

**LEGEND**

**THE LIGHT FITTING SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK [www.edg.net.au/Links/Lighting.htm](http://www.edg.net.au/Links/Lighting.htm)**

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	
RD01 O	RD01	13W 3000K LED	RECESSED 55DEG DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE	GAMMA ILLUMINATION MYLO 1004-3K-13W
L01	L01	880LM /M 3000K 24V LED	LED STRIP LIGHT IN A SCREW FIXED EXTRUSION C/W OPAL DIFFUSER MOUNTED UNDER THE EXTERNAL COUNTER AS PER THE ARCHITECTURAL DETAIL. PROVIDE A REMOTE POWER SUPPLY LOCATED IN A CONCEALED ACCESSIBLE POSITION TO POWER ALL OF THE L01 STRIP.	NATURAL	MELEC ML-ALU-1407-2M - ML-VLCRI-14.4-WW
WL01 Q	WL01	800 LUMEN 3000K LED	WALL LIGHT MOUNTED IP65 UP/DOWN LIGHT C/W INTEGRAL DRIVER AND LAMP AS PER THE ARCHITECTURAL ELEVATION	CONCRETE	BEACON LIGHTING SKU 237105
WL02 Q	WL02	800 LUMEN 3000K LED	WALL LIGHT MOUNTED DOWN LIGHT C/W REMOTE DRIVER LOCATED IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. MOUNT AT 2,400 AFFL.	BLACK	HAVIT HV3625T-BLK-ARIES 316 STAINLESS STEEL BLACK
E1	E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D63 - C90-D63.	WHITE	CLEVERTRONICS LLIFE
HL01 O	HEATER TYPE 1 (HL01)		CEILING MOUNTED 318D X 216 H PENDANT HEAT LAMP C/W IR LAMP SUSPENDED FROM THE STEEL OUTRIGGER SYSTEM AS PER THE ARCHITECTURAL DETAIL. THE OUTRIGGER SYSTEM WILL BE SUPPLIED BY THE BUILDER.	GLOSSY GREY	HATCO DL-500 PLUS 100W IR LAMP
	ONE-WAY LIGHT SWITCH		ONE-WAY LIGHT SWITCH MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES 30USM
	DALI POT DIMMER / LIGHT SWITCH		DALI POT DIMMER / LIGHT SWITCH MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. THE DALI POT / SWITCH CAN BE MOUNTED ON THE SAME FACEPLATE AS THE ADJACENT SWITCH	WHITE	SMARTSCAPE DALI-RD20-M C/W CLIPSAL C2000 SERIES FACEPLATE
	SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES
	DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES
	SINGLE-PHASE ISOLATOR		SINGLE-PHASE WEATHERPROOF ISOLATOR. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT.	-	CLIPSAL WHT20
DB-P	DB-P		PROVIDE A NEW IP66 DISTRIBUTION BOARD DB-P TO ACCOMMODATE THE NEW CIRCUITS. MODIFY THE EXISTING SHELVING TO ACCOMMODATE THE DISTRIBUTION BOARD. PROVIDE THE DISTRIBUTION BOARD WITH A REMOVABLE WEATHERPROOF HAT SECTION ABOVE THE BOARD TO FACILITATE CABLE ACCESS INTO THE CEILING SPACE BEHIND. THE HAT SECTION IS TO BE FLASHED INTO THE BUILDING SUCH THAT IT IS WEATHERPROOF.		

**NOTES**

- 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.
  - 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.
- 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 ON SITE 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.
- 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.
- 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.
- 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**

- POWER DISTRIBUTION
 

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES PROVIDING A NEW DISTRIBUTION BOARD DB-P TO ACCOMMODATE THE NEW CIRCUITS. PROVIDE A NEW 160 AMP MCCB IN THE MSB TO SUPPLY DB-P VIA A NEW 4C+E 70MM CU XLPE/PVC SUBMAIN. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

  - POWER DISTRIBUTION.
  - MSB MCCB AND UPDATED LABELLING.
  - DISTRIBUTION BOARD DB-P AND A WEATHERPROOF HAT SECTION.
  - DB-P SUBMAIN.
  - MODIFICATION OF THE EXISTING SHELVING TO ACCOMMODATE THE NEW DISTRIBUTION BOARD.
  - EARTHING.
  - REMOVAL OF EXISTING REDUNDANT CIRCUITS.
  - CIRCUITS.
  - ISOLATORS AND OUTLETS.
  - TESTING AND COMMISSIONING.

PROVIDE THE DISTRIBUTION BOARD AS FOLLOWS:

  - WALL MOUNTED.
  - IP66 FORM 1.
  - LIGHT GREY ENCLOSURE WHITE ESCUTCHEON.
  - 3 POINT 92268 KEY LOCKABLE FLUSH 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.
  - ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.

ENSURE THAT POWER IS MAINTAINED TO THE REMAINING PARTS OF THE SITE THAT ARE NOT PART OF THE WORKS BETWEEN 8.00AM AND 2.00AM. ANY INTERRUPTIONS TO THE POWER SUPPLY MUST BE LIMITED TO LESS THAN FOUR HOURS AND THE HOTEL MUST BE PROVIDED WITH TWO WEEKS NOTICE PRIOR TO THE INTERRUPTION.
- LIGHTING
 

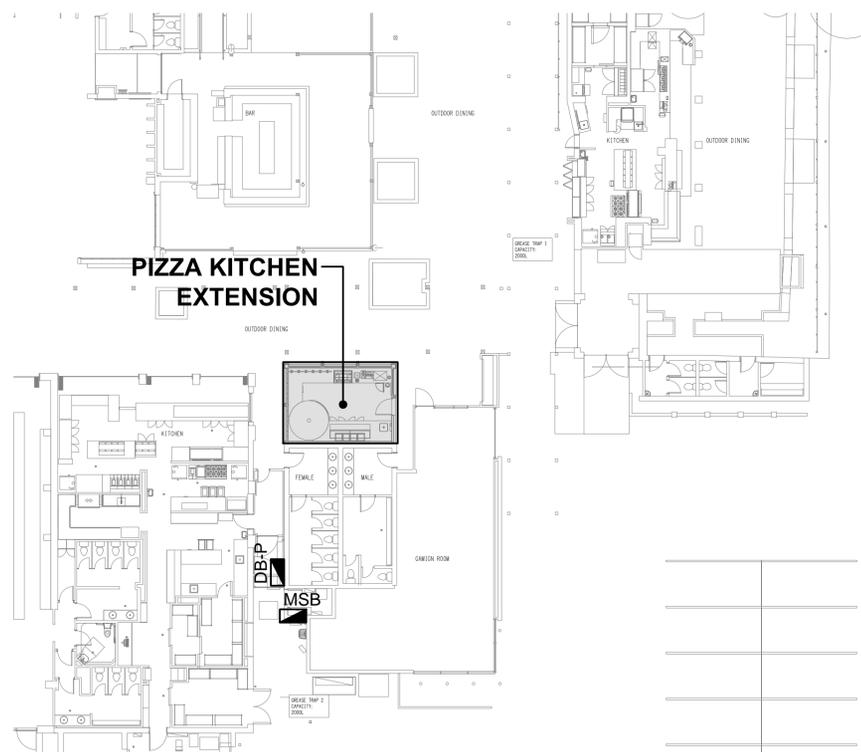
ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

  - LIGHTING.
  - LIGHT FITTINGS AND ACCESSORIES.
  - LAMPS.
  - EARTHING OF THE LIGHTING INSTALLATION.
  - LIGHTING CONTROL.
  - LIGHTING SUBCIRCUITS.
  - TESTING AND COMMISSIONING.
- 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.  
 CS - MOUNT WITHIN CEILING SPACE.  
 C/W - COMPLETE WITH.  
 RCBO - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER. 3-PHASE RCBO TO BE 4-POLE.  
 REF - REFRIGERATOR.  
 SUS - MOUNT SUSPENDED FROM CEILING.  
 UNO - UNLESS NOTED OTHERWISE.  
 WP - WEATHERPROOF TO IP56 UNO.  
 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

**DISTRIBUTION BOARD DB-P SCHEDULE**

FAULT CURRENT: 6KA		MAIN SWITCH: 160A NON AUTO LOAD BREAK				
CHASSIS RATING: 250A		SUPPLIED FROM: MSB				
POLES: 72		SUPPLY CABLE: 4C+E 70				
PHASES: 3						
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.						
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE
P1	1	32	RCBO	4	ROOF	AC CONDENSOR
P2	1	20	RCBO	2.5	PIZZA KITCHEN	REF
P3	1	20	RCBO	2.5	PIZZA KITCHEN	GPO
P4	1	25	RCBO	4.0	PIZZA KITCHEN	COFFEE
P5	1	20	RCBO	2.5	PIZZA KITCHEN	POS
P6	1	20	RCBO	2.5	PIZZA KITCHEN	ACMA
P7	1	20	RCBO	2.5	PIZZA KITCHEN	REF
P8	1	20	RCBO	2.5	PIZZA KITCHEN	PIZZA OVEN
P9	1	20	RCBO	2.5	PIZZA KITCHEN	BEER CHILLER
L1	1	20	RCBO	2.5	PIZZA KITCHEN	LIGHTING
L2	1	20	RCBO	2.5	PIZZA KITCHEN	HEAT LAMPS
L3	1	20	RCBO PE ON OFF	2.5	EXTERNAL	LIGHTING



**LOCATION PLAN**  
 PIZZA KITCHEN EXTENSION  
 SCALE 1: 200