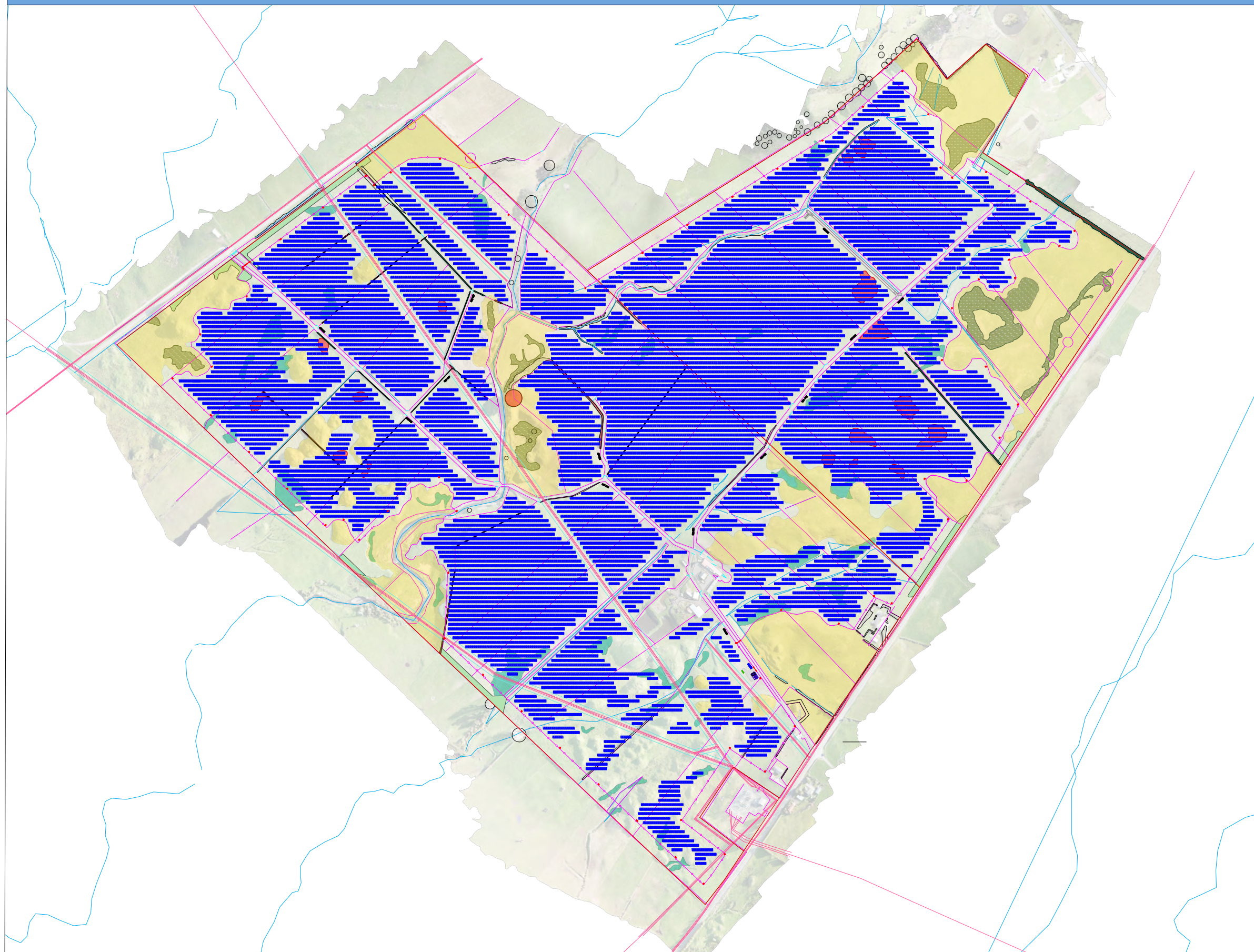
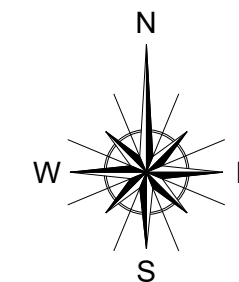


SITE DESIGN PLAN  
SCALE 1:7500



	Array 2P x 30
	Array 2P x 15
	79 MVA Transformer
	MV Power Station
	Storage Container
	Customer Sub-Station
	Over Head Line
	Red Line Boundary
	Fencing
	Bullet Camera
	Access Road
	Existing Trees
	Site Entry Gate

Project Details:	
Latitude	39°23S, 173°55E
Fence Area	300.73 Acre
Pitch Distance	8.49 m
Row to Row Clearance	4.0 m
Module Tilt	20°
Numbers of Modules	142650 Nos
Installed Capacity	94.149 MWp
Number of Arrays	2163 F & 429 H
Array Type	2P x 30 & 2P x 15
Basis For Plan	G-MAP

TECHNOLOGY	
Module	Monocrystalline
Module Power	660Wp
Module Dimensions	2384 x 1303 x 35 mm
Inverter/ Transformer station	26Nos

REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE
R1	SB	SD	JR	Area Adjusted	22-11-2022
R0	SB	SD	JR	Constrain Included ,Area Adjusted	20-11-2022

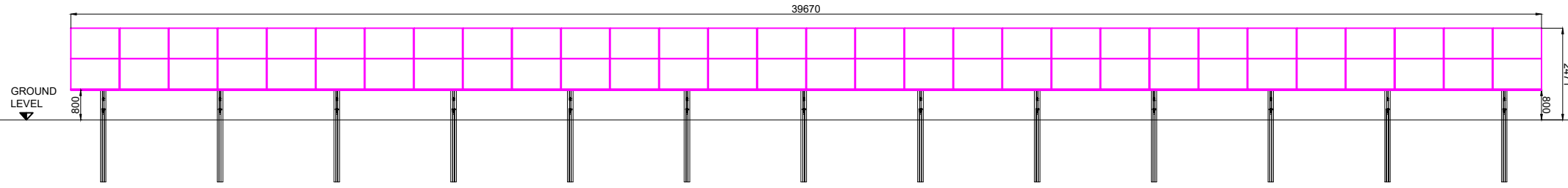
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London, HA2 6AJ  
[www.greenenco.co.uk](http://www.greenenco.co.uk)

DRAWING TITLE: SITE DESIGN PLAN	DRAWING NUMBER: PL.001	APPROVAL STAMP:  <b>PLANNING DESIGN</b>	SCALE: 1:7500
PROJECT NAME & ADDRESS: OPUNAKE SOLAR PROJECT	CUSTOMER: HARMONY ENERGY	STATUS: <b>PLANNING DESIGN</b>	FORMAT: DIN A3
			SHEET: 1/1

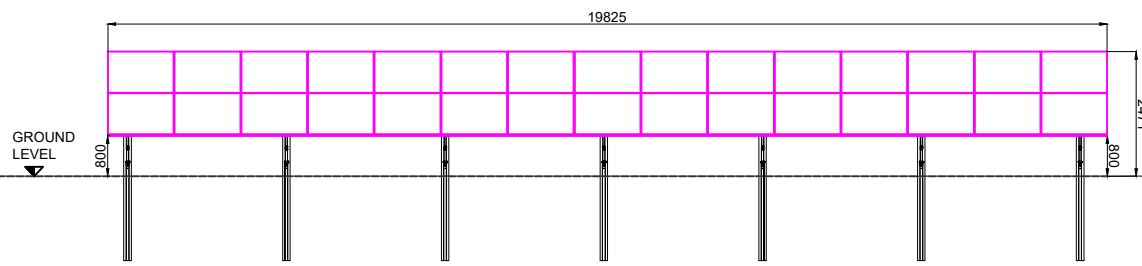
A3 - ( 420 x 297 )mm

# TECHNICAL DETAILS - MOUNTING STRUCTURE

2P x 30 (FULL TABLE) MOUNTING STRUCTURE  
SCALE 1:150

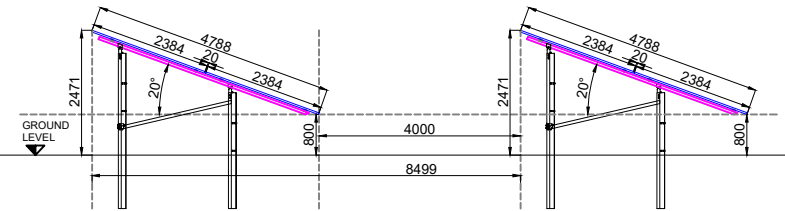


2P x 15 (HALF TABLE) MOUNTING STRUCTURE  
SCALE 1:100



2P x 30 & 2P x 15 MOUNTING STRUCTURE  
SCALE 1:150

Side View



\* All dimensions shown are in millimeters and are approximate \*

A3 - (420 x 297) mm

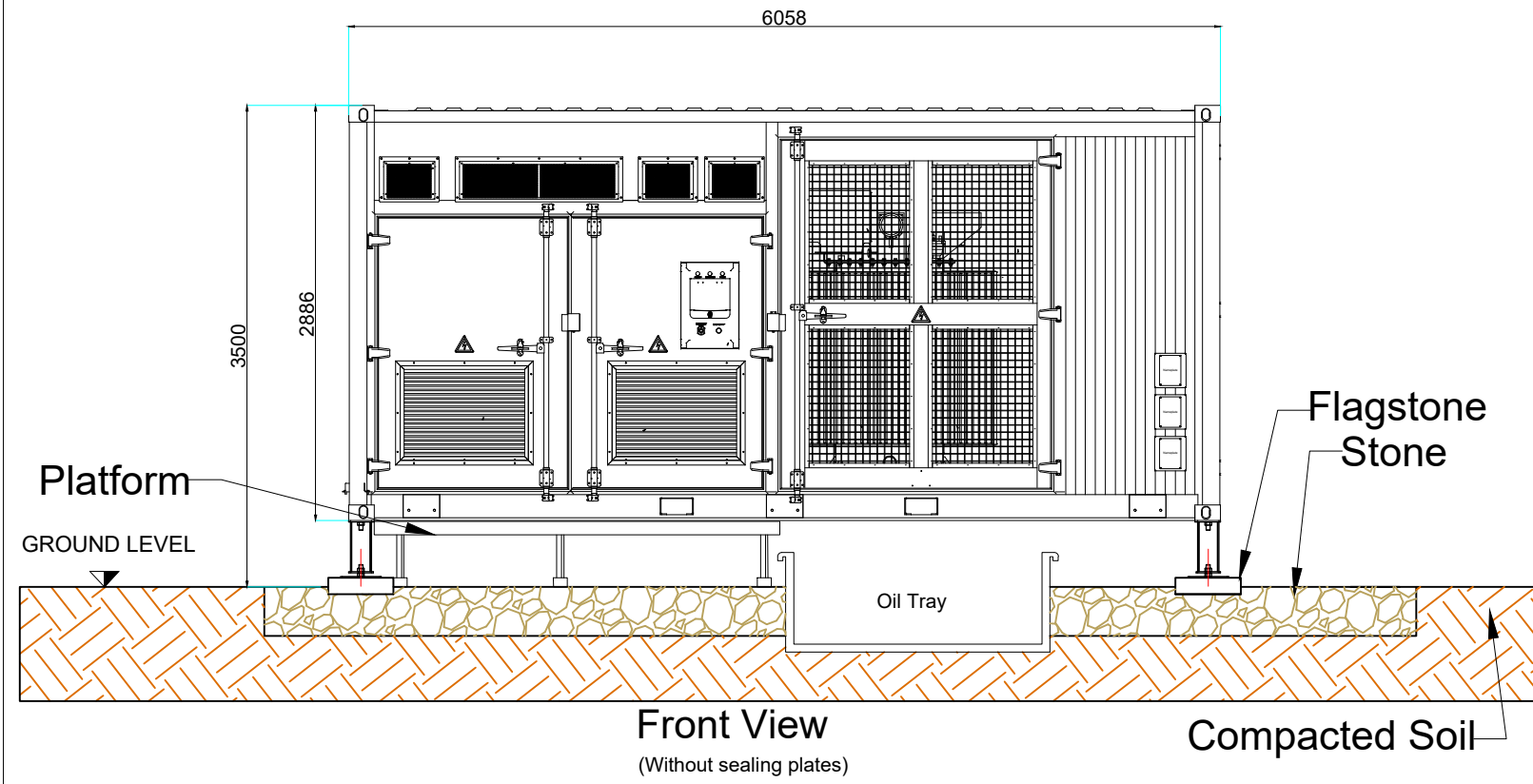
R0	SD	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE

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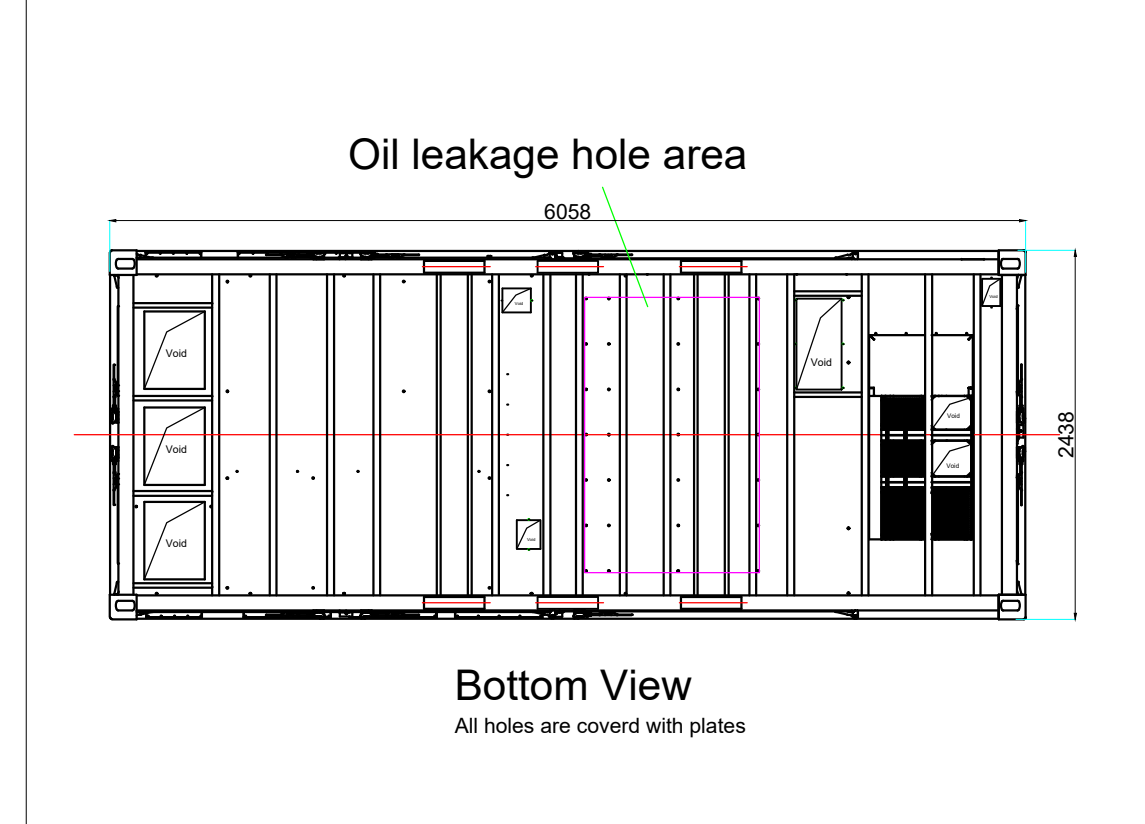
DRAWING TITLE: TECHNICAL DETAILS - MOUNTING STRUCTURE	DRAWING NUMBER: PL.004	APPROVAL STAMP:	SCALE: 1:125 1:100
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM	CUSTOMER: HARMONY	STATUS: PLANNING	FORMAT: DIN A3
			SHEET: 1/1

TECHNICAL DETAILS MV POWER STATION  
SCALE 1:50

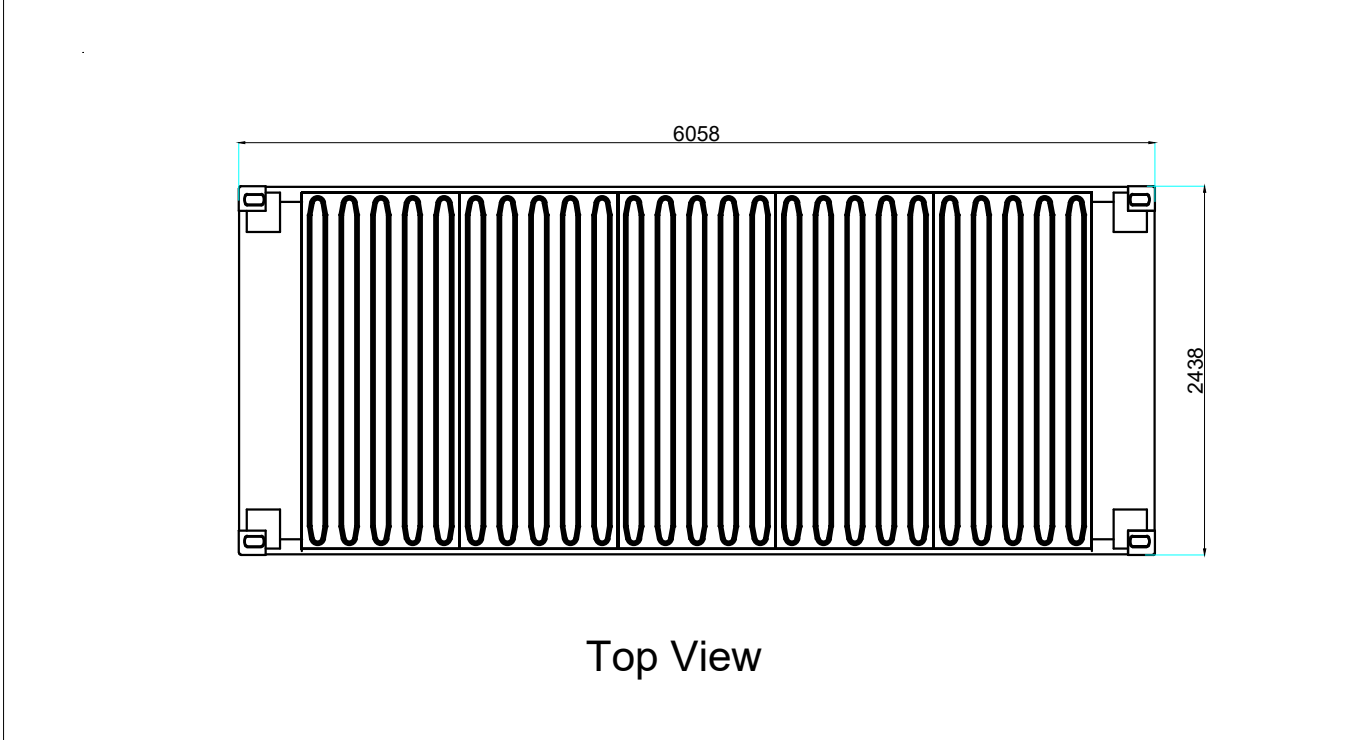
FRONT VIEW - SCALE 1:50



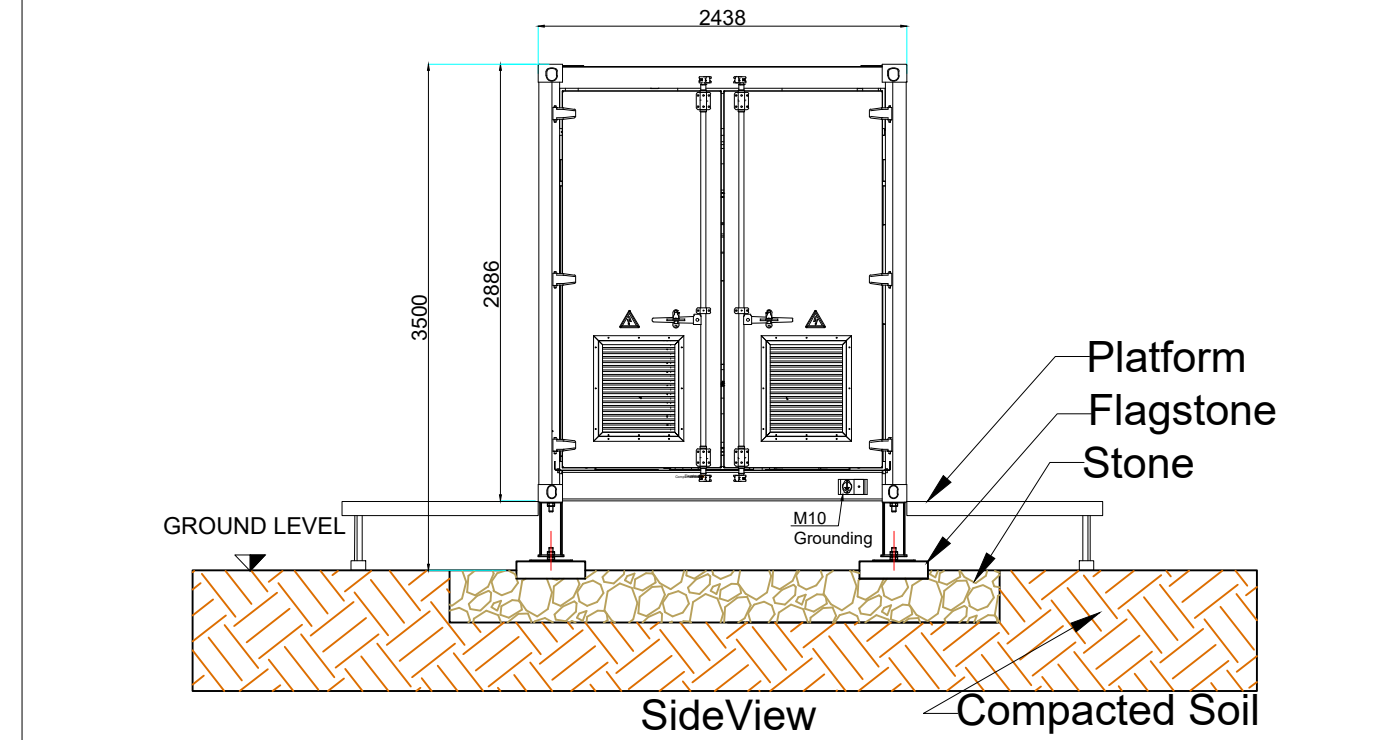
BOTTOM VIEW - SCALE 1:50



TOP VIEW - SCALE 1:50



SIDE VIEWS - SCALE 1:50



\* All dimensions shown are in millimeters and are approximate \*

A3 - ( 420 x 297 )mm

R0	SD	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE

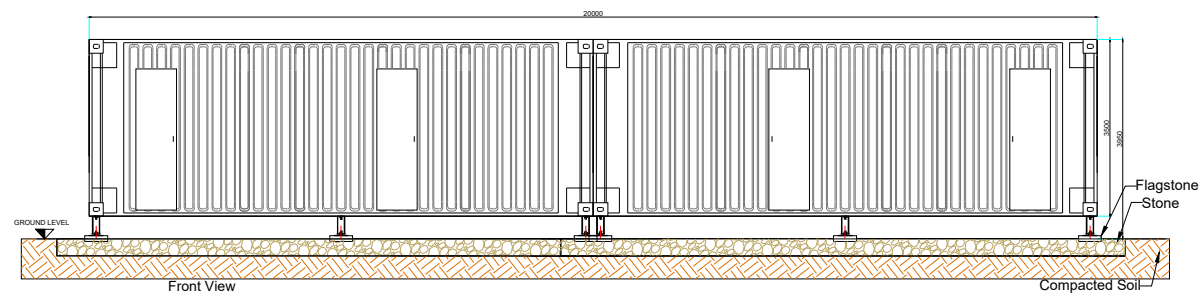
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DRAWING TITLE: TECHNICAL DETAILS - MV POWER STATION	DRAWING NUMBER: PL.005a	APPROVAL STAMP:	SCALE: 1:50
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM	CUSTOMER: HARMONY	STATUS: PLANNING	FORMAT: DIN A3
			SHEET: 1/1

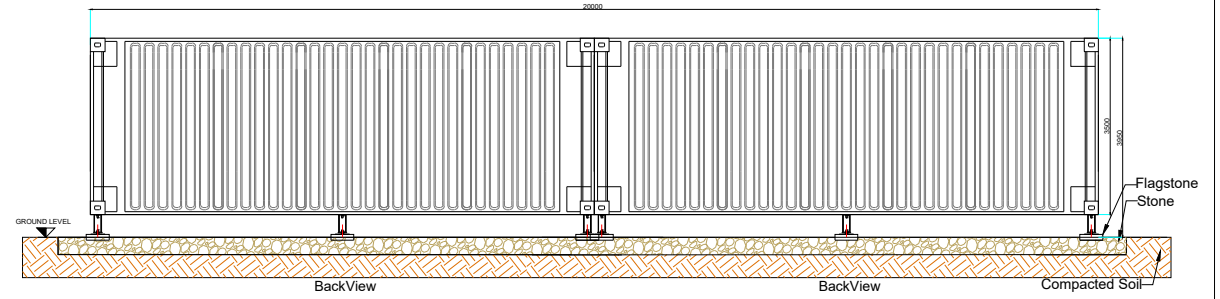
TECHNICAL DETAILS - CUSTOMER- SUBSTATION

SCALE 1:100,1:150

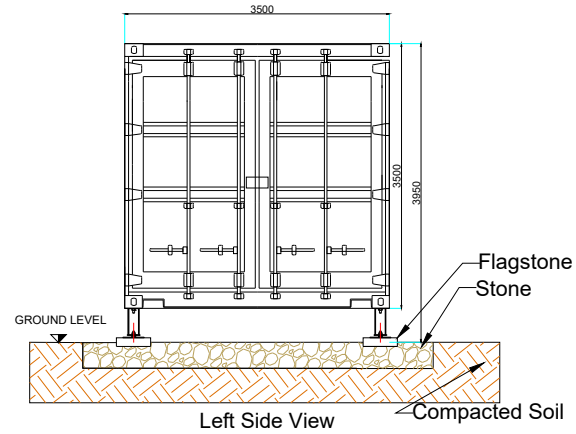
FRONT VIEW SCALE 1: 150



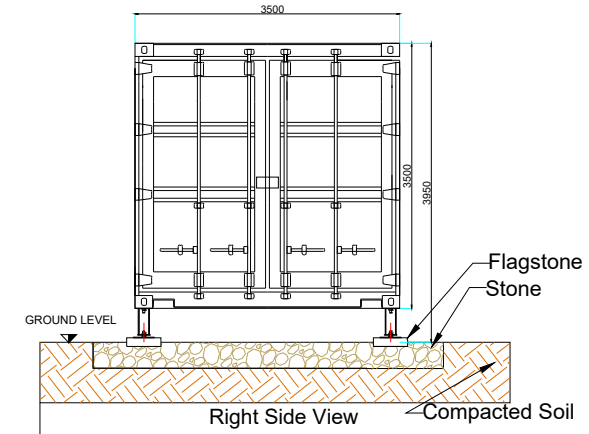
BACK VIEW SCALE 1: 150



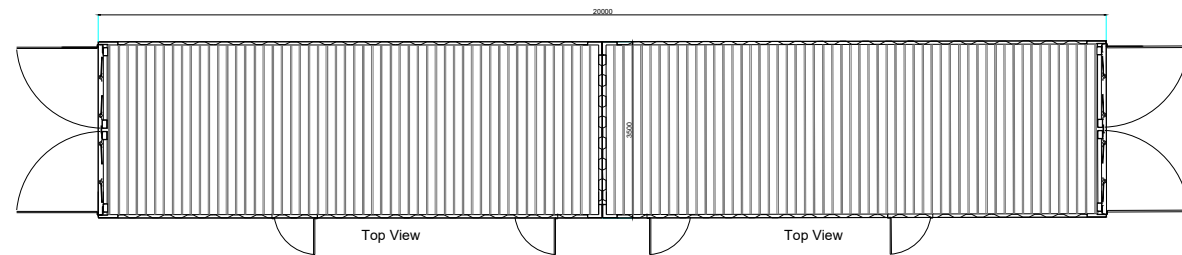
LEFT SIDE VIEW SCALE 1: 100



RIGHT SIDE VIEW SCALE 1: 100



PLAN VIEW SCALE 1: 150



\* All dimensions shown are in millimeters and are approximate \*

A3 - ( 420 x 297 )mm

R0	AM	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE

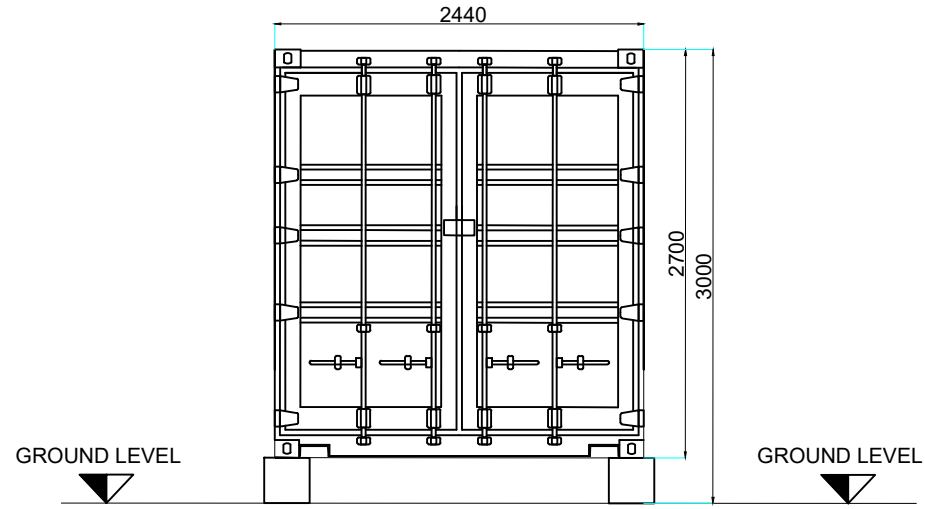
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 London, HA2 6AJ  
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DRAWING TITLE: TECHNICAL DETAILS - CUSTOMER-SUBSTATION	DRAWING NUMBER: PL.006a	APPROVAL STAMP:  	SCALE: 1:100,1:150
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM	CUSTOMER: HARMONY	STATUS: PLANNING	FORMAT: DIN A3
			SHEET: 1/1

TECHNICAL DETAILS STORAGE CONTAINER  
SCALE 1:50, 1:50

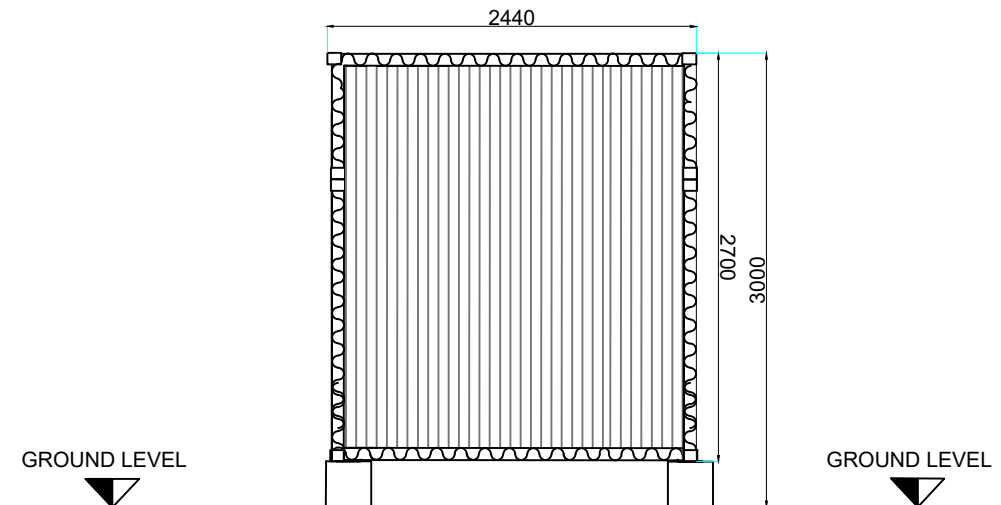
FRONT VIEW - SCALE 1: 50

# Front View



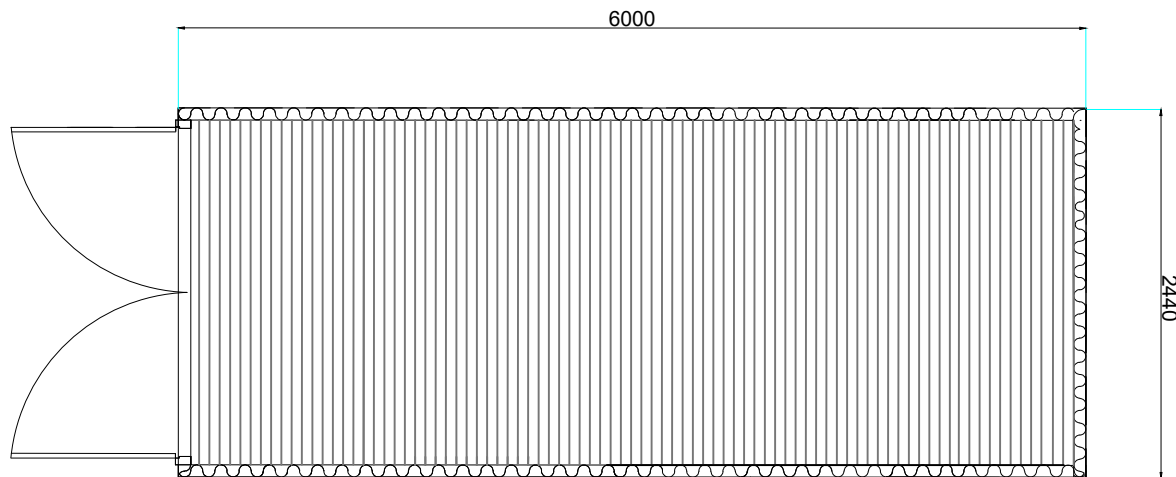
BACK VIEW - SCALE 1: 50

# Back View



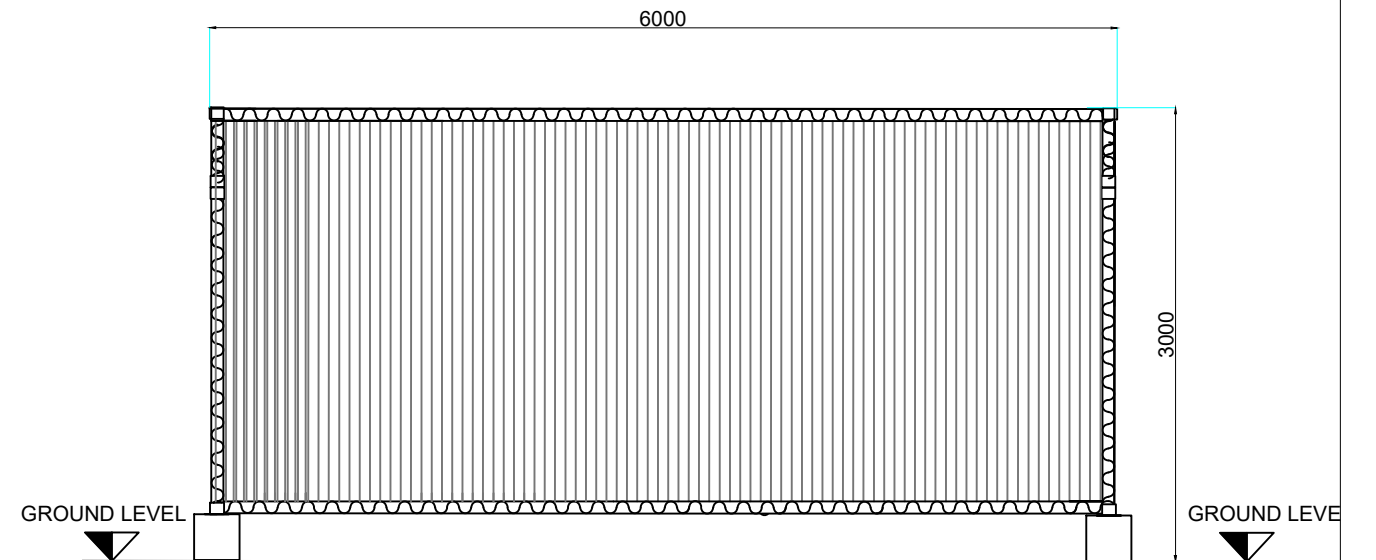
TOP VIEW - SCALE 1: 50

# Top View



SIDE VIEWS - SCALE 1: 50

# Side View



\* All dimensions shown are in millimeters and are approximate \*

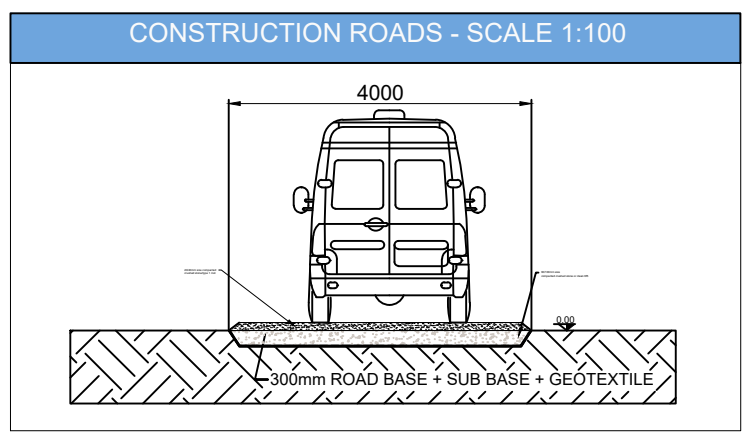
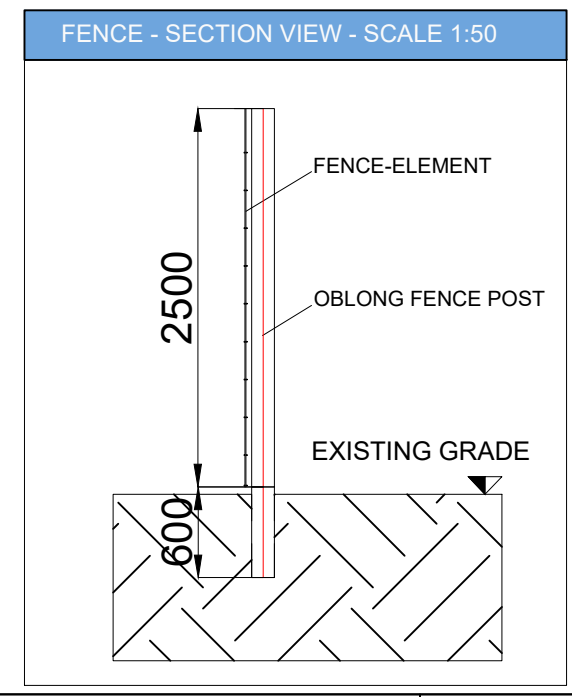
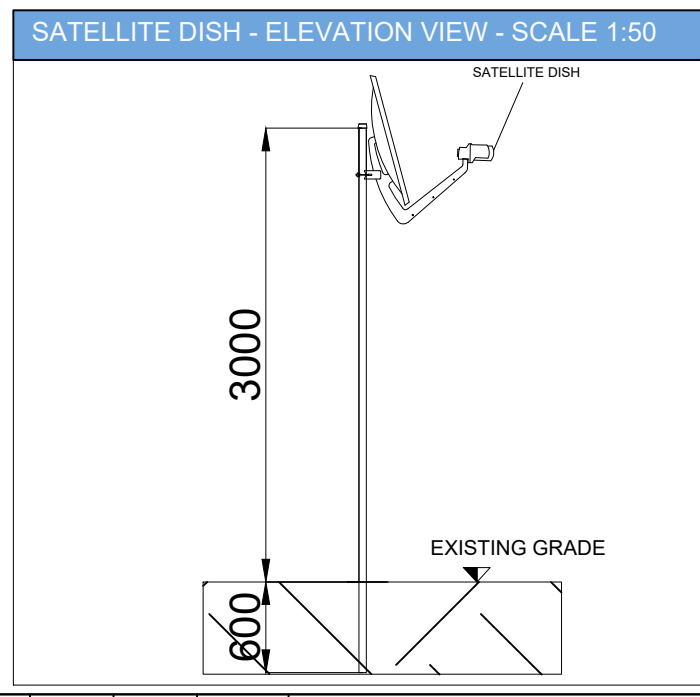
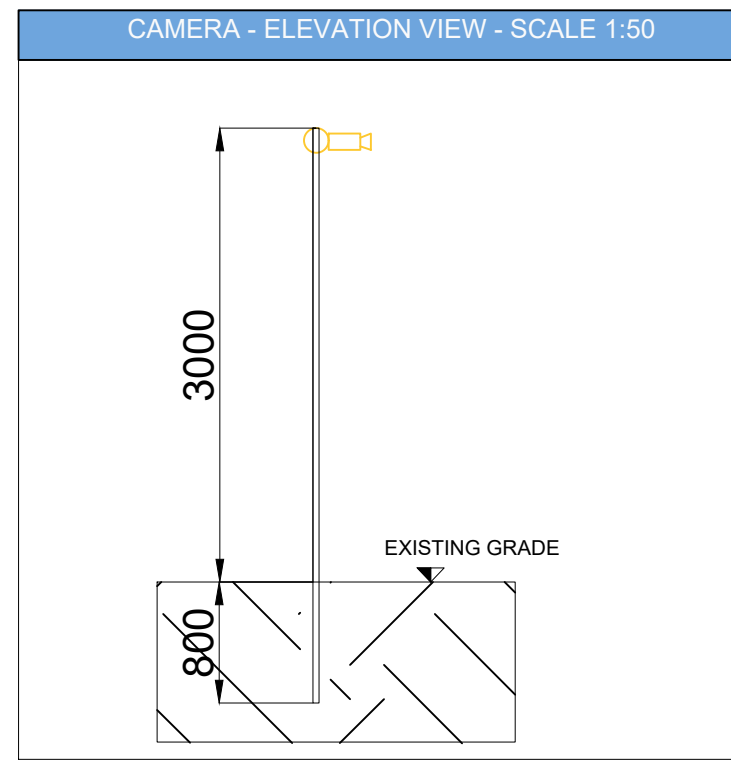
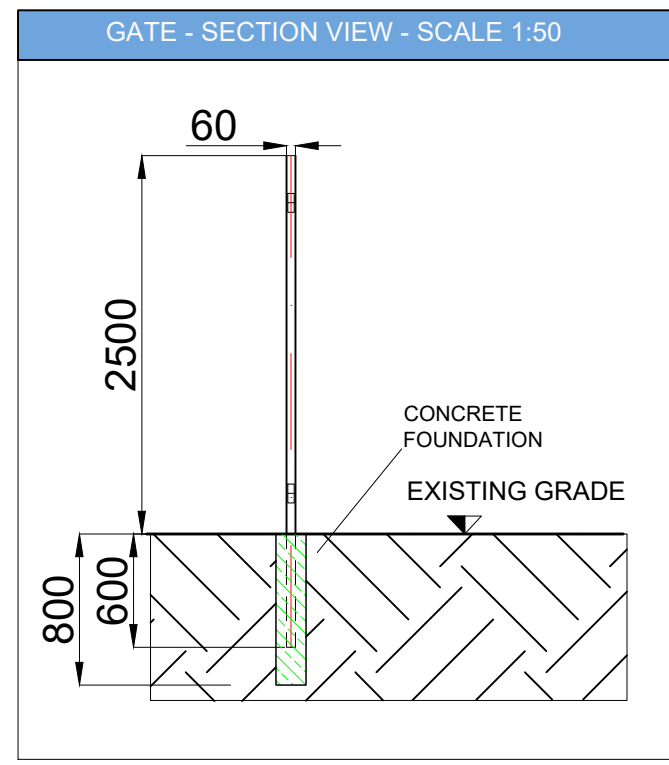
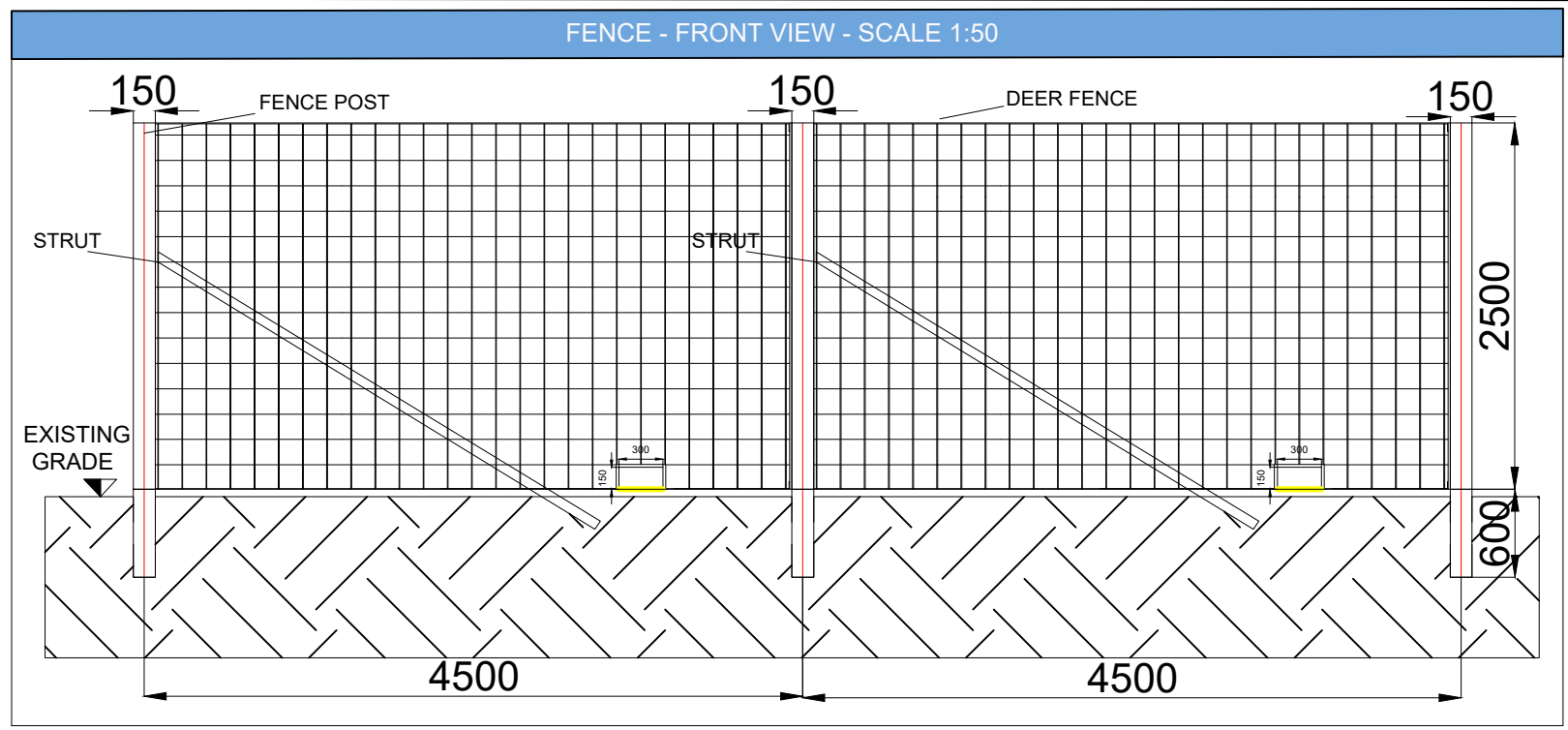
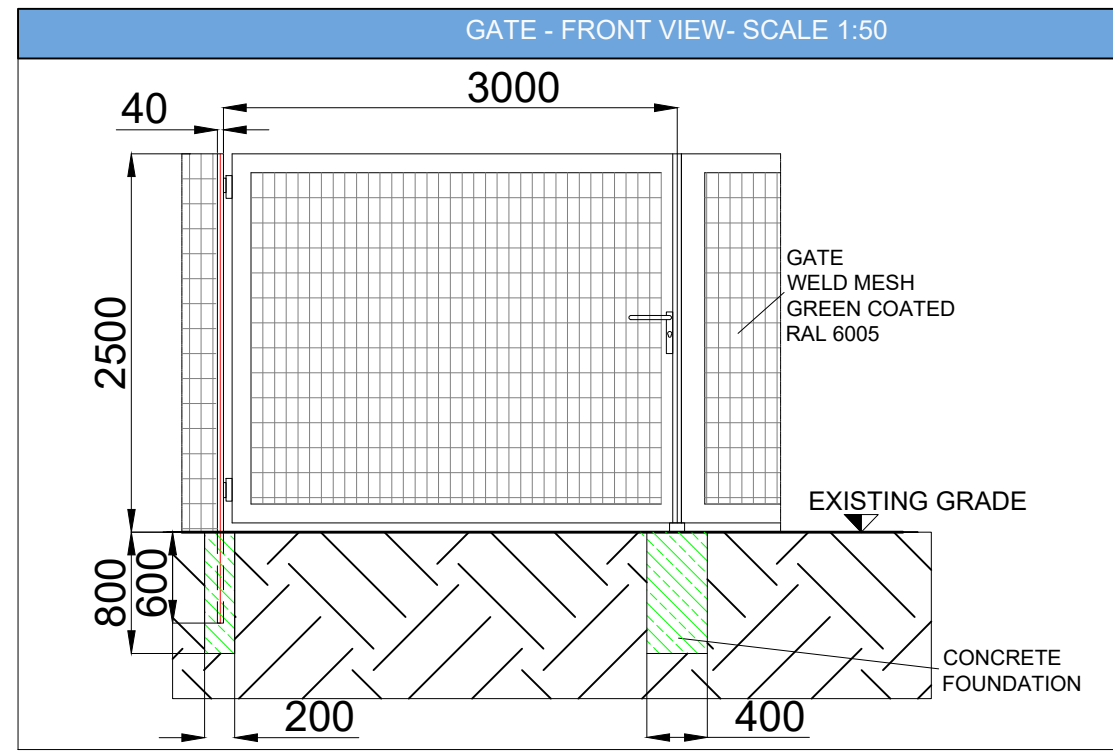
R0	SD	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE

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DRAWING TITLE: TECHNICAL DETAILS - STORAGE CONTAINER	DRAWING NUMBER: PL.007	APPROVAL STAMP: PLANNING	SCALE: 1:50 & 1:50
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM	CUSTOMER: HARMONY	STATUS:	FORMAT: DIN A3
			SHEET: 1/1

A3 - ( 420 x 297 )mm

# TECHNICAL DETAILS



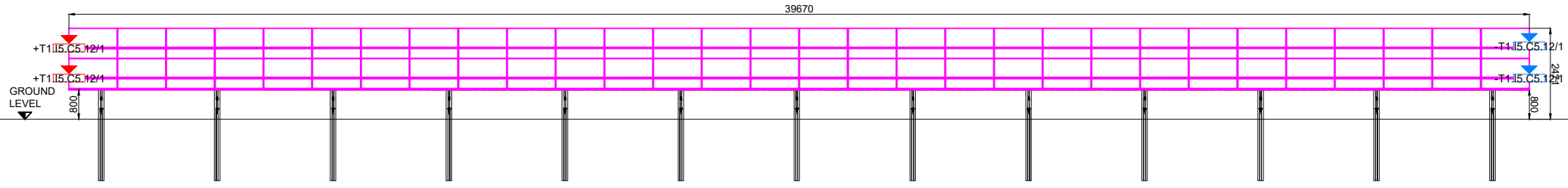
\* All dimensions shown are in millimeters and are approximate \*

A3 - (420 x 297) mm

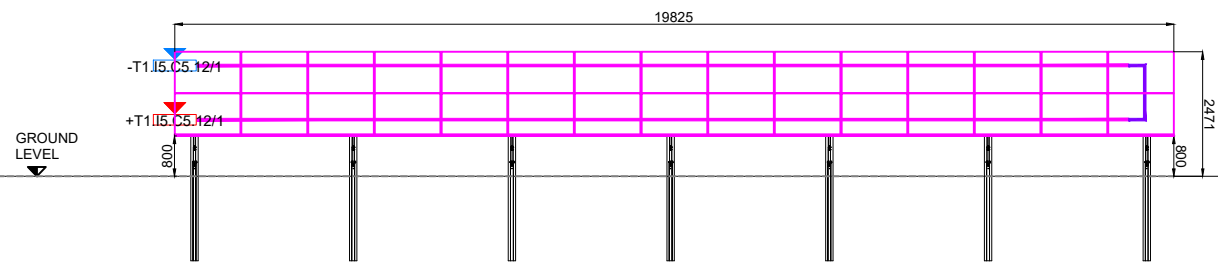
R0	SD	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE
DRAWING TITLE: TECHNICAL DETAILS 1 _ Gate-Fence-Construction Road, Camera,Satellite Dish					DRAWING NUMBER: PL.008
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM			CUSTOMER: HARMONY		
EPC:				 3Allington Road, Harrow, London, HA2 6AJ <a href="http://www.greenenco.co.uk">www.greenenco.co.uk</a>	
				SCALE: 1:50 & 1:100	FORMAT: DIN A3

# TECHNICAL DETAILS - DC STRING CABLE LAYOUT ON THE PV TABLE

2P x 30 (FULL TABLE) MOUNTING STRUCTURE  
SCALE 1:150



2P x 15 (HALF TABLE) MOUNTING STRUCTURE  
SCALE 1:100



\* All dimensions shown are in millimeters and are approximate \*

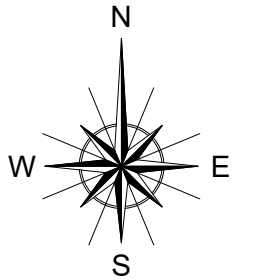
R0	SD	JR	JR	First Issue	01.12.2022
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE

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DRAWING TITLE: TECHNICAL DETAILS -DC String Cable Layout on the PV Table	DRAWING NUMBER: PL.011	APPROVAL STAMP:	SCALE: 1:150 1:100
PROJECT NAME & ADDRESS: OPUNAKE SOLAR FARM	CUSTOMER: HARMONY	STATUS: PLANNING	FORMAT: DIN A3
			SHEET: 1/1

A3 - ( 420 x 297 )mm

DC String Cable Layout in the PV Plant  
SCALE 1:7500



DC String Cable Layout

Project Details:	
Latitude	39°23S, 173°55E
Fence Area	300.73 Acre
Pitch Distance	8.49 m
Row to Row Clearance	4.0 m
Module Tilt	20°
Numbers of Modules	142650 Nos
Installed Capacity	94.149 MWp
Number of Arrays	2163 F & 429 H
Array Type	2P x 30 & 2P x 15
Basis For Plan	G-MAP
TECHNOLOGY	
Module	Monocrystalline
Module Power	660Wp
Module Dimensions	2384 x 1303 x 35 mm
Inverter/ Transformer station	26Nos

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DRAWING TITLE: DC String Cable Layout in the PV Plant

DRAWING NUMBER: PL.012

PROJECT NAME & ADDRESS: OPUNAKE SOLAR PROJECT

CUSTOMER: HARMONY ENERGY

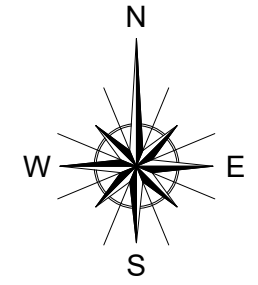
STATUS: PLANNING DESIGN

SCALE: 1:7500  
FORMAT: DIN A3  
SHEET: 1/1

REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE
R0	SB	SD	JR	First Issue	01-12-2022

A3 - (420 x 297) mm

DC String Cable Layout in the PV Plant  
SCALE 1:7500



HV AC Underground Cable Layout

Project Details:	
Latitude	39°23S, 173°55E
Fence Area	300.73 Acre
Pitch Distance	8.49 m
Row to Row Clearance	4.0 m
Module Tilt	20°
Numbers of Modules	142650 Nos
Installed Capacity	94.149 MWp
Number of Arrays	2163 F & 429 H
Array Type	2P x 30 & 2P x 15
Basis For Plan	G-MAP
TECHNOLOGY	
Module	Monocrystalline
Module Power	660Wp
Module Dimensions	2384 x 1303 x 35 mm
Inverter/ Transformer station	26Nos

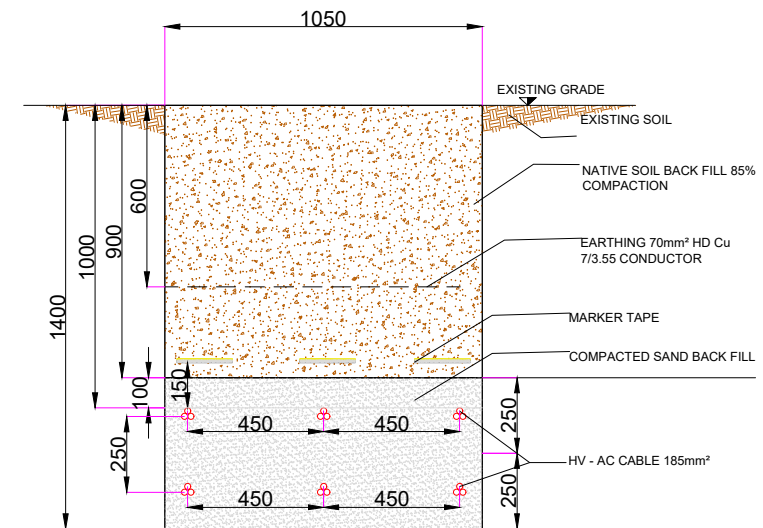
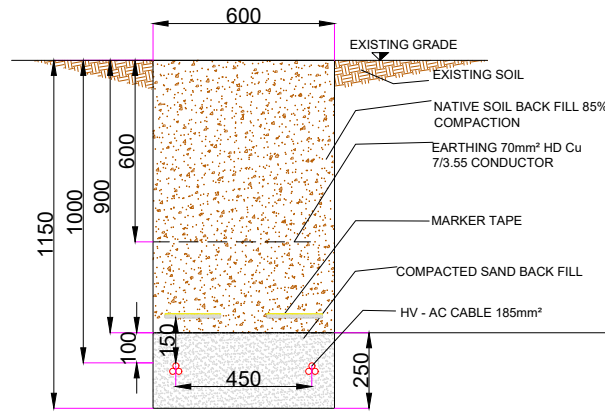
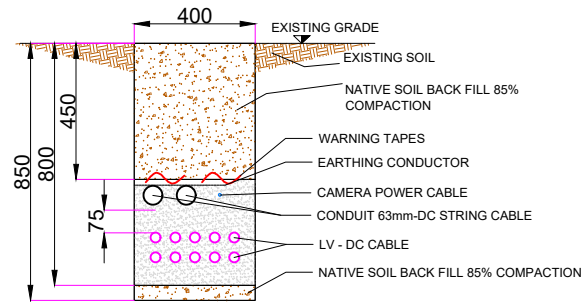
REV	DRAWN	REVIEWED	APPROVED	CHANGE	DATE
R0	SB	SD	JR	First Issue	01-12-2022

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DRAWING TITLE: HV AC Underground Cable Layout in the PV Plant	DRAWING NUMBER: PL.014	APPROVAL STAMP:	SCALE: 1:7500
PROJECT NAME & ADDRESS: OPUNAKE SOLAR PROJECT	CUSTOMER: HARMONY ENERGY	STATUS: <b>PLANNING DESIGN</b>	FORMAT: DIN A3
			SHEET: 1/1

A3 - ( 420 x 297 )mm

# Underground Cable Trench Cross-section



\* All dimensions shown are in millimeters and are approximate \*

A3 - (420 x 297) mm

REV	SD	JR	JR	First Issue	01.12.2022
1				CHANGE	DATE

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DRAWING TITLE: Technical Details - Underground Cable Trench Cross-section	DRAWING NUMBER: PL.015	APPROVAL STAMP:  PLANNING	SCALE: 1:25
PROJECT NAME & ADDRESS: Opunake Solar Farm	CUSTOMER: HARMONY ENERGY	STATUS:	FORMAT: DIN A3
			SHEET: 1/1