



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3694a - BARTONS - EASTSIDE AUTOMALL

C3694a-0005(A).xls

DISTRIBUTION BOARD DB-B (MEZZANINE LEVEL)

REVISION A - 08 SEPTEMBER 2026

FAULT CURRENT: 6KA USING CASCADING							MAIN SWITCH: 160A NON AUTO LOAD BREAK	A
CHASSIS SIZE: 60 POLE POWER 24 POLE LIGHTING							SUPPLIED FROM: MSB	
CHASSIS RATING: 250A							SUPPLY CABLE: 4C70	
PHASES: 3								
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. EACH CUBICAL MUST BE 800 WIDE. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS PROVIDE AN ENERGY MONITORING SYSTEM 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 . THE FOLLOWING SERVICES ARE TO BE SEPERATLLY MEETERED / ACCOUNTED FOR, GENERAL POWER, LIGHTING, HOT WATER, MECHANICAL AND SOLAR.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P1	1	20	RCBO	2.5	EXTERNAL	DIGITAL SIGN	A	
P2	1	20	RCBO	2.5	EXTERNAL	DIGITAL SIGN	A	
P3	1	20	RCBO	2.5	EXTERNAL	DIGITAL SIGN	A	
P4	1	20	RCBO	2.5	EXTERNAL	DIGITAL SIGN	A	
P5	1	20	RCBO	2.5	SHOWROOM	AUTO DOORS	A	
P6	1	20	RCBO CIS	2.5	SHOWROOM	GPO	A	
P7	1	20	RCBO CIS	2.5	SHOWROOM	GPO	A	
P8	1	20	RCBO CIS	2.5	SHOWROOM	FLOOR BOXES	A	
P9	1	20	RCBO CIS	2.5	SHOWROOM	FLOOR BOXES	A	
P10	1	20	RCBO CIS	2.5	SHOWROOM	FLOOR BOXES	A	
P11	1	20	RCBO CIS	2.5	SHOWROOM	GPO	A	
P12	1	20	RCBO	2.5	SHOWROOM	TVS	A	
P13	1	20	RCBO	2.5	SHOWROOM	TVS	A	
P14	1	20	RCBO	2.5	SHOWROOM	TVS	A	
P15	1	20	RCBO	2.5	GROUND CUSTOMER LOUNGE	GPO	A	
P16	1	20	RCBO	2.5	GROUND OFFICES	GPO	A	
P17	1	20	RCBO	2.5	GROUND AMENITY	HAND DRYER	A	
P18	1	20	RCBO	2.5	GROUND OFFICES	GPO	A	
P19	1	20	RCBO	2.5	MAINTENANCE	GPO	A	
P20	3	40	RCBO	6.0	CLEANERS	27KW HWS	A	
P21	1	20	RCBO	2.5	LV1 LOUNGE	REF	A	
P22	1	20	RCBO	2.5	LV1 LOUNGE	AUTO BOILER	A	
P23	1	20	RCBO	2.5	LV1 LOUNGE	GPO	A	
P24	1	20	RCBO	2.5	LUNCH ROOM	GPO	A	
P25	1	20	RCBO	2.5	LV1 STORE	SECURITY	A	
P26	1	20	RCBO	2.5	LV1 STORE	CR-B	A	
P27	1	20	RCBO	2.5	LV 1 AMENITY	HAND DRYER	A	
P28	1	20	RCBO	2.5	LV1 OFFICE	GPO	A	
P29	1	20	RCBO	2.5	LV1 LOUNGE	GPO	A	
P30	1	20	RCBO	2.5	LV1 ADMIN	GPO	A	
P31	1	20	RCBO	2.5	GROUND CUSTOMER LOUNGE	GPO	A	
P32	1	20	RCBO	2.5	GROUND CUSTOMER LOUNGE	REF	A	
P33	1	20	RCBO	2.5	GROUND CUSTOMER LOUNGE	AUTO BOILER	A	
P34	1	20	RCBO	2.5	MSB PIT	SUMP PUMP	A	
P35	3	AC TO BE CONFIRMED			ROOF	AC-1	A	
P36	3	AC TO BE CONFIRMED			ROOF	AC-2	A	

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Pages inc. any attach. 1 of 2



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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	A	
L2	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	A	
L3	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	A	
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	A	
L5	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SOFFIT LIGHTS	A	
L6	1	20	RCBO SP1	2.5	SHOWROOM	CHERRY LIGHT BOX	A	
L7	1	20	RCBO SP1	2.5	SHOWROOM	LEPAS LIGHT BOX	A	
L8	1	20	RCBO SP1	2.5	SHOWROOM	LIGHTING	A	
L9	1	20	RCBO SP1	2.5	SHOWROOM	LIGHTING	A	
L10	1	20	RCBO SP1	2.5	GROUND LOUNGE	LIGHTING	A	
L11	1	20	RCBO	2.5	SHOWROOM	LIGHTING	A	
L12	1	20	RCBO	2.5	GROUND OFFICES	LIGHTING	A	
L13	1	20	RCBO SP1	2.5	MEZZANINE	LIGHTING	A	
L14	1	20	RCBO	2.5	MEZZANINE	LIGHTING	A	
L15	1	20	RCBO	2.5	MEZZANINE	LIGHTING	A	