



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3419a - PRINCE OF WALES HOTEL, NUNDAH

C3419a-0006(B).xls

DISTRIBUTION BOARD DB-B

REVISION B - 07 AUGUST 2025

| FAULT CURRENT: 6KA  |    |                        |                   |                                |            |                 | 100A NON AUTO LOAD BREAK | REV |
|---|----|------------------------|-------------------|--------------------------------|------------|-----------------|--------------------------|-----|
| MAIN SWITCH:  |    |                        |                   |                                |            |                 |                          | A   |
| CHASSIS SIZE: 84 POLE   |    |                        |                   |                                |            |                 |                          | A   |
| SUPPLIED FROM: DB-1   |    |                        |                   |                                |            |                 |                          | B   |
| CHASSIS RATING: 250A  |    |                        |                   |                                |            |                 | 4C+E 16                  | A   |
| PHASES: 3   |    |                        |                   |                                |            |                 |                          |     |
| REFER TO THE EQUIPMENT SCHEDULE AND NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING CIRCUITS THAT REMAIN AND THE CIRCUITS WITHIN THE AREA NOMINATED AS BEING SUPPLIED FROM DB-B TO THE NEW DB-B WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. ENSURE THE SCHEDULE INCLUDES THE CIRCUIT USE AND LOCATION. |    |                        |                   |                                |            |                 | A                        |     |
| CIRC  | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE ( mm <sup>2</sup> ) | LOCATION   | CIRCUIT USE     |                          |     |
| P1  | 1  | 20                     | RCBO              | 2.5                            | ENTRY      | FIP             | A                        |     |
| P2  | 1  | 20                     | RCBO              | 2.5                            | ENTRY      | ATM             | A                        |     |
| P3  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | GPOs            | A                        |     |
| P4  | 1  | 20                     | RCBO              | 2.5                            | AMENITY    | HD              | A                        |     |
| P5  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | ATM             | A                        |     |
| P6  | 1  | 20                     | RCBO              | 2.5                            | BAR        | GLASS WASHER    | A                        |     |
| P7  | 1  | 20                     | RCBO              | 2.5                            | BAR        | GLASS WASHER    | A                        |     |
| P8  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | GPOs            | A                        |     |
| P9  | 1  | 20                     | RCBO              | 2.5                            | AMENITY    | HD              | A                        |     |
| P10   | 1  | 20                     | RCBO              | 2.5                            | ENTRY      | AUTO DOOR       | A                        |     |
| P11   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | VISION WALL     | A                        |     |
| P12   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | VISION WALL     | A                        |     |
| P13   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | TV              | A                        |     |
| P14   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | TAB             | A                        |     |
|   |    |                        |                   |                                |            |                 |                          |     |
|   |    |                        |                   |                                |            |                 |                          |     |
| L1  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L2  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L3  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L4  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L5  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L6  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L7  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L8  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L9  | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L10   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L11   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L12   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L13   | 1  | 20                     | RCBO              | 2.5                            | SPORTS BAR | LIGHTING        | A                        |     |
| L14   | 1  | 20                     | RCBO              | 2.5                            | EXTERNAL   | TREE BUD LIGHTS | A                        |     |
|   |    |                        |                   |                                |            |                 |                          |     |
|   |    |                        |                   |                                |            |                 |                          |     |
|   |    |                        |                   |                                |            |                 |                          |     |
|   |    |                        |                   |                                |            |                 |                          |     |