### **ELECTRICAL DESIGN GROUP**

ELECTRICAL BUILDING SERVICES CONSULTANTS
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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

Α

				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	Α
CHASSIS RATING:	250A	SUPPLY CABLE:	1C120AL	1
PHASES:	3			Α

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

	I						
CIRC	РН	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	
Onto	l · ···	BREAKER (amps)	EQUIPMENT	SIZE ( mm <sup>2</sup> )	LOOAHON	USE	
P1	1	20	RCBO	2.5	LEVEL 2	FIP	Α
P2	3	40	TYPE B CURVE METER M4	6.0	LEVEL 2	LIFT 1	Α
P3	3	40	TYPE B CURVE METER M4	6.0	LEVEL 2	LIFT 2	Α
P4	1	20	RCBO	2.5	LEVEL 2	ENTRY GPO	Α
P5	1	20	RCBO	2.5	LEVEL 2	TV	Α
P6	1	20	RCBO	2.5	LEVEL 2	TV	Α
P7	1	20	RCBO	2.5	LEVEL 2	CLEANING MAINT	Α
P8	1	20	RCBO	2.5	LEVEL 2	AMENITY	Α
P9	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	Α
P10	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	Α
P11	1	20	RCBO	2.5	LEVEL 2	HAND DRYER	Α
P12	1	20	RCBO	2.5	LEVEL 2	DINING	Α
P13	1	20	RCBO	2.5	LEVEL 2	GARDEN ROOM	Α
P14	1	20	RCBO	2.5	LEVEL 2	TV	Α
P15	1	20	RCBO	2.5	TERRACE	CLEANING	Α
P16	1	20	RCBO	2.5	BAR	CLEANING	Α
P17	1	20	RCBO	2.5	COURTYARD	CLEANING	Α
P18	1	20	RCBO	2.5	BAR	TV	Α
P19	1	20	RCBO	2.5	TERRACE	BLINDS	Α
P20	1	20	RCBO	2.5	BAR	REF	Α
P21	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	Α
P22	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	Α
P23	1	20	RCBO	2.5	KITCHEN	ICE	Α
P24	1	20	RCBO	2.5	KITCHEN	GAS CONTROL	Α
P25	1	20	RCBO	2.5	KITCHEN	GPO	Α
P26	1	20	RCBO	2.5	KITCHEN	15A GPO	Α
P27	1	25	RCBO	4.0	KITCHEN	SALAMANDA	Α
P28	3	20	RCBO	2.5	KITCHEN	DISHWASHER	Α
P29	1	25	RCBO	4.0	KITCHEN	PIZZA	Α
P30	1	20	RCBO	2.5	KITCHEN	GLASS WASHER	Α
P31	1	20	RCBO	2.5	KITCHEN	COOL ROOM	Α
P32							1
P33	1	20	RCBO	2.5	KITCHEN	POS	Α
P34	1	20	RCBO	2.5	KITCHEN	REF	Α
P35	1	20	RCBO	2.5	KITCHEN	HEATLAMPS	Α
P36	3	20	RCBO	2.5	KITCHEN	10.8KW COMBI	Α
P37	3	20	RCBO	2.5	KITCHEN	10.8KW COMBI	Α
P38	3	40	RCBO	6.0	KITCHEN	20.5KS COMBI	Α
P39	1	20	RCBO	2.5	KITCHEN	REF	Α
P40	1	20	RCBO	2.5	KITCHEN	REF	Α
P41	1	25	RCBO	4.0	KITCHEN	PIZZA	Α

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## C3234a - 185 SAMFORD ROAD, ENOGGERA DISTRIBUTION BOARD DB-C (LEVEL 1 NORTH)

C3234a-0007(1).xls

REVI	SION 1	- 09 MAY 2025	,				
							REV
		FAULT CURRENT:	6KA USING CASCADII	NG	MAIN SWITCH:	250A NON AUTO LOAD BREAK	1
CHASSIS SIZE:		CHASSIS SIZE:	REFER TO THE DB-C SCHEMATIC SUPPLIED FROM: MSB		MSB	Α	
		CHASSIS RATING:	250A		SUPPLY CABLE:	1C120AL	1
		PHASES:	3				Α
DIN RA CONTI AN EN	AIL TO AC ROL SYS <sup>*</sup> ERGY MO	DB-C SCHEMATIC FOR AE COMMODATE FUTURE CO TEM TO CONTROL THE AS DNITORING SYSTEM OF TH TIME-OF-USE ENERGY DA	ONTACTORS AND CONTF SOCIATED EMERGENCY HE LIGHTING CHASSIS A	ROLS. PROVIDE THE LIGHTS. PROVIDE ND POWER CHASSIS	E DB WITH AN AS2293 EMI THE DB WITH SURGE PRO AS PER J9D3 OF THE NCO	ERGENCY LIGHTING OTECTION. PROVIDE C BCA 2022 THAT	А
		CIRCUIT	CONTROL	CABLE		CIRCUIT	1
CIRC	PH	BREAKER (amps)	EQUIPMENT	SIZE ( mm <sup>2</sup> )	LOCATION	USE	
P42	1	20	RCBO	2.5	KITCHEN	REF	Α
P43	1	20	RCBO	2.5	KITCHEN	REF	Α
P44	3	32	RCBO	6.0	KITCHEN	17KW FRYER	Α
P45	3	32	RCBO	6.0	KITCHEN	17KW FRYER	Α
P46	3	32	RCBO	6.0	KITCHEN	17KW FRYER	Α
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	Α
P58	1	20	RCBO	2.5	BAR	GLASS WASHER	Α
P59	1	20	RCBO	2.5	BAR	GLASS WASHER	Α
P60	1	20	RCBO	2.5	BAR	GPO	Α
P61	1	20	RCBO	2.5	BAR	REF	Α
P62	1	20	RCBO	2.5	BAR	POS	Α
P63	1	20	RCBO	2.5	BAR	REF	Α
P64	1	20	RCBO	2.5	BAR	REF	Α
P65	1	20	RCBO	2.5	BAR	15A GPO	Α
P66	1	20	RCBO	2.5	BAR	REF	Α
P67	1	20	RCBO	2.5	BAR	WATER	Α
P68	1	20	RCBO	2.5	ROOF	ROOF SYSTEM	Α
P69	1	20	RCBO	2.5	ROOF	ROOF SYSTEM	Α
P70	1	20	RCBO	2.5	ROOF	HWS PUMP	Α
P71	1	20	RCBO	2.5	ROOF	HWS	А
P72	1	20	RCBO	2.5	ROOF	MAINTENANCE	Α
P73	1	20	RCBO	2.5	TERRACE	MIST FANS	Α
P74	1	20	RCBO	2.5	TERRACE	MIST FANS	Α
P75	1	20	RCBO	2.5	COURTYARD	MIST FANS	Α
P76	1	20	RCBO	2.5	COURTYARD	MIST FANS	Α
P77	1	20	RCBO	2.5	LEVEL 2	WAITERS	A
P78	1	20	RCBO	2.5	KITCHEN	15A GPO	A
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							+
		1		1			

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DIN RAIL TO CONTROL S' AN ENERGY COLLATES T  CIRC PH  L1 1 L2 1 L3 1 L4 1 L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L11 1	20 20 20 20 20 20 20 20	DNTACTORS AND CONTI SOCIATED EMERGENCY HE LIGHTING CHASSIS A ATA TO A SINGLE INTER CONTROL EQUIPMENT  RCBO RCBO RCBO RCBO RCBO	SCHEMATIC  TION REQUIREMENTS. ROLS. PROVIDE THE 7 LIGHTS. PROVIDE 1 ND POWER CHASSIS A	DB WITH AN AS2293 EME THE DB WITH SURGE PRO US PER J9D3 OF THE NCC SE STORED, ANALYSED A  LOCATION  LEVEL 2 / ROOF  LEVEL 2  LEVEL 2  LEVEL 2  LEVEL 2	ERGENCY LIGHTING DTECTION. PROVIDE E BCA 2022 THAT IND REVIEWED  CIRCUIT USE  SIGN SIGN KITCHEN LIGHTS	
DIN RAIL TO CONTROL S' AN ENERGY COLLATES T  L1	CHASSIS RATING: PHASES:  THE DB-C SCHEMATIC FOR AD ACCOMMODATE FUTURE CO YSTEM TO CONTROL THE AS MONITORING SYSTEM OF THE THE TIME-OF-USE ENERGY DA  CIRCUIT BREAKER (amps)  20 20 20 20 20 20 20 20 20 20 20	250A 3  DITIONAL CONFIGURATION AND CONTROL EQUIPMENT  RCBO RCBO RCBO RCBO RCBO RCBO RCBO	TION REQUIREMENTS. ROLS. PROVIDE THE Y LIGHTS. PROVIDE TO NOD POWER CHASSIS A FACE WHERE IT CAN E  CABLE SIZE ( mm² )  2.5 2.5 2.5 2.5 2.5	SUPPLY CABLE:  PROVIDE THE DB WITH DB WITH AN AS2293 EMETHE DB WITH SURGE PROUSE STORED, ANALYSED A  LOCATION  LEVEL 2 / ROOF LEVEL 2 LEVEL 2 LEVEL 2 LEVEL 2	A FULL WIDTH EMPTY ERGENCY LIGHTING DTECTION. PROVIDE BCA 2022 THAT ND REVIEWED  CIRCUIT USE  SIGN SIGN KITCHEN LIGHTS	
DIN RAIL TO CONTROL S' AN ENERGY COLLATES T  L1	PHASES:  THE DB-C SCHEMATIC FOR AE ACCOMMODATE FUTURE COYSTEM TO CONTROL THE AS MONITORING SYSTEM OF THE TIME-OF-USE ENERGY DATE OF THE TIME-OF-USE ENERGY	3 DDITIONAL CONFIGURATION AND CONTROL EQUIPMENT  RCBO RCBO RCBO RCBO RCBO RCBO RCBO	ROLS. PROVIDE THE / LIGHTS. PROVIDE TO NO POWER CHASSIS A FACE WHERE IT CAN E  CABLE SIZE ( mm² )  2.5 2.5 2.5 2.5 2.5	PROVIDE THE DB WITH DB WITH AN AS2293 EME THE DB WITH SURGE PRO SPER J9D3 OF THE NCC BE STORED, ANALYSED A  LOCATION  LEVEL 2 / ROOF  LEVEL 2  LEVEL 2  LEVEL 2  LEVEL 2	A FULL WIDTH EMPTY ERGENCY LIGHTING DTECTION. PROVIDE E BCA 2022 THAT IND REVIEWED  CIRCUIT USE  SIGN SIGN KITCHEN LIGHTS	
DIN RAIL TO CONTROL S' AN ENERGY COLLATES T  L1	CIRCUIT BREAKER (amps)  20 20 20 20 20 20 20 20 20 20 20 20 20	DDITIONAL CONFIGURATION TACTORS AND CONTICONATED EMERGENCY HE LIGHTING CHASSIS A ATA TO A SINGLE INTER  CONTROL EQUIPMENT  RCBO RCBO RCBO RCBO RCBO	ROLS. PROVIDE THE / LIGHTS. PROVIDE TO NO POWER CHASSIS A FACE WHERE IT CAN E  CABLE SIZE ( mm² )  2.5 2.5 2.5 2.5 2.5	DB WITH AN AS2293 EME THE DB WITH SURGE PRO US PER J9D3 OF THE NCC SE STORED, ANALYSED A  LOCATION  LEVEL 2 / ROOF  LEVEL 2  LEVEL 2  LEVEL 2  LEVEL 2	ERGENCY LIGHTING DTECTION. PROVIDE E BCA 2022 THAT IND REVIEWED  CIRCUIT USE  SIGN SIGN KITCHEN LIGHTS	
DIN RAIL TO CONTROL S' AN ENERGY COLLATES T  L1	ACCOMMODATE FUTURE CO YSTEM TO CONTROL THE AS MONITORING SYSTEM OF THE THE TIME-OF-USE ENERGY DATE CIRCUIT BREAKER (amps)	DNTACTORS AND CONTI SOCIATED EMERGENCY HE LIGHTING CHASSIS A ATA TO A SINGLE INTER CONTROL EQUIPMENT  RCBO RCBO RCBO RCBO RCBO	ROLS. PROVIDE THE / LIGHTS. PROVIDE TO NO POWER CHASSIS A FACE WHERE IT CAN E  CABLE SIZE ( mm² )  2.5 2.5 2.5 2.5 2.5	DB WITH AN AS2293 EME THE DB WITH SURGE PRO US PER J9D3 OF THE NCC SE STORED, ANALYSED A  LOCATION  LEVEL 2 / ROOF  LEVEL 2  LEVEL 2  LEVEL 2  LEVEL 2	ERGENCY LIGHTING DTECTION. PROVIDE E BCA 2022 THAT IND REVIEWED  CIRCUIT USE  SIGN SIGN KITCHEN LIGHTS	
L1 1 1 L2 1 L3 1 L4 1 L5 1 L6 1 L7 L8 L9 1 L10 1 L11 1 L12 1	20 20 20 20 20 20 20 20	RCBO RCBO RCBO RCBO RCBO RCBO	SIZE ( mm <sup>2</sup> )  2.5  2.5  2.5  2.5  2.5	LEVEL 2 / ROOF LEVEL 2 LEVEL 2 LEVEL 2 LEVEL 2	SIGN SIGN SIGN KITCHEN LIGHTS	
L1 1 1 L2 1 L3 1 L4 1 L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20 20 20 20 20 20 20 20	RCBO RCBO RCBO RCBO RCBO	2.5 2.5 2.5 2.5 2.5	LEVEL 2 / ROOF LEVEL 2 LEVEL 2 LEVEL 2 LEVEL 2	SIGN SIGN KITCHEN LIGHTS	
L2         1           L3         1           L4         1           L5         1           L6         1           L7         1           L8         1           L9         1           L10         1           L11         1           L12         1	20 20 20 20 20	RCBO RCBO RCBO RCBO	2.5 2.5 2.5	LEVEL 2 LEVEL 2 LEVEL 2	SIGN KITCHEN LIGHTS	
L2 1 L3 1 L4 1 L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20 20 20 20 20	RCBO RCBO RCBO RCBO	2.5 2.5 2.5	LEVEL 2 LEVEL 2 LEVEL 2	SIGN KITCHEN LIGHTS	
L3 1 L4 1 L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20 20 20	RCBO RCBO RCBO	2.5 2.5	LEVEL 2 LEVEL 2	KITCHEN LIGHTS	
L4 1 L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20 20	RCBO RCBO	2.5	LEVEL 2	LIGHTS	4-
L5 1 L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20	RCBO				
L6 1 L7 1 L8 1 L9 1 L10 1 L11 1 L12 1				LEVEL 2	LIGHTS	
L7 1 L8 1 L9 1 L10 1 L11 1 L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L8 1 L9 1 L10 1 L11 1 L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L9 1 L10 1 L11 1 L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L10 1 L11 1 L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L11 1 L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L12 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
	20	RCBO	2.5	LEVEL 2	LIGHTS	
L13 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L14 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L15 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L16 1	20	RCBO	2.5	LEVEL 2	LIGHTS	
L17 1		RCBO	2.5	LEVEL 2	LIGHTS	
L18 1	20	RCBO	2.5	TERRACE	HEATER	
L19 1	20	RCBO	2.5	TERRACE	HEATER	
L20 1		RCBO	2.5	TERRACE	HEATER	
L21 1	20	RCBO	2.5	TERRACE	HEATER	
L22 1	20	RCBO	2.5	TERRACE	HEATER	
L23 1	20	RCBO	2.5	TERRACE	HEATER	
L24 1	20	RCBO	2.5	COURTYARD	HEATER	
L25 1	20	RCBO	2.5	COURTYARD	HEATER	
L26 1	20	RCBO	2.5	COURTYARD	HEATER	
L27 1	20	RCBO	2.5	COURTYARD	HEATER	
L28 1		RCBO	2.5	COURTYARD	HEATER	H
L29 1	20	RCBO	2.5	COURTYARD	HEATER	
L30 1		RCBO	2.5	COURTYARD	HEATER	H
L31 1	20	RCBO	2.5	COURTYARD	HEATER	
L32 1	20	RCBO	2.5	LEVEL 2	LIGHTS	