

NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES SUB-CONTRACT IS TO BE UNDERTAKEN AS A DESIGN AND CONSTRUCT CONTRACT WITH THE ELECTRICAL SUB-CONTRACTOR TAKING RESPONSIBILITY FOR ALL ASPECTS OF THE ELECTRICAL SERVICES DESIGN, DOCUMENTATION AND INSTALLATION. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- DESIGN AND BUILDING APPROVAL CERTIFICATION.
- DESIGN DOCUMENTATION FOR APPROVAL.
- FOR CONSTRUCTION DOCUMENTATION.
- ELECTRICAL AUTHORITY APPLICATIONS, NEGOTIATIONS AND APPROVALS.
- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS.
- INTRUDER DETECTION.
- CCTV.
- MATV.
- BACKGROUND MUSIC.
- MODIFICATION, RELOCATION AND EXTENSION AS NECESSARY OF ALL EXISTING SERVICES THAT ARE IMPACTED BY THE WORKS OR REQUIRED TO BE EXTENDED BY THE WORKS.
- REMOVAL OF ALL EXISTING SERVICES MADE REDUNDANT BY THE WORKS.
- AS CONSTRUCTED DOCUMENTS.
- ANY TEMPORARY WORKS REQUIRED TO KEEP THE CLUB OPERATING DURING THE CONSTRUCTION PROCESS.
- 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.

THE CURRENT ELECTRICAL SERVICES DESIGN AND DOCUMENTATION HAS BEEN DEVELOPED TO BE 75% COMPLETE TO ALLOW THE SCOPE TO BE ESTABLISHED AND THE WORKS PRICED AS A DESIGN AND CONSTRUCT ELECTRICAL SUB CONTRACT. THE RESOLUTION OF THE DESIGN AND DOCUMENTATION IS TO BE UNDERTAKEN BY THE ELECTRICAL SERVICES SUB-CONTRACTOR AS PART OF THE WORKS. THIS RESOLUTION INCLUDES THOUGH IS NOT LIMITED TO ESTABLISHING / CONFIRMING AND RESOLVING THE REQUIREMENT OF THE FOLLOWING INCLUDING, SIZES, POSITIONS, CONNECTION TYPES, QUANTITIES ETC:

- FOOD AND BEVERAGE SERVICES
- REFRIGERATION SERVICES.
- HYDRAULIC SERVICES
- FIRE ALARM SERVICES
- ILLUMINATED AND DIGITAL SIGNAGE
- ARCHITECTURE INCLUDING JOINERY
- MECHANICAL SERVICES

PRIOR TO COMMENCING WORK CONSULT SITE MANAGEMENT FOR ANY HAZARDOUS MATERIAL AND OR ASBESTOS REGISTERS AS WELL AS UNDERTAKE A THOROUGH INSPECTION OF THE SITE TO IDENTIFY ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS. ADVISE THE CONTRACTOR OF ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS IF IDENTIFIED AND DO NOT COMMENCE WORK UNTIL AN APPROPRIATE MANAGEMENT PLAN HAS BEEN DEVELOPED AND AGREED TO BY ALL PARTIES.

IDENTIFY ALL EXISTING UNDERGROUND SERVICES WITHIN THE SCOPE OF THE WORKS PRIOR TO UNDERTAKING ANY EXCAVATION. 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.

REFER TO THE EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

ANY INTERRUPTION TO THE POWER SUPPLY TO ANY SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE CLUBS OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.

2. WORKMANSHIP

ENSURE THAT THE ELECTRICAL WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE AND THE SERVICES COVERED BY THE ACMA IS PERFORMED BY THE HOLDER OF THE APPROPRIATE CURRENT ACMA 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 GENERALLY NOT ACCEPTABLE. IT IS NOTED THAT CHASING AND REINSTATEMENT WILL BE REQUIRED. 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.

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.
- ENERGEX REQUIREMENTS.
- THE QUEENSLAND ELECTRICITY CONNECTION MANUAL V4 (QECM) AND THE NATIONAL ELECTRICITY METERING STANDARDS (NEM).
- AS/NZS3000.
- AS3008.
- LOCAL BRIGADE.
- WORKPLACE HEALTH AND SAFETY ACT.
- TELECOMMUNICATIONS ACT.
- ACMA REQUIREMENTS.

NOTES

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.
- QLD GOVERNMENT, DIVISION OF WORKPLACE, HEALTH AND SAFETY.
- QLD FIRE AND EMERGENCY SERVICES.

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 CIRCUIT BREAKER. ALL CONDUIT AND FITTINGS TO BE RIGID UPVC TO AS2053, UNLESS NOTED OTHERWISE.

6. POWER DISTRIBUTION

ARRANGE WITH ENERGEX TO HAVE THE SUPPLY UPGRADED TO 800 AMPS AND THE EXISTING PADMOUNT SUBSTATION UPGRADED AS NECESSARY. PROVIDE NEW UNDERGROUND CONSUMERS MAIN FROM THE SUBSTATION TO A NEW MAIN SWITCHBOARD.

THE EXISTING MAIN SWITCHBOARD IS TO BECOME A MAIN DISTRIBUTION BOARD DESIGNATED MDB. THE EXISTING CONSUMERS MAINS, RETAIL METERING, MEN LINK, EARTH STAKE AND SUPPLY TO DB-K ARE TO BE REMOVED ALONG WITH ANY ASSOCIATED LABELLING UPDATED.

PROVIDE A SUBMAIN FROM THE MSB TO THE MDB RUN UNDERGROUND FROM THE MSB PIT TO THE LOADING DOCK / DB-K RISER THEN THROUGH THE CEILING SPACE TO THE MDB. PROVIDE ALL NECESSARY CABLE ACCESS WAYS AND CEILING MODIFICATIONS INCLUDING ACCESS PANELS TO FACILITATE THE INSTALLATION OF THE NEW SUBMAIN TO THE MDB. PROVIDE A SUBMAIN FROM THE MSB TO A NEW KITCHEN DISTRIBUTION BOARD DB-K RUN UNDERGROUND FROM THE MSB PIT TO THE LOADING DOCK / DB-K RISER. THE KITCHEN REFRIGERATION SWITCHBOARD AND MECHANICAL SERVICES SWITCHBOARD ARE TO BE SUPPLIED FROM DB-K. PROVIDE THE MSB AND DB-K TO ACCOMMODATE THE FAULT LEVEL AS PROVIDED BY A 1,000kVA ENERGEX PADMOUNT SUBSTATION. PROVIDE THE SITE MAIN SWITCHBOARD (MSB) AS FOLLOWS:

- PLINTH MOUNTED MECHANICALLY FIXED TO THE WALL.
- NATIONAL ELECTRICITY MARKET (NEM) COMPLIANT RETAIL METERING.
- PROVIDE A COPY OF THE ENERGEX APPROVAL OF THE MSB.
- MANUAL GENERATOR CHANGE OVER FACILITY WITH A MECHANICAL INTERLOCK BETWEEN THE MAINS AND GENERATOR SUPPLY.
- FACILITY TO CONNECT TEMPORARY GENERATOR MAINS OF THE SAME SIZE AS THE CONSUMERS MAINS THROUGH THE MSB PIT TO THE CHANGE OVER FACILITY.
- IP66 FORM 441H.
- 316 STAINLESS STEEL OR ALUMINIUM ENCLOSURE. DOORS AND ESCUTCHEONS.
- POWDER COATED LIGHT GREY ENCLOSURE AND DOORS.
- POWDER COATED GLOSS WHITE ESCUTCHEONS.
- INTERNAL TEMPERATURE CONTROLLED ANTI CONDENSATION HEATER IN EACH CUBICAL.
- ENSURE THE MSB IS DESIGNED TO OPERATE IN DIRECT SUNLIGHT WITH AN AMBIENT TEMPERATURE OF 45 DEGREES.
- DOORS ON ALL CUBICLES WITH 3 POINT 92268 KEY LOCKABLE HANDLES OTHER THAN THE METER CUBICAL DOOR WHICH IS TO HAVE AN ENERGEX PADLOCK.
- LIFT OFF HINGES ON ALL DOORS AND ESCUTCHEONS.
- 1/4 TURN LATCHES AND D HANDLES ON ALL ESCUTCHEONS.
- ALL SWITCHGEAR TO BE SCHNEIDER OR NHP / TERASAKI.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.
- ENERGEX PADLOCK ON THE METER CUBICAL.
- TWO ENERGEX PADLOCK KEYS AND TWO 92268 KEYS.

PROVIDE DISTRIBUTION BOARD DB-K AS FOLLOWS:

- WALL MOUNTED.
- IP44 FORM 2B1.
- LIGHT GREY ENCLOSURE WHITE ESCUTCHEON.
- 3 POINT LOCKABLE HANDLES ON ALL DOORS.
- LIFT OFF HINGES ON ALL DOORS AND ESCUTCHEONS.
- 1/4 TURN LATCHES AND D HANDLES ON ALL ESCUTCHEONS.
- ALL SWITCHGEAR TO BE SCHNEIDER OR NHP / TERASAKI.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.
- 40% SPARE POLES AT PRACTICAL COMPLETION.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.
- A CIRCUIT BREAKER TO SUPPLY THE KITCHEN REFRIGERATION SWITCHBOARD.
- A CIRCUIT BREAKER TO SUPPLY THE KITCHEN MECHANICAL SERVICES SWITCHBOARD.

ENSURE ALL THREE PHASE CIRCUITS ARE PROVIDED WITH CORRECT PHASE ROTATION.

ENSURE ALL OUTLETS AND ISOLATORS ARE POSITIONED SUCH THAT THEY ARE NOT COVERED BY THE EQUIPMENT. THE FINAL POSITION OF ALL OUTLETS AND ISOLATORS ARE TO BE CONFIRMED ON SITE BY THE TENANTS REPRESENTATIVE.

ALL PENDANT OUTLETS ARE TO BE PROVIDED WITH A CHAIN RESTRAINT FROM THE CEILING.

DO NOT USE CORRUGATED CONDUIT UNDER ANY BARS, SERVERIES, OR IN THE KITCHEN

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

- POWER DISTRIBUTION.
- ENERGEX PADMOUNT SUBSTATION UPGRADE.
- RETAIL METERING.
- CONSUMERS MAINS.
- MAIN SWITCHBOARD.
- MAIN SWITCHBOARD TRENCH / PIT 1 INCLUDING A SUMP PUMP AND GALVANIZED STEEL LID SYSTEM.
- SUBMANS.
- DISTRIBUTION BOARD DB-K.
- UPDATE THE MDB LABELLING.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.

7. LIGHTING

ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.

ALL LIGHT SOURCES ARE TO BE SOLID STATE WITH AN AVERAGE LIFE OF 50,000 HOURS AND A MANUFACTURERS WARRANTY OF 5 YEARS. THE FRONT OF HOUSE LIGHTING IS TO BE 3,000K AND THE BACK OF HOUSE LIGHTING 4,000K. COORDINATE THE FITTING COLOURS WITH THE ARCHITECTURE / INTERIORS.

PROVIDE DIMMING OF THE FRONT OF HOUSE LIGHTING UTILISING DALI CONTROL VIA AN EXPANSION OF THE EXISTING LIGHTING CONTROL SYSTEM. THE FRONT OF HOUSE LIGHTING CURRENTLY DETAILED HAS BEEN INCLUDED AS A BASE LINE THAT MUST BE ALLOWED FOR. UNDERTAKE A DESIGN PROCESS WITH ALL RELEVANT PARTIES TO FURTHER DEVELOP THE FRONT OF HOUSE LIGHTING TO THE SATISFACTION OF ALL PARTIES.

MODIFY / RELOCATE ALL OF THE EXISTING LIGHTING CONTROLS AS NECESSARY TO ACCOMMODATE THE WORKS.

DO NOT SUPPLY MORE THAN 25 DRIVERS FROM A SINGLE CIRCUIT.

NOTES

7. LIGHTING (CONTINUED)

PROVIDE DB-K WITH 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.

8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF THE EXISTING LEVEL 1 COMMUNICATIONS RACKS CR-1, CR-2, AND CR-3 TO REFLECT THE NEW LEVEL 1 LAYOUT. IN ADDITION TO THE RACK RELOCATION THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT ALSO INCLUDES ADDITIONAL CAT 6 OUTLETS, CABLING AND PATCH PANELS NECESSARY TO FACILITATE THE WORKS.

UNDERTAKE A COMPREHENSIVE AUDIT OF THE EXISTING COMMUNICATIONS CABLING AND PROVIDE A WRITTEN REPORT PRIOR TO CONSTRUCTION COMMENCING IDENTIFYING THE FOLLOWING FOR ALL COMMUNICATIONS CABLES INCLUDING TELEPHONE AND DATA CABLES:

- THE FULL ROUTE OF ALL CABLES.
- THE STATUS OF EACH CABLE (IT USE, UNUSED / SPARE OR REDUNDANT).
- THE TYPE OF EACH CABLE.
- THE SOURCE AND DESTINATION OF EACH CABLE.
- IF THE CABLE WILL BE REMOVED AS PART OF THE PROPOSED WORKS.

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

- RELOCATION OF COMMUNICATIONS RACKS CR-1, CR-2 AND CR-3.
- PATCH PANELS AS NECESSARY.
- CAT 6 COMMUNICATIONS OUTLETS AND CABLING.
- CAT 6 CCTV OUTLETS AND CABLING.
- AUDIT.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING COMMUNICATIONS CABLING MADE REDUNDANT BY THE WORKS.

9. INTRUDER DETECTION.

THE INTRUDER DETECTION COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF AND ADDITIONS TO THE EXISTING INTRUDER DETECTION SYSTEM TO FACILITATE THE WORKS. ALL OF THE MODIFIED AREAS ARE TO BE PROVIDED WITH THE SAME LEVEL OF COVERAGE AS THE EXISTING CLUB.

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

- MODIFICATION OF THE EXISTING DATA GATHERING PANELS AS NECESSARY.
- ADDITIONAL DATA GATHERING PANELS AS NECESSARY.
- EXPANSION OF THE SECURITY LAN AS NECESSARY.
- INTRUDER DETECTORS AND ASSOCIATED CABLING TO THE DATA GATHERING PANEL.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING INTRUDER DETECTION COMPONENTS AND CABLING MADE REDUNDANT BY THE WORKS.

10. CCTV.

THE CCTV COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF AND ADDITIONS TO THE EXISTING CCTV SYSTEM TO FACILITATE THE WORKS. ALL OF THE MODIFIED AREAS ARE TO BE PROVIDED WITH THE SAME LEVEL OF COVERAGE AS THE EXISTING CLUB.

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

- MODIFICATION OF THE EXISTING CAMERAS AND CABLING AS NECESSARY.
- ADDITIONAL CAMERAS AND CABLING AS NECESSARY.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING CCTV COMPONENTS AND CABLING MADE REDUNDANT BY THE WORKS.

11. MATV.

THE MATV COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF AND ADDITIONS TO THE EXISTING MATV SYSTEM TO FACILITATE THE WORKS. ALL OF THE TELEVISION SETS WITHIN THE MODIFIED AREAS ARE TO BE PROVIDED WITH CONNECTION TO THE MATV SYSTEM.

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

- MODIFICATION OF THE EXISTING MATV DISTRIBUTION SYSTEM AS NECESSARY.
- ADDITIONAL MATV OUTLETS AND CABLING AS NECESSARY.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING MATV SYSTEM COMPONENTS AND CABLING MADE REDUNDANT BY THE WORKS.

12. BACKGROUND MUSIC.

THE BACKGROUND MUSIC COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF AND ADDITIONS TO THE EXISTING BACKGROUND MUSIC SYSTEM TO FACILITATE THE WORKS. ALL OF THE MODIFIED AREAS ARE TO BE PROVIDED WITH THE SAME LEVEL OF COVERAGE AS THE EXISTING CLUB.

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

- MODIFICATION OF THE EXISTING SPEAKERS AND ASSOCIATED CABLING AS NECESSARY.
- ADDITIONAL SPEAKERS AND CABLING AS NECESSARY.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING BACKGROUND MUSIC SYSTEM COMPONENTS AND CABLING MADE REDUNDANT BY THE WORKS.

A	TENDER	05/04/2024
REV:	DESCRIPTION:	DATE:
DRAWING: ELECTRICAL SERVICES NOTES		
SCALE: NOT TO SCALE AT A1	PROJECT NO: C2957a	DRAWING NO: E07
	REVISION: A	

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