

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

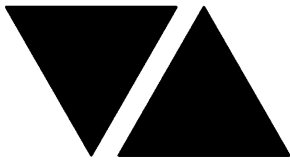
C2499a - THE BROOK HOTEL, MITCHELTON

C2499a-0008(J).xls

DISTRIBUTION BOARD DB-3

REVISION J - 23 MAY 2023

							REV	
FAULT CURRENT:		6KA UTILISING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		2 X 60 POLES POWER 60 POLES LIGHTING PLUS LIFTS			SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A			SUPPLY CABLE:		2 X 1C185	A
PHASES:		3						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-3 SCHEMATIC							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P1	1	20	RCD	2.5	GYM	GPO	A	
P2	1	20	RCD	2.5	GYM	GPO	A	
P3	1	20	RCD	2.5	LOBBY	VENDING MACHINE	A	
P4	1	20	RCD	2.5		CLEANING	A	
P5	1	20	RCD	2.5	LOADING	CLEANERS RACK	A	
P6	1	20	RCD	2.5	LOADING	MAINTENANCE	A	
P7	1	20	RCD	2.5	EXTERNAL	HOT WATER	A	
P8	1	20	RCD	2.5	EXTERNAL	HOT WATER	A	
P9	3	20	RCD	2.5	LOADING	RSD	A	
P10	1	20	RCD	2.5	LOADING	MAINTENANCE	A	
P11	1	20	RCD	2.5	EXTERNAL	GPO	A	
P12	1	20	RCD	2.5	ENTRY	AUTO DOOR	A	
P13	1	20	RCD	2.5	RECEPTION	GPO	A	
P14	1	20	RCD	2.5	OFFICE	GPO	A	
P15	1	20	RCD	2.5	OFFICE	GPO	A	
P16	1	20	RCD	2.5	OFFICE	GPO	A	
P17	1	25	RCD	4.0	LAUNDRY	WM	G	
P18	1	25	RCD	4.0	LAUNDRY	WM	G	
P19	1	20	RCD	2.5	LOUNGE	GPO	A	
P20	1	20	RCD	2.5	FUNCTION ROOM	GPO	A	
P21	1	20	RCD	2.5	FUNCTION ROOM	GPO	A	
P22	1	20	RCD	2.5	AMENITY	GPO	A	
P23	1	20	RCD	2.5	FUNCTION ROOM	EPD	A	
P24	1	20	RCD	2.5	AMENITY	HAND DRYER	A	
P25	1	20	RCD	2.5	AMENITY	HAND DRYER	A	
P26	1	20	RCD	2.5	AMENITY	HAND DRYER	A	
P27	1	20	RCD	2.5	LEVEL 1	CLEANING	A	
P28	1	20	RCD	2.5	LEVEL 1	CLEANING RACK	A	
P29	1	20	RCD	2.5	LEVEL 1	CLEANING RACK	B	
P30	1	20	RCD	2.5	LEVEL 1	COOK TOP	A	
P31	1	20	RCD	2.5	LEVEL 1	COOK TOP	B	
P32	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P33	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P34	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P35	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P36	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P37	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P38	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P39	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P40	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P41	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P42	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
P43	1	20	RCD	2.5	LEVEL 2	CLEANING	A	
P44	1	20	RCD	2.5	LEVEL 2	CLEANING RACK	A	



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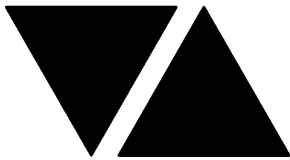
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DISTRIBUTION BOARD DB-3

REVISION J - 23 MAY 2023

							REV	
FAULT CURRENT:		6KA UTILISING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		2 X 60 POLES POWER 60 POLES LIGHTING PLUS LIFTS			SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A			SUPPLY CABLE:		2 X 1C185	A
PHASES:		3						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-3 SCHEMATIC							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P45	3	40	RCD TYPE B M1	10.0	LEVEL 2	LIFT	A	
P46	3	40	RCD TYPE B M1	10.0	LEVEL 2	LIFT	A	
P47	1	20	RCD	2.5	LEVEL 2	COOK TOP	A	
P48	1	20	RCD	2.5	LEVEL 2	COOK TOP	A	
P49	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P50	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P51	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P52	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P53	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P54	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P55	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P56	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P57	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P58	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P59	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
P60	3	32	RCD	6.0	EXTERNAL	BOLLARD 3PH	A	
P61	1	20	RCD	2.5	EXTERNAL	BOLLARD GPO	A	
P62	1	20	RCD	2.5	EXTERNAL	BOLLARD GPO	A	
P63	1	20	RCD	2.5	EXTERNAL	HOT WATER	B	
P64	1	20	RCD	2.5	EXTERNAL	BOOM GATES	C	
P65	1	20	RCD	2.5	EXTERNAL	GATE	E	
P66	1	20	RCD	2.5	DECK	GPO	H	
P67	1	20	RCD	2.5	GROUND OFFICE	RACK	H	
P68	1	20	RCD	2.5	LEVEL 1	RACK	H	
P69	1	20	RCD	2.5	FUNCTION ROOM	BILLY	J	
P70	1	20	RCD	2.5	FUNCTION ROOM	BILLY 15A	J	
L1	1	20	RCD	2.5	STAIRS / PLANT	LIGHTS	A	
L2	1	20	RCD	2.5	AMENITY	LIGHTS	A	
L3	1	20	RCD	2.5	AMENITY	LIGHTS	A	
L4	1	20	RCD	2.5	GYM	LIGHTS	A	
L5	1	20	RCD	2.5	LOBBY	LIGHTS	A	
L6	1	20	RCD	2.5	BACK OF HOUSE	LIGHTS	A	
L7	1	20	RCD PE ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTS	A	
L8	1	20	RCD	2.5	RECEPTION	LIGHTS	A	
L9	1	20	RCD	2.5	FOYER	LIGHTS	A	
L10	1	20	RCD	2.5	FUNCTION ROOM	LIGHTS	A	
L11	1	20	RCD	2.5	PORTE COCHERE	LIGHTS	A	
L12	1	20	RCD	2.5	STAIR	LIGHTS	A	
L13	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	



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CHASSIS RATING:		250A			SUPPLY CABLE:		2 X 1C185	A
PHASES:		3						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-3 SCHEMATIC							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
L14	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L15	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L16	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L17	1	20	RCD	6.0	CARPARK	LIGHTS	A	
L18	1	20	RCD	6.0	CARPARK	LIGHTS	A	
L19	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L20	1	20	RCD	2.5	LEVEL 1 CORRIDOR	LIGHTS	A	
L21	1	20	RCD	2.5	LEVEL 1 CORRIDOR	LIGHTS	A	
L22	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L23	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L24	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L25	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L26	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
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L31	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L32	1	20	RCD	2.5	LEVEL 1	ACCOMMODATION	A	
L33	1	20	RCD	2.5	LEVEL 2 CORRIDOR	LIGHTS	A	
L34	1	20	RCD	2.5	LEVEL 2 CORRIDOR	LIGHTS	A	
L35	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L36	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L37	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L38	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
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L41	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L42	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L43	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L44	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L45	1	20	RCD	2.5	LEVEL 2	ACCOMMODATION	A	
L46	1	20	RCD	2.5	EXTERNAL	HEATER	D	
L47	1	20	RCD PE ON DUSK OFF DAWN	2.5	ROOF	SIGN	F	