



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3227a - TOOWONG KIA & MITSUBISHI

C3227a-0004(C).xls

DISTRIBUTION BOARD DB-A

REVISION C - 29 APRIL 2025

							REV
FAULT CURRENT:		6KA		MAIN SWITCH:		160A LOAD BREAK NON AUTO	A
CHASSIS SIZE:		2 X 72 POLES		SUPPLIED FROM:			A
CHASSIS RATING:		250A		CABLE:			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	1	20	RCBO	2.5	MITSUBISHI	OFFICES	A
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	2.5	MITSUBISHI	TV	A
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



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<div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 2 X 72 POLES</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> <div>MAIN SWITCH: 160A LOAD BREAK NON AUTO</div> <div>SUPPLIED FROM: MSB</div> <div>CABLE: 4C 70</div>							REV
							A
							A
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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	
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	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	PYLON	A
L4	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	PYLON	A
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