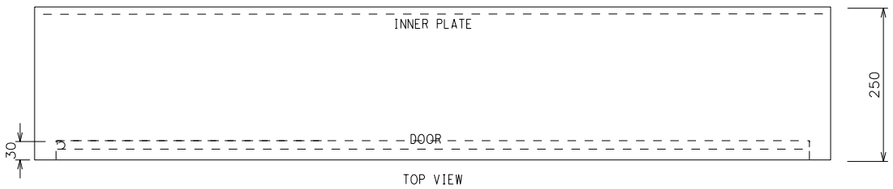
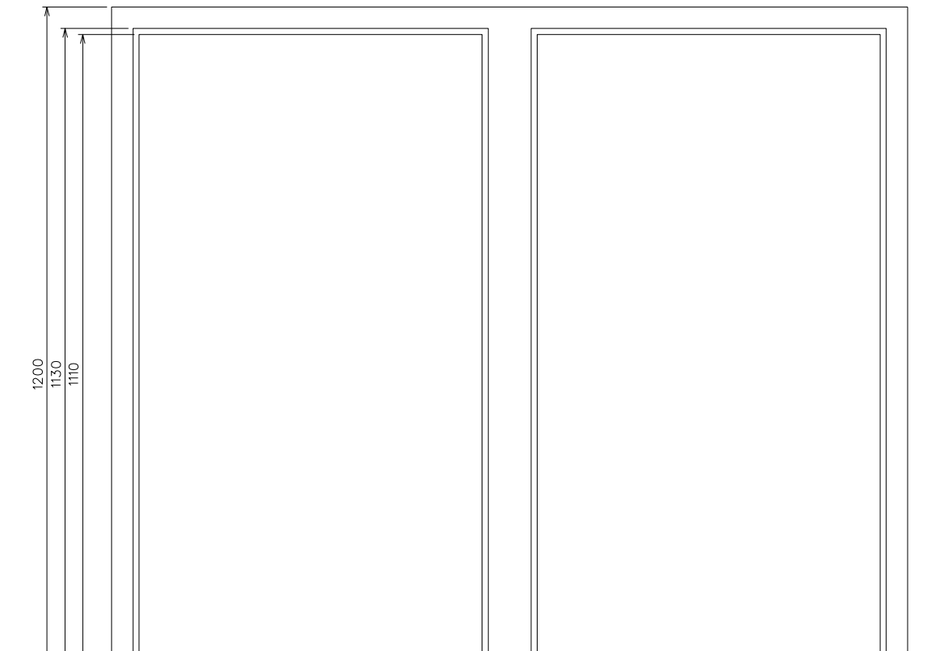
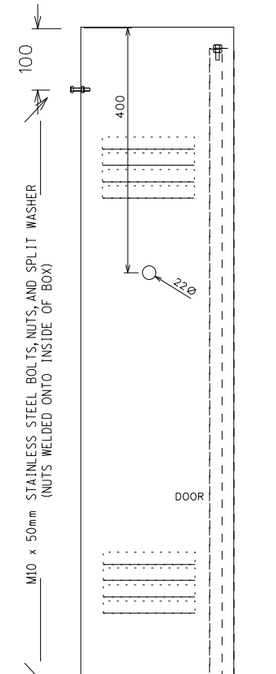






NOTE:

1. THE ENTIRE KIOSK (EXCEPT THE GLAND PLATE & BASE) SHALL BE MANUFACTURED FROM 1.5mm 3CR12.
2. THE DOOR SURROUNDS SHALL INCORPORATE A SPLASH PROOF 10mm LIP AROUND THE ENTIRE PERIMETER.
3. THE DOORS SHALL BE MOUNTED FLUSH TO THE SPLASH-PROOF LIP.
4. 22mm DIAMETER HOLEs SHALL BE PROVIDED WITH A RUBBER / PLASTIC COVER ON THE SIDEs OF THE KIOSK
5. THE HINGES OF THE DOOR (STUD AND BOLT) SHALL BE AT LEAST 10mm IN DIAMETER.
6. THE EARTH STUD SHALL BE A M10 30mm STAINLESS STEEL SET SCREW, NUT AND SPRINGWASHER. THE SET SCREW SHALL BE WELDED ONTO THE BOTTOM OF THE KIOSK
7. VENTILATING LOUVRES SHALL BE INSTALLED ON BOTH SIDES OF THE KIOSK. THE EFFECTIVE WIDTH SHALL BE 150mm AND INCORPORATE AT LEAST FIVE LOUVRES.
8. THE GAPS IN THE LOUVRES SHALL BE BETWEEN 2 AND 5mm. A UV STABILSED PLASTIC MESH WITH OPENINGS SMALLER THAN 2mm SHALL BE FITTED ONTO THE BACK OF THE LOUVRES.
9. FOUR 12MM DIAMETER HOLES SHALL BE PROVIDED AT THE BACK WHERE M10 50MM NUTS AND BOLTS WILL BE FITTED FOR THE FITMENT OF THE KIOSK TO A POLE/ STRUCTURE
10. THE KIOSK SHALL BE POWDER COATED WITH LIGHT NAVY GREY POLYESTER POWDER (SANS COLOUR CODE G35).

REV	REVISION DESCRIPTION	BY	CHKD	APP	DATE

PROJECT APPROVED	DESIGN APPROVED R MOSHOESHOE	Eskom	Eskom Holdings SOC Ltd Reg No 2002/015527/30
DATE	DATE 19/07/2021		
PROJECT CHECKED	DESIGN CHECKED C.v REENEN		MANUFACTURING DETAIL OF FOUR WAY ENERGISER KIOSK KIOSK ©
DATE	DATE 14/07/2021		
PROJECT DRAWN BY	DESIGN DRAWN BY R.VILJOEN		SHEET NUMBER 1 / REVISION 0
DATE	DATE 06/07/2021		
	SCALE 1:5		

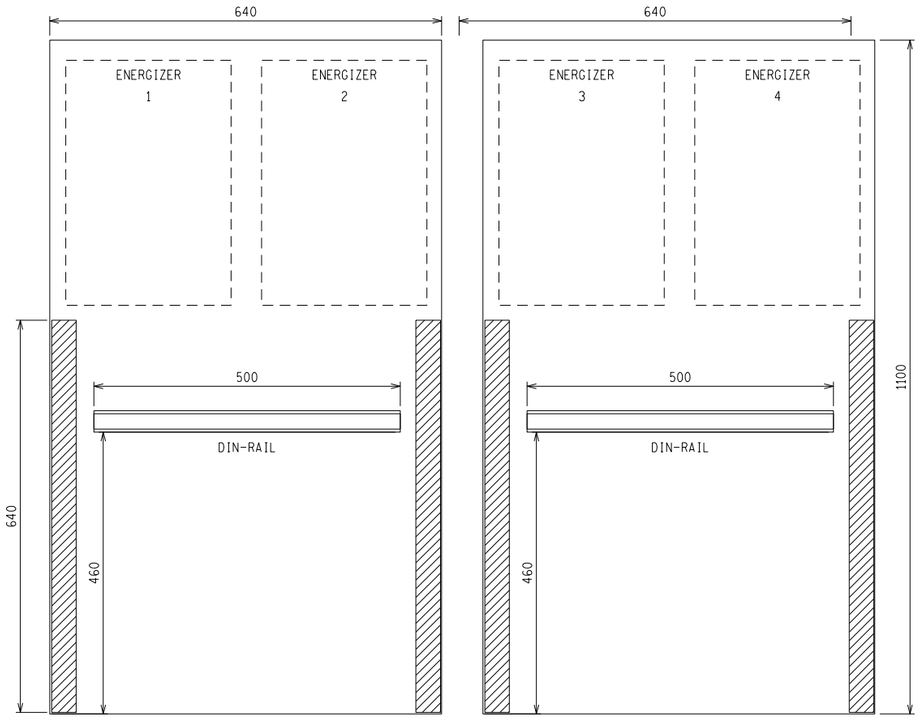
REV	REVISION TO MASTER	BY	CHKD	APP	DATE

LEVELS 1 2 10 31

PANEL TYPE DESIGNATION

SIZE GROOTTE A1L

MASTER FILED UNDER 0.52/30123 SHEET 1 OF 6 REVISION 0



FRONT VIEW OF INNER PLATES

3rd ANGLE

NOTES:

1. THE INNER PLATE SHALL HAVE 10mm BENDS ON ALL SIDES.
2. THE INNER PLATE SHALL BE POWDER COATED WITH A WHITE EPOXY-POLYESTER POWDER (SANS COLOUR CODE 69-0135)
3. THE DIN-RAIL SHALL BE FITTED BY STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS, SCREWS AND SPRING WASHERS, RIVETS OR SPOT WELDED.
4. THE INNER PLATE SHALL BE FITTED ONTO THE BOX BY MEANS OF FOUR M8 STAINLESS STEEL SET SCREWS, NUTS AND SPRING WASHERS.
5. STAINLESS STEEL OR BRASS SELF CLINCHING NUTS OR RIVET NUTS WITH AN M5 THREAD SIZE TOGETHER WITH M5 BRASS SET SCREWS SHALL BE INSTALLED ON THE HOLES USED FOR THE FITMENT OF THE ENERGIZERS, ISOLATION SWITCHES AND LIGHTNING DIVERTERS.
6. 40 MM WIDE TRUNKING SHALL BE INSTALLED ON BOTH SIDES FOR THE ROUTING OF THE WIRING AND HIGH VOLTAGE ARMOURED CABLE.

REV	REVISION DESCRIPTION	BY	CHKD	APP	DATE

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DATE	DATE 14/07/2021		
PROJECT DRAWN BY	DESIGN DRAWN BY R.VILJOEN	©	MANUFACTURING DETAIL OF FOUR WAY ENERGISER KIOSK INNER PLATE
DATE	DATE 06/07/2021		SHEET NUMBER 2 / REVISION 0
SCALE 1:5			

LEVELS 1 2 10 31 PANEL TYPE DESIGNATION

SIZE GROOTTE A1L

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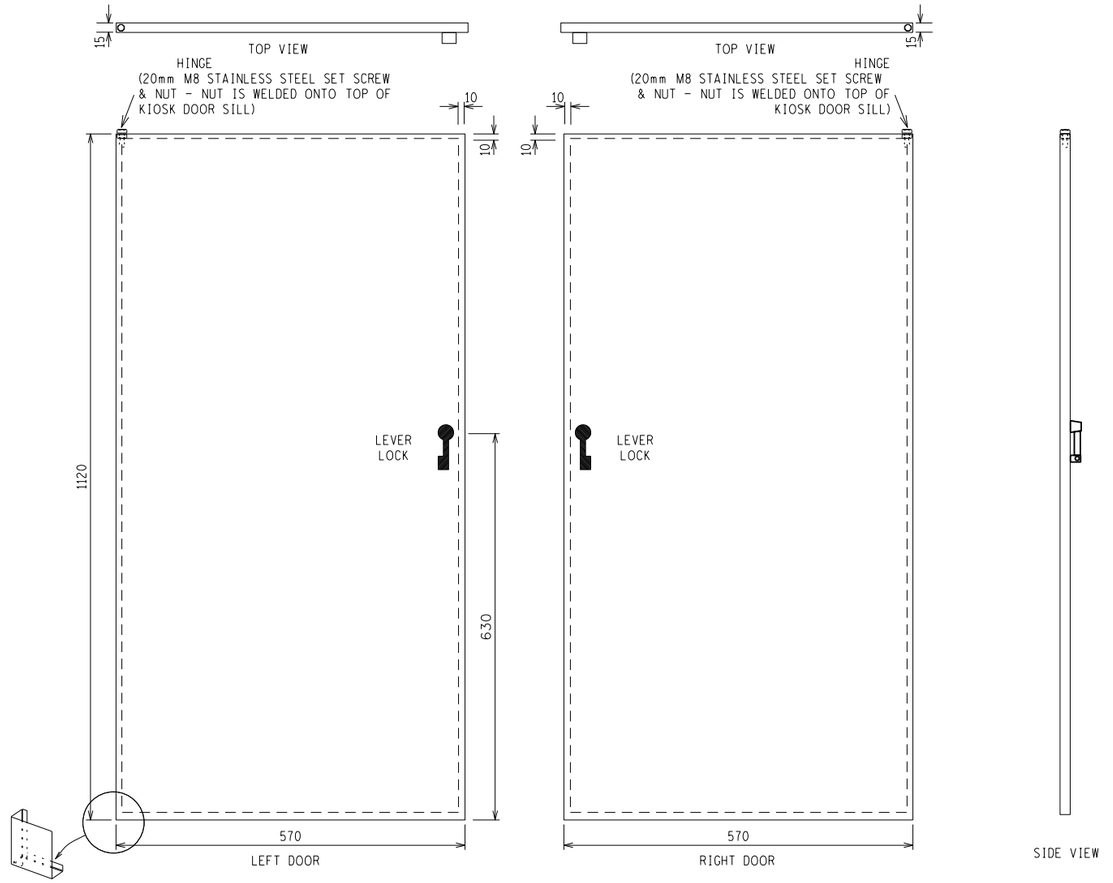

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DATE	DATE 14/07/2021		
PROJECT DRAWN BY	DESIGN DRAWN BY R.VILJOEN	MANUFACTURING DETAIL OF FOUR WAY ENERGISER KIOSK DOORS	
DATE	DATE 06/07/2021	©	SHEET NUMBER 3 / REVISION 0
SCALE 1:5			

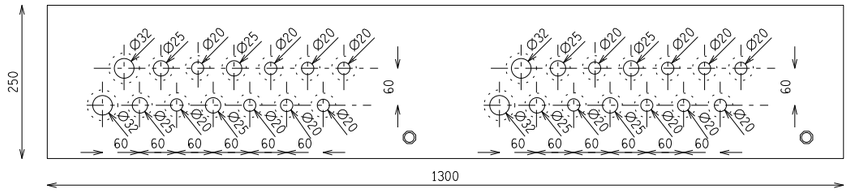
REV	REVISION TO MASTER	BY	CHKD	APP	DATE

LEVELS 1 2 10 31

PANEL TYPE DESIGNATION

SIZE GROOTTE A1L

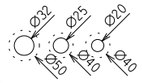
MASTER FILED UNDER 0.52/30123 SHEET 3 OF 6 REVISION 0



VIEW AS FROM FRONT AND INSIDE KIOSK

NOTES:

AN AREA SURROUNDING THE KNOCK-OUTS (AS INDICATED BY THE DOTTED CIRCLES) SHALL NOT BE POWDER COATED. THESE SHALL BE LEFT AS BARE 3CR12.



NOTES:

1. THE GLAND PLATE WILL FORM PART OF THE KIOSK AND SHALL BE MANUFACTURED FROM 1.5mm THICK 3CR12
2. ALL OF THE HOLES SHALL BE FITTED WITH SQUARE KNOCK-OUTS AND SHALL BE WELDED ONTO THE BOTTOM OF THE KIOSK AT ONLY ONE CORNER.
3. THE EARTH STUD SHALL BE A 30mm M10 STAINLESS STEEL SET SCREW, NUT AND SPRING WASHERS WELDED ONTO THE GLAND PLATE.

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DATE	DATE 14/07/2021		
PROJECT DRAWN BY	DESIGN DRAWN BY R.VILJOEN		SHEET NUMBER 4 / REVISION 0
DATE	DATE 06/07/2021		
SCALE 1:5			

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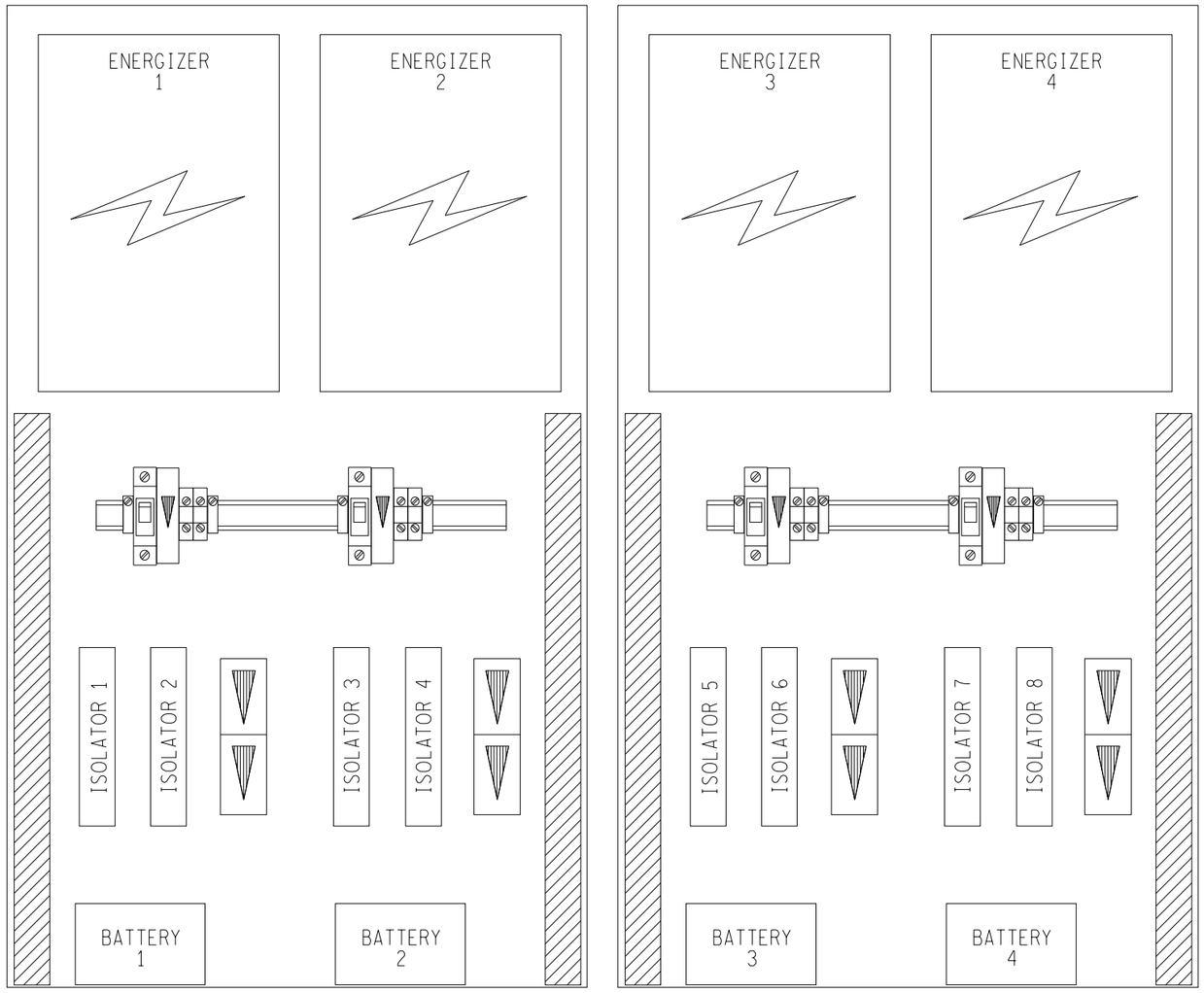
LEVELS 1 2 10 31 PANEL TYPE DESIGNATION

SIZE GROOTTE A1L



LEGEND	DESCRIPTION	MAKE AND TYPE
ENERGIZER 1	ENERGIZER PEAK VOLTAGE 7.5kV - 10kV ENERGY OUTPUT 5J - 8J	ESKOM APPROVED
	MINIATURE CIRCUIT BREAKER 230V, 5A	ESKOM APPROVED
ISOLATOR 1	HEAVY DUTY CUT-OUT SWITCH	ESKOM APPROVED
	LIGHTNING DIVERTER DOUBLE POLE, MAXIMUM INTERNAL ARC OVER VOLTAGE OF 20kV	ESKOM APPROVED
	TERMINAL 35mm	ESKOM APPROVED
	END STOP	ESKOM APPROVED
	SURGE ARRESTOR: Imax (8/20ms) 40kA or 65kA (4/20ms) 275V (SINGLE POLE DIN) SANS IEC 61643-1	ESKOM APPROVED
BATTERY	BACKUP BATTERY 12V, 7AH	ESKOM APPROVED

NOTES:

1. THE BATTERIES FOR THE BACKUP SUPPLY SHALL BE FITTED ON THE BOTTOM OF THE KIOSK.
2. A TRANPARENT PLASTIC COVER SHALL BE INSTALLED OVER THE ISOLATION SWITCHES. OPERATING OF THE SWITCHES SHALL BE POSSIBLE WITHOUT REMOVING THE PLASTIC COVER.
3. THE SWITCHES SHALL SWITCH ONTO EARTH WHEN OPENED.

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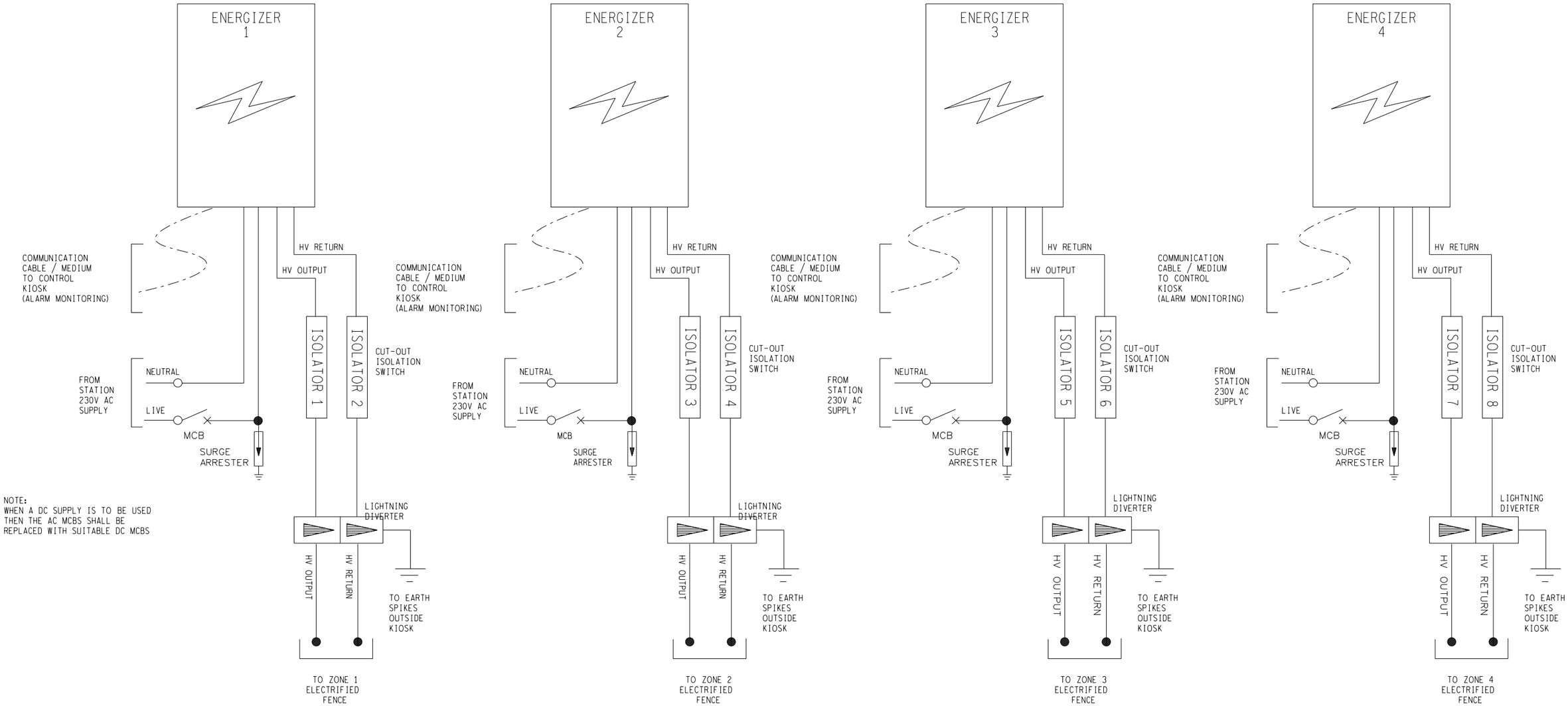
DATE	DATE 14/07/2021		
PROJECT DRAWN BY	DESIGN DRAWN BY R.VILJOEN	©	MANUFACTURING DETAIL OF FOUR WAY ENERGISER KIOSK EQUIPMENT LAYOUT
DATE	DATE 06/07/2021		SHEET NUMBER 5 / REVISION 0
SCALE			

LEVELS 1 2 10 31

PANEL TYPE DESIGNATION

SIZE GROOTTE A1L

MASTER FILED UNDER 0.52/30123 SHEET 5 OF 6 REVISION 0



NOTE:
WHEN A DC SUPPLY IS TO BE USED THEN THE AC MCBS SHALL BE REPLACED WITH SUITABLE DC MCBS

NOTES:

1. THE LV WIRING SHALL BE 4mm SQUARE COLOUR CODED PVC INSULATED CABLES.
2. THE EARTH WIRE BETWEEN THE ENERGIZERS AND THE EXTERNAL EARTH SPIKES SHALL BE A 16mm SQUARE GREEN AND YELLOW PVC INSULATED UV STABILISED CABLE.
3. THE HV WIRING FROM THE ENERGIZERS SHALL BE 2mm DIAMETER DOUBLE INSULATED ARMOURED UV STABILISED CABLE.

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DATE	DATE 19/07/2021	
PROJECT CHECKED	DESIGN CHECKED: C.v REENEN	MANUFACTURING DETAIL OF FOUR WAY ENERGISER KIOSK ELECTRICAL WIRING ©
DATE	DATE 14/07/2021	
PROJECT DRAWN BY	DESIGN DRAWN BY: R.VILJOEN	SHEET NUMBER: 6 / REVISION: 0
DATE	DATE 06/07/2021	
SCALE		

LEVELS 1 2 ... 10 ... 31

PANEL TYPE DESIGNATION

SIZE GROOTTE A1L

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