



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: www.edg.net.au Email: brisbane@edg.net.au

C3423a - FLEXIBLE LEARNING CENTRE, MT ISA - COVERED AREA

C3423a-0001(C).xls

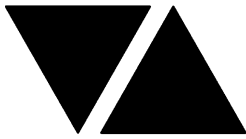
ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION C - 24 SEPTEMBER 2025

ISSUING INFORMATION				DATE OF ISSUE							
				DAY	27	27	24				
				MONTH	05	06	09				
				YEAR	25	25	25				
REASON FOR ISSUE				P	P	T					
A = APPROVAL C = CONSTRUCTION N = COORDINATION				P = PRELIMINARY T = TENDER							

DISTRIBUTION				NUMBER OF COPIES							
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DOCUMENTS		REVISION									
C3423a-E01.dwg	LEGEND & LOCATION PLAN	A	B	C							
C3423a-E02.dwg	NOTES	A	B	C							
C3423a-E03.dwg	FLOOR PLAN	A	B	C							
C3423a-E04.dwg	REFLECTED CEILING PLAN	A	B	C							
C3423a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B	C							
C3423a-0002.xls	EQUIPMENT SCHEDULE		A	B							
C3423a-0004.xls	DISTRIBUTION BOARD DB-A SCHEDULE		A	B							
C3423a-0001.zip	FITTING & OUTLET DATASHEETS		A	B							



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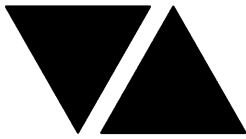
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 24 SEPTEMBER 2025

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/links.html					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	100W 5000K LED	SURFACE MOUNTED HIGH BAY LIGHT C/W ADDITIONAL STAINLESS STEEL SAFETY LANYARD.	NA	SAL IDV10050N	B
L2	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND NON MAINTAINED AS2293 PACK. THE L2 FITTINGS ARE TO BE UNSWITCHED AND ONLY OPERATE UPON MAINS FAILURE OF THE ADJACENT LIGHTING CIRCUIT.	LIGHT GREY	GAMMA ILLUMINATION STORM 1558-CCT-36W	B
L3	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND PRESENCE DETECTION SENSOR	LIGHT GREY	GAMMA ILLUMINATION STORM 1558-CCT-36W-MS	A
L4	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR MOUNT THE FITTING ON THE WALL OR SOFFIT ABOVE THE DOOR.	LIGHT GREY	GAMMA ILLUMINATION STORM 1558-CCT-36W	A
L5	2 X 13W 5000K LED	WALL MOUNTED 1P66 UP DOWN LIGHT C/E INTEGRAL DRIVER. CONFIRM THE MOUNTING HEIGHT WITH THE ARCHITECT	SILVER	GAMMA ILLUMINATION 1350-VWFL-5K-26W	B
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. WALL MOUNT BETWEEN 2100mm & 2700mm AFFL AS2293 CLASSIFICATION C0-D3.2- C90-E8	WHITE	CLEVERTRONICS LVELED-FM-HV	A
LIGHTING CONTROL SWITCH PANEL (LC1)		MULTI GANG SWITCH PANEL CONFIGURED AS PER THE LIGHTING CONTROL SCHEMATIC. WALL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES	A
LIGHTING CONTROL SWITCH PANEL (LC2)		MULTI GANG SWITCH PANEL CONFIGURED AS PER THE LIGHTING CONTROL SCHEMATIC. WALL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES	A
ONE-WAY SWITCH		ONE-WAY 20A SWITCH C/W THE WORK 'PROJECTOR' ENGRAVED ON THE FACEPLATE MOUNTED AT 1000mm AFFL.	WHITE BLACK ENGRAVING	CLIPSAL C2000 SERIES FACEPLATE	A
F1		6100 DIA CEILING FAN C/W 2.5HP MOTOR AND CEILING MOUNTING SYSTEM CONNECT THE FAN TO THE ASSOCIATED CONTROLLER	SILVER	BIG ASS FANS BIPFX4-20	A
FC		FAN CONTROLLER MOUNTED AT 1000mm AFFL.	BLACK	BIG ASS FANS STANDARD WIRED CONTROLLER	A
SPECIAL POWER OUTLET		SPECIAL PURPOSE POWER OUTLET RATING AND CONFIGURATION AS NOTED MOUNT AT 300 AFFL UNLESS NOTED OTHER WISE			A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT ABOVE BENCH U.N.O.	WHITE	CLIPSAL C2000 SERIES	A



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DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT ABOVE BENCH U.N.O	WHITE	CLIPSAL C2000 SERIES	A
IP56 OUTLETS		PROVIDE OUTLETS ANNOTATED AS IP56 AS CLIPSAL I56 SERIES GREY OUTLETS C/W INTEGRAL SWITCH			A
WEATHERPROOF GPO (WP)		IP54 WEATHERPROOF SINGLE / DOUBLE GPO 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. "RSD" DENOTES ROLLER SHUTTER DOOR SUPPLY - COORDINATE LOCATION ONSITE WITH MOTOR.	-	CLIPSAL WHT35	A
COMMUNICATIONS RACK CR-A		PROVIDE CR-A AS A 24 RU 800 DEEP HINGED WALL MOUNTED RACK WITH FRONT AND REAR VERTICAL 19INCH MOUNTING RAILS. MOUNT THE RACK AT HIGH LEVEL. PROVIDE THE ARCH WITH A 19 INCH MOUNTED 10 PORT POWER RAIL CONNECTED TO THE RACK GPO. ENSURE THE RACK GPO IS COVERED WITHIN THE RACK WHEN THE RACK IS CLOSED. PROVIDE THE RACK WITH LOCKABLE VENTILATED SIDES AND DOOR AS WELL AS TWO TOP LID MOUNTED TEMPERATURE CONTROLLED VENTILATION FANS. PROVIDE THE RACK WITH A FOBOT, CAT 6 CCTV PATCH PANEL, COMMUNICATIONS CAT 6 PATCH PANEL. 19 INCH MOUNT THE AV AMPLIFIER AND CCTV NVR WITHIN THE RACK. PROVIDED DETAILS OF THE RACK FOR APPROVAL PRIOR TO ORDERING.			A
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A PATCH PANEL IN CR-A VIA 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET. MOUNT ABOVE BENCH UNLESS NOTED OTHERWISE	WHITE	CLIPSAL C2000 SERIES	A
CAT 6 CONTROL CABLE		PROVIDE AN UNTERMINATED CAT-6 CABLE FROM EACH FAN TO A WALL BOX MOUNTED AT 1000 AFFL FOR THE FAN CONTROLS. PROVIDE 1M SLACK AT THE WALL BOX AND 3M SLACK AT THE FAN.			A
DB-A		NEW DISTRIBUTION BOARD DB-A TO BE SUPPLIED FROM THE POOL MSB REFER TO THE NOTES AND DISTRIBUTION BOARD DB-A SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO THE DISTRIBUTION BOARD DB SECTION DETAIL FOR THE CONFIGURATION OF THE CONDUIT ACCESS INTO THE DISTRIBUTION BOARD			A
CONTACTOR		PROVIDE ALL CONTACTORS AS HEAVY DUTY MOTOR START TYPE.			A
RELAY		CONTROL RELAY.			A
BACKBOARD ACCESS POINT 1 (B1)		TAKE POSSESSION OF THE BACKBOARD CONNECTORS PROVIDED WITH BACKBOARDS AND CONNECT THEM AT THE B1 POSITIONS TO THE B2 CONTROLLERS VIA A CONCEALED CIRCULAR 3C + E 2.5 CABLES. PROVIDE ALL ACCESSORIES NECESSARY TO COMPLETE THE CONNECTIONS AND INSTALLATION.			A



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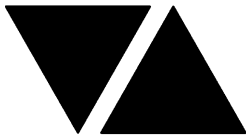
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REVISION B - 24 SEPTEMBER 2025

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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
BACKBOARD ACCESS POINT 2 (B2)		TAKE POSSESSION OF THE BACKBOARD LOCKABLE CONTROLLERS (B2) AND CONNECT EACH TO A DEDICATED CIRCUIT AND A BACKBOARD CONNECTOR AT A B1 POSITION. PROVIDE ALL ACCESSORIES NECESSARY TO COMPLETE THE CONNECTION AND INSTALLATION. MOUNT THE B2 CONTROLLERS AT 1000MM AFFL.			A
AUDIO POINT 1 (AV1)		PROVIDE FOUR CAT 6A CABLES AND TWO 8 WAY MULTICORE AUDIO (ROADWORX RW240824BK) FROM CR-A TO AUDIO POINT AV1. THE CABLES ARE TO BE UNTERMINATED WITH 1M SPARE LENGTH ON EACH END FOR THE SPECIALIST AUDIO VISUAL CONTRACTORS USE. PROVIDE TWO X 50 DIA COMMUNICATIONS CONDUITS WITHIN THE SLAB FROM CR-A TO AV12 WITH THE CONDUITS TURNED UP WITHIN THE WALLS TO DEEP WALL BOXES WITH BLANK FACEPLATES AT 300AFFL FOR FUTURE USE. PROVIDE EACH CONDUIT WITH A DRAW WIRE.			A
PROJECTOR (P1)		PROVIDE FOUR CAT 6A CABLES FROM PROJECTOR TO AUDIO POINT AV1. THE CABLES ARE TO BE UNTERMINATED WITH 1M SPARE LENGTH ON EACH END FOR THE SPECIALIST AUDIO VISUAL CONTRACTORS USE.			A
SECURITY EQUIPMENT		SECURITY SYSTEM PANELS AS NECESSARY TO ACCOMMODATE THE ADDITIONAL DETECTORS AND ACCESS CONTROL POINTS.			A
SECURITY DUAL TECH 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
SECURITY PRO TRI TECH INTRUDER DETECTOR		PROFESSIONAL- TRI-TECHNOLOGY PET IMMUNE 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
ACCESS CONTROL DOOR ELECTRIC STRIKE (ES)		FLUSH MOUNTED FAIL SAFE ELECTRIC DOOR STRIKE PLATE. ALLOW TO CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. PROVIDE A BATTERY BACK UP SYSTEM SUCH THAT THE ELECTRIC STRIKES REMAIN LOCKED FOR AT LEAST FOUR HOURS UPON MAINS POWER FAILURE. COORDINATE THE ELECTRIC DOOR STRIKE INTERFACE WITH THE DOOR SUPPLIER. EACH ELECTRIC STRIKE IS TO BE PROVIDED WITH DOOR STATUS REPORTING (DOOR OPEN / DOOR CLOSED)			A
ACCESS CONTROL DOOR CARD READER (CR)		WALL-MOUNTED 1000AFFL VANDAL-RESISTANT ACCESS CONTROL SYSTEM HEAVY-DUTY PROXIMITY CARD READER. PROVIDE DOOR READERS AND POWER SUPPLIES AS REQUIRED			A
SECURITY PIZEO		SECURITY FLUSH WALL RECESSED PIZEO SIREN MOUNTED AT 3000AFFL.			A
SECURITY REED SWITCH		SECURITY FLUSH DOOR / GATE REED SWITCH ALL CABLING AND ASSOCIATED CONDUIT TO BE CONCEALED. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH EACH DOOR / SET OF DOORS CONFIGURED AS A SINGLE ZONE. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW REED SWITCHES AND CHANGES TO THE SATISFACTION OF THE SCHOOL.			A
SECURITY KEY PAD (KP)		SECURITY ARMING / DISARMING KEY PAD LOCATED IN A FLUSH RECESSED LOCKABLE HINGED 316 STAINLESS STEEL ENCLOSURE. ALL CABLING AND ASSOCIATED CONDUIT TO BE CONCEALED.			A
CCTV CAMERA INTERNAL POSITIONS		SURFACE MOUNTED COLOUR FIXED TURRET CAMERA CABLED TO A CAT 6 CAMERA PATCH PANEL. IN CR-A VIA 4-PAIR CAT-6 UTP CABLE. PROVIDE THE CAMERA WITH PROTECTION AGAINST THE IMPACT FROM BASKET BALLS.			B



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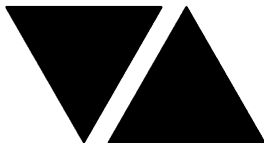
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CCTV CAMERA EXTERNAL POSITIONS		SURFACE MOUNTED IR FIXED TURRET CAMERA CABLED TO A CAT 6 CAMERA PATCH PANEL WITHIN CR-A VIA 4-PAIR CAT-6 UTP CABLE.			B
SCORE BOARD (SB)		PROVIDE THE SCORE BOARD WITH A CAT 6 UNEQUALLY COLOURED CABLE WITH 2M TAILS FROM THE SCORE BOARD TO THE CONTROL PANEL UNTERMINATED WITH 3000 TAILS FOR TERMINATION BY OTHERS.	NA	NA	B
CONTROL PANEL (CP)		PROVIDE THE CONTROL PANEL DATA CABLING IN A DEEP RECESS WALL BOX AT 300 AFFL C.W BLANK COVER PLATE FOR TERMINATION BY OTHERS.	WHITE	CLIPSAL C2000 SERIES	B
SHOT CLOCK (SC)		PROVIDE THE SHOT CLOCK WITH CAT 6 UNEQUALLY COLOURED CABLE TO THE CONTROL PANEL UNTERMINATED WITH 3000 TAILS FOR TERMINATION BY OTHERS.	NA	NA	B



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


























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DISTRIBUTION BOARD DB-A (COVERED AREA HALL)

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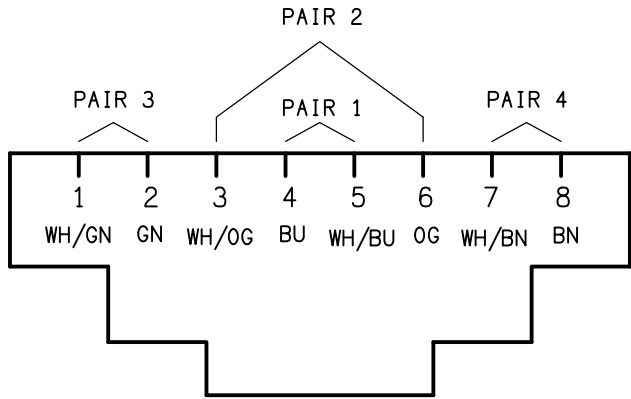
<div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 60 POLES</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> <div>MAIN SWITCH: 160A NON AUTO LOAD BREAK ISOLATOR</div> <div>SUPPLIED FROM: SITE MSB</div> <div>SUPPLY CABLE: 4C 35</div>							REV
							A
							A
							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL EACH CIRCUIT BREAKER WITH THE USE AND THE POSITION. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	CEILING	BACK BOARD	A
P2	1	20	RCBO	2.5	CEILING	BACK BOARD	A
P3	3	20	RCBO	2.5	CEILING	FAN	A
P4	3	20	RCBO	2.5	CEILING	FAN	A
P5	3	40	RCBO	6.0	STAGE	40A OUTLET	A
P6	3	20	RCBO	2.5	STAGE	GPO	A
P7	1	20	RCBO	2.5	HALL	GPO	A
P8	1	20	RCBO	2.5	HALL	GPO	A
P9	1	20	RCBO	2.5	HALL	GPO	A
P10	1	20	RCBO	2.5	HALL	GPO	A
P11	1	20	RCBO	2.5	HALL	GPO	A
P12	1	20	RCBO	2.5	HALL	GPO	A
P13	1	20	RCBO	2.5	HALL	GPO	A
P14	1	20	RCBO	2.5	STORE	CR-A	A
P15	1	20	RCBO	2.5	HALL	DRINKS	A
P16	3	20	RCBO	2.5	STORE	RSD	A
P17	1	20	RCBO	2.5	GARAGE	GPO	A
P18	1	20	RCBO	2.5	STORE	SECURITY	A
P19	1	20	RCBO	2.5	HALL	PROJECTOR	A
P20	1	20	RCBO	2.5	GARAGE	GPO	A
P21	1	20	RCBO	2.5	EXTERNAL	AC	B
P22	1	20	RCBO	2.5	HALL	SCORE BOARD	B
L1	1	20	RCBO	2.5	HALL	LIGHTS	A
L2	1	20	RCBO	2.5	HALL	LIGHTS	A
L3	1	20	RCBO	2.5	HALL	LIGHTS	A
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY	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.
-  CONDUIT ROUTE.
-  LIGHTING CONTROL SWITCH PANEL.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  ONE-WAY LIGHT SWITCH.
-  LIGHTING CONTROL CHANNEL.
-  POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  CAT-6 CONTROL CABLE.
-  COMMUNICATIONS RACK.
-  BASKETBALL HOOP CONTROL ACCESS, TYPE AS NOTED.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  SECURITY ELECTRIC STRIKE.
-  SECURITY KEY PANEL.
-  SECURITY CAMERA.
-  SECURITY REED SWITCH.
-  SECURITY PRO TRI TECH INTRUDER DETECTOR.
-  SECURITY DUAL TECH INTRUDER DETECTOR.
-  PIZEO SIREN.
-  L1: HIGH BAY.
-  L2: 1200 LONG UNSWITCHED SURFACE BATTEN, C/W NON-MAINTAINED EMERGENCY BATTERY PACK.
-  L3: 1200 LONG SURFACE BATTEN C/W MOVEMENT SENSOR.
-  L4: 1200 LONG SURFACE SECURITY BATTEN.
-  L5: WALL LIGHT.
-  EX: EMERGENCY EXIT LIGHT.
-  F1: CEILING FAN.
-  FC: CEILING FAN CONTROLLER.
-  P1: PROJECTOR.
-  SB: SCORE BOARD.
-  CP: SCORE BOARD CONTROL PANEL.
-  SC: SHOT CLOCK.

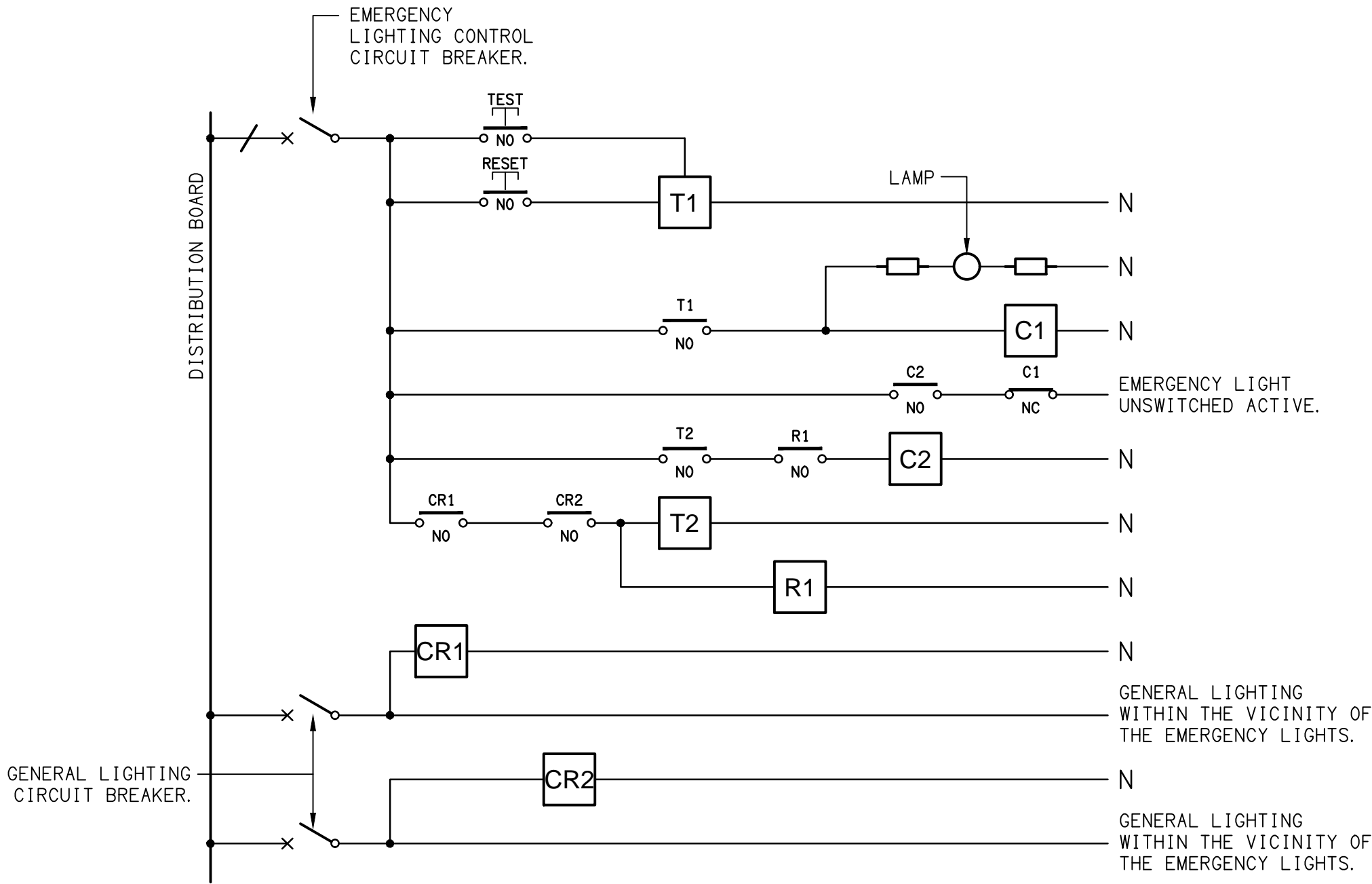
EQUIPMENT:

- 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.
- T1 - ADJUSTABLE 0-3 HOUR TIMED RELAY.
- T2 - 15 MINUTE RUN-ON TIMER TO OPERATE UPON THE RETURN OF MAINS POWER.
- Cx - CONTACTOR x.
- CRx - CONTROL RELAY x.
- Rx - RELAY x.



SCHEMATIC

RJ45 PINOUT CONFIGURATION
NOT TO SCALE

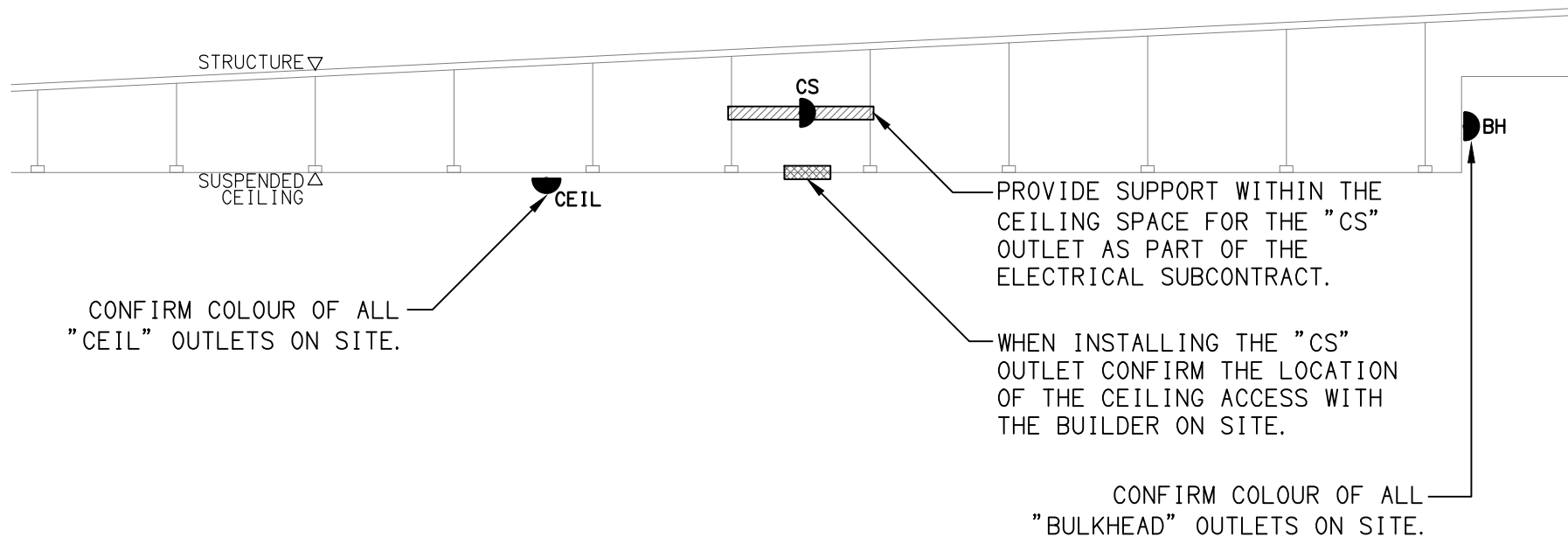


NOTES

- THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.
- PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CR1 AND CR2 FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.

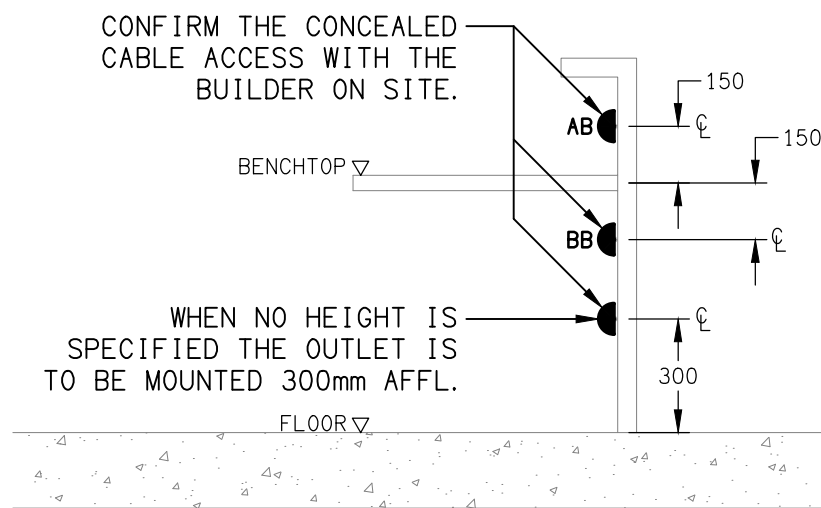
SCHEMATIC

EMERGENCY LIGHTING
NOT TO SCALE



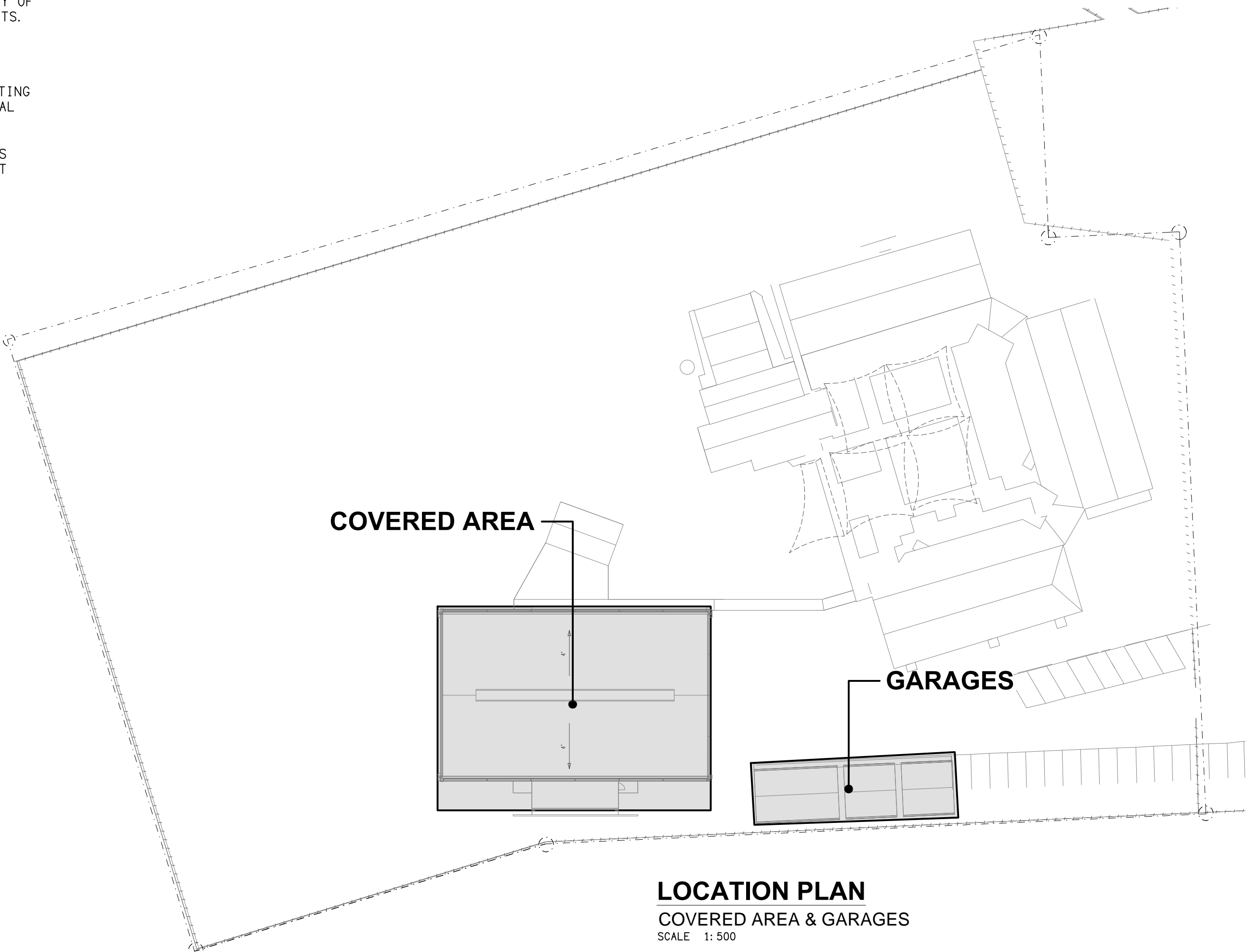
NOTE

THE MOUNTING ARRANGEMENTS AND OUTLETS SHOWN ON THIS DETAIL ARE GENERIC AND MAY NOT BE REQUIRED ON THIS PROJECT.



DETAIL

TYPICAL OUTLET MOUNTINGS
NOT TO SCALE



LOCATION PLAN

COVERED AREA & GARAGES
SCALE 1:500

C	TENDER	24/09/2025
REV:	DESCRIPTION:	DATE:

DRAWING:
**ELECTRICAL SERVICES
LEGEND & LOCATION PLAN**

SCALE:
1:500

AT A1

PROJECT NO:
C3423a

DRAWING NO:
E01

REVISION:
C

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

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PROJECT:
**FLEXIBLE LEARNING CENTRE, MT ISA
COVERED AREA**

74 ABEL SMITH PARADE, MOUNT ISA CITY

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.
- POWER SUPPLY AUDIT.
- LIGHTING.
- CEILING FANS AND CONTROLLERS.
- COMMUNICATIONS CABLING.
- SCORE BOARD CONTROL CABLING.
- AV CABLING.
- ACCESS CONTROL.
- CCTV SYSTEM.
- SECURITY SYSTEM.
- 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.

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.

UNDERTAKE A COMPREHENSIVE SURVEY OF THE EXISTING UNDERGROUND ELECTRICAL SERVICES WITHIN THE VICINITY OF THE WORKS IDENTIFYING ALL CABLE LOCATIONS PRIOR TO ANY EXCAVATION.

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.
- 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

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE UPGRADING THE EXISTING MSB TO ACCOMMODATE A 100 AMP THREE PHASE MCCB TO SUPPLY A NEW UNDERGROUND 4 CORE 35MM SUBMAIN TO DB-A. THE NEW COVERED AREA CIRCUITS ARE TO BE SUPPLIED FROM DB-A. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- POWER DISTRIBUTION.
- EARTHING.
- MSB UPGRADE INCLUDING LABELLING.
- SUB MAINS.
- DISTRIBUTION BOARD DB-A.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.

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

PROVIDE THE DISTRIBUTION BOARD AS FOLLOW:

- IP56.
- 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.

7. POWER SUPPLY AUDIT.

WITHIN TWO WEEKS OF THE CONTRACT BEING AWARDED, UNDERTAKE AN AUDIT OF THE EXISTING POWER SUPPLY AND PROVIDE THE FOLLOWING INFORMATION:

- CURRENT RATING OF THE ERGON FUSES SUPPLYING THE SITE.
- THE SIZE AND TYPE OF THE CONSUMERS MAINS.
- THE CURRENT RATING OF THE MAIN SWITCHBOARD.
- DETAILED PHOTOS OF ALL ASPECTS OF THE EXISTING MAIN SWITCHBOARD.
- A CONDITION REPORT OF THE MAIN SWITCHBOARD.
- A DETAILED SCHEMATIC INCLUDING THE SIZE AND CURRENT RATINGS OF ALL COMPONENTS WITHIN THE MAIN SWITCHBOARD.

8. 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.
- CEILING FANS AND THE ASSOCIATED CONTROLS.
- 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 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.

9. COMMUNICATIONS

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

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A COMMUNICATIONS RACK CR-A SUPPORTING A CAT 6A INSTALLATION WITH A COMMSCOPE MANUFACTURERS WARRANTY. UTILISE DIFFERENT COLOUR UTP CABLING AND PATCH LEADS FOR THE COMMUNICATIONS OUTLETS, AV CABLING AND CCTV CABLING.

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- COMMUNICATIONS RACK CR-A.
- CABLE ACCESS TO THE MAIN BUILDING COMMUNICATION RACK.
- A FOBOT AS REQUIRED IN THE MAIN BUILDING COMMUNICATION RACK.
- OPTICAL FIBRE CABLE CONNECTING THE MAIN BUILDING COMMUNICATION RACK FOBOT TO CR-A.
- NEW CAT 6 COMMUNICATIONS OUTLETS.
- TESTING AND COMMISSIONING.

NOTES

10.0 AUDIO VISUAL

VIDEOPRO 153C HANNAH RIGBY LA, EAGLE FARM QLD 4009 ARE TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUBCONTRACTOR TO SUPPLY AND INSTALL THE AV SERVICES. THE AUDIO VISUAL SERVICES COMPONENT OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- INPUTS - AV CONTROL SYSTEM
- INSTALLATION OF EXISTING PROJECTOR (EPSON MODEL, ~6500 LUMENS)
- STEREO SPEAKER SYSTEM.
- INTEGRATION AND HANDOVER:
- FULLY CONFIGURED AND TESTED.
- SYSTEM TRAINING FOR SCHOOL STAFF.
- AS-BUILT DOCUMENTATION, MANUALS, WARRANTIES, AND MAINTENANCE DOCUMENTATION.

CONNECT THE PROJECTOR WITH POWER, VIDEO VIA HDBASET, AND CONTROL SIGNALLING TO AV CONTROL SYSTEM.

PROVIDE AN AV INPUT WALL PLATE CONTAINING A HDMI INPUT FOR AUDIO AND VIDEO AND A 3.5MM AUDIO INPUT.

PROVIDE SYSTEM INPUTS INCLUDING:
- BLUETOOTH AUDIO.
- 2X HANDHELD WIRELESS MICROPHONES.
- 2X ADDITIONAL HDMI INPUTS FOR APPLE TV OR OTHER SOURCES TO BE SUPPLIED BY THE CUSTOMER

PROVIDE AN AV CONTROL SYSTEM THAT INCLUDES:
- VIDEO INPUT SELECTOR, AUDIO AMPLIFIERS AND DSP, TO BE INSTALLED IN COMMUNICATIONS RACK LOCATED IN STOREROOM.
- A WALL-MOUNTED, TAMPER-RESISTANT AV CONTROL PANEL AT A HEIGHT ACCESSIBLE TO STAFF AND PRESENTERS.
- ENSURE THE CONTROL PANEL IS SUITABLY ROBUST FOR INSTALLATION IN A SPORTS HALL AND PROVIDE A MECHANISM FOR SCHOOL STAFF TO MANAGE SYSTEM ACCESS, SUCH AS A PIN CODE, OR A LOCKABLE COVER.

PROVIDE A CONTROL PANEL THAT INCLUDES:
- POWER ON/OFF FOR PROJECTOR/DISPLAY.
- VIDEO INPUT SELECTION FOR PROJECTOR.
- MASTER AUDIO VOLUME CONTROL.
- INDEPENDENT MICROPHONE AND AUDIO INPUT VOLUME CONTROL.
- SYSTEM MUTE.

11. ACCESS CONTROL.

RUSWIN MOUNT ISA 36 FOURTH AVE MOUNT ISA QLD 4825 ROB MCALLISTER
rob.mcallister@ruswin.com.au IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUBCONTRACTOR TO SUPPLY AND INSTALL ACCESS CONTROL SYSTEM.

12. CCTV SYSTEM.

ATLAS TECH JAMES MIFSUD james.mifsud@atlastech.com.au 3/22-24 STRATHWYN ST BRENDALE QLD 4740 IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUBCONTRACTOR TO SUPPLY AND INSTALL THE CCTV SYSTEM.

THE CCTV SYSTEM COMPONENT OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- CAMERAS THAT SUPPORT NX WITNESS EMBEDDED FOR INTEGRATION WITH NX CLOUD (EG MILESIGHT/VCA MODELS) CONNECTED TO A NATIONAL NETWORK OPTIX NX CLOUD INSTANCE, SO ACCESS CAN BE DELEGATED TO RELEVANT SCHOOL STAFF. - CCTV-GRADE SD CARDS (E.G. WD PURPLE) OF AT LEAST 256-512 GB FOR EACH CAMERA. LOW-SPEC CARDS (E.G. THOSE YOU GET FROM OFFICEWORKS) CANNOT HANDLE THE WRITE CYCLES OF CONSTANT VIDEO RECORDING AND WILL FAIL.
- SOLUTIONS MANUFACTURED BY UNETHICAL HARDWARE VENDORS (E.G. HIKVISION) OR THAT REQUIRE A LOCAL NVR OF ANY KIND ARE NOT APPROVED FOR USE AND WILL NOT BE SUPPORTED BY FLEXI IT. THIS MEANS THERE WILL BE NO INTEGRATION ONTO THE FLEXI NETWORK, PREVENTING REMOTE ACCESS, MOBILE AND DESKTOP APPS, ETC.

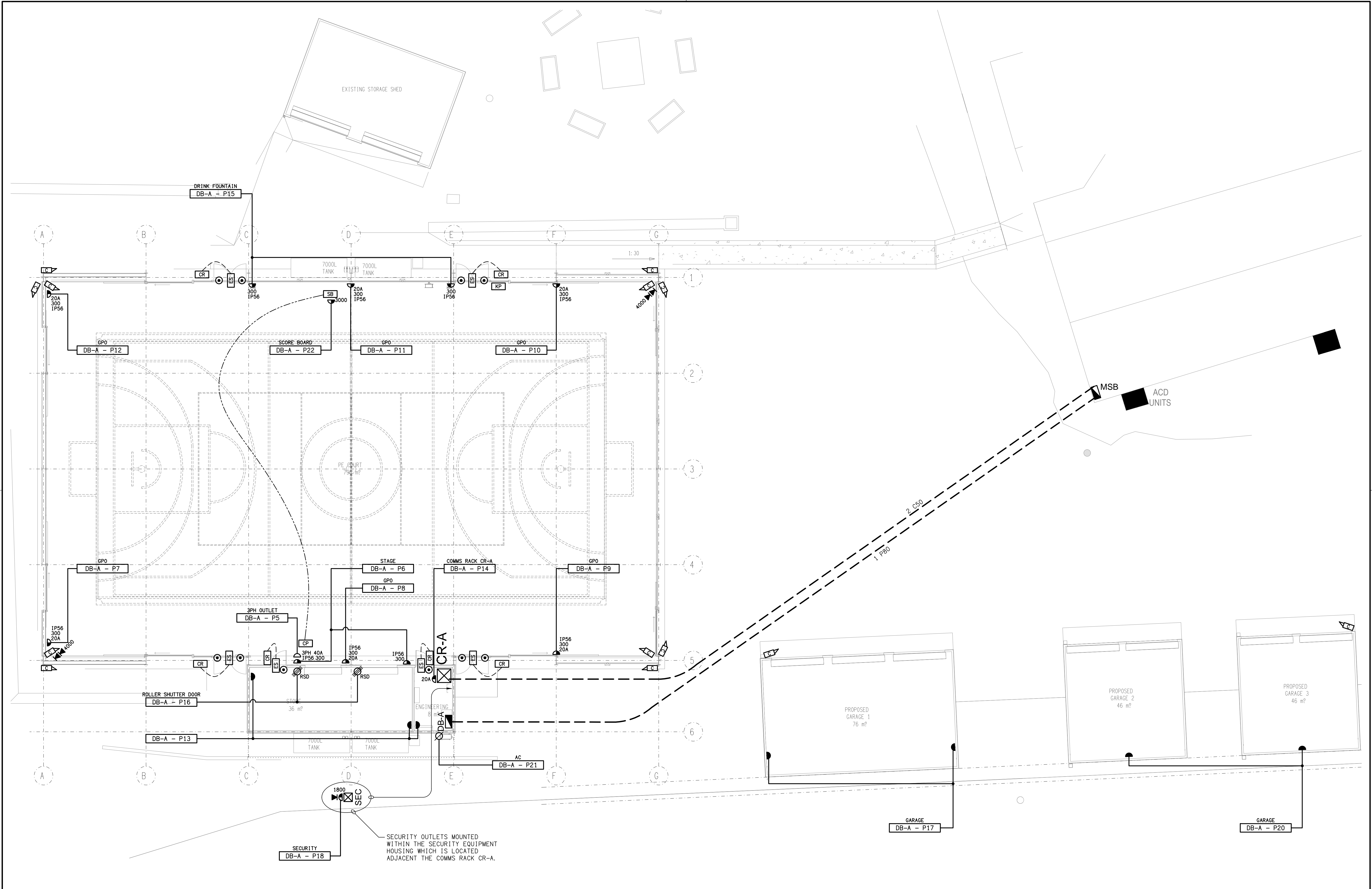
13. SECURITY.

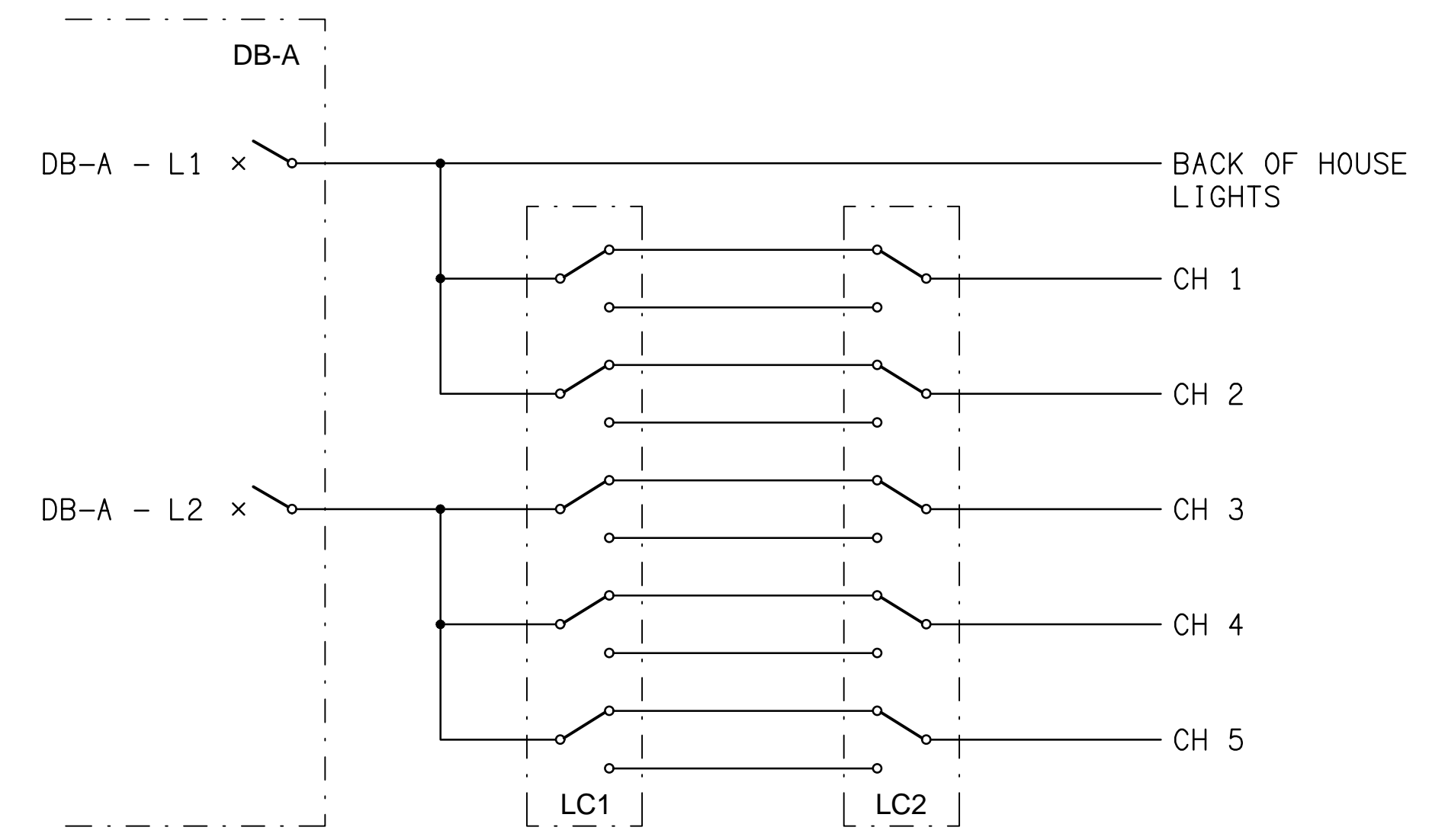
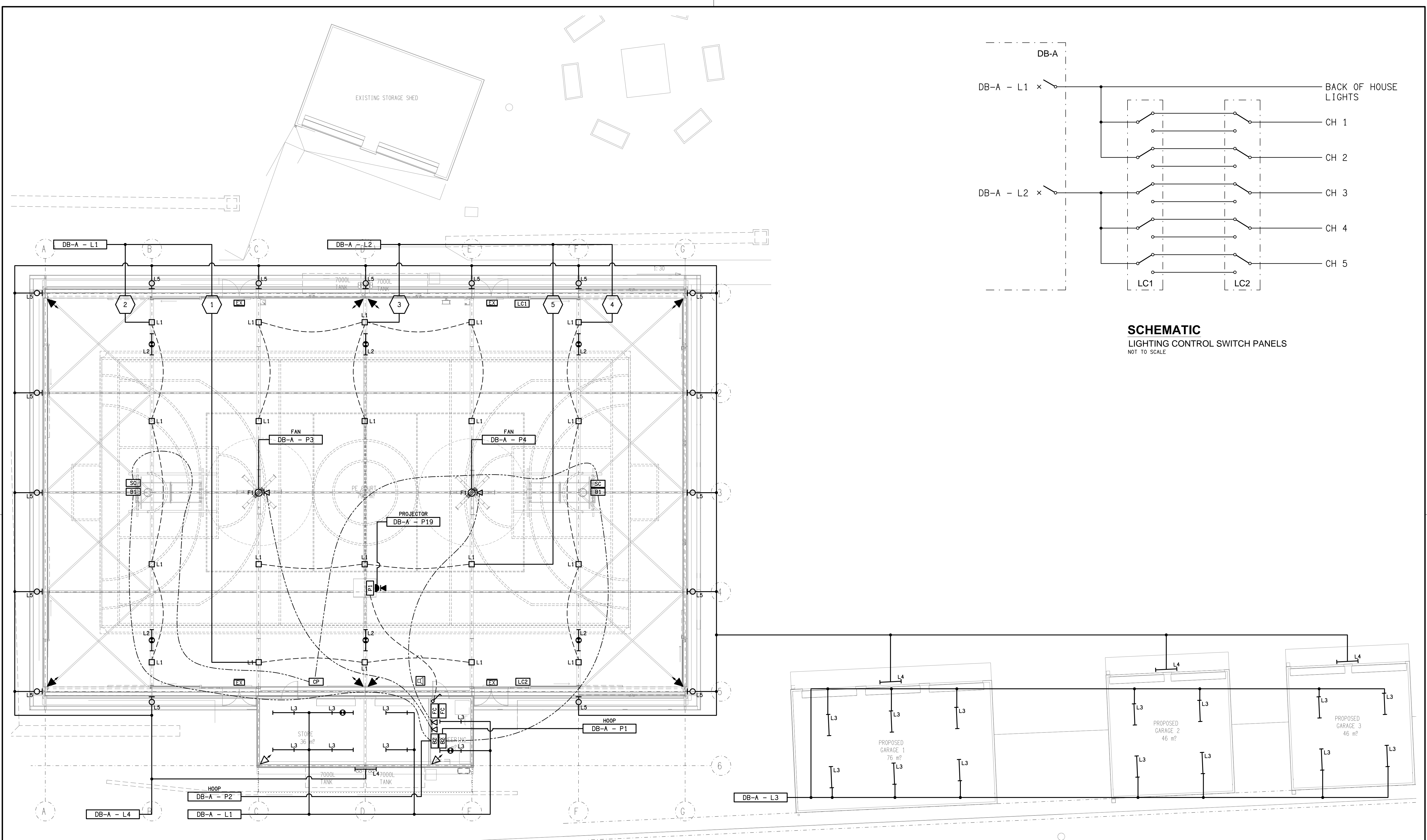
CARLAND SECURITIES SHOP/2 W ST LN MOUNT ISA CITY QLD 4825 MARTIN CARLAND
martin@carlandsecurities.com.au IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUBCONTRACTOR TO SUPPLY AND INSTALL THE security SYSTEM.

14. 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.
- MCB - MINIATURE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- RCBO - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER.
- SUS - MOUNT SUSPENDED FROM CEILING.
- UNO - UNLESS NOTED OTHERWISE.
- WP - WEATHERPROOF TO IP56 UNO.
- 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793		THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP.		PROJECT: FLEXIBLE LEARNING CENTRE, MT ISA COVERED AREA		C 24/09/2025		TENDER	
						REV: DESCRIPTION:		DATE:	
TRADING AS: ELECTRICAL DESIGN GROUP		USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.		P.O.Box 15, Sherwood Q.4075 Phone: (07) 3278 4375 Email: brisbane@edg.net.au Web: www.edg.net.au		DRAWING: ELECTRICAL SERVICES NOTES		SCALE: NOT TO SCALE AT A1	
				74 ABEL SMITH PARADE, MOUNT ISA CITY		PROJECT NO: C3423a		DRAWING NO: E02	
						REVISION: C			





SCHEMATIC
LIGHTING CONTROL SWITCH PANELS
NOT TO SCALE