



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

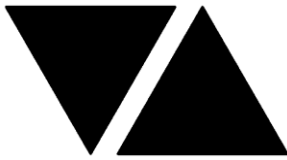
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**C3234a - 185 SAMFORD ROAD, ENOGGERA**  
**DISTRIBUTION BOARD DB-B (GROUND SOUTH)**  
**REVISION A - 02 OCTOBER 2024**

**C3234a-0006(A).xls**

							REV
FAULT CURRENT:		6KA USING CASCADING		MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		84 POLE POWER 24 POLE LIGHTING		SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C70	A
PHASES:		3					A
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 <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	LEVEL 0	CLEANING MAINT	A
P2	1	20	RCBO	2.5		TV	A
P3	1	20	RCBO	2.5		CLEANING MAINT	A
P4	3	20	RCBO	2.5	LEVEL 0	STORM WATER PUMP	A
P5	1	20	RCBO	2.5	LEVEL 0	IRRIGATION CONTROL	A
P6	1	20	RCBO	2.5	LEVEL 0	IRRIGATION PUMP	A
P7	1	20	RCBO	2.5	LEVEL 1	MAINTENANCE	A
P8	1	20	RCBO	2.5	LEVEL 1	MIST PUMP	A
P9	1	20	RCBO	2.5	LEVEL 1	MIST PUMP	A
P10	1	20	RCBO	2.5	LEVEL 1	JACKING PUMP	A
P11	1	20	RCBO	2.5	LEVEL 1	JACKING PUMP	A
P12	3	20	RCBO	2.5	LEVEL 1	RSD	A
P13	1	20	RCBO	2.5	LEVEL 2	MAINTENANCE	A
P14	1	20	RCBO	2.5	LEVEL 1	CLEANING	A
P15	1	20	RCBO	2.5	LEVEL 1	TAISTING	A
P16	1	20	RCBO	2.5	LEVEL 1	DINING	A
P17	1	20	RCBO	2.5	LEVEL 1	TV	A
P18	1	20	RCBO	2.5	LEVEL 1	AMENITY	A
P19	1	20	RCBO	2.5	LEVEL 1	HD	A
P20	1	20	RCBO	2.5	LEVEL 1	HD	A
P21	1	20	RCBO	2.5	LEVEL 1	STAFF GPO	A
P22	1	20	RCBO	2.5	LEVEL 1	HD	A
P23	1	20	RCBO	2.5	LEVEL 1	STAFF APPLIANCES	A
P24	1	20	RCBO	2.5	LEVEL 1	LAUNDRY	A
P25	1	20	RCBO	2.5	LEVEL 1	LAUNDRY	A
P26	1	20	RCBO	2.5	LEVEL 1	OFFICE	A
P27	1	20	RCBO	2.5	LEVEL 1	SECURITY	A
P28	1	20	RCBO	2.5	LEVEL 1	RACK A	A
P29	1	20	RCBO	2.5	LEVEL 1	RACK A	A
P30	1	20	RCBO	2.5	LEVEL 1	RACK B	A
P31	1	20	RCBO	2.5	LEVEL 1	RACK B	A
P32	1	20	RCBO	2.5	LEVEL 1	RACK C	A
P33	1	20	RCBO	2.5	LEVEL 1	RACK C	A
P34	1	20	RCBO	2.5	LEVEL 1	RACK D	A
P35	1	20	RCBO	2.5	LEVEL 1	RACK D	A
P36	1	20	RCBO	2.5	BAR	BAR GPO	A
P37	1	20	RCBO	2.5	BAR	BAR GPO	A
P38	1	20	RCBO	2.5	BAR	REF	A
P39	1	20	RCBO	2.5	WARMING	DW	A
P40	1	20	RCBO	2.5	WARMING	DW	A
P41	1	20	RCBO	2.5	BAR	15A GPO	A
P42	1	20	RCBO	2.5	WARMING	15A GPO	A
P43	1	20	RCBO	2.5	WARMING	HEATER	A
P44	1	20	RCBO	2.5	WARMING	HEATER	A
P45	1	20	RCBO	2.5	GARDEN ROOM	PROJECTOR	A



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			MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: MSB SUPPLY CABLE: 4C70		A		
					A		
					A		
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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	STAIR	LIGHTS	A
L2	1	20	RCBO	2.5	STAIR	LIGHTS	A
L3	1	20	RCBO	2.5	LOADING	LIGHTS	A
L4	1	20	RCBO	2.5	KITCHEN	LIGHTS	A
L5	1	20	RCBO	2.5	STAIR / FOYER	LIGHTS	A
L6	1	20	RCBO	2.5	STAIR / FOYER	LIGHTS	A
L7	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L8	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L9	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L10	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L11	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L12	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L13	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L14	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L15	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L16	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L17	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L18	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L19	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L20	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L21	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L22	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L23	1	20	RCBO	2.5	LEVEL 1	LIGHTS	A
L24	1	20	RCBO	2.5	LOADING	LIGHTS	A