



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

C3687a - FLEXIBLE LEARNING CENTRE, BOWEN

C3687a-0001(C).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION C - 02 JUNE 2026

ISSUING INFORMATION				DATE OF ISSUE								
	DAY	MONTH	YEAR	01	23	02						
				05	05	06						
				26	26	26						
				REASON FOR ISSUE			P	T	T			
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY			T = TENDER			

DISTRIBUTION				NUMBER OF COPIES							
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				E = EMAIL				F = FAX			

DOCUMENTS				REVISION							
C3687a-E01.dwg	LEGEND & SCHEMATICS			A	B						
C3687a-E02.dwg	NOTES			A	B						
C3687a-E03.dwg	FLOOR PLAN			A	B	C					
C3687a-E04.dwg	REFLECTED CEILING PLAN			A	B	C					
C3687a-0001.xls	CONTRACT DOCUMENT SCHEDULE			A	B	C					
C3687a-0002.xls	EQUIPMENT SCHEDULE				A	B					
C3687a-0004.xls	DISTRIBUTION BOARD DB-B SCHEDULE				A						
C3687a-0001.zip	FITTING & OUTLET DATASHEETS					A					



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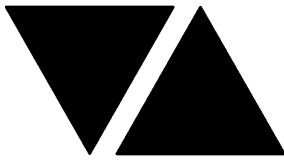
C3687a - FLEXIBLE LEARNING CENTRE, BOWEN

C3687a-0002(B).xls

ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 02 JUNE 2026

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	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	B
L2	34W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER AND PLASTER BOARD MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-34W PLUS MOUNTING KIT	B
L3	40W 4000K LED	1200 X 300 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A FLUSH RECESSED PLASTER BOARD KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 884501	A
L4	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR.	LIGHT GREY	GAMMA ILLUMINATION STORM 1558-CCT-36W	A
L5	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
L6	13W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-VWFL-4K-13W	B
L7	13W 4000K LED	WALL MOUNTED IP54 DOWN LIGHT C/W INTEGRAL DRIVER. CONFIRM THE MOUNTING HEIGHT WITH THE ARCHITECT	BLACK	GAMMA ILLUMINATION APPLIQUE 1356-4K-13W	B
L8	EXISTING CARPARK POLE LIGHT TO BE RETAINED AS IS. ENSURE THE EXISTING SUPPLY IS PROTECTED AND MAINTAINED DURING CONSTRUCTION.				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 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. LITHIUM ION BATTERY	WHITE	CLEVERTRONICS LSBLED	B
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 NOTES FOR FURTHER DETAILS OF THE CONFIGURATION AND SWITCHING OF EMERGENCY LIGHTS.			A
SWITCH PANEL SP1		LIGHTING SWITCH PANEL CONFIGURED AS PER THE LIGHTING CONTROL SCHEMATIC. MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES 30USM	A



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ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 02 JUNE 2026

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
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 30USM	A
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	A
F1		86 INCH CEILING FAN C/W WIRED OFF/ MULTI SPEED CONTROLLER	WHITE	HUNTER PACIFIC BIG FAN V2-DC TBF0861	A
F2		52 INCH CEILING FAN C/W WIRED OFF/ THREE SPEED CONTROLLER	WHITE	VENTAIR SPINIKA 11 AC SPIN1204WH	A
FC		FAN CONTROLLER MOUNTED AT 1000mm AFFL.	WHITE	NA	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
DRINK FOUNTAIN SINGLE POWER OUTLET (DF)		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT WITHIN THE DRINK FOUNTAIN REFRIGERATION EQUIPMENT ENCLOSURE AS PER AS3000	WHITE	CLIPSAL C2000 SERIES	A
AUTO TAP SINGLE POWER OUTLET (AT)		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT WITHIN THE CEILING SPACE AND PROVIDE A CONCEALED 32 DIA CONDUIT THROUGH THE WALL FROM THE CEILING SPACE TO A WALL BOX WITH A BLANK FACEPLATE BELOW THE HAND BASIN. CONNECT THE AUTO TAP POWER SUPPLY TO THE CEILING SPACE GPO AND RUN THE 12 VOLT CABLE THROUGH THE CONDUIT AND CONNECT IT TO THE TAP VIA AN APPROPRIATE GROMMIT ON THE FACE PLATE.	WHITE	CLIPSAL C2000 SERIES	A
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



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REVISION B - 02 JUNE 2026

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
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
SELECTOR SWITCH (A1)		PROVIDE A1 AS AN UP / DOWN SELECTOR SWITCH WALL MOUNTED AT 1500 AFFL CONNECTED TO THE A2 SHUTTER MOTOR VIA TWIN ACTIVES AS PER THE A1 A2 DETAIL. PROVIDE CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND	WHITE	CLIPSAL C2000 SERIES	A
MOTOR UNIT (A2)		A2 IS THE MOTORISED SHUTTER CONNECTION POINT CONNECTED TO A1. COORDINATE THE MOTOR CONNECTION ON SITE WITH THE SHUTTER SUPPLIER.			A
COMMUNICATIONS RACK CR-B		PROVIDE CR-B AS A 42 RU 800 DEEP RACK WITH CASTERS, FRONT AND REAR VERTICAL 19INCH MOUNTING RAILS. PROVIDE THE RACK WITH A 19 INCH MOUNTED 10 PORT POWER RAIL CONNECTED TO THE RACK GPO. 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-B 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
MSB		NEW MAIN SWITCHBOARD AS PER THE POWER SCHEMATIC AND NOTES. ARRANGE FOR THE RELOCATED / NEW METERING AND THE NEW ERGON SUPPLY TO BE CONNECTED. OBTAIN ERGON APPROVAL OF THE MSB SHOP DRAWINGS.			A
DB-A		EXISTING MSB TO BE RECONFIGURED AS DB-A. THE EXISTING CIRCUITS ARE TO REMAIN AND THE EXISTING OFF PEAK HOT WATER IS TO BE RESUPPLIED FROM DB-A. THE EXISTING ERGON CONNECTION, CONSUMERS MAINS, MEN LINK, METERING AND MSB LABELLING IS TO BE REMOVED AND DB-A RESUPPLIED FROM THE NEW MSB. MAKE GOOD THE EXISTING INSTALLATION IMPACTED BY THE REMOVAL OF THE EXISTING ERGON SUPPLY. UPDATE / PROVIDE NEW LABELLING.			A
DB-B		NEW DISTRIBUTION BOARD DB-B REFER TO THE NOTES AND DISTRIBUTION BOARD DB-B SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.			A
CONTACTOR		PROVIDE ALL CONTACTORS AS HEAVY DUTY MOTOR START TYPE.			A
RELAY		CONTROL RELAY.			A
PA SYSTEM SURFACE MOUNTED SPEAKER		15W RECESSED MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER MOUNTED INTO A SURFACE MOUNTED MOUNTING KIT CABLED BACK TO THE ASSOCIATED AMPLIFIER WITHIN THE COMMUNICATIONS RACK VIA 1.5MM MARKED FIG 8 CABLE.	WHITE	AUSTRALIAN MONITOR QF8CS PLUS SURFACE MOUNTING KIT	A



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DISTRIBUTION BOARD DB-B

REVISION A - 23 MAY 2026

							REV	
		FAULT CURRENT:	6KA			MAIN SWITCH:	160A NON AUTO	A
		CHASSIS SIZE:	96 POLES			SUPPLIED FROM:	LOAD BREAK	A
		CHASSIS RATING:	250A			SUPPLY CABLE:	ISOLATOR	A
		PHASES:	3				SITE MSB	A
							4C 70	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	A	
P1	1	20	RCBO	2.5	PLANT ROOM	CR-B	A	
P2	1	20	RCBO	2.5	PLANT ROOM	SECURITY	A	
P3	3	20	RCBO	2.5	MAINTENANCE	FUTURE RSD	A	
P4	1	20	RCBO	2.5	MAINTENANCE	GPO	A	
P5	1	20	RCBO	2.5	GLA 2	GPO	A	
P6	1	20	RCBO	2.5	AMENITY	3.6KW HWS	A	
P7	1	20	RCBO	2.5	GENERAL	GPO	A	
P8	1	20	RCBO	2.5	FLA 2	GPO	A	
P9	1	20	RCBO	2.5	FLA 1		A	
P10	1	20	RCBO	2.5	GLA 3		A	
P11	1	20	RCBO	4.0	EXTERNAL	COMMS CU	A	
P12	1	32	RCBO	4.0	EXTERNAL	CU 1	A	
P13	1	32	RCBO	4.0	EXTERNAL	CU 2	A	
P14	1	32	RCBO	4.0	EXTERNAL	CU 3	A	
P15	1	32	RCBO	4.0	EXTERNAL	CU 4	A	
P16	1	32	RCBO	4.0	EXTERNAL	CU 5	A	
P17	1	32	RCBO	4.0	EXTERNAL	CU 6	A	
P18	1	20	RCBO	2.5	GENERAL	OUTSIDE AIR FAN	A	
P19	1	20	RCBO TC ON 7.00AM OFF 10.00PM	2.5	AMENITY	TOILET EXHAUST	A	
P20	1	20	RCBO	2.5	LAUNDRY	WM	A	
P21	1	20	RCBO	2.5	LAUNDRY	DRYER	A	
P22	1	20	RCBO	2.5	LAUNDRY	GPO	A	
P23	3	20	RCBO	2.5	LAUNDRY	3X3.6KW HWS	A	
P24	3	20	RCBO	2.5	KITCHEN	EXHAUST FAN	A	
P25	1	20	RCBO	2.5	KITCHEN	REF	A	
P26	1	20	RCBO	2.5	KITCHEN	REF	A	
P27	3	20	RCBO	2.5	KITCHEN	11.7KW COMBIE	A	
P28	3	40	RCBO	6.0	KITCHEN	20KW COOK TOP	A	
P29	1	20	RCBO	2.5	KITCHEN	GPO	A	
P30	1	20	RCBO	2.5	KITCHEN	GPO	A	
P31	1	20	RCBO	2.5	KITCHEN	OUTSIDE AIR FAN	A	
P32	1	20	RCBO	2.5	KITCHEN	DISHWASHER	A	
P33	1	20	RCBO	2.5	KITCHEN	MW	A	
P34	1	20	RCBO	2.5	KITCHEN	AUTO BOILER	A	
P35	1	20	RCBO	2.5	KITCHEN	BAINE MARIE	A	
P36	1	20	RCBO	2.5	KITCHEN	BAINE MARIE	A	
P37	1	20	RCBO	2.5	COVERED AREA	DRINK FOUNTAIN	A	
							A	
							A	
							A	
							A	
							A	



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


























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DISTRIBUTION BOARD DB-B













REVISION A - 23 MAY 2026

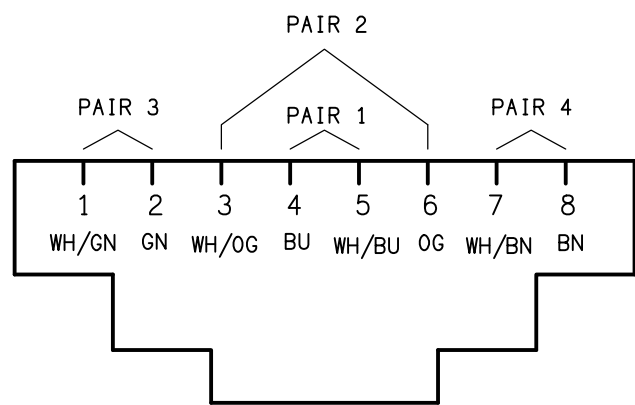
							REV
FAULT CURRENT:			6KA	MAIN SWITCH:			160A NON AUTO
CHASSIS SIZE:			96 POLES	SUPPLIED FROM:			LOAD BREAK
CHASSIS RATING:			250A	SUPPLY CABLE:			ISOLATOR
PHASES:			3				SITE MSB
							4C 70
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL 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	A
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	A
L2	1	20	RCBO	2.5	COVERED AREA	LIGHTS	A
L3	1	20	RCBO	2.5	KITCHEN	LIGHTS	A
L4	1	20	RCBO	2.5	MAINTENANCE	LIGHTS	A
L5	1	20	RCBO	2.5	AMENITY	LIGHTS	A
L6	1	20	RCBO	2.5	GLA 3	LIGHTS	A
L7	1	20	RCBO	2.5	COVERED AREA	FAN	A
L8	1	20	RCBO	2.5	FLA 1	LIGHTS	A
L9	1	20	RCBO	2.5	FLA 2	LIGHTS	A
L10	1	20	RCBO	2.5	GLA 2	LIGHTS	A
							A
							A
							A
							A
							A
							A

LEGEND

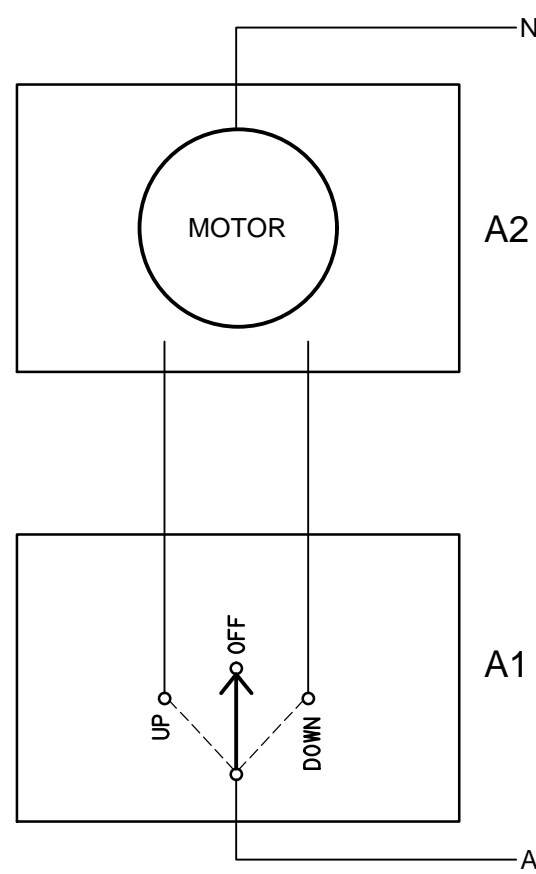
-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  DRINK FOUNTAIN POWER OUTLET WITHIN DRINK FOUNTAIN HOUSING.
-  SPECIAL PURPOSE POWER OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  CONDUIT ROUTE.
-  LIGHTING CONTROL SWITCH PANEL.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  FAN SPEED CONTROLLER (FSC).
-  PRESENCE DETECTOR.
-  LIGHTING CONTROL CHANNEL.
-  POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  COMMUNICATIONS RACK.
-  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.
-  PIZO SIREN.
-  RECESSED PUBLIC ADDRESS SPEAKER.
-  ROLLER SHUTTER SELECTOR SWITCH.
-  ROLLER SHUTTER MOTOR UNIT.

LEGEND

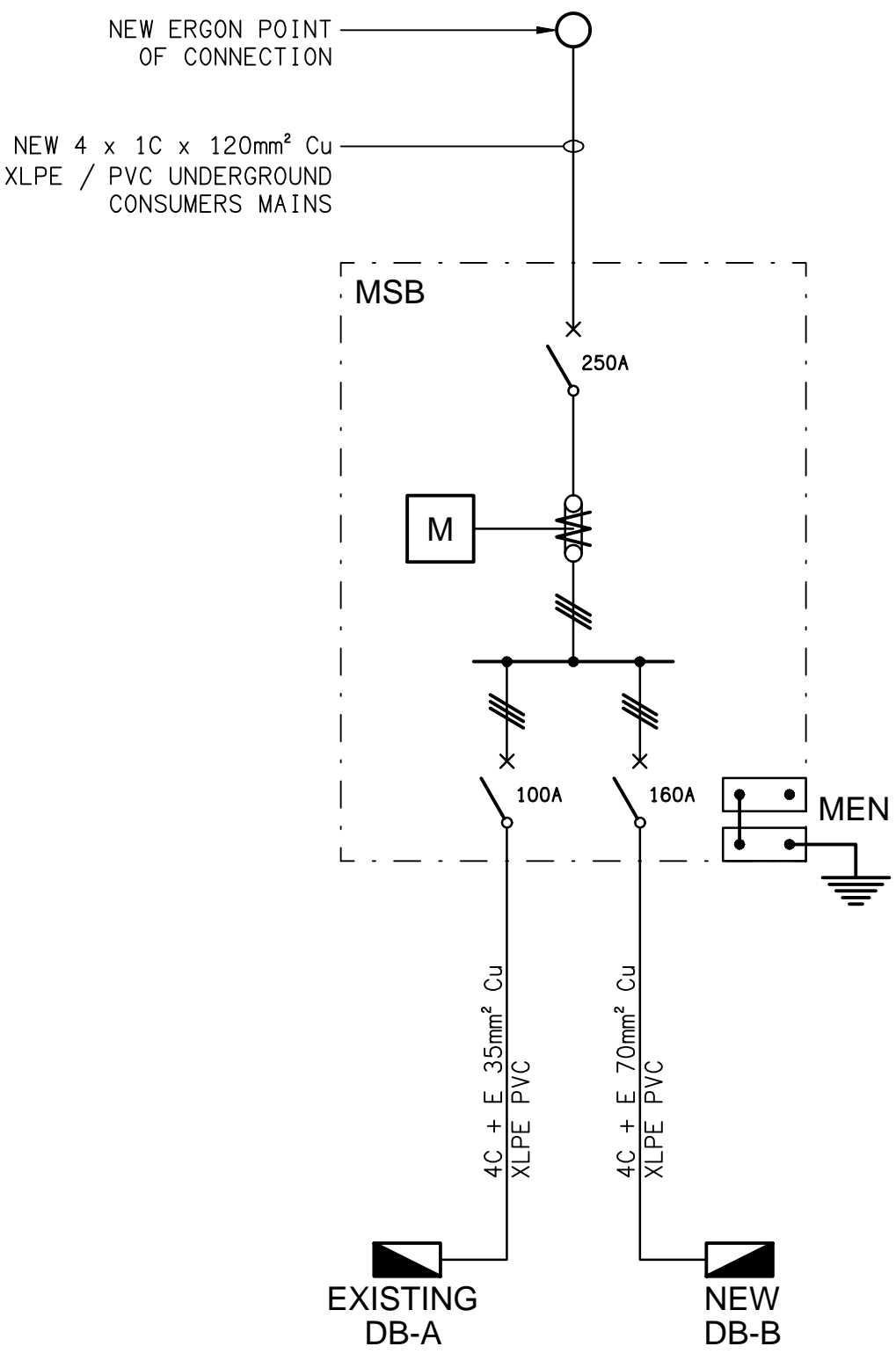
-  EX: EMERGENCY EXIT LIGHT.
-  E1: GENERAL EMERGENCY LIGHT.
-  Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
-  Fx: CEILING FAN, TYPE AS NOTED.
-  L1: 600 x 600 T-BAR LED PANEL LIGHT.
-  L2: 600 x 600 PLASTERBOARD LED FLAT PANEL C/W RECESS KIT.
-  L3: 300 x 1200 PLASTERBOARD LED FLAT PANEL C/W RECESS KIT.
-  L4: 1200 LONG IP65 LED BATTEN.
-  L5: 1200 LONG IP65 LED BATTEN C/W INTEGRAL SENSOR.
-  L6: RECESSED LED DOWNLIGHT.
-  L7: WALL MOUNTED LED BUNKER LIGHT.
-  L8: EXISTING CAR PARK POLE LIGHT TO BE RETAINED AS IS.



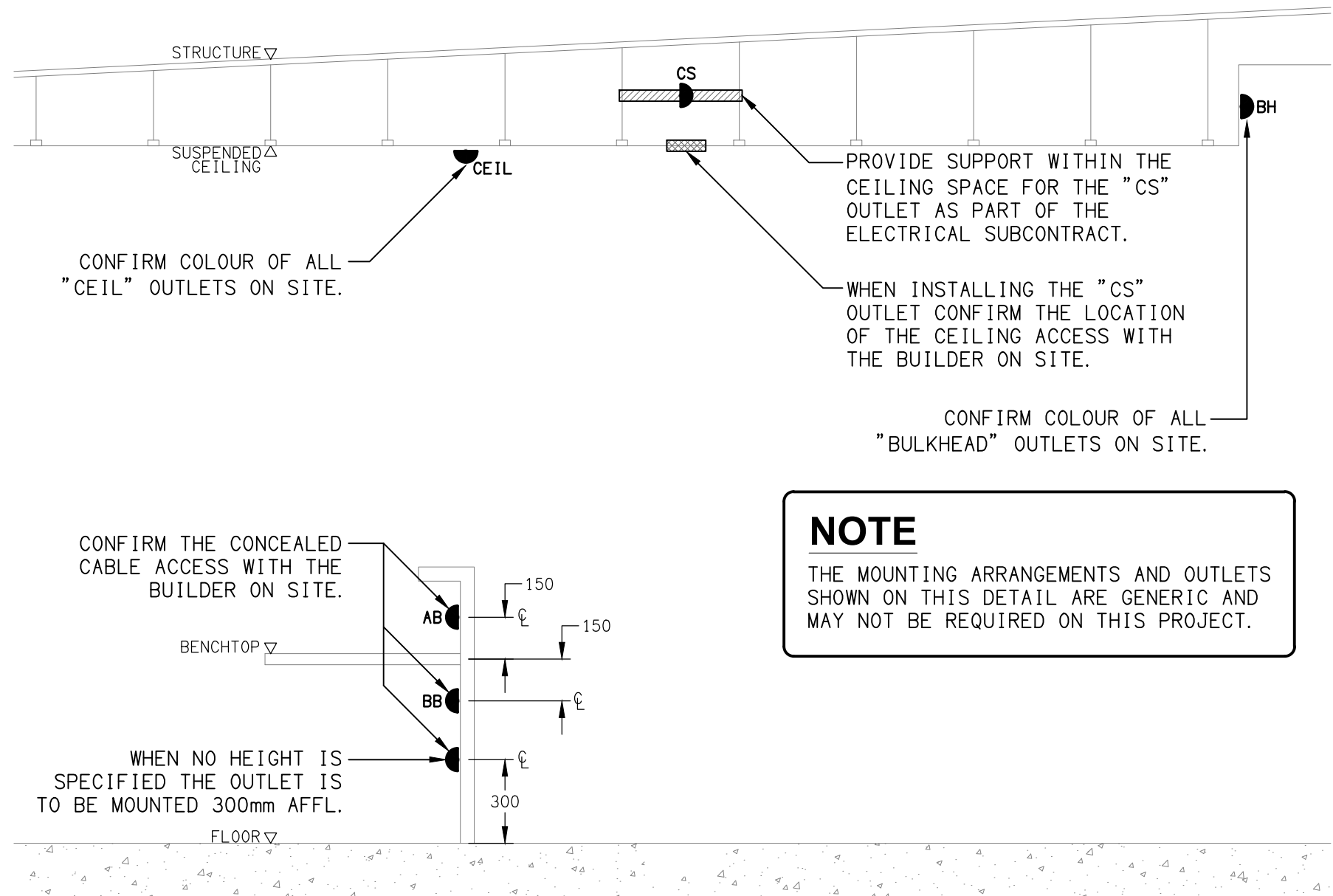
SCHEMATIC
RJ45 PINOUT CONFIGURATION
NOT TO SCALE



DETAIL
TYPICAL A1 & A2 FACEPLATES
NOT TO SCALE



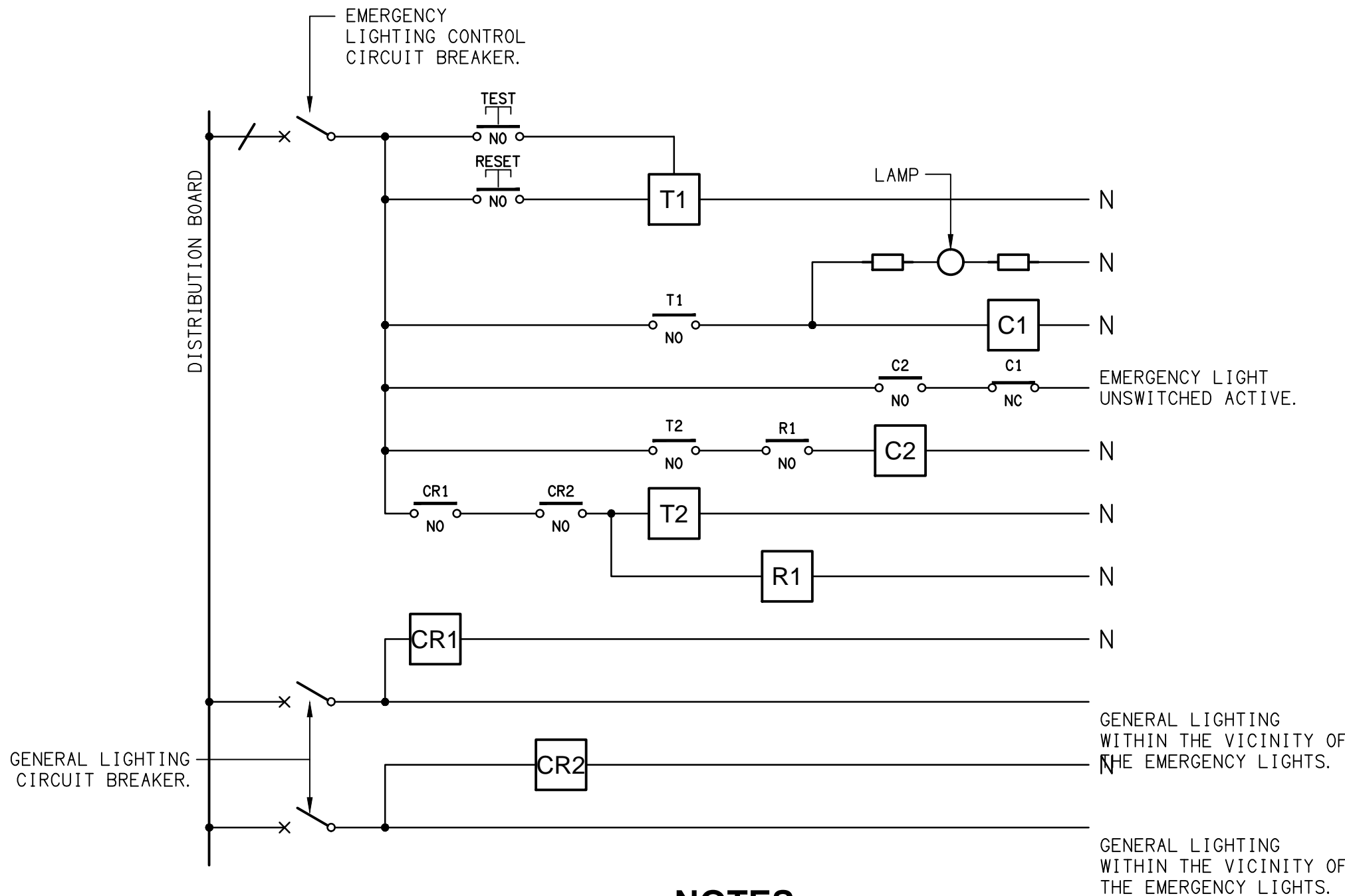
SCHEMATIC
MAIN SWITCHBOARD CONFIGURATION
NOT TO SCALE



DETAIL
TYPICAL OUTLET MOUNTINGS
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.
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
EMERGENCY LIGHTING
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.

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.
- PUBLIC ADDRESS.
- ACCESS CONTROL.
- CCTV SYSTEM.
- INTRUDER DETECTION 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 PROVIDING A NEW UNDERGROUND ERGON SUPPLY TO A NEW MAIN SWITCHBOARD. COORDINATE THE POINT OF ATTACHMENT WITH ERGON. THE EXISTING OVERHEAD AERIAL SERVICE IS TO BE REMOVED. THE EXISTING MEN LINK, ERGON METERS AND ASSOCIATE LABELLING IS TO BE REMOVED. RETURN THE EXISTING METERS TO THE METER RETAILER. ARRANGE WITH ERGON AND THE ELECTRICITY RETAILERS TO HAVE NEW RETAIL METERING PROVIDED IN THE NEW MSB.

PROVIDE NEW UNDERGROUND CONSUMERS MAINS TO THE NEW MAIN SWITCHBOARD AND NEW UNDERGROUND SUBMAINS TO THE EXISTING DISTRIBUTION BOARD DB-A. PROVIDE THE NEW BUILDING WITH A DISTRIBUTION BOARD DB-B TO SUPPLY ALL OF THE NEW CIRCUITS.

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- POWER DISTRIBUTION.
- EARTHING.
- UNDERGROUND CONSUMERS MAINS.
- MSB.
- REMOVAL OF THE EXISTING ERGON SUPPLY AND RETAIL METERS.
- SUB MAINS.
- DISTRIBUTION BOARD DB-B.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- CONNECT THE EXISTING OFF PEAK HWS IN THE EXISTING BUILDING TO DB-A ONCE THE EXISTING ERGON SERVICE HAS BEEN REMOVED.

PROVIDE THE SITE MAIN SWITCHBOARD (MSB) AS FOLLOWS:

- PLINTH MOUNTED MECHANICALLY FIXED TO THE WALL.
- NATIONAL ELECTRICITY MARKET (NEM) COMPLIANT RETAIL METERING.
- PROVIDE A COPY OF THE ERGON APPROVAL OF THE MSB.
- IP65
- THE DOORS, ENCLOSURE AND ESCUTCHEONS ARE TO BE ALUMINIUM.
- POWDER COATED LIGHT GREY ENCLOSURE AND DOORS WITH GLOSS WHITE ESCUTCHEONS.
- ENSURE THE MSB IS DESIGNED TO OPERATE IN AN AMBIENT TEMPERATURE OF 40 DEGREES.
- 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.
- SPACE FOR FOUR TWO PHASE 100 AMP CIRCUIT BREAKERS AND 24 SPARE DIN RAIL POLES FOR THE FUTURE CONNECTION SOLAR / BATTERIES AS PER J905 OF THE NCC BCA 2022. - PROVIDE SHOP DRAWINGS FOR APPROVAL.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.
- TWO 92268 KEYS AND TWO ERGON PADLOCK KEYS.
- ERGON PADLOCK ON THE METER PANEL.

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

PROVIDE THE DISTRIBUTION BOARD DB-B 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. 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 SUBSTITUTES.
- 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 WITH THE LAMP 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. 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.)

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

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES AN UNDERGROUND LC 6 CORE OM3 FIBRE CABLE FROM A NEW FOBOT MOUNTED IN THE EXISTING BUILDING COMMUNICATIONS RACK TO THE NEW COMMUNICATIONS RACK CR-B 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-B.

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A COMMUNICATIONS RACK CR-B 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-B.
- CABLE ACCESS TO THE MAIN BUILDING COMMUNICATION RACK.
- A FOBOT AS REQUIRED IN THE MAIN BUILDING COMMUNICATION RACK.
- OPTICAL FIBRE CABLE CONNECTING THE EXISTING BUILDING COMMUNICATION RACK FOBOT TO CR-B.
- NEW CAT 6 COMMUNICATIONS OUTLETS.
- TESTING AND COMMISSIONING.
- 2 X 50DIA UNDERGROUND COMMUNICATIONS CONDUITS CONNECTING THE EXISTING BUILDING COMMUNICATIONS RACK TO THE NEW COMMUNICATIONS RACK CR-B.

9. PUBLIC ADDRESS SYSTEM

THE PUBLIC ADDRESS SYSTEM COMPONENT OF THIS CONTRACT INCLUDES MULTI TAP 100V SPEAKERS AND HORNS CABLED TO AN AUSTRALIAN MONITOR HS250P POWER AMPLIFIERS MOUNTED WITHIN THE TOP OF COMMUNICATIONS RACK CR-B. PRIOR TO PRACTICAL COMPLETION, PROVIDE A TEMPORARY MUSIC SOURCE TO AIM / BALANCE THE SPEAKERS AND HORNS ON SITE AS DIRECTED BY THE COLLEGE.

THE PUBLIC ADDRESS SYSTEM COMPONENT OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- SPEAKERS AND HORNS.
- RACK MOUNTED AMPLIFIER.
- CO-ORDINATION.
- TESTING, COMMISSIONING AND BALANCING.
- MAINTENANCE.
- AS CONSTRUCTED DOCUMENTS INCLUDING DRAWINGS DETAILING THE LOOP PATH OF EACH SPEAKER CABLE.
- OPERATION AND MAINTENANCE MANUAL.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE PUBLIC ADDRESS SYSTEM INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

ALL PUBLIC ADDRESS SYSTEM WORKS MUST BE UNDERTAKEN BY AN ACMA LICENCE HOLDER. THE AUDIO / IP CONVERTERS, THE CONNECTION OF THE AMPLIFIERS TO THE AUDIO / IP CONVERTERS AND PATCH LEADS WILL BE PROVIDED BY THE SCHOOL.

10. ACCESS CONTROL

THE ACCESS CONTROL IS TO BE ALLOWED FOR IN TENDER DOCUMENTS AS A PC SUM. REFER TO THE HEAD CONTRACT DOCUMENTS FOR DETAILS OF THE ACCESS CONTROL PC SUM REQUIREMENTS.

11. CCTV SYSTEM

THE CCTV SYSTEM IS TO BE ALLOWED FOR IN TENDER DOCUMENTS AS A PC SUM. REFER TO THE HEAD CONTRACT DOCUMENTS FOR DETAILS OF THE CCTV SYSTEM PC SUM REQUIREMENTS.

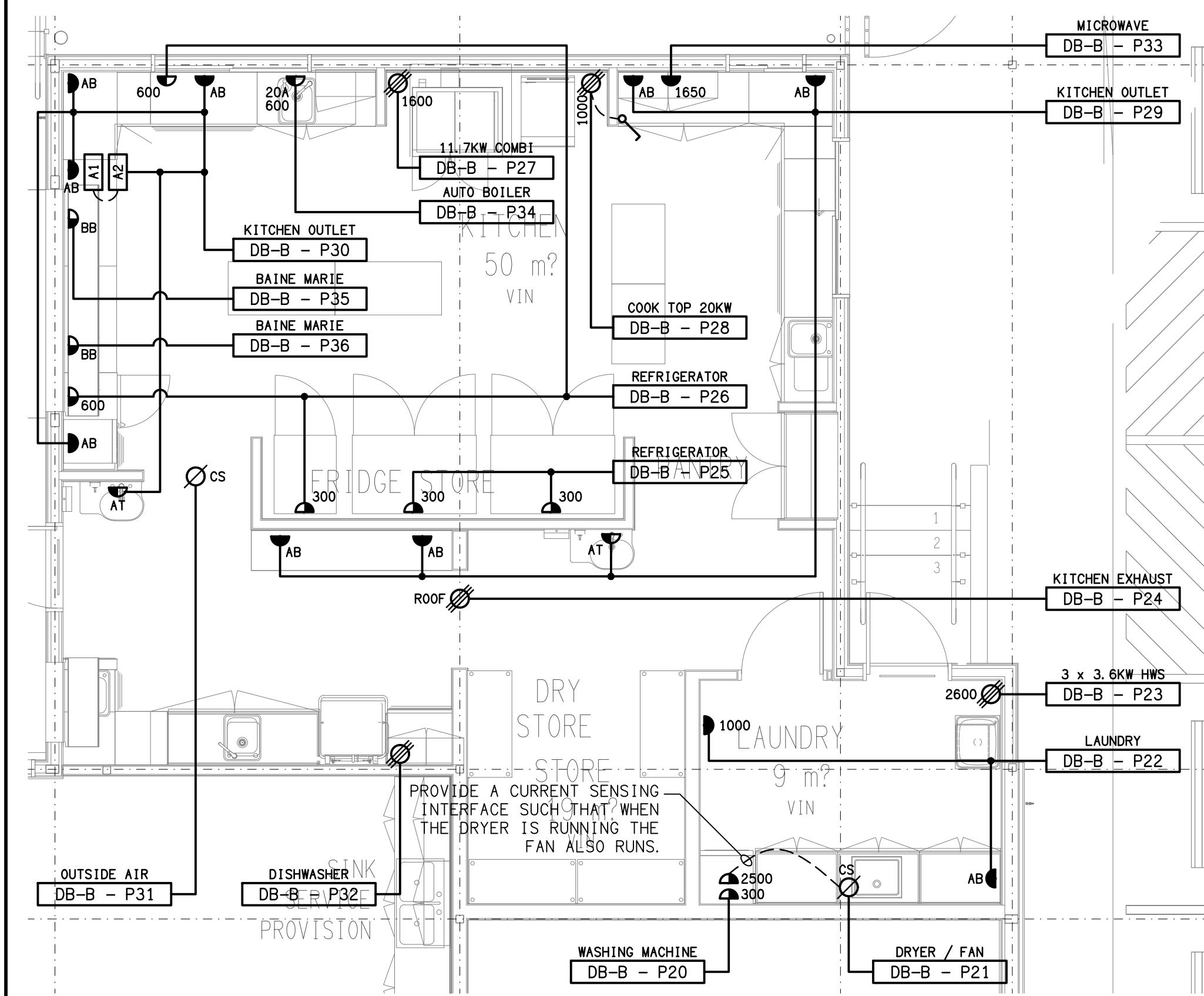
12. INTRUDER DETECTION

THE INTRUDER DETECTION SYSTEM IS TO BE ALLOWED FOR IN TENDER DOCUMENTS AS A PC SUM. REFER TO THE HEAD CONTRACT DOCUMENTS FOR DETAILS OF THE INTRUDER DETECTION SYSTEM PC SUM REQUIREMENTS.

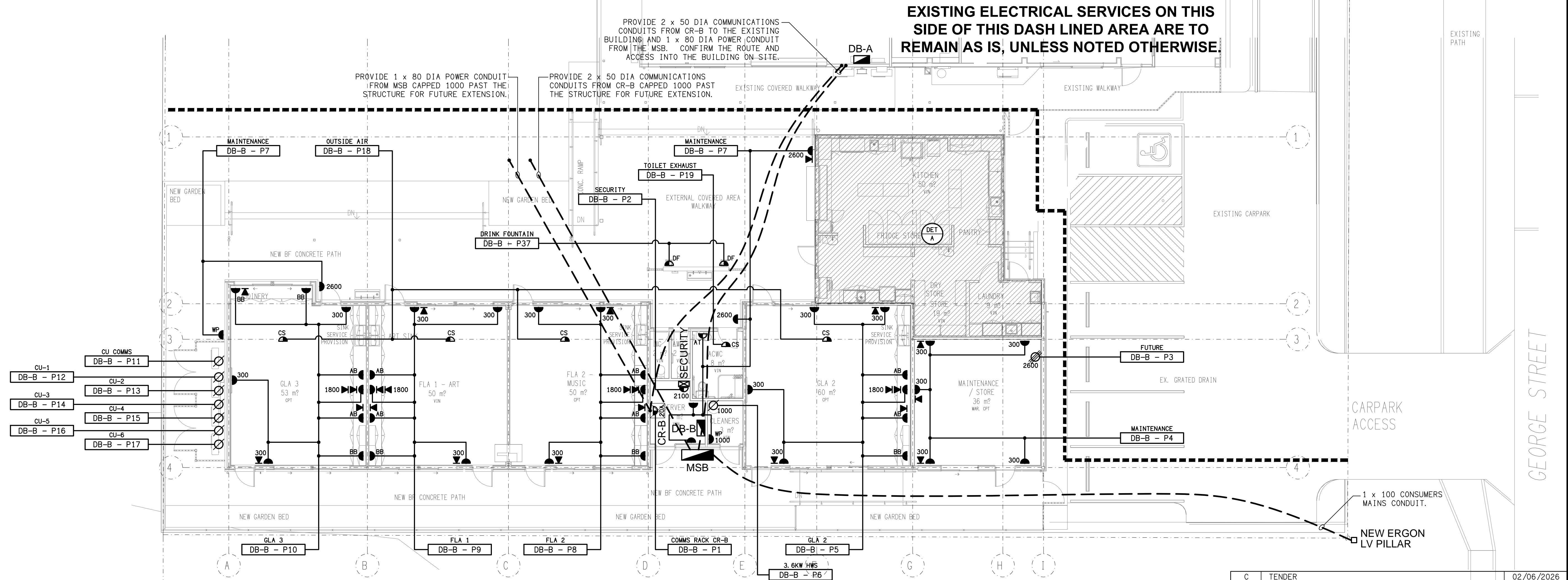
13. ABBREVIATIONS

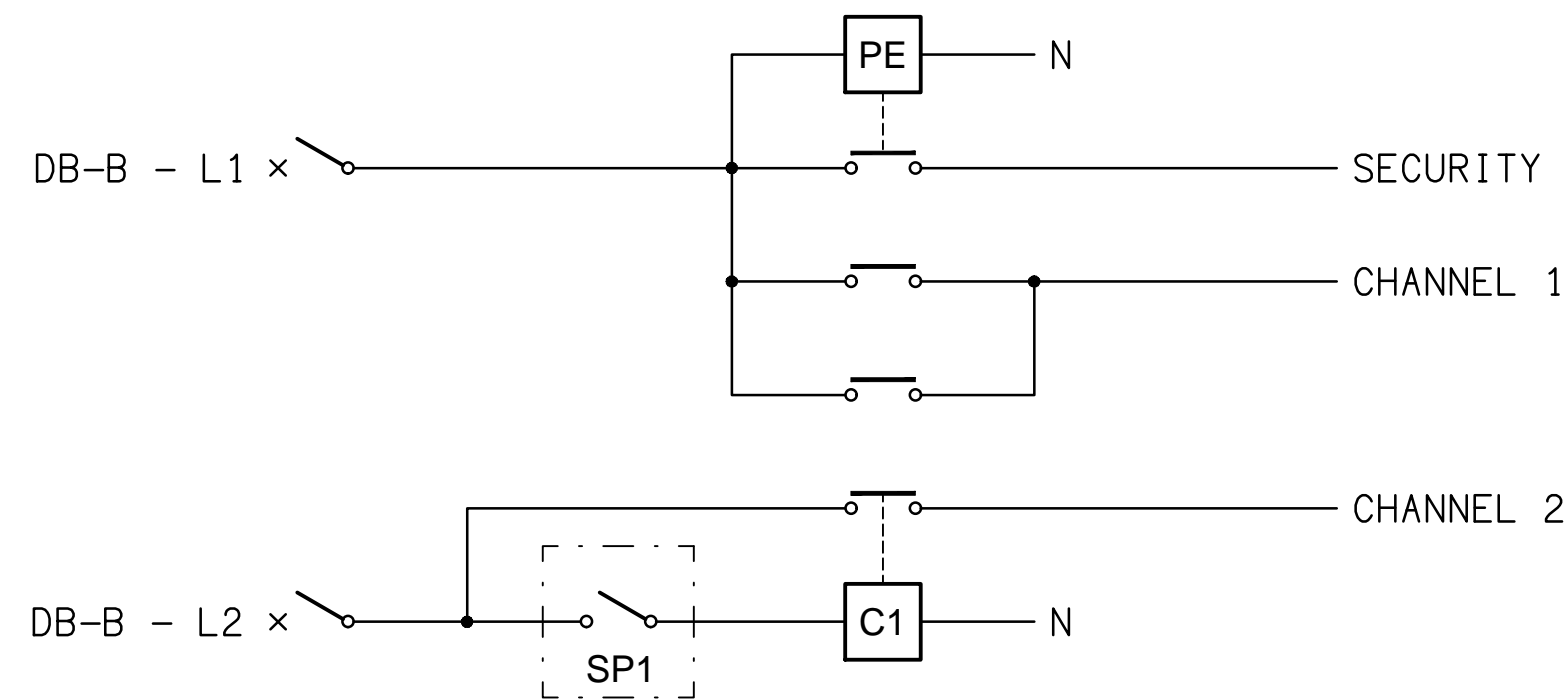
A - AMP CURRENT RATING
AB - MOUNT ABOVE BENCH.
AFL - ABOVE FINISHED FLOOR LEVEL.
BB - MOUNT BELOW BENCH.
BH - MOUNT ON BULKHEAD.
CEIL - MOUNT ON CEILING.
CS - MOUNT WITHIN CEILING SPACE.
C/W - COMPLETE WITH.
MCB - MINIATURE CIRCUIT BREAKER.
MSB - MAIN SWITCHBOARD.
N - NEON / LED INDICATOR WHEN ON.
NTS - 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 AFL.

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, BOWEN		B TENDER 23/05/2026	
TRADING AS: ELECTRICAL DESIGN GROUP		USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.		BRISBANE GOLD COAST		REV: DESCRIPTION: DATE:	
ALL DIMENSIONS TO BE VERIFIED ONSITE.		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	
				48 GEORGE STREET, BOWEN, QUEENSLAND		PROJECT NO: C3687a	
						DRAWING NO: E02	
						REVISION: B	



DETAIL A
KITCHEN & LAUNDRY PLAN
SCALE 1:50





SCHEMATIC
LIGHTING CONTROL
NOT TO SCALE

NOTE:
EACH CLASSROOM F2 CEILING FAN IS TO HAVE THEIR OWN CEILING FAN CONTROLLER AND BE LOCALLY SWITCHED WITHIN THE CLASSROOM.

