



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: www.edg.net.au Email: brisbane@edg.net.au

**C3379a - THE LION RICHLANDS - CARPARK UPGRADE**  
**DISTRIBUTION BOARD DB-M (MDB-1 SWITCHROOM)**  
**REVISION A - 14 FEBRUARY 2025**

C3379a-0004(A).xls

FAULT CURRENT: 6KA USING CASCADING CHASSIS SIZE: 60 POLE CHASSIS RATING: 250A PHASES: 3							MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: MDB-1 SUPPLY CABLE: 4C70	REV
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								A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	REV	
P1	1	20	RCBO	2.5	SWITCHROOM	GPO	A	
P2	1	20	RCBO	2.5	SWITCHROOM	FAN	A	
P3	1	20	RCBO	2.5	SWITCHROOM	PUMP	A	
P4	1	20	RCBO	2.5	SWITCHROOM	GENERATOR BUS REFERENCE 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	A	
							A	
							A	
							A	
							A	
							A	
L1	1	20	RCBO	2.5	SWITCHROOM	LIGHTS	A	
L2	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
L3	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	SHADE STRUCTURE	A	
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	BUILDING LIGHTS	A	
L5	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	