## **ELECTRICAL DESIGN GROUP**

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## C3379a - THE LION RICHLANDS - CARPARK UPGRADE DISTRIBUTION BOARD DB-M (MDB-1 SWITCHROOM) REVISION B - 17 OCTOBER 2025

C3379a-0004(B).xls

				KEV
FAULT CURRENT:	6KA USING CASCADING	MAIN SWITCH:	250A NON AUTO LOAD BREAK	Α
CHASSIS SIZE:	60 POLE	SUPPLIED FROM:	MDB-1	Α
CHASSIS RATING:	250A	SUPPLY CABLE:	4C70	Α
PHASES:	3			Α

PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS

CIRC	PH	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	A
		BREAKER (amps)	EQUIPMENT	SIZE ( mm <sup>2</sup> )		USE	Α
P1	1	20	RCBO	2.5	SWITCHROOM	GPO	Α
P2	1	20	RCBO	2.5	SWITCHROOM	FAN	F
P3	1	20	RCBO	2.5	SWITCHROOM	PUMP	F
P4	1	20	RCBO	2.5	SWITCHROOM	GENERATOR BUS REFERANCE VOLTAGE	A
P5	1	20	RCBO	2.5	SWITCHROOM	GENERATOR BATTERY CHARGER	A
P6	1	20	RCBO	2.5	SWITCHROOM	GENERATOR CONTROL SYSTEM UPS	A
P7	1	20	RCBO	2.5	SWITCHROOM	MDB-1 ANTI CONDENSATION HEATERS	P
P8 1	1	20	RCBO	2.5	SWITCHROOM	RACK	E
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L1	1	20	RCBO	2.5	SWITCHROOM	LIGHTS	A
L2	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	Å
L3	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	SHADE STRUCTURE	P
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	BUILDING LIGHTS	Å
L5	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A
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