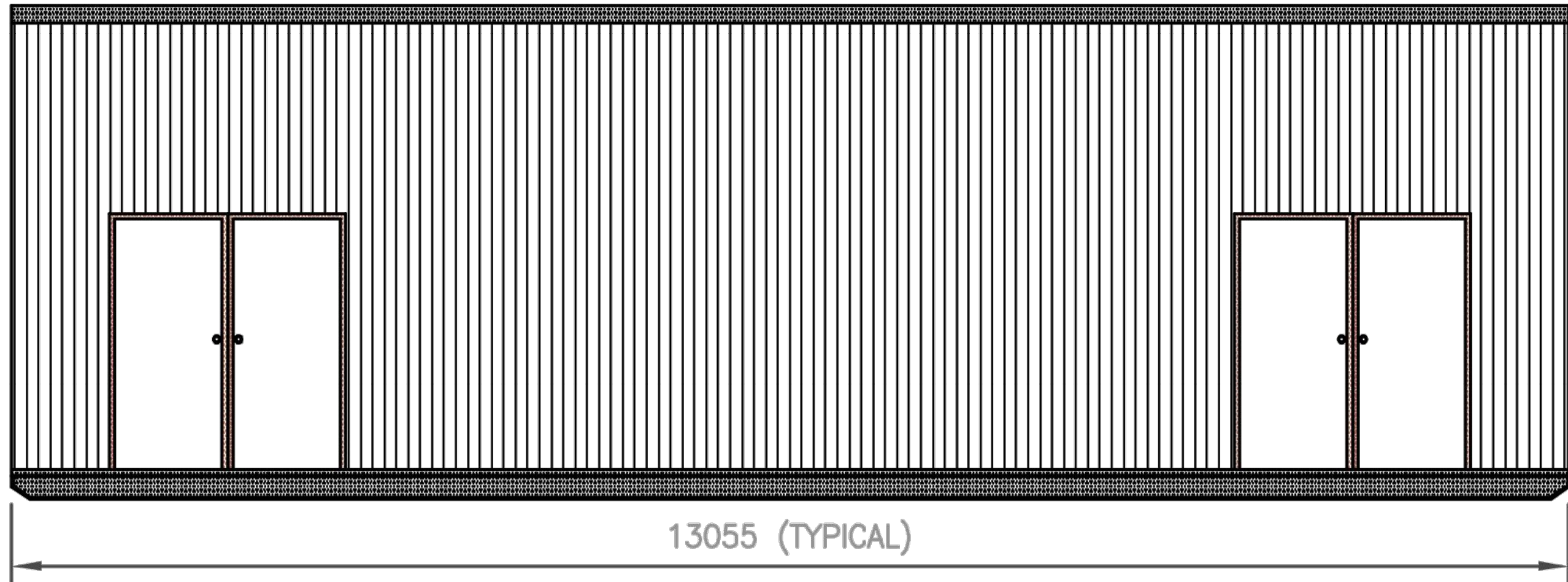
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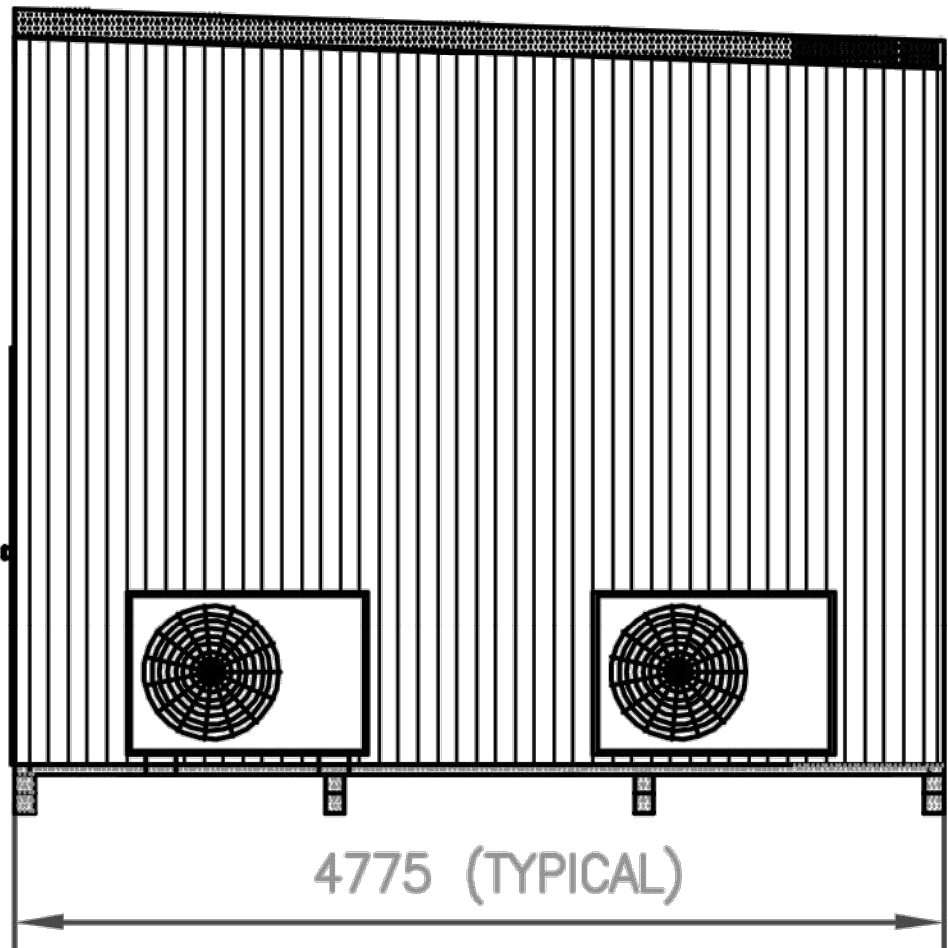
LEFT ELEVATION



REAR ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

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TYPICAL SWITCH ROOM ELEVATIONS

NTS

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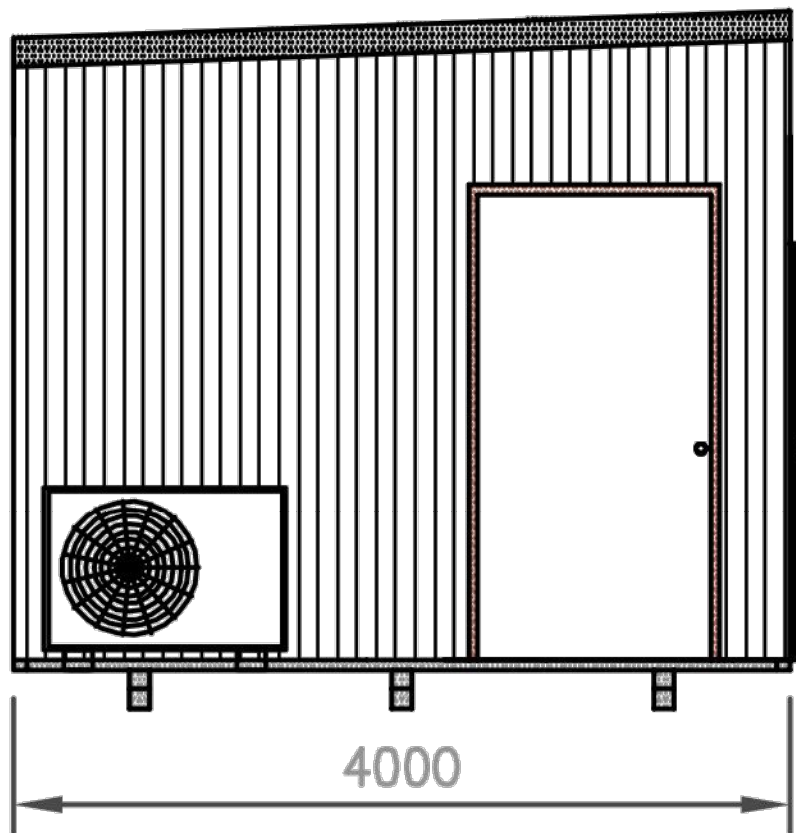
SOLAR FARM
TYPICAL SWITCH ROOM
ELEVATIONS

SHEET NUMBER

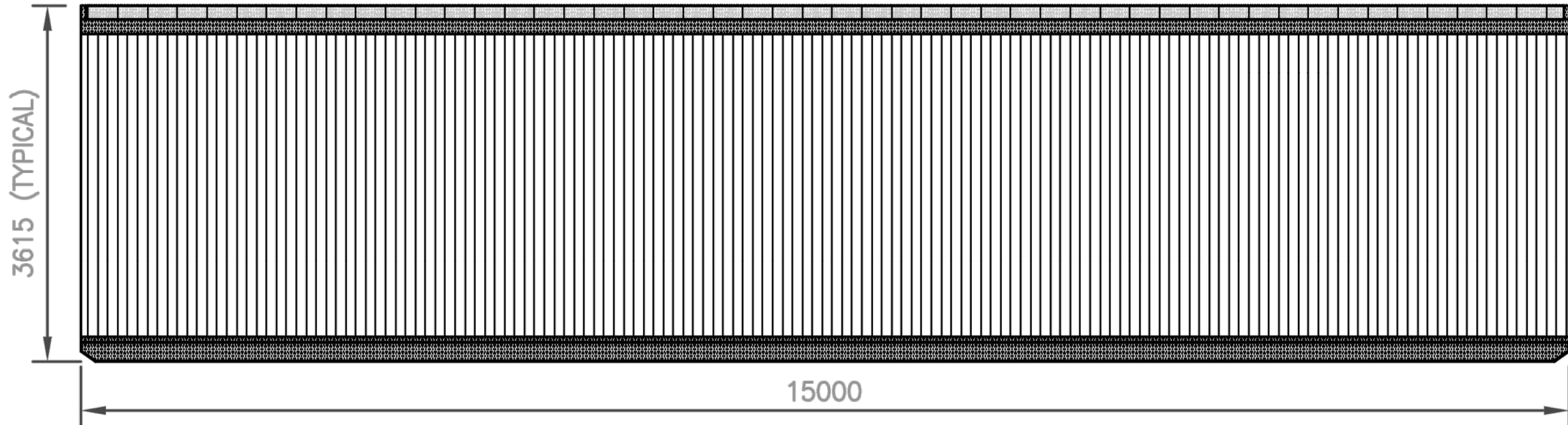
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NOTES:

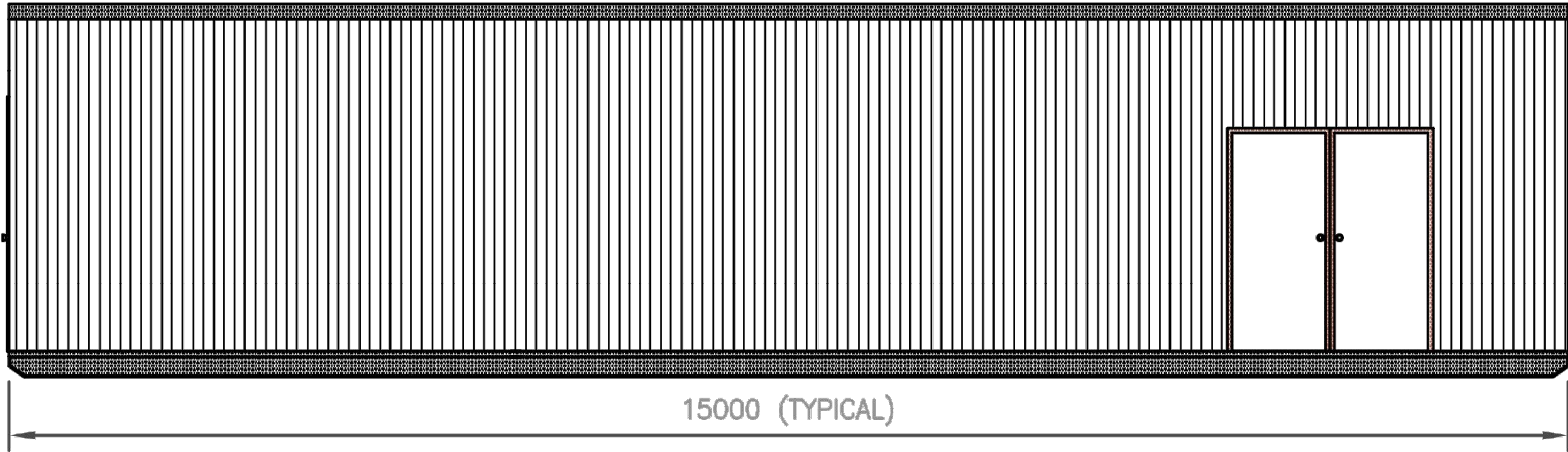
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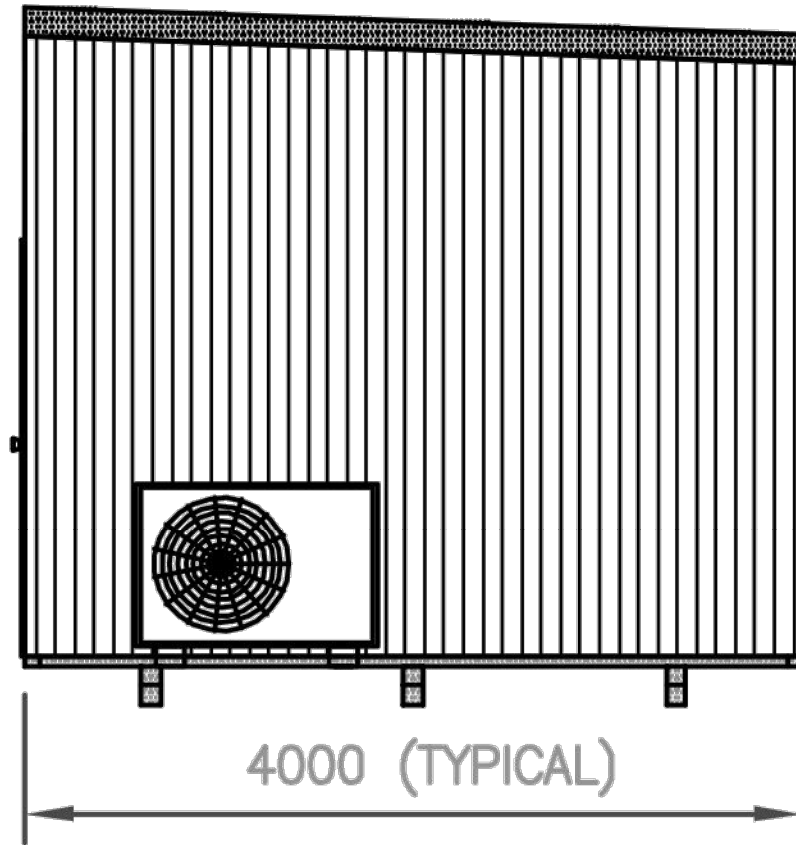
LEFT ELEVATION



REAR ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

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TYPICAL CONTROL ROOM ELEVATIONS

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ISSUE/REVISION

I/R	DATE	DESCRIPTION
1	12/10/2021	CHANGE OF OWNERSHIP
0	21/08/2020	PRELIMINARY

KEY PLAN

PROJECT NUMBER

60597809

SHEET TITLE

SOLAR FARM
TYPICAL CONTROL ROOM
ELEVATIONS

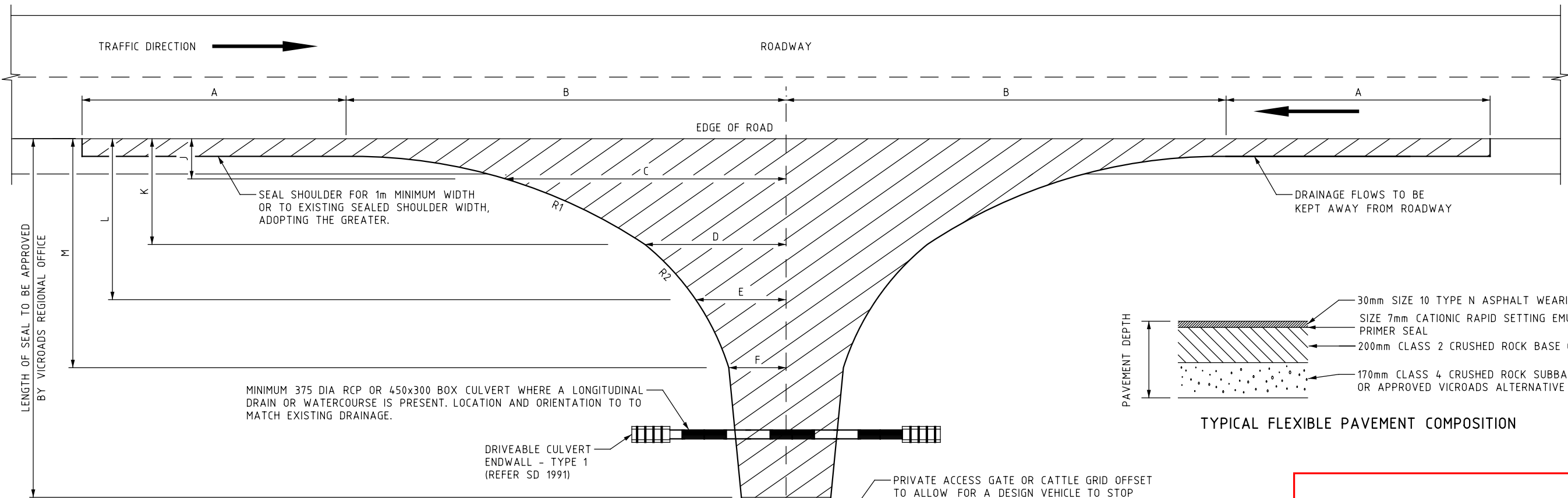
SHEET NUMBER

SHT-EL-1027

NOTES:

- THE COLOURS AND FINISHES OF ALL BUILDINGS AND WORKS WILL BE NON-REFLECTIVE AND MATCHED, WHERE POSSIBLE, TO COLOURS PRESENT WITHIN THE SURROUNDING LANDSCAPE TO MINIMISE VISUAL IMPACT.

ISSUE	APPROVED BY	DATE	AMENDMENT
-	M-SSE	07/2020	SUPERSEDES SD2064, SD2065 & SD2066

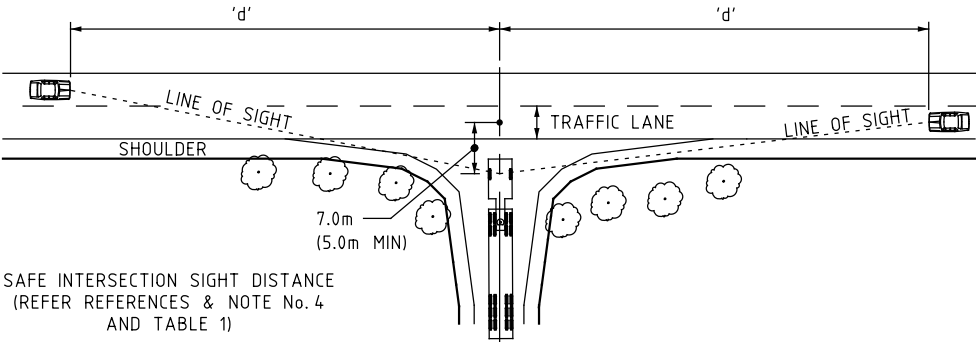


TYPICAL FLEXIBLE PAVEMENT COMPOSITION

TABLE 2: ACCESS SETOUT DETAILS

VEHICLE TYPE	A	B	C	D	E	F	J	K	L	M	R1	R2	G
26m B-DOUBLE	15.0	30.3	20.4	11.0	6.1	3.7	2.1	5.3	9.4	15.3	45	13	4.3
19m SEMI TRAILER	15.0	24.6	17.2	10.3	5.2	3.0	1.9	4.6	9.3	15.7	30	14	4.2
ARTICULATED 19m BUS	15.0	21.9	14.4	7.5	4.4	2.9	2.1	5.4	9.6	14.7	26	15	4.0
12.5m SINGLE UNIT	15.0	20.1	12.9	6.4	4.1	3.0	2.2	5.6	9.7	16.3	23	18	4.0
TRUCK + 3 AXLE TRAILER	15.0	18.3	11.8	6.2	4.0	3.0	2.2	5.7	9.8	14.2	18	18	4.0
TRUCK + 4 AXLE TRAILER	15.0	19.2	12.2	6.0	4.0	3.0	2.3	5.9	9.8	14.0	20	17	4.0
8.8m SERVICE VEHICLE	15.0	12.6	8.7	5.4	4.1	3.5	1.8	4.1	6.7	9.6	10	13	4.0
PASSENGER VEHICLE	5.0	9.3	3.8	1.8	-	-	2.2	7.5	-	-	7.5	-	3.6

SETOUT DETAILS TO BE BASED ON THE DESIGN VEHICLE SELECTED.
CHECK VEHICLE MAY ENCROACH ON TO OPPOSING TRAFFIC LANE IN <80KM/H SPEED ZONE FOR LOW VOLUME
ROADS WITHOUT A CENTRAL BARRIER.



MINIMUM VISIBILITY REQUIREMENTS
(NOT TO SCALE)

PLAN - DRIVEWAY ACCESS LAYOUT

ADVERTISED PLAN

TABLE 1: SIGHT DISTANCES

DESIGN SPEED (Km/h)	'd' SAFE INTERSECTION SIGHT DISTANCE (m)	CORRECTION (m)							
		ROADWAY UPGRADE				ROADWAY DOWNGRADE			
		2%	4%	6%	8%	2%	4%	6%	8%
60	123	-2	-4	-6	-7	2	5	8	11
70	151	-3	-5	-8	-10	3	7	11	15
80	181	-4	-7	-10	-13	4	9	14	20
90	226	-5	-9	-13	-16	5	11	18	25
100	262	-6	-11	-16	-20	6	14	22	31
110	300	-7	-13	-19	-24	8	17	26	38

THE DESIGN SPEED IS ASSUMED TO BE 10km/h GREATER THAN THE POSTED SPEED
LIMIT FOR RURAL HIGHWAYS AND ROADS

- GENERAL NOTES:
- PAVEMENT COMPOSITION: THE DIAGRAM IS A GUIDE FOR A TYPICAL LAYOUT OF A DRIVEWAY ACCESS FOR A RURAL PROPERTY FOR A 26m B-DOUBLE. THIS GUIDE WAS DEVELOPED IN THE INTEREST OF ROAD SAFETY AND TO PROTECT THE ROAD PAVEMENT AT THE ACCESS LOCATION. FINAL PAVEMENT COMPOSITION SHOULD BE DETERMINED BY EXISTING PAVEMENT AND SOIL TESTS, AND APPROVED BY VICROADS REGIONAL OFFICE.
 - PAVEMENT DESIGN SHOULD BE IN ACCORDANCE WITH VICROADS CODE OF PRACTICE RC 500.22 - SELECTION AND DESIGN OF PAVEMENTS AND SURFACINGS AND AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2 - PAVEMENT STRUCTURAL DESIGN.
 - A PLANNING PERMIT IS REQUIRED FOR A NEW ACCESS OR ALTERATION TO AN EXISTING DRIVEWAY AND MAY BE REQUIRED FOR THE REMOVAL OF NATIVE VEGETATION.
 - A TRAFFIC MANAGEMENT PLAN MUST COMPLY WITH THE ROAD MANAGEMENT ACT AND APPLICABLE CODES IN RELATION TO ANY WORKS UNDERTAKEN WITHIN THE ROAD RESERVE.
 - TRUCK WARNING SIGNS & GUIDE POSTS SHOULD BE INSTALLED IN ACCORDANCE WITH AUSTROADS GUIDE TO TRAFFIC MANAGEMENT & VICROADS SUPPLEMENTS.
 - THE DRIVEWAY ACCESS CONSTRUCTION AND MAINTENANCE IS THE RESPONSIBILITY OF THE PROPERTY OWNER. MAINTENANCE ALSO INCLUDES ASSOCIATED DRAINAGE WORKS.

- SIGHT DISTANCE:
- A DRIVER, WHEN LOCATED 7.0m (5.0m min) FROM THE CONFLICT POINT TAKEN AS THE CENTRE OF THE TRAFFIC LANE, NEEDS TO SEE A VEHICLE APPROACHING IN EITHER DIRECTION. REFER TABLE 1 FOR APPROPRIATE SIGHT DISTANCES.
 - TREE CANOPIES, BUSHES OR OTHER OBJECTS SHALL BE REMOVED TO PROVIDE GOOD VISIBILITY. ANY TREE CANOPIES OVERHANGING THE PATH OF A TRUCK SHALL BE A MINIMUM OF 5.0m ABOVE THE GROUND SURFACE.
 - SIGHT LINES MUST ACHIEVE THE MINIMUM SAFE INTERSECTION SIGHT DISTANCE BASED ON AN EYE HEIGHT OF 1.1m TO AN OBJECT HEIGHT OF 1.25m.

- NOTES:
- ALL DIMENSIONS ARE IN METRES, UNLESS SHOWN OTHERWISE
 - THIS DRAWING FORMS PART OF THE VRS TO AGRD PART 4 AND SHOULD BE READ IN CONJUNCTION WITH THOSE REFERENCES

REFERENCES:

AUSTROADS GUIDE TO ROAD DESIGN PART 4
AUSTROADS GUIDE TO ROAD DESIGN PART 4A
AUSTROADS GUIDE TO ASSET MANAGEMENT PART 5
AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2
AUSTROADS GUIDE TO TRAFFIC MANAGEMENT
VICROADS SUPPLEMENTS TO AUSTROADS GUIDES

VICROADS CODE OF PRACTICE RC 500.22
- SELECTION AND DESIGN OF PAVEMENTS AND SURFACINGS
SD 1991 DRIVEABLE CULVERT ENDWALLS (TYPE 1)

AGRD PART 4

TYPICAL ACCESS TO RURAL PROPERTIES

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<https://www.lightsourcebp.com/au/projects/west-mokoan-solar-farm/>

0.7m

1.4 m

**ADVERTISED
PLAN**

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