



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3351a - REWARD PET FOODS, WILSONTON
DISTRIBUTION BOARD DB-2-3 (SOUTH NEW)
REVISION B - 28 JANUARY 2025

C3351a-0008(B).xls

| FAULT CURRENT: 6KA USING CASCADING CHASSIS SIZE: 60 POLE CHASSIS RATING: 250A PHASES: 3 | | | | | | | MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: MDB-2 SUPPLY CABLE: 4C25 | REV |
|---|----|------------------------|--|--------------------------------|----------|----------------|---|-----|
| 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. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS | | | | | | | | A |
| CIRC | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE (mm ²) | LOCATION | CIRCUIT USE | | |
| P1 | 3 | 32 | RCBO | 6.0 | INTERNAL | CHARGER | A | |
| P2 | 1 | 20 | RCBO | 2.5 | EXTERNAL | GPO | A | |
| P3 | 1 | 20 | RCBO | 2.5 | EXTERNAL | GPO | A | |
| P4 | 1 | 20 | RCBO | 2.5 | EXTERNAL | GPO | A | |
| P5 | 1 | 20 | RCBO | 2.5 | INTERNAL | GPO | A | |
| P6 | 1 | 20 | RCBO | 2.5 | INTERNAL | GPO | A | |
| P7 | 1 | 20 | RCBO | 2.5 | INTERNAL | GPO | A | |
| P8 | 1 | 20 | RCBO | 2.5 | INTERNAL | GPO | A | |
| P9 | 1 | 20 | RCBO | 2.5 | INTERNAL | GPO | A | |
| P10 | 1 | 20 | RCBO | 2.5 | INTERNAL | DOORS | A | |
| P11 | 1 | 20 | RCBO | 2.5 | INTERNAL | DOORS | A | |
| P12 | 3 | 20 | RCBO | 2.5 | EXTERNAL | 3 X 3.6KW HWS | B | |
| P13 | 1 | 20 | RCBO | 2.5 | AMENITY | GPO | A | |
| P14 | 3 | 20 | RCBO | 2.5 | INTERNAL | 20A 3PH OUTLET | B | |
| P15 | 3 | 20 | RCBO | 2.5 | INTERNAL | 20A 3PH OUTLET | B | |
| P16 | 3 | 20 | RCBO | 2.5 | INTERNAL | 20A 3PH OUTLET | B | |
| P17 | 1 | 20 | RCBO TC ON START OF SHIFT OFF END OF SHIFT | 2.5 | INTERNAL | TOILET EXHAUST | B | |
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| L1 | 1 | 20 | RCBO | 2.5 | | LIGHTS | A | |
| L2 | 1 | 20 | RCBO | 2.5 | | LIGHTS | A | |
| L3 | 1 | 20 | RCBO | 2.5 | | LIGHTS | A | |
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