



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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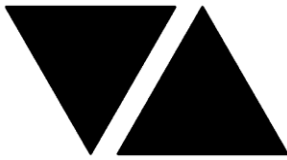
C3148a - 78 MUSGRAVE ROAD, RED HILL

C3148a-0004(A).xls

DISTRIBUTION BOARD DB-A

REVISION A - 23 NOVEMBER 2023

|  |    |                        |                   |                                |                          |             | REV |
|--|----|------------------------|-------------------|--------------------------------|--------------------------|-------------|-----|
| FAULT CURRENT:   |    | 6kA                    | MAIN SWITCH:      |                                | 160A NON AUTO LOAD BREAK |             | A   |
| CHASSIS SIZE:  |    | 2 X 74 POLES           | SUPPLIED FROM:    |                                | 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. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. |    |                        |                   |                                |                          |             | A   |
| CIRC   | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE ( mm <sup>2</sup> ) | LOCATION                 | CIRCUIT USE |     |
| P1   | 3  | 32                     | RCBO              | 6.0                            | UNDERGROFT               | AC1         | A   |
| P2   | 3  | 32                     | RCBO              | 6.0                            | UNDERGROFT               | AC2         | A   |
| P3   | 3  | 32                     | RCBO              | 6.0                            | UNDERGROFT               | AC3         | A   |
| P4   | 3  | 32                     | RCBO              | 6.0                            | UNDERGROFT               | AC4         | A   |
| P5   | 1  | 32                     | RCBO              | 4.0                            | UNDERGROFT               | AC5         | A   |
| P6   | 1  | 32                     | RCBO              | 4.0                            | UNDERGROFT               | AC6         | A   |
| P7   | 1  | 32                     | RCBO              | 4.0                            | UNDERGROFT               | AC7         | A   |
| P8   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | NBN         | A   |
| P9   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | SECURITY    | A   |
| P10  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | CR-A        | A   |
| P11  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | CR-A        | A   |
| P12  | 3  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | HWS         | A   |
| P13  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | IT          | A   |
| P14  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | IT          | A   |
| P15  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | IT          | A   |
| P16  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | IT          | A   |
| P17  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | GPOs        | A   |
| P18  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | QLD         | A   |
| P19  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | QLD         | A   |
| P20  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | OFFICES     | A   |
| P21  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | FINANCE     | A   |
| P22  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | FINANCE     | A   |
| P23  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | TRAINING    | A   |
| P24  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | AMENITY     | A   |
| P25  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | REF         | A   |
| P26  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | KITCHEN     | A   |
| P27  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | MW          | A   |
| P28  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | AUTO BOILER | A   |
| P29  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | DW          | A   |
| P30  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | PRINTER     | A   |
| P31  | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | GPOs        | A   |
| P32  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | OFFICES     | A   |
| P33  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | ADMIN       | A   |
| P34  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | ADMIN       | A   |
| P35  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | ADMIN       | A   |
| P36  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | ADMIN       | A   |
| P37  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | ADMIN       | A   |
| P38  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | OFFICES     | A   |
| P39  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | OFFICES     | A   |
| P40  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | MEETING     | A   |
| P41  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | GPOs        | A   |
| P42  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | BOARD ROOM  | A   |
| P43  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | GPOs        | A   |
| P44  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | AMENITY     | A   |
| P45  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | RECEPTION   | A   |



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| 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. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. |    |                        |                   |                                |                          |                | A   |
| CIRC   | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE ( mm <sup>2</sup> ) | LOCATION                 | CIRCUIT USE    |     |
| P46  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | KITCHEN        | A   |
| P47  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | DW             | A   |
| P48  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | AUTO BOILER    | A   |
| P49  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | MW             | A   |
| P50  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | MW             | A   |
| P51  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | REF            | A   |
| P52  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | PRINTER        | A   |
| P53  | 3  | 20                     | RCBO TC ON / OFF  | 2.5                            | ROOF                     | TOILET EXHAUST | A   |
|  |    |                        |                   |                                |                          |                |     |
|  |    |                        |                   |                                |                          |                |     |
|  |    |                        |                   |                                |                          |                |     |
|  |    |                        |                   |                                |                          |                |     |
| L1   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | LIGHTING       | A   |
| L2   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | LIGHTING       | A   |
| L3   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | LIGHTING       | A   |
| L4   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | LIGHTING       | A   |
| L5   | 1  | 20                     | RCBO              | 2.5                            | LOWER GROUND             | LIGHTING       | A   |
| L6   | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L7   | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L8   | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L9   | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L10  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L11  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
| L12  | 1  | 20                     | RCBO              | 2.5                            | GROUND                   | LIGHTING       | A   |
|  |    |                        |                   |                                |                          |                |     |
|  |    |                        |                   |                                |                          |                |     |