

NOTES

1. EXTENT OF WORKS

THE SITE DEVELOPER (LESSOR) WILL UNDERTAKE THE FOLLOWING WORKS COMPLETED TO A POINT READY FOR THE LESSEES FIT OUT CONTRACTOR TO CONNECT AND COMPLETE:

- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- CO-ORDINATION.
- ACCESS AND CABLE PATHWAYS.
- FIXINGS AND MOUNTINGS.
- PERMANENT NON STICK LABELLING.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- OPERATION AND MAINTENANCE MANUAL.
- AS CONSTRUCTED DOCUMENTATION.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- DRIVE THROUGH SYSTEM CABLING.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE ELECTRICAL SERVICES INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, AND ALL OTHER ITEMS, WHETHER MENTIONED IN DETAIL OR NOT, REQUIRED FOR THE SATISFACTORY COMPLETION OF THE ELECTRICAL SERVICES INSTALLATION, LEAVING IN FULL WORKING ORDER TO THE SATISFACTION OF THE PROJECT MANAGER.

ACCEPT FULL RESPONSIBILITY FOR LIAISING, ARRANGING AND CO-ORDINATION OF ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.

2. WORKMANSHIP

ENSURE THAT THE WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE. ENSURE THE INSTALLATION AND ALL COMPONENTS, FIXTURES, FITTINGS, OUTLETS AND CABLES ARE SUPPLIED AND INSTALLED TO A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS. ENSURE ALL MATERIALS AND COMPONENTS OF A SIMILAR TYPE ARE OF THE SAME MANUFACTURER AND INSTALLED IN A UNIFORM MANNER.

IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE INSTALLATION IS FIT FOR PURPOSE AND IS PROVIDED AS A COMPLETE WORKING INSTALLATION. IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL COMPONENTS, FITTINGS, FIXTURES, SYSTEMS, PROGRAMMING ETC IRRESPECTIVE OF THE LEVEL DETAILED IN THE DOCUMENTS SUCH THAT THE INSTALLATION IS PROVIDED AS A COMPLETE WORKING INSTALLATION.

CONCEAL ALL WIRING AND CONDUITS. EXPOSED CABLING OR CONDUITS ARE NOT ACCEPTABLE. ENSURE ALL COMPONENTS, EQUIPMENT AND MATERIALS SUPPLIED ARE NEW, UNUSED, DESIGNED AND SELECTED TO ENSURE SATISFACTORY OPERATION UNDER VARYING ATMOSPHERIC, CLIMATIC, HUMID TROPICAL CONDITIONS WITHOUT DISTORTION AND DETERIORATION IN ANY PART AFFECTING EFFICIENCY AND RELIABILITY OF THE SYSTEMS. DESIGN AND SELECT ALL EQUIPMENT TO PROVIDE THE NECESSARY SAFETY TO HUMAN LIFE AND PROPERTY DURING OPERATION AND MAINTENANCE WITH PARTICULAR ATTENTION GIVEN TO ELECTRICAL SAFETY AND SEGREGATION PRECAUTIONS.

CHECK THE FINISHED PAINTWORK AROUND THE AREA OF EACH INSTALLATION AND TOUCH UP ALL DAMAGED PARTS AND FINISHES AFTER THE INSTALLATION OF THE ELECTRICAL SERVICES.

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDER'S PROGRAM. ENSURE ALL FINAL LOCATIONS OF OUTLETS AND FITTINGS ARE CO-ORDINATED ONSITE WITH THE ARCHITECT AND ALL OTHER SERVICES, TO THE APPROVAL OF THE PROJECT MANAGER. ALLOW TO CO-ORDINATE THE FINAL LOCATION OF ALL EQUIPMENT, FITTINGS, & OUTLETS, SUCH THAT THEY ARE INSTALLED IN ACCORDANCE WITH THE AS3000 RESTRICTED ZONES, AND ARE NOT COVERED INAPPROPRIATELY.

ENSURE THAT ALL METAL SURFACES ARE SUITABLY PROTECTED AGAINST CORROSION, AND THAT ALL PLASTIC MATERIALS ARE UV STABILISED.

PROVIDE ALL MATERIALS AS NEW, AND OF THE HIGHEST CLASS AVAILABLE FOR THEIR RESPECTIVE TYPES. ENSURE ALL ASPECTS OF THE WORK ARE OF A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS.

UNDER NO CIRCUMSTANCES ARE CORRUGATED CONDUITS ALLOWED TO BE RUN WITHIN THE KITCHEN AREA INCLUDING UNDER AND BEHIND BENCHES OR COUNTERS.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE ELECTRICAL SERVICES DOCUMENTS OR IN INSTRUCTIONS, IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ELECTRICAL SERVICES WORKS ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING. REFER ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE FOLLOWING AND/OR THE ELECTRICAL SERVICES DOCUMENTS AND INSTRUCTIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PLACING OF ORDERS, FABRICATION OR INSTALLATION OF THE ITEMS/METHODS IN DISCREPANCY.

- NCC BUILDING CODE OF AUSTRALIA.
- ELECTRICITY ACT.
- ELECTRICAL SAFETY ACT.
- AS/NZS3000.
- AS3008.
- AS1170.4.
- WORKPLACE HEALTH AND SAFETY ACT.
- TELECOMMUNICATIONS ACT.
- ACMA REQUIREMENTS.

4. AUTHORITIES

ENSURE ALL OF THE ELECTRICAL SERVICES COMPLY WITH THE REQUIREMENTS OF ALL REGULATORY AUTHORITIES HAVING JURISDICTION OVER THE SITE INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- ACMA.
- LOCAL COUNCIL.
- LOCAL SUPPLY AUTHORITY.
- STATE GOVERNMENT DEPARTMENT OF ENVIRONMENT AND HERITAGE.
- STATE GOVERNMENT DEPARTMENT OF WORKPLACE, HEALTH AND SAFETY.
- LOCAL FIRE AND RESCUE AUTHORITY.

5. CABLES

UNLESS OTHERWISE SPECIFIED, INSTALL AND TERMINATE CABLES IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. DETERMINE THE FINAL ROUTES TO SUIT THE BUILDING STRUCTURE AND SITE CONDITIONS. UNLESS NOTED OTHERWISE, PROVIDE ALL 240 VOLT POWER AND LIGHTING WIRING AS 2.5mm² TWIN & EARTH STRANDED COPPER CONDUCTORS, PVC INSULATED 0.6/1kv V75 GRADE TO AS3174, PROTECTED BY A 20 AMP 30mAMP RCBO CIRCUIT BREAKER. ALL CONDUIT AND FITTINGS TO BE RIGID UPVC TO AS2053, UNLESS NOTED OTHERWISE. DO NOT JOIN CABLE UNLESS SPECIFICALLY NOTED. DO NOT USE INSULATION TAPE. DO NOT USE POWER BOARDS.

NOTES

6. POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A NEW SUPPLY AUTHORITY PADMOUNT SUBSTATION. FROM THE PADMOUNT SUBSTATION PROVIDE UNDERGROUND CONSUMERS MAINS TO THE KFC TENANCY DISTRIBUTION BOARD DB-KFC (MSB) WHICH WILL CONTAIN THE RETAIL METERING.

ARRANGE ALL NECESSARY APPLICATIONS AND PAPERWORK WITH ENERGEX AND THE DEVELOPERS RETAILER TO HAVE A NMI CREATED FOR THE SITE, THE METERING INSTALLED AND THE POWER CONNECTED. THIS IS TO INCLUDE THE CONNECTION OF THE KFC TENANCY PV SYSTEM.

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- POWER DISTRIBUTION.
- EARTHING.
- SUPPLY AUTHORITY COORDINATION.
- HV LEAD-IN SERVICES.
- ENERGEX CONDUITS.
- SUBSTATION CIVIL WORKS.
- TRENCHING.
- PITS.
- CONDUITS.
- CONSUMERS MAINS.
- METERING.
- (MSB) KFC TENANCY DISTRIBUTION BOARD (DB-KFC)
- EARTHING.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- THERMOSCAN THE MSB / DB-KFC ONE WEEK AFTER THE STORE HAS COMMENCED OPERATION WHEN THE LOAD IS WITHIN 90% OF ITS MAXIMUM AND SUBMIT THE THERMOSCAN FOR APPROVAL.

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT ALSO INCLUDES THE FOLLOWING WORKS ASSOCIATED WITH THE KFC TENANCY:

- POWER TO THE KFC AMENITIES, BIN ROOM AND EXTERNAL.
- POWER TO THE KFC AIRCONDITIONING AND VENTILATION.
- POWER TO THE KFC DRIVE THROUGH SERVICES.
- POWER TO ALL EXTERNAL SIGNAGE.
- KFC TENANCY PV SYSTEM.

7. LIGHTING

THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, THOUGH IT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- LIGHTING.
- EXTERNAL LIGHTING AND SIGNAGE WIRING PROVIDED BY THE SITE DEVELOPER.
- LIGHT FITTINGS AND ACCESSORIES.
- BIN ROOM AND AMENITIES LIGHTING INCLUDING LOCAL AUTOMATIC LIGHTING CONTROL.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- EXTERNAL LIGHTING CONTROL AS PART OF DB-KFC.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.

PROVIDE A SINGLE POINT EMERGENCY LIGHTING SYSTEM THAT COMPLIES WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS MAINTAINED WITH THE LAMP PERMANENTLY ON SUPPLIED VIA AN UNSWITCHED ACTIVE MAINS SUPPLY WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE, THE LAMP IS TO REMAIN ON SUPPLIED BY THE EMERGENCY PACK. SINGLE LAMP MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ALWAYS ON.)

INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS NON-MAINTAINED AS FOLLOWS:

- IF THE FITTING IS NOT BEING SWITCHED, THE LAMP IS TO REMAIN OFF WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON SUPPLIED BY THE EMERGENCY PACK. UNSWITCHED SINGLE LAMP NON-MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ON ONLY WHEN THE MAINS SUPPLY IS NOT AVAILABLE.)
- IF THE FITTING IS BEING SWITCHED, THE LAMP IS TO BE SUPPLIED AND CONTROLLED WITH THE LOCAL GENERAL AREA LIGHTING WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON, SUPPLIED BY THE EMERGENCY PACK. (THE LAMP IS ON WHEN TURNED ON WITH THE LOCAL GENERAL LIGHTING OR THE MAIN SUPPLY IS NOT AVAILABLE.)

INSTALL EMERGENCY LIGHTS SUCH THAT THE STATUS INDICATOR L.E.D. IS CLEARLY VISIBLE AND THE TEST BUTTONS ARE READILY ACCESSIBLE. LABEL EACH CIRCUIT BREAKER WHICH CONTROLS THE UNSWITCHED ACTIVE TO EXIT LIGHTS WITH A LABEL FIXED ADJACENT; ENGRAVED PLASTIC LAMINATE, GREEN BACKGROUND WITH WHITE CHARACTERS: -

WARNING  
INTERRUPTING SUPPLY WILL DISCHARGE  
EMERGENCY LIGHTING BATTERIES

PROVIDE WRITTEN EVIDENCE OF THE INITIAL COMMISSIONING AND TESTING AND TESTING FOR THE DURATION OF THE MAINTENANCE PERIOD IN ACCORDANCE WITH AS 2293.2.

THIS EVIDENCE IS TO BE IN THE FORM OF A LOG BOOK SIMILAR TO THE GENERAL LIGHTING SERVICE PTY LTD "EMERGENCY LIGHTING MAINTENANCE LOG BOOK AND MANUAL" WHICH IS TO BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR AND HAVE ALL ENTRIES FULLY COMPLETED AND BE PRESENTED FOR INSPECTION AT PRACTICAL COMPLETION. THE LOG BOOK IS TO BE RETAINED BY THE ELECTRICAL SUB-CONTRACTOR FOR THE DURATION OF THE MAINTENANCE PERIOD, AND THE SIX MONTHLY TEST AND MAINTENANCE RESULTS ENTERED. THE LOG BOOK IS TO BE PRESENTED FOR APPROVAL AT FINAL COMPLETION (EXPIRY OF THE MAINTENANCE PERIOD) AND WILL BE FORWARDED TO THE OPERATOR FOR THEIR USE.

PROVIDE MAINTENANCE OF THE EMERGENCY AND EXIT LIGHTING INSTALLATION INCLUDING RECORDS IN ACCORDANCE WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. PROVIDE THE EMERGENCY LIGHTING SYSTEM WITH A SUPPLY SENSING AND TESTING FACILITY IN ACCORDANCE WITH AS 2293.1.

NOTES

8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES PROVISION OF NBN SERVICES TO A PCD AND NTD WITHIN THE KFC TENANCY AS WELL AS SPARE PITS AND CONDUITS TO THE NBN REQUIREMENTS FOR THE FUTURE TENANCY AND UNITS. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT ALSO INCLUDES THE FOLLOWING WORKS ASSOCIATED WITH THE KFC TENANCY:

- COMMUNICATIONS CABLING FROM THE KFC NTU COILED UP IN THE CEILING SPACE ABOVE THE KFC TENANCY COMMUNICATIONS RACK POSITION.
- COMMUNICATIONS CABLING FROM THE DRIVE THRU MENU SCREEN COILED UP IN THE CEILING SPACE ABOVE THE KFC TENANCY COMMUNICATIONS RACK POSITION.
- COMMUNICATIONS CABLING FROM THE DRIVE THRU PREVIEW SCREEN COILED UP IN THE CEILING SPACE ABOVE THE KFC TENANCY COMMUNICATIONS RACK POSITION.

9. DRIVE THROUGH SYSTEM CABLING

THE DRIVE THROUGH SYSTEM CABLING COMPONENT OF THIS CONTRACT INCLUDES TAKING POSSESSION OF THE DRIVE THROUGH SYSTEM CABLING AND INSTALLING THE CABLING FOR TERMINATION AND USE BY THE SPECIALIST DRIVE THROUGH SYSTEM FIT OUT CONTRACTOR. THE DRIVE THROUGH SYSTEM CABLING COMPONENT OF THIS CONTRACT INCLUDES THOUGH IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- INSTALLATION OF THE PRE WARNING AND ORDER POINT INDUCTION LOOP CABLING TO THE ORDER BOLLARD.
- INSTALLATION OF THE PAY WINDOW INDUCTION LOOP TO AN A1 JUNCTION BOX ADJACENT TO THE PAY WINDOW 1.
- INSTALLATION OF THE PICKUP WINDOW INDUCTION LOOP TO AN A1 JUNCTION BOX ADJACENT TO THE PICK UP WINDOW 2.
- INSTALLATION OF 5 X BELDEN 8723 CABLES FROM THE ORDER BOLLARD TO THE DRIVE THROUGH CONTROL PANEL.
- INSTALLATION OF A BELDEN 8723 CABLE FROM THE PAY WINDOW INDUCTION LOOP JUNCTION BOX A1 TO THE DRIVE THROUGH CONTROL PANEL.
- INSTALLATION OF A BELDEN 8723 CABLE FROM THE PICK UP WINDOW INDUCTION LOOP JUNCTION BOX A1 TO THE DRIVE THROUGH CONTROL PANEL.

10. ABBREVIATIONS

- A - AMP CURRENT RATING
- AB - MOUNT ABOVE BENCH.
- AFFL - ABOVE FINISHED FLOOR LEVEL.
- BB - MOUNT BELOW BENCH.
- BH - MOUNT ON BULKHEAD.
- CEIL - MOUNT ON CEILING.
- CR - COMMUNICATIONS RACK.
- CS - MOUNT WITHIN CEILING SPACE.
- C/W - COMPLETE WITH.
- DB - DISTRIBUTION BOARD.
- MCB - MINIATURE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- MSBS - MECHANICAL SERVICES SWITCHBOARD.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- RCD - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER.
- REF - REFRIGERATOR.
- SP - SWITCH PANEL.
- UNO - UNLESS NOTED OTHERWISE.
- WP - WEATHERPROOF TO IP56 UNO.
- 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.



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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

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REV:	DESCRIPTION:	DATE:

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TRADING AS:  
ELECTRICAL DESIGN GROUP

PROJECT:

**KFC  
BURLEIGH CONNECTION  
ROAD**

SITE ADDRESS:

219-223 BURLEIGH CONNECTION  
ROAD, BURLEIGH HEADS, GOLD COAST

SCALE: SHEET SIZE:

NOT TO SCALE AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES  
NOTES**

PROJECT NO: DRAWING NO: REVISION:

**C2256a E04 D**