

NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES SUB-CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- CO-ORDINATION.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- CABLE ACCESS.
- REMOVE / RELOCATE ALL EXISTING ELECTRICAL SERVICES AS NECESSARY TO FACILITATE THE INSTALLATION OF THE TWO NEW AUTO DOORS. - 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.

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.

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 LIASING, ARRANGING AND CO-ORDINATION ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.

REMOVE ALL OF THE EXISTING ELECTRICAL SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

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 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.
- AS/NZS3000.
- AS3008.
- AS1670.
- 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.
- QLD GOVERNMENT, DIVISION OF WORKPLACE, HEALTH AND SAFETY.
- QLD 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 CIRCUIT BREAKER. ALL CONDUIT AND FITTINGS TO BE RIGID UPVC TO AS2053, UNLESS NOTED OTHERWISE.

NOTES

6. EXHAUST FANS

PROVIDE BRANCH UPPER LEVEL KITCHEN AND BATHROOM WITH EXHAUST FANS TO ALLOW THE USER TO MANUALLY EXHAUST ANY STEAM, FUMES AND SMOKE GENERATED IN THE KITCHEN TO AVOID GENERATING AN UNWANTED ALARM. PROVIDE THE EXHAUST FANS WITH THE FOLLOWING:

- SIZE THE KITCHEN EXHAUST FAN TO EXHAUST THE ENTIRE VOLUME OF AIR CONDITIONED WITHIN THE KITCHENS SMOKE RESERVOIR EVERY TEN SECONDS.
- INCLUDE ALL BUILDER WORKS INCLUDING PENETRATIONS AND SUPPORTS AS NECESSARY TO INSTALL THE EXHAUST FANS.
- PROVIDE AN EXTERNAL COVER TO THE EXHAUST SYSTEM THAT IS VERMIN AND WEATHER PROOF COLOURED TO MATCH THE EXISTING ADJACENT EXTERNAL FINISH COLOUR. ENSURE THE EXTERNAL COVER IS UV STABILISED AND CORROSION RESISTANT. THE COVER IS TO BE TRUE AND SQUARE WITH THE ADJACENT BUILDING FEATURES.
- SEAL / FLASH THE EXTERNAL PENETRATION SUCH THAT IT IS WEATHER PROOF TO THE SAME LEVEL AS THE EXISTING SURFACE.
- PROVIDE AN INTERNAL COVER TO THE EXHAUST SYSTEM THAT IS VISUALLY APPROPRIATE FOR THE LOCATION AND MATCHES THE EXISTING ADJACENT EXTERNAL FINISH COLOUR. THE COVER IS TO BE TRUE AND SQUARE WITH THE ADJACENT BUILDING FEATURES.
- PROVIDE THE EXHAUST FANS WITH A CONCEALED POWER SUPPLY FROM THE LOCAL GPO CIRCUIT.
- CONTROL EACH EXHAUST FAN FROM A MANUAL SWITCH LOCATED IN A READILY ACCESSIBLE POSITION WITHIN THE ROOM BEING EXHAUSTED BY THE FAN. ENGRAVE THE SWITCH FACEPLATE WITH 5MM HIGH BLACK CAPITAL TEXT "SMOKE EXHAUST FAN" SUBMIT DETAILS OF THE EXTERNAL COVER, INTERNAL COVER AND FAN FOR APPROVAL.

LEGEND

L1  L1: EXISTING BRANCH EXTERNAL WALL LIGHT TO REMAIN AS IS.

L2  L2: PROVIDE THE L2 AS A NEW EXTERNAL WALL LIGHT TO MATCH THE EXISTING L1 FITTING INCLUDING STYLE, COLOUR MOUNTING HEIGHT AND COLOUR TEMPERATURE. UTILISE THE EXISTING LONGREACH TAVERN EXTERNAL LIGHTING BEER GARDEN CIRCUIT TO SUPPLY THE NEW L2 FITTINGS. ENSURE ALL CABLING AND CONDUITS TO THE L2 FITTINGS IS CONCEALED.

L3  L3: PROVIDE THE L3 AS A NEW EXTERNAL WALL LIGHT TO MATCH THE EXISTING L1 FITTING INCLUDING STYLE, COLOUR MOUNTING HEIGHT AND COLOUR TEMPERATURE. UTILISE THE EXISTING STORE EXTERNAL LIGHTING CIRCUIT TO SUPPLY THE NEW L3 FITTINGS. ENSURE ALL CABLING AND CONDUITS TO THE L3 FITTINGS IS CONCEALED.

L4  L4: RELOCATE THE EXISTING BRANCH L4 EXTERNAL WALL LIGHT AND FEATURE PANEL TO ACCOMMODATE THE NEW DOOR WAY. UTILISE THE EXISTING CIRCUIT. ENSURE ALL CABLING AND CONDUITS TO THE RELOCATED L4 FITTINGS IS CONCEALED.

L5  L5: NOT USED.

L6  L6: REMOVE THE EXISTING TROFFER LIGHTS AND REPLACE THE MISSING CEILING TILE WITH A NEW TILE TO MATCH THE EXISTING CEILING TILES.

L7  L7: PROVIDE THE L7 FITTINGS AS NEW RECESSED 8W WARM WHITE LED DOWNLIGHT EQUAL TO M-ELEC ML-MRA-8W. UTILISE THE EXISTING LIGHTING CIRCUIT WITH IN THE ASSOCIATED SPACE TO SUPPLY / CONTROL THE NEW L7 FITTINGS.

E1  E1: PROVIDE THE E1 FITTING AS AN AS2293.1 NON MAINTAINED SINGLE POINT EMERGENCY LIGHT SUPPLIED VIA THE EXISTING BRANCH EMERGENCY LIGHTING UNSWITCHED ACTIVE. LABEL THE E1 FITTING AND UPDATE THE EMERGENCY LIGHT LOG BOOK ACCORDINGLY.

EX  EX: PROVIDE THE EX FITTING AS AN AS2293 MAINTAINED SURFACE MOUNTED EXIT LIGHT, TYPE TO MATCH THE EXISTING BRANCH EXIT LIGHTS.

EX  WALL MOUNTED MANUALLY CONTROLLED EXHAUST FAN AS PER THE NOTES.

AD  PROVIDE THE AD POWER OUTLET AS A 10 AMP POWER OUTLET MOUNTED WITHIN THE AUTO DOOR HEAD SUCH THAT THE AUTO DOOR CABLING IS CONCEALED. UTILISE AND EXISTING POWER CIRCUIT WITHIN THE ASSOCIATED SPACE TO SUPPLY THE AUTO DOOR POWER OUTLET.

Ø  PROVIDE A 10 AMP POWER SUPPLY WITHIN THE TAVERN CEILING SPACE FOR AN ILLUMINATED SIGN. CIRCUIT / CONTROL THE SUPPLY WITH EXISTING LIGHTING CIRCUIT WITH IN THE ASSOCIATED SPACE.

GV2  PROVIDE A 10 AMP POWER SUPPLY TO THE GAS SOLENOID UTILISING THE EXISTING KITCHEN GPO CIRCUIT. COORDINATE THE LOCATION AND TYPE OF THE POWER SUPPLY WITH THE GAS SUB CONTRACTOR.

OSG 1000V PLUS 2  PROVIDE A 10 AMP POWER SUPPLY TO THE KITCHEN EXHAUST CONTROL SYSTEM UTILISING THE EXISTING KITCHEN GPO CIRCUIT. COORDINATE THE LOCATION AND TYPE OF THE POWER SUPPLY WITH THE FIRE SERVICES CONTRACTOR.

CABLE ACCESS DUCT  PROVIDE THE CABLE ACCESS DUCT AS A TWO 50 X 50 CHANNEL SELF SUPPORTING WEATHERPROOF BLACK ALUMINIUM ACCESS DUCT LOCATED AT HIGH LEVEL TO PROVIDE FIRE CABLING AND FUTURE COMMUNICATIONS CABLING ACCESS FROM THE LONGREACH TAVERN CEILING SPACE TO THE BRANCH CEILING SPACE. CONFIRM THE POSITION OF THE ACCESS DUCT ON SITE WITH THE PROJECT MANAGER.

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**ELECTRICAL SERVICES
LEGEND & NOTES**

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NOT TO SCALE AT A1

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