



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3852a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, IDT

C3852a-0001(A).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION A - 14 SEPTEMBER 2026

ISSUING INFORMATION				DATE OF ISSUE							
				DAY	14						
				MONTH	09						
				YEAR	26						
				REASON FOR ISSUE	P						
A = APPROVAL				C = CONSTRUCTION				N = COORDINATION			
				P = PRELIMINARY				T = TENDER			

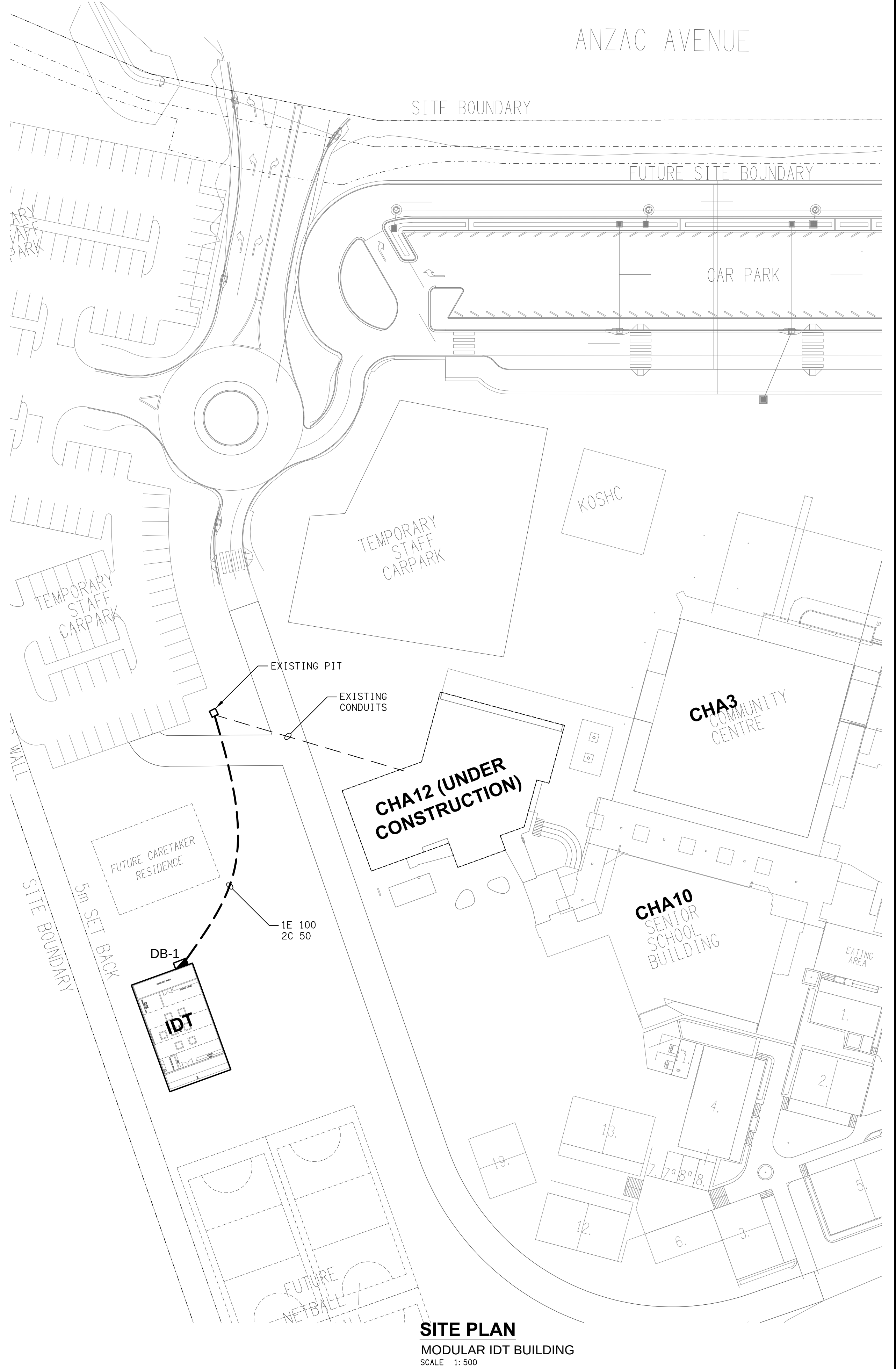
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DOCUMENTS				REVISION							
C3852a-E01.dwg	LEGEND & SITE PLAN			A							
C3852a-E02.dwg	NOTES			A							
C3852a-E03.dwg	FLOOR PLAN			A							
C3852a-E04.dwg	REFLECTED CEILING PLAN			A							
C3852a-0001.xls	CONTRACT DOCUMENT SCHEDULE			A							

 L1
 L2
 L3
 L4
 EX
 MS
 METAL 10A
 METAL 15A
 METAL
 FB1
 ES0
 Ø
 DB-1
 LC-1
 LC-2
 LC-3
 LC-4
 LC-5
 LC-6
 SECURITY
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No
L1	1200 LONG LED BATTEN SUPPLIED AS PART OF THE DEMOUNTABLE TO BE RECIRCUITED AS INDICATED			
L2	1200 LONG LED BATTEN SUPPLIED AS PART OF THE DEMOUNTABLE TO BE REPLACED WITH A SIMILAR FITTING CONTAINING A NON MAINTAINED AS2293 EMERGENCY PACK AND BE RECIRCUITED AS INDICATED			
L3	2 x 15W 4000K LED	WALL MOUNTED SELF CONTAINED PIR SENSOR FLOOD LIGHT	BLACK	SAL SES70802CT-BK
L4	IP66 600 LED BATTEN WALL MOUNTED AT 1400 WITH A LOCAL MANUAL METAL CLAD SWITCH BESIDE THE GRINDER POWER OUTLET FACEPLATE			
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. CEILING 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. AS2293 CLASSIFICATION C0-D8 - C90-E3.2.	WHITE	STANLITE PQFLEDP
TWO-WAY LIGHT SWITCH		TWO-WAY LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES 30USM
MOTION SWITCH (MS)		ADJUSTABLE SURFACE MOUNTED PE CELL / MOTION SENSOR TO OPERATE THE ASSOCIATED LIGHTS FOR A PRE-SET AMOUNT OF TIME. ADJUST THE TIME AND SENSITIVITY ON SITE AS DIRECTED BY THE COLLEGE.	WHITE	CLIPSAL
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.		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.		CLIPSAL C2000 SERIES
10 AMP METAL OUTLETS		METAL CLAD 10A GPO	YELLOW	CLIPSAL WMC310
15 AMP METAL OUTLETS		METAL CLAD 15 AMP GPO	YELLOW	CLIPSAL WMC315
METAL LIGHT SWITCH		METAL CLAD LIGHT SWITCH	YELLOW	CLIPSAL WMS110
FLOOR BOX (FB1)		FLUSH RECESSED FLOOR BOX WITH A DOUBLE GPO	STAINLESS STEEL	ECD FB145
EMERGENCY SHUT OFF (ESO)		WALL MOUNTED RED MUSHROOM PUSH BUTTON WIRED IN SERIES TO ISOLATE THE DB-1 ESO CHASSIS AN SUBSEQUENT DB-1 CIRCUITS NOTED IN THE SCHEDULE AS HAVING ESO CONTROL.		
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
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
DB-1		PROVIDE A NEW DISTRIBUTION BOARD DB-1 AS PER THE DB-1 SCHEDULE. SUPPLY DB-1 FROM THE EXISTING CHA 13 DB-12 VIA A NEW 3 PHASE 63 AMP MCB AND 4 x 1 C 70MM CU SUBMAIN		
LC-1		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-1 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
LC-2		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-2 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
LC-3		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-3 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
LC-4		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-4 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
LC-5		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-5 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
LC-6		LOAD CENTRE PROVIDED AS PART OF THE DEMOUNTABLE. ALL CIRCUITS AND OUTLETS NOTED AS BEING SUPPLIED FROM LC-6 ARE ALSO SUPPLIED AS PART OF THE DEMOUNTABLE.		
SECURITY EQUIPMENT		SECURITY EQUIPMENT TO BE PROVIDED BY THE SECURITY CONTRACTOR. PROVIDE AN INTERFACE TO THE SECURITY SYSTEM SUCH THAT THE INTERNAL LIGHTS ARE CONTROLLED VIA A DRY CONTACT FROM THE SECURITY SYSTEM SO THE INTERNAL LIGHTS ARE AUTOMATICALLY TURNED OFF / DISABLED WHEN THE SECURITY SYSTEM IS ARMED.		
COMMUNICATIONS RACK CR-1		PROVIDE CR-1 AS A WALL MOUNTED HINGED 12 RU 600 DEEP COMMUNICATIONS RACK CONNECTED TO THE CHA 12 RACK VIA AN UNDERGROUND LOOSE TUBE GEL FILLED 12 CORE OS2 OPTICAL FIBRE CABLES FULLY TERMINATED WITH LC CONNECTORS. PROVIDE CR-1 WITH A ROBOT AND ALL NECESSARY PATCH PANELS TO ACCOMMODATE THE COMMUNICATIONS OUTLETS, CCTV POINTS AND SPEAKER POINTS.		
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-12 VIA BLUE 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET. MOUNT AT 300 AFFL U.N.O	WHITE	CLIPSAL C2000 SERIES
CAT 6A STP COMMUNICATIONS OUTLET		RJ45 CAT-6A STP COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-12 VIA A BLUE 4-PAIR CAT-6A STP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET. MOUNT AT 300 AFFL U.N.O	WHITE	CLIPSAL C2000 SERIES
IP SPEAKER		HIGH LEVEL WALL MOUNTED RJ45 CAT-6 COMMUNICATIONS PLUG, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-1 VIA YELLOW 4-PAIR CAT-6 UTP CABLE. PROVIDE THE PLUG SUCH THAT IT PROTRUDES OUT 150MM FROM A FLUSH CONDUIT TO ALLOW THE SPEAKER TO BE INSTALLED OVER THE CONDUIT WITH THE PLUG DIRECTLY CONNECTED INTO THE CONCEALED REAR OF THE SPEAKER. THE SPEAKER WILL BE SUPPLIED BY THE COLLEGE IT DEPARTMENT.		
CCTV POINT (C)		CEILING MOUNTED RJ45 CAT-6 COMMUNICATIONS PLUG, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-1 VIA YELLOW 4-PAIR CAT-6 UTP CABLE. PROVIDE THE PLUG SUCH THAT IT PROTRUDES OUT 150MM FROM A FLUSH CONDUIT TO ALLOW THE CAMERA TO BE INSTALLED OVER THE CONDUIT WITH THE PLUG DIRECTLY CONNECTED INTO THE CONCEALED REAR OF THE CAMERA. THE CAMERA WILL BE SUPPLIED BY THE COLLEGE IT DEPARTMENT.		
ACCESS CONTROL MAGNETIC HOLDER		SURFACE MOUNTED ACCESS CONTROL MAGNETIC HOLDER BY THE SECURITY CONTRACTOR		
ACCESS CONTROL PUSH BUTTON (PB)		SURFACE MOUNTED ACCESS CONTROL EXIT PUSH BUTTON BY THE SECURITY CONTRACTOR		
ACCESS CONTROL CARD READER (CR)		SURFACE MOUNTED ACCESS CONTROL CARD READER BY THE SECURITY CONTRACTOR		
INTRUDER DETECTOR SENSOR		SURFACE MOUNTED PIEZO SIREN BY THE SECURITY CONTRACTOR		
SECURITY PIEZO		SURFACE MOUNTED PIEZO SIREN BY THE SECURITY CONTRACTOR		

FAULT CURRENT:		6KA		MAIN SWITCH:		100A NON AUTO LOAD BREAK ISOLATOR	
CHASSIS SIZE:		24 POLE PLUS 36 POLE ESO CHASSIS		SUPPLIED FROM:		DB-12	
CHASSIS RATING:		250A		SUPPLY CABLE:		1C 70	
PHASES:		3					
IP66 LOCKABLE. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY AND SURGE PROTECTION. COLOUR LIGHT GREY.							
CIRC	PH	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	
		BREAKER (amps)	EQUIPMENT	SIZE (mm2)		USE	
P1	1	32	MCB ESO	6.0	INTERNAL	LC- 1	
P2	1	32	MCB ESO	6.0	INTERNAL	LC- 2	
P3	1	32	MCB ESO	6.0	INTERNAL	LC- 3	
P4	1	32	MCB ESO	6.0	INTERNAL	LC- 4	
P5	1	32	MCB ESO	6.0	INTERNAL	LC- 5	
P6	1	32	MCB ESO	6.0	INTERNAL	LC- 6	
P7	1	20	RCBO	2.5	STORE	COMPRESSOR	
P8	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P9	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P10	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P11	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P12	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P13	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P14	1	20	RCBO ESO	2.5	INTERNAL	20A OUTLET	
P15	3	20	RCBO ESO	2.5	INTERNAL	TABLE SAW	
P16	1	20	RCBO	2.5	INTERNAL	TV	
P17	1	20	RCBO	2.5	INTERNAL	REFRIGERATOR	
P18	1	20	RCBO ESO	2.5	INTERNAL	GRINDER	
P19	1	20	RCBO ESO	2.5	INTERNAL	WELDER	
P20	1	20	RCBO ESO	2.5	INTERNAL	WELDER	
P21	1	20	RCBO ESO	2.5	INTERNAL	FLOOR BOX	
P22	1	20	RCBO ESO	2.5	INTERNAL	FLOOR BOX	
P23	1	20	RCBO ESO	2.5	INTERNAL	FLOOR BOX	
P24	1	20	RCBO	2.5	INTERNAL	COMMS RACK CR-1	
L1	1	20	RCBO	2.5	INTERNAL	LIGHTS	
L2	1	20	RCBO	2.5	EXTERNAL	LIGHTS	



A	PRELIMINARY	14/09/2026
REV:	DESCRIPTION:	DATE:
DRAWING:		
ELECTRICAL SERVICES LEGEND & SITE PLAN		
SCALE:	PROJECT NO:	DRAWING NO:
1:500	C3852a	E01
AT A1		REVISION:
		A

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PTY LTD
ACN 092 710 793

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38-112 ANZAC AVENUE, CHAMBERS FLAT

SCALE:
1:500

AT A1

PROJECT NO:
C3852a

DRAWING NO.
E01

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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.
- COMMUNICATIONS CABLING.
- ALL WORKS AND MATERIALS TO CREATE A SAFE WORK SITE INCLUDING RESTRICTING ACCESS TO NON-AUTHORISED PEOPLE.
- ALL MACHINERY REQUIRED TO COMPLETE THE INSTALLATION INCLUDING LIFTING AND HOISTING MACHINERY, TRANSPORTATION MACHINERY, WINCHES, FORKLIFTS, SCISSOR LIFTS, HOISTS, BOOMS, CHERRY PICKERS.
- ALL NECESSARY WASTE MANAGEMENT AND WASTE REMOVAL.
- 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 OF ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.

CONFIRM THE POSITION OF ALL OUTLETS ON SITE WITH THE SCHOOL PRIOR TO ROUGH-IN.

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.

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.

ALL WORK IS TO BE UNDERTAKEN IN SUCH A MANNER THAT THE OPERATION OF THE REMAINING SCHOOL AREAS ARE NOT UNDULY EFFECTED BY THE WORKS.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE FIRE ALARM SYSTEM DOCUMENTS OR IN INSTRUCTIONS, IT IS THE FIRE ALARM SYSTEM SUB CONTRACTOR’S RESPONSIBILITY TO ENSURE ALL FIRE ALARM SYSTEM WORKS ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING. REFER ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE FOLLOWING AND/OR THE FIRE ALARM SYSTEM 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.
- FIRE ENGINEERING REPORT.
- ELECTRICITY ACT.
- ELECTRICAL SAFETY ACT.
- AS/NZS3000.
- AS3008.
- AS/NZS 5033: 2021.
- AS/NZS 4777.1: 2024
- 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 WORKPLACE, HEALTH AND SAFETY AUTHORITY.
- LOCAL FIRE AND RESCUE AUTHORITY.
- SOLAR ACCREDITATION AUSTRALIA.

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 PROVIDING A NEW 63A 3 PHASE MCCB THE THE BUILDING CHA12 SWITCHBOARD DB-12 TO SUPPLY THE NEW DISTRIBUTION BOARD DB-1 VIA A NEW UNDERGROUND SUB MAIN. THE ELECTRICAL COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- POWER DISTRIBUTION.
- EARTHING.
- PROVIDE A NEW MCCB IN DB-12.
- NEW SUBMAINS FROM DB-12 TO DB-1.
- SUPPLIES FROM DB-1 TO THE LOAD CENTRES SUPPLIED AS PART OF THE DEMOUNTABLES.
- EMERGENCY SHUT OFF.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- SWITCHBOARD SHOP DRAWING.

THE POWER SUPPLY TO THE REMAINDER OF THE SCHOOL MUST BE MAINTAINED AT ALL TIMES THE SCHOOL IS OPEN INCLUDING THE AFTER HOURS CARE. ANY INTERRUPTION TO THE POWER SUPPLY MUST BE ADVISED TO THE SCHOOL IN WRITING TWO WEEKS PRIOR.

REFER DISTRIBUTION BOARD SCHEDULE FOR ADDITIONAL REQUIREMENTS AND CIRCUIT DETAILS.

ENSURE ALL OUTLETS AND ISOLATORS ARE POSITIONED SUCH THAT THEY ARE NOT COVERED BY THE EQUIPMENT. THE FINAL POSITION OF ALL OUTLETS AND ISOLATORS ARE TO BE CONFIRMED ON SITE BY THE COLLEGE.

7. LIGHTING

THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES RESUPPLYING THE INTERNAL LIGHTING PROVIDED AS PART OF THE DEMOUNTABLE BUILDINGS FROM DB-1 TO FACILITATE AN AS2293 COMPLIANT EMERGENCY LIGHTING SYSTEM. PROVIDE EXTERNAL LIGHTING, GENERAL LIGHTING CONTROL, EMERGENCY AND EVACUATION LIGHTING AND THE LIGHTING SUB CIRCUIT WIRING. ALL OF THE LIGHT FITTINGS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. ALL LIGHT SOURCES ARE TO BE SOLID STATE LED WITH A 5-YEAR MANUFACTUREERS WARRANTY. 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:

- INTERNAL AND EXTERNAL LIGHTING.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- INTERFACE THE INTERNAL LIGHTING TO THE SECURITY SYSTEM SUCH THAT WHEN THE SECURITY SYSTEM IS ARMED THE INTERNAL LIGHTS ARE DISABLED / OFF.
- 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.

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.

8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES A NEW COMMUNICATION RACK CR-1 TO SUPPORT CAT 6 RJ45 OUTLETS CABLED TO MODULAR PATCH PANELS. PROVIDE A NEW 12 CORE OS2 GEL FILLED UNDERGROUND LC TERMINATED OPTICAL FIBRE CABLE FROM THE EXISTING COMMUNICATIONS RACK IN BUILDING CHA12. THE COMMUNICATIONS CABLING IS TO BE OF THE SAME EXISTING STRUCTURED CABLING SOLUTION USED IN BUILDING CHA10 AND BE PROVIDED WITH A MANUFACTURERS 15 YEAR WARRANTY.

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

- CAT 6 UTP OUTLETS.
- CAT 6 STP OUTLETS.
- CCTV CAT6 PLUGS.
- PA SYSTEM CAT6 PLUGS.
- COMMUNICATIONS RACK CR-1.
- FIBRE CABLE FROM CR-12.
- FIBOTS AND PATCH PANELS.
- TESTING AND COMMISSIONING.

THE COLLEGE IT WILL SUPPLY AND INSTALL THE CAMERAS, PA SPEAKERS, WAPS AND ALL ACTIVE EQUIPMENT.

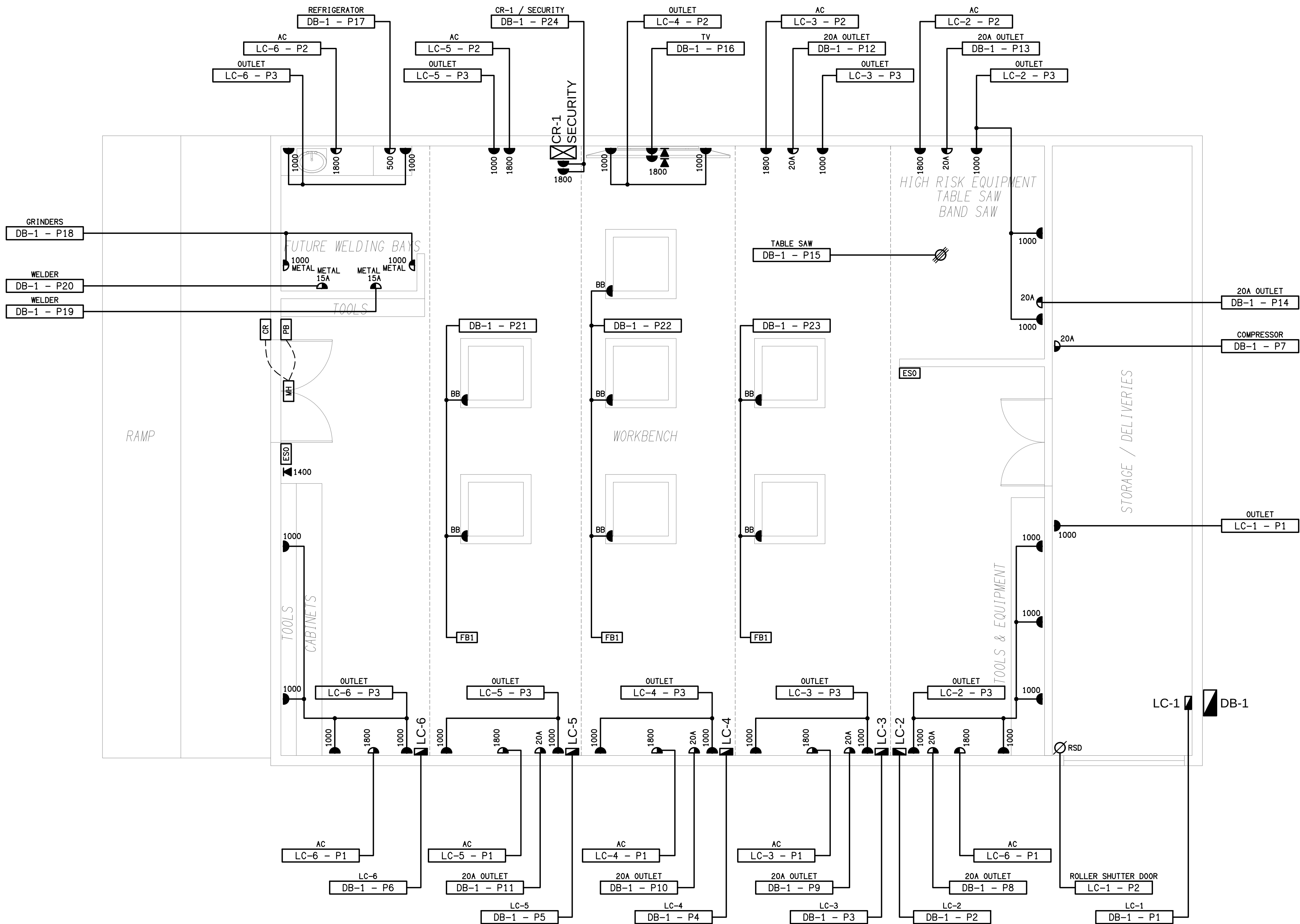
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- INTERFACE THE INTERNAL LIGHTING TO THE SECURITY SYSTEM SUCH THAT WHEN THE SECURITY SYSTEM IS ARMED THE INTERNAL LIGHTS ARE DISABLED / OFF.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.

NOTES

9. 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.
- DB - DISTRIBUTION BOARD.
- LC - LOAD CENTRE.
- MCB - MINIATURE CIRCUIT BREAKER.
- MCCB - MOUNDED CASE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- MSSB - MECHANICAL SERVICES SWITCHBOARD.
- NW - MICROWAVE.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- RCBO - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER.
- REF - REFRIGERATOR.
- SM - SURFACE MOUNTED.
- UNO - UNLESS NOTED OTHERWISE.
- WP - WEATHERPROOF TO IP56 UNO.
- 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

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		ELECTRICAL BUILDING SERVICES CONSULTANTS BRISBANE GOLD COAST				PROJECT NO: C3852a	
						DRAWING NO: E02	
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PROJECT:
**KINGS CHRISTIAN COLLEGE
CHAMBERS FLAT, IDT**

38-112 ANZAC AVENUE, CHAMBERS FLAT

A	PRELIMINARY	14/09/2026
REV:	DESCRIPTION:	DATE:

DRAWING:
**ELECTRICAL SERVICES
FLOOR PLAN**

SCALE:
1:50

AT A1

PROJECT NO:
C3852a

DRAWING NO:
E03

REVISION:
A

