



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: [www.edg.net.au](http://www.edg.net.au) Email: [brisbane@edg.net.au](mailto:brisbane@edg.net.au)

C3548a - CITIPOINTE - LOCKER BUILDING

C3548a-0001(A).xls

## ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION A - 29 MAY 2025

ISSUING INFORMATION					DATE OF ISSUE									
					DAY									
					MONTH									
					YEAR									
					REASON FOR ISSUE	P								
A = APPROVAL					C = CONSTRUCTION					N = COORDINATION				
										P = PRELIMINARY				
										T = TENDER				

DISTRIBUTION					NUMBER OF COPIES									
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P = PRINT					T = TRACING					D = DISC				
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DOCUMENTS					REVISION									
C3548a-E01.dwg	LEGEND & SITE PLAN				A									
C3548a-E02.dwg	GROUND LEVEL PLANS				A									
C3548a-E03.dwg	UPPER LEVEL PLANS				A									
C3548a-E04.dwg	NOTES				A									
C3548a-0001.xls	CONTRACT DOCUMENT SCHEDULE				A									
C3548a-0002.xls	EQUIPMENT SCHEDULE				A									
C3548a-0004.xls	DISTRIBUTION BOARD DB-A SCHEDULE				A									



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## ELECTRICAL EQUIPMENT SCHEDULE

REVISION A - 29 MAY 2025

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	REV
L1	34W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T BAR	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-34W	A
L2	36W LED 4000K	SURFACE MOUNTED IP66 1200 LONG BATTEN C/W INTEGRAL DRIVER PROVIDE A CONCEALED PLYWOOD SUPPORT WITHIN THE CEILING TO SECURE THE FITTING FROM TO ALLOW A 100KG PERSON TO HANG OFF THE FITTING.	LIGHT GREY	GAMMA STORM 1558-CCT-36	A
L3	8W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-4K-8W	A
L4	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP UNDER THE OVERHEAD CUPBOARDS HARD AGAINST THE SPLASHBACK AS PER THE ARCHITECTURAL JOINERY DETAILS THE SUPPLIER IS TO CUT / JOIN THE LED STRIPS TO SUIT THE SITE DIMENSIONS. DO NOT CUT THE LED STRIPS ON SITE SCREW FIX THE ALUMINIUM SUPPORT IN PLACE.			NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L5	28W 4000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1403-4K-28W	A
L6	26W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T BAR	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-26W	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS CLIFE	A
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. CEILING SURFACE MOUNT OR WALL MOUNT BETWEEN 2100mm & 2700mm AFFL IF THERE IS NO VERTICAL SURFACE TO MOUNT THE FITTING ON WITHIN THIS RANGE CONFIRM THE MOUNTING HEIGHT WITH THE ENGINEER. PROVIDE A CUSTOM WHITE COUNTER LEVER MOUNTING BRACKET AS REQUIRED AS2293 CLASSIFICATION C0-D8 - C90-E3.2.	WHITE	CLEVERTRONICS LUB PRO SM OR CUBPRO	A
EMERGENCY PACK		LIGHT FITTINGS THAT ARE DESIGNATED AS BEING PROVIDED WITH AN EMERGENCY PACK ARE TO BE PROVIDED WITH AN INTEGRAL AS2293 EMERGENCY PACK. THE FITTINGS ARE TO BE NON MAINTAINED WITH ALL LAMPS SWITCHED AS PER THE LIGHTING CONTROL FOR THAT SPACE UNLESS NOTED OTHERWISE. REFER TO THE SPECIFICATION FOR FURTHER DETAILS OF THE CONFIGURATION AND SWITCHING OF EMERGENCY LIGHTS.			A



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
PROXIMITY DETECTOR SWITCH (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	A
ONE-WAY LIGHT SWITCH		ONE-WAY LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
MANUAL DALI POT DIMMER / LIGHT SWITCH (DIM)		DALI POT C/W INTEGRAL 20 DALI DEVICE POWER SUPPLY . FACTOR SET POWER ON RETURN TO LAST LEVEL.	WHITE	SMARTSCAPE DALI RD20 CLIPSAL C2000	A
WEATHERPROOF LIGHT SWITCH (WP)		IP56 ONE OR TWO-WAY AS NOTED ON DRAWING LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL "56 SERIES"	A
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 FACEPLATE	A
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 FACEPLATE	A
DOUBLE POWER OUTLET (USB)		DOUBLE POWER OUTLET C/W USB A AND USB C CHARGER , CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
WEATHERPROOF POWER OUTLET (WP)		IP54 WEATHERPROOF SINGLE / DOUBLE POWER OUTLET AS NOTED ON DRAWING C/W COVER FLAP OVER SOCKET. MOUNT AT MINIMUM 1100mm AFFL U.N.O. RATING 10A U.N.O.	-	CLIPSAL WSCF227F	A
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	A
THREE-PHASE ISOLATOR		THREE-PHASE WEATHERPROOF ISOLATOR. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT.	-	CLIPSAL WHT35	A
SPEAKER RECESSED		RECESSED PA SPEAKER TBA	WHITE GRILLE	TBA	A



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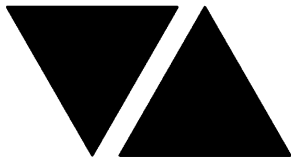
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
CAT 6 COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE COMMUNICATIONS RACK CR-A TERMINATED ONTO FACILITY PATCH PANELS VIA 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
COMMUNICATIONS RACK CR-A		COMMUNICATIONS RACK TO BE PROVIDED AS PER THE NOTES			A
DB-A		DISTRIBUTION BOARD A REFER TO THE DB-A SCHEDULE AND NOTES			A
MSB		EXISTING MAIN SWITCHBOARD TO BE PROVIDED WITH A MCCB TO SUPPLY DB-A AS PER THE NOTES			A
SECURITY EQUIPMENT		SECURITY SYSTEM PANEL TBA			A
SECURITY INTRUDER DETECTOR		DUAL-TECHNOLOGY MOVEMENT DETECTORS WALL MOUNTED AS PER THE MANUFACTURER'S SPECIFICATION. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH ONE DETECTOR PER ZONE. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW DETECTORS AND CHANGES TO THE SATISFACTION OF THE SCHOOL. SUBMIT DETAILS OF THE DETECTORS INCLUDING THE MOUNTING ARRANGEMENTS FOR APPROVAL PRIOR TO ORDERING.			A



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





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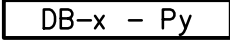














DISTRIBUTION BOARD DB-A

REVISION A - 29 MAY 2025

							REV
FAULT CURRENT: 6KA							A
MAIN SWITCH: 160A NON AUTO LOAD BREAK							A
CHASSIS SIZE: 84 POLE							A
SUPPLIED FROM: MSB							A
CHASSIS RATING: 250A							A
SUPPLY CABLE: 4C+E 50							A
PHASES: 3							A
REFER TO THE EQUIPMENT SCHEDULE AND NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING CIRCUITS THAT REMAIN AND THE CIRCUITS WITHIN THE AREA NOMINATED AS BEING SUPPLIED FROM DB-A TO THE NEW DB-A WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. ENSURE THE SCHEDULE INCLUDES THE CIRCUIT USE AND LOCATION.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	GROUND LEVEL	CLEANING	A
P2	1	20	RCBO	2.5	GROUND LEVEL	WORKSTATION / TV	A
P3	1	20	RCBO	2.5	GROUND LEVEL	WORKSTATION	A
P4	1	20	RCBO	2.5	GROUND LEVEL	WORKSTATION	A
P5	1	20	RCBO	2.5	GROUND LEVEL	CLEANING	A
P6	1	20	RCBO	2.5	GROUND LEVEL	RECEPTION	A
P7	1	20	RCBO	2.5	GROUND LEVEL	COUNSELLING	A
P8	1	20	RCBO	2.5	GROUND LEVEL	COMMS RACK CR-A	A
P9	1	20	RCBO	2.5	GROUND LEVEL	SECURITY	A
P10	1	20	RCBO	2.5	GROUND LEVEL	AUTO BOILER	A
P11	1	20	RCBO	2.5	GROUND LEVEL	KITCHEN	A
P12	1	20	RCBO	2.5	GROUND LEVEL	DISHWASHER	A
P13	1	20	RCBO	2.5	GROUND LEVEL	MICROWAVE	A
P14	1	20	RCBO	2.5	GROUND LEVEL	REF / MW	A
P15	1	20	RCBO	2.5	LEVEL 1	WORKSTATION	A
P16	1	20	RCBO	2.5	LEVEL 1	WORKSTATION	A
P17	1	20	RCBO	2.5	LEVEL 1	REF / MW	A
P18	1	20	RCBO	2.5	LEVEL 1	AUTO BOILER	A
P19	1	20	RCBO	2.5	LEVEL 1	MICROWAVE	A
P20	1	20	RCBO	2.5	LEVEL 1	KITCHEN	A
P21	1	20	RCBO	2.5	LEVEL 1	DISHWASHER	A
P22	1	20	RCBO	2.5	ROOF	EXHAUST FAN	A
P23	1	20	RCBO	2.5	LEVEL 1	CLEANING	A
P24	1	20	RCBO	2.5	LEVEL 1	EXAM	A
P25	3	40		6.0	EXTERNAL	AC	A
P26	3	40		6.0	EXTERNAL	AC	A
L1	1	20	RCBO	2.5	GROUND LEVEL	LIGHTING	A
L2	1	20	RCBO	2.5	GROUND LEVEL	LIGHTING	A
L3	1	20	RCBO	2.5	GROUND LEVEL	LIGHTING	A
L4	1	20	RCBO	2.5	GROUND LEVEL	LIGHTING	A
L5	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L6	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L7	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A

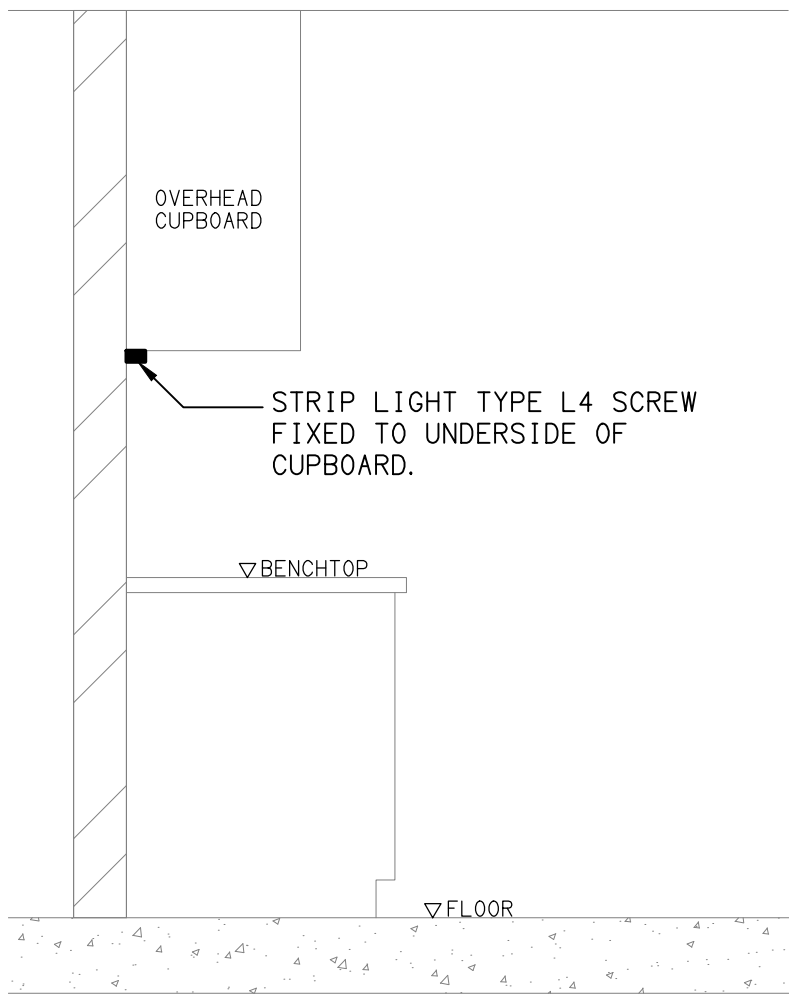
LEGEND

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  SPECIAL PURPOSE POWER OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  JUNCTION BOX.
-  CONDUIT ROUTE.
-  x DENOTES CONDUIT TYPE.
-  PIT x □ ELECTRICAL PIT, TYPE AS NOTED.
-  TELSTRA PIT.
-  LIGHTING PRESENCE DETECTOR SWITCH.
-  LIGHTING CONTROL SWITCH PANEL.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  ONE-WAY LIGHT SWITCH C/W DIMMER.
-  CIRCUIT LINE.
-  SWITCH LINE.

-  DB-x - Py POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  SECURITY DIRECTIONAL MOTION DETECTOR.
-  PA MULTI-TAP CONE SPEAKER.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  E1: GENERAL LED EMERGENCY LIGHT.
-  EX: EMERGENCY LED EXIT LIGHT.
-  Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
-  L1: 600 x 600 LED FLAT PANEL T-BAR FITTING.
-  L2: 1200 LONG LED SURFACE BATTEN.
-  L3: RECESSED DOWNLIGHT.
-  L4: OVERHEAD CUPBOARD LED STRIP LIGHT.
-  L5: RECESSED DOWNLIGHT.
-  L6: L1: 600 x 600 LED FLAT PANEL T-BAR FITTING.

NOTE

ALL ELECTRICAL PENETRATIONS THROUGH THE ROOF SHEETING ARE TO BE IN LINE WITH THE STRUCTURAL OR MECHANICAL SERVICES PENETRATIONS TO AVOID DEDICATED FLASHINGS FOR THE ELECTRICAL SERVICES.

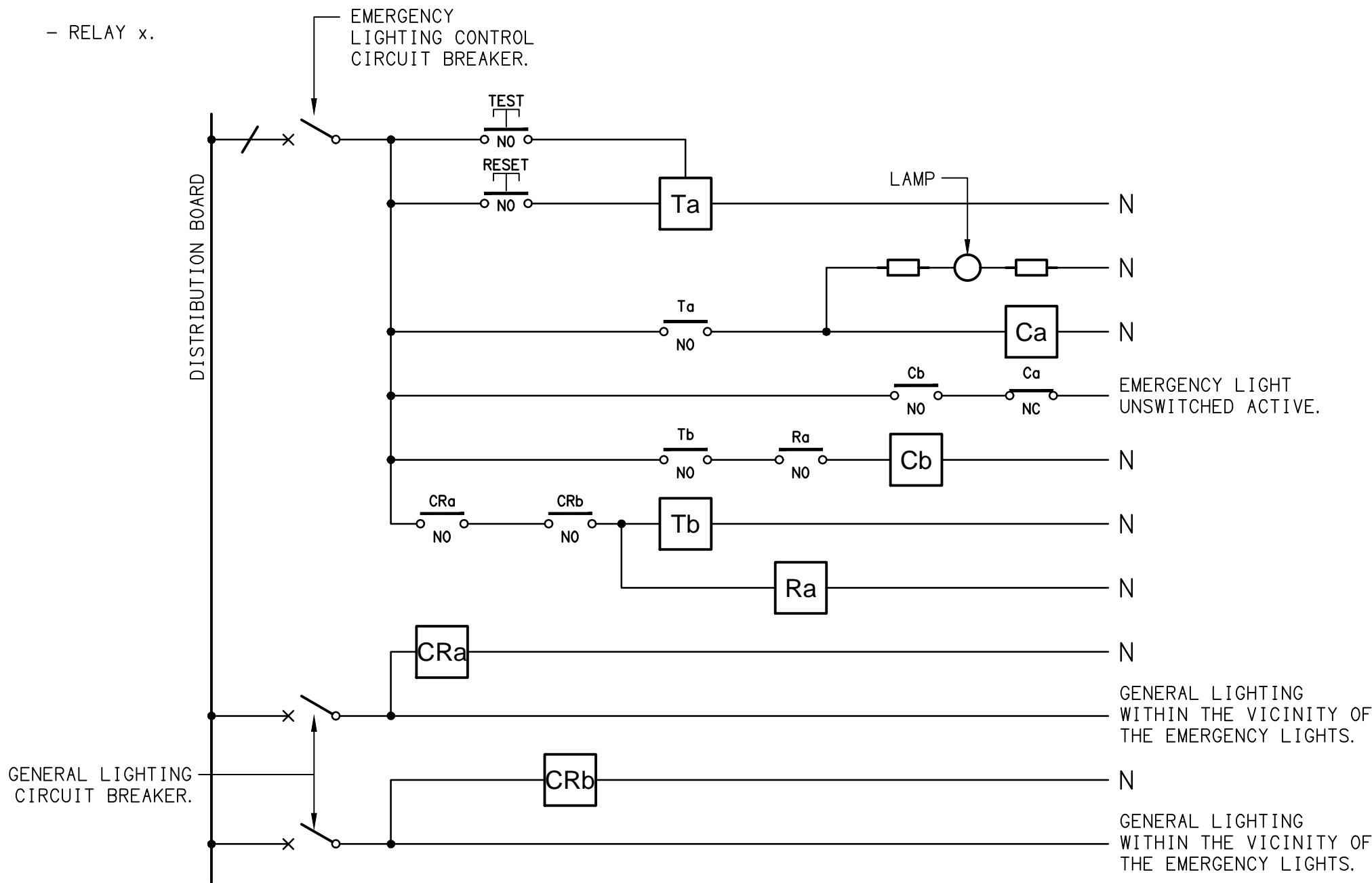


DETAIL

"L4" TYPE STRIP LIGHT MOUNTING  
NOT TO SCALE

EQUIPMENT:

- TEST - TEST PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- RESET - RESET PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- LAMP - AMBER TEST INDICATING LAMP MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- Ta - ADJUSTABLE 0-3 HOUR TIMED RELAY.
- Tb - 15 MINUTE RUN-ON TIMER TO OPERATE UPON THE RETURN OF MAINS POWER.
- Cx - CONTACTOR x.
- CRx - CONTROL RELAY x.
- Rx - RELAY x.

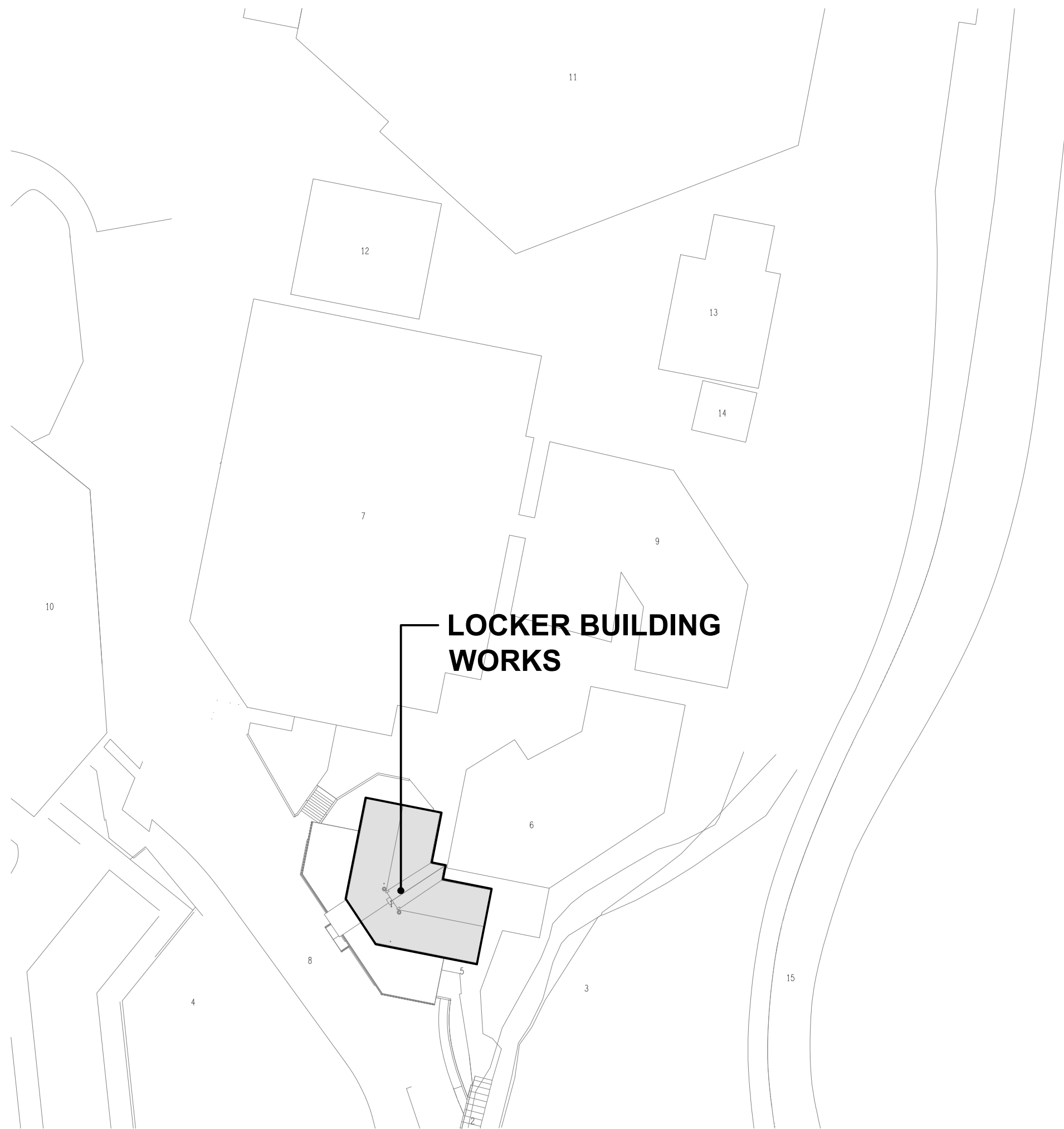


NOTES

1. THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.
2. PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.

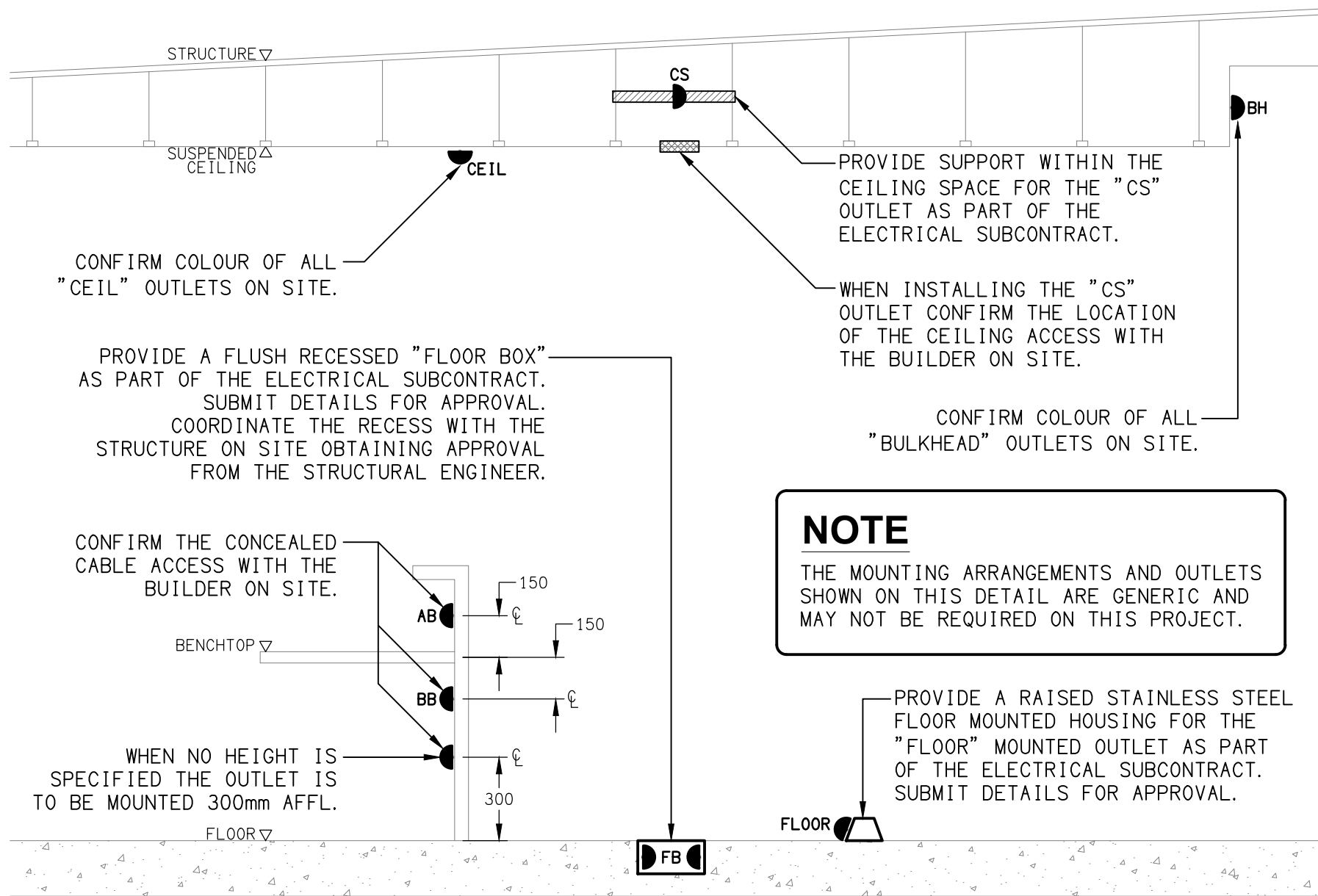
SCHEMATIC

EMERGENCY LIGHTING  
NOT TO SCALE



SITE PLAN

LOCKER BUILDING WORKS  
SCALE 1:500



DETAIL

TYPICAL OUTLET MOUNTINGS  
NOT TO SCALE

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BRISBANE

GOLD COAST

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PROJECT:

CITIPOINTE - LOCKER BUILDING

322 WECKER ROAD, CARINDALE

ELECTRICAL SERVICES

LEGEND & SITE PLAN

SCALE:

1:500

AT A1

PROJECT NO:

C3548a

DRAWING NO:

E01

REVISION:

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ELECTRICAL DESIGN GROUP BRISBANE PTY LTD

ACN 092 710 793

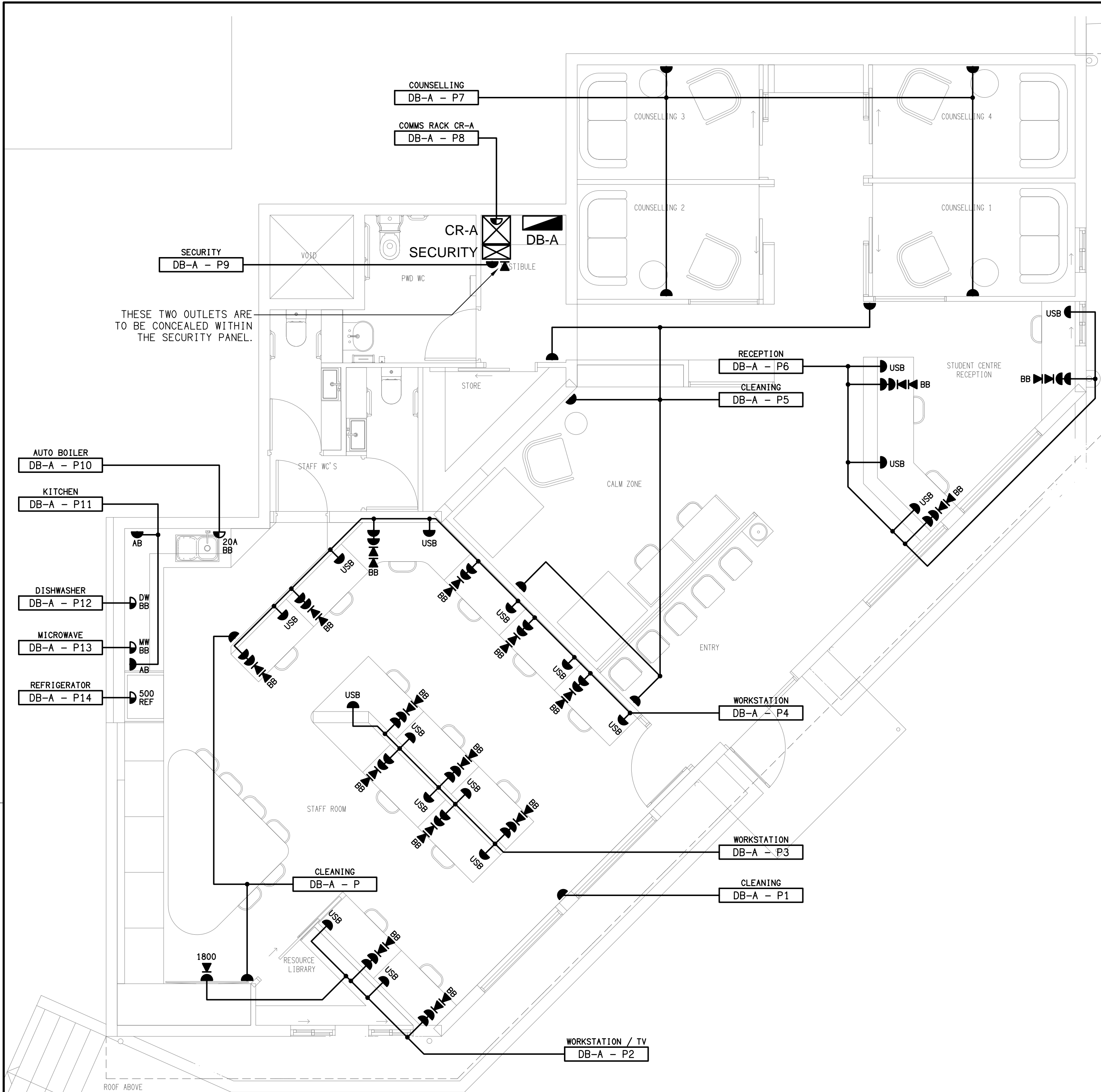
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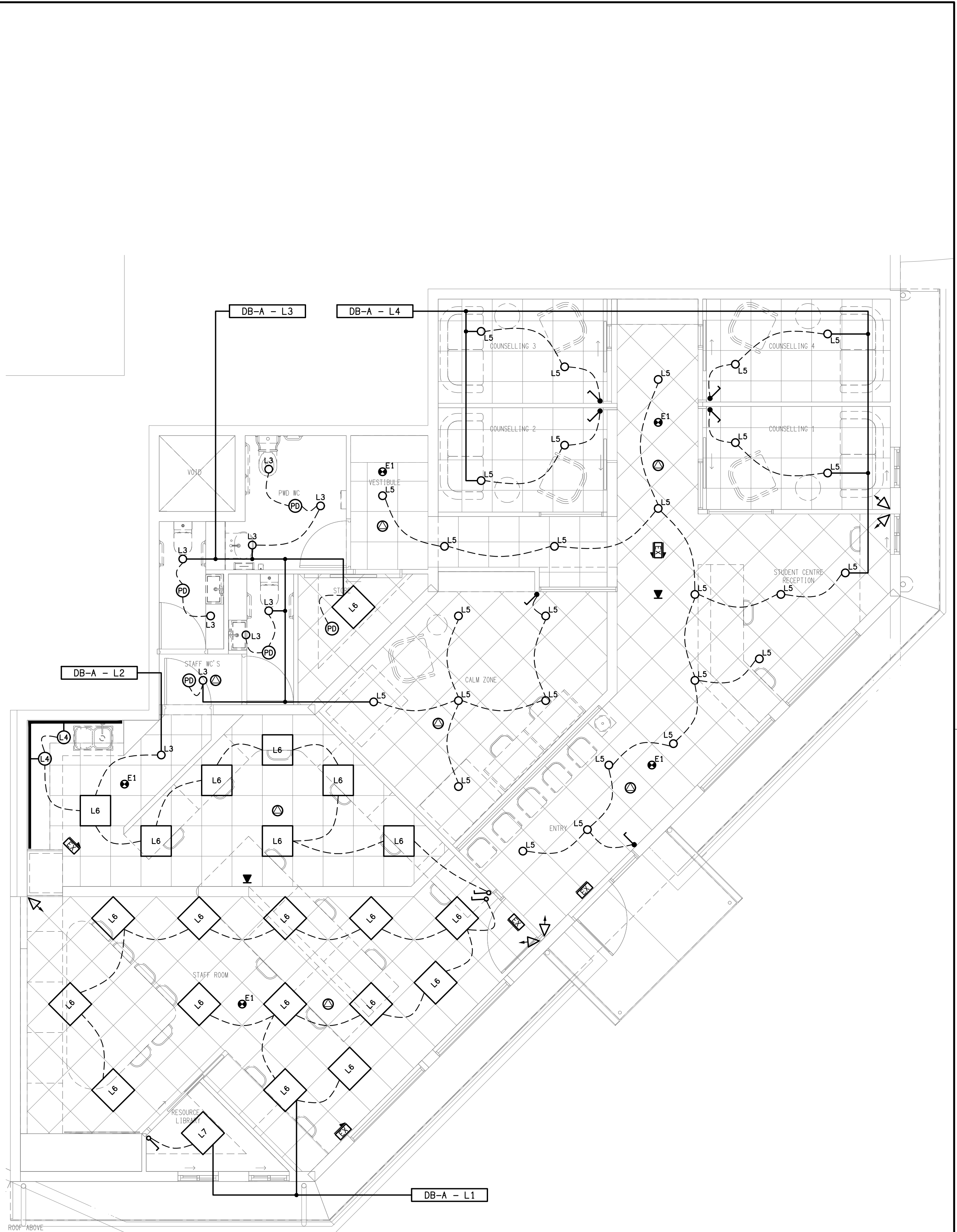
USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.



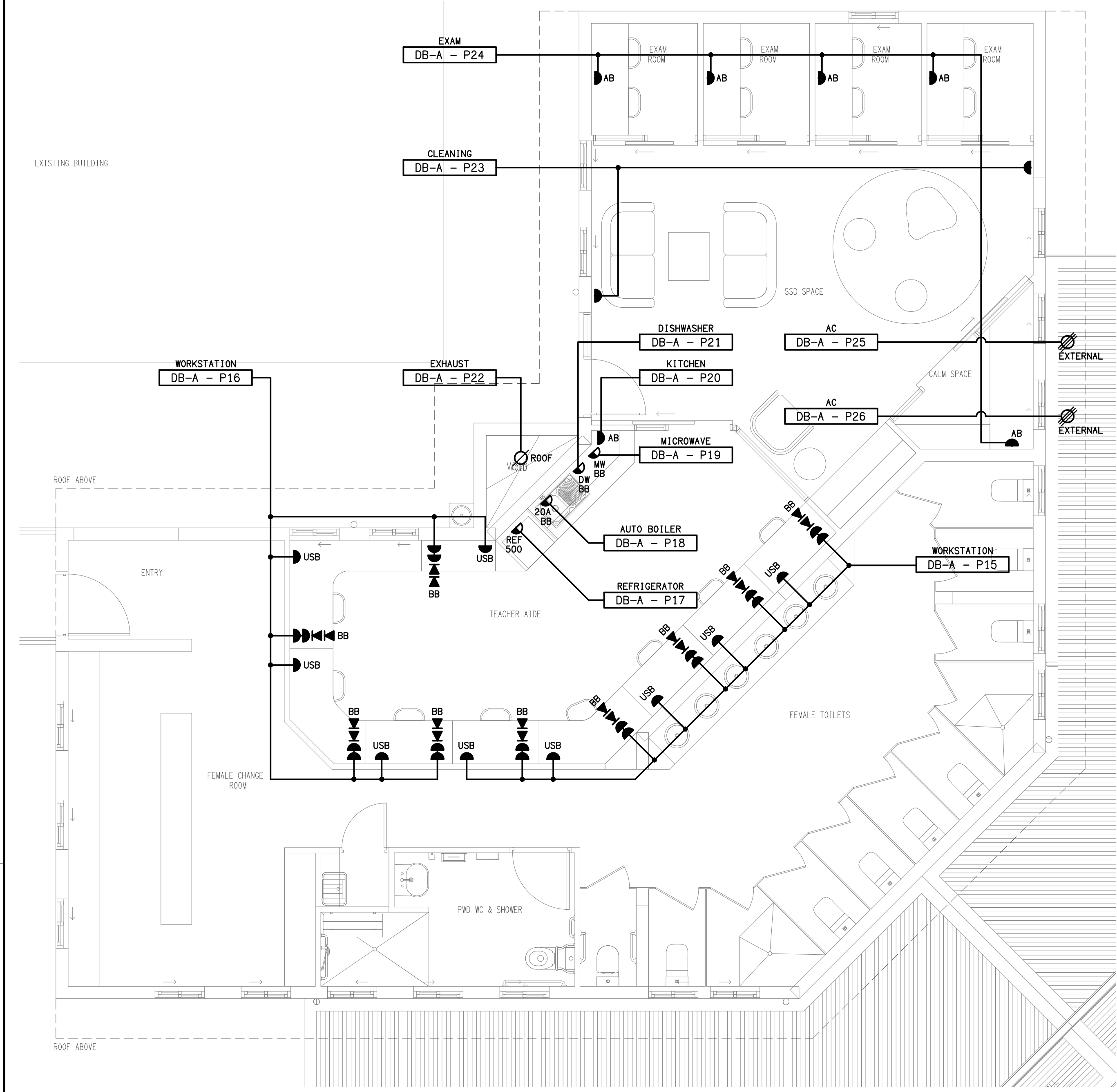
**FLOOR PLAN**  
GROUND LEVEL  
SCALE 1: 50

**NOTE:**  
THE EXISTING EXTERNAL LIGHTING AND POWER IS TO REMAIN AND BE RECONNECTED TO DB-A WITH NEW CIRCUITS AND CONTROLS THAT MATCH THE EXISTING IN CAPACITY AND FUNCTION.



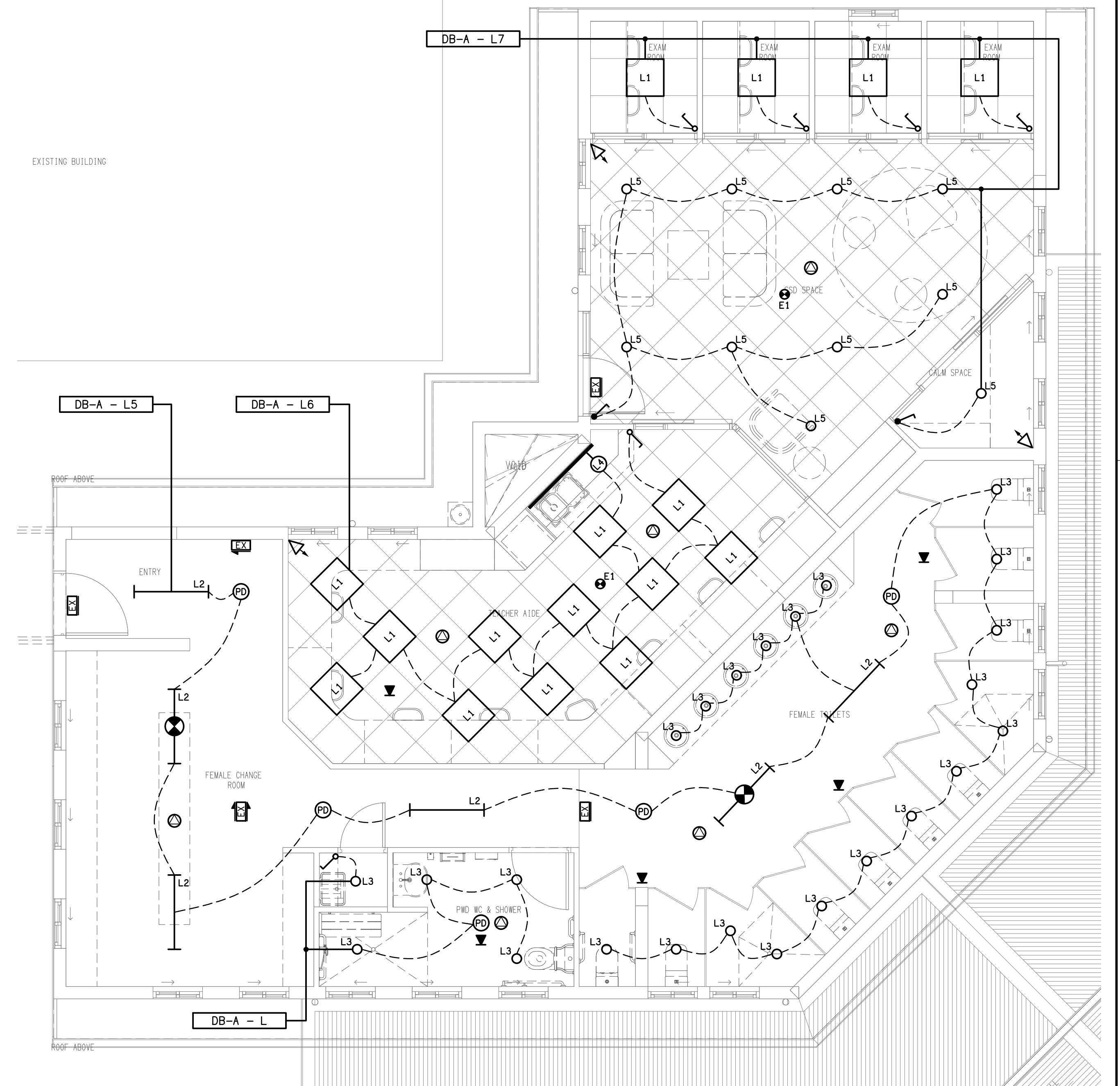
**REFLECTED CEILING PLAN**  
GROUND LEVEL  
SCALE 1: 50





**FLOOR PLAN**  
UPPER LEVEL  
SCALE 1: 50

**NOTE:**  
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**REFLECTED CEILING PLAN**  
UPPER LEVEL  
SCALE 1: 50



NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES 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.
- COMMUNICATIONS CABLING.
- ACCESS CONTROL.
- INTRUDER DETECTION.
- PA / SCHOOL BELL.
- 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 THE RELEVANT CURRENT 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 SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE INSTALLATION IS FIT FOR PURPOSE AND IS PROVIDED AS A COMPLETE WORKING INSTALLATION. IT IS THE 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. POWER DISTRIBUTION

BLUE TECH ELECTRICAL, DAVE VAN DEN BERG bluetechelectrical@outlook.com 0409 003 058 IS TO BE ENGAGED TO UNDERTAKE THE POWER DISTRIBUTION WORKS.

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A NEW 125 AMP MCCB IN THE MSB AND A 4c+E 50MM² CU XLPE/PVC SUBMAIN FROM THE MSB VIA A NEW CONCEALED CABLE PATH TO A NEW DISTRIBUTION BOARD DB-A. THE EXISTING DISTRIBUTION BOARD AND IT ASSOCIATED SUPPLY IS TO BE REMOVED.

REFER TO THE DISTRIBUTION BOARD SCHEDULE FOR ADDITIONAL REQUIREMENTS AND CIRCUIT DETAILS.

PROVIDE THE DISTRIBUTION BOARD AS FOLLOW:

- IP44.
- 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.
- AS2293 TEST FACILITY.
- SURGE PROTECTION.
- CIRCUIT SCHEDULE.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.

ALL EXISTING CIRCUITS THAT REMAIN ARE THAT WERE SUPPLIED FROM THE EXISTING DISTRIBUTION BOARD ARE TO BE RESUPPLIED FROM THE NEW DISTRIBUTION BOARD WITH NEW SWITCHGEAR WITH THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL SWITCHGEAR.

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

- POWER DISTRIBUTION.
- CABLE ACCESS.
- MSB MCCB AND UPDATED LABELLING.
- DISTRIBUTION BOARD DB-A.
- DB-A SUBMAIN.
- REMOVAL OF THE EXISTING DISTRIBUTION BOARD.
- EARTHING.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.

7. LIGHTING

BLUE TECH ELECTRICAL, DAVE VAN DEN BERG bluetechelectrical@outlook.com 0409 003 058 IS TO BE ENGAGED TO UNDERTAKE THE LIGHTING WORKS.

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.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- 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 HE 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

ALLIANCE SI, JOEL FARTHING Joel.Farthing@alliancesi.com.au 0409 003 058 IS TO BE ENGAGED TO UNDERTAKE THE COMMUNICATIONS WORKS.

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES A CONCEALED LC 6 CORE OM3 FIBRE CABLE FROM A NEW FOBOT MOUNTED IN THE TBA COMMUNICATIONS RACK TO A NEW COMMUNICATIONS RACK CR-A FULLY TERMINATED WITH LC CONNECTORS. THE COMMUNICATIONS OUTLETS ARE TO BE CAT 6 OUTLETS RUN IN STAR CONFIGURATION TO PATCH PANELS IN CR-A.

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

- COMMUNICATIONS RACK CR-A.
- A FOBOT AND PATCH PANELS AS REQUIRED IN THE TBA COMMUNICATION RACK.
- OPTICAL FIBRE CABLE CONNECTING THE TBA COMMUNICATION RACK FOBOT TO CR-A.
- NEW CAT 6 COMMUNICATIONS OUTLETS.
- TESTING AND COMMISSIONING.

PROVIDE CR-A IN ACCORDANCE WITH THE FOLLOWING:

- HINGED / SWING FRAME WALL MOUNTED.
- 24RU 600 DEEP.
- TWO VENTILATION FANS MOUNTED IN THE TOP PANEL.
- SOLID LOCKABLE DOOR AND SIDES.
- VENTILATED BASE THAT CAN ONLY BE REMOVED ONCE THE DOOR IS UNLOCKED.
- FRONT AND REAR VERTICAL MOUNTING RAILS.
- 2 No 8x10 AMP POWER RAILS MOUNTED ON THE REAR VERTICAL MOUNTING RAILS (ONE TOP AND ONE BOTTOM). CONNECT THE POWER RAILS TO THE DOUBLE GPO. ENSURE THE DOUBLE GPO ASSOCIATED WITH CR-A IS ENCLOSED WITHIN THE RACK WHEN IT IS CLOSED.
- MOUNT THE RACK AS HIGH AS PRACTICAL.
- PROVIDE SHOP DRAWINGS OR DETAILED BROCHURES OF CR-A AND ALL COMPONENTS FOR APPROVAL.

9.0 ACCESS CONTROL

JD SECURITY, DEAN MELLITCHEY dmellitchey@jdsecurity.com.au 0499 099 411 IS TO BE ENGAGED TO UNDERTAKE THE ACCESS CONTROL WORKS.

THE SCOPE OF THE ACCESS CONTROL IS TO BE ADVISED

9. INTRUDER DETECTION

JD SECURITY, DEAN MELLITCHEY dmellitchey@jdsecurity.com.au 0499 099 411 IS TO BE ENGAGED TO UNDERTAKE THE SECURITY WORKS.

THE SCOPE OF THE INTRUDER DETECTION IS TO BE ADVISED

10. PA / SCHOOL BELL

JD SECURITY, DEAN MELLITCHEY dmellitchey@jdsecurity.com.au 0499 099 411 IS TO BE ENGAGED TO UNDERTAKE THE PA / SCHOOL BELL.

THE SCOPE OF THE PA / SCHOOL BELL IS TO BE ADVISED

11. 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.
- DW - DISHWASHER.
- HP - HOT PLATE.
- HWS - HOT WATER SYSTEM.
- MCB - MINIATURE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- MSSB - MECHANICAL SERVICES SWITCHBOARD.
- MW - MICROWAVE.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- OV - OVEN.
- 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.

			A PRELIMINARY		29/05/2025	
			REV: DESCRIPTION:		DATE:	
ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793	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.	 <b>ELECTRICAL DESIGN GROUP</b> 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: CITIPOINTE - LOCKER BUILDING	
					322 WECKER ROAD, CARINDALE	
					DRAWING: <b>ELECTRICAL SERVICES NOTES</b>	
TRADING AS: ELECTRICAL DESIGN GROUP					SCALE: NOT TO SCALE AT A1	PROJECT NO: <b>C3548a</b>
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