



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

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C3234a - 185 SAMFORD ROAD, ENOGGERA
DISTRIBUTION BOARD DB-C (LEVEL 1 NORTH)
REVISION 1 - 09 MAY 2025

C3234a-0007(1).xls

							REV	
FAULT CURRENT:		6KA USING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK	1
CHASSIS SIZE:		REFER TO THE DB-C SCHEMATIC			SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A			SUPPLY CABLE:		1C120AL	1
PHASES:		3						A
REFER TO THE DB-C SCHEMATIC FOR ADDITIONAL CONFIGURATION REQUIREMENTS. 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. PROVIDE AN ENERGY MONITORING SYSTEM OF THE LIGHTING CHASSIS AND POWER CHASSIS AS PER J9D3 OF THE NCC BCA 2022 THAT COLLATES THE TIME-OF-USE ENERGY DATA TO A SINGLE INTERFACE WHERE IT CAN BE STORED, ANALYSED AND REVIEWED							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P1	1	20	RCBO	2.5	LEVEL 2	FIP	A	
P2	3	40	TYPE B CURVE METER M4	6.0	LEVEL 2	LIFT 1	A	
P3	3	40	TYPE B CURVE METER M4	6.0	LEVEL 2	LIFT 2	A	
P4	1	20	RCBO	2.5	LEVEL 2	ENTRY GPO	A	
P5	1	20	RCBO	2.5	LEVEL 2	TV	A	
P6	1	20	RCBO	2.5	LEVEL 2	TV	A	
P7	1	20	RCBO	2.5	LEVEL 2	CLEANING MAINT	A	
P8	1	20	RCBO	2.5	LEVEL 2	AMENITY	A	
P9	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	A	
P10	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	A	
P11	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	A	
P12	1	20	RCBO	2.5	LEVEL 2	DINING	A	
P13	1	20	RCBO	2.5	LEVEL 2	GARDEN ROOM	A	
P14	1	20	RCBO	2.5	LEVEL 2	TV	A	
P15	1	20	RCBO	2.5	TERRACE	CLEANING	A	
P16	1	20	RCBO	2.5	BAR	CLEANING	A	
P17	1	20	RCBO	2.5	COURTYARD	CLEANING	A	
P18	1	20	RCBO	2.5	BAR	TV	A	
P19	1	20	RCBO	2.5	TERRACE	BLINDS	A	
P20	1	20	RCBO	2.5	BAR	REF	A	
P21	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A	
P22	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A	
P23	1	20	RCBO	2.5	KITCHEN	ICE	A	
P24	1	20	RCBO	2.5	KITCHEN	GAS CONTROL	A	
P25	1	20	RCBO	2.5	KITCHEN	GPO	A	
P26	1	20	RCBO	2.5	KITCHEN	15A GPO	A	
P27	1	25	RCBO	4.0	KITCHEN	SALAMANDA	A	
P28	3	20	RCBO	2.5	KITCHEN	DISHWASHER	A	
P29	1	25	RCBO	4.0	KITCHEN	PIZZA	A	
P30	1	20	RCBO	2.5	KITCHEN	GLASS WASHER	A	
P31	1	20	RCBO	2.5	KITCHEN	COOL ROOM	A	
P32							1	
P33	1	20	RCBO	2.5	KITCHEN	POS	A	
P34	1	20	RCBO	2.5	KITCHEN	REF	A	
P35	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A	
P36	3	20	RCBO	2.5	KITCHEN	10.8KW COMBI	A	
P37	3	20	RCBO	2.5	KITCHEN	10.8KW COMBI	A	
P38	3	40	RCBO	6.0	KITCHEN	20.5KS COMBI	A	
P39	1	20	RCBO	2.5	KITCHEN	REF	A	
P40	1	20	RCBO	2.5	KITCHEN	REF	A	
P41	1	25	RCBO	4.0	KITCHEN	PIZZA	A	



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DISTRIBUTION BOARD DB-C (LEVEL 1 NORTH)
REVISION 1 - 09 MAY 2025

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FAULT CURRENT: 6KA USING CASCADING							REV
MAIN SWITCH: 250A NON AUTO LOAD BREAK							1
CHASSIS SIZE: REFER TO THE DB-C SCHEMATIC							A
SUPPLIED FROM: MSB							1
CHASSIS RATING: 250A							A
SUPPLY CABLE: 1C120AL							
PHASES: 3							
REFER TO THE DB-C SCHEMATIC FOR ADDITIONAL CONFIGURATION REQUIREMENTS. 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. PROVIDE AN ENERGY MONITORING SYSTEM OF THE LIGHTING CHASSIS AND POWER CHASSIS AS PER J9D3 OF THE NCC BCA 2022 THAT COLLATES THE TIME-OF-USE ENERGY DATA TO A SINGLE INTERFACE WHERE IT CAN BE STORED, ANALYSED AND REVIEWED							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P42	1	20	RCBO	2.5	KITCHEN	REF	A
P43	1	20	RCBO	2.5	KITCHEN	REF	A
P44	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P45	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P46	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P47	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P48	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P49	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A
P50	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A
P51	3	20	RCBO	2.5	KITCHEN	BAINE MARIE	A
P52	3	20	RCBO	2.5	KITCHEN	BAINE MARIE	A
P53	1	20	RCBO	2.5	KITCHEN	REF	A
P54	1	20	RCBO	2.5	KITCHEN	PLATE HEATER	A
P55	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	A
P56	1	20	RCBO	2.5	BAR	GPO	A
P57	1	20	RCBO	2.5	BAR	MISTER CONTROL	A
P58	1	20	RCBO	2.5	BAR	GLASS WASHER	A
P59	1	20	RCBO	2.5	BAR	GLASS WASHER	A
P60	1	20	RCBO	2.5	BAR	GPO	A
P61	1	20	RCBO	2.5	BAR	REF	A
P62	1	20	RCBO	2.5	BAR	POS	A
P63	1	20	RCBO	2.5	BAR	REF	A
P64	1	20	RCBO	2.5	BAR	REF	A
P65	1	20	RCBO	2.5	BAR	15A GPO	A
P66	1	20	RCBO	2.5	BAR	REF	A
P67	1	20	RCBO	2.5	BAR	WATER	A
P68	1	20	RCBO	2.5	ROOF	ROOF SYSTEM	A
P69	1	20	RCBO	2.5	ROOF	ROOF SYSTEM	A
P70	1	20	RCBO	2.5	ROOF	HWS PUMP	A
P71	1	20	RCBO	2.5	ROOF	HWS	A
P72	1	20	RCBO	2.5	ROOF	MAINTENANCE	A
P73	1	20	RCBO	2.5	TERRACE	MIST FANS	A
P74	1	20	RCBO	2.5	TERRACE	MIST FANS	A
P75	1	20	RCBO	2.5	COURTYARD	MIST FANS	A
P76	1	20	RCBO	2.5	COURTYARD	MIST FANS	A
P77	1	20	RCBO	2.5	LEVEL 2	WAITERS	A
P78	1	20	RCBO	2.5	KITCHEN	15A GPO	A



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CHASSIS RATING: 250A							1
PHASES: 3							A
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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	LEVEL 2 / ROOF	SIGN	A
L2	1	20	RCBO	2.5	LEVEL 2	SIGN	A
L3	1	20	RCBO	2.5	LEVEL 2	KITCHEN	A
L4	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L5	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L6	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L7	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L8	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L9	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L10	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L11	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L12	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L13	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L14	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L15	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L16	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L17	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A
L18	1	20	RCBO	2.5	TERRACE	HEATER	A
L19	1	20	RCBO	2.5	TERRACE	HEATER	A
L20	1	20	RCBO	2.5	TERRACE	HEATER	A
L21	1	20	RCBO	2.5	TERRACE	HEATER	A
L22	1	20	RCBO	2.5	TERRACE	HEATER	A
L23	1	20	RCBO	2.5	TERRACE	HEATER	A
L24	1	20	RCBO	2.5	COURTYARD	HEATER	A
L25	1	20	RCBO	2.5	COURTYARD	HEATER	A
L26	1	20	RCBO	2.5	COURTYARD	HEATER	A
L27	1	20	RCBO	2.5	COURTYARD	HEATER	A
L28	1	20	RCBO	2.5	COURTYARD	HEATER	A
L29	1	20	RCBO	2.5	COURTYARD	HEATER	A
L30	1	20	RCBO	2.5	COURTYARD	HEATER	A
L31	1	20	RCBO	2.5	COURTYARD	HEATER	A
L32	1	20	RCBO	2.5	LEVEL 2	LIGHTS	A