**ELECTRICAL DESIGN GROUP**

ELECTRICAL BUILDING SERVICES CONSULTANTS

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**C3423a - FLEXIBLE LEARNING CENTRE, MT ISA - COVERED AREA** **C3423a-0004(A).xls**

**DISTRIBUTION BOARD DB-A (COVERED AREA HALL)**

**REVISION A - 27 JUNE 2025**

| | | | | REV |
|---|---|---|---|---|
| FAULT CURRENT: | 6KA | MAIN SWITCH: | 160A NON AUTO LOAD BREAK ISOLATOR | A |
| CHASSIS SIZE: | 60 POLES | SUPPLIED FROM: | SITE MSB | A |
| CHASSIS RATING: | 250A | SUPPLY CABLE: | 4C 35 | A |
| PHASES: | 3 | | | 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 |
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| 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 |
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TRADING AS – ELECTRICAL DESIGN GROUP ABN 96 092 710 793