

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

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No
L1	1W LED AT 500 CENTRES	24V DC IP65 FESTOON LIGHTING TO BE FIXED TO A 316 STAINLESS STEEL WIRE SUPPORT SYSTEM. LOCATE THE DRIVER IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS. CONNECT TO THE STRUCTURE / POLES PROVIDED AS PART OF THE BUILDING WORKS AS PER THE ARCHITECTURAL DOCUMENTATION. CONTROL EACH GROUP OF L1 LIGHTS VIA A MANUAL SWITCH LOCATED IN THE ADJACENT CONTAINER. CIRCUIT EACH GROUP OF L1 FITTINGS FROM THE ADJACENT CONTAINERS LIGHTING CIRCUIT.	BLACK CABLE AND FIXINGS 316 STAINLESS STEEL SUPPORT AND FIXINGS	GLOW WORM LIGHTING 1M (2 GLOBE/M) COMMERCIAL GRADE LED FESTOON LIGHTING
L2	36W LED 4000K	SURFACE MOUNTED IP66 1200 LONG BATTEN C/W INTEGRAL DRIVER, OCCUPANCY SENSOR AND AN AS2293 NON MAINTAINED EMERGENCY PACK	LIGHT GREY	GAMMA STORM 1558-CCT-36 + SENSOR
L3	36W LED 4000K	SURFACE MOUNTED IP66 1200 LONG BATTEN C/W INTEGRAL DRIVER AND OCCUPANCY SENSOR	LIGHT GREY	GAMMA STORM 1558-CCT-36 + SENSOR
L4	13W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-4K-13W
L5		RELOCATE THE EXISTING WALL MOUNTED EXAMINATION LIGHT AND ASSOCIATED SWITCH CONFIRM THE FINAL POSITION ON SITE WITH THE OPERATOR,		
L6	28W 3000K LED	LIGHTING BOLLARD C/W INTEGRAL DRIVER AND A RAGBOLT FOOTING. CIRCUIT AND SWITCH THE L6 FITTINGS WITH THE ADJACENT L1 FITTINGS.	BLACK	GAMMA ILLUMINATION BOLO 1462-3K-28W
PD		ADJUSTABLE FLUSH RECESSED 360 DEGREE PIR PRESENCE DETECTOR TO OPERATE THE ASSOCIATED LIGHTS FOR A PRE-SET AMOUNT OF TIME. ADJUST THE TIME AND SENSITIVITY ON SITE AS DIRECTED BY THE ENGINEER. SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	WHITE	CLIPSAL
HD	HAND DRYER CONNECTION (HD)	DIRECT CONNECT THE HAND DRYER SUPPLIED BY THE BUILDER VIA A CONCEALED CABLE.		
	SIGN CONNECTION	COORDINATE THE LOCATION AND CONNECTION WITH THE SIGN CONTRACTOR ENSURING THE GPO / ISOLATORS ARE PROVIDED WITH APPROPRIATE WEATHER PROTECTION AND ARE CONCEALED FROM VIEW.		
	SINGLE-PHASE ISOLATOR	SINGLE-PHASE WEATHERPROOF ISOLATOR CONNECTED TO THE ROOF MOUNTED EXHAUST FAN.		
	THREE-PHASE ISOLATOR	THREE-PHASE CONNECTION TO THE CONTAINER DISTRIBUTION BOARD COORDINATE THE LOCATION AND CABLE ACCESS WITH EH CONTAINER SUPPLIER.		
DB-1		RELOCATE THE EXISTING DISTRIBUTION BOARD DB-1 AS NOMINATED. PROVIDE NEW SWITCHGEAR AND CONTROLS WITHIN DB-1 OF THE SAME BRAND AND TYPE AS THE EXISTING AS PER THE CIRCUIT DESCRIPTIONS BELOW. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. PROVIDE DB-1 WITH AN AS2293 TEST FACILITY. UPGRADE DB-1 AS NECESSARY TO ACCOMMODATE THE ADDITIONAL CIRCUITS.		
DB-1 - P1	CIRCUIT DB-1 - P1	PROVIDE A NEW CIRCUIT DB-1 - P1 AS A SINGLE PHASE 20 AMP RCBO PROTECTED 2.5MM CIRCUIT SUPPLYING THE HAND DRYERS.		
DB-1 - P2	CIRCUIT DB-1 - P2	PROVIDE A NEW CIRCUIT DB-1 - P2 AS A SINGLE PHASE 20 AMP RCBO PROTECTED 2.5MM CIRCUIT SUPPLYING THE HAND DRYERS.		
DB-1 - P3	CIRCUIT DB-1 - P3	PROVIDE A NEW CIRCUIT DB-1 - P3 AS A SINGLE PHASE 20 AMP RCBO PROTECTED 2.5MM CIRCUIT CONTROLLED VIA A 24 / 7 TIME CLOCK TO SUPPLY THE ROOF MOUNTED EXHAUST FAN.		
DB-1 - P4	CIRCUIT DB-1 - P4	PROVIDE A NEW CIRCUIT DB-1 - P4 AS A THREE PHASE 63 AMP 4C 16MM CIRCUIT RUN UNDERGROUND IN CONDUIT BETWEEN THE BUILDINGS SUPPLYING THE COFFEE CONTAINER DISTRIBUTION BOARD.		
DB-1 - P5	CIRCUIT DB-1 - P5	PROVIDE A NEW CIRCUIT DB-1 - P5 AS A THREE PHASE 63 AMP 4C 16MM CIRCUIT RUN UNDERGROUND IN CONDUIT BETWEEN THE BUILDINGS SUPPLYING THE BAR CONTAINER DISTRIBUTION BOARD.		
DB-1 - L1	CIRCUIT DB-1 - L1	PROVIDE A NEW CIRCUIT DB-1 - L1 AS A SINGLE PHASE 20 AMP RCBO PROTECTED 2.5MM CIRCUIT RUN UNDERGROUND IN CONDUIT BETWEEN THE BUILDINGS SUPPLYING THE ILLUMINATED SIGNAGE. CONTROL THE CIRCUIT SUCH THAT IT AUTOMATICALLY SWITCHES ON VIA A PE CELL 30 MINUTES PRIOR TO DUSK AND OFF VIA A TIME CLOCK. CONFIRM THE TIME WITH THE OPERATOR.		
DB-1 - L2	CIRCUIT DB-1 - L2	PROVIDE A NEW CIRCUIT DB-1 - L2 AS A SINGLE PHASE 20 AMP RCBO PROTECTED 2.5MM LIGHTING CIRCUIT. IT IS ACCEPTABLE TO UTILISE AN EXISTING LIGHTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY.		

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.
 - 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. CABLING BETWEEN THE MAIN BUILDING AND THE REMOTE STRUCTURES IS TO BE RUN UNDERGROUND IN CONDUIT. 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.

NOTES

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.
 - 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.

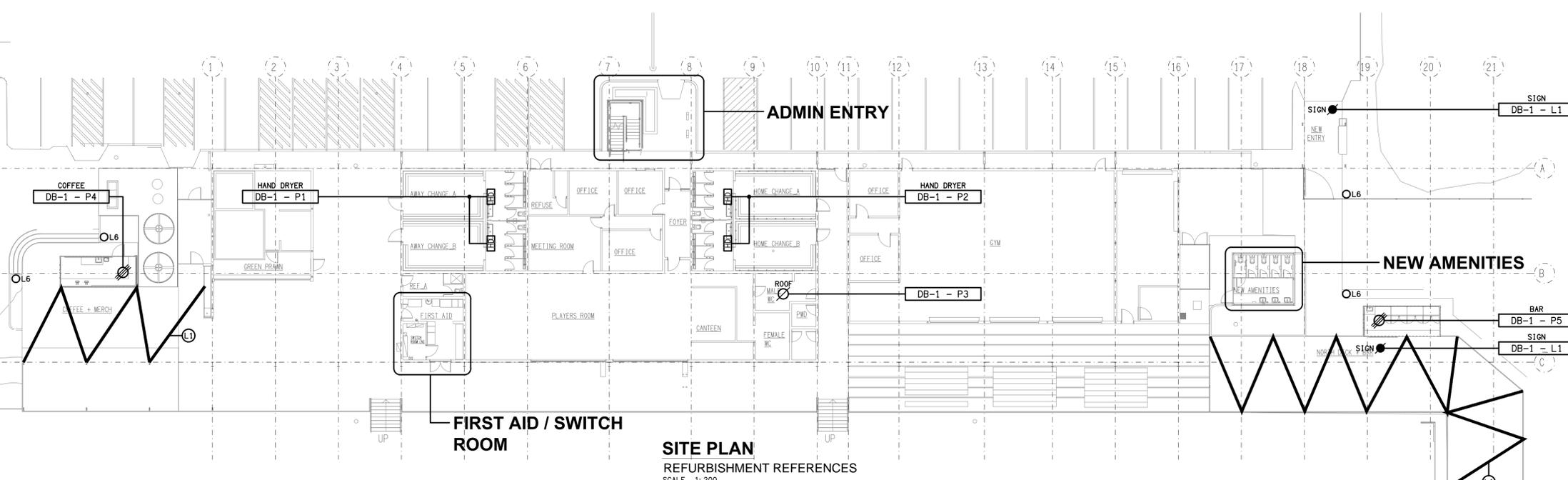
6. POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE RELOCATION OF DB-1 INCLUDING THE SUBMANS AND ALL EXISTING OUTGOING CIRCUITS. ADDITIONAL SWITCHGEAR AND CONTROLS IS TO BE PROVIDED IN DB-1 TO SUPPLY THE NEW CIRCUITS. ALL OF THE EXISTING DB-C CIRCUITS THAT BECOME REDUNDANT ARE TO BE REMOVED AND THE LABELLING UPDATED. IT IS ACCEPTABLE TO UTILISE EXISTING CIRCUITS TO SUPPLY THE NEW POINTS AND OUTLETS IF THEY ARE IN APPROPRIATE CONDITION AND HAVE SUFFICIENT CAPACITY. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
 - POWER DISTRIBUTION.
 - EARTHING.
 - RELOCATION OF DB-1 INCLUDING THE EXISTING SUBMANS AND CIRCUITS.
 - NEW SWITCHGEAR AND CONTROLS IN DB-1 TO ACCOMMODATE THE NEW CIRCUITS.
 - REMOVAL OF EXISTING REDUNDANT CIRCUITS.
 - CIRCUITS.
 - ISOLATORS AND OUTLETS.
 - TESTING AND COMMISSIONING.

PROVIDE THE OPERATOR WITH TWO WEEKS NOTICE OF ANY INTERRUPTIONS TO THE POWER SUPPLY.

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.
 - LAMPS.
 - EARTHING OF THE LIGHTING INSTALLATION.
 - LIGHTING CONTROL.
 - LIGHTING SUBCIRCUITS.
 - TESTING AND COMMISSIONING.



SITE PLAN
REFURBISHMENT REFERENCES
SCALE 1:200

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD
ACN 092 710 793
TRADING AS:
ELECTRICAL DESIGN GROUP

THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP.
USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.
ALL DIMENSIONS TO BE VERIFIED ONSITE.

ELECTRICAL DESIGN GROUP
ELECTRICAL BUILDING SERVICES CONSULTANTS
BRISBANE GOLD COAST
P.O. Box 15, Sherwood Q.4075
Phone: (07) 3278 4375
Email: brisbane@edg.net.au
Web: www.edg.net.au

PROJECT:
SUNNYBANK RUGBY CLUB
162 GRANADILLA STREET, SUNNYBANK

D	TENDER	12/11/2024
REV:	DESCRIPTION:	DATE:
DRAWING: ELECTRICAL SERVICES LEGEND & SITE PLAN		
SCALE: 1:200	PROJECT NO: C3377a	DRAWING NO: E01
AT A1	REVISION: D	