



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3618a - EAGERS KIA IPSWICH

C3618a-0004(A).xls

DISTRIBUTION BOARD DB-K

REVISION A - 28 APRIL 2026

<div> <div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 72 POLES</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> </div> <div> <div>MAIN SWITCH: 160A LOAD BREAK NON AUTO</div> <div>SUPPLIED FROM: MSB</div> <div>CABLE: 4C+E 35</div> </div>							REV
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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 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	A
P1	3	63	MCB	16.0	ROOF	AC CU1	A
P2	1	20	RCBO	2.5	ROOF	MAINTENANCE GPO	A
P3	1	20	RCBO TC ON / OFF	2.5	INTERNAL	TOILET EXHAUST	A
P4	3	32	RCBO	6.0	INTERNAL	19.4KW HWS	A
P5	1	20	RCBO	2.5	INTERNAL	OUTSIDE AIR	A
P6	1	20	RCBO	2.5	INTERNAL	CLEANING GPOS	A
P7	1	20	RCBO	2.5	INTERNAL	AUTO DOOR	A
P8	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P9	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P10	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P11	1	20	RCBO	2.5	INTERNAL	TV	A
P12	1	20	RCBO	2.5	INTERNAL	SALES RECEPTION	A
P13	1	20	RCBO	2.5	INTERNAL	HAND DRYER	A
P14	1	20	RCBO	2.5	INTERNAL	REF	A
P15	1	20	RCBO	2.5	INTERNAL	DISHWASHER	A
P16	1	20	RCBO	2.5	INTERNAL	AUTO BOILER	A
P17	1	20	RCBO	2.5	INTERNAL	KITCHEN GPOs	A
P18	1	20	RCBO	2.5	INTERNAL	COFFEE	A
P19	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P20	1	20	RCBO	2.5	INTERNAL	OFFICE	A
							A
							A
L1	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L2	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L3	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L4	1	20	RCBO	2.5	INTERNAL	INFINITY LOOP	A
L5	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L6	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L7	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L8	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L9	1	20	RCBO C4	2.5	INTERNAL	DISPLAY	A
L10	1	20	RCBO C4	2.5	INTERNAL	SIGNS	A
L11	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNAGE	A
L12	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNAGE	A
L13	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	PYLON	A
L14	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	POLE LIGHTS	A
							A
							A