



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3423a - FLEXIBLE LEARNING CENTRE, MT ISA - COVERED AREA

C3423a-0004(B).xls

DISTRIBUTION BOARD DB-A (COVERED AREA HALL)

REVISION B - 24 SEPTEMBER 2025

<div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 60 POLES</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> <div>MAIN SWITCH: 160A NON AUTO LOAD BREAK ISOLATOR</div> <div>SUPPLIED FROM: SITE MSB</div> <div>SUPPLY CABLE: 4C 35</div>							REV
							A
							A
							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL EACH CIRCUIT BREAKER WITH THE USE AND THE POSITION. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	CEILING	BACK BOARD	A
P2	1	20	RCBO	2.5	CEILING	BACK BOARD	A
P3	3	20	RCBO	2.5	CEILING	FAN	A
P4	3	20	RCBO	2.5	CEILING	FAN	A
P5	3	40	RCBO	6.0	STAGE	40A OUTLET	A
P6	3	20	RCBO	2.5	STAGE	GPO	A
P7	1	20	RCBO	2.5	HALL	GPO	A
P8	1	20	RCBO	2.5	HALL	GPO	A
P9	1	20	RCBO	2.5	HALL	GPO	A
P10	1	20	RCBO	2.5	HALL	GPO	A
P11	1	20	RCBO	2.5	HALL	GPO	A
P12	1	20	RCBO	2.5	HALL	GPO	A
P13	1	20	RCBO	2.5	HALL	GPO	A
P14	1	20	RCBO	2.5	STORE	CR-A	A
P15	1	20	RCBO	2.5	HALL	DRINKS	A
P16	3	20	RCBO	2.5	STORE	RSD	A
P17	1	20	RCBO	2.5	GARAGE	GPO	A
P18	1	20	RCBO	2.5	STORE	SECURITY	A
P19	1	20	RCBO	2.5	HALL	PROJECTOR	A
P20	1	20	RCBO	2.5	GARAGE	GPO	A
P21	1	20	RCBO	2.5	EXTERNAL	AC	B
P22	1	20	RCBO	2.5	HALL	SCORE BOARD	B
L1	1	20	RCBO	2.5	HALL	LIGHTS	A
L2	1	20	RCBO	2.5	HALL	LIGHTS	A
L3	1	20	RCBO	2.5	HALL	LIGHTS	A
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY	A