



Legend

- Activity Area
- Northern BESS
- Southern BESS
- Optional transformer locations within MWTS
- Proposed access track
- Optional road upgrade within MWTS
- Optional temporary loading area
- Civil Works
- Underground Cable Corridor
- Proposed fencing
- Road
- Cadastre
- Existing fencing

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Data Source: VicMap (2021); Aurecon (2021)

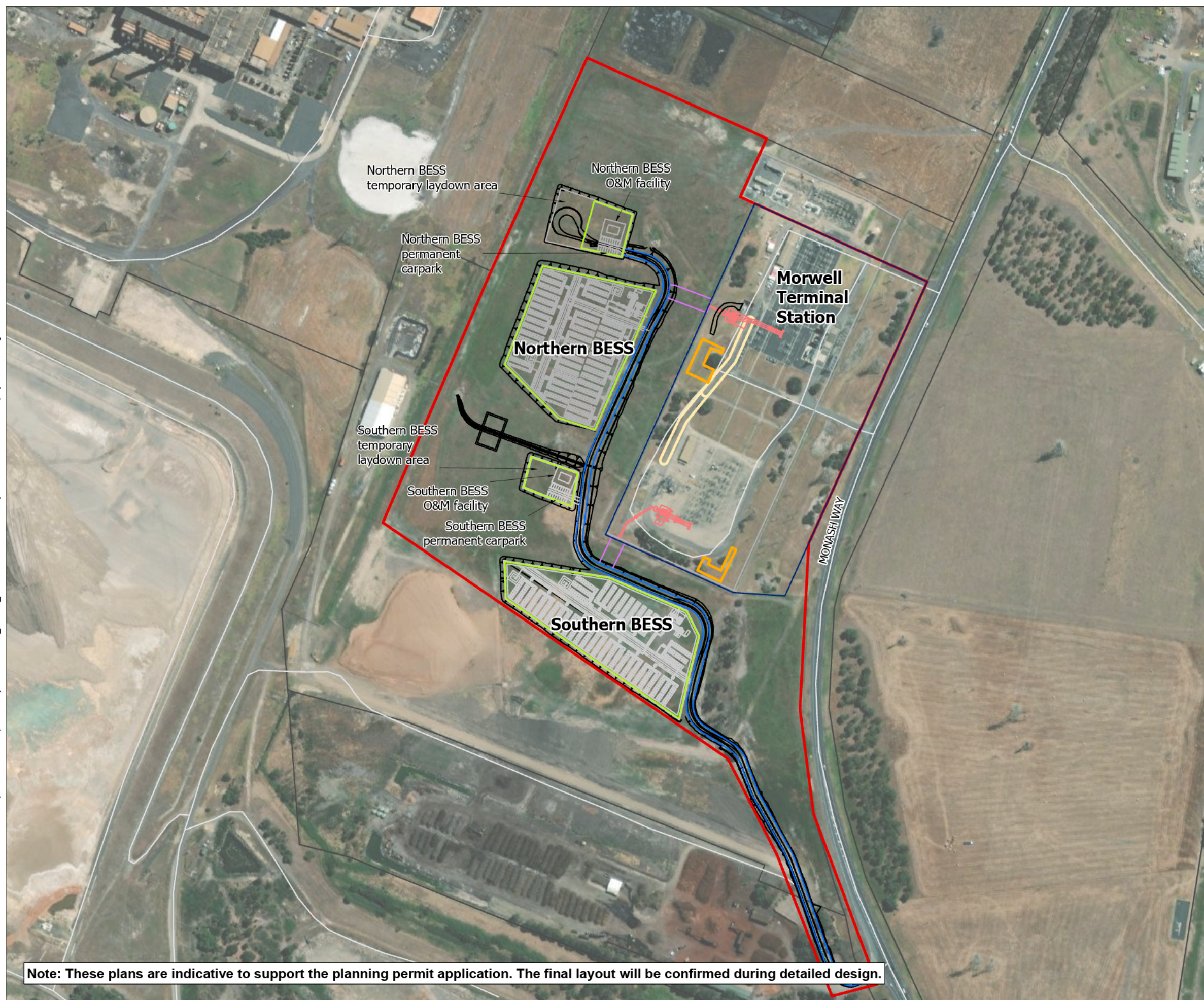
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Date: 13/05/2021

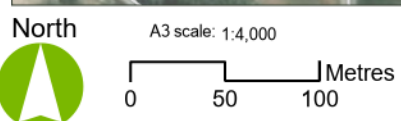
Version: 1

Latrobe Valley BESS project

Indicative Site Layout Plan



Note: These plans are indicative to support the planning permit application. The final layout will be confirmed during detailed design.



Job No: 509891
Coordinate System: GDA 1994 MGA Zone 55

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- Legend
- Activity Area
 - Swale
 - Proposed fencing
 - Existing fencing
 - Proposed access track
 - Optional temporary loading area
 - Indicative BESS Infrastructure
 - Optional transformer locations within MWTS
 - Optional transformer locations within MWTS
 - Underground Cable Corridor
 - Optional road upgrade within MWTS
 - Optional road upgrade within MWTS
 - Civil Works
 - Road
 - Cadastre

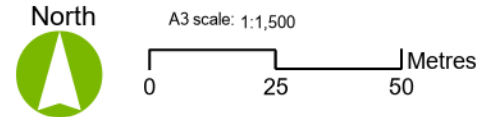
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Date: 13/05/2021 Version: 1

Latrobe Valley BESS project

Indicative Northern BESS Design

C:\Users\jda\Aurecon Group\Melbourne Geospatial - Project Work\0067_Morwell BESS Phase 1\Project\509891 Morwell BESS project - Planning
Author: AL



Job No: 509891
Coordinate System: GDA 1994 MGA Zone 55

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PLAN

Note: These plans are indicative to support the planning permit application. The final layout will be confirmed during detailed design.





Legend

- ▬ Activity Area
- ▬ Existing fencing
- ▬ Proposed fencing
- ▬ Proposed access track
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- ▬ Indicative BESS Infrastructure
- ▬ Optional transformer locations within MWTS
- ▬ Underground Cable Corridor
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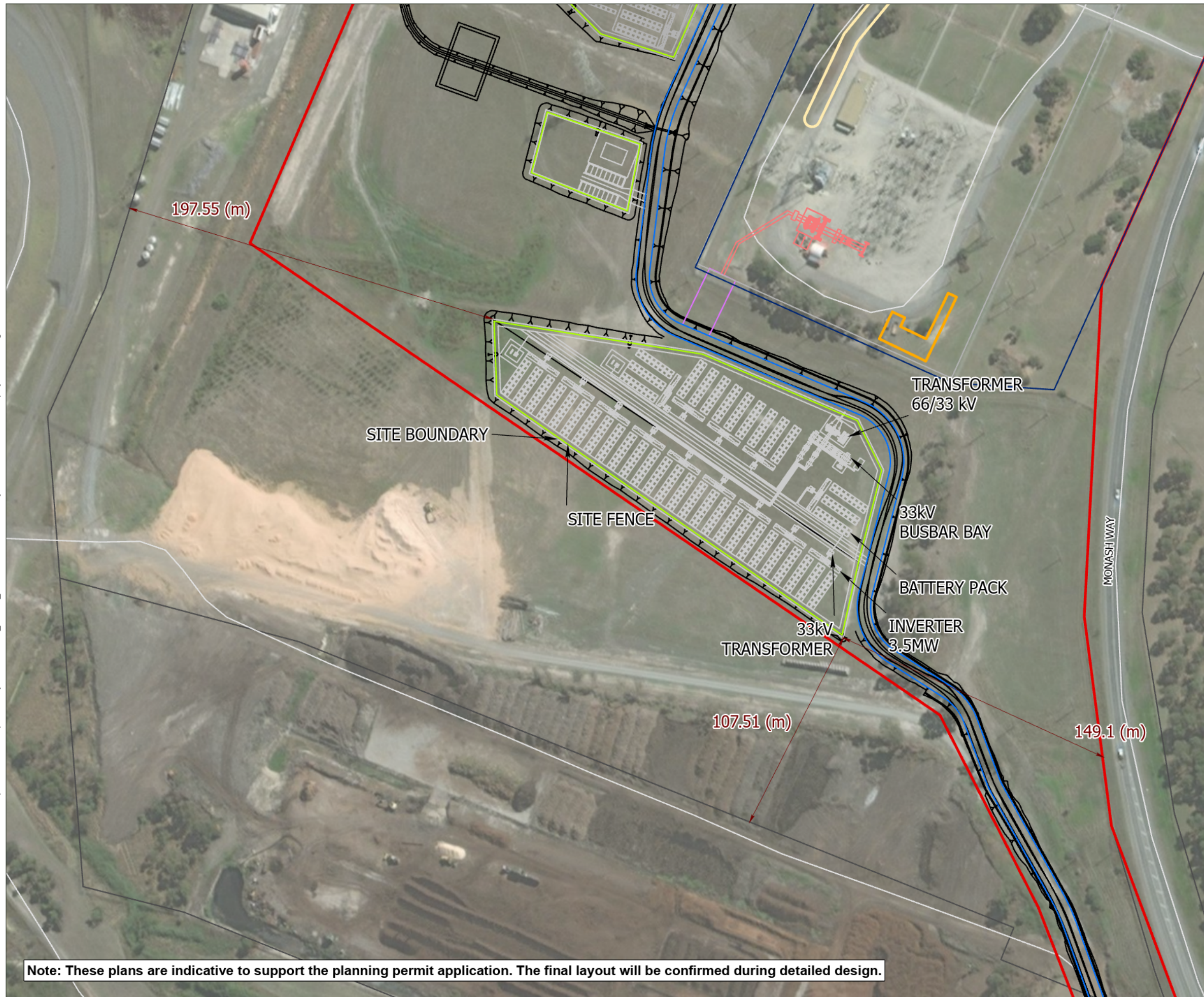
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Date: 13/05/2021

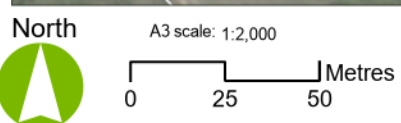
Version: 1

Latrobe Valley BESS project

Indicative Southern BESS Design



Note: These plans are indicative to support the planning permit application. The final layout will be confirmed during detailed design.



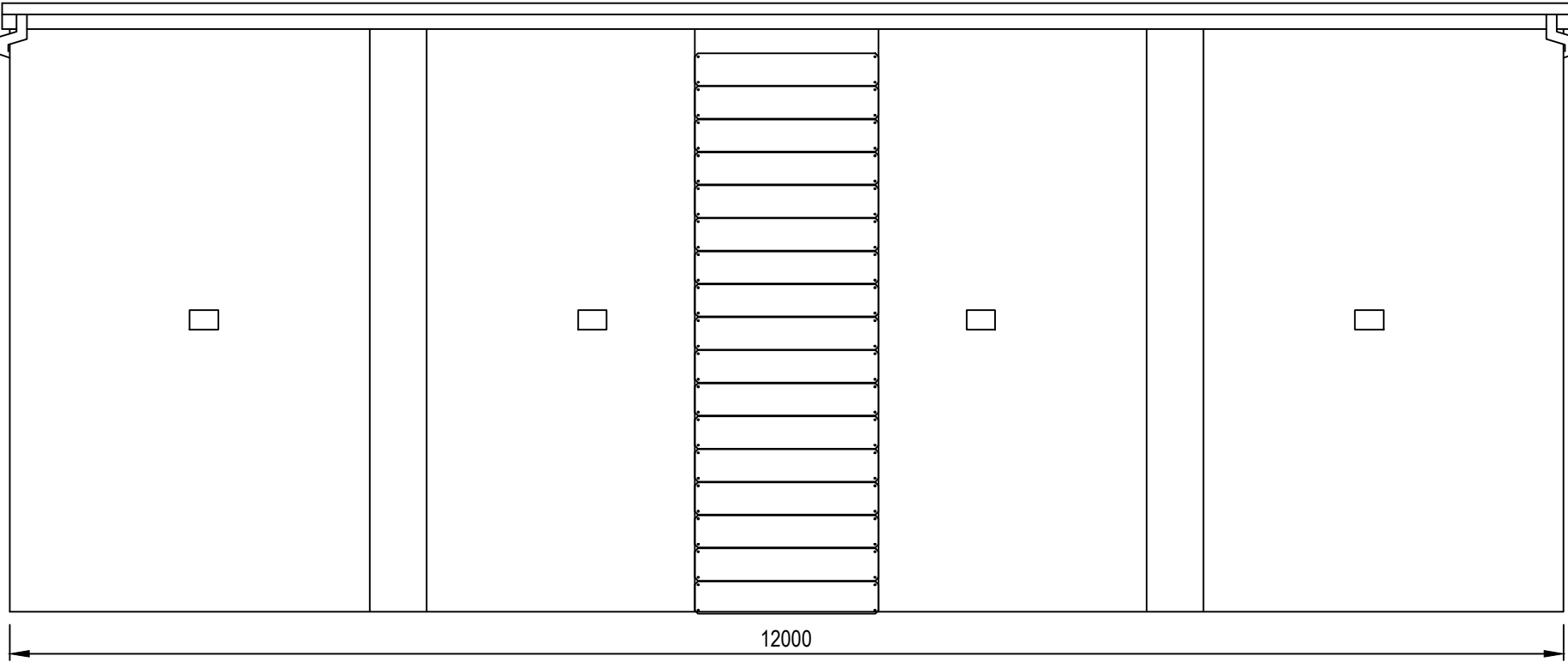
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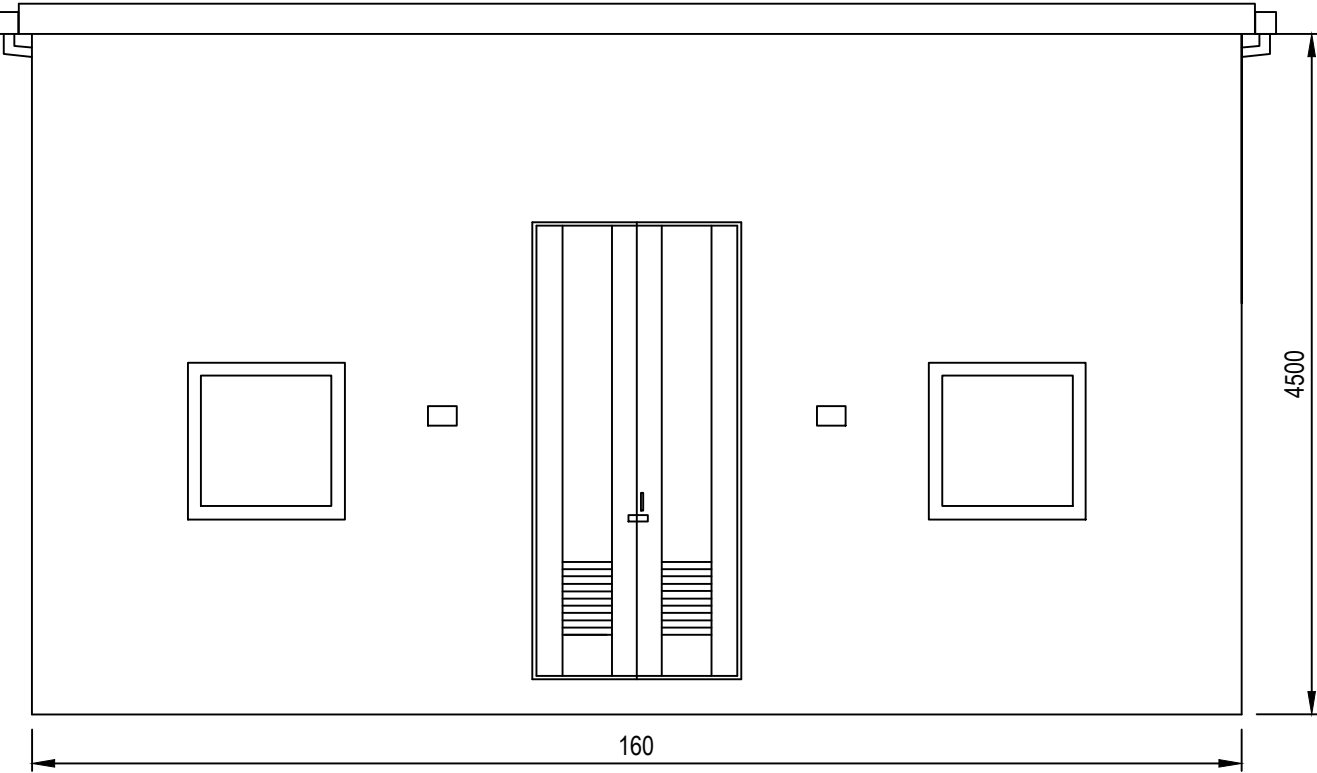
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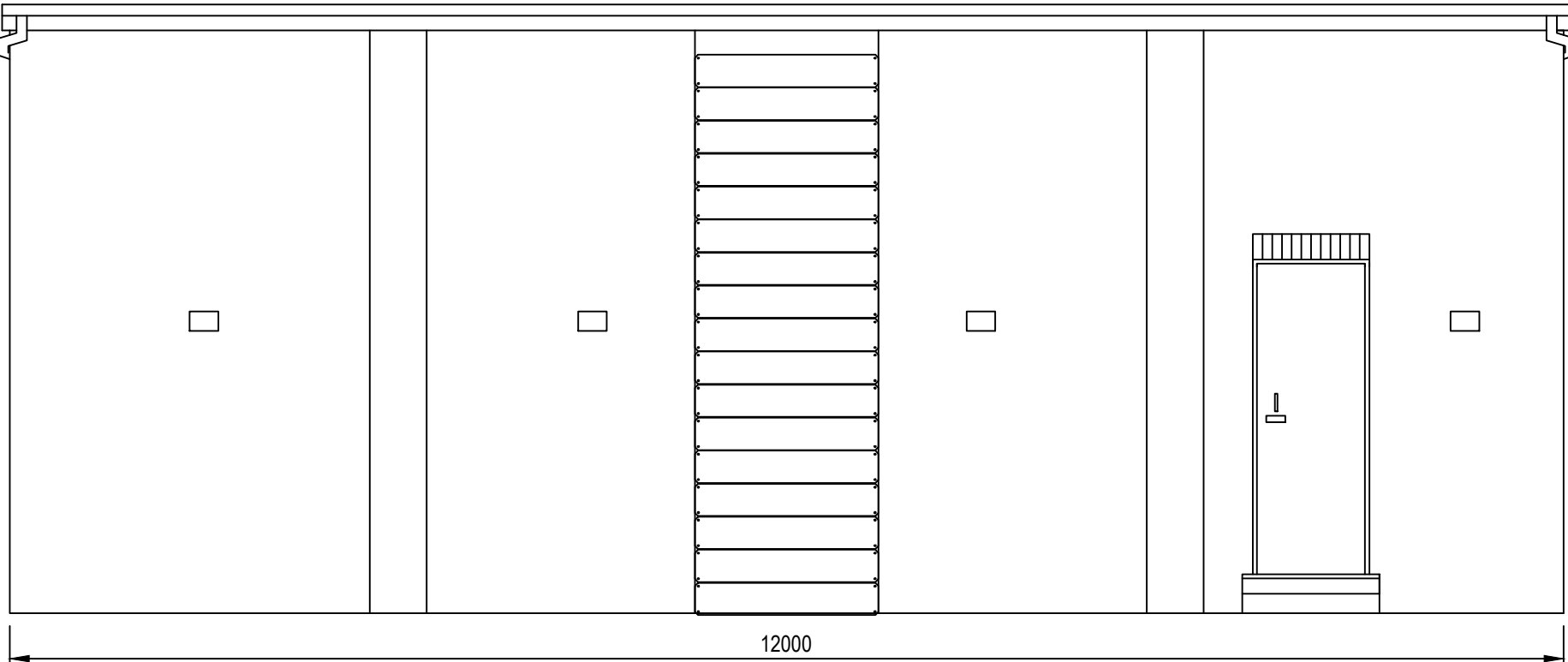
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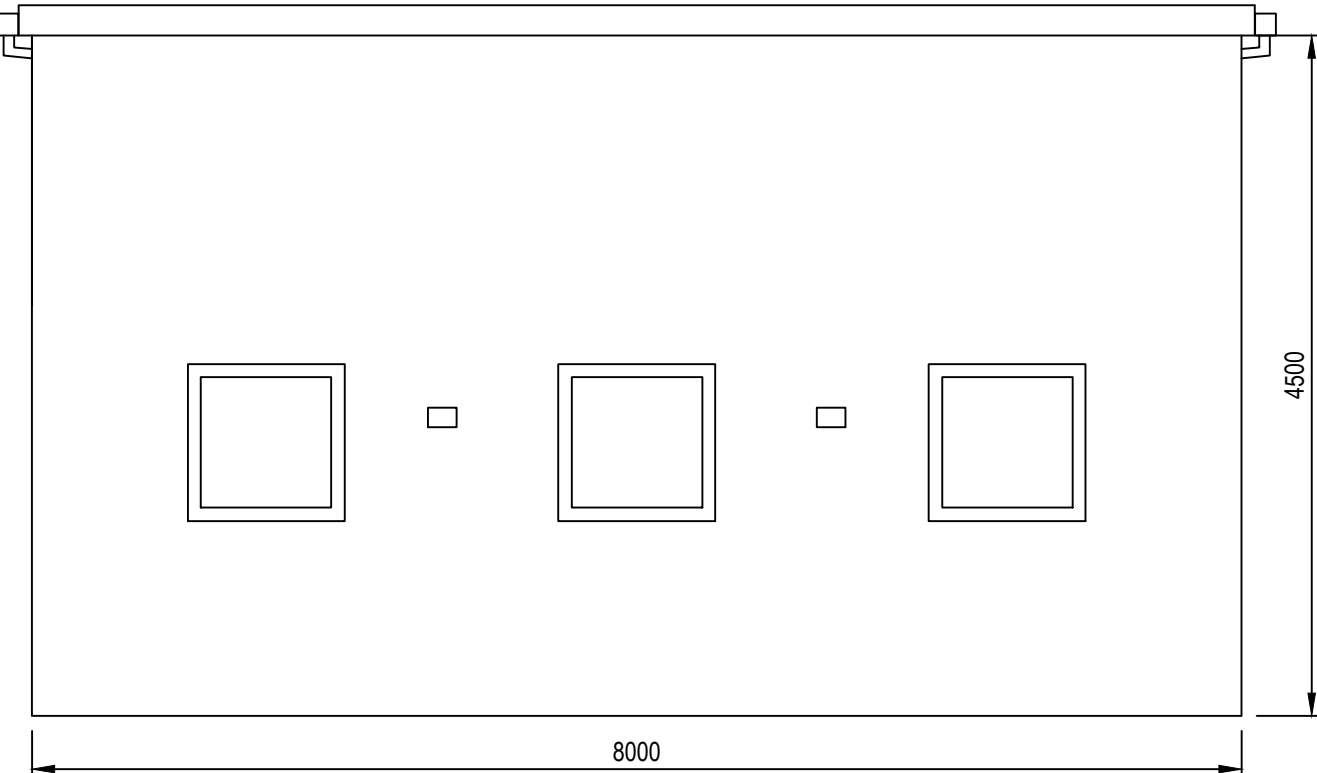
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1:50



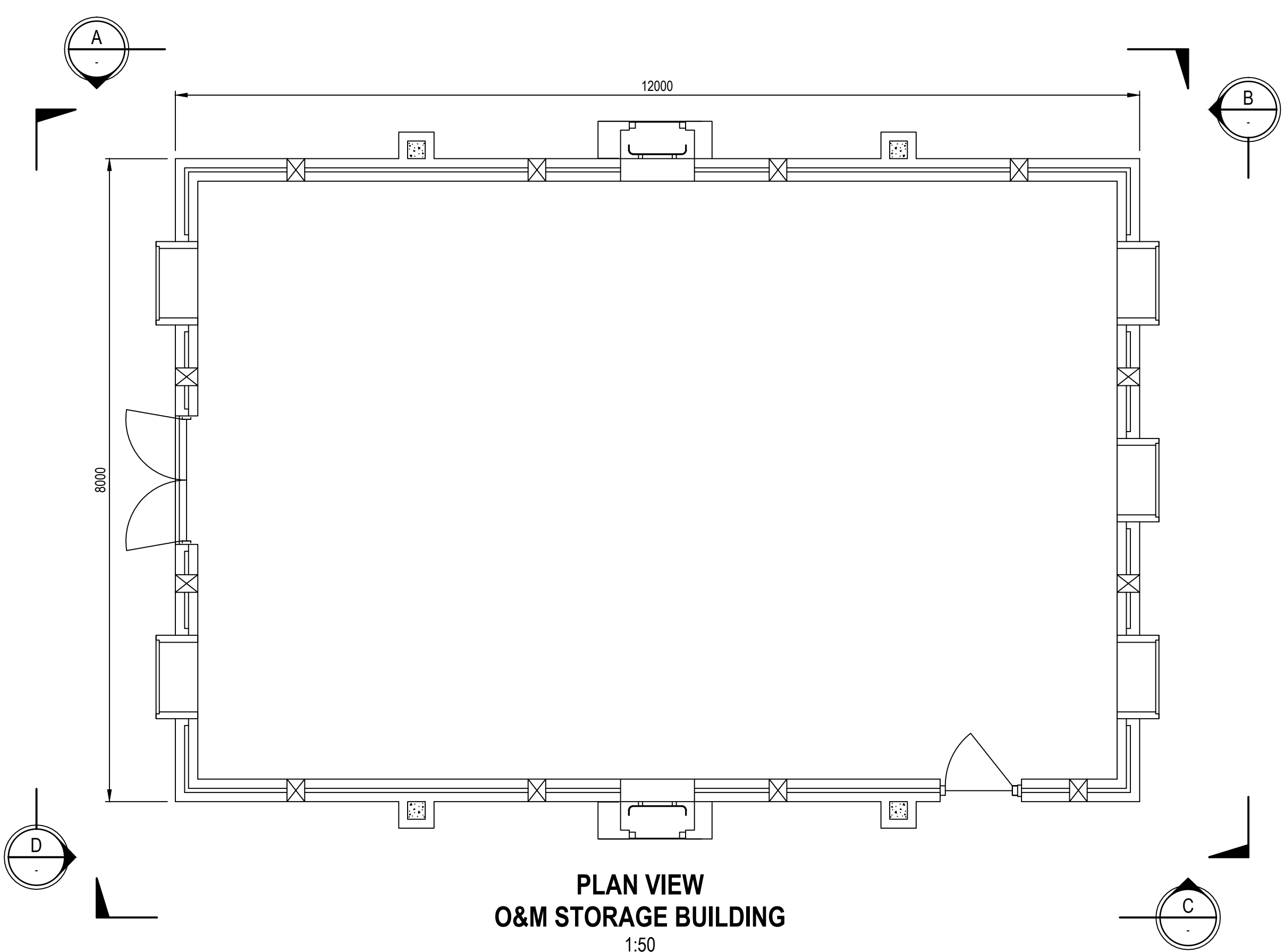
ELEVATION B
1:50



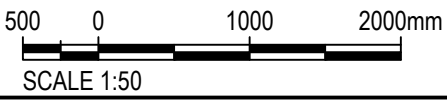
ELEVATION C
1:50



ELEVATION D
1:50



PLAN VIEW
O&M STORAGE BUILDING
1:50



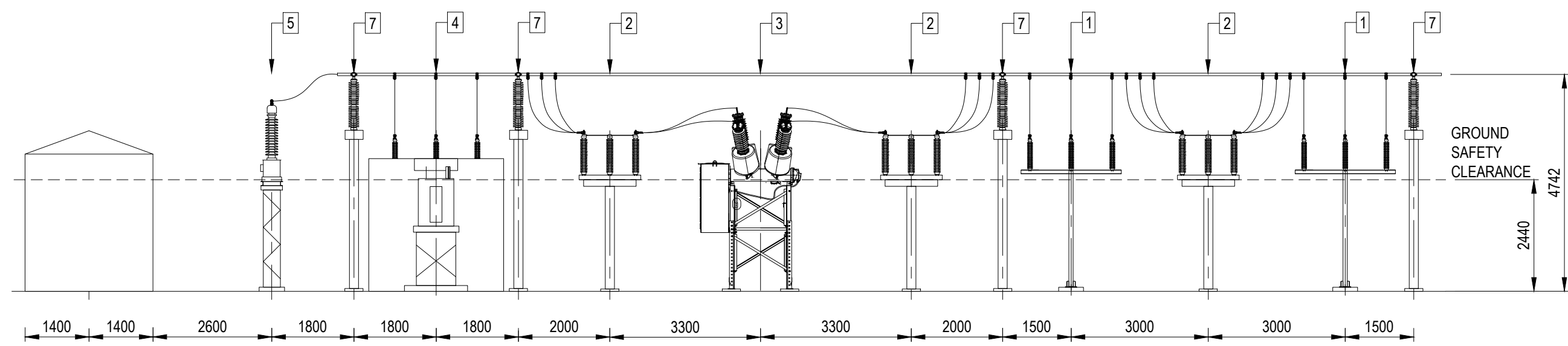
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CLIENT			
REV	DATE	REVISION DETAILS	APPROVED
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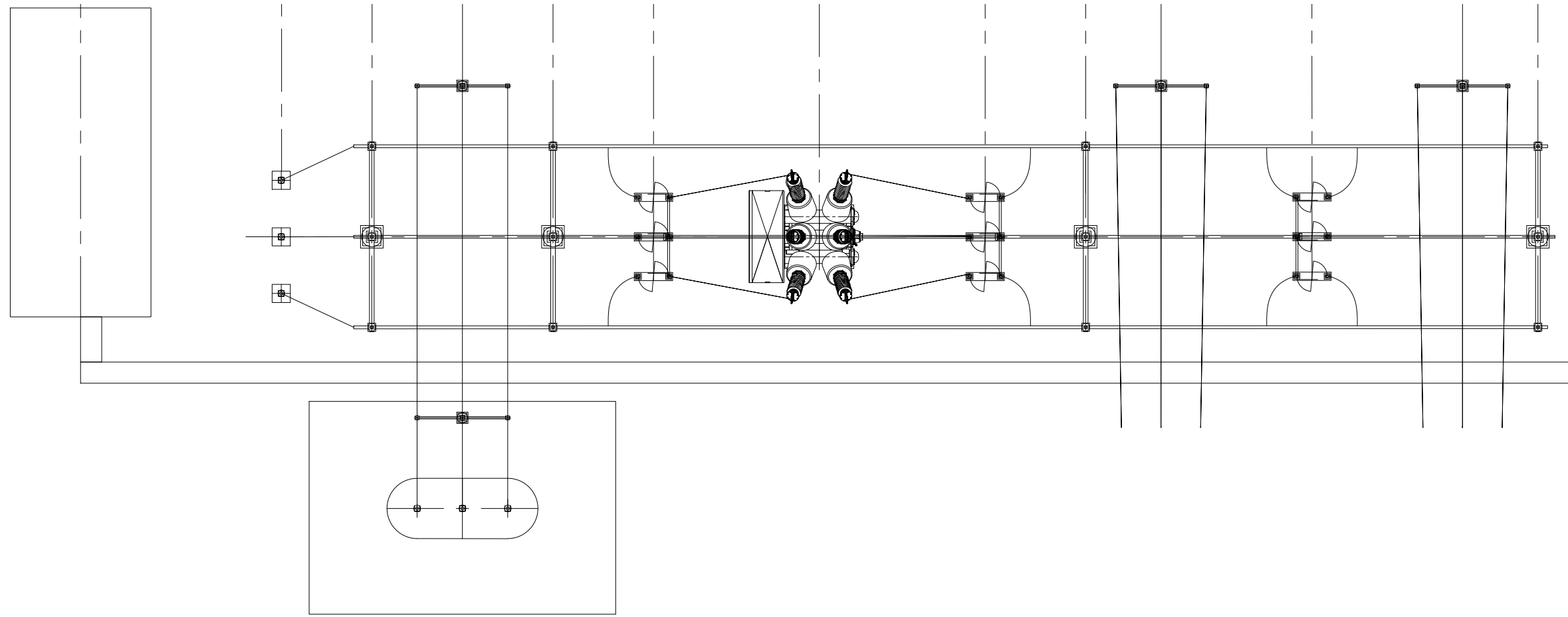
SCALE	SIZE
AS SHOWN	A1
DRAWN	
N. LE CORDEUR	
DESIGNED	
N. HOSSEINIPOOR	
REVIEWED	
S. WILSON	

CONCEPT	
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APPROVED	
DATE	
S. WILSON	

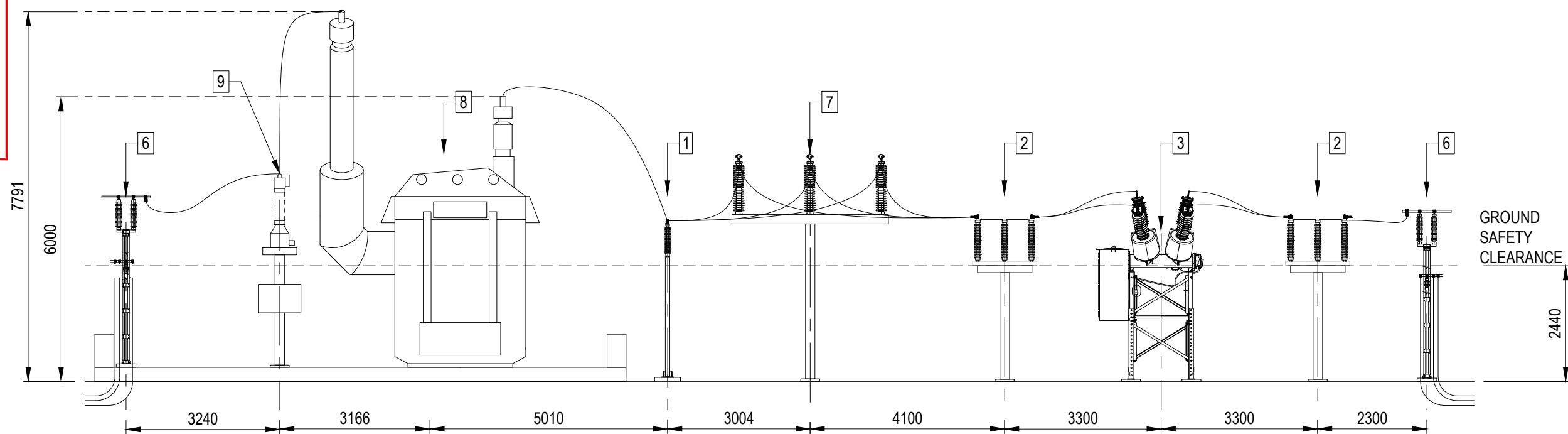
PROJECT	MORWELL						
TITLE	BESS ENVIRONMENTAL ASSESS O&M STORAGE BUILDING TYPICAL ELEVATIONS						
DRAWING No.	PROJECT No.	AREA	TYPE	DISC	NUMBER	REV	
	509891	0000	DRG	EE	0007	0	



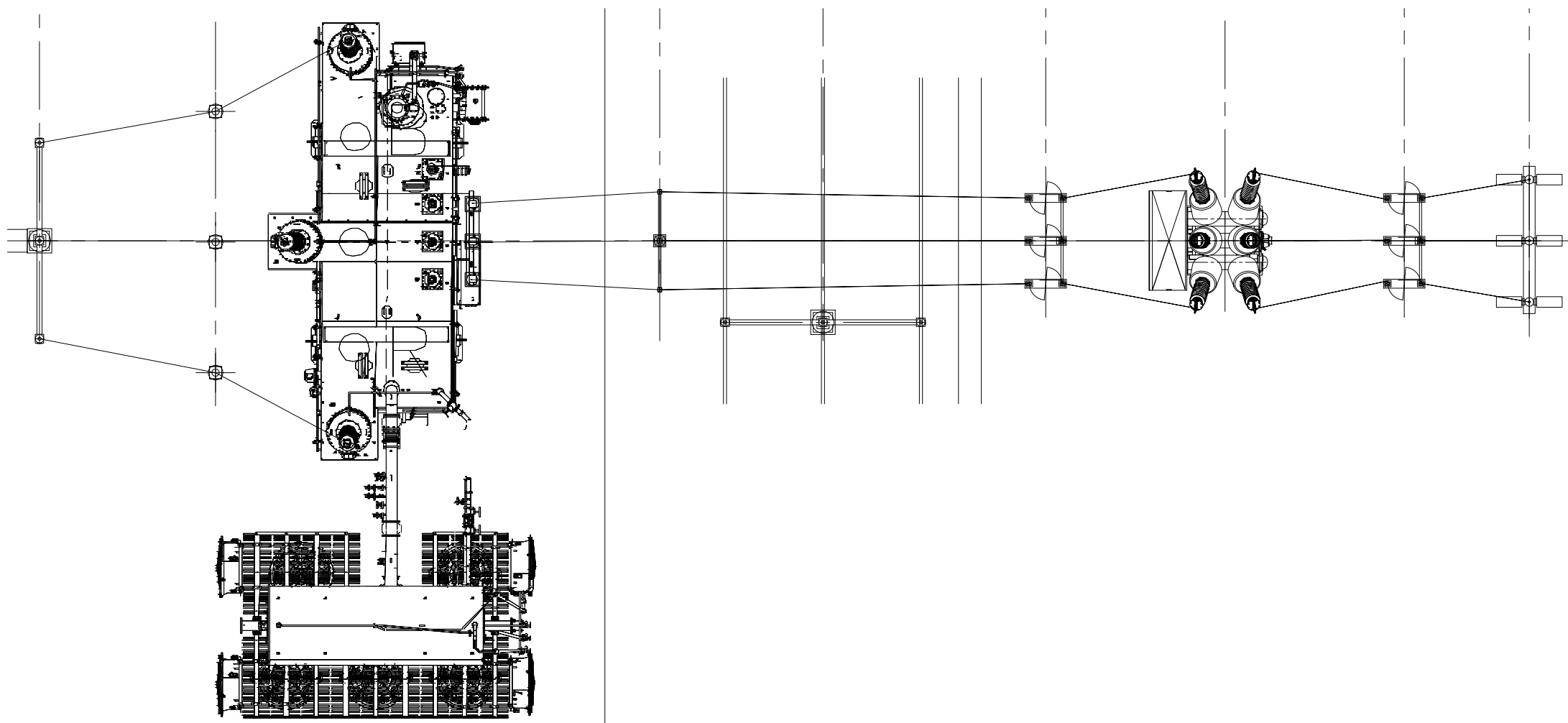
ELEVATION VIEW - 33kV BUSBAR BAY
1:100



PLAN VIEW - 33kV BUSBAR BAY
1:100



ELEVATION VIEW - 33/66kV TRANSFORMER & FEEDER BAY
1:100



PLAN VIEW - 33/66kV TRANSFORMER & FEEDER BAY
1:100

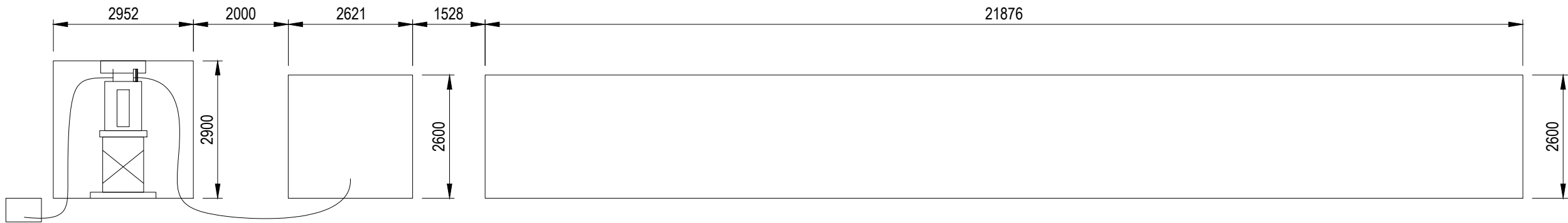
MAIN EQUIPMENT LIST					
EQUIPMENT	WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)	COLOUR	MATERIAL
BATTERY CONTAINER	1830	21880	2600	WHITE	BATTERY: LITHIUM, COBALT, NICKEL, MANGANESE, GRAPHITE, COPPER AND ALUMINIUM, COOLING SYSTEM: REFRIGERANT (E.G. R-134A), COOLANT, FIRE SUPPRESSANT: TYPICALLY AEROSOL SUPPRESSANT (E.G. FIREPRO, STAT-X), CONTAINERS: STEEL
INVERTER	9300	2620	2600		
TRANSFORMER 33 kV	2820	2960	2900	WHITE / GREEN	STEEL & COPPER
AUX TRANSFORMER	1730	1800	2000	WHITE / GREEN	STEEL & COPPER
66 kV TRANSFORMER	14800	11100	5000 - 8000	WHITE / GREEN	STEEL & COPPER

LEGEND:

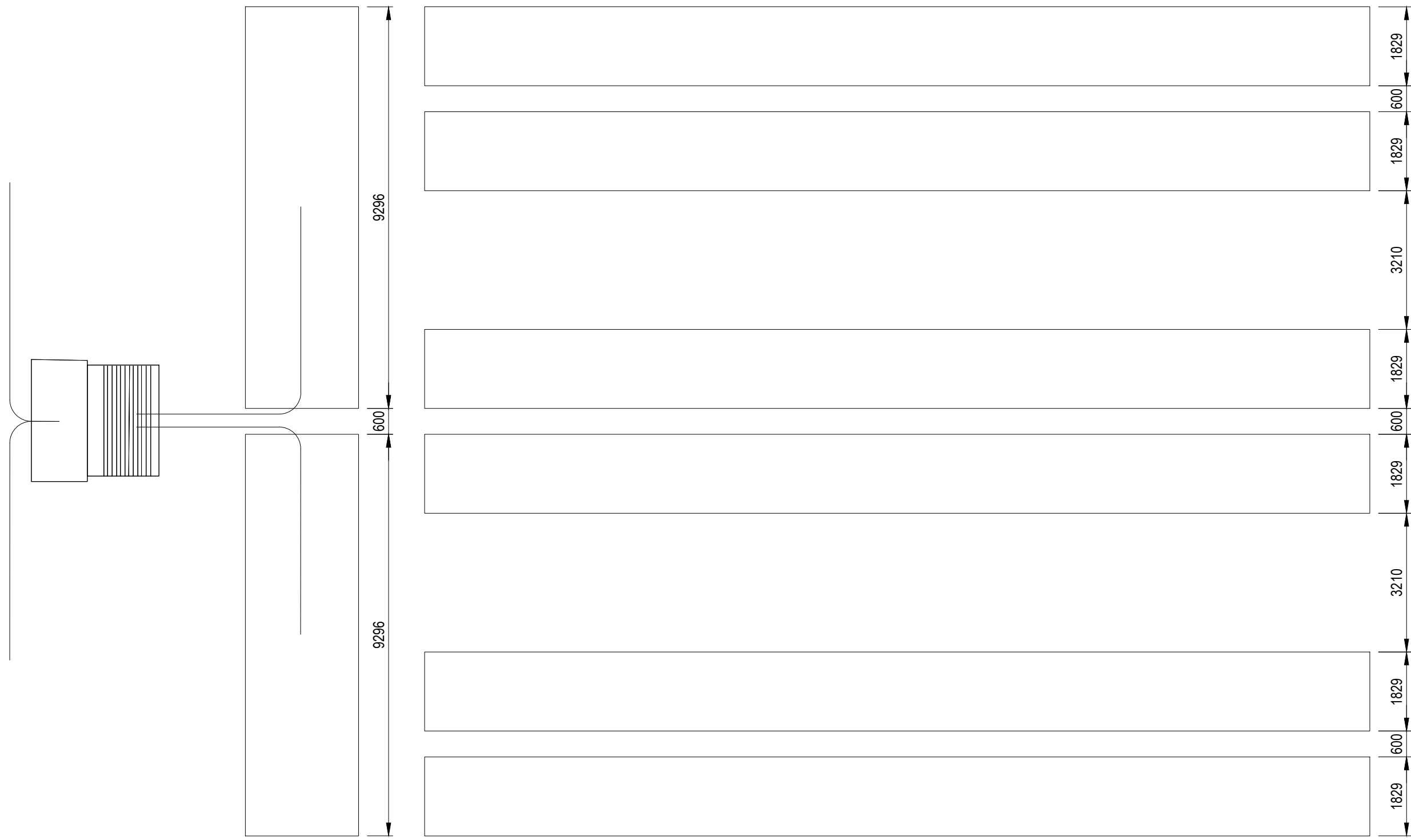
- BUSBUR SUPPORT STRUCTURE 33kV
- DISCONNECTOR
- CIRCUIT BREAKER
- EARTHING TRANSFORMER
- VOLTAGE TRANSFORMER 33/66kV/110V
- CABLE END
- BUSBUR SUPPORT STRUCTURE 66kV
- 66/33 kV TRANSFORMER
- SURGE ARRESTER

NOTE:

- THIS ELEVATION DRAWING IS INDICATIVE AND THE PROVIDED HEIGHT AND ELEVATION ARE SUGGESTION ONLY.



ELEVATION VIEW - BATTERY BANK, INVERTER AND 33kV TRANSFORMER
1:100



PLAN VIEW - BATTERY BANK, INVERTER AND 33kV TRANSFORMER
1:100

1 0 2 4m
SCALE 1:100

CLIENT

REV

DATE

REVISION DETAILS

APPROVED

SCALE

SIZE

CONCEPT
NOT FOR CONSTRUCTION

PROJECT

MORWELL

APPROVED

DATE

TITLE

BESS ENVIRONMENTAL ASSESS
BESS EQUIPMENT
TYPICAL ELEVATIONS

DRAWING No.

PROJECT No.

AREA

TYPE

DISC

NUMBER

REV

DRAWN

N. LE CORDEUR

DESIGNED

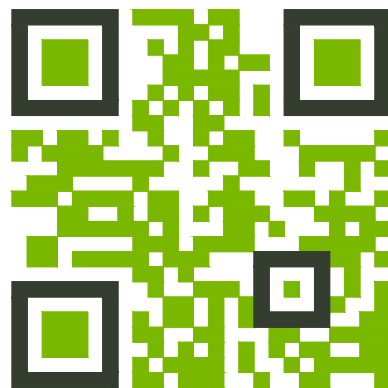
N. HOSSEINIPOOR

REVIEWED

S. WILSON

S. WILSON

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Proj Date: 2020-12-11 14:56:00 Office: Brisbane Filename: per/design/hva-aurecon-efk-PW_AUDCI_01/Document/Project/5900/59001 - Morwell BESS Environmental Assess/5-Drawing_ELE0006/0000.DWG-EE-0006.dwg

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