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CONSTRUCTION STANDARD EDI-0006 AND THIS DRAWING.

REFERENCE DRAWINGS

DO NOT SCALE DIMENSIONS IN MILLIMITRES	AUTHORISED/CERTIFIED K. SHANAHAN
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BATTERY AND	ENGINEERING DELIVERY MANAGER		14.10.2024

MULTIPLE UNIT (200kw) AND EARTHING DETAIL	A2	534470
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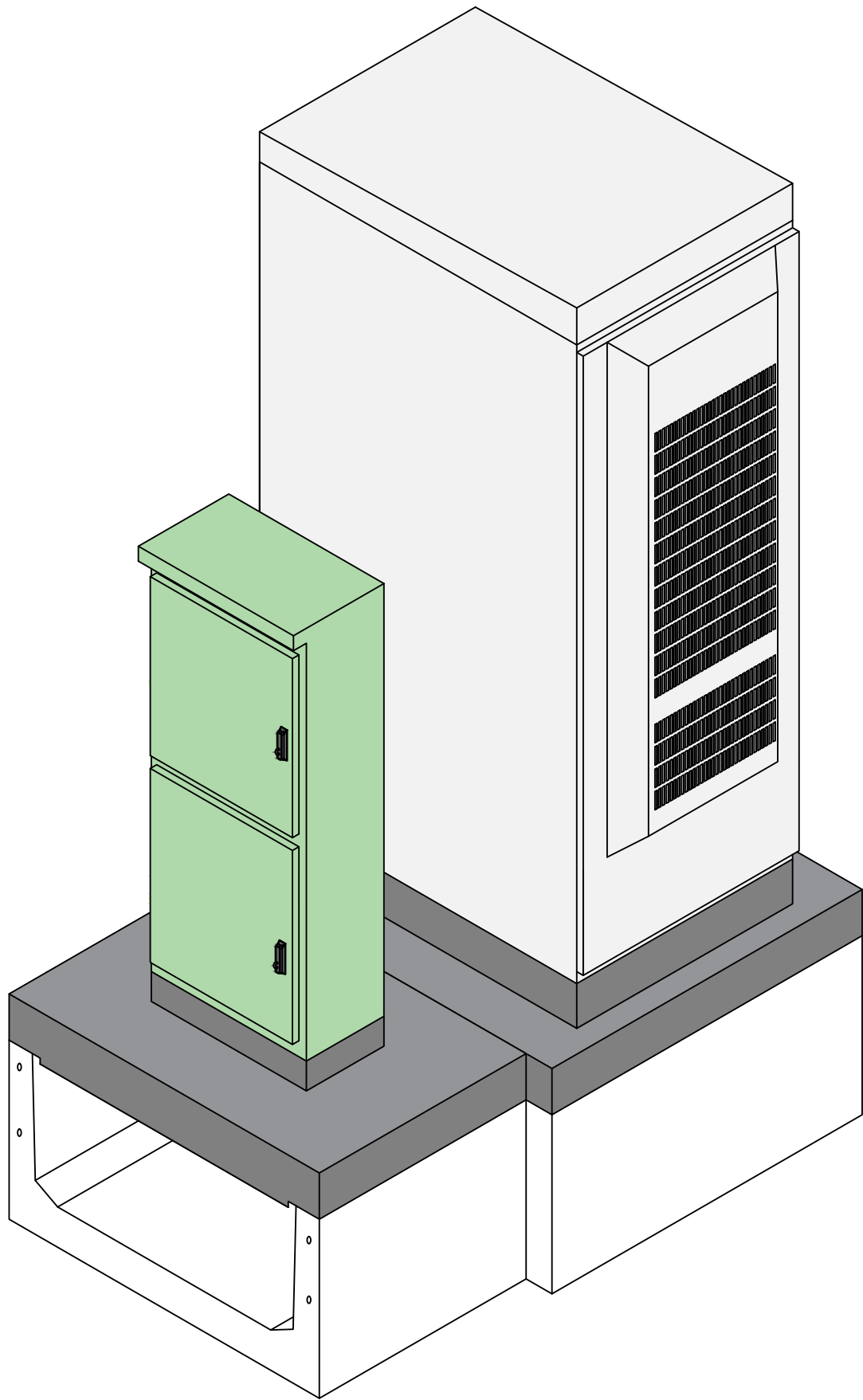
SHEET No 1 OF 5 SHEETS

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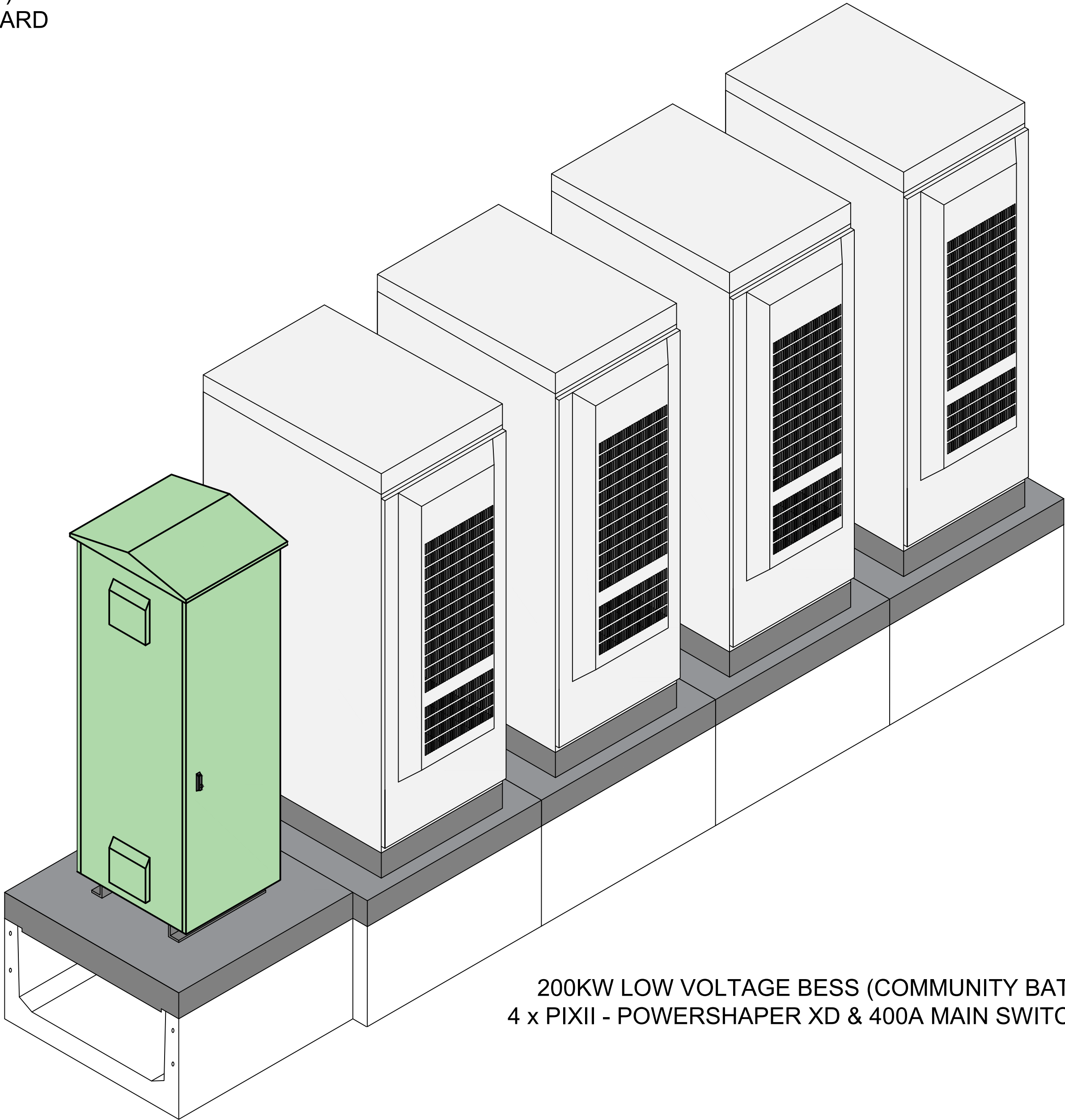
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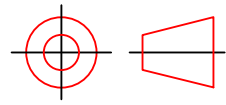
50KW LOW VOLTAGE BESS (COMMUNITY BATTERY)
1 x PIXII - POWERSHAPER XD & 100A MAIN SWITCHBOARD



200KW LOW VOLTAGE BESS (COMMUNITY BATTERY)
4 x PIXII - POWERSHAPER XD & 400A MAIN SWITCHBOARD



AMENDMENTS	JOB No -	DESIGN	DRN	CH'D	DATE	APP'D
HISTORY						
REVISION A						
ORIGINAL ISSUE						



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ORIGINAL SCALE NTS

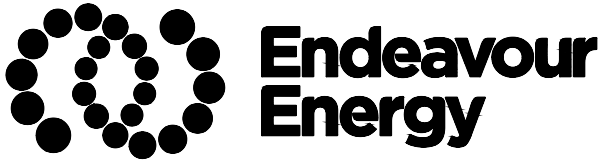
APPROVED A. W

DESIGNED D.Giles

DRAWN 1.10.2024

CHECKED R.D

DATE 1.10.2024



PIXII POWERSHAPER XD COMMUNITY BATTERY AND MAIN SWITCHBOARD - SINGLE (50kW) AND MULTIPLE UNIT (200kW) GENERAL ARRANGEMENT, ELECTRICAL AND EARTHING DETAIL

REFERENCE DRAWINGS

DO NOT SCALE DIMENSIONS IN MILLIMITRES

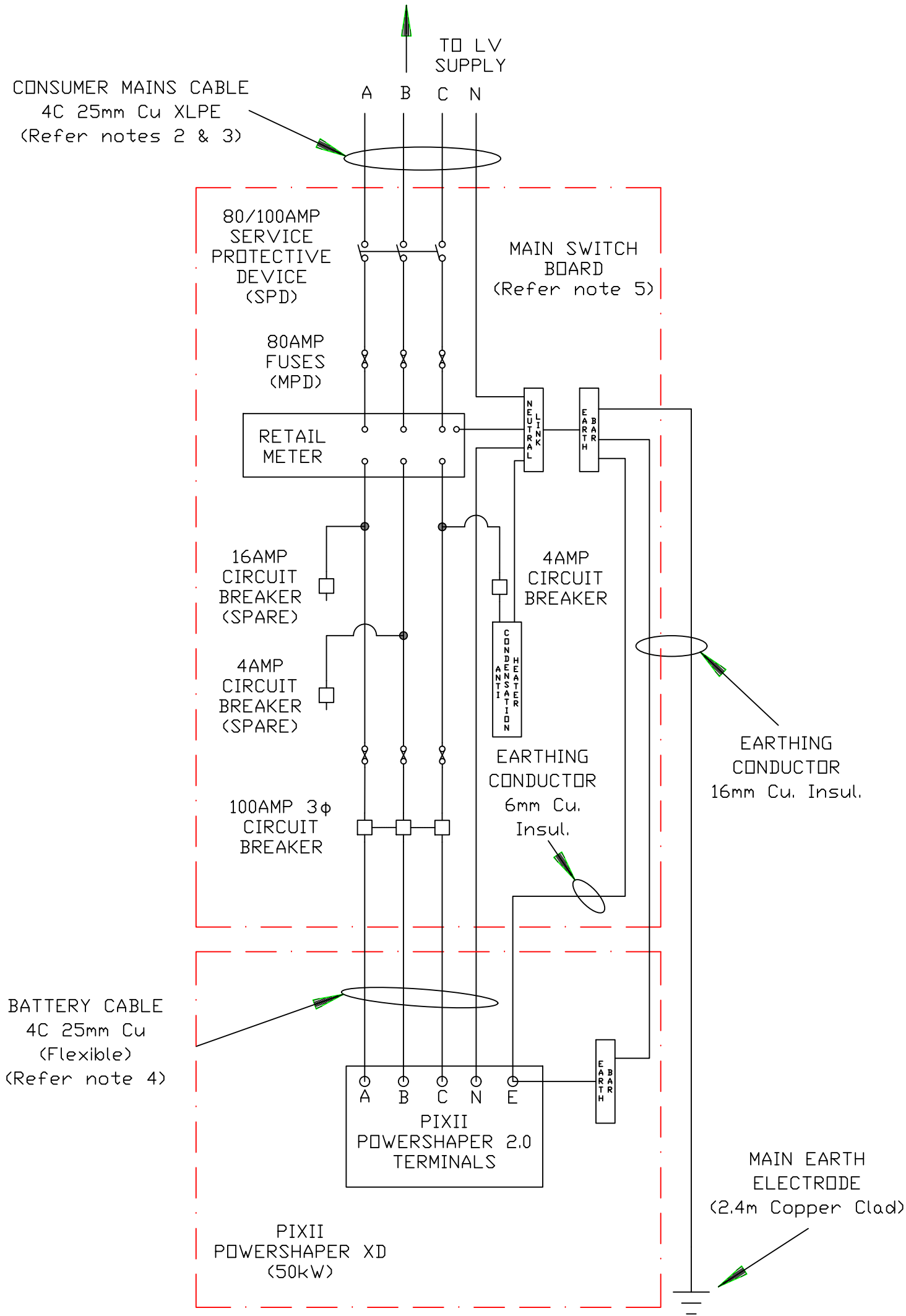
AUTHORISED/CERTIFIED K. SHANAHAN

ENGINEERING DELIVERY MANAGER 14.10.2024

A2

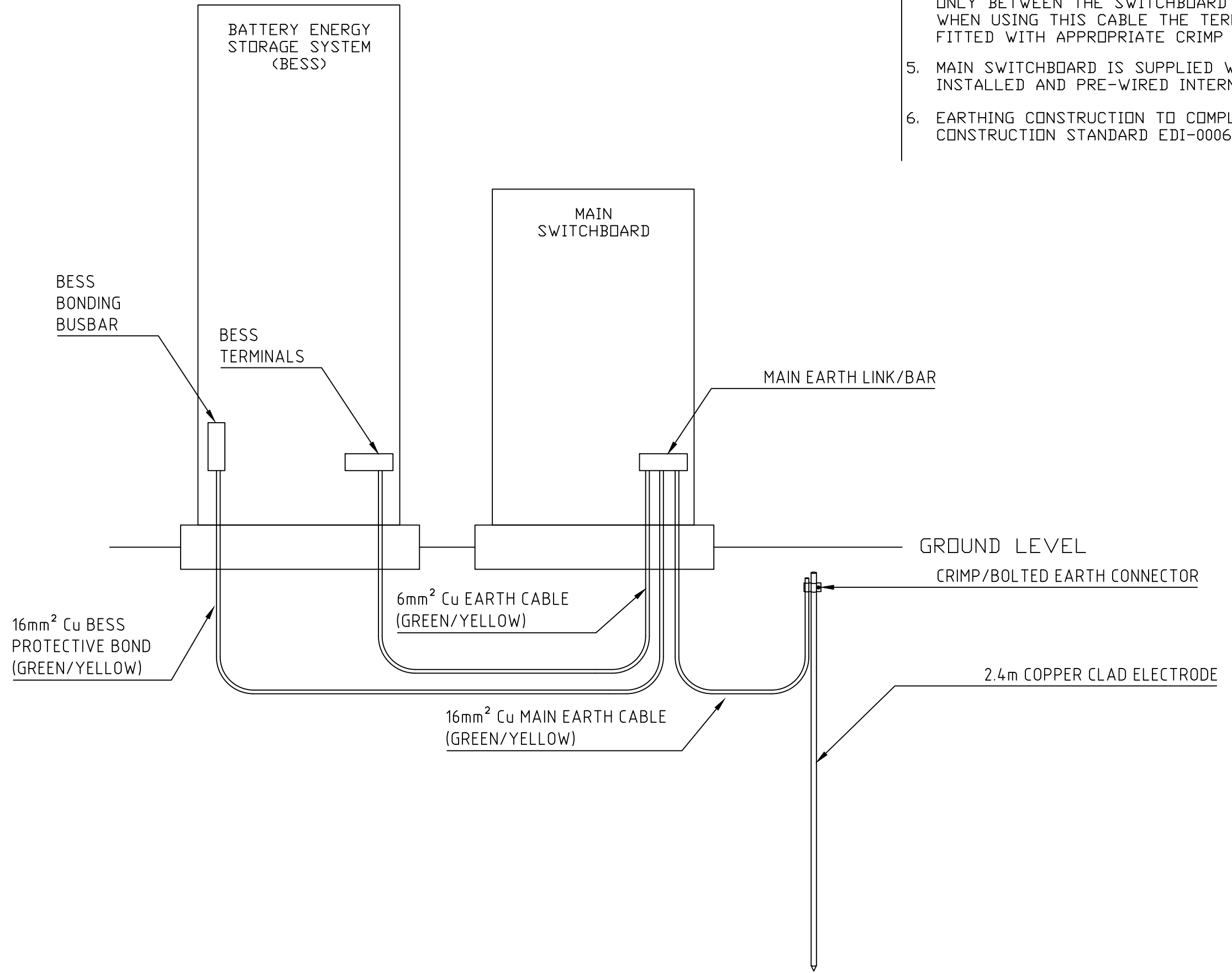
534470

SHEET No 3 OF 5 SHEETS



CIRCUIT DIAGRAM
PIXII POWERSHAPER XD
(SINGLE UNIT 50kW TOTAL)

EARTHING ARRANGEMENT
SINGLE UNIT
(Refer Note 6)



NOTES

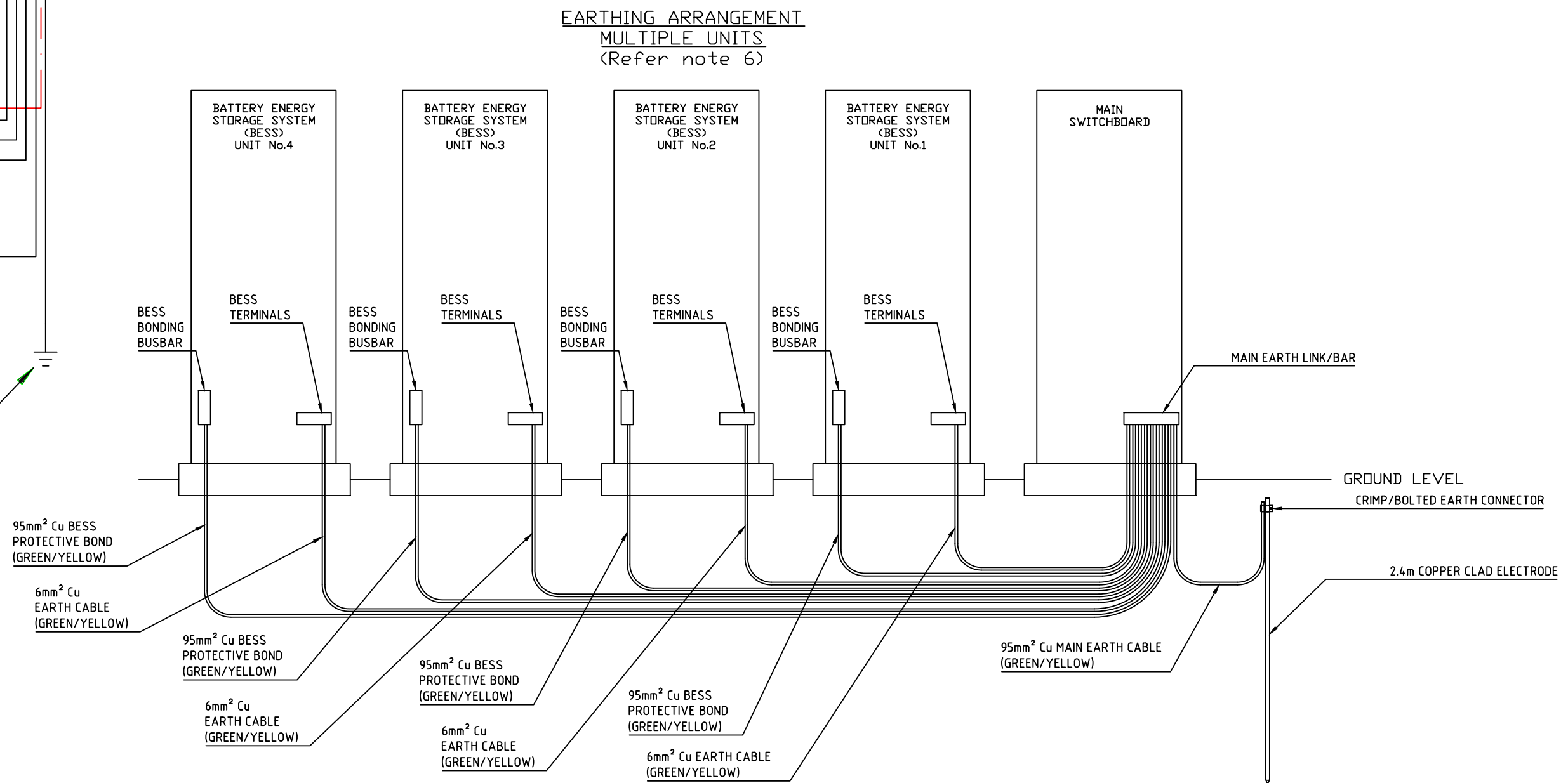
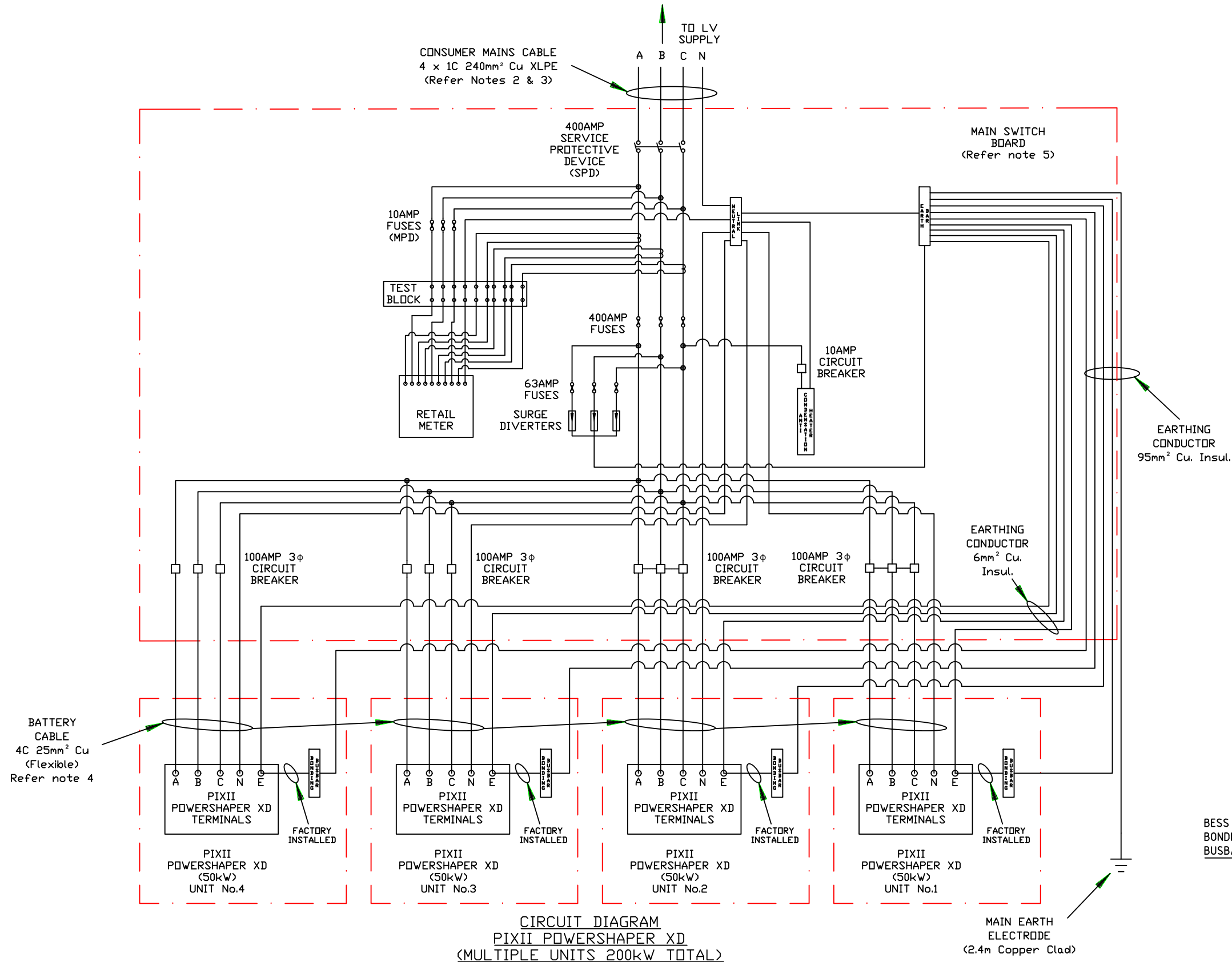
- THIS DRAWING TO BE USED IN CONJUNCTION WITH THE RELEVANT ENDEAVOUR ENERGY BATTERY SPECIFICATION
- CONSUMER MAINS CABLE TO BE <50m IN LENGTH, SIZED APPROPRIATELY FOR CURRENT RATING & VOLTAGE DROP AND INSTALLED IN ACCORDANCE WITH MDI0031 & MCi0006.
- CONSUMER MAINS TO BE TERMINATED TO A DEDICATED LV LINK AT THE GRID CONNECTION POINT TO PROVIDE A NETWORK ISOLATION OF THE INSTALLATION. NO OTHER CONNECTIONS ARE TO MADE TO THE DEDICATED LINK & A LABEL IDENTIFYING A BATTERY CONNECTION IS TO BE APPLIED TO THE LINK AND THE PILLAR LID.
- A MULTI CORE FLEXIBLE CABLE IS APPROVED FOR USE ONLY BETWEEN THE SWITCHBOARD AND THE BESS UNIT. WHEN USING THIS CABLE THE TERMINATIONS MUST BE FITTED WITH APPROPRIATE CRIMP FERRULES.
- MAIN SWITCHBOARD IS SUPPLIED WITH ALL EQUIPMENT INSTALLED AND PRE-WIRED INTERNALLY (EXCL. METER).
- EARTHING CONSTRUCTION TO COMPLY WITH EARTHING CONSTRUCTION STANDARD EDI-0006 AND THIS DRAWING.

AMENDMENTS	JOB No -	DESIGN	DRN	CHD	DATE	APP'D	HISTORY REVISION A ORIGINAL ISSUE	REFERENCE DRAWINGS		AUTHORISED/CERTIFIED K. SHANAHAN	
	1							DO NOT SCALE DIMENSIONS IN MILLIMITRES		ENGINEERING DELIVERY MANAGER	
								PIXII POWERSHAPER XD COMMUNITY BATTERY AND MAIN SWITCHBOARD - SINGLE (50kW) AND MULTIPLE UNIT (200kW) GENERAL ARRANGEMENT, ELECTRICAL AND EARTHING DETAIL		14.10.2024	
								A2		534470	
								SHEET No 4 OF 5 SHEETS			

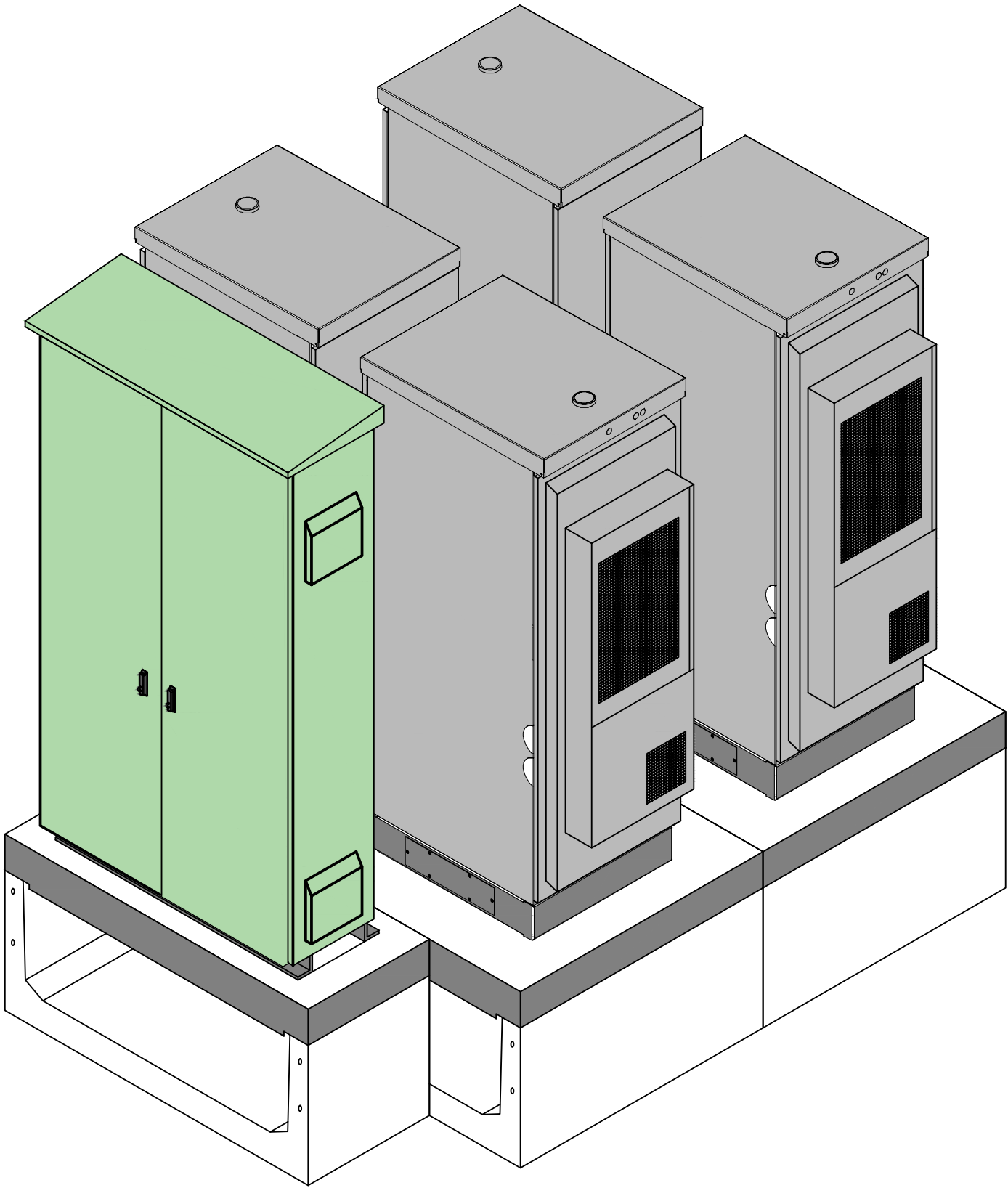
Civil version 3.0

NOTES

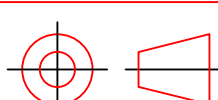
1. THIS DRAWING TO BE USED IN CONJUNCTION WITH THE RELEVANT ENDEAVOUR ENERGY BATTERY SPECIFICATION
2. CONSUMER MAINS CABLE TO BE <50m IN LENGTH, SIZED APPROPRIATELY FOR CURRENT RATING & VOLTAGE DROP AND INSTALLED IN ACCORDANCE WITH MDI0031 & MCI0006.
3. CONSUMER MAINS TO BE TERMINATED TO A DEDICATED LV LINK AT THE GRID CONNECTION POINT TO PROVIDE A NETWORK ISOLATION OF THE INSTALLATION. NO OTHER CONNECTIONS ARE TO MADE TO THE DEDICATED LINK & A LABEL IDENTIFYING A BATTERY CONNECTION IS TO BE APPLIED TO THE LINK AND THE PILLAR LID.
4. A MULTI CORE FLEXIBLE CABLE IS APPROVED FOR USE ONLY BETWEEN THE SWITCHBOARD AND THE BESS UNIT. WHEN USING THIS CABLE THE TERMINATIONS MUST BE FITTED WITH APPROPRIATE CRIMP FERRULES.
5. MAIN SWITCHBOARD IS SUPPLIED WITH ALL EQUIPMENT INSTALLED AND PRE-WIRED INTERNALLY (EXCL. METER).
6. EARTHING CONSTRUCTION TO COMPLY WITH EARTHING CONSTRUCTION STANDARD EDI-0006 AND THIS DRAWING.



AMENDMENTS		DESIGN		CH/D		DATE		APP'D		HISTORY		REVISION A		ORIGINAL ISSUE	
A															
Civil version 3.0		1		2		3		4		5		6		7	



AMENDMENTS	JOB No -	DESIGN	DRN	CH'D	DATE	APP'D
HISTORY	REVISION A					
	ORIGINAL ISSUE					
	A					

				XOLTA BATTERY CABINET FOOTING DETAIL		527285	
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				REFERENCE DRAWINGS			
		ORIGINAL SCALE NTS	APPROVED A.W	DO NOT SCALE DIMENSIONS IN MILLIMITRES		AUTHORISED/CERTIFIED K. SHANAHAN	
DESIGNED	D.Giles	DATE	27.05.2024	PIXII POWERSHAPER 2.0 COMMUNITY BATTERY AND MAIN SWITCHBOARD - SINGLE AND MULTIPLE UNIT GENERAL ARRANGEMENT, ELECTRICAL AND EARTHING DETAIL			
DRAWN	27.05.2024						
CHECKED	R.D						
				A2		ENGINEERING DELIVERY MANAGER	27.05.2024
						532937	
						SHEET No 4 OF 4 SHEETS	

