

Gippsland BESS

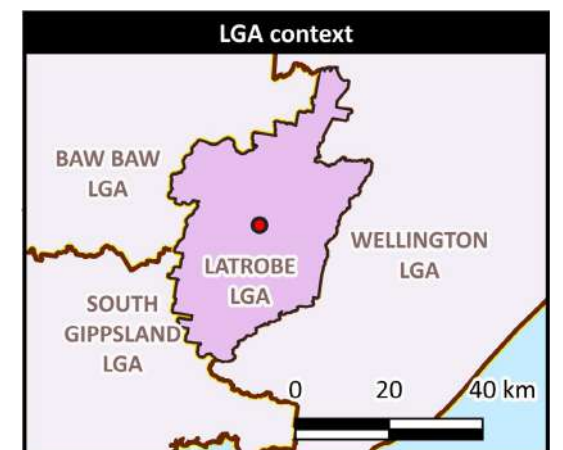
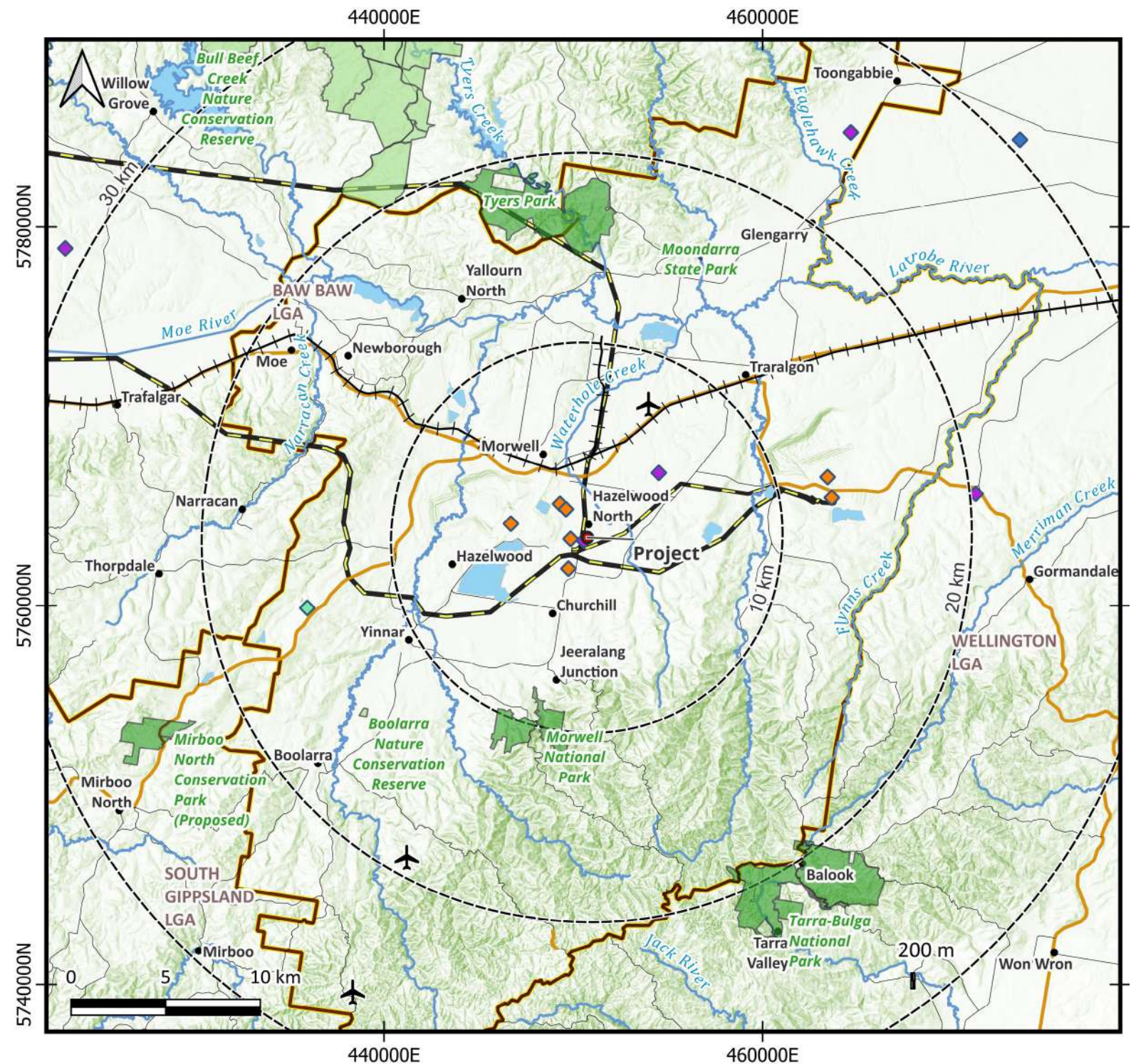
Battery Energy Storage System

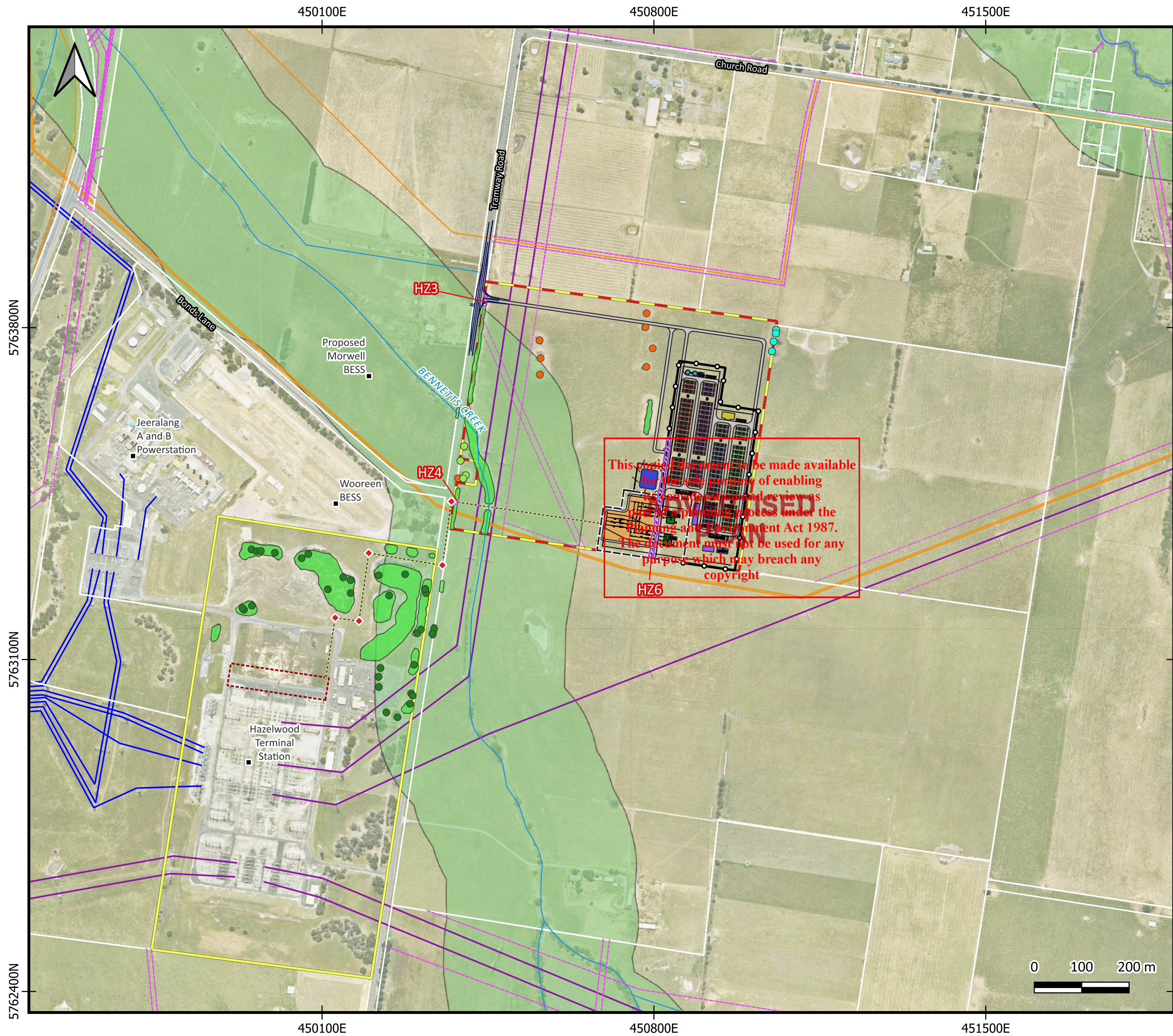
Tramway Road, Hazelwood North & Hazelwood Terminal Station

Version 3 [27 July 2026] Submission to DTP for additional RFI response

Sheet	Description	Revision	Date
01	Cover Page / Regional Context	3	27/03/2026
02	Overall Site Plan	3	24/07/2026
03	Site Plan - BESS Site	3	24/07/2026
04	Site Plan - Grid Connection	3	24/07/2026
05	Site Access Design (Amber Organisation)	B (Amber)	27/07/2026
06	BESS Facility Layout Plan (Beyond Electrical Engineering)	C (BEE)	16/01/2026
07	Indicative Plan - Battery Container (CATL)	2	02/06/2026
08	Indicative Plan - Power Conversion Station (PCs)	2	02/06/2026
09	Indicative Plan - Power Transformer	1	01/04/2026
10	Indicative Plan - Sub-station	1	02/06/2026
11	Indicative Plan - Harmonic Filter	1	01/04/2026
12	Indicative Floor Plans - Switchgear and Control Building	1	13/04/2026
13	Indicative Elevations - Switchgear and Control Building	1	13/04/2026
14	Indicative Floor Plans - O&M Facility	1	13/04/2026
15	Indicative Elevations - O&M Facility	1	13/04/2026
16	Indicative Floor Plans - Warehouse	1	13/04/2026
17	Indicative Elevations - Warehouse	1	13/04/2026
18	Indicative Fencing Plan	1	13/04/2026
19	Indicative Car Parking Plan	1	13/04/2026

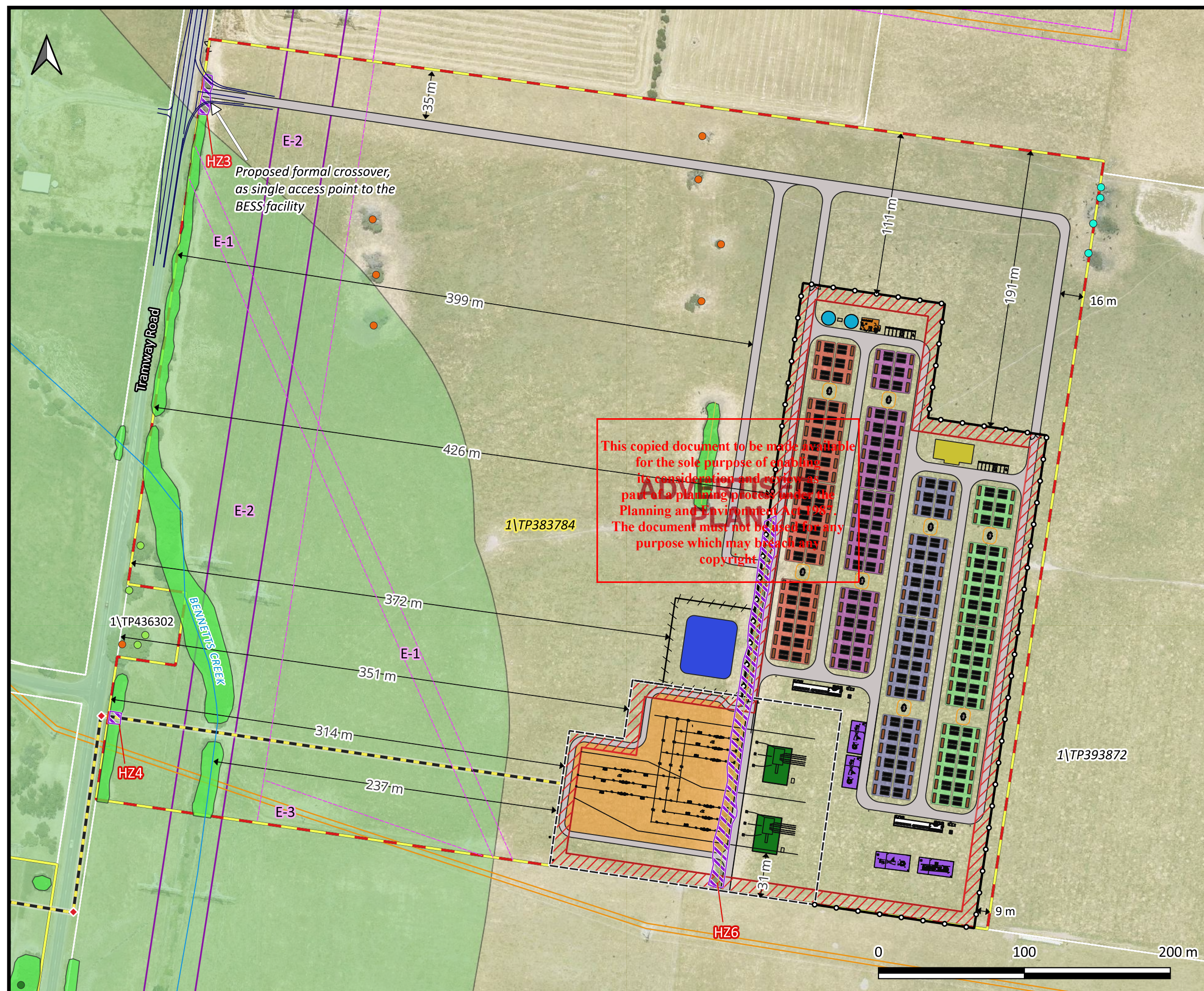
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- Existing features**
- Canopy trees
 - Exotic planted vegetation
 - Planted Blue Gums
 - Additional large trees
 - Existing 66 kV transmission line
 - Existing 220 kV transmission line
 - Existing 500 kV transmission line
 - Existing easements
 - Watercourse
 - Area of Aboriginal Cultural Heritage Sensitivity
 - Retained native vegetation
 - Native vegetation to be removed
 - HZ3- Permit required for removal
 - HZ4- Permit required for removal
 - HZ6- Permit exempt for removal
 - Refer to Ecological Assessment for details
- Proposed BESS facility**
- Planning application subject site
 - Gippsland BESS Project Area
 - BESS fence
 - Substation fence
 - Cattle fence
 - Turning treatment road upgrades
 - Underground cable connection to transmission network (2 m width)
 - Horizontal Directional Drilling (HDD) pit (2m x 2m)
 - Indicative AusNet intended expansion
 - CATL BESS units
 - Power conversion stations
 - Substation area
 - Access roads (6 m width)
 - Fire Boundary (10 m width)
 - Retention pond
 - BESS transformer kiosk
 - Fire water tank
 - Harmonic Filter
 - O&M Facility
 - Switchgear and control building
 - Transformer
 - Warehouse

AE1260 Gippsland BESS
Figure 1:Overall site plan- BESS site and Terminal Station and project layout
Created: 24/07/2026
Print size: A3 Scale: 1:7500
CRS: GDA2020 / MGA zone 55
Additional data sources: Geosciences Australia (2021), VicMap (2025), PlanningVictoria (2025), BEE (2026), Basemap: MetroMap (accessed 24/03/2026)



ADVERTISED
PLAN

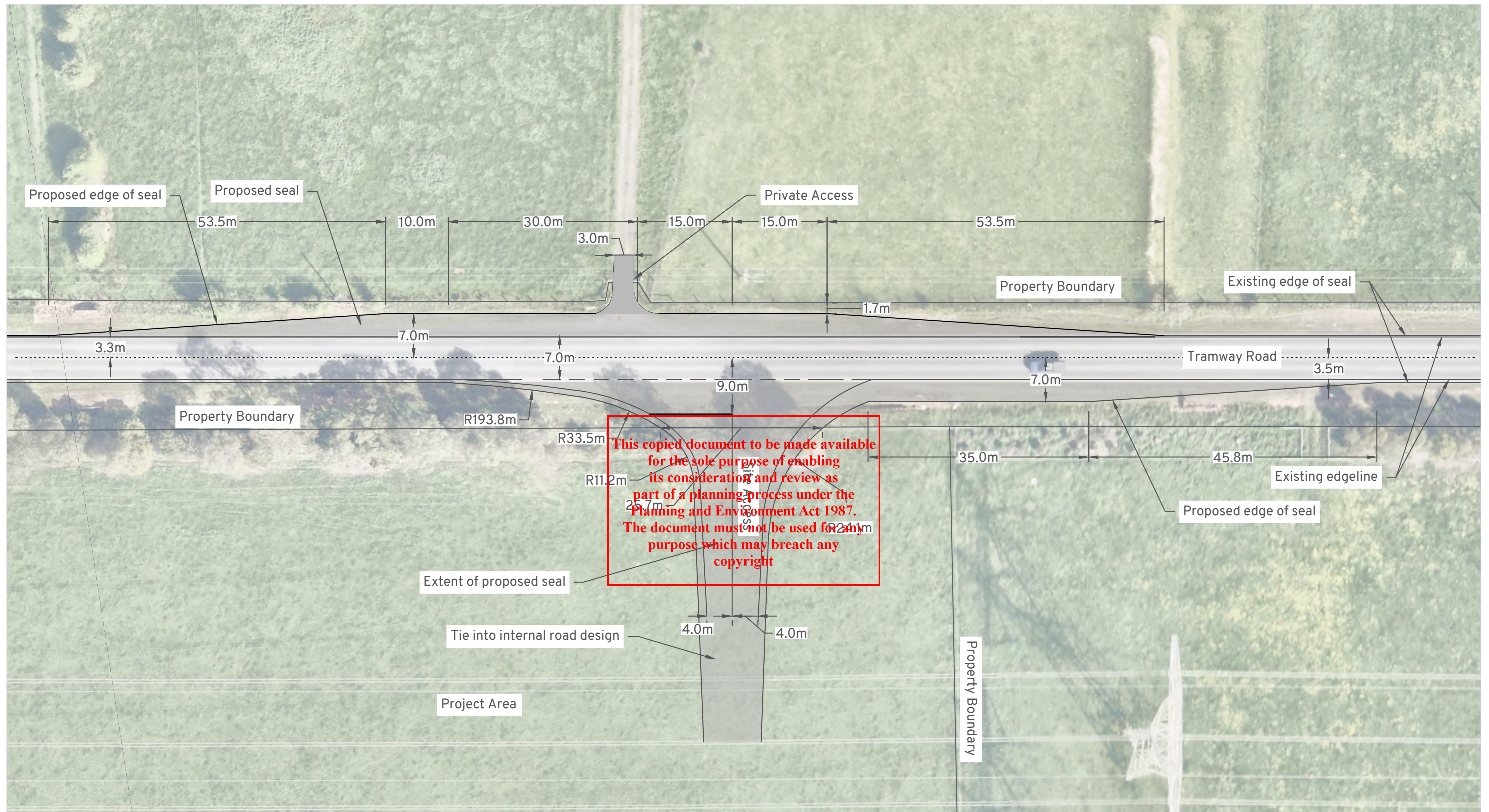


- Existing features**
- Surveyed large trees
 - Existing 66 kV transmission line
 - Existing 500 kV transmission line
 - - - Easements
 - Watercourse
 - Area of Aboriginal Cultural Heritage Sensitivity
 - Retained native vegetation
 - Native vegetation assumed lost
 - HZ4- Permit required for removal
 - Refer to Ecological Assessment for details
- Proposed BESS facility**
- Planning application subject site
 - Gippsland BESS Project Area
 - - - Substation fence
 - ◆ Horizontal Directional Drilling (HDD) pit (2m x 2m)
 - Underground cable connection to transmission network (2 m width)
 - Access roads (6 m width)
 - Fire Boundary (10 m width)
 - Substation area
 - Indicative AusNet intended expansion
 - ↔ Connection lengths and clearances

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Site Plan-
Grid Connection
[AE1260] Gippsland BESS

Created: 13/07/2026 Print size: A3 Scale 1:2000
CRS: GDA94 / MGA zone 55
Additional data sources: Geosciences Australia (2021), VicMap (2025), PlanningVictoria (2025), BEE (2026), MetroMap (15/02/2026)



The following design details have been taken from Austroads Guide to Road Design Part 4A

Rural Right-turn Treatment (BAR) - Part 4A Section 7.2.1.

- 1: Design speed of 110km/h.
- 2: Nominal lane width of 3.3m.
- 3: Formation/carriageway widening is 3.5m, total width (C) is 7m.
- 4: Taper length calculates to 53.5m.

Rural Left-turn Treatment (BAL) - Part 4A Section 8.2.1.

- 1: Design speed of 110km/h.
- 2: Nominal lane width of 3.5m.
- 3: Formation/carriageway widening is 3.0m, total width (C) is 7m.
- 4: Taper length calculates to 45.8m.
- 5: Minimum length of parallel widened shoulder used from Table 8.1 is 35m.

**ADVERTISED
PLAN**



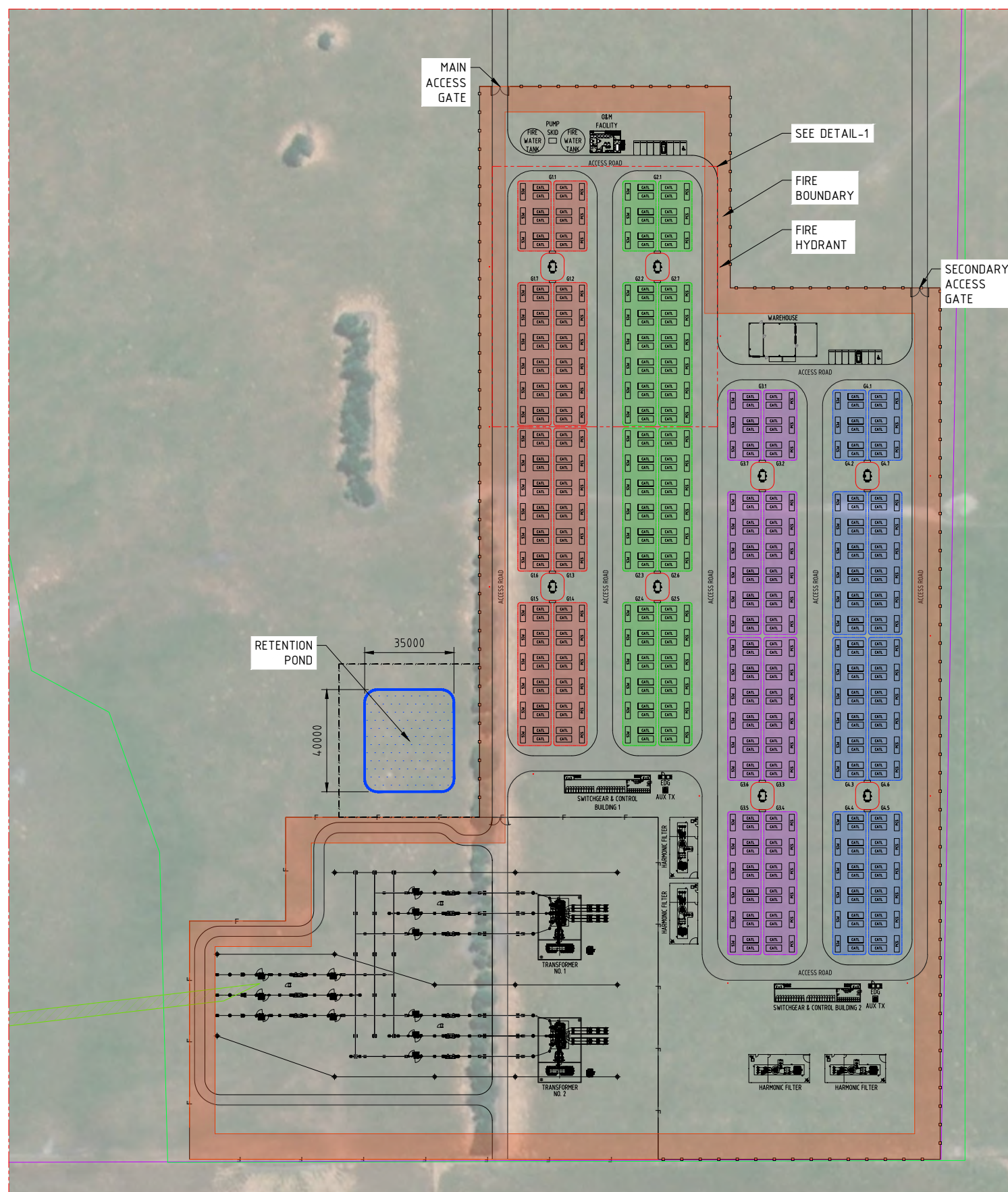
Gippsland BESS

Tramway Road, Hazelwood North

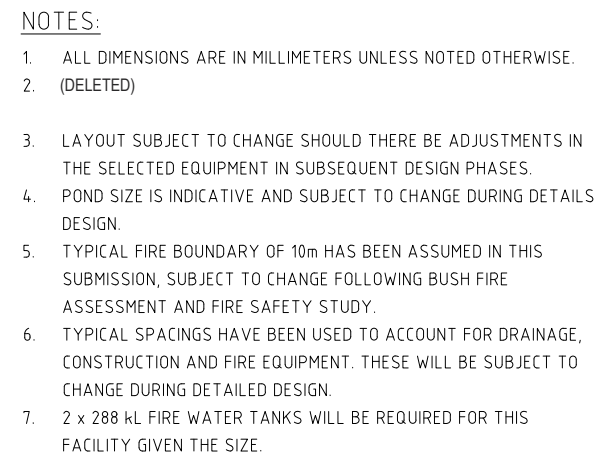
Site Access Design

DRAWN: SE
DATE: 24/07/2026
DWG NO: 1433 S03B
SCALE at A3: 1:600





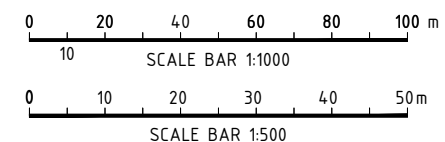
ADVERTISED PLAN



	PROJECT BOUNDARY
	BESS INFRASTRUCTURE AREA
	BESS FACILITY PERIMETER FENCE
	CATTLE FENCE
	SUBSTATION PERIMETER FENCE
	BATTERY CONTAINER
	POWER CONVERSION STATION
	BESS TRANSFORMER KIOSK
	LV SWITCHBOARD
	HARMONIC FILTER
	FIRE HYDRANT

SYSTEM DETAILS	
SYSTEM EXPORT	1200MWh (600MW/2hr)
BESS UNITS	CATL ENERC+
BESS UNIT RATED ENERGY	4073kWh
BESS UNIT DIMENSIONS (LxWxH mm)	6,058 x 2,438 x 2,896
BESS UNITS PER INVERTER	2
BESS UNITS PER PCS	2
INVERTERS	SMA SCS 4600 UP-S
INVERTERS PER PCS	1
POWER CONVERSION STATION (PCS)	MVPS-4600-S2-10
PCS RATED POWER	4600kVA
PCS DIMENSIONS (LxWxH mm)	6,058 x 2,438 x 2,896
TOTAL NUMBER OF BESS UNITS	336
TOTAL NUMBER OF PCS	168
TOTAL STORAGE CAPACITY (MWh)	1369
TOTAL AC POWER (MVA)	773

BESS Facility Layout Plan



TO BE PRINTED IN COLOUR

[illegible]

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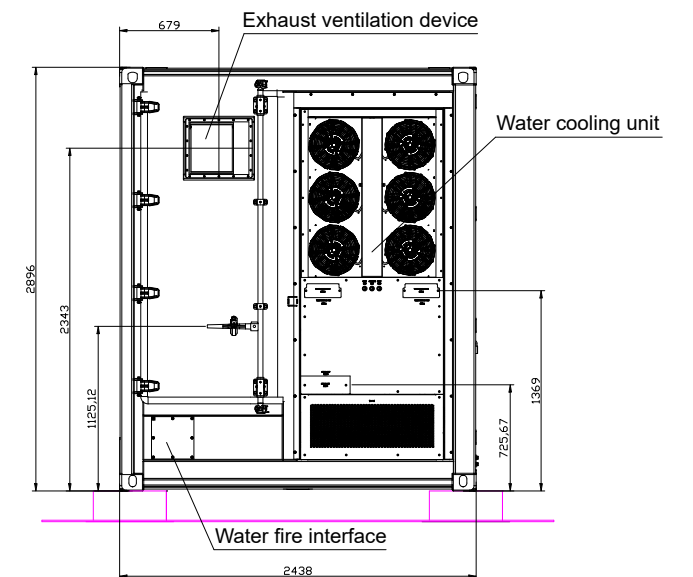
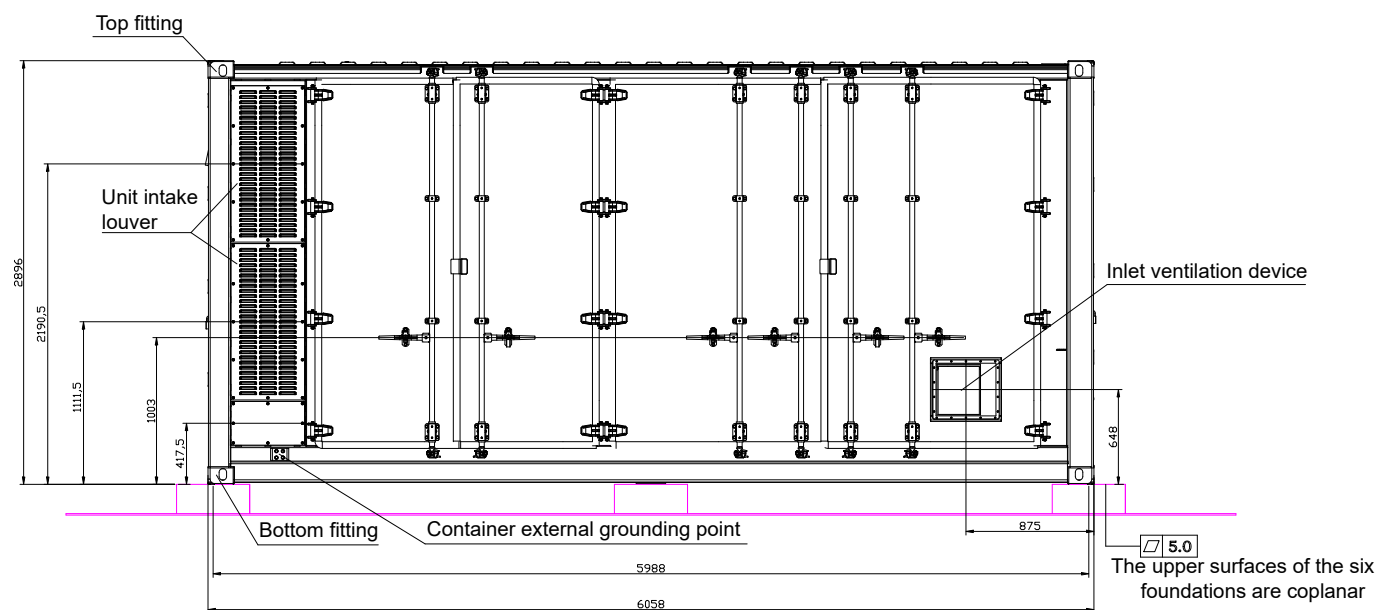
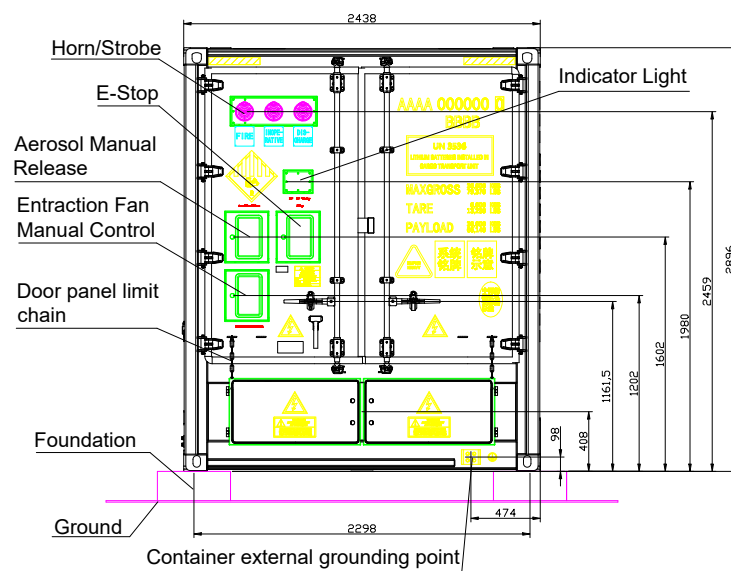
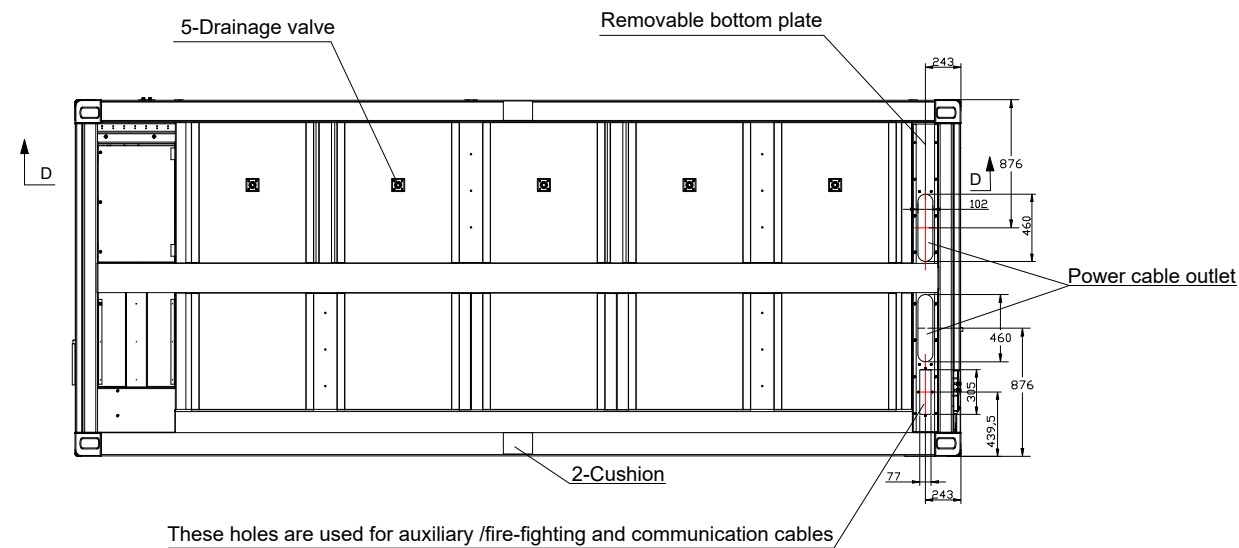


TRAMWAY BESS
CONCEPT DESIGN
600MW / 1200MWh
BESS LAYOUT

NOT FOR CONSTRUCTION

Drawing Status <i>ISSUED FOR REVIEW</i>			
Drawing N° 260553-ELE-LAY-0001			
Size A1	Scale 1:1000		Rev N° C
Y		Z	

ADVERTISED PLAN



Right View

Front View

Left View

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Indicative BESS Facility Plan Battery Container (CATL)

[AE1260] Gippsland BESS

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Mounting option with pile foundation

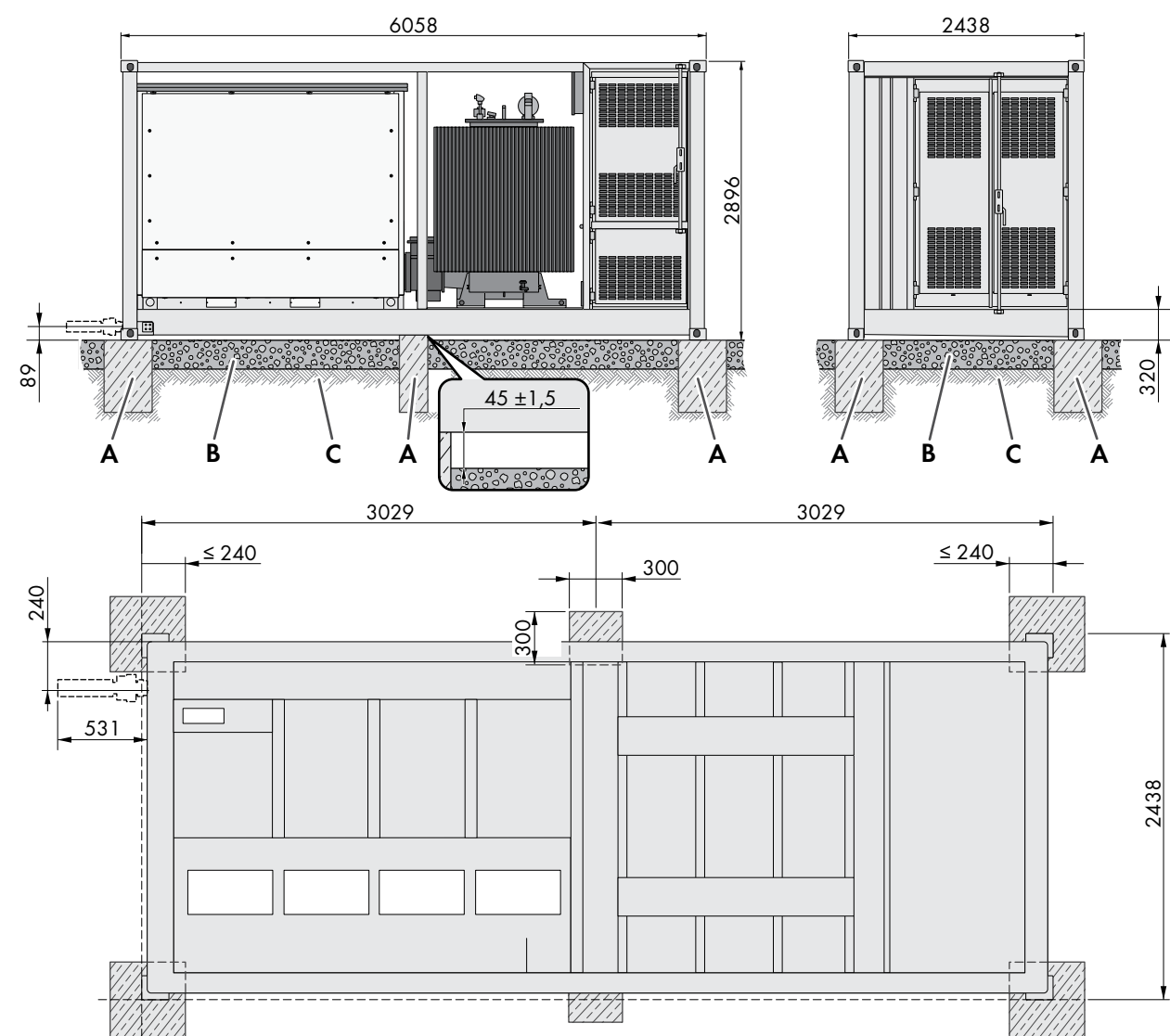


Figure 39: Mounting option with pile foundation (Dimensions in mm)

Position	Designation
A	Support point foundation
B	Pea gravel ground
C	Solid ground, e.g., gravel

Mounting option with strip foundations

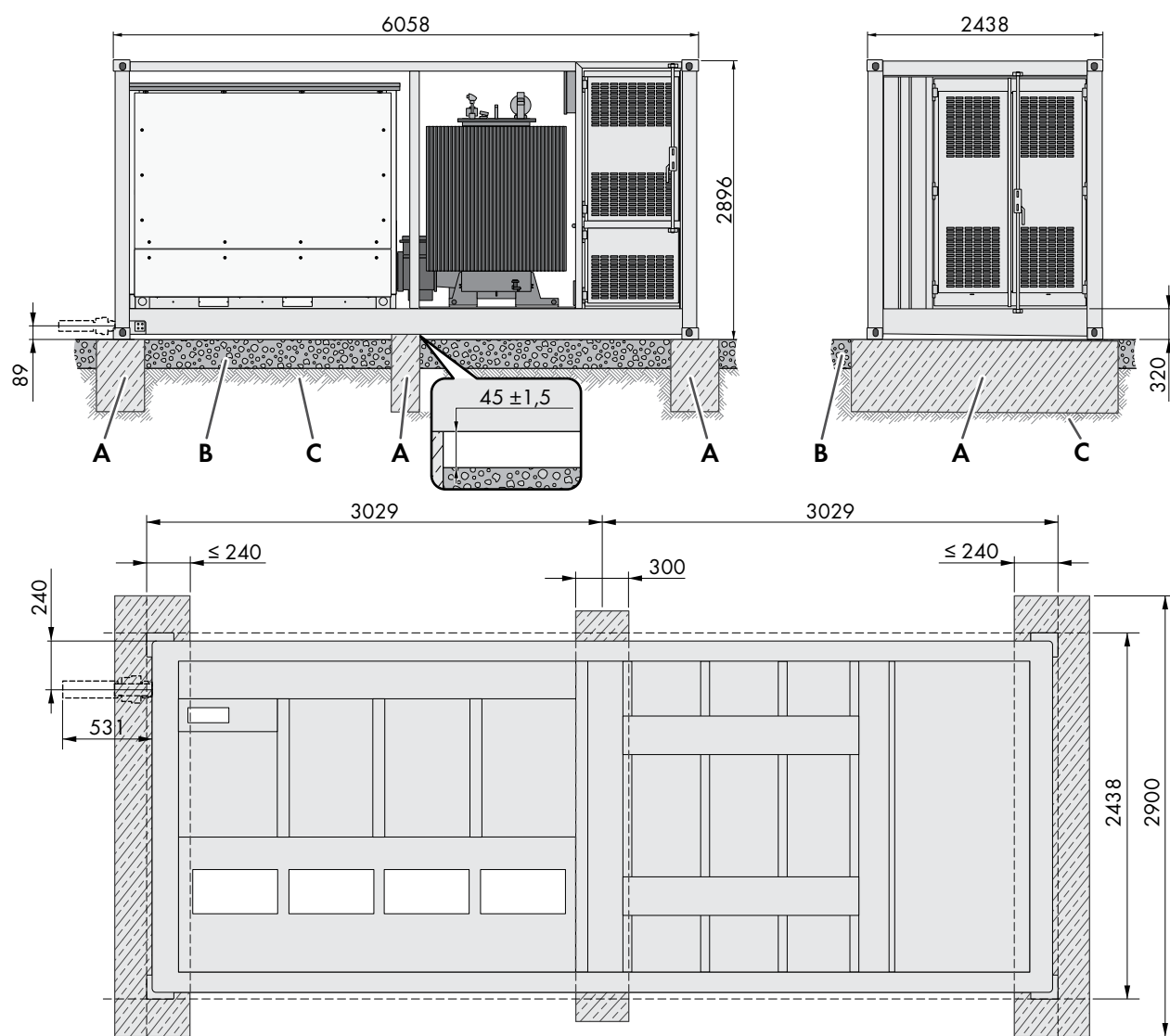


Figure 40: Mounting option with strip foundations (Dimensions in mm)

Position	Designation
A	Strip foundation
B	Pea gravel ground
C	Solid ground, e.g., gravel

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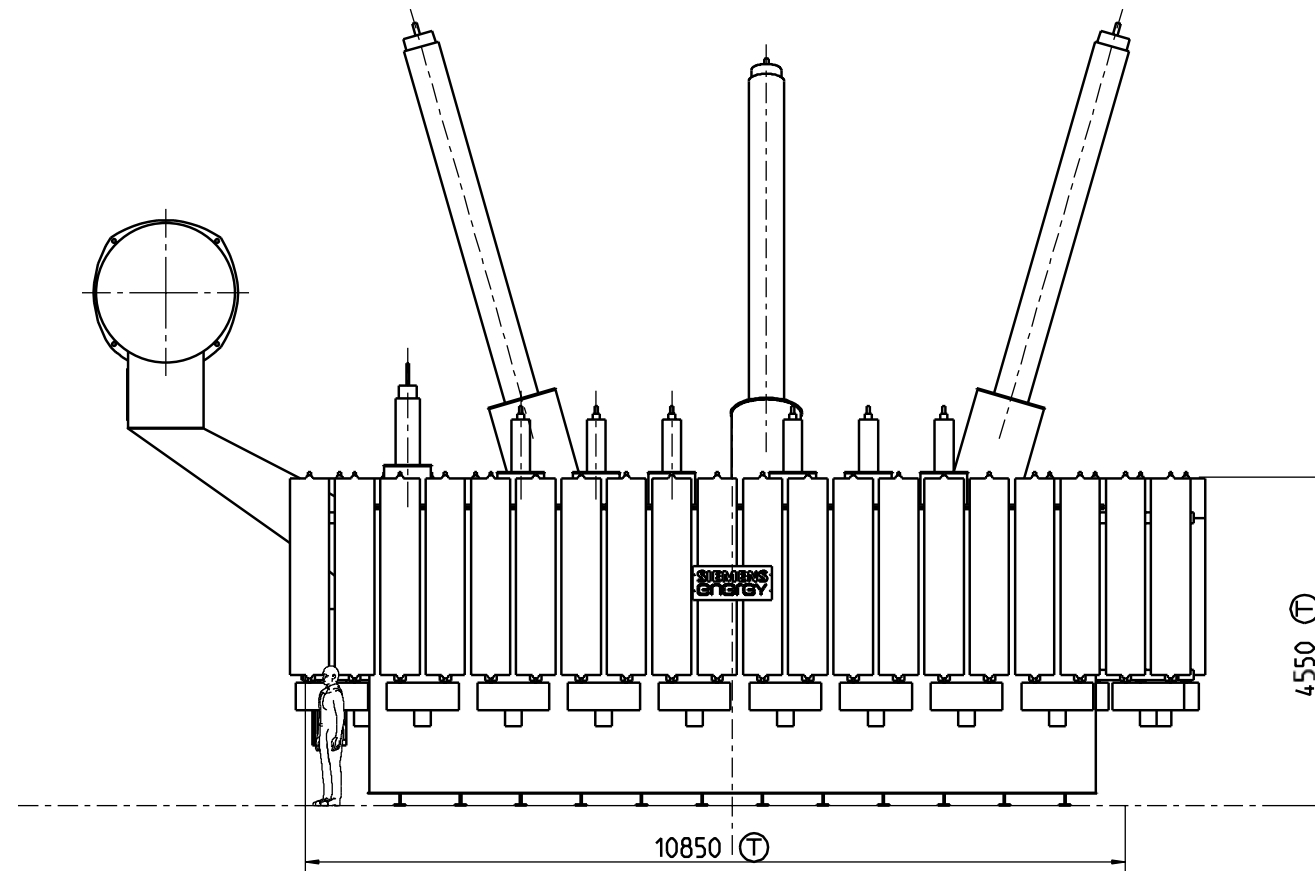


Sample Image

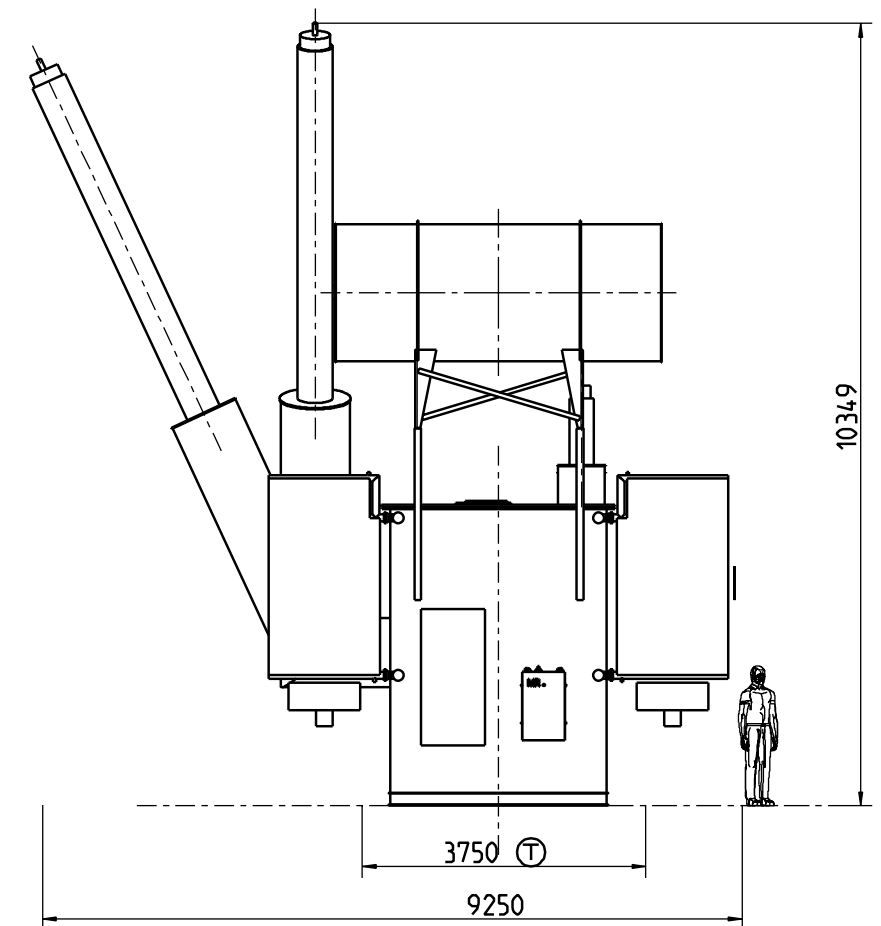
ADVERTISED PLAN

Indicative BESS Facility Plan
Power Conversion Station (PCS)
[AE1260] Gippsland BESS

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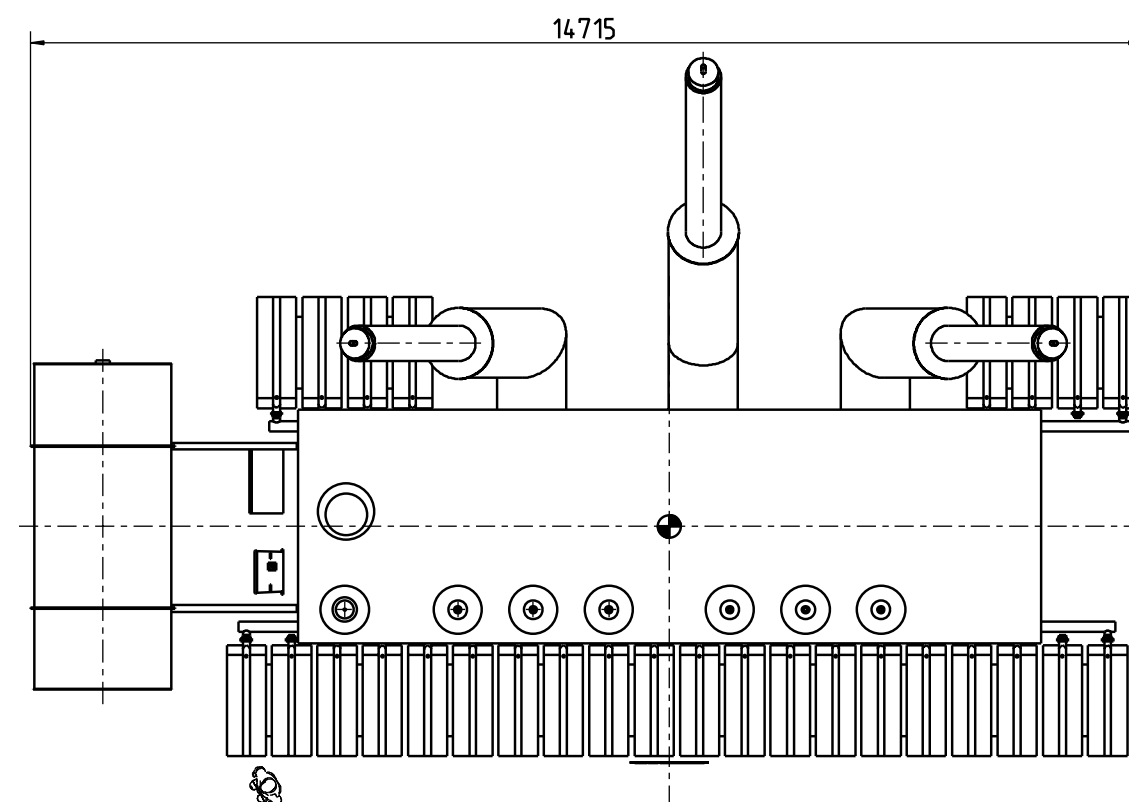


Side View

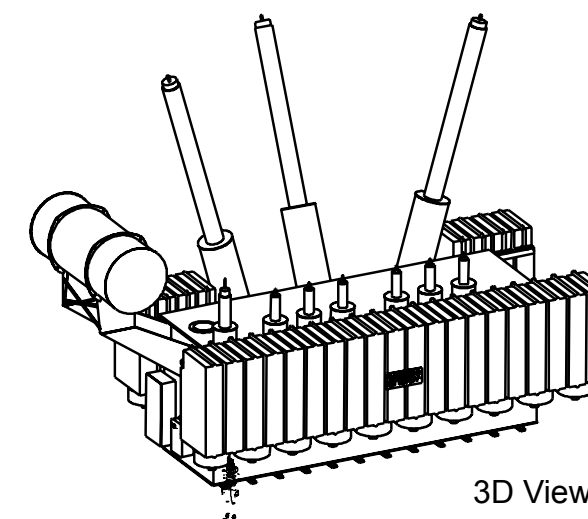


Front View

ADVERTISED PLAN



Plan View



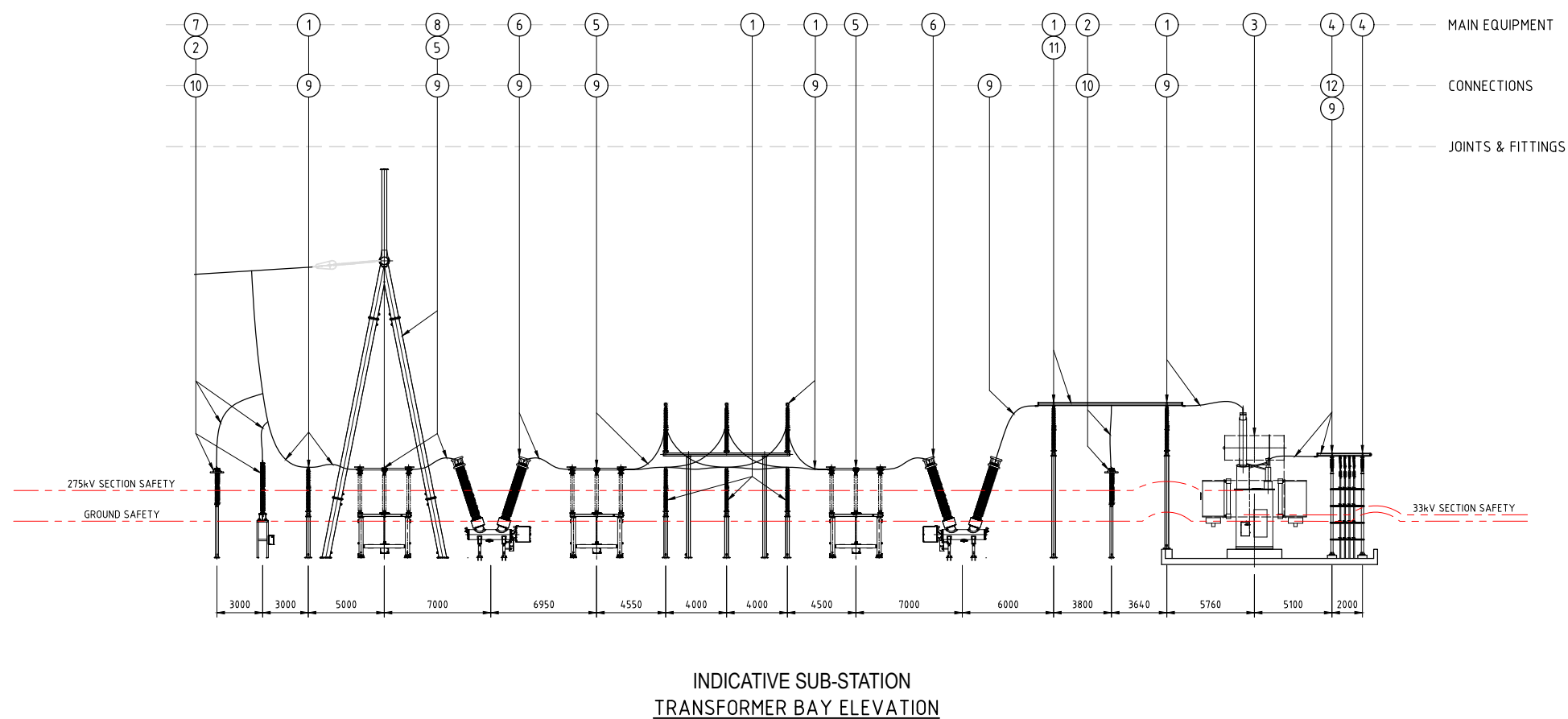
3D View

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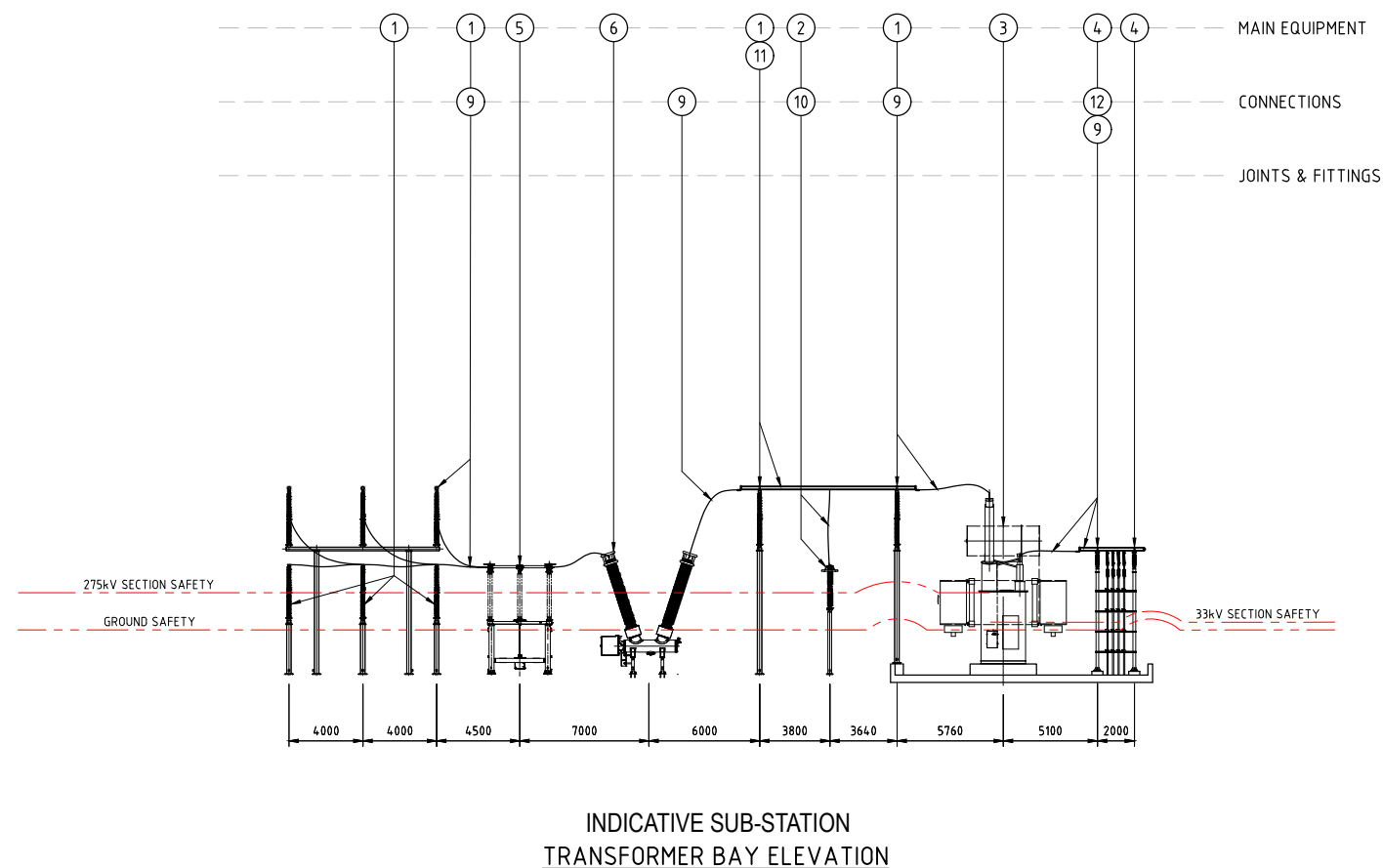
Indicative BESS Facility Plan Power Transformer (Sub-station)

[AE1260] Gippsland BESS

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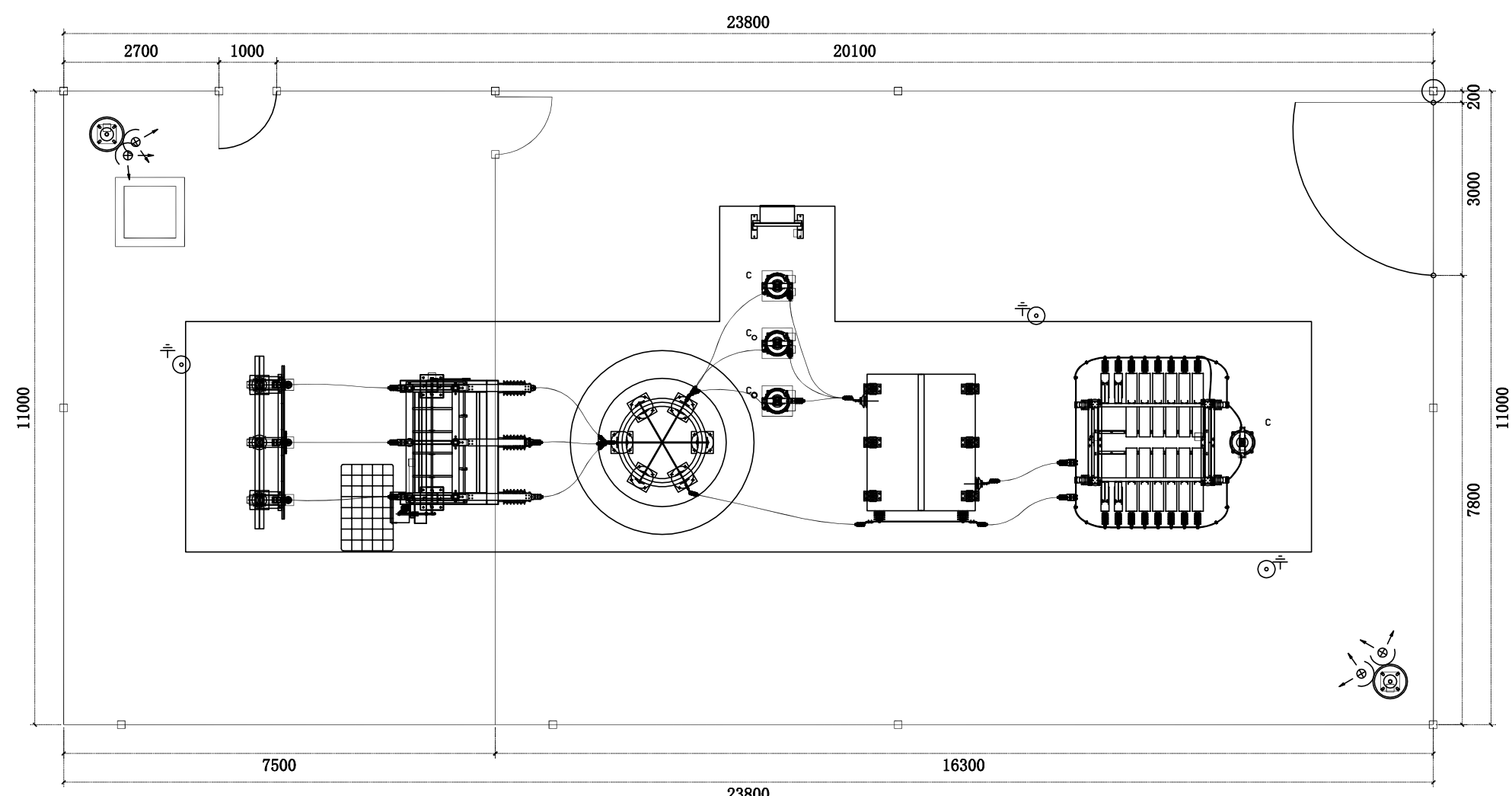


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Indicative BESS Facility Plan Sub-station

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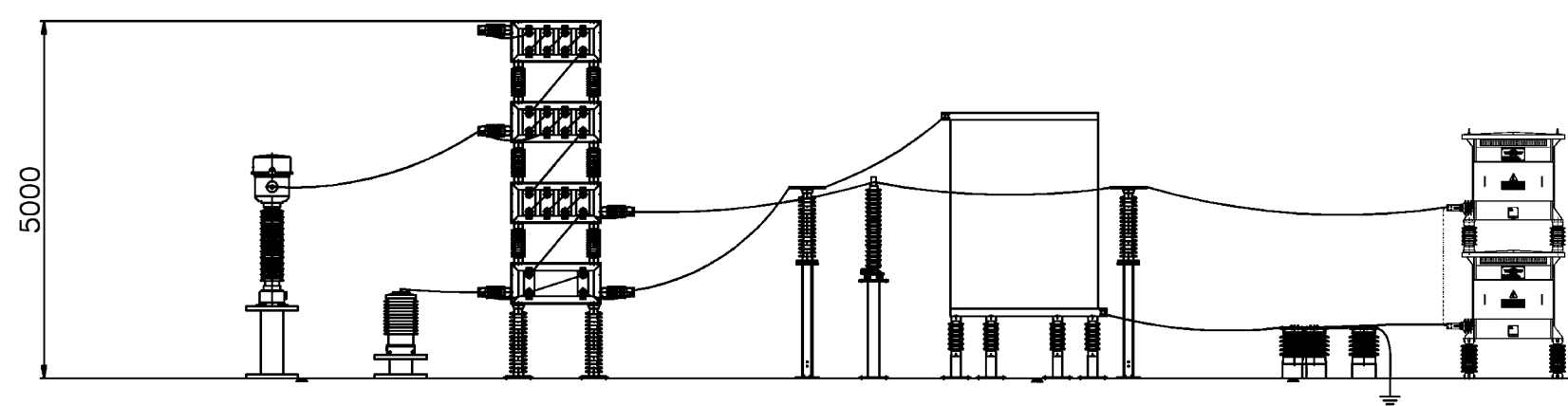


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HARMONIC FILTER

FLOOR PLAN
1 : 100

**ADVERTISED
PLAN**



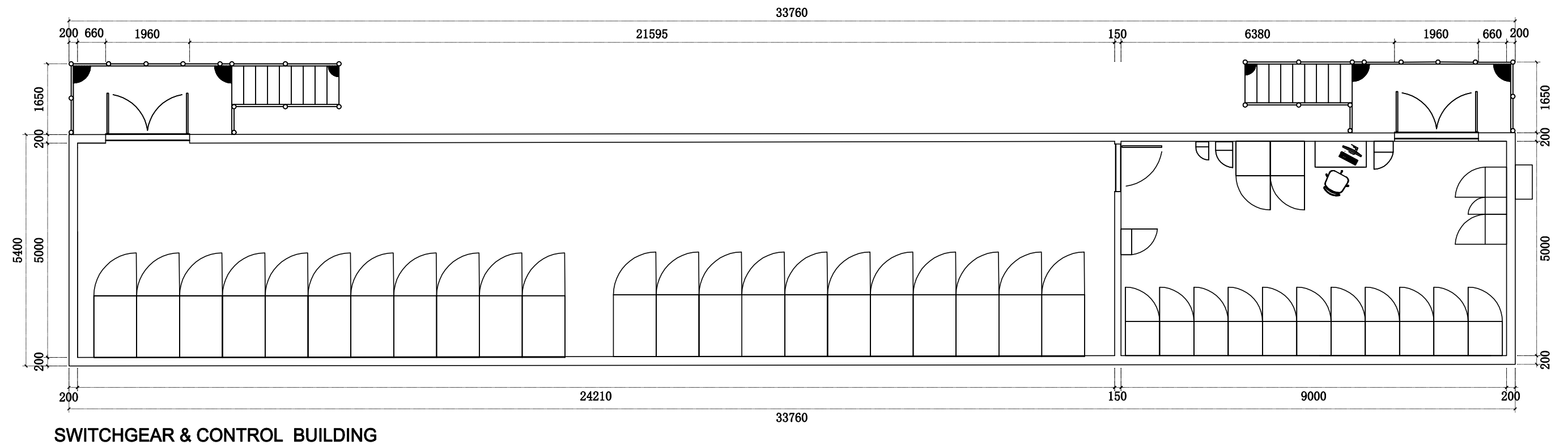
Typical Side View
(Not Corresponding With
Plan View Above)

**Indicative BESS
Facility Plan
Harmonic Filter**

[AE1260] Gippsland BESS

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ADVERTISED PLAN

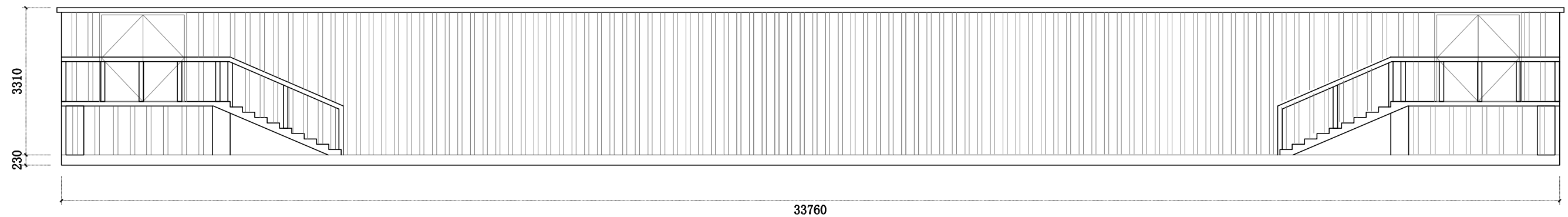


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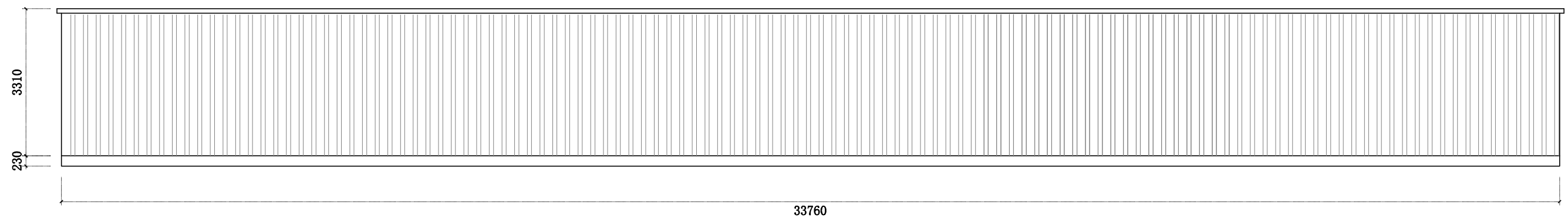
Indicative BESS Facility Plan Switchgear & Control Building

[AE1260] Gippsland BESS

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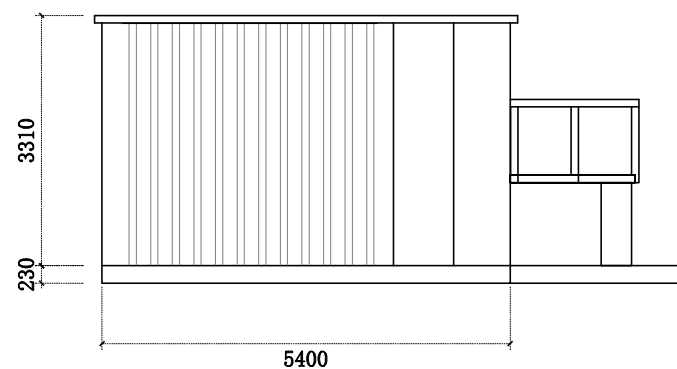


FRONT ELEVATION

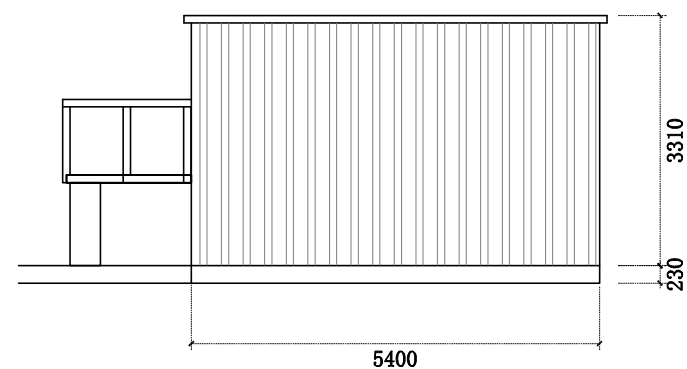


BACK ELEVATION

ADVERTISED PLAN



SIDE ELEVATION



SIDE ELEVATION



Proposed finish
Colorbond Pale Eucalypt

Indicative BESS Facility Plan Switchgear & Control Building

[AE1260] Gippsland BESS

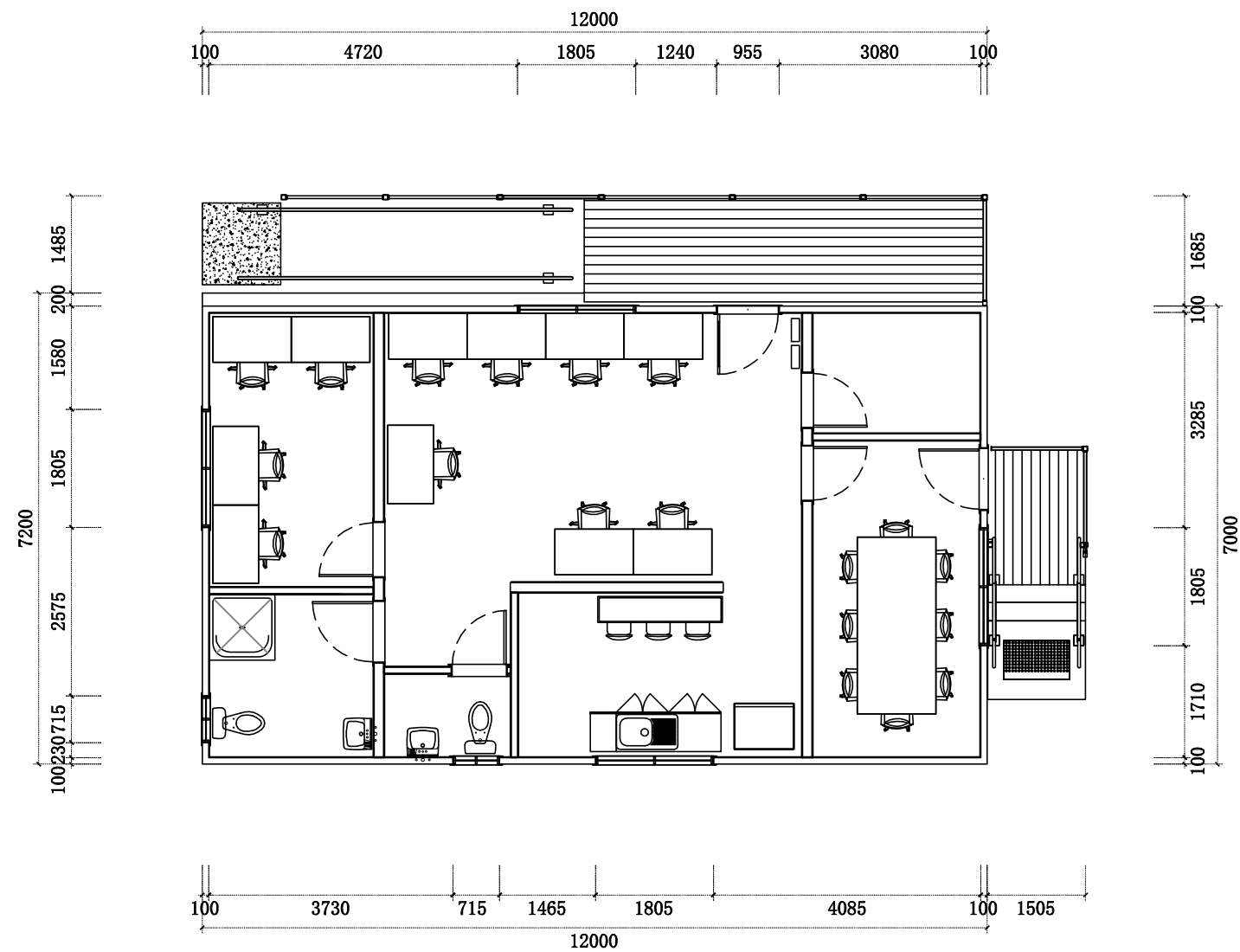
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SWITCHGEAR & CONTROL BUILDING

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O&M FACILITY

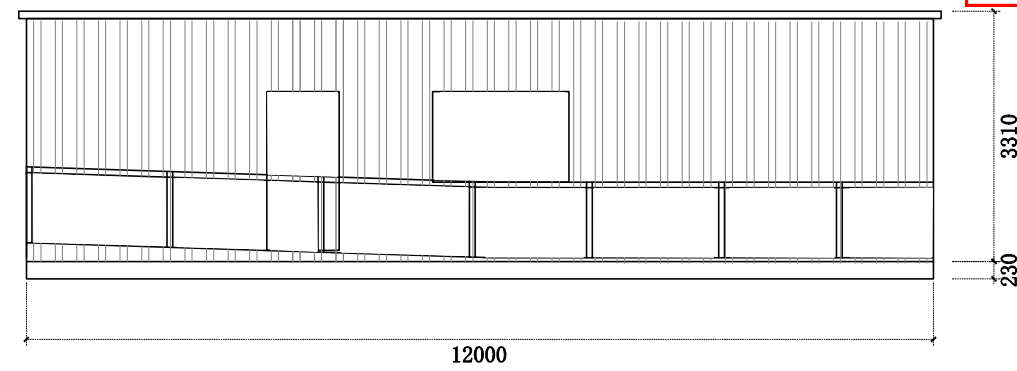
Indicative BESS Facility Plan Operation & Maintenance Facility

[AE1260] Gippsland BESS

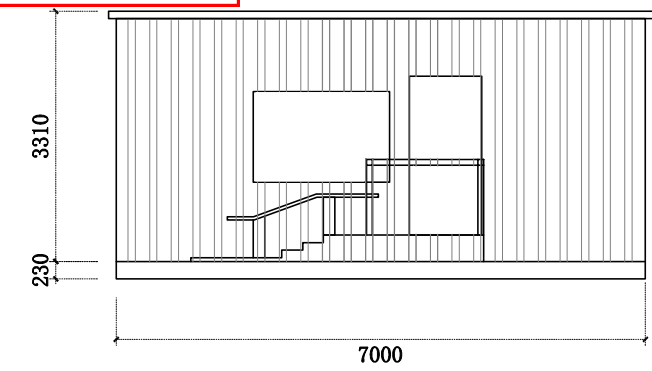
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FLOOR PLAN
1 : 100

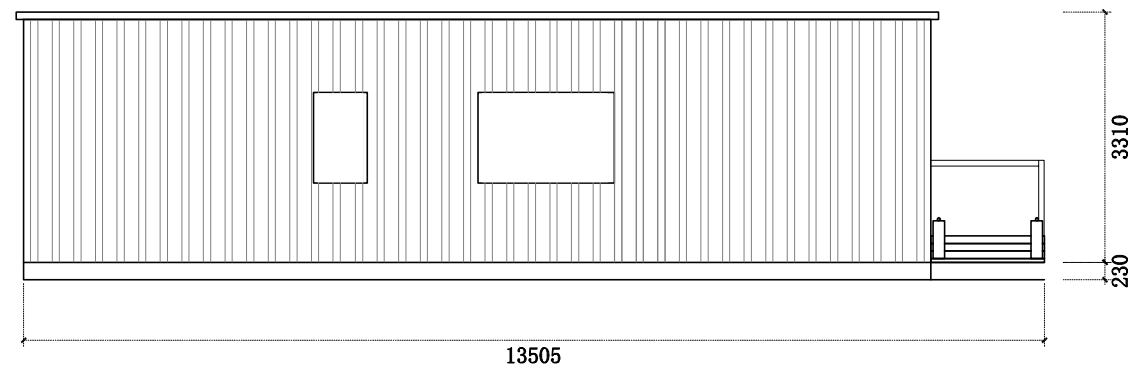
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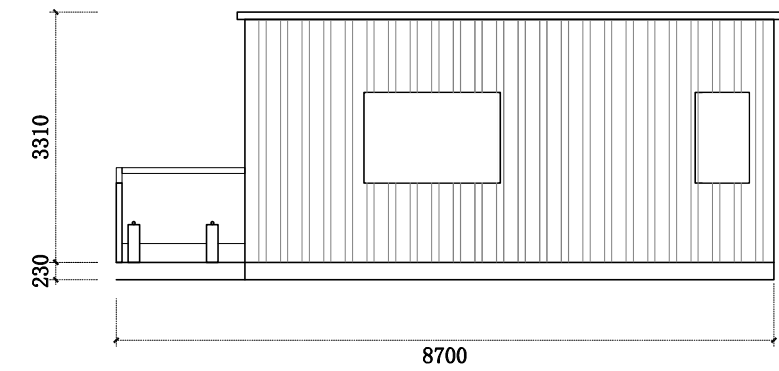
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION



SIDE ELEVATION

O&M FACILITY

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PLAN



Proposed finish
Colorbond Pale Eucalypt

Indicative BESS Facility Plan Operation & Maintenance Facility

[AE1260] Gippsland BESS

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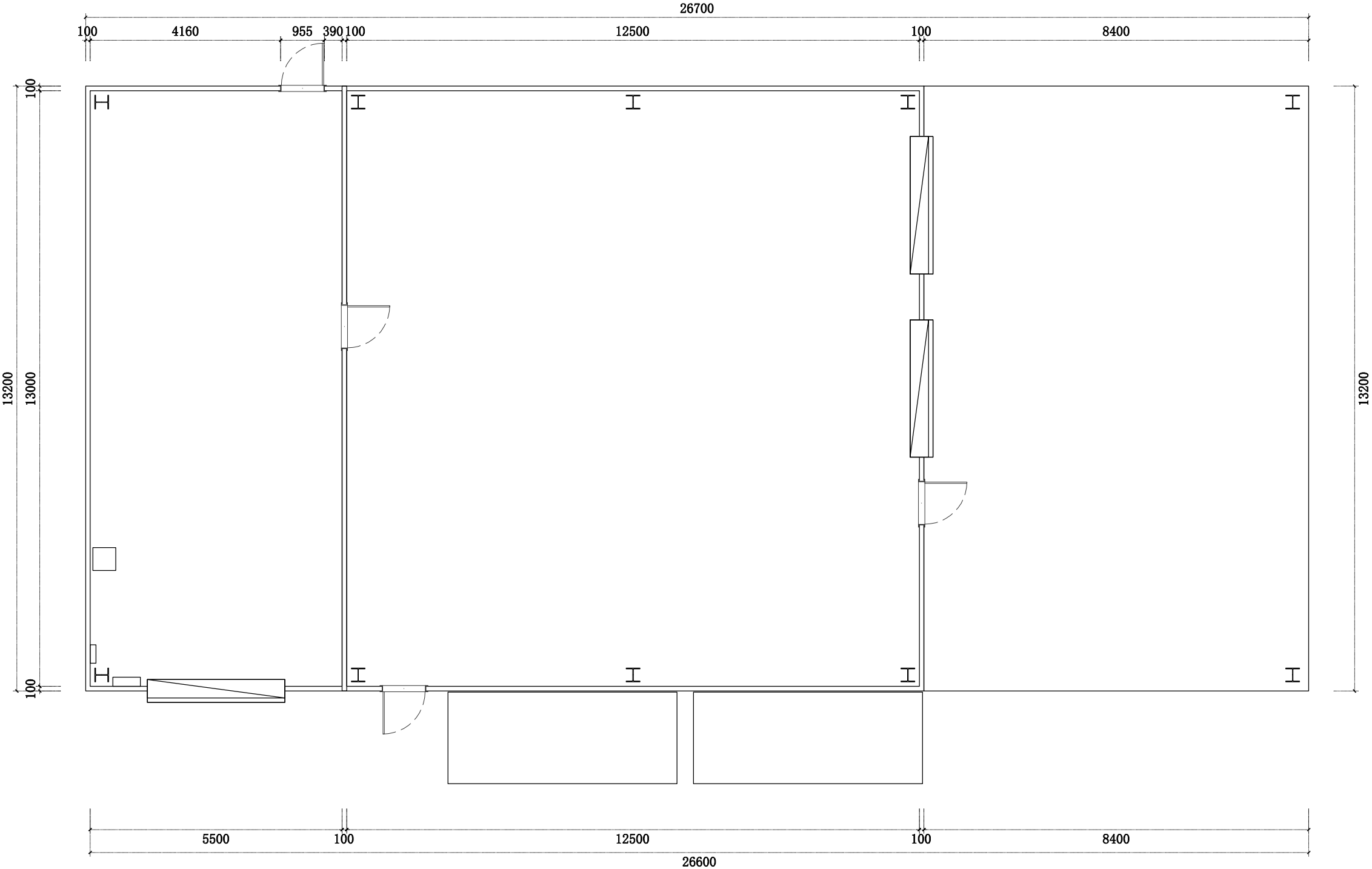
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Indicative BESS
Facility Plan
Warehouse

[AE1260] Gippsland BESS

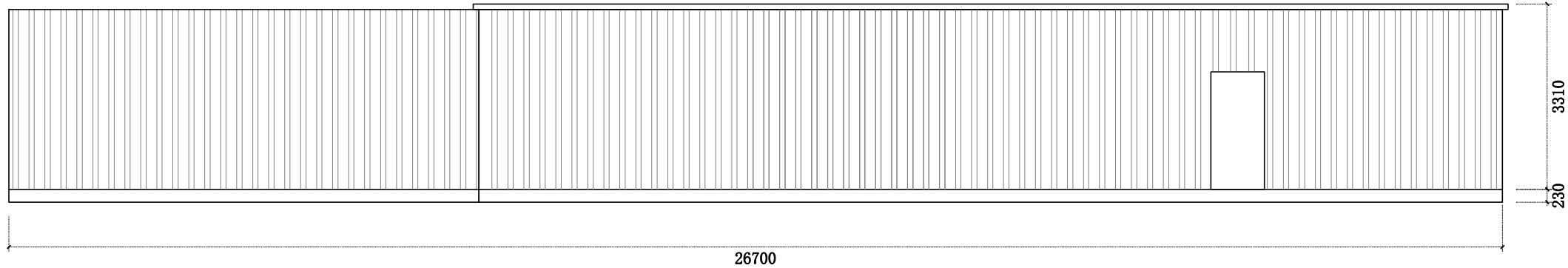
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WAREHOUSE

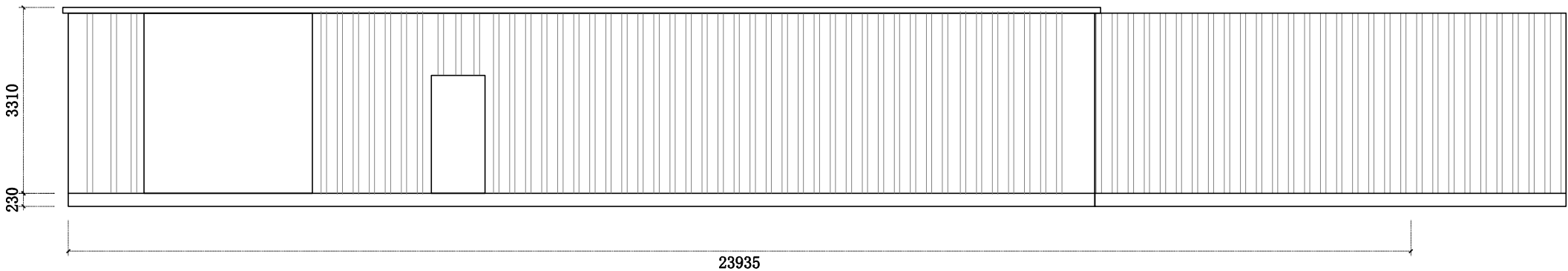
FLOOR PLAN
1 : 100

ADVERTISED
PLAN



FRONT ELEVATION

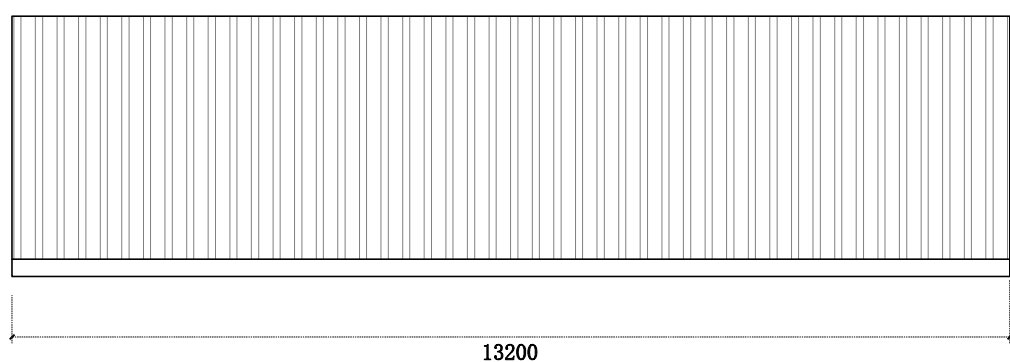
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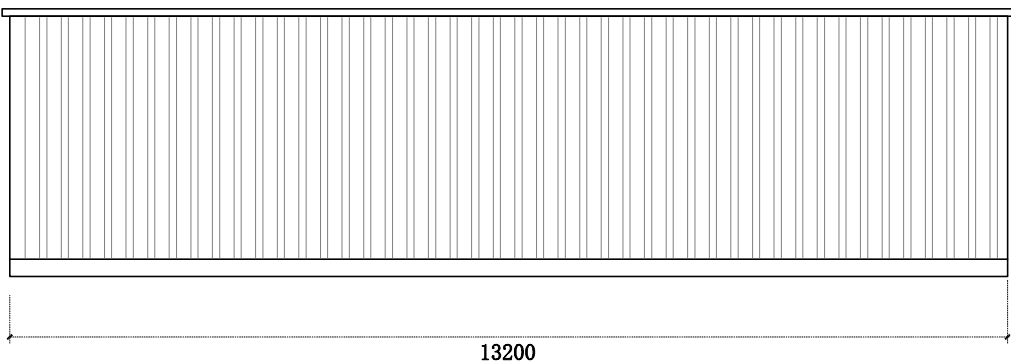
BACK ELEVATION



Proposed finish
Colorbond Pale Eucalypt



SIDE ELEVATION



SIDE ELEVATION

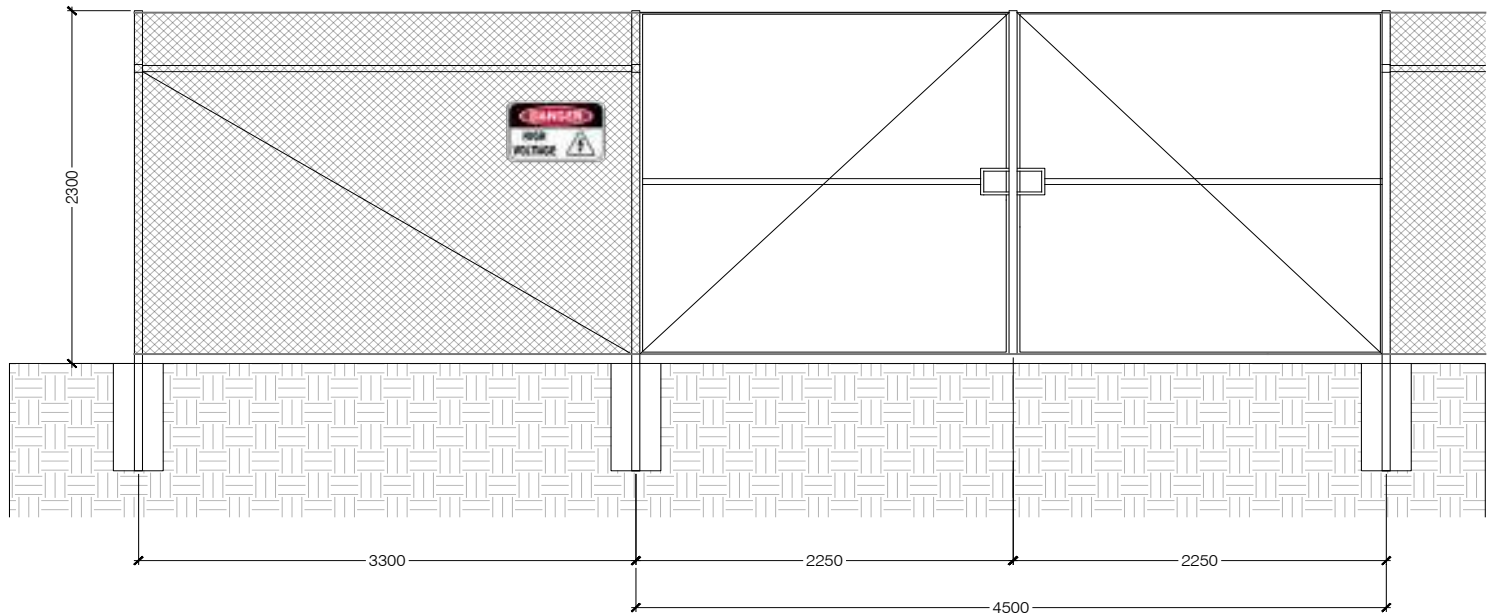
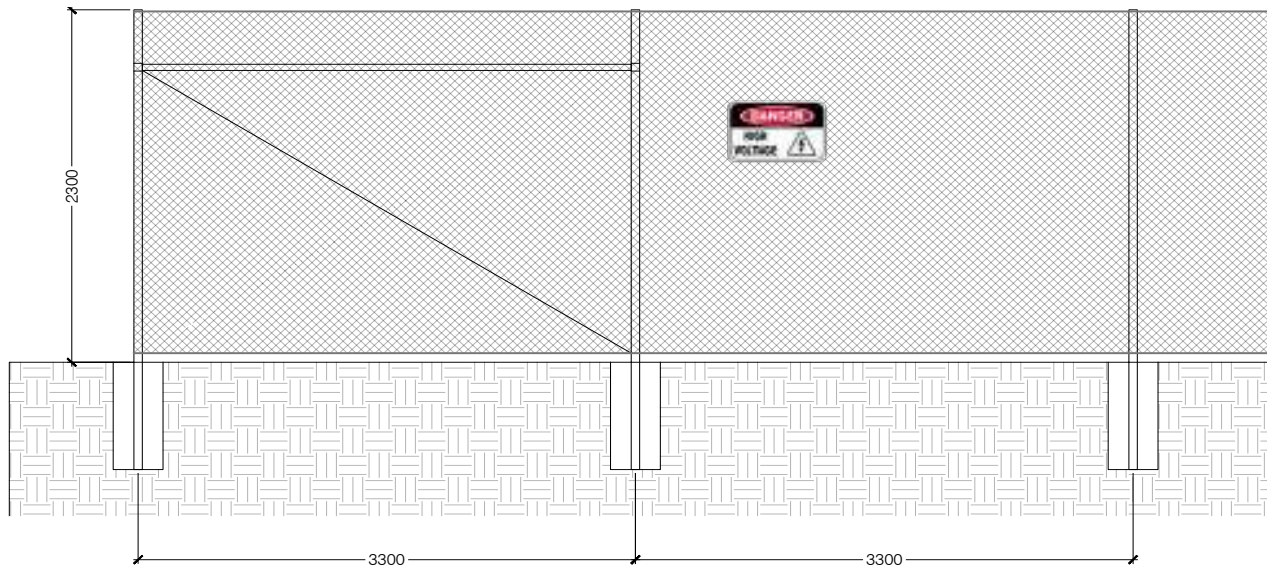
WAREHOUSE

Indicative BESS
Facility Plan
Warehouse

[AE1260] Gippsland BESS

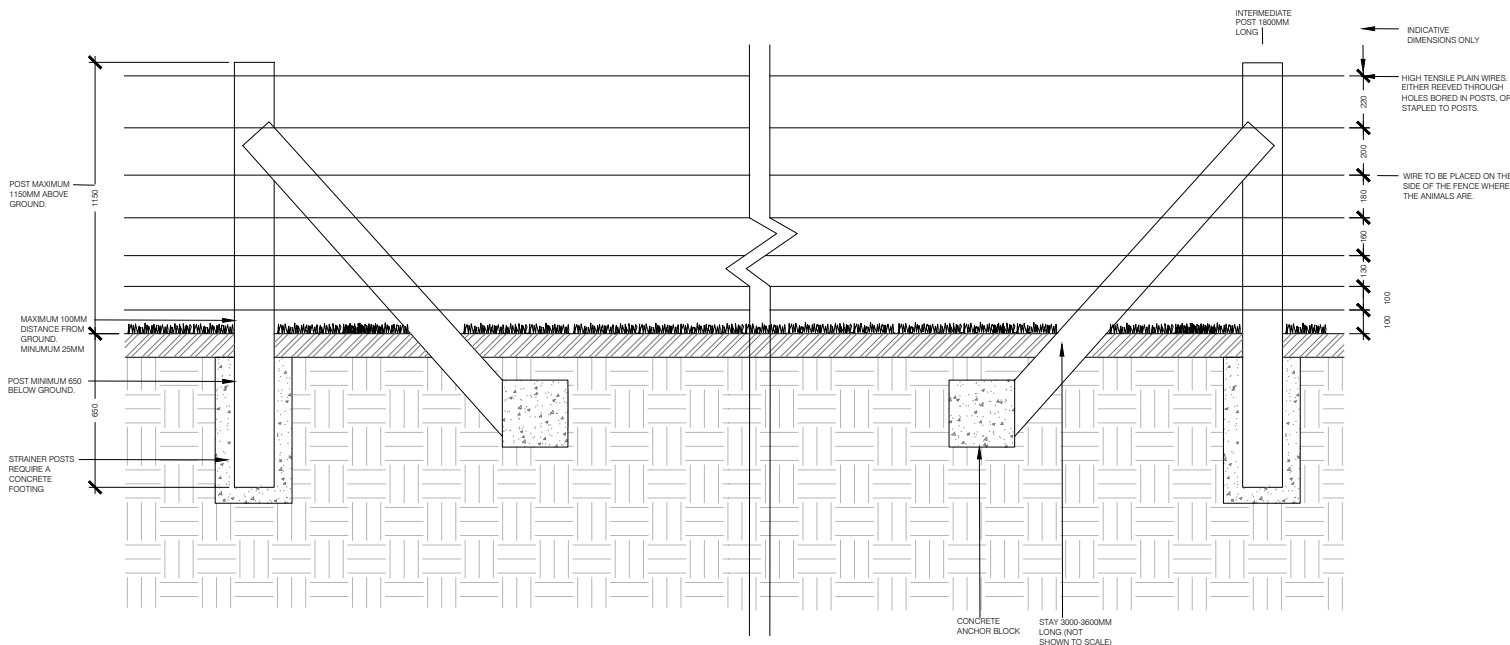
Created: 13/04/2026 Print size: A3 Scale: 1:100

Proposed BESS Facility and Sub-station Perimeter Fence: Indicative High Security Mesh Fence (with Access Gates) (1:50 @A3)



ADVERTISED
PLAN

Proposed Cattle Fence: Indicative Stock Proof Fence (1:100 @A3)



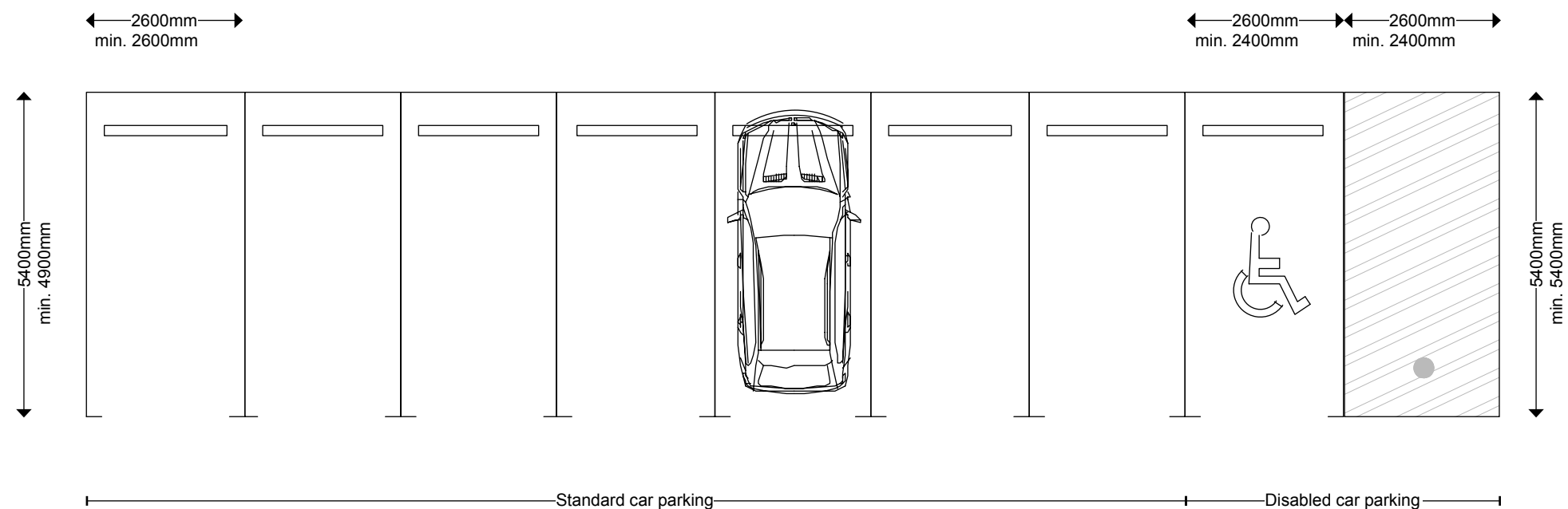
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Indicative BESS
Facility Plan
Fencing

[AE1260] Gippsland BESS

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On-site car parking to be provided in two locations in a row of 8 spaces each, total of 16 car parking spaces

ADVERTISED
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Indicative BESS
Facility Plan
Car Parking

[AE1260] Gippsland BESS

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