ELECTRICAL DESIGN GROUP
ELECTRICAL BUILDING SERVICES CONSULTANTS
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C3227a - TOOWONG KIA & MITSUBISHI **C3227a-0004(E).xls**

DISTRIBUTION BOARD DB-A

REVISION E - 22 AUGUST 2025

				REV
FAULT CURRENT:	6KA	MAIN SWITCH:	160A LOAD BREAK NON AUTO	A
CHASSIS SIZE:	2 X 72 POLES	SUPPLIED FROM:	MSB	A
CHASSIS RATING:	250A	CABLE:	4C 70	A
PHASES:	3			A

PROVIDE THE DB WITH A 600 WIDE 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. RECONNECT THE EXISTING DB-A CIRCUITS THAT REMAIN WITH NEW AS3000 COMPLIANT SWITCHGEAR THAT MATCHES THE EXISTING CAPACITY AND FUNCTION. UPDATE THE SCHEDULE WITH THE CIRCUIT USE AND LOCATION AT PRACTICAL COMPLETION — A

CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1							D
P2	1	20	RCBO	2.5	MITSUBISHI	CLEANING	A
P3	1	20	RCBO	2.5	MITSUBISHI	RECEPTION	A
P4	1	20	RCBO	2.5	MITSUBISHI	HAND DRYER	A
P5	1	20	RCBO	2.5	MITSUBISHI	FLOOR BOXES	A
P6	1	20	RCBO	2.5	MITSUBISHI	FLOOR BOXES	A
P7	1	20	RCBO D CURVE	2.5	MITSUBISHI	AV WALL	D
P8	1	20	RCBO	2.5	KIA	CLEANING	A
P9	1	20	RCBO	2.5	KIA	OFFICES	A
P10	1	20	RCBO	2.5	KIA	CLEANING	A
P11	1	20	RCBO	2.5	KIA	TV	A
P12	1	20	RCBO	2.5	KIA	FLOOR BOXES	A
P13	1	20	RCBO	2.5	KIA	FLOOR BOXES	A
P14	1	20	RCBO	2.5	KIA	FLOOR BOXES	A
P15	1	20	RCBO	2.5	KIA	TV	A
P16	1	20	RCBO	2.5	KIA	HAND DRYER	A
P17	1	20	RCBO	2.5	MITSUBISHI	TV	A
P18	1	20	RCBO	2.5	MITSUBISHI	KITCHEN	A
P19	1	20	RCBO	2.5	MITSUBISHI	DISHWASHER	A
P20	1	20	RCBO	2.5	MITSUBISHI	REFRIGERATOR	A
P21	1	20	RCBO	2.5	MITSUBISHI	HWS	C
P22	1	20	RCBO	2.5	KIA	REFRIGERATOR	A
P23	1	20	RCBO	2.5	KIA	DISHWASHER	A
P24	1	20	RCBO	2.5	KIA	KITCHEN	A
P25	3	32	RCBO	6.0	KIA	HWS	C
P26							B
P27							B
P28	1	20	RCBO	2.5	KIA	SALES	A
P29	1	20	RCBO D CURVE	2.5	MITSUBISHI	AV WALL	D
P30	1	20	RCBO	2.5	MITSUBISHI	INTERACTIVE STATION	D
P31							D

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793
TRADING AS – ELECTRICAL DESIGN GROUP ABN 96 092 710 793

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PHASES:	3			A

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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNS	A
L2	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNS	A
L3							E
L4							E
L5	1	20	RCBO	2.5	BOH	LIGHTS	A
L6	1	20	RCBO	2.5	BOH	LIGHTS	A
L7	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L8	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L9	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L10	1	20	RCBO	2.5	KIA	LIGHTS	A
L11	1	20	RCBO	2.5	KIA	LIGHTS	A
L12	1	20	RCBO	2.5	KIA	LIGHTS	A
L13	1	20	RCBO	2.5	KIA	DISPLAY	A
L14	1	20	RCBO	2.5	KIA	LIGHTS	A
L15	1	20	RCBO	2.5	KIA	LIGHTS	A
L16	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L17	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L18	1	20	RCBO	2.5	MITSUBISHI	LIGHTS	A
L19	1	20	RCBO	2.5	MITSUBISHI	HERO	D

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