

Planning Unit

Written Approval by a Person Affected by an Application for Resource Consent

Section 95E(3), Resource Management Act 1991 – Form 8A

Send or deliver your application to: Selwyn District Council, PO Box 90, Rolleston 7643 or rcapps@selwyn.govt.nz
For enquiries phone: (03) 347-2800 or email: contactus@selwyn.govt.nz

1. Affected Person's Details

Full Name of Person(s):

Rutland Donald Smith
Shendan Louise Manning-Smith

I am / We are the:

☐

Owner(s)

☐

Occupier(s)

☐

Tenant(s)

☐

Mortgagee(s)

☐

Beneficiary(s)

☐

Trustee(s)

Of the property situated at:

(Address of the property of the person signing this form)

I / We give written approval to the following activity:

2. The Applicant

Full Name of Applicant:

Darfield Solar and Energy Storage Ltd

3. The Application Site

Address or location of the proposed development or activity:

1352 Homebush Road, Darfield

4. The Proposal

Description of the proposed development or activity, including the ways it does not comply with the District Plan (attach extra pages if necessary):

A 148 hectare / 117 MW agrivoltaic development, as outlined in the Project Summary / Assessment of Environmental Effects documents

5. Written Approvals

I understand that as I have given written approval, the Council shall not take into account any effects that the proposal may have on me when considering the application. I can confirm that I have viewed the application for resource consent and signed each page of the plans.

All owners and occupiers of this property must have signed the approval form, if the property is held in a Trust, all Trustees must sign. Conditional written approvals cannot be accepted.

Where this form has been signed on behalf of a trust or company, or under a Power of Attorney, please supply the necessary documentation to confirm that you have the signing authority.

Date: *20/03/23*

* A signature is not required if you give your written approval by electronic means.

Contact:

Address:

Telephone:



DARFIELD SOLAR & ENERGY STORAGE



**117 MW Agrivoltaic and 106 MW Battery Energy Storage
Development**

1352 Homebush Road, Darfield

Name:

Richard + Sheri Smith

Date:

projects@nzcleanenergy.nz

www.nzcleanenergy.co.nz



DARFIELD SOLAR & ENERGY STORAGE
LIMITED

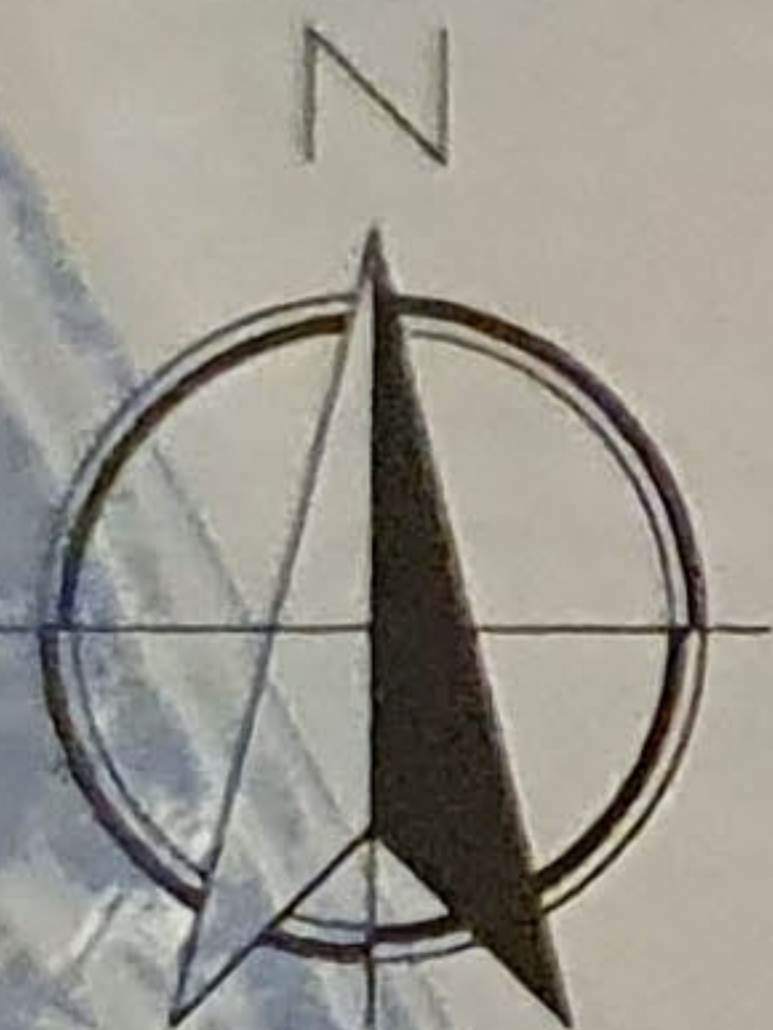
**DARFIELD AGRIVOLTAIC SOLAR
& ENERGY STORAGE**

Resource Consent Applications and
Assessment of Environmental Effects

EXECUTIVE SUMMARY

27 August 2024

Name: Richard + Sheri Smith



- Key:
- Outside fence
 - Install Setback
 - Water Race
 - Existing overhead line
 - New Underground Cable
 - Inverter Pairs
 - Perimeter Roadway
 - Internal Roadway
 - Fire fighting water tanks

Yard

Culvert

Inverter Pairs

East Entrance

Culvert

10m perimeter buffer zone
(incl. access and planting)

Culvert

South Entrance

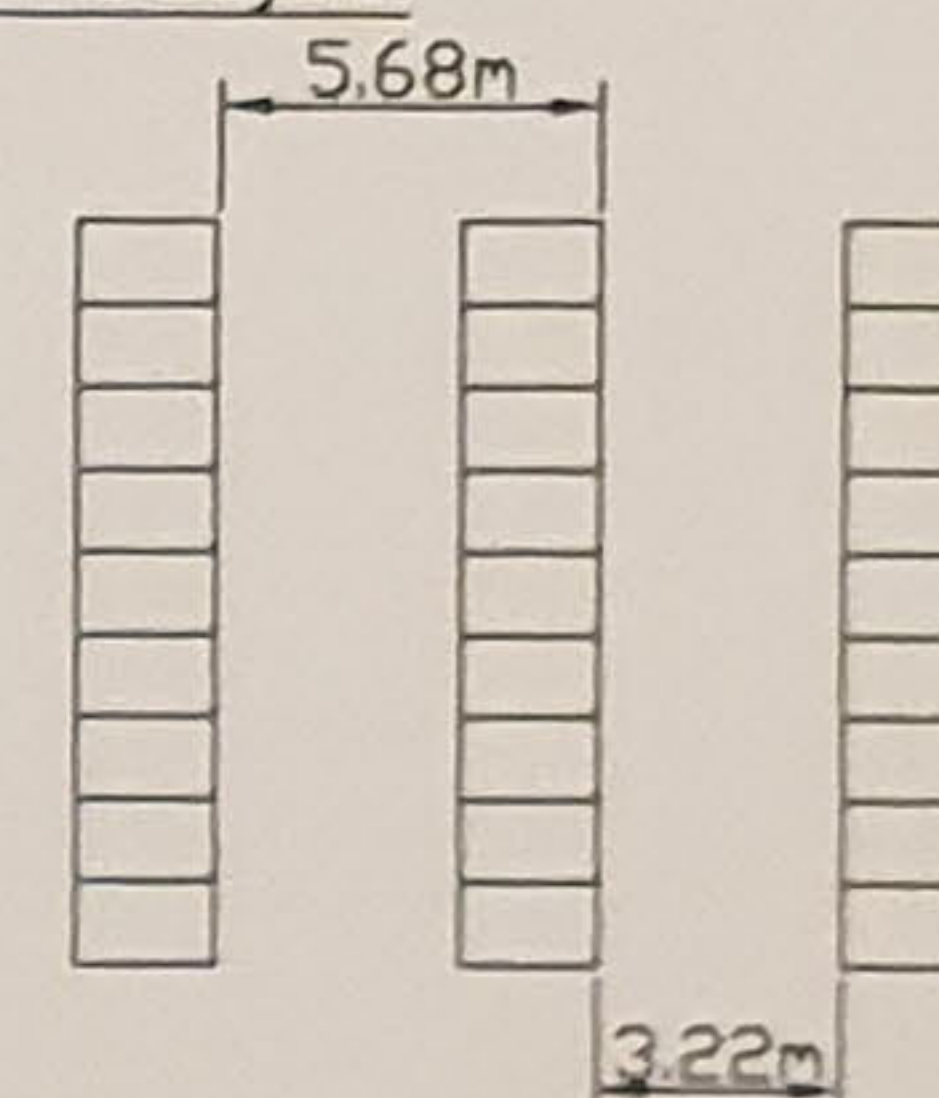
Route to Construction
Laydown

Construction Laydown
(Temporary)

NOT FOR CONSTRUCTION



Panel Frame Layout



Title	Plot Plan
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year



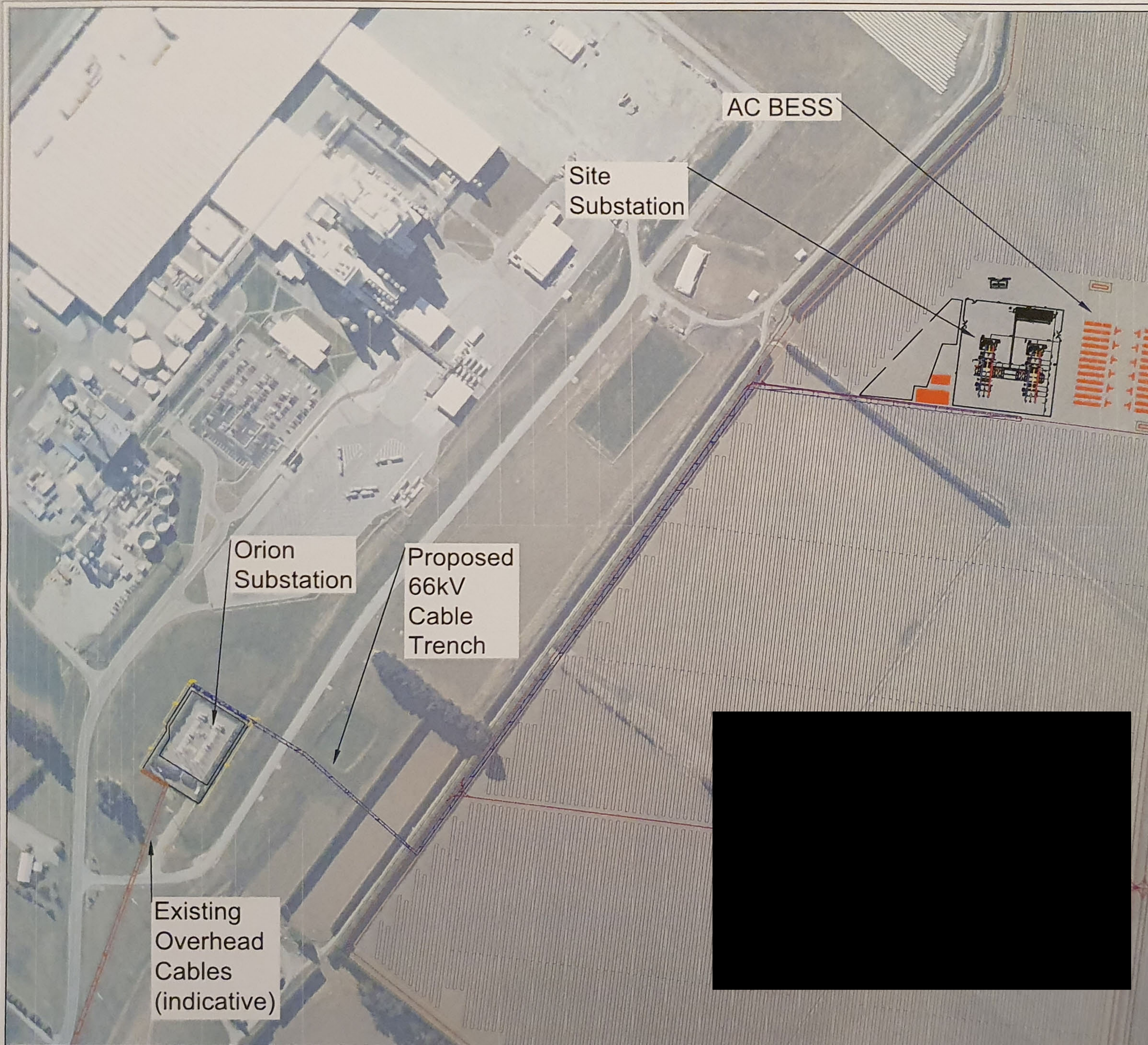
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-001
Revision #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

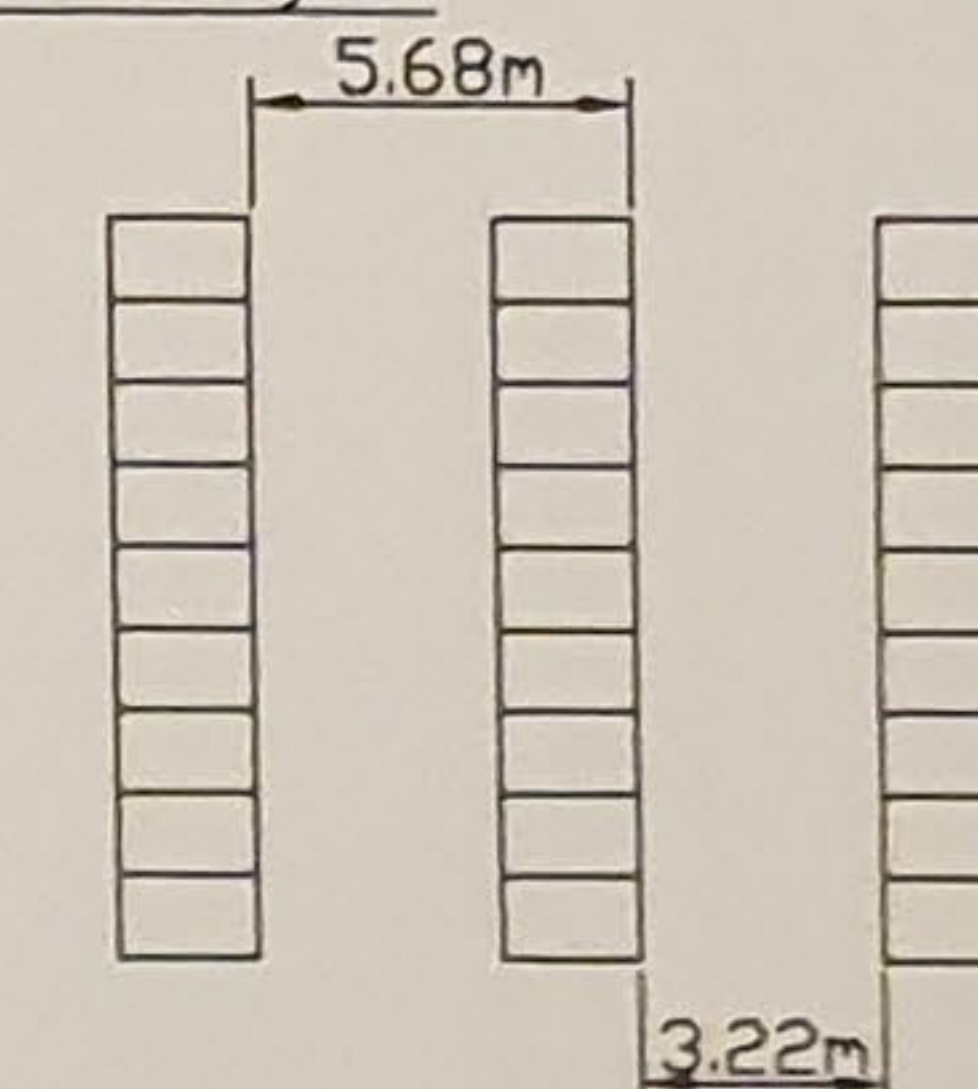
Name: _____

Date: ____/____/____ Signat _____

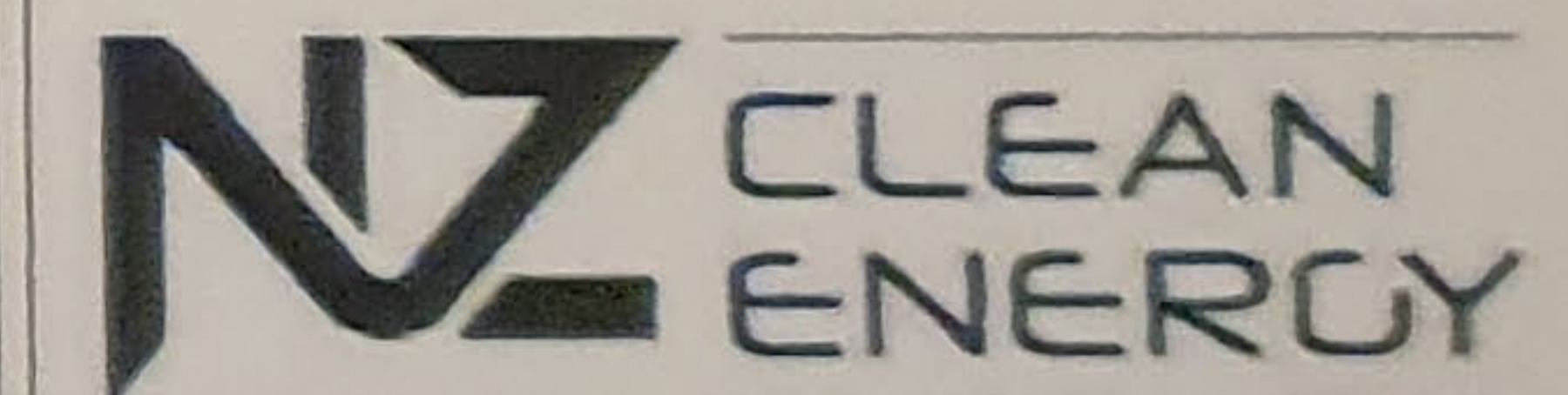




Panel Frame Layout

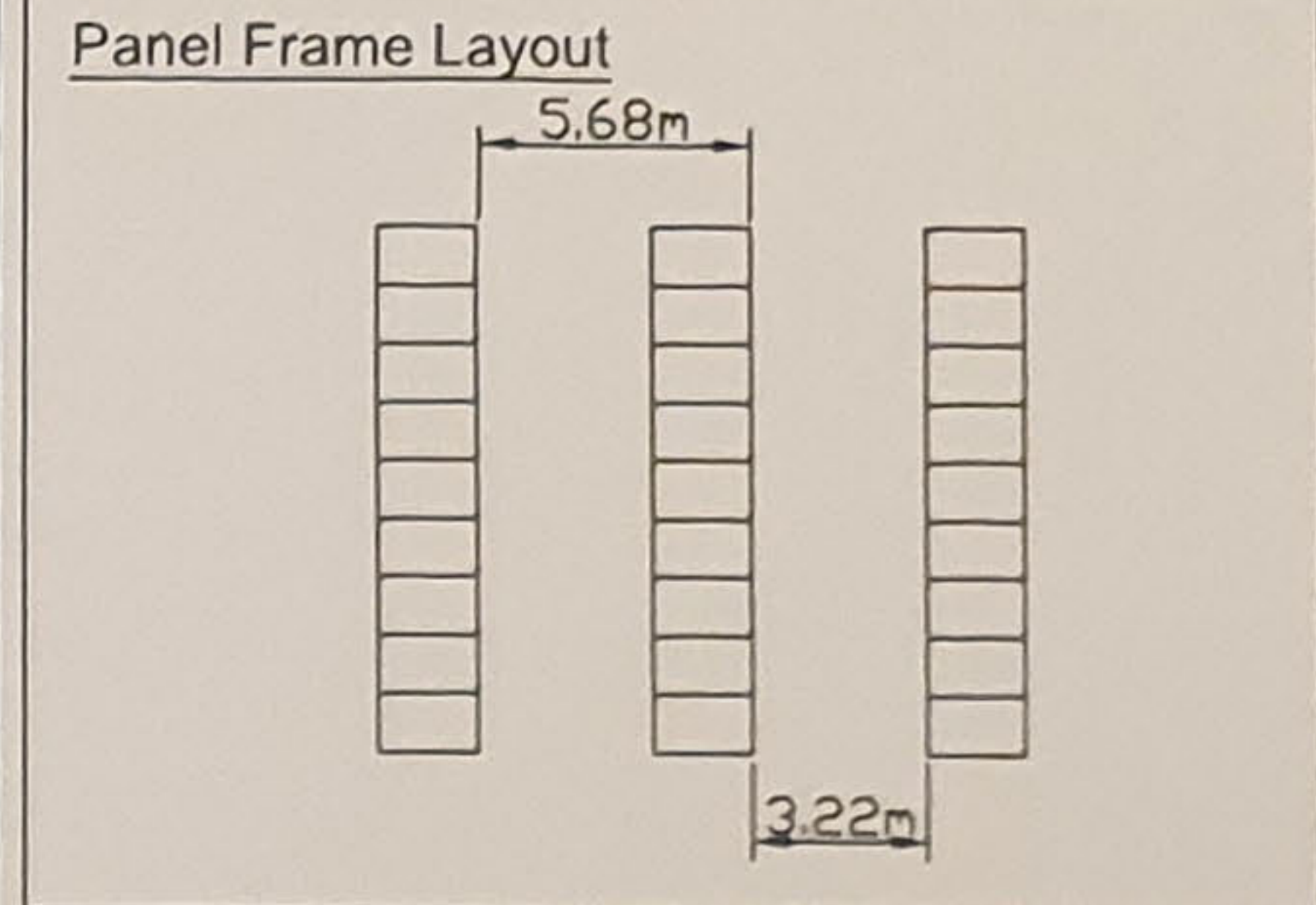
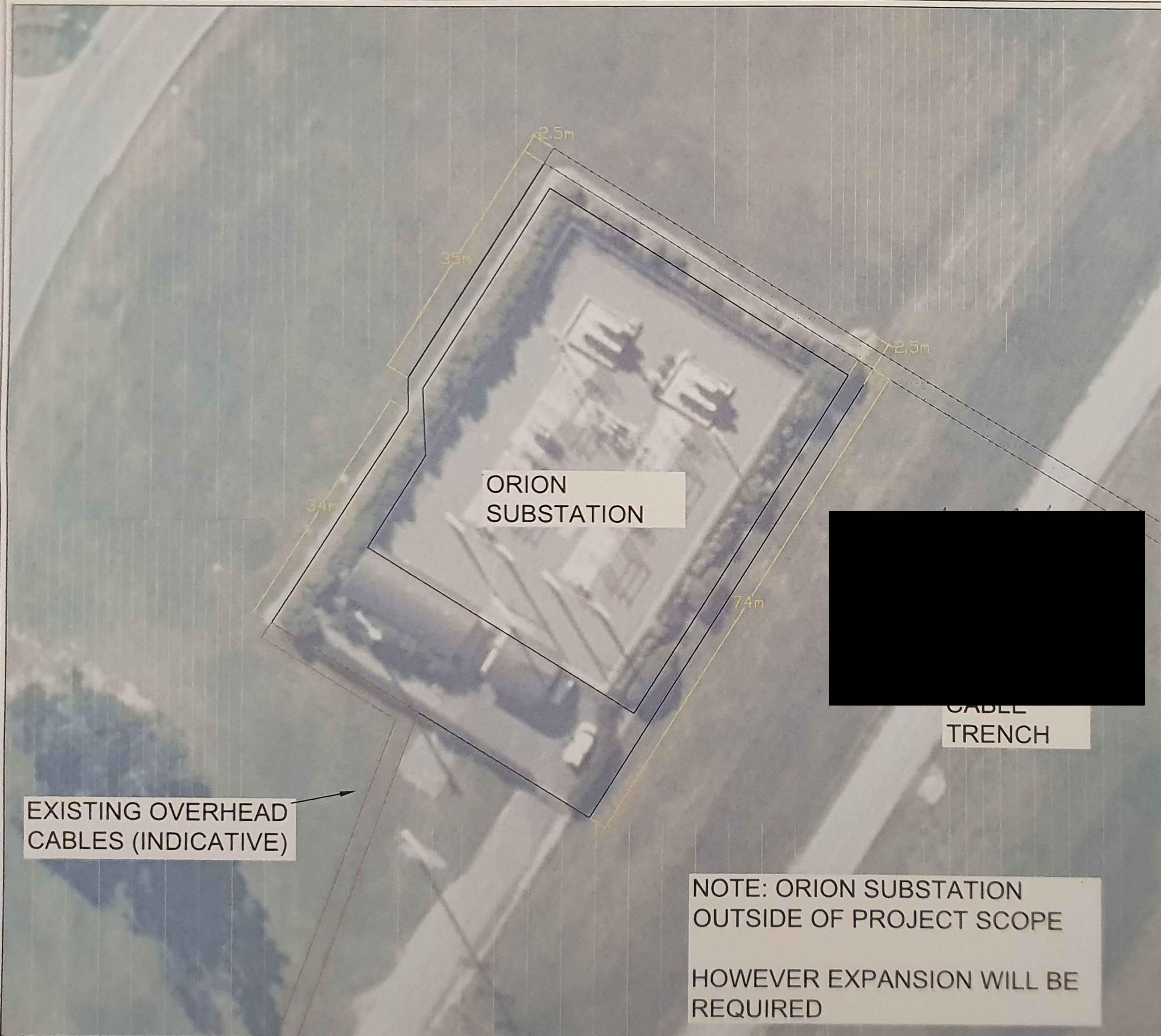


Title	CABLE ROUTE
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

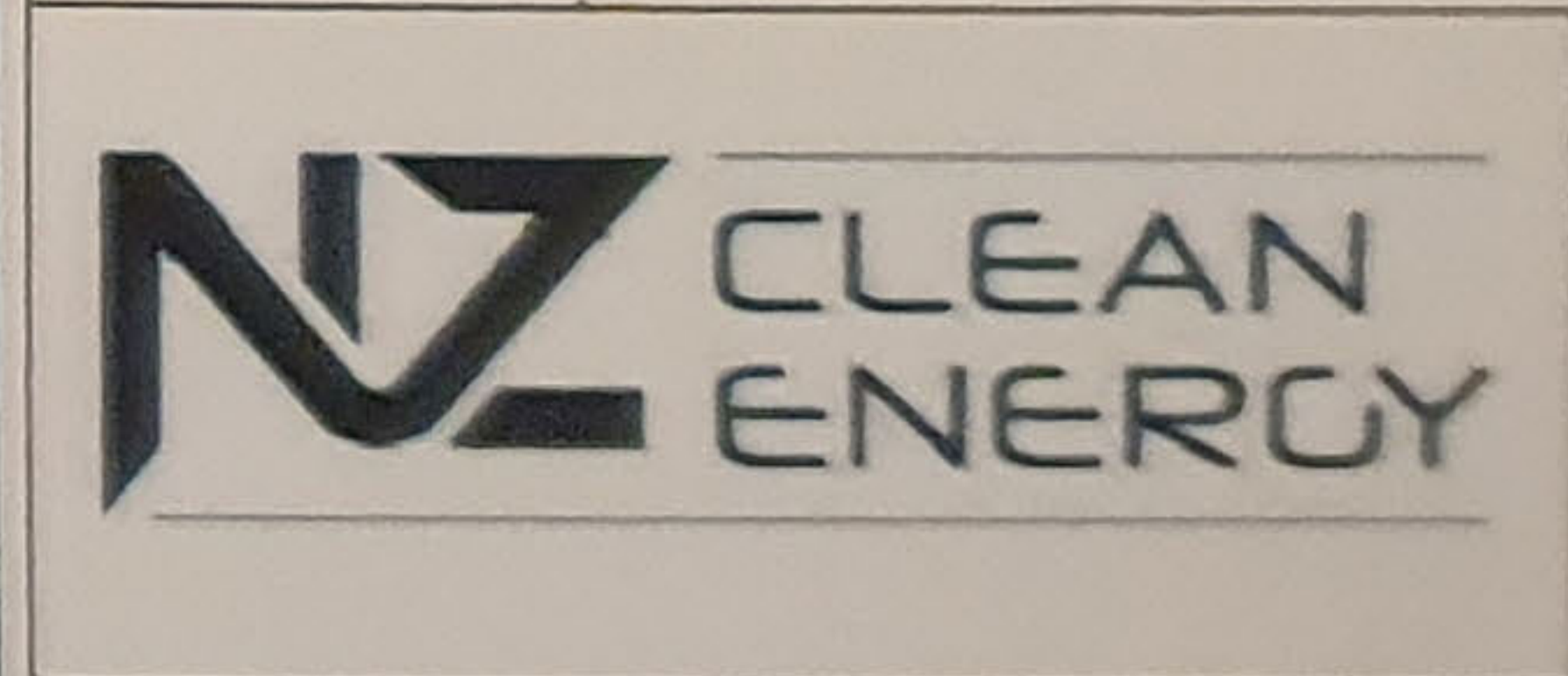


NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-002
Revision #: 10
Date: 19/08/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

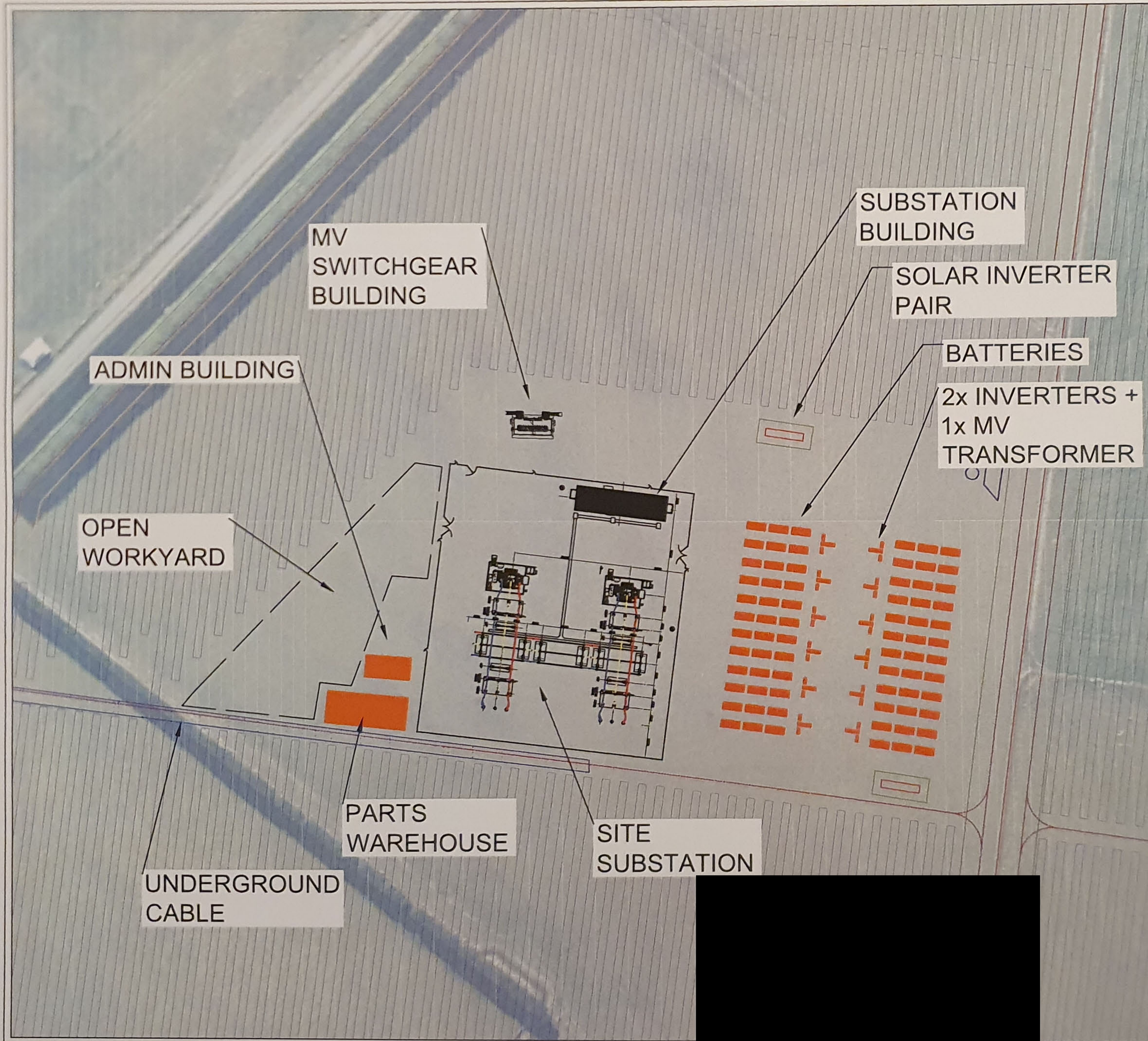


Title	Orion Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

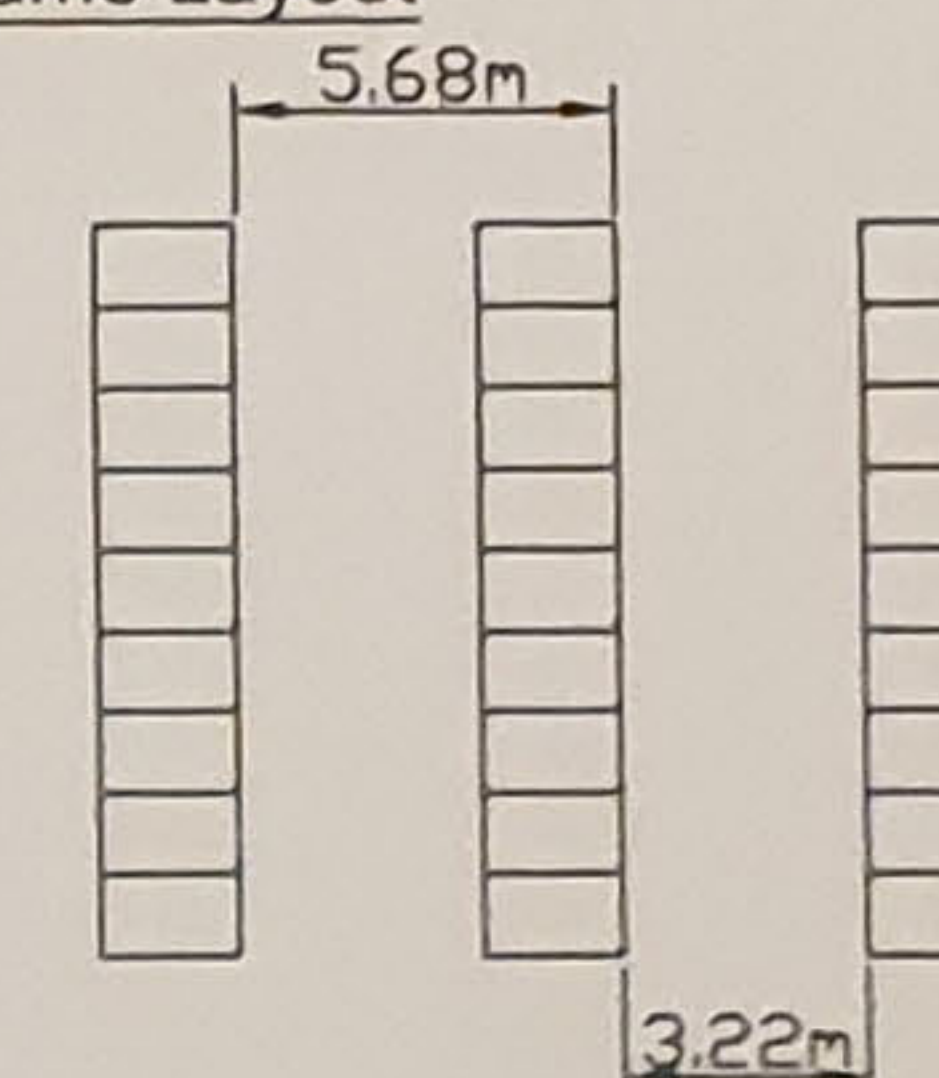


NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-003
Revision #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



Panel Frame Layout



Title	BESS & SWITCHYARD
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

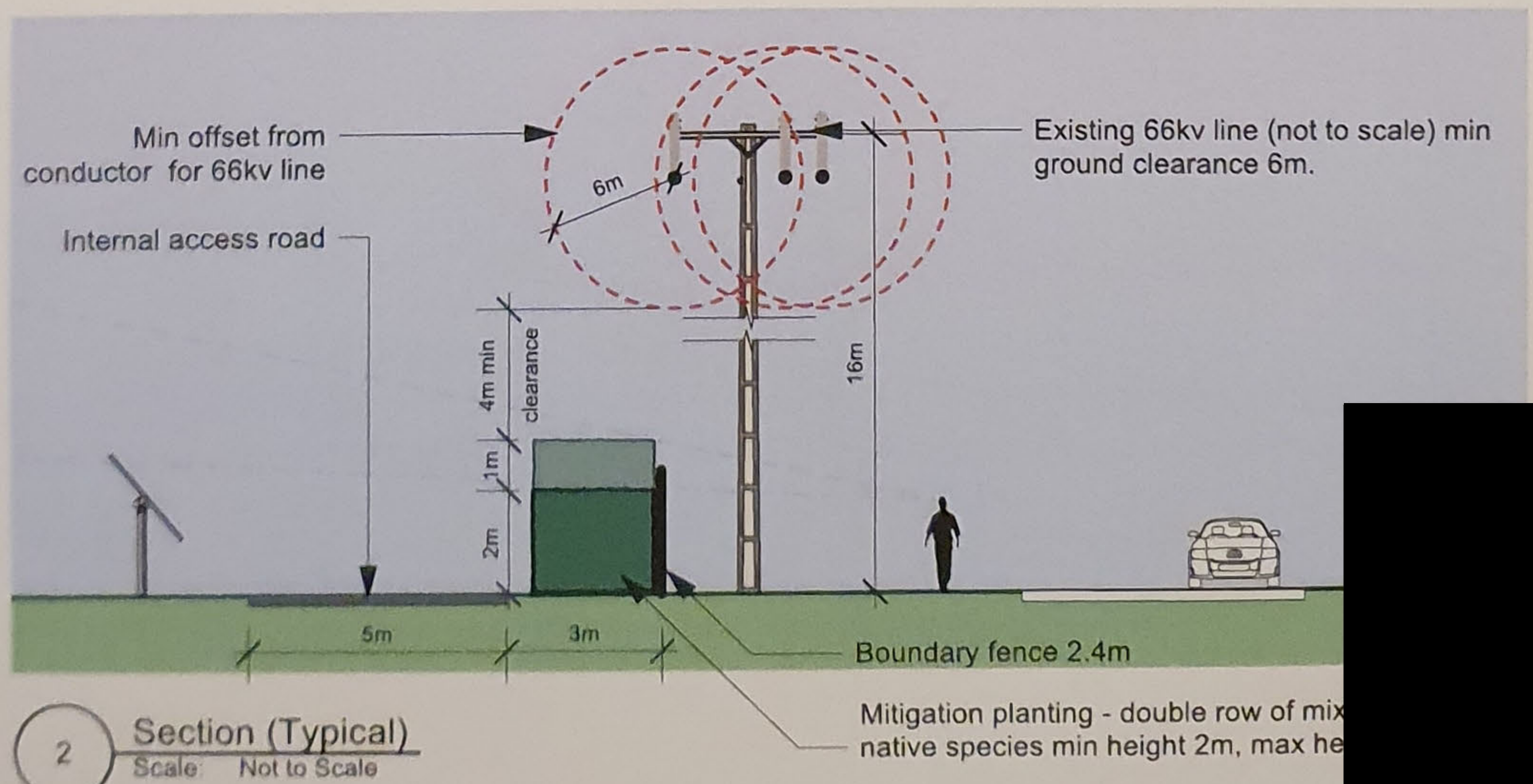


NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

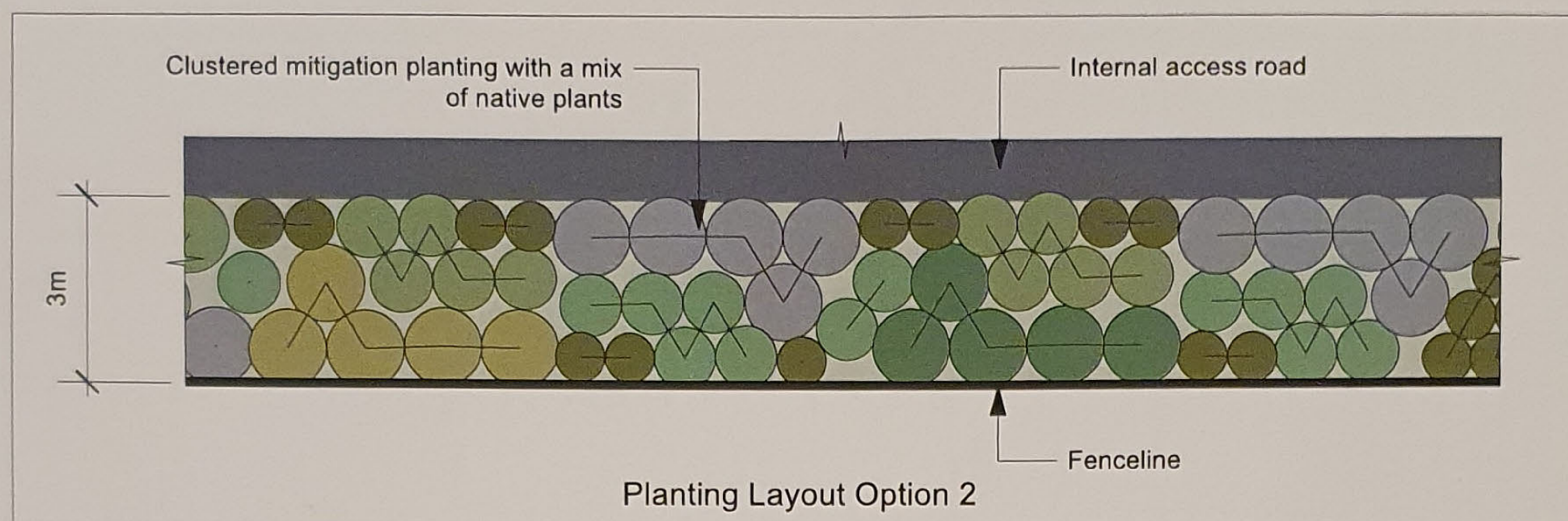
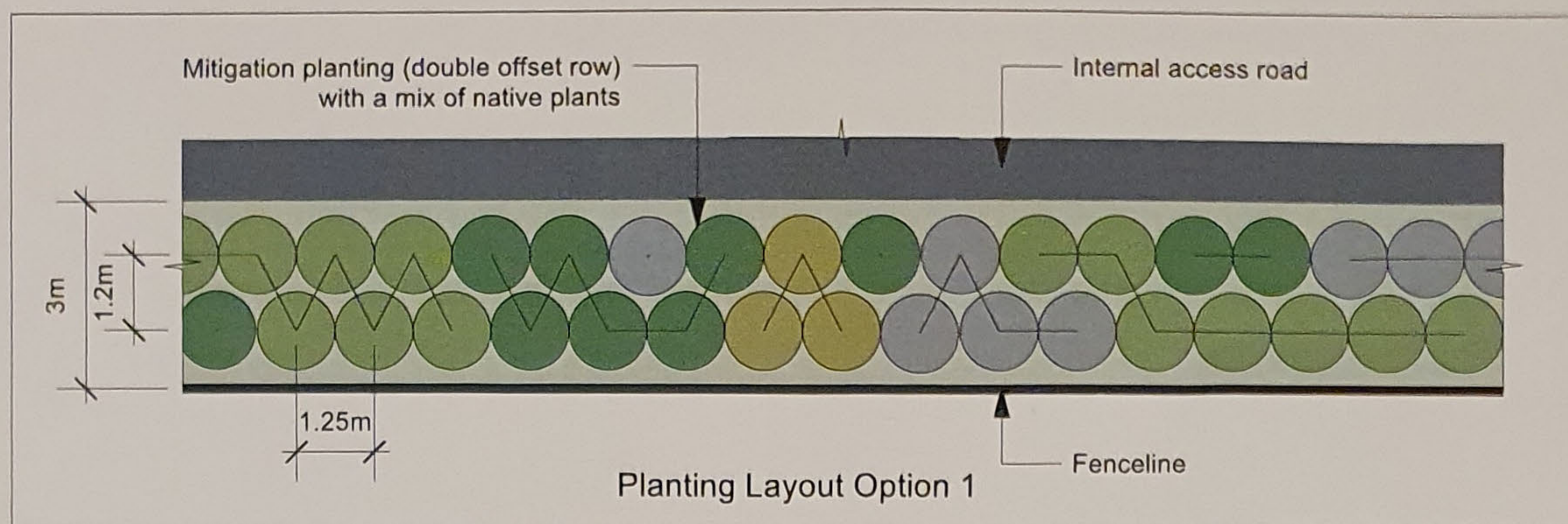
Drawing #: DAR-004
Revision #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



1 Mitigation Planting Plan
Scale: 1:15000



2 Section (Typical)
Scale: Not to Scale



Suggested Plant Species

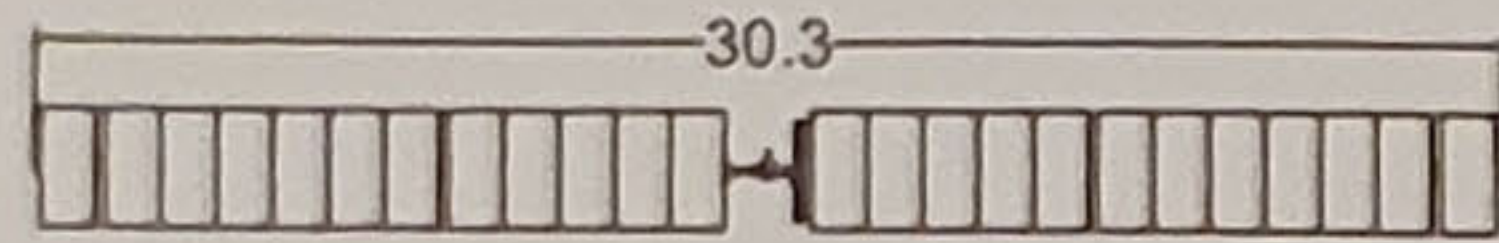
Botanical Name	Common Name	Mature size (ht x wth)	Yrs to 3m	Flammability 1	Min size at planting	Plant spacing
Exotic - Single species border						
<i>Pinus sp</i>	Pine	25m x 7m	4yr	x	20-30cm	2m
Native - Single species border						
<i>Griselinia littoralis</i>	Kapuka	6m x 2.5m	5yr	Low	20-30cm	1m
<i>Pittosporum tenuifolium</i>	Kohuhu	6m x 3m	3-4yr	Moderate	20-30cm	1m
Native - Mixed species border						
** <i>Coprosma cotoneaster</i>	Korokio	3m x 2m	5-7yr	x	20-30cm	1
<i>Coprosma crassifolia</i>	Mingimingi	4m x 2m	3yr	Low	20-30cm	1m
<i>Coprosma propinqua</i>	Mingimingi	5m x 2.5m	5yr	Low	20-30cm	1m
<i>Coprosma robusta</i>	Karamu	5m x 4m	5yr	Low	20-30cm	1m
** <i>Coprosma rugosa</i>	Needle-leaved Mountain Coprosma	3m x 2m	5yr	x	20-30cm	1m
<i>Coprosma virescens</i>	Mikimiki	5m x 3m	5-7yr	x	20-30cm	1m
<i>Corokia cotoneaster</i>	Korokio	3m x 2m	7yr	x	20-30cm	1m
<i>Griselinia littoralis</i>	Kapuka/Broadleaf	6m x 2.5m	5yr	Low	20-30cm	1m
<i>Griselinia littoralis</i> Canterbury	Kapuka/ Broadleaf	4m x 2m	5yr	Low	20-30cm	1m
<i>*Myrsine australis</i>	Red matipo	5m x 3m		Low	20-30cm	1m
<i>Lophomyrtus obcordata</i>	Rohutu	5m x 2.5m	5yr	x	20-30cm	1m
<i>Olearia avicenniifolia</i>	Mountain akeake	4m x 3m	5+	x	20-30cm	1m
<i>Olearia lineata 'Dartonii'</i>	Twiggy Tree Daisy	4m x 3m	5yr	x		
<i>Olearia paniculata</i>	Akiraho/Golden Ake Ake	4m x 2.5m	5yr	x		
<i>Olearia solandri</i>	Coastal Shrub Daisy	4m x 2m	5yr	x		
<i>*Pittosporum eugenioides</i>	Tarata/lemonwood	9m x 3m	5yr	Low/mod		
<i>Pittosporum ralphii</i>	Ralph's karo	5m x 3m	5yr	x		
<i>Pittosporum tenuifolium</i>	Kohuhu	6m x 3m	3-4yr	Moderate		
<i>Veronica salicifolia</i>	Koromiko	4m x 2m	5yr	Low/mod		

x = flammability not listed in the Fire Emergency New Zealand Low Flammability Plant List (unknown)

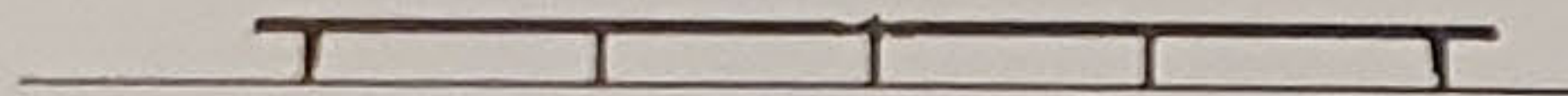
* Tips can be frosted when young but will recover after 2 yrs.

** Presumed this plant will have the same flammability as the other plants of the same species listed

1 STRING (24 MODULES) PLAN: 0 DEG



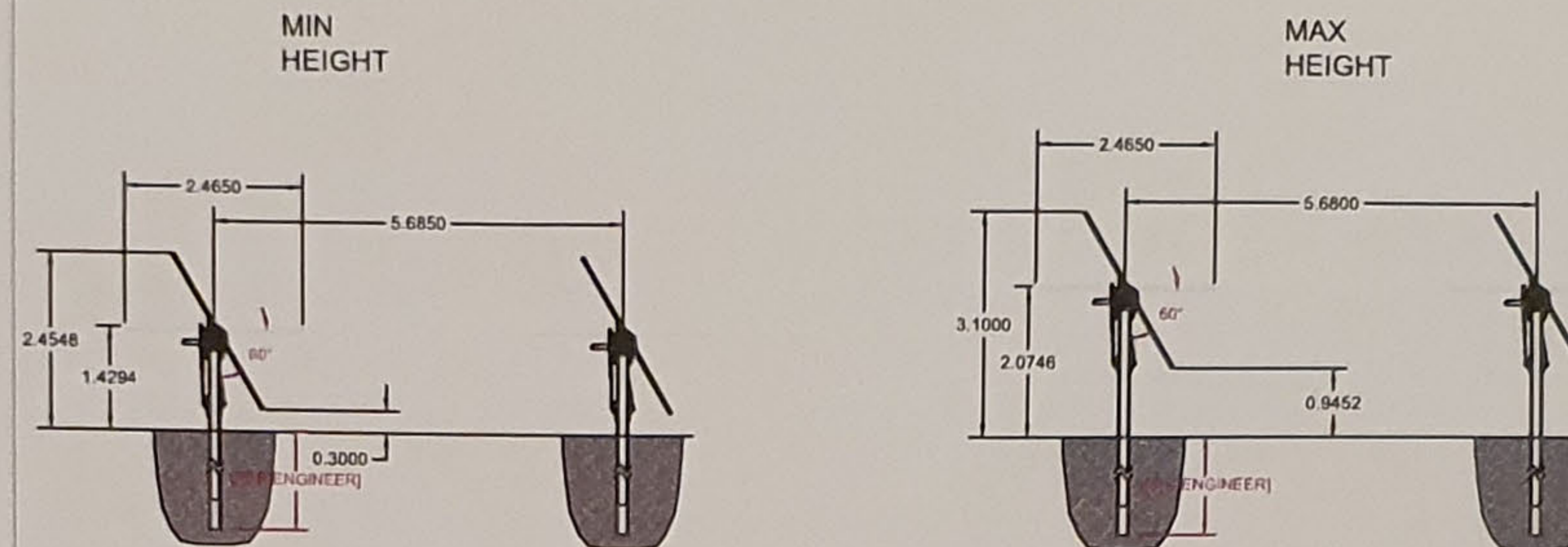
1 STRING (24 MODULES) ELEVATION: 0 DEG



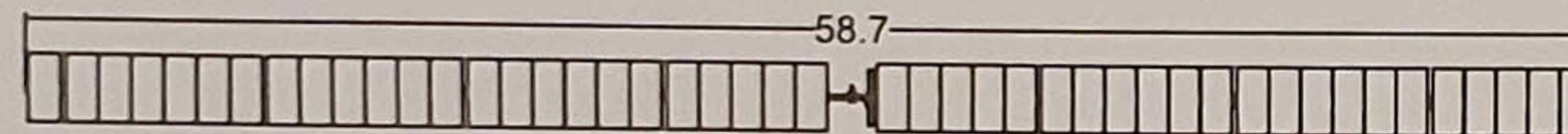
1 STRING (24 MODULES) ELEVATION: 60 DEG



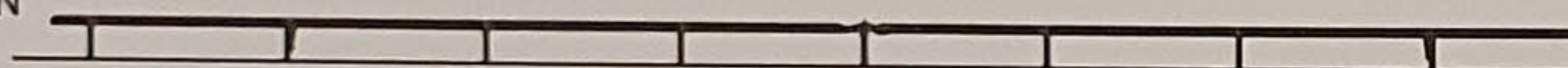
HEIGHT VARIATION BASED ON GROUND CONDITIONS



2 STRINGS (48 MODULES) PLAN



2 STRINGS (48 MODULES) ELEVATION



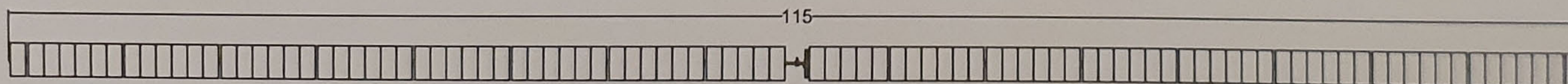
3 STRINGS (72 MODULES) PLAN



3 STRINGS (72 MODULES) ELEVATION



4 STRINGS (96 MODULES) PLAN



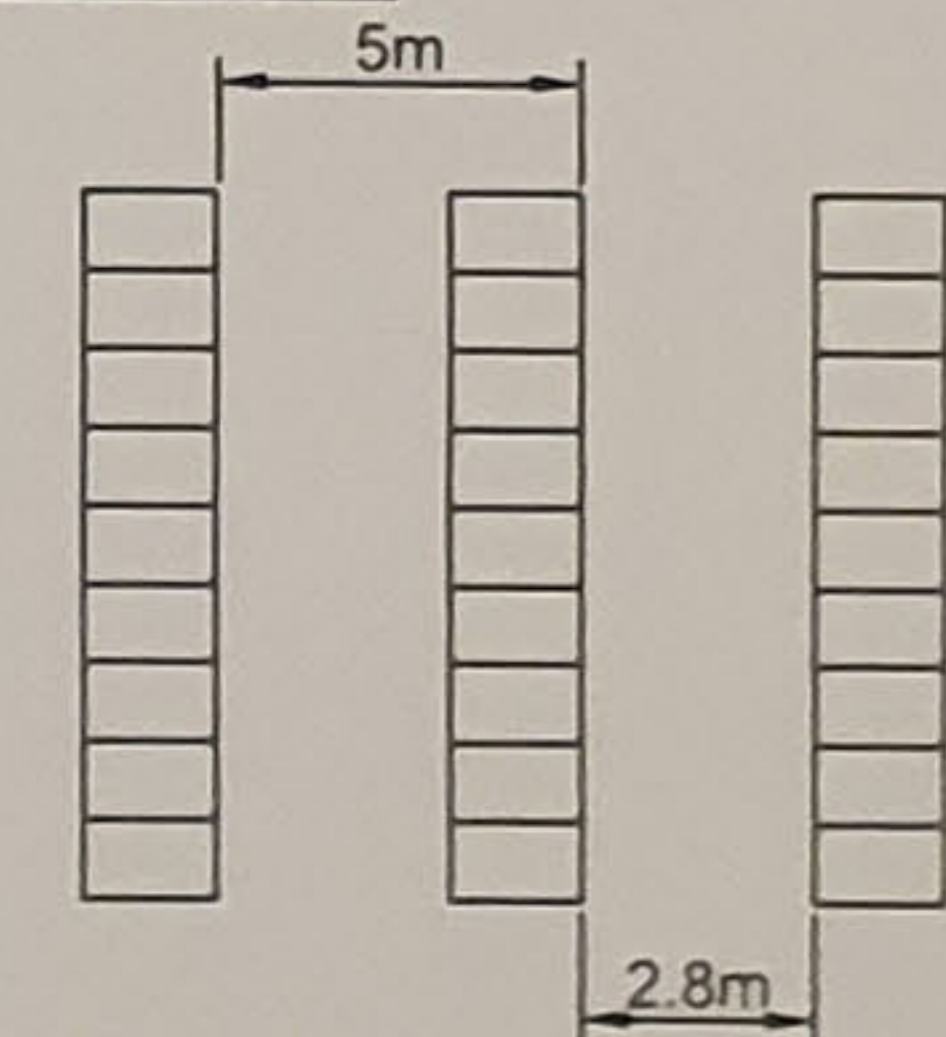
4 STRINGS (96 MODULES) ELEVATION



STRING LENGTH = 24 MODULES
DIMENSIONS IN METERS

MODULE / TRACKER CONFIGURATION
INDICATIVE ONLY

Panel Frame Layout

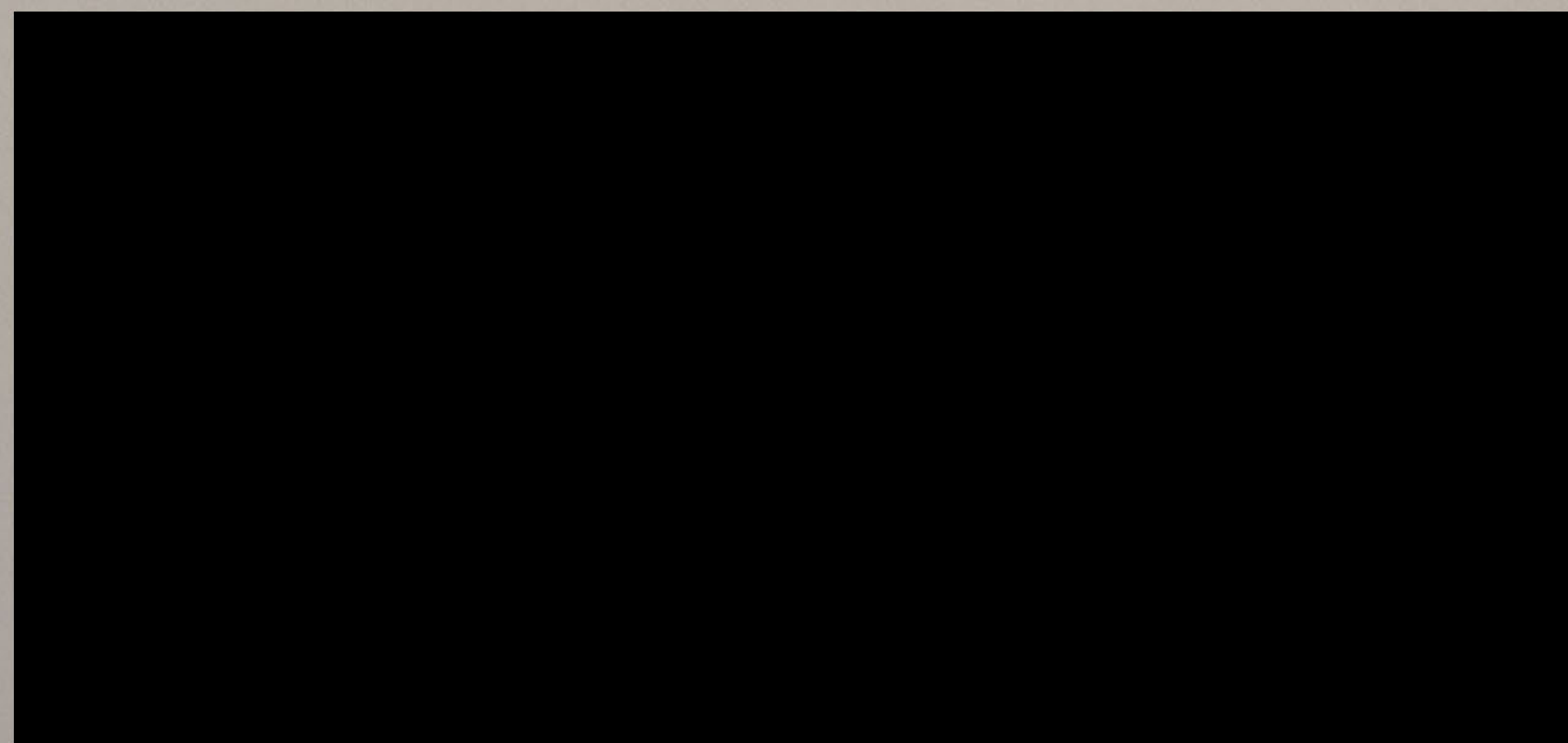
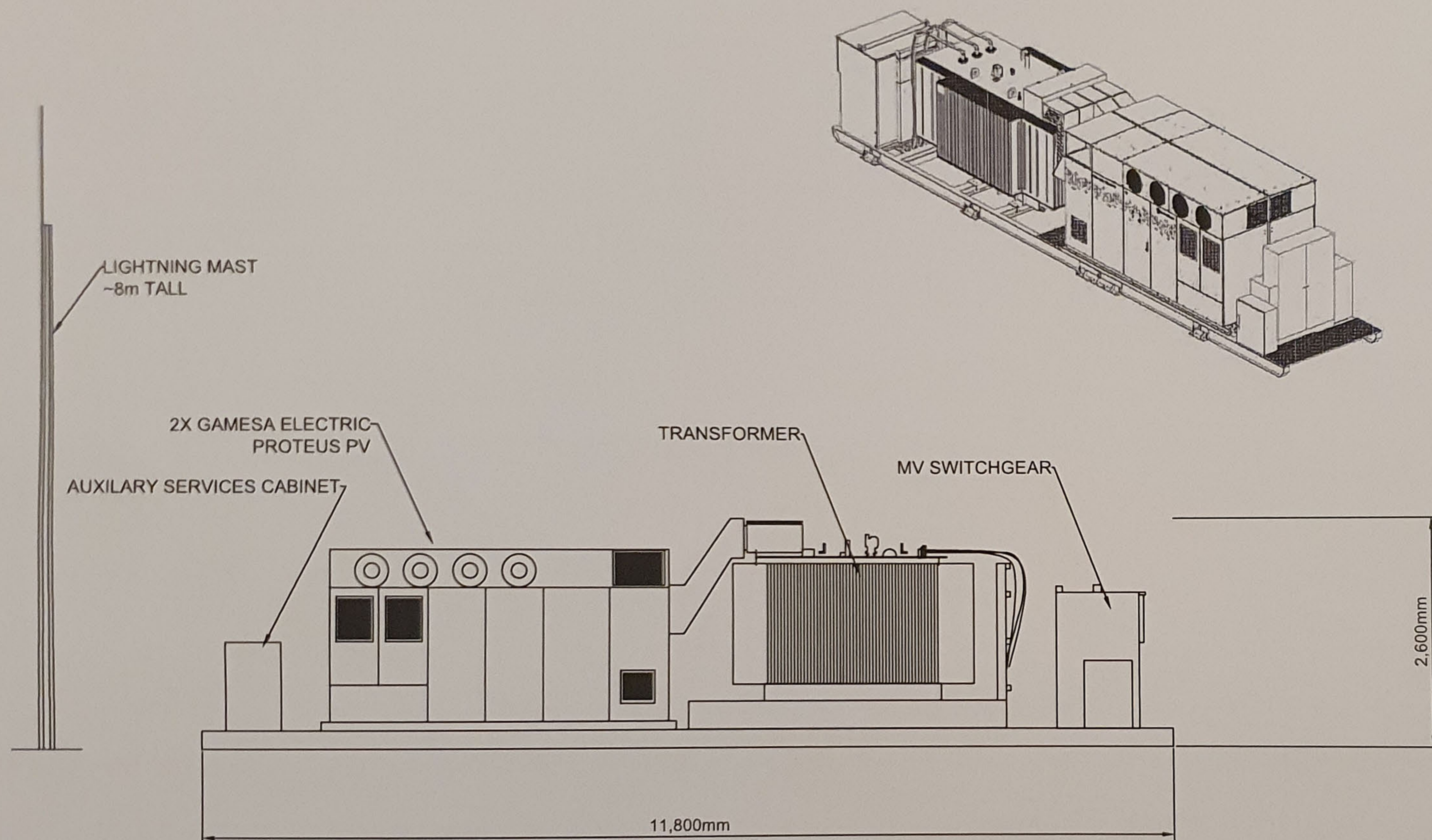


Title	TRACKER CONFIGURATION
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-101
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



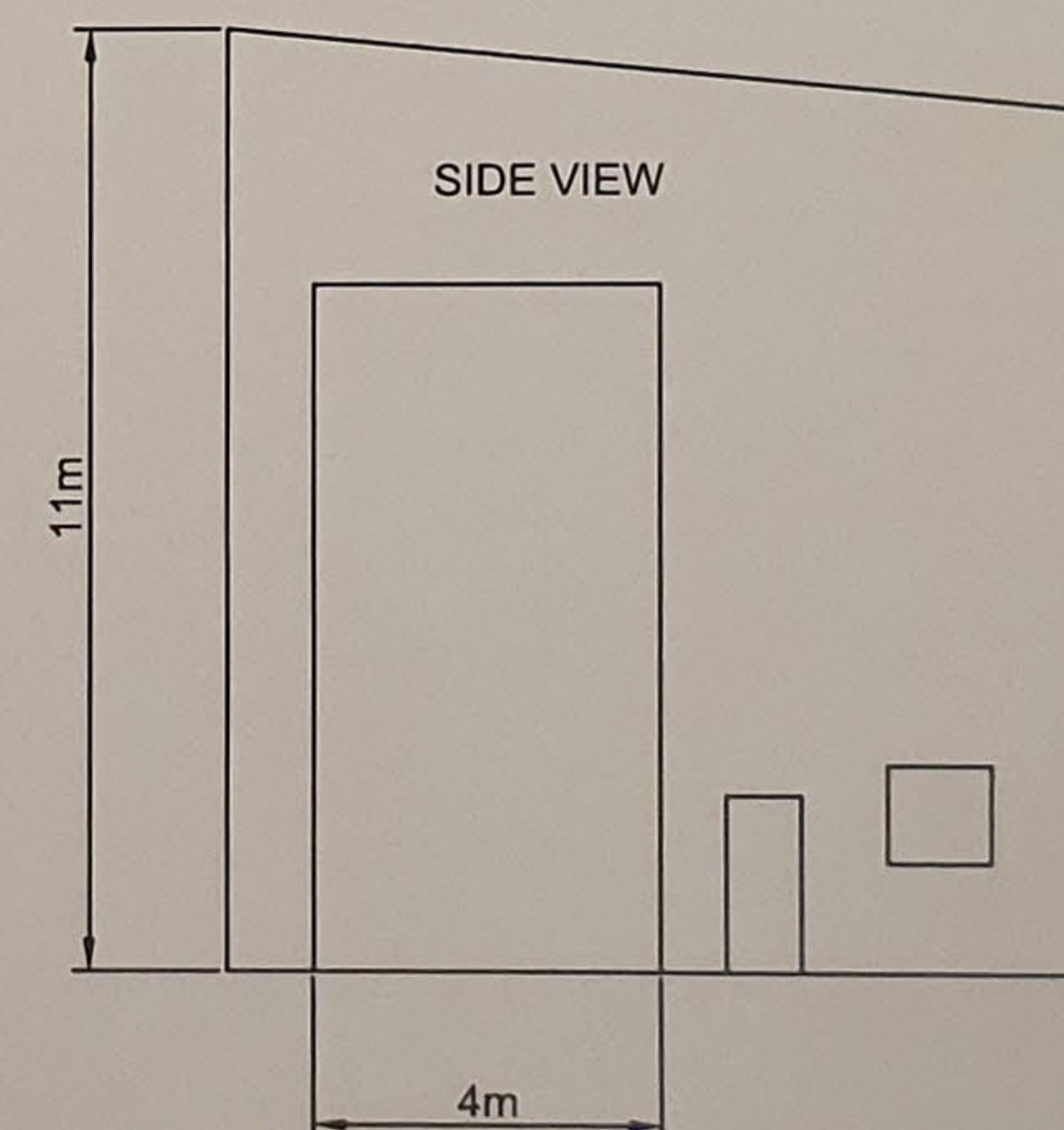
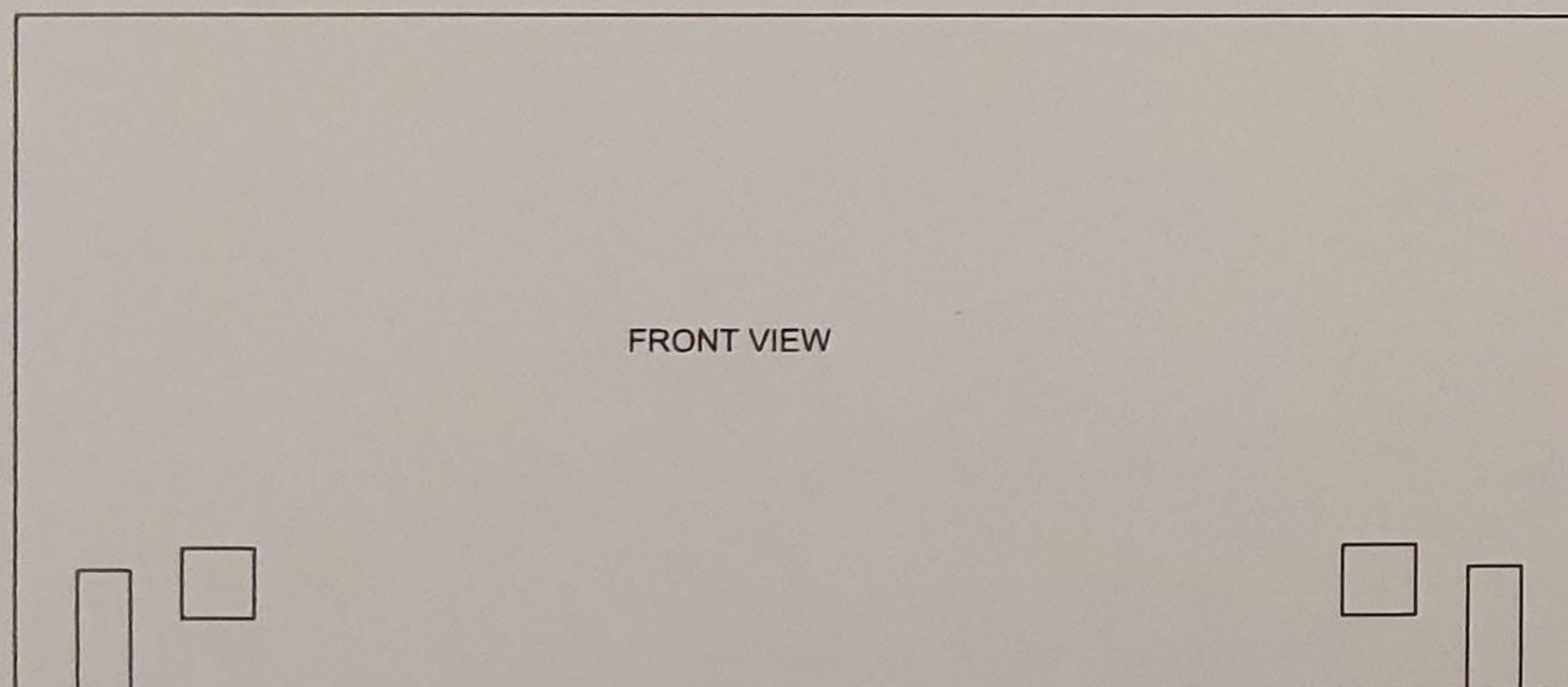
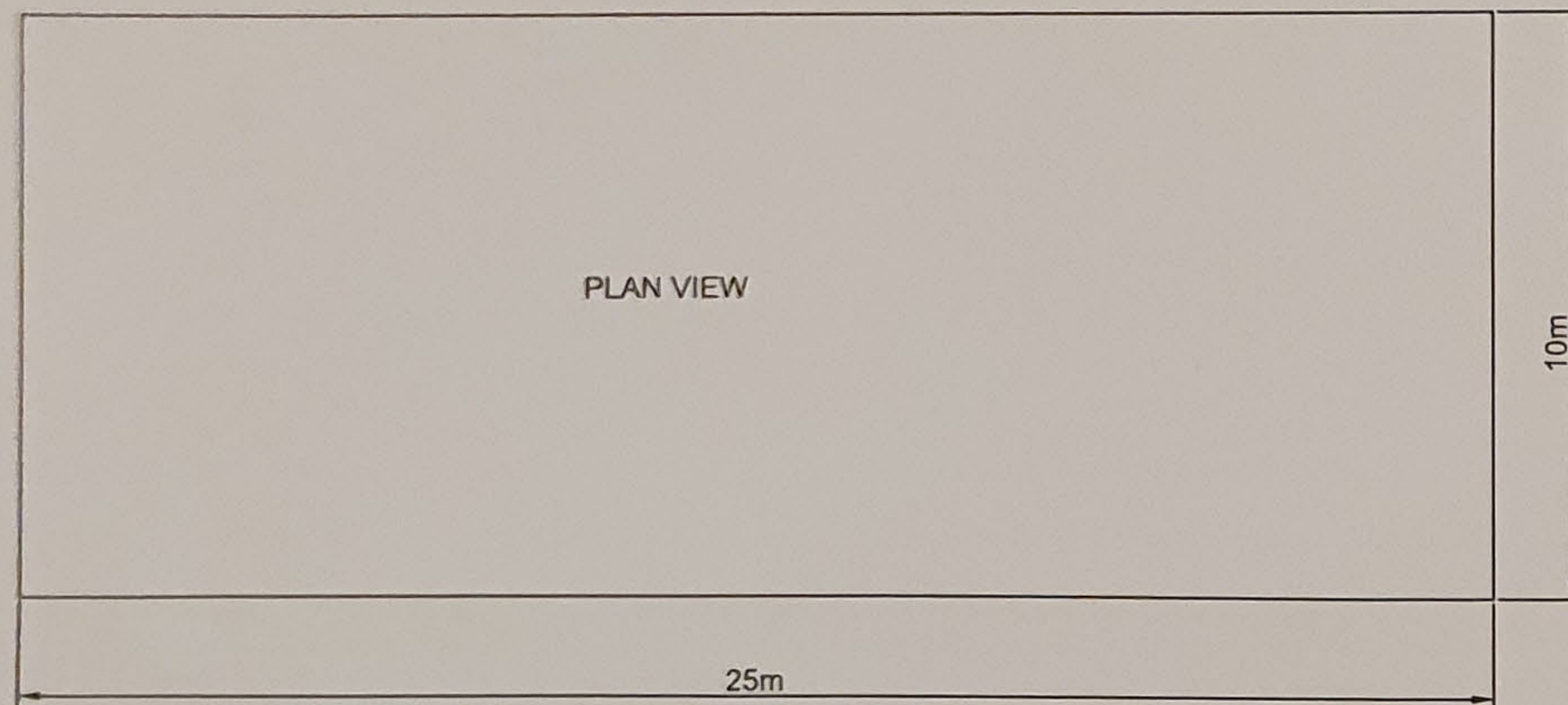
SUBSTATION

Title	INVERTER + MV TRANSFORMER
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



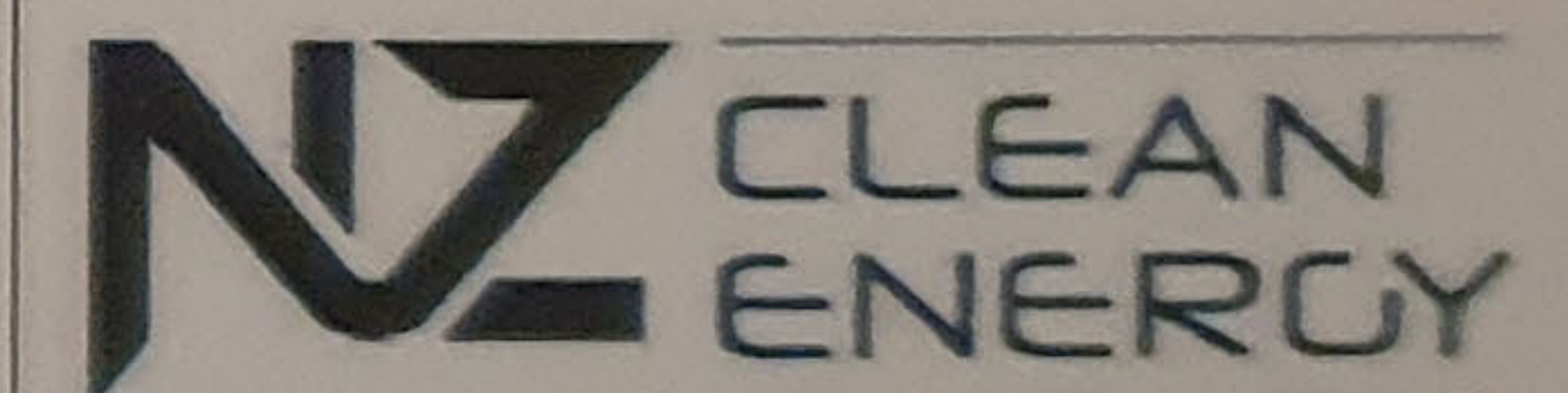
NZ Clean Energy
 Email: projects@nzcleanenergy.nz
 Web: www.nzcleanenergy.nz

Drawing #: DAR-102
 Revision #: 1
 Date: 28 MAY 2024
 Status: FOR CONSENT APPLICATION
 Design: SCOTT BURLING
 Drawn: SCOTT BURLING



TYPICAL PARTS WAREHOUSE
GENERIC 25M X 10M SHOWN

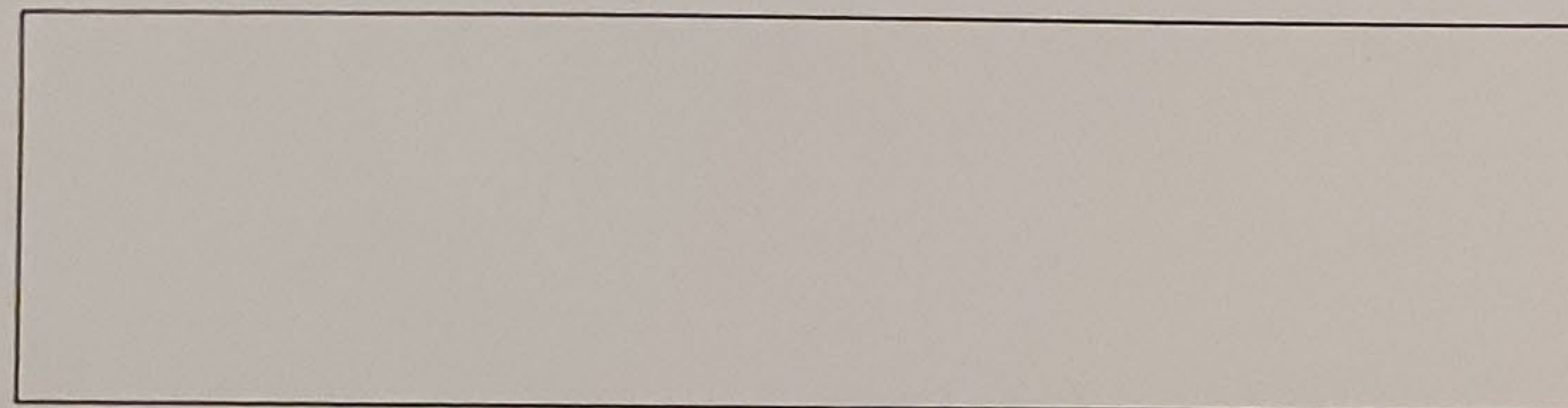
Title	WELFARE BUILDING / OFFICE
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



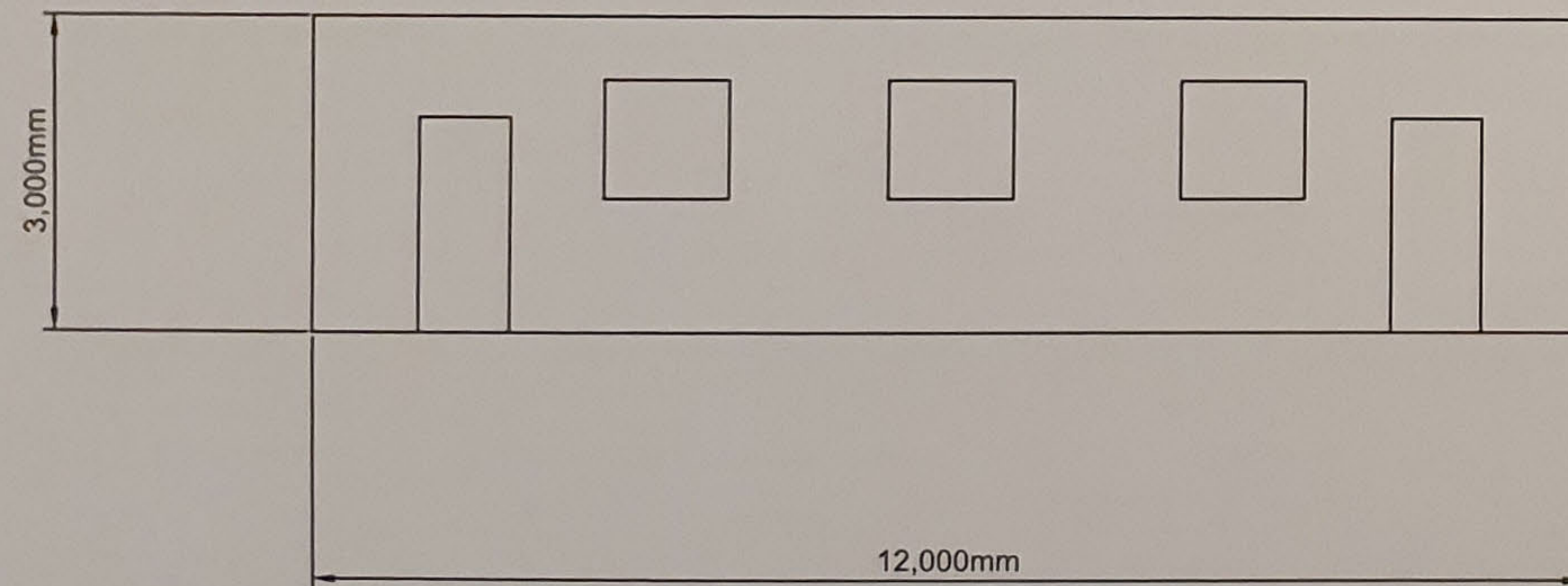
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-103
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

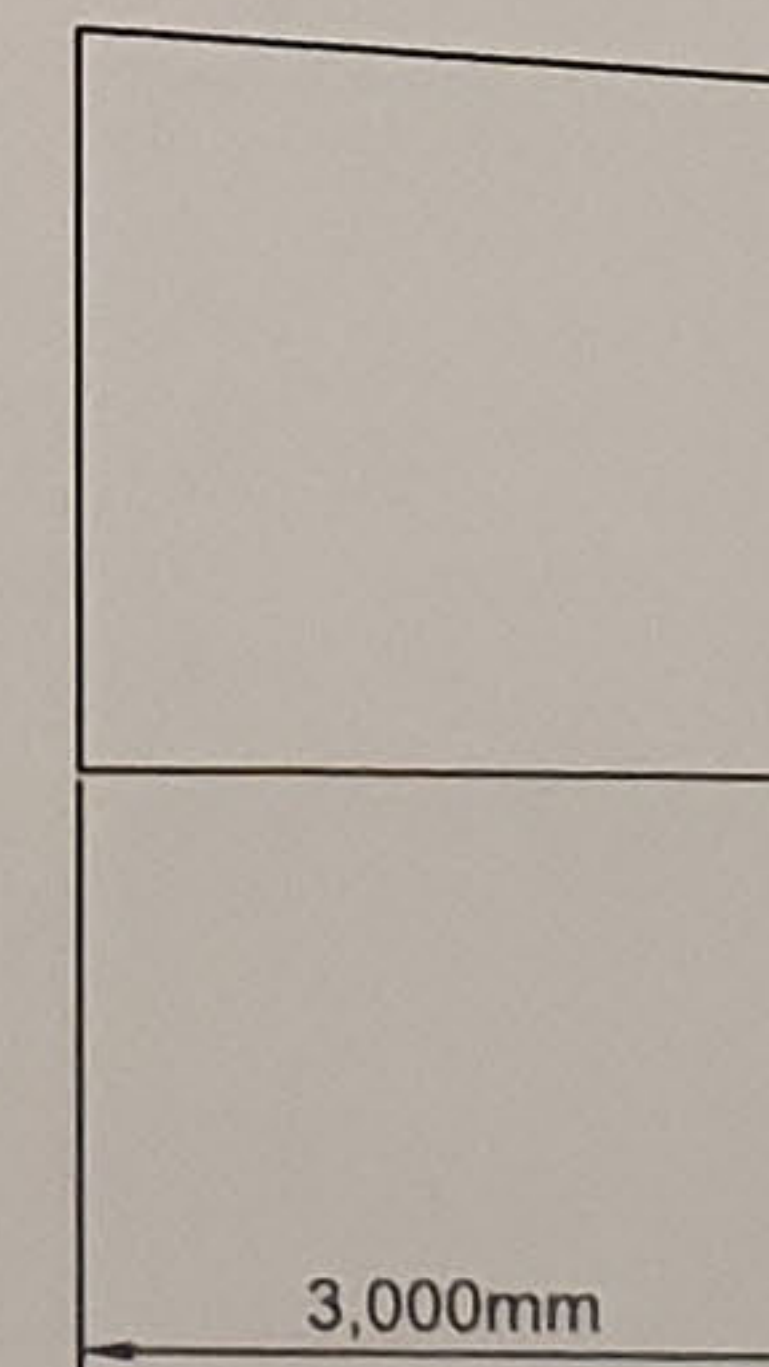
PLAN VIEW



FRONT VIEW



SIDE VIEW



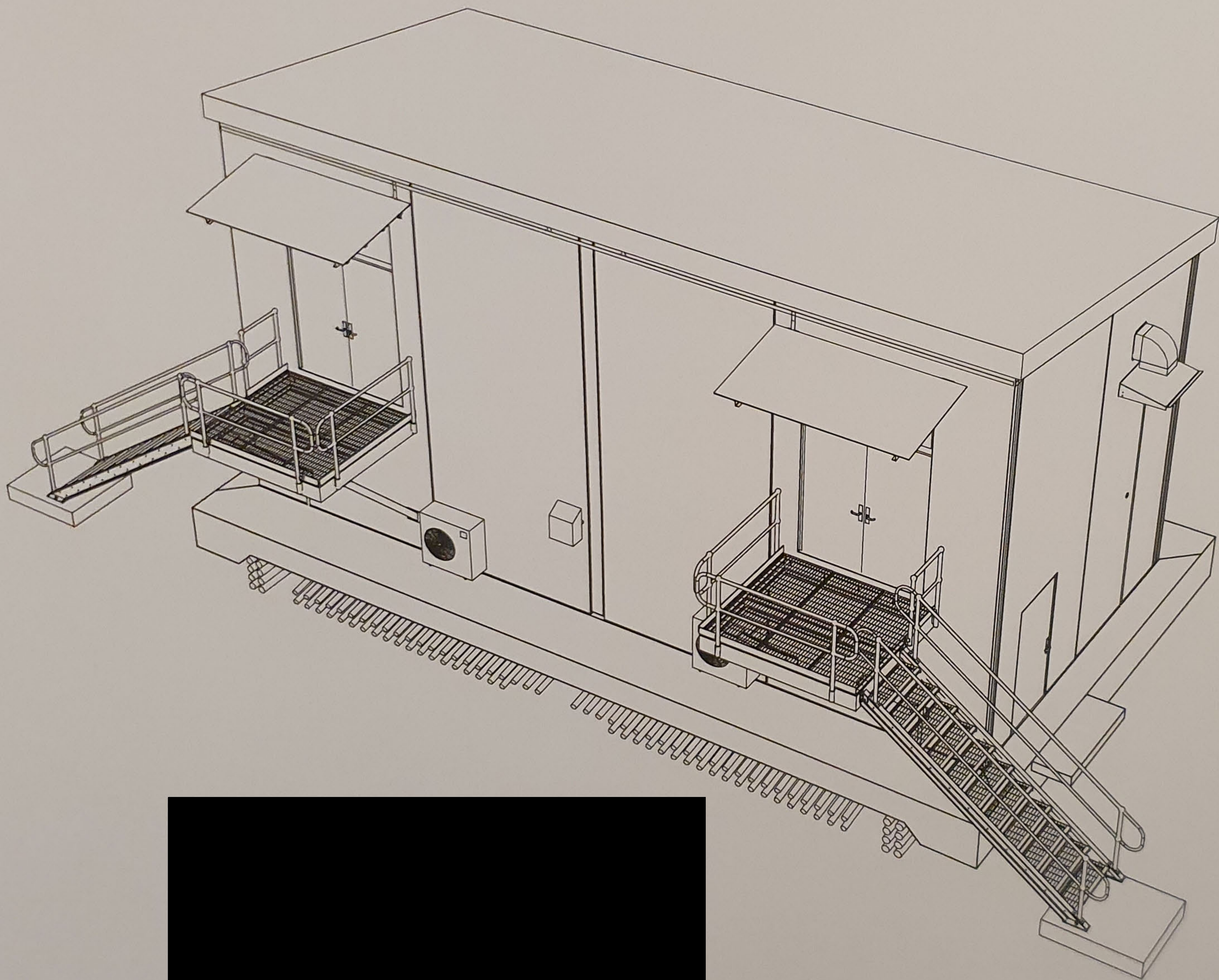
Title	WELFARE BUILDING / OFFICE
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-104
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

LOCAL WELFARE BUILDING / OFFICE.
ERIC 12M X 3.0M SHOWN



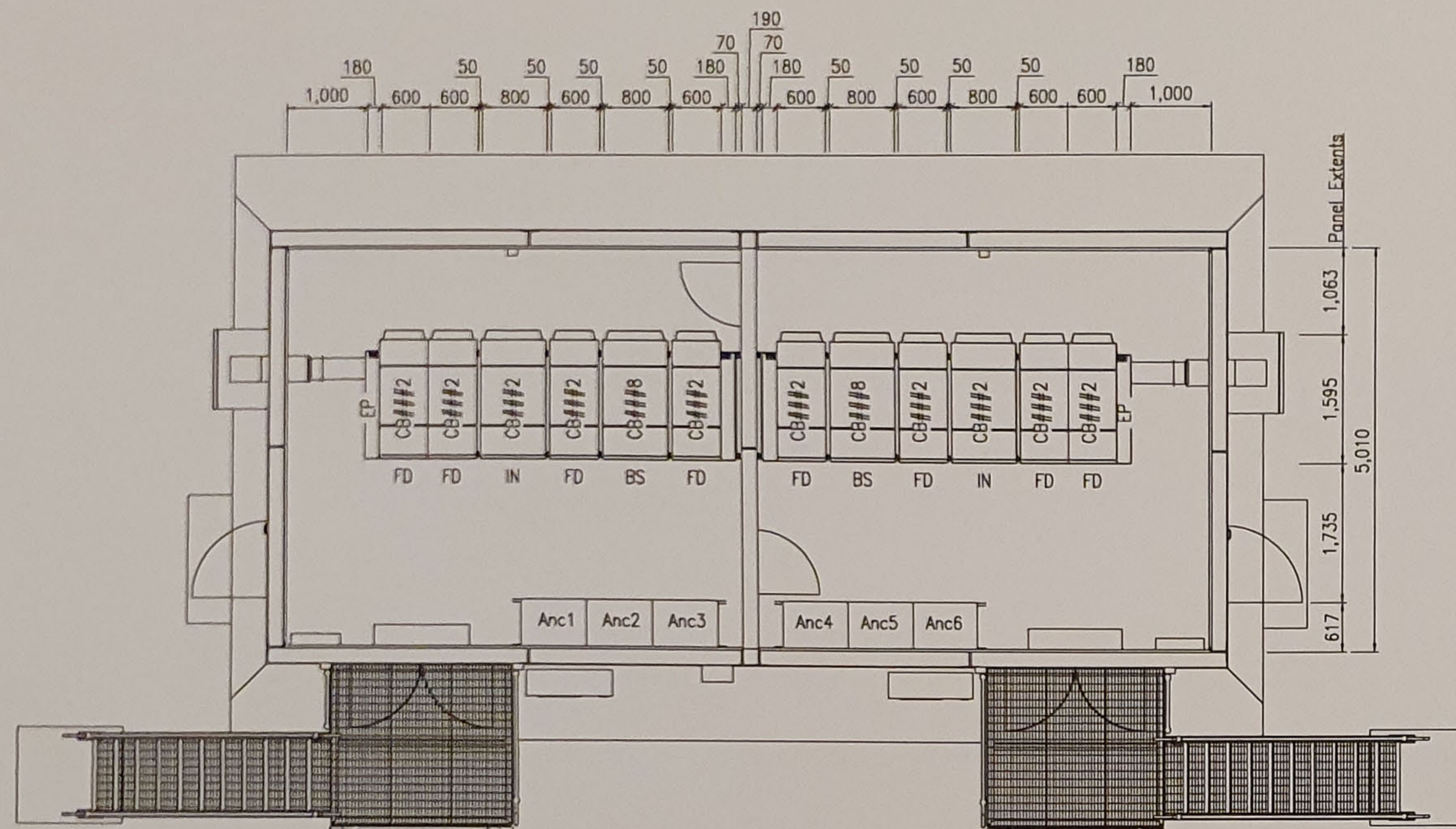
MV SWITCHBUILDING
TRANSPOWER EXAMPLE SHOWN

Title	MV Switchgear building (1 of 2)
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand

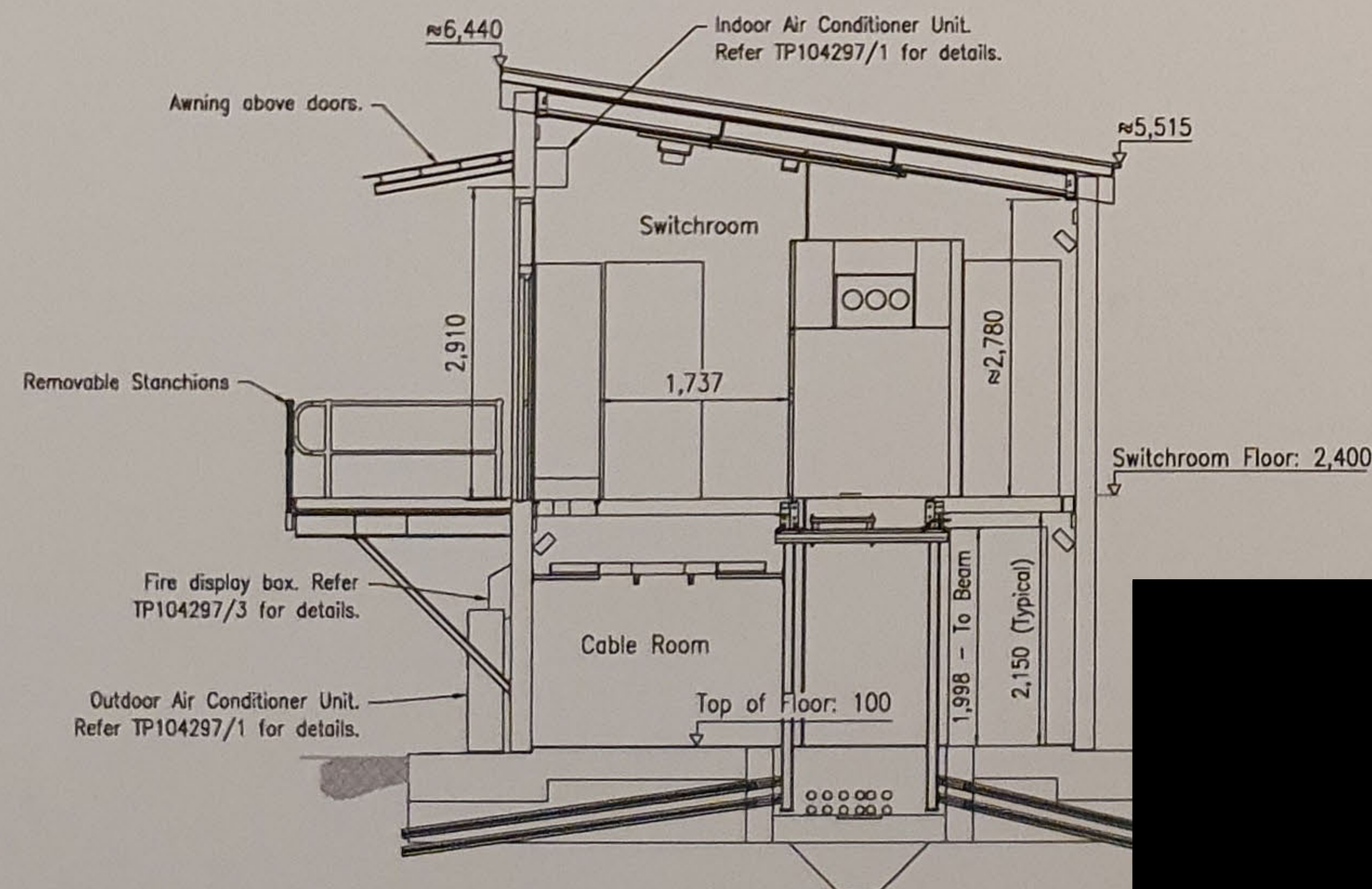


NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-105
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



Plan



Typical Section

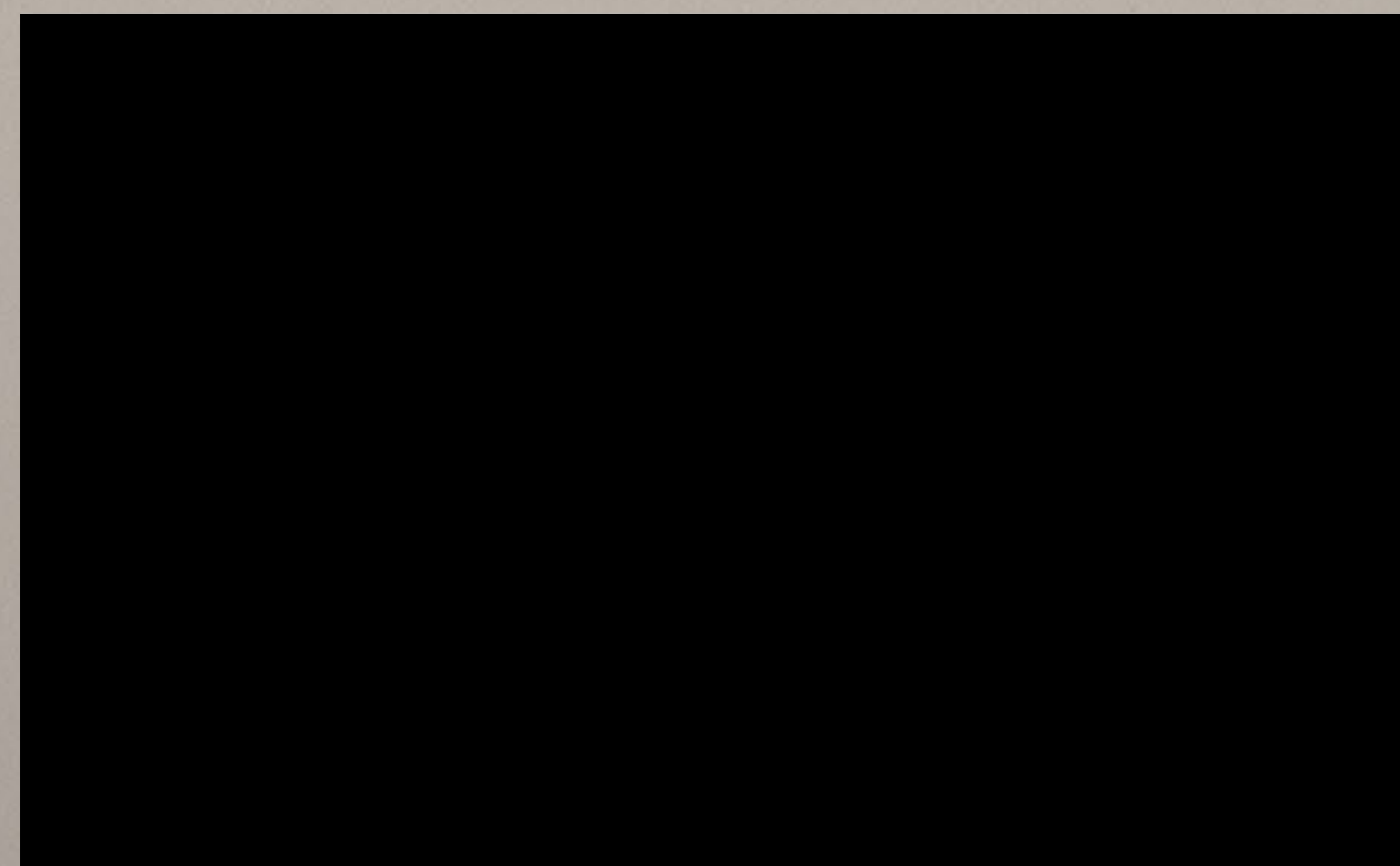
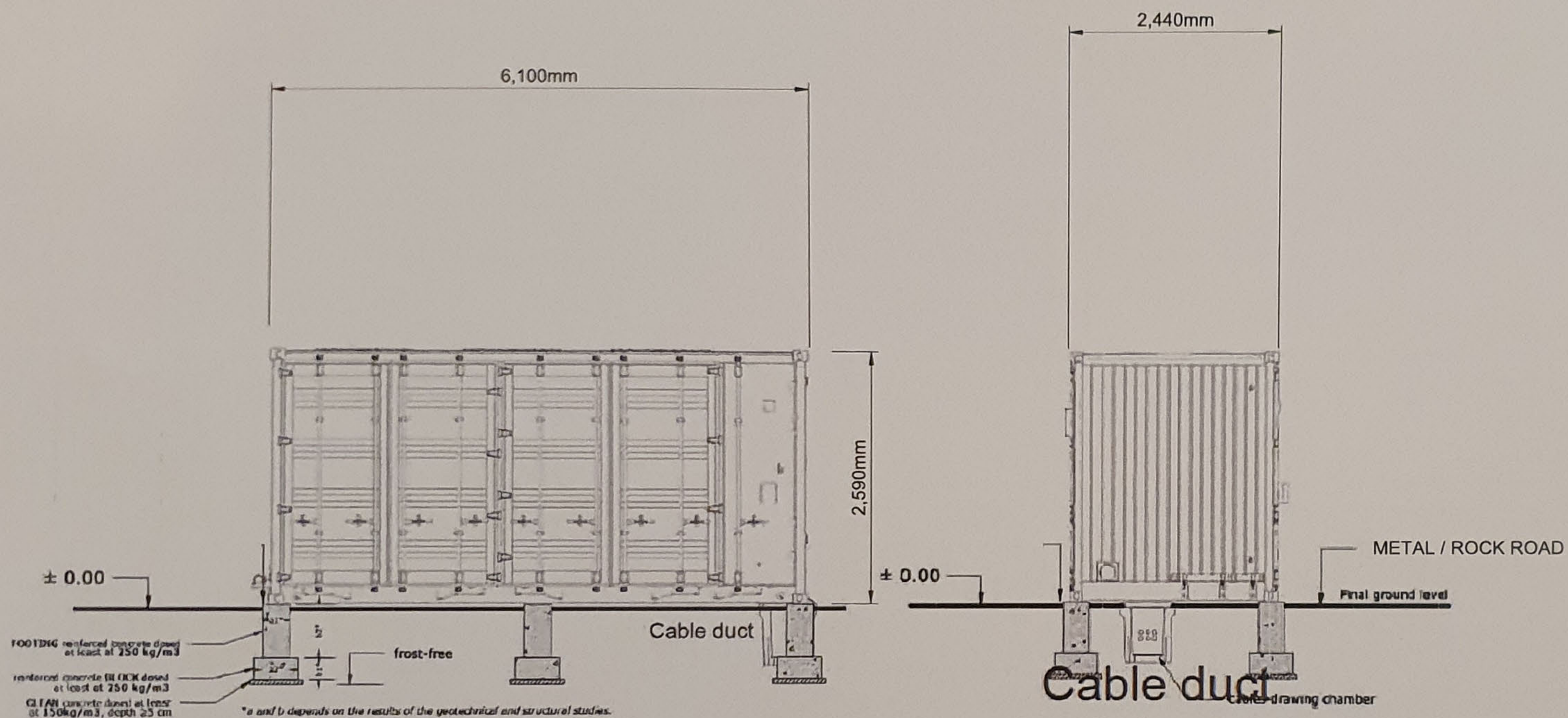
NOTE: DIMENSIONS IN MM

Title	MV Switchgear building (2 of 2)
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-106
Revision #: 1
Date: 28 APRIL 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



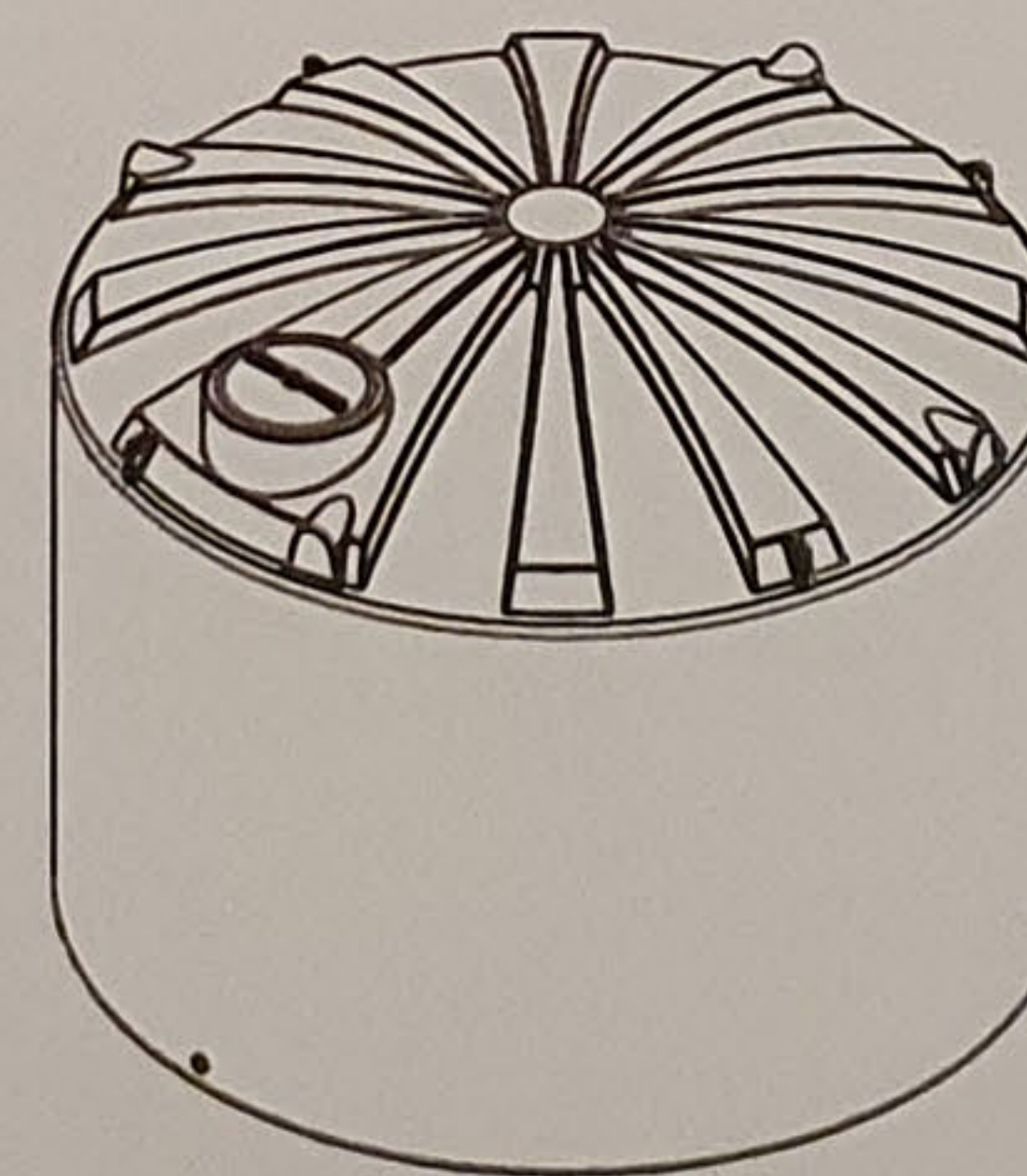
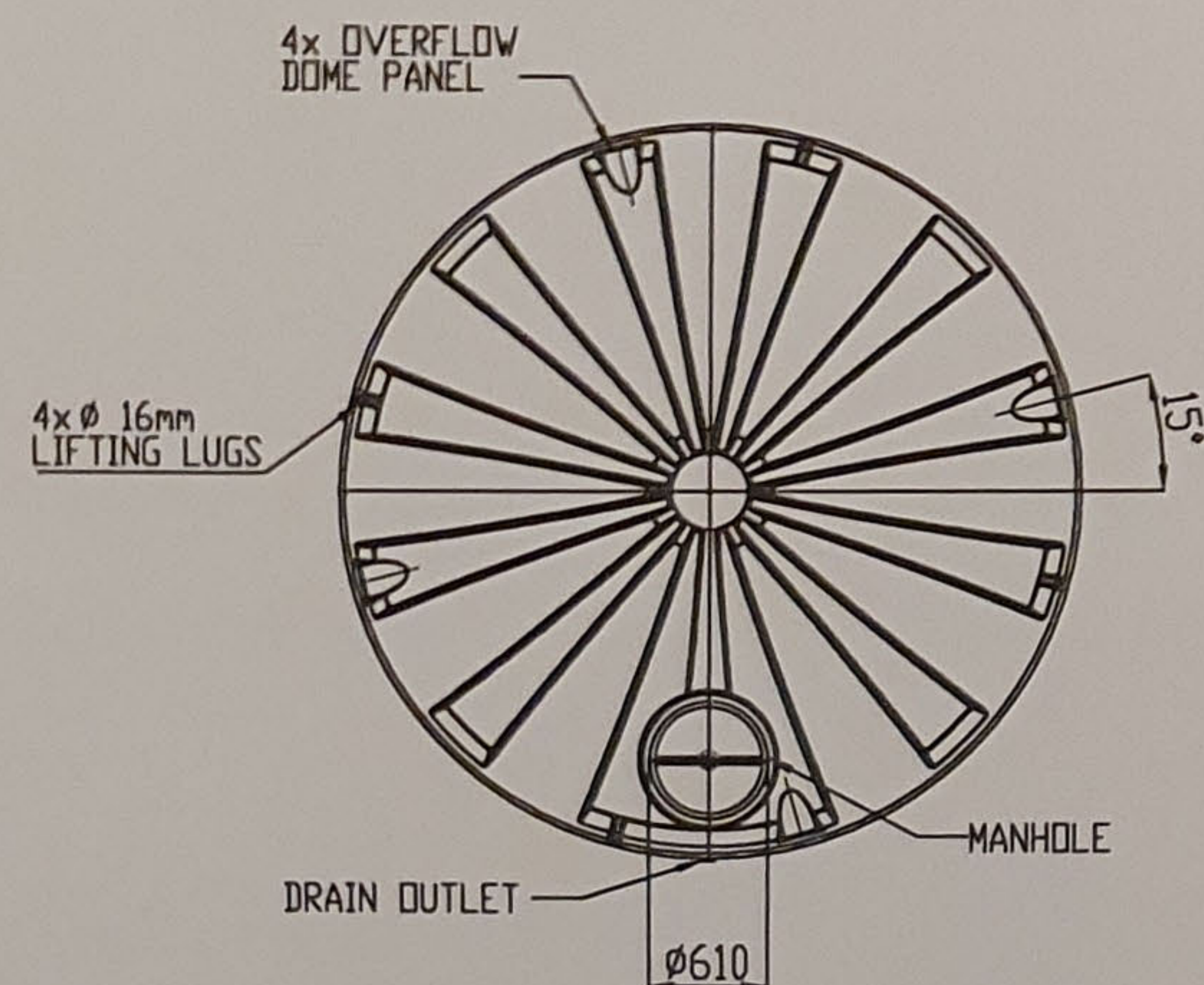
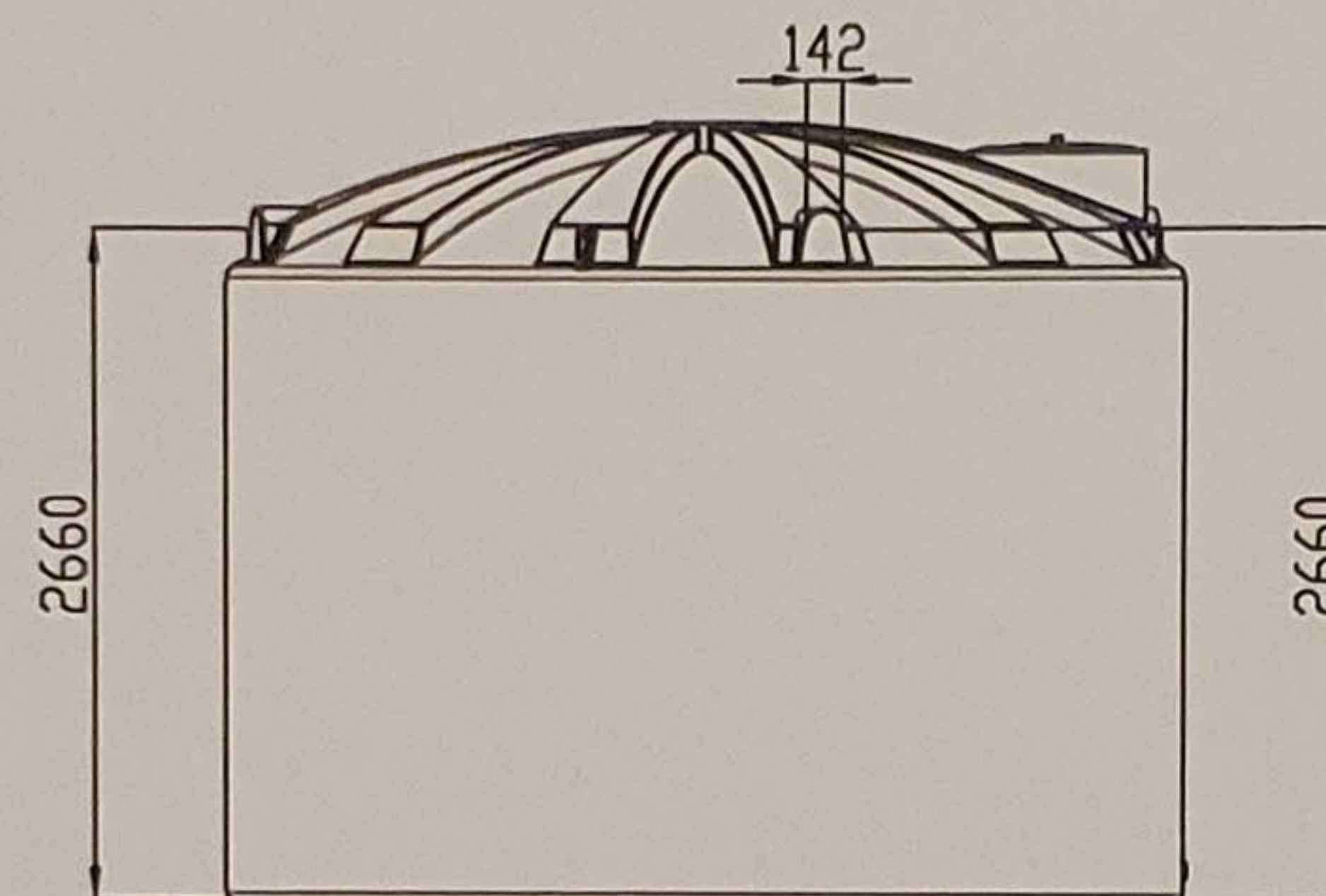
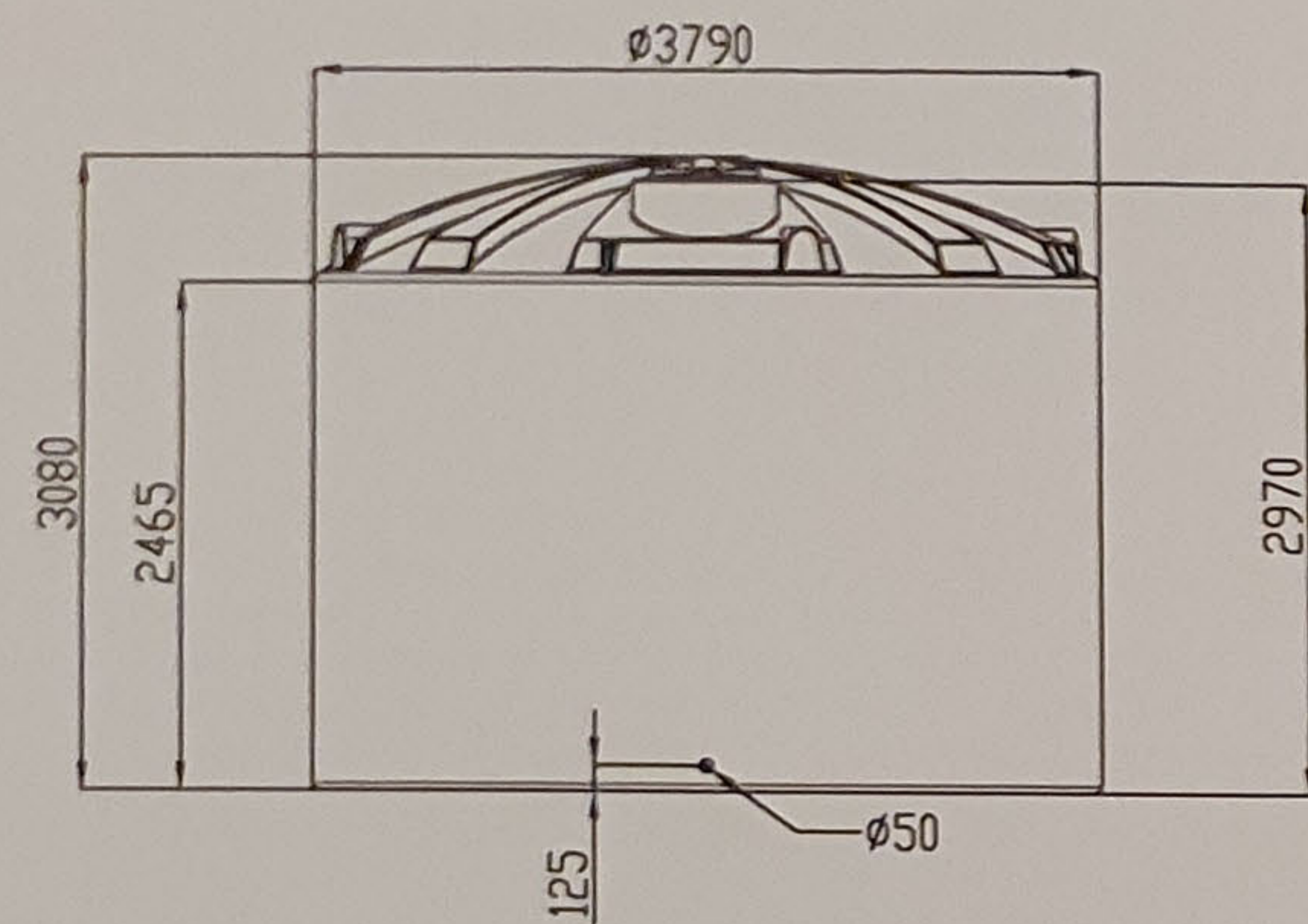
TYPICAL BESS UNIT
SAFT INTENSUM SHIFT SHOWN

Title	BESS (Typical)
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



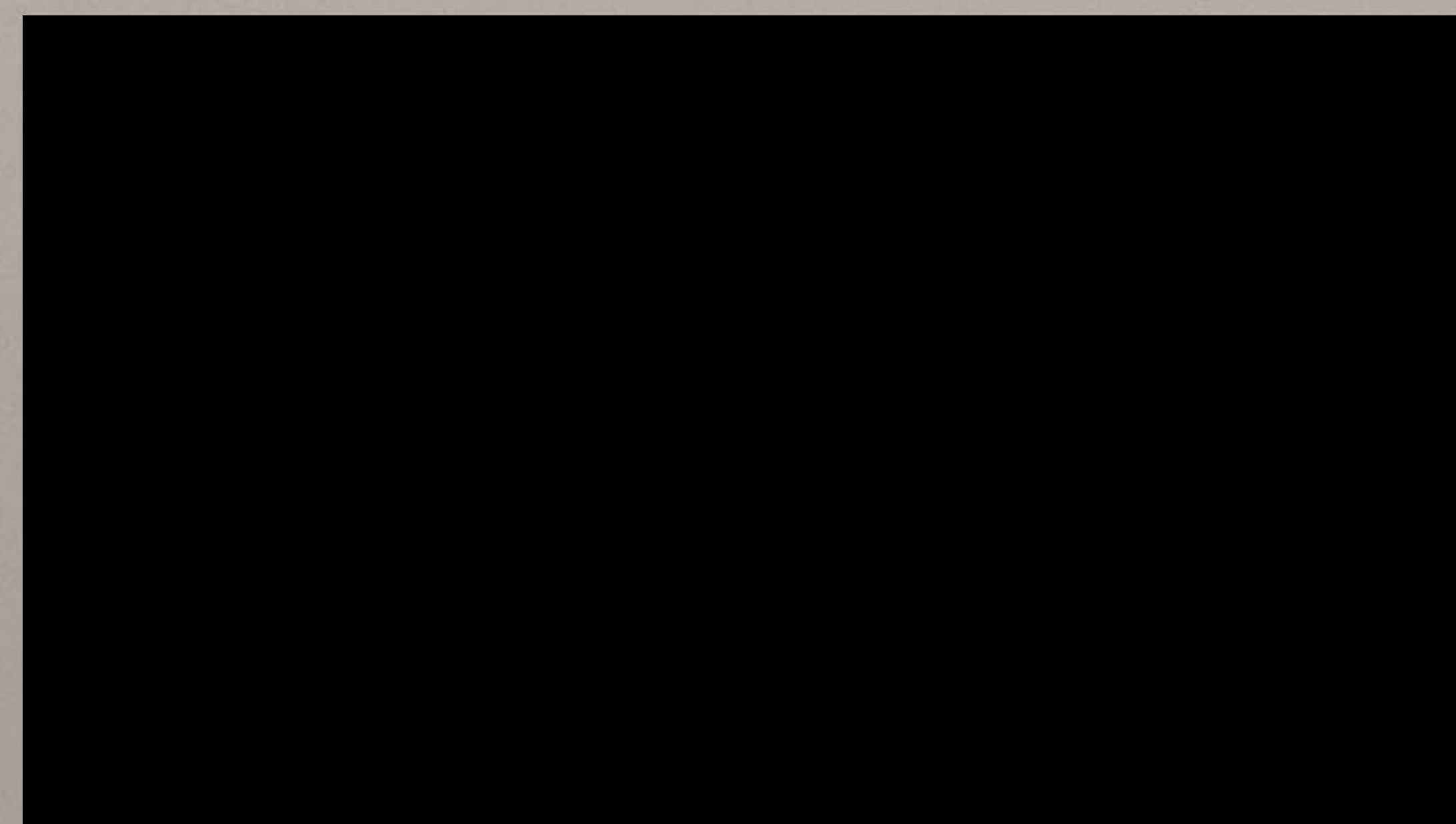
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-107
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



NOTE:

1. ALL DIMENSIONS ARE IN mm
2. TOLERANCE: 3%



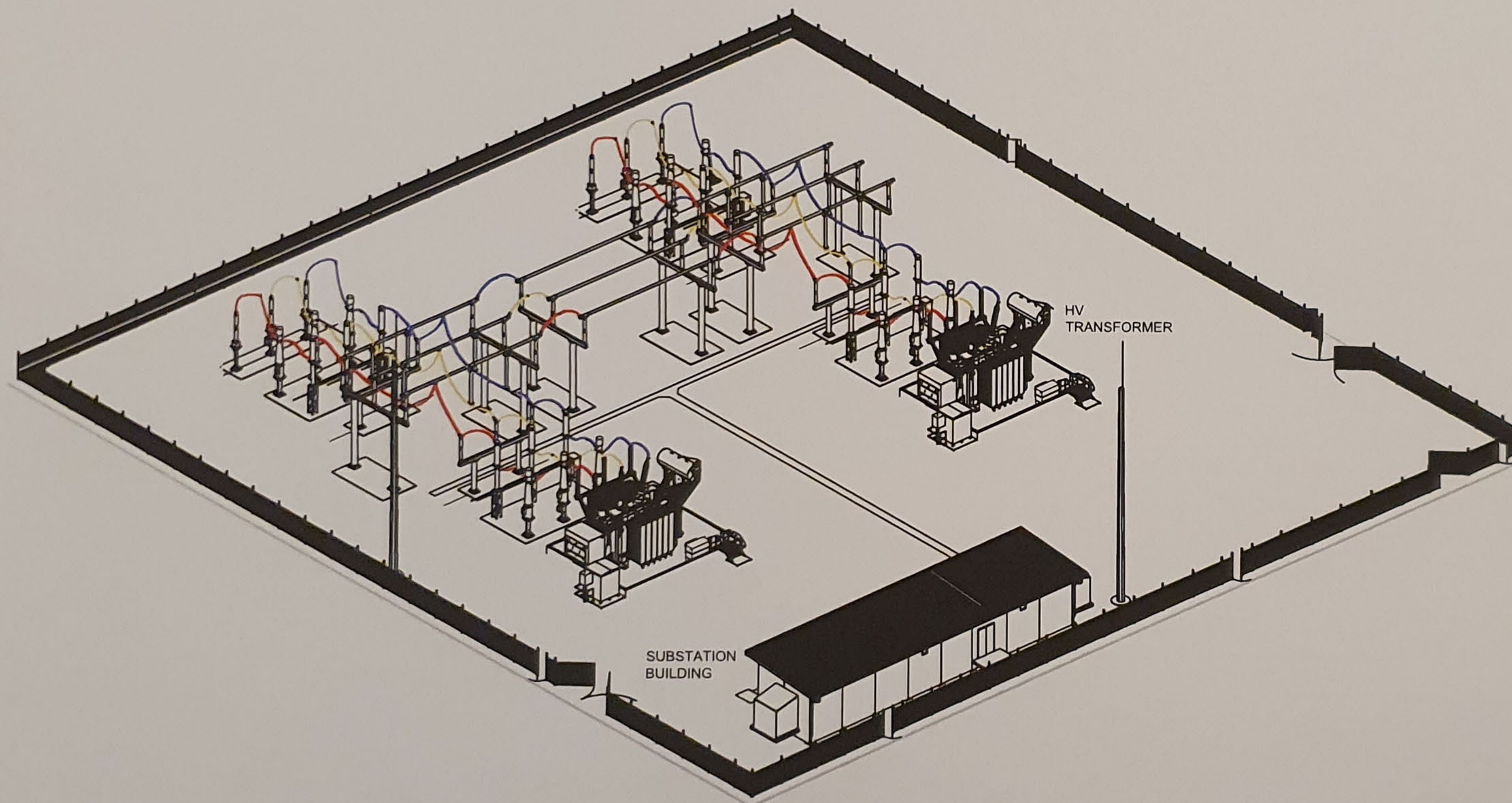
PLASTIC WATER TANK
L SHOWN

Title	Water Tank
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-108
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



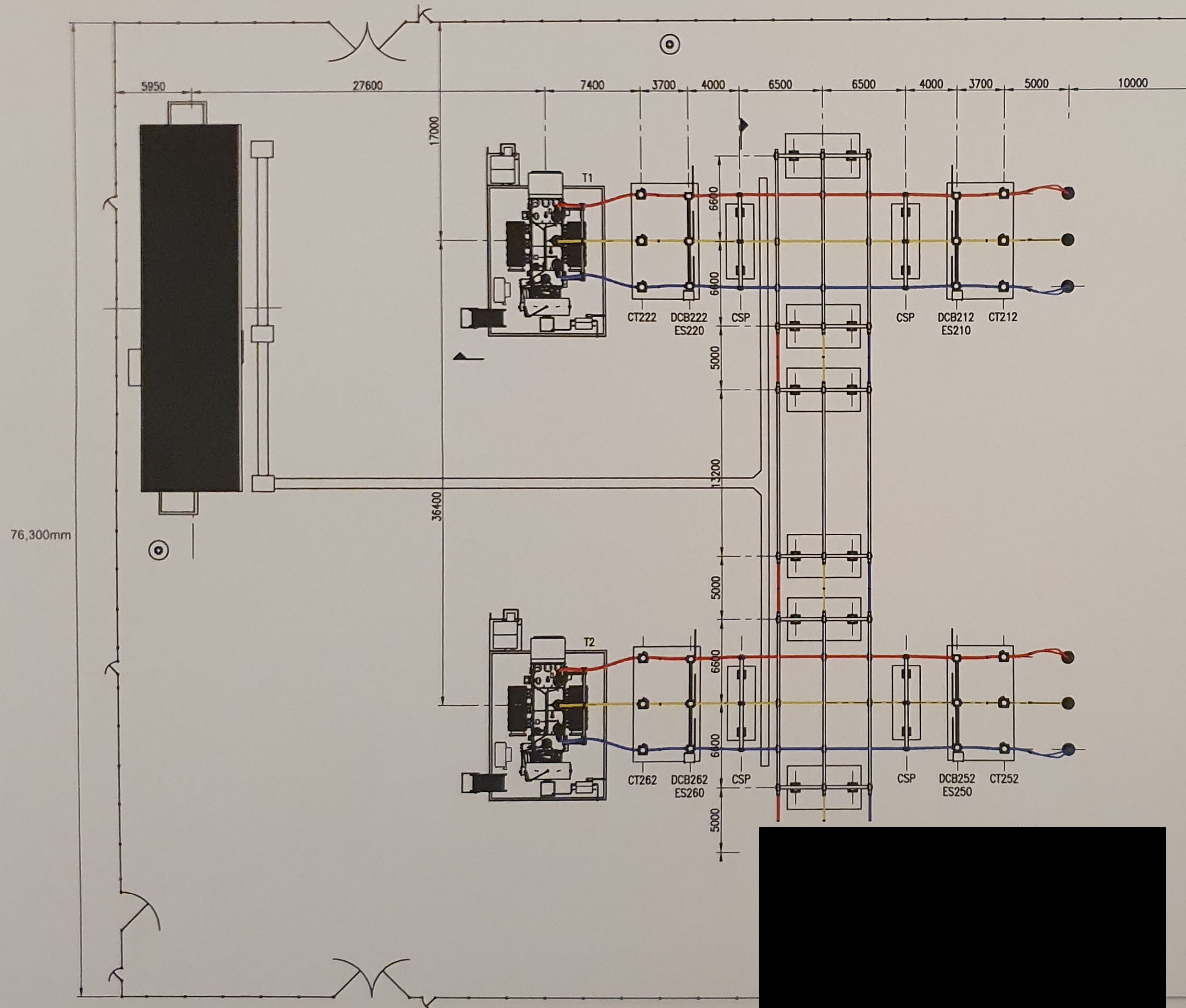
Title	Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-109
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

PLAN VIEW



NOTE: DIMENSIONS IN MM

GENERIC EXAMPLE SHOWN

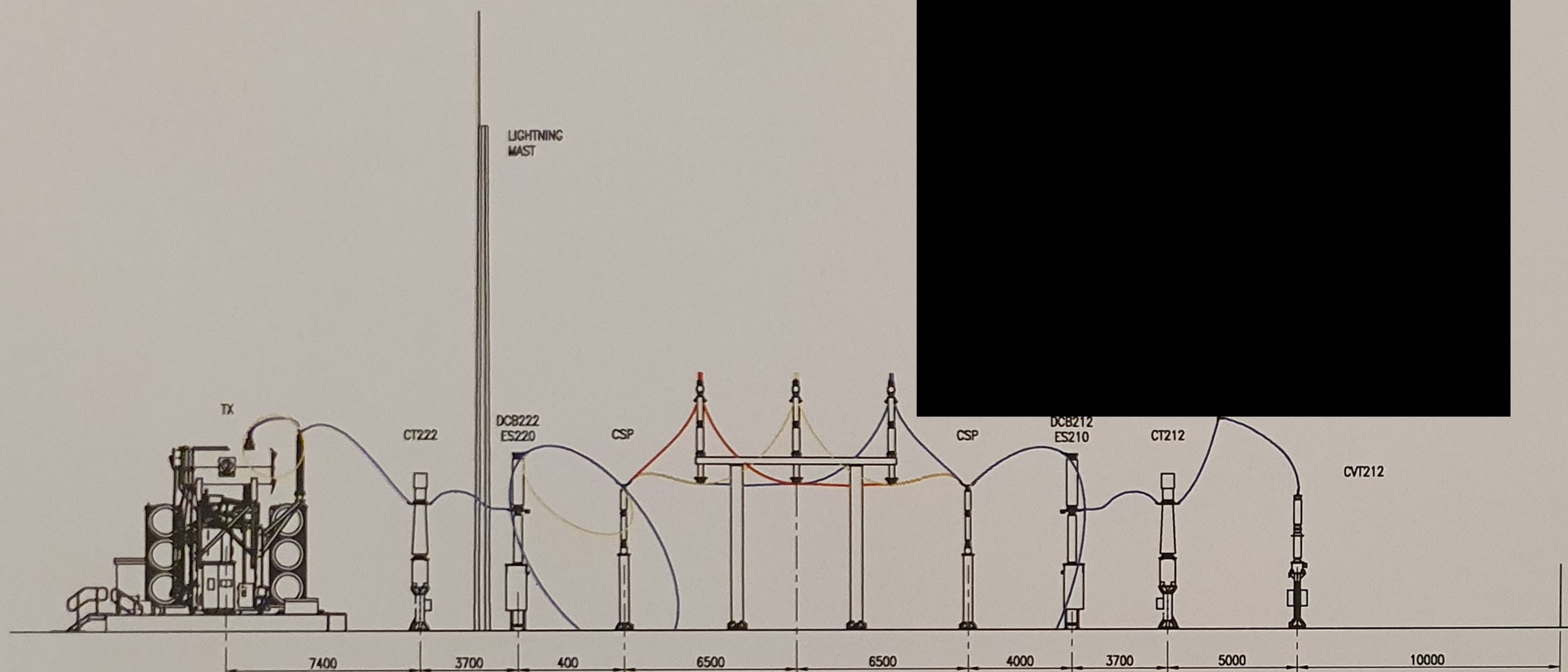
Title	Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



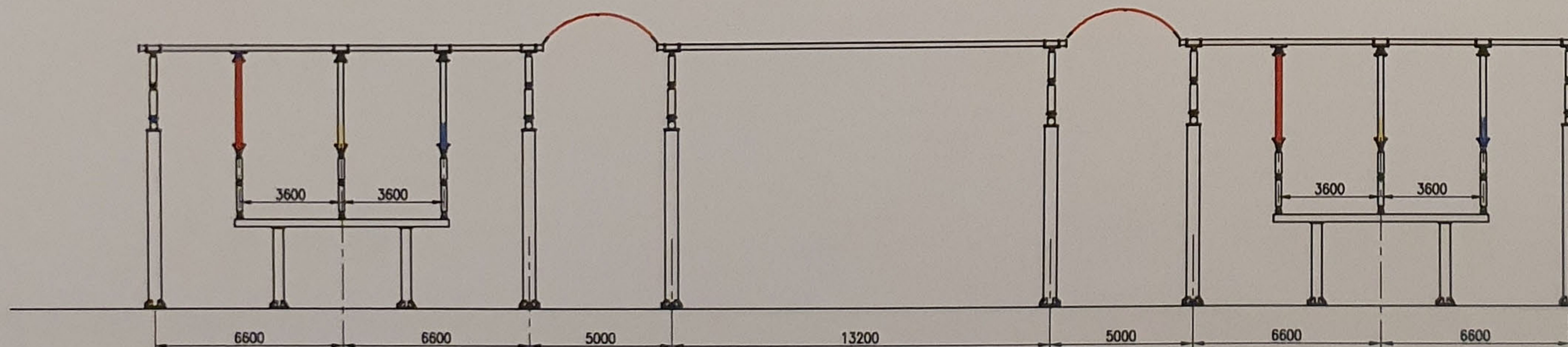
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-110
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

SIDE ELEVATION



END ELEVATION



NOTE: DIMENSIONS IN MM

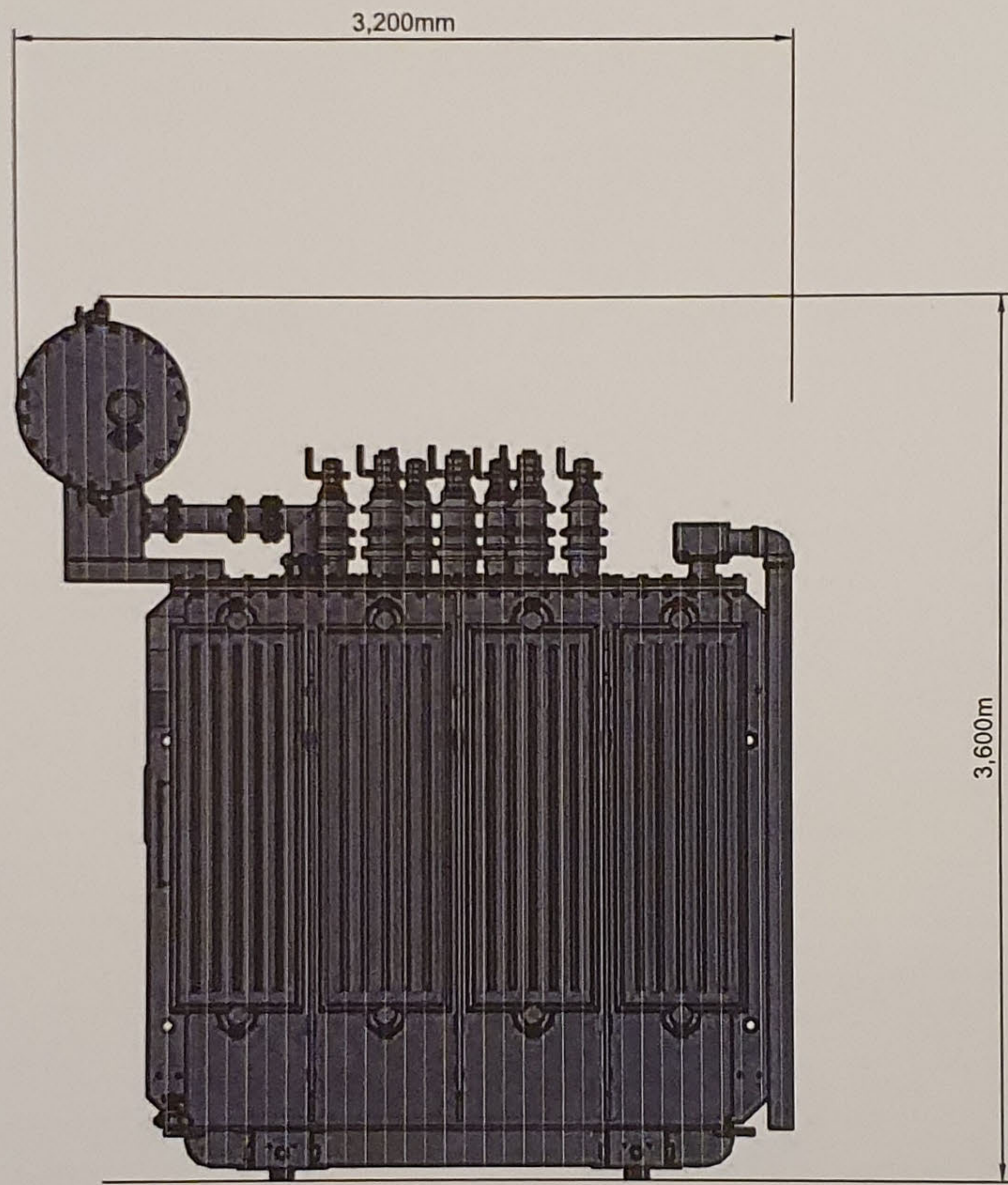
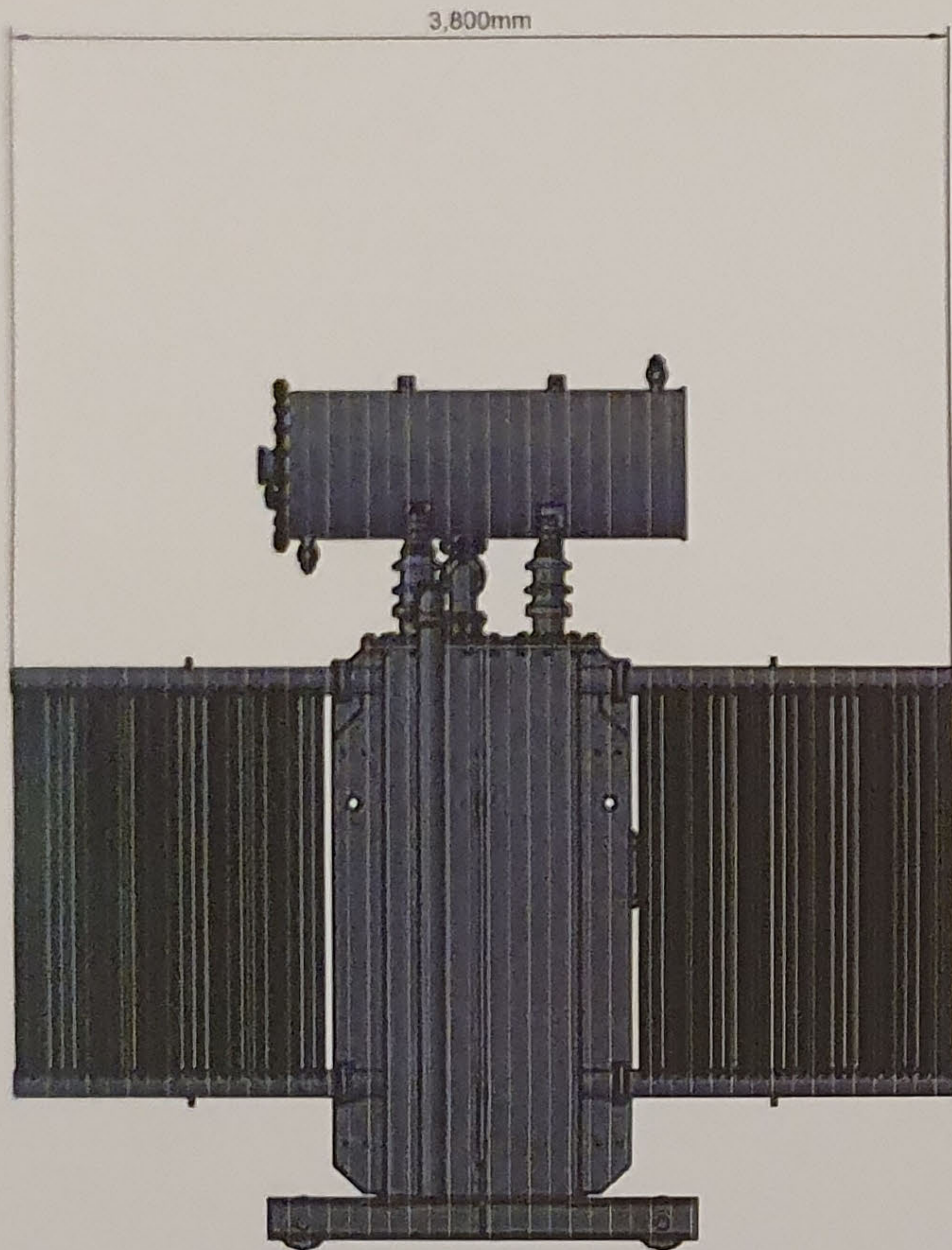
SUBSTATION
GENERIC EXAMPLE SHOWN

Title	Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-111
Revision #: 1
Date: 28 APRIL 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING



Title	HV Transformer
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-112
Revision #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING