



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375 Fax: (07) 3716 0222

Web Site: www.edg.net.au Email: brisbane@edg.net.au

C3687a - FLEXIBLE LEARNING CENTRE, BOWEN

C3687a-0004(A).xls

DISTRIBUTION BOARD DB-B

REVISION A - 23 MAY 2026

							REV
FAULT CURRENT:		6KA		MAIN SWITCH:		160A NON AUTO	A
CHASSIS SIZE:		96 POLES		SUPPLIED FROM:		LOAD BREAK	A
CHASSIS RATING:		250A		SUPPLY CABLE:		ISOLATOR	A
PHASES:		3				SITE MSB	A
						4C 70	A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL EACH CIRCUIT BREAKER WITH THE USE AND THE POSITION. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	A
P1	1	20	RCBO	2.5	PLANT ROOM	CR-B	A
P2	1	20	RCBO	2.5	PLANT ROOM	SECURITY	A
P3	3	20	RCBO	2.5	MAINTENANCE	FUTURE RSD	A
P4	1	20	RCBO	2.5	MAINTENANCE	GPO	A
P5	1	20	RCBO	2.5	GLA 2	GPO	A
P6	1	20	RCBO	2.5	AMENITY	3.6KW HWS	A
P7	1	20	RCBO	2.5	GENERAL	GPO	A
P8	1	20	RCBO	2.5	FLA 2	GPO	A
P9	1	20	RCBO	2.5	FLA 1		A
P10	1	20	RCBO	2.5	GLA 3		A
P11	1	20	RCBO	4.0	EXTERNAL	COMMS CU	A
P12	1	32	RCBO	4.0	EXTERNAL	CU 1	A
P13	1	32	RCBO	4.0	EXTERNAL	CU 2	A
P14	1	32	RCBO	4.0	EXTERNAL	CU 3	A
P15	1	32	RCBO	4.0	EXTERNAL	CU 4	A
P16	1	32	RCBO	4.0	EXTERNAL	CU 5	A
P17	1	32	RCBO	4.0	EXTERNAL	CU 6	A
P18	1	20	RCBO	2.5	GENERAL	OUTSIDE AIR FAN	A
P19	1	20	RCBO TC ON 7.00AM OFF 10.00PM	2.5	AMENITY	TOILET EXHAUST	A
P20	1	20	RCBO	2.5	LAUNDRY	WM	A
P21	1	20	RCBO	2.5	LAUNDRY	DRYER	A
P22	1	20	RCBO	2.5	LAUNDRY	GPO	A
P23	3	20	RCBO	2.5	LAUNDRY	3X3.6KW HWS	A
P24	3	20	RCBO	2.5	KITCHEN	EXHAUST FAN	A
P25	1	20	RCBO	2.5	KITCHEN	REF	A
P26	1	20	RCBO	2.5	KITCHEN	REF	A
P27	3	20	RCBO	2.5	KITCHEN	11.7KW COMBIE	A
P28	3	40	RCBO	6.0	KITCHEN	20KW COOK TOP	A
P29	1	20	RCBO	2.5	KITCHEN	GPO	A
P30	1	20	RCBO	2.5	KITCHEN	GPO	A
P31	1	20	RCBO	2.5	KITCHEN	OUTSIDE AIR FAN	A
P32	1	20	RCBO	2.5	KITCHEN	DISHWASHER	A
P33	1	20	RCBO	2.5	KITCHEN	MW	A
P34	1	20	RCBO	2.5	KITCHEN	AUTO BOILER	A
P35	1	20	RCBO	2.5	KITCHEN	BAINE MARIE	A
P36	1	20	RCBO	2.5	KITCHEN	BAINE MARIE	A
P37	1	20	RCBO	2.5	COVERED AREA	DRINK FOUNTAIN	A
							A
							A
							A
							A
							A



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CHASSIS RATING:		250A	SUPPLY CABLE:		4C 70		A	
PHASES:		3						A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL EACH CIRCUIT BREAKER WITH THE USE AND THE POSITION. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	A	
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	A	
L2	1	20	RCBO	2.5	COVERED AREA	LIGHTS	A	
L3	1	20	RCBO	2.5	KITCHEN	LIGHTS	A	
L4	1	20	RCBO	2.5	MAINTENANCE	LIGHTS	A	
L5	1	20	RCBO	2.5	AMENITY	LIGHTS	A	
L6	1	20	RCBO	2.5	GLA 3	LIGHTS	A	
L7	1	20	RCBO	2.5	COVERED AREA	FAN	A	
L8	1	20	RCBO	2.5	FLA 1	LIGHTS	A	
L9	1	20	RCBO	2.5	FLA 2	LIGHTS	A	
L10	1	20	RCBO	2.5	GLA 2	LIGHTS	A	
							A	
							A	
							A	
							A	
							A	
							A	