



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3379a - THE LION RICHLANDS - CARPARK UPGRADE

C3379a-0006(A).xls

DISTRIBUTION BOARD DB-ED (SITE ENTRY)

REVISION A - 14 FEBRUARY 2025

| FAULT CURRENT: 6KA USING CASCADING CHASSIS SIZE: 30 POLE CHASSIS RATING: 250A PHASES: 3 | | | | | | | MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: DB-S SUPPLY CABLE: 4C25 | REV A A A 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. EACH CUBICAL MUST BE 800 WIDE. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS PROVIDE A 3 PHASE 63AMP MCB IN DB-S TO SUPPLY DB-ED VIA A 4C+E 25MM SUBMAIN. CONFIRM THE DB-ED POSITION ON SITE. PROVIDE ALL NECESSARY CABLE ACCESS FOR THE DB-ED SUBMAIN AND CIRCUITS. | | | | | | | A | |
| CIRC | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE (mm ²) | LOCATION | CIRCUIT USE | A | |
| P1 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| P2 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| P3 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| P4 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| P5 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| P6 | 1 | 20 | RCBO | 2.5 | EXTERNAL | PYLON | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| L1 | 1 | 20 | RCBO PE CELL ON DUSK OFF DAWN | 2.5 | DRIVEWAY | LIGHTING | A | |
| | | | | | | | A | |
| | | | | | | | A | |
| | | | | | | | A | |