



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS  
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C3234a - 185 SAMFORD ROAD, ENOGERA  
DISTRIBUTION BOARD DB-A (GROUND NORTH)  
REVISION 1 - 09 MAY 2025

C3234a-0005(1).xls

FAULT CURRENT: 6KA USING CASCADING							REV
CHASSIS SIZE: 84 POLE POWER 24 POLE LIGHTING							A
CHASSIS RATING: 250A							A
PHASES: A							1
MAIN SWITCH: 250A NON AUTO LOAD BREAK							A
SUPPLIED FROM: MSB							
SUPPLY CABLE: 1C95AL							
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL FITOUT. 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	3	20	RCBO	2.5	LOADING	RSD	A
P2	1	20	RCBO	2.5	LOADING	MAINT CLEANING	A
P3	1	20	RCBO	2.5	LOADING	PRESS	A
P4	1	20	RCBO	2.5	LOADING	MAINT CLEANING	A
P5	1	20	RCBO	2.5	LOADING	MAINT CLEANING	A
P6	3	20	RCBO	2.5	LOADING	TURNTABLE	A
P7	1	20	RCBO	2.5	LEVEL 0	MAINT CLEANING	A
P8	3	50		10.0	BUTCHER	HWS	1
P9	1	20	RCBO	2.5	BUTCHER	BENCH GPO	A
P10	1	20	RCBO	2.5	BUTCHER	REF	A
P11	1	20	RCBO	2.5	BUTCHER	REF	A
P12	1	20	RCBO	2.5	BUTCHER	AUTO DOOR	A
P13	1	20	RCBO	2.5	BUTCHER	REF	A
P14	1	20	RCBO	2.5	BUTCHER	REF	A
P15	1	20	RCBO	2.5	BUTCHER	GPO	A
P16	1	20	RCBO	2.5	BUTCHER	TV	A
P17	1	20	RCBO	2.5	PWD	HAND DRYER	A
P18	1	20	RCBO	2.5	KITCHEN	OFFICE GPOs	A
P19	1	20	RCBO	2.5	KITCHEN	GAS CONTROL	A
P20	1	20	RCBO	2.5	KITCHEN	COOL ROOM	A
P21	1	32	RCBO	6.0	KITCHEN	FREEZER	1
P22							1
P23	1	20	RCBO	2.5	KITCHEN	KEG ROOM	1
P24	1	20	RCBO	2.5	KITCHEN	BEER	A
P25	1	20	RCBO	2.5	KITCHEN	BEER	A
P26	1	20	RCBO	2.5	KITCHEN	POST MIX	A
P27	1	20	RCBO	2.5	KITCHEN	POST MIX	A
P28	3	20	RCBO	2.5	KITCHEN	10KW DW	A
P29	1	20	RCBO	2.5	KITCHEN	ICE	A
P30	1	20	RCBO	2.5	KITCHEN	GPO	A
P31	1	20	RCBO	2.5	KITCHEN	GPO	A
P32	1	20	RCBO	2.5	KITCHEN	GPO	A
P33	1	20	RCBO	2.5	KITCHEN	GPO	A
P34	3	32	RCBO	6.0	KITCHEN	20.5KW COMBIE	A
P35	3	32	RCBO	6.0	KITCHEN	17KW FRYER	A
P36	3	25	RCBO	4.0	KITCHEN	15KW INVIRO	A
P37	1	20	RCBO	2.5	KITCHEN	GPO	A
P38	1	20	RCBO	2.5	EXTERNAL	SUN BLINDS	A
L1	1	20	RCBO	2.5	LEVEL 0	LIGHTING	A
L2	1	20	RCBO	2.5	LEVEL 0	LIGHTING / SIGNS	A
L3	1	20	RCBO	2.5	LEVEL 0	LIGHTING	A
L4	1	20	RCBO	2.5	LEVEL 0	LIGHTING	A