

# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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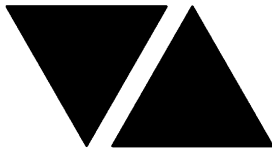
C2499a - THE BROOK HOTEL, MITCHELTON

C2499a-0007(M).xls

DISTRIBUTION BOARD DB-2

REVISION M - 14 MARCH 2023

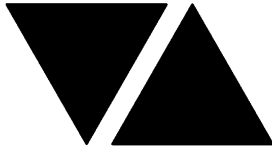
FAULT CURRENT: 6KA UTILISING CASCADING CHASSIS SIZE: 2 X 74 POLES POWER 60 POLES LIGHTING CHASSIS RATING: 250A PHASES: 3							MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: MSB SUPPLY CABLE: 1C 150		REV
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE NCC BCA PART J8 CENTRALLY MONITORED METERING OF EACH CHASSIS. PROVIDE THE DB WITH SURGE PROTECTION. REFER TO THE DB-2 SCHEMATIC.									A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE			
P1	1	20	RCD	2.5	SPORTS BAR	TV		A	
P2	1	20	RCD	2.5	BACK OF HOUSE	GLYCOL		A	
P3	1	20	RCD	2.5	BACK OF HOUSE	POST MIX		A	
P4	1	20	RCD	2.5	BACK OF HOUSE	POST MIX		A	
P5	1	20	RCD	2.5	BACK OF HOUSE	POST MIX		A	
P6	1	20	RCD	2.5	BACK OF HOUSE	POST MIX		A	
P7	1	20	RCD	2.5	BACK OF HOUSE	CLEANING		A	
P8	1	20	RCD	2.5	SPORTS BAR	GPO		A	
P9	1	20	RCD	2.5	SPORTS BAR	TV		A	
P10	1	20	RCD	2.5	AMENITY	HAND DRYER		A	
P11	1	20	RCD	2.5	AMENITY	HAND DRYER		A	
P12	1	20	RCD	2.5	SPORTS BAR	CLEANING		A	
P13	1	20	RCD	2.5	EXTERNAL	TV		A	
P14	1	20	RCD	2.5	TAB	TAB		A	
P15	1	20	RCD	2.5	TAB	TAB		A	
P16	1	20	RCD	2.5	TAB	TAB		A	
P17	1	20	RCD	2.5	IT	TAB		B	
P18	1	20	RCD	2.5	IT	IT		A	
P19	1	20	RCD	2.5	IT	IT		A	
P20	1	20	RCD	2.5	IT	IT		A	
P21	1	20	RCD	2.5	IT	IT		A	
P22	1	20	RCD	2.5	IT	IT		A	
P23	1	20	RCD	2.5	STAFF ROOM	GPO		A	
P24	1	20	RCD	2.5	AMENITY	HAND DRYER		A	
P25	1	20	RCD	2.5	STAFF ROOM	GPO		A	
P26	1	20	RCD	2.5	BACK OF HOUSE	FREEZER		A	
P27	1	20	RCD	2.5	BACK OF HOUSE	COOL ROOM		A	
P28	3	32	RCD	6.0	KITCHEN	18KW DW		A	
P29	1	20	RCD	2.5	KITCHEN	OZ TANK		A	
P30	1	20	RCD	2.5	KITCHEN	GPO		A	
P31	1	20	RCD	2.5	KITCHEN	REF		A	
P32	1	20	RCD	2.5	KITCHEN	MW		A	
P33	1	20	RCD	2.5	KITCHEN	GPO		A	
P34	1	20	RCD	2.5	KITCHEN	REF		A	
P35	3	20	RCD	2.5	KITCHEN	7.4 KW IMPINGER		H	
P36	3	20	RCD	2.5	KITCHEN	7.4 KW IMPINGER		H	
P37	1	20	RCD	2.5	KITCHEN	FRYER		A	
P38	1	20	RCD	2.5	KITCHEN	MW		A	
P39	1	20	RCD	2.5	KITCHEN	COMBI OVEN		G	
P40	1	20	RCD	2.5	KITCHEN	STARTERS		A	
P41	1	20	RCD	2.5	KITCHEN	REF		A	
P42	1	20	RCD	2.5	KITCHEN	GPO		A	
P43	1	20	RCD	2.5	SERVERY	BAINIE MARIE		A	
P44	1	20	RCD	2.5	SERVERY	POS		A	
P45	1	20	RCD	2.5	KITCHEN	GPO		A	

**C2499a - THE BROOK HOTEL, MITCHELTON**

C2499a-0007(M).xls

**DISTRIBUTION BOARD DB-2****REVISION M - 14 MARCH 2023**

FAULT CURRENT: 6KA UTILISING CASCADING MAIN SWITCH: 250A NON AUTO LOAD BREAK CHASSIS SIZE: 2 X 74 POLES POWER 60 POLES LIGHTING SUPPLIED FROM: MSB CHASSIS RATING: 250A SUPPLY CABLE: 1C 150 PHASES: 3							REV
							A
							A
							A
							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE NCC BCA PART J8 CENTRALLY MONITORED METERING OF EACH CHASSIS. PROVIDE THE DB WITH SURGE PROTECTION. REFER TO THE DB-2 SCHEMATIC.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
P46	1	20	RCD	2.5	SERVERY	CAKE	A
P47	1	20	RCD	2.5	SERVERY	REF	A
P48	1	20	RCD	2.5	BAR	GPO	A
P49	1	25	RCD	4.0	SERVERY	COFFEE	A
P50	1	20	RCD	2.5	BAR	TV	A
P51	1	20	RCD	2.5	KITCHEN	MW	A
P52	1	20	RCD	2.5	BAR	REF	A
P53	1	20	RCD	2.5	BAR	GPO	A
P54	1	20	RCD	2.5	BAR	POS	A
P55	1	20	RCD	2.5	BAR	REF	A
P56	1	20	RCD	2.5	BAR	GPO	A
P57	1	20	RCD	2.5	BAR	REF	A
P58	1	20	RCD	2.5	BAR	REF	A
P59	1	20	RCD	2.5	TAB	TAB	A
P60	1	20	RCD	2.5	TAB	TAB	A
P61	1	20	RCD	2.5	TAB	TAB	A
P62	1	20	RCD	2.5	TAB	TAB	A
P63	1	20	RCD	2.5	KITCHEN	ICE	A
P64	1	20	RCD	2.5	BAR	REF	D
P65	1	20	RCD	2.5		CLEANING	A
P66	1	20	RCD	2.5	EXTERNAL	TV	A
P67	1	20	RCD	2.5	KIDS ROOM	TV	A
P68	1	20	RCD	2.5	BUFFET	GPO	F
P69	1	20	RCD	2.5	BUFFET	GPO	F
P70	1	20	RCD	2.5	BUFFET	GPO	F
P71	3	32	RCD	6.0	BAND	3PH OUTLET	A
P72	3	32	RCD	6.0	BAND	3PH OUTLET	A
P73	1	20	RCD	2.5	BAND	15A GPO	A
P74	1	20	RCD	2.5	BAND	15A GPO	A
P75	1	20	RCD	2.5	AMENITY	GPO	B
P76	1	20	RCD	2.5	BAR	GLASS WASHER	C
P77	1	20	RCD	2.5	BAR	GLASS WASHER	C
P78	1	20	RCD	2.5	BAR	GLASS WASHER	C
P79	1	20	RCD	2.5	BAR	GLASS WASHER	D
P80	1	20	RCD	2.5	BUFFET	GPO	F
P81	1	20	RCD	2.5	BAR	GLASS WASHER	G
P82	1	20	RCD	2.5	DECK	GAS HEATERS	J
P83	1	20	RCD	2.5	KITCHEN	COMBI OVEN	L
P84	1	20	RCD	2.5	DECK	GPO	M
P85	3	40	RCD	6.0	DECK	3PH OUTLET	M
P86	3	25	RCD	4.0	POSTMIX	FIG TREE PUMP	M



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							A
							A
							A
							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE NCC BCA PART J8 CENTRALLY MONITORED METERING OF EACH CHASSIS. PROVIDE THE DB WITH SURGE PROTECTION. REFER TO THE DB-2 SCHEMATIC.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
L1	1	20	RCD	2.5	KITCHEN	LIGHTS	A
L2	1	20	RCD	2.5	KITCHEN	HEAT LAMPS	A
L3	1	20	RCD	2.5	KITCHEN	HEAT LAMPS	A
L4							K
L5							K
L6							K
L7							K
L8							K
L9	1	20	RCD	2.5	AMENITY	LIGHTS	A
L10	1	20	RCD	2.5	CIRCULATION	LIGHTS	A
L11	1	20	RCD	2.5	AMENITY	LIGHTS	A
L12	1	20	RCD	2.5	SPORTS BAR	LIGHTS / SIGN	B
L13	1	20	RCD	2.5	SPORTS BAR	LIGHTS	A
L14	1	20	RCD	2.5	SPORTS BAR	LIGHTS	A
L15	1	20	RCD	2.5	BAR	LIGHTS	A
L16	1	20	RCD	2.5	BAR	LIGHTS	A
L17	1	20	RCD	2.5	BAR	LIGHTS	A
L18	1	20	RCD	2.5	BAR	LIGHTS	A
L19	1	20	RCD	2.5	BAR	LIGHTS	A
L20	1	20	RCD	2.5	BAR	LIGHTS	A
L21	1	20	RCD	2.5	BAR	LIGHTS	A
L22	1	20	RCD	2.5	BAR	LIGHTS	A
L23	1	20	RCD	2.5	EXTERNAL	LIGHTS	A
L24	1	20	RCD	2.5	EXTERNAL	LIGHTS	A
L25	1	20	RCD	2.5	EXTERNAL	LIGHTS	A
L26	1	20	RCD	2.5	EXTERNAL	LIGHTS	A
L27	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L28	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L29							A
L30	1	20	RCD	2.5	BAR	LIGHTS	A
L31	1	20	RCD	2.5	EXTERNAL	LIGHTS	A
L32	1	20	RCD	2.5	LOUNGE	LIGHTS	A
L33	1	20	RCD	2.5	LOUNGE	LIGHTS	A
L34	1	20	RCD	2.5	LOUNGE	LIGHTS	A
L35	1	20	RCD	2.5	LOUNGE	LIGHTS	A
L36	1	20	RCD	2.5	LOUNGE	LIGHTS	A
L37	1	20	RCD	2.5	KIDS ROOM	LIGHTS	A
L38	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L39	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L40	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L41	1	20	RCD	2.5	EXTERNAL	HEATERS	A
L42	1	20	RCD	2.5	PLAY GROUND	POLE LIGHT	A