LEGEND

- ELECTRICAL SERVICES SWITCHBOARD.
- SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
- SINGLE POWER OUTLET.
- DOUBLE POWER OUTLET.
- SPECIAL PURPOSE POWER OUTLET.
- SIGN CONNECTION.
- SINGLE PHASE ISOLATOR.
- THREE PHASE ISOLATOR.
- CONDUIT ROUTE.
- FBx — FLOOR BOX, TYPE AS NOTED.
- PIT x — ELECTRICAL PIT, TYPE AS NOTED.
- ONE-WAY LIGHT SWITCH.
- TWO-WAY LIGHT SWITCH.
- PD — LIGHTING CONTROL PRESENCE DETECTOR.
- SPx — LIGHTING SWITCH PANEL, TYPE x.
- CIRCUIT LINE.
- SWITCH LINE.
- xx — LIGHTING CONTROL CHANNEL REFERENCE.
- DB-x – Py — POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
- ELECTRICAL EQUIPMENT AS NOTED.
- RK — OUTLET MOUNTED WITHIN RECESS KIT.
- CAT-6 UTP RJ45 COMMUNICATIONS OUTLET.
- CAT-6 STP RJ45 COMMUNICATIONS OUTLET.
- FUSE.
- SINGLE PHASE.
- THREE PHASE.
- CURRENT TRANSFORMER C/W REMOVABLE LINK.
- FUSE LINK.
- COMBINED FUSE SWITCH.
- CIRCUIT BREAKER.
- ISOLATOR.
- RESIDUAL CURRENT DEVICE.
- NO — CONTACTOR – NORMALLY OPEN.
- NC — CONTACTOR – NORMALLY CLOSED.
- PA CEILING SURFACE SPEAKER, CAT-6 PLUG.
- PA CEILING RECESSED SPEAKER, CAT-6 PLUG.
- PA WALL SURFACE MOUNTED SPEAKER, CAT-6 PLUG.
- PA HORN.
- VP — VAPE SENSOR, CAT-6 PLUG.
- Tx — CCTV CAT-6 PLUG, TYPE AS NOTED.

LEGEND

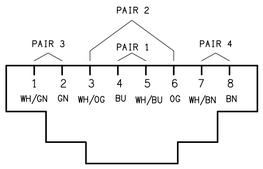
- REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
- E1 — E1: RECESSED LED EMERGENCY LIGHT, WHITE.
- E2 — E2: WALL RECESSED LED EMERGENCY LIGHT, BLACK.
- E3 — E3: SURFACE MOUNTED LED EMERGENCY LIGHT, WHITE.
- E4 — E4: WALL SURFACE MOUNTED LED EMERGENCY LIGHT, WHITE.
- EX — EX: EMERGENCY LED EXIT LIGHT.
- WP EX — EX WP: WEATHERPROOF EMERGENCY LED EXIT LIGHT.
- Lx — Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
- L1 — L1: 600 x 600 SURFACE LED FLAT PANEL, WHITE.
- L2 — L2: RECESSED AMENITY DOWNLIGHT, WHITE.
- L3 — L3: SURFACE MOUNTED ADJUSTABLE VERANDAH DOWNLIGHT, SILVER.
- L4 — L4: BREAKOUT SUSPENDED 4300 LONG LED EXTRUSION LIGHT, BLACK.
- L5 — L5: WALL MOUNTED UPLIGHT, BLACK.
- L6 — L6: NOT USED.
- L7 — L7: RECESSED 300 x 600 LED FLAT PANEL, WHITE.
- L8 — L8: RECESSED 300 x 1200 LED FLAT PANEL, WHITE.
- L9 — L9: 1200 LONG SURFACE MOUNTED BATTEN LIGHT C/W INTEGRAL SENSOR.
- L10 — L10: 1200 LONG SURFACE MOUNTED BATTEN LIGHT.
- L11 — L11: SURFACE MOUNTED CAN DOWNLIGHT, WHITE.
- L12 — L12: RECESSED OFFICE DOWNLIGHT, WHITE.
- L13 — L13: RECEPTION SUSPENDED LED EXTRUSION LIGHT, BLACK.
- L14 — L14: RECESSED 600 x 600 LED FLAT PANEL, WHITE.
- L15 — L15: RECESSED ADJUSTABLE VERANDAH DOWNLIGHT, WHITE.
- L16 — L16: EXTERNAL AREA FLOOD LIGHT.
- L17 — L17: EXISTING CAR PARK LIGHT.
- L18 — L18: RECESSED DOWNLIGHT, BLACK.
- Cx — LIGHTING CONTACTOR, TYPE AS NOTED.
- PE — LIGHTING PE CELL SENSOR.
- TC — LIGHTING TIME CLOCK.
- CR — ACCESS CONTROL CARD READER.
- ESx — ACCESS CONTROL ELECTRIC STRIKE, TYPE AS NOTED.
- SECURITY STROBE / SIREN.
- SECURITY PIEZO SIREN.
- SECURITY INTRUDER DETECTOR.
- KP — SECURITY KEY PANEL.
- PB — SECURITY ROLLER SHUTTER DOOR PUSH BUTTON.
- RSD — SECURITY ROLLER SHUTTER DOOR CONNECTION.
- S — SECURITY SMOKE ALARM.
- SSP — SECURITY SWITCH PANEL.
- CL — FULL LOAD BREAK CONTACTOR.

LEGEND

- DL — SOLAR DATA LOGGER.
- GPR — WIRELESS PROTECTION RELAY.
- GSD — SOLAR GENERATION SIGNALLING DEVICE.
- INV — SOLAR SYSTEM INVERTER.
- SM — SOLAR SMART METER.
- Mx — METER, TYPE AS NOTED.
- SPD — SURGE PROTECTION DEVICE.

NOTE

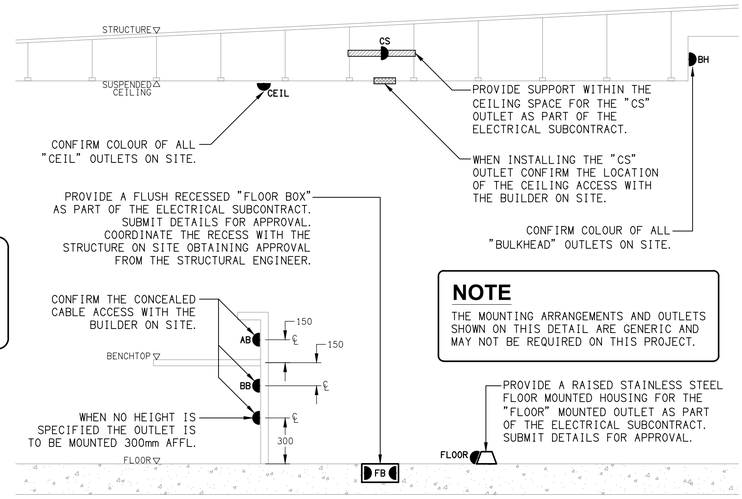
ALL ELECTRICAL PENETRATIONS THROUGH THE ROOF SHEETING ARE TO BE IN LINE WITH THE STRUCTURAL OR MECHANICAL SERVICES PENETRATIONS TO AVOID DEDICATED FLASHINGS FOR THE ELECTRICAL SERVICES.



SCHEMATIC

RJ45 PINOUT CONFIGURATION

NOT TO SCALE



NOTE

THE MOUNTING ARRANGEMENTS AND OUTLETS SHOWN ON THIS DETAIL ARE GENERIC AND MAY NOT BE REQUIRED ON THIS PROJECT.

DETAIL

TYPICAL OUTLET MOUNTINGS

NOT TO SCALE

EQUIPMENT:

TEST – TEST PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.

RESET – RESET PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.

LAMP – AMBER TEST INDICATING LAMP MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.

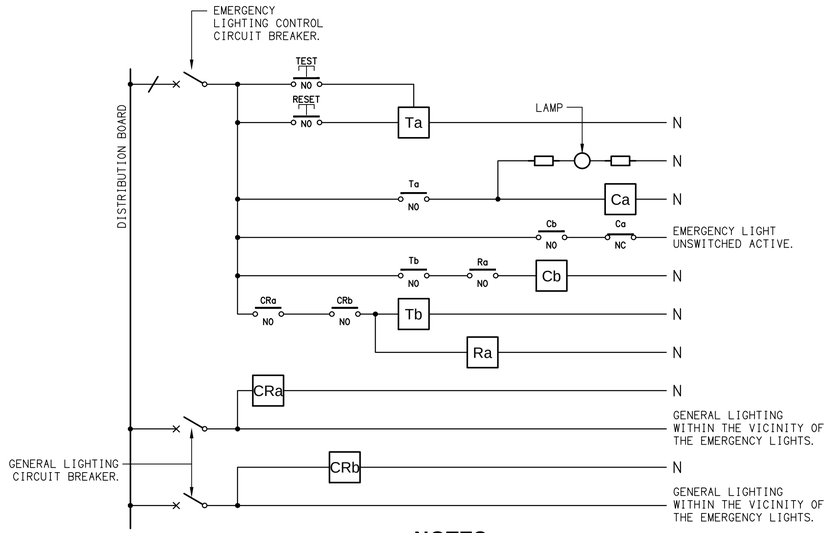
Ta – ADJUSTABLE 0-3 HOUR TIMED RELAY.

Tb – 15 MINUTE RUN-ON TIMER TO OPERATE UPON THE RETURN OF MAINS POWER.

Cx – CONTACTOR x.

CRx – CONTROL RELAY x.

Rx – RELAY x.



NOTES

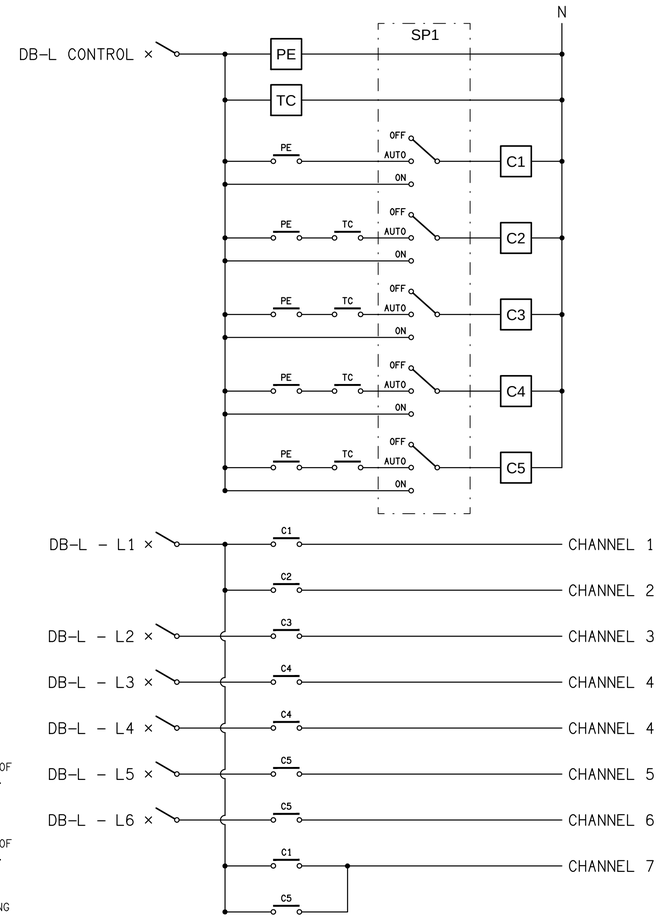
1. THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.

2. PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.

SCHEMATIC

EMERGENCY LIGHTING

NOT TO SCALE



SCHEMATIC

LIGHTING CONTROL CONFIGURATION

NOT TO SCALE

REV:	DESCRIPTION:	DATE:
E	TENDER	29/10/2026

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD
ACN 092 710 793

TRADING AS:
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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

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PROJECT:
KINGS CHRISTIAN COLLEGE WALLOON
PRIMARY WAL01

KARRABIN ROSEWOOD ROAD, WALLOON

DRAWING:
ELECTRICAL SERVICES
LEGEND & DETAILS

SCALE: NOT TO SCALE AT A1

PROJECT NO:	DRAWING NO:	REVISION:
C3826a	E01	E