



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3379a - THE LION RICHLANDS - CARPARK UPGRADE

C3379a-0005(B).xls

DISTRIBUTION BOARD DB-T (TANK ROOM)

REVISION B - 20 JUNE 2025

							REV	
FAULT CURRENT:		6KA USING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		60 POLES			SUPPLIED FROM:		MDB-1	A
CHASSIS RATING:		250A			SUPPLY CABLE:		4C70	A
PHASES:		3						A
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		
P1	1	20	RCBO	2.5	TANK ROOM	CR-T	A	
P2	3	40		6.0	TANK ROOM	MSSB-T	A	
P3	3	20	RCBO	2.5	TANK ROOM	STORM WATER	A	
P4	1	20	RCBO	2.5	TANK ROOM	GPO	A	
P5	1	20	RCBO	2.5	TANK ROOM	HYD PUMP 1	A	
P6	1	20	RCBO	2.5	TANK ROOM	HYD PUMP 2	A	
P7	3	20	RCBO	2.5	TANK ROOM	HYD JACK 1	A	
P8	3	20	RCBO	2.5	TANK ROOM	HYD JACK 2	A	
P9	1	20	RCBO	2.5	TANK ROOM	SPK PUMP 1	A	
P10	1						B	
P11	3	20	RCBO	2.5	TANK ROOM	SPK JACK 1	A	
P12							B	
L1	1	20	RCBO	2.5	TANK ROOM	LIGHTS	A	
L2	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	SHADE SALES	A	
L3	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
L4	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
L5	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
L6	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	POLE LIGHTS	A	
L7	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	GARDEN LIGHTS	A	
L8	1	20	RCBO PE ON DUSK OFF DAWN	2.5	CARPARK	GARDEN LIGHTS	A	

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