



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3227a - TOOWONG KIA & MITSUBISHI

C3227a-0005(C).xls

DISTRIBUTION BOARD DB-K

REVISION C - 07 MAY 2025

|                                                                                                                                                                                                                                               |    |                           |                           |                       |           |                             | REV |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------|---------------------------|-----------------------|-----------|-----------------------------|-----|
| FAULT CURRENT:                                                                                                                                                                                                                                |    | 6KA                       |                           | MAIN SWITCH:          |           | 160A LOAD BREAK<br>NON AUTO | A   |
| CHASSIS SIZE:                                                                                                                                                                                                                                 |    | 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. |    |                           |                           |                       |           |                             | A   |
| CIRC                                                                                                                                                                                                                                          | PH | CIRCUIT<br>BREAKER (amps) | CONTROL<br>EQUIPMENT      | CABLE<br>SIZE ( mm2 ) | LOCATION  | CIRCUIT<br>USE              |     |
| P1                                                                                                                                                                                                                                            | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | HOIST                       | A   |
| P2                                                                                                                                                                                                                                            | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | HOIST                       | A   |
| P3                                                                                                                                                                                                                                            | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | HOIST                       | A   |
| P4                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 20A OUTLET                  | A   |
| P5                                                                                                                                                                                                                                            | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 3PH OUTLET                  | A   |
| P6                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | BENCHES                     | A   |
| P7                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 20A OUTLET                  | A   |
| P8                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | BENCHES                     | A   |
| P9                                                                                                                                                                                                                                            | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 3PH OUTLET                  | A   |
| P10                                                                                                                                                                                                                                           | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 20A OUTLET                  | A   |
| P11                                                                                                                                                                                                                                           |    |                           |                           |                       |           |                             | B   |
| P12                                                                                                                                                                                                                                           |    |                           |                           |                       |           |                             | B   |
| P13                                                                                                                                                                                                                                           |    |                           |                           |                       |           |                             | B   |
| P14                                                                                                                                                                                                                                           | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | OFFICE                      | A   |
| P15                                                                                                                                                                                                                                           | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | RSD                         | A   |
| P16                                                                                                                                                                                                                                           | 3  | 40                        | RCBO                      | 6.0                   | WORKSHOP  | MSSB-WS                     | A   |
| P17                                                                                                                                                                                                                                           | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | WHEEL BALANCER              | C   |
| P18                                                                                                                                                                                                                                           | 3  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | 3PH OUTLET                  | C   |
|                                                                                                                                                                                                                                               |    |                           |                           |                       |           |                             |     |
|                                                                                                                                                                                                                                               |    |                           |                           |                       |           |                             |     |
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|                                                                                                                                                                                                                                               |    |                           |                           |                       |           |                             |     |
| L1                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | RECEPTION | LIGHTS                      | A   |
| L2                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   |           | LIGHTS                      | A   |
| L3                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | OFFICE    | LIGHTS                      | A   |
| L4                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | WORKSHOP  | LIGHTS                      | A   |
| L5                                                                                                                                                                                                                                            | 1  | 20                        | RCBO PE ON DUSK TC<br>OFF | 2.5                   | WORKSHOP  | LIGHTS                      | A   |
| L6                                                                                                                                                                                                                                            | 1  | 20                        | RCBO                      | 2.5                   | PARTS     | LIGHTS                      | A   |
|                                                                                                                                                                                                                                               |    |                           |                           |                       |           |                             |     |
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