



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3857a - ACGS - CAMPBELL CENTRE REFURBISHMENT

C3857a-0001(T1).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION T1 - 06 OCTOBER 2026

ISSUING INFORMATION				DATE OF ISSUE							
	DAY	06									
	MONTH	10									
	YEAR	26									
	REASON FOR ISSUE	T									
A = APPROVAL C = CONSTRUCTION N = COORDINATION P = PRELIMINARY T = TENDER											

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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	26W 4000K	600 x 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING TBAR	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-26W	T1
L2	26W 4000K	600 x 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A FLUSH RECESSED PB MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-26W C/W FLUSH RECESS PB KIT	T1
L3	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR	LIGHT GREY	GAMMA STORM 1558-CCT-36W	T1
L4	14.4W/M 4000K LED	LED STRIP WITHIN A SCREW FIXED EXTRUSION C/W DIFFUSER MOUNTED WITHIN THE JOINERY RECESS AS PER THE ARCHITECTURAL DETAIL TO ILLUMINATE DOWNWARDS. PROVIDE THE STRIP WITH A REMOTE POWER SUPPLY LOCATED IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	NATURAL	RAPID LED R2334 4000 K PLUS ALUMINIUM EXTRUSION OPAL DIFFUSER AND POWER SUPPLY	T1
L5	13W 4000K LED	RECESSED 41 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE	GAMMA ILLUMINATION COBALT 1402-4K-13W	T1
L6	22W 4000K LED	RECESSED 41 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE	GAMMA ILLUMINATION COBALT 1402-4K-22W	T1
L7	28W 4000K LED	RECESSED 41 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE	GAMMA ILLUMINATION COBALT 1442-4K-28W	T1
L8	EXISTING HIGH BAY LIGHTS TO BE RECONNECTED AS INDICATED				T1
L9	23W 4000K LED	REPLACE THE EXISTING POLE AND FITTING WITH A NEW AREA LIGHT MOUNTED ON A 4m HIGH ROUND BLACK POLE PROVIDE A SHOP DRAWING OF THE POLE AND FOOTING FOR APPROVAL AND CERTIFICATION BY A STRUCTURAL ENGINEER OF THE POLE AND FOOTING.	BLACK FITTING AND POLE	PIERLITE DISANO STELVIO MINI 3278 Fx T3 16 Leds, 530 mA	T1
L10	23W 4000K LED	WALL MOUNTED AREA LIGHT	BLACK FITTING	PIERLITE DISANO STELVIO MINI 3278 Fx T3 16 Leds, 530 mA	T1

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L11	23W 4000K LED	REPLACE THE EXISTING WALL MOUNTED AREA LIGHT	BLACK FITTING	PIERLITE DISANO STELVIO MINI 3278 Fx T3 16 Leds, 530 mA	T1
L12	52W 4000K LED	WALL MOUNTED AREA LIGHT	BLACK FITTING	PIERLITE DISANO STELVIO 330370-00	T1
L13	EXISTING LED BUNKER LIGHT TO BE RETAINED.				T1
L14	NEW LED BUNKER LIGHT TO MATCH THE EXISTING L13 FITTING.				T1
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS LLIFE	T1
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. AS2293 CLASSIFICATION C0- D6.3- C90-E3.2.	WHITE	CLEVERTRONICS LSBLEED	T1
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.			T1
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 ICONIC SERIES	T1
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 ICONIC SERIES	T1
SWITCH PANEL 1 SP1		MULTIPLE MULTI GANG LIGHT SWITCH PANELS CONFIGURED AS PER THE SP1 SCHEMATIC. MOUNT AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL ICONIC SERIES	T1
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	T1



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
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 ICONIC SERIES	T1
SUSPENDED SINGLE POWER OUTLET		SUSPENDED SINGLE 10 POWER OUTLET. PROVIDE A 3MM STAINLESS STEEL WIRE SUPPORT AND CONFIRM THE SUSPENSION HEIGHT WITH THE SCHOOL ON SITE.	GREY	CLIPSAL SS15-GY	T1
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 ICONIC SERIES	T1
DOUBLE POWER OUTLET (USB)		DOUBLE POWER OUTLET C/W USB CHARGER AND CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE UNLESS NOTED AS BLACK (BK)	CLIPSAL ICONIC SERIES PLUS 40E2USBACM-VW	T1
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	T1
IP56 WEATHERPROOF POWER OUTLET (WP)		IP56 WEATHERPROOF SINGLE / DOUBLE POWER OUTLET AS NOTED ON DRAWING. MOUNT AT MINIMUM 1100mm AFFL U.N.O. RATING 10A U.N.O.	-	CLIPSAL "56 SERIES"	T1
BLACK FITTING (BK)		FITTING / OUTLET NOTED AS BK IS TO BE PROVIDED AS BLACK IN COLOUR OR PAINTED BLACK.	BLACK	-	T1
SPECIAL PURPOSE POWER OUTLET		SPECIAL PURPOSE POWER OUTLET. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O. SIZE AND TYPE AS NOTED	-	-	T1
HAND DRYER CONNECTION (HD)		THE ELECTRICAL SUB CONTRACTOR IS TO TAKE POSSESSION OF THE HAND DRYER AND INSTALL IT WITH 20A ISOLATING SWITCH WALL MOUNTED CONNECTED TO THE HAND DRYER UNIT AS PER DETAIL. PROVIDE CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND	WHITE	CLIPSAL ICONIC SERIES	T1
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	T1
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	T1
MOTORISED LOUVER (ML)		EXISTING MOTORISED LOUVER AND ASSOCIATED CONTROLS TO BE RETAINED			T1
CEILING FAN (FL1)		EXISTING CEILING FAN AND ASSOCIATED CONTROLS TO BE RETAINED			T1

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MSB-P		EXISTING MAIN SWITCHBOARD TO BE MODIFIED AS PER THE POWER SCHEMATIC AND ASSOCIATED NOTES.			T1
MDB-C		EXISTING DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-C		EXISTING DISTRIBUTION BOARD DB-C TO BE MODIFIED AS NECESSARY TO ACCOMMODATE THE CHANGES AND ADDITIONAL AS PER THE NOTES AND THE DISTRIBUTION BOARD DB-C SCHEDULE.			T1
DB-D		EXISTING DISTRIBUTION BOARD TO REMAIN AS IS.			T1
MSSB		NEW MSSB PROVIDED AS PART OF THE MECHANICAL SERVICES SUB CONTRACT. COORDINATE THE CONNECTION OF THE SUBMAIN TO THE MSSB AND THE LOCATION OF THE COMMUNICATIONS OUTLETS WITHIN THE MSSB WITH THE MECHANICAL SERVICES SUB CONTRACTOR.			T1
COMMUNICATIONS RACK CR-C		EXISTING CAMPBELL CENTRE COMMUNICATIONS RACK TO BE RELOCATED AS PER THE NOTES.			T1
COMMUNICATIONS RACK CR-A		EXISTING JUNIOR SCHOOL ADMINISTRATION COMMUNICATIONS RACK TO REMAIN AS IS			T1
COMMUNICATIONS RACK CR-D		EXISTING COMMUNICATIONS RACK TO REMAIN AS IS.			T1
COMMUNICATIONS RACK CR-G		EXISTING COMMUNICATIONS RACK TO REMAIN AS IS.			T1
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-C 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 AT 300 AFFL U.N.O	WHITE UNLESS NOTED AS BLACK (BK)	CLIPSAL ICONIC SERIES	T1
PLUG		CEILING MOUNTED UNLESS NOTED OTHERWISE RJ45 CAT-6 COMMUNICATIONS PLUG FOR VAPE SENSOR / CCTV CAMERA, CABLED BACK THE CAT 6 PATCH PANEL IN CR-C VIA PURPLE 4-PAIR CAT-6 UTP CABLE. PROVIDE THE PLUG SUCH THAT IT PROTRUDES OUT 150MM FROM A FLUSH CONDUIT TO ALLOW THE SENSOR / CAMERA TO BE INSTALLED OVER THE CONDUIT WITH THE PLUG DIRECTLY CONNECTED INTO THE CONCEALED REAR OF THE DEVICE.			T1
EXISTING FIBRE TERMINATION PILLAR		EXISTING FIBRE TERMINATION PILLAR TO REMAIN AS IS.			T1



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BATTERY CLOCK		BATTERY POWERED WALL CLOCK MOUNTED AT 2400mm AFFL C/W THREE-COLOUR SCREEN PRINTED SCHOOL LOGO. THE CONTRACTOR AGREES TO A CREDIT VARIATION OF \$500.00 FOR ANY CLOCK SUPPLIED WITH THE QUEENSLAND GOVERNMENT LOGO	WHITE	ADINA 3039	T1
DDC PANEL		WITHIN ONE WEEK OF BEING AWARDED THE CONTRACT UNDERTAKE AN INVESTIGATION INTO THE PURPOSE OF THE EXISTING DDC PANEL AND PROVIDE WRITTEN REPORT ON ITS USE.			T1
ACCESS CONTROL CARD READER (CR)		WALL-MOUNTED 1000AFFL VANDAL-RESISTANT ACCESS CONTROL SYSTEM HEAVY-DUTY PROXIMITY CARD READER PROVIDE DOOR READERS AND POWER SUPPLIES AS REQUIRED ALL EXISTING CARD READERS ARE TO BE REPLACED UNLESS NOTED OTHERWISE. ALL CABLING AND CONDUITS ASSOCIATED WITH THE CARD READER IS TO BE CONCEALED.			T1
ACCESS CONTROL DOOR ELECTRIC STRIKE 1 (ES1)		PROVIDE THE DOOR WITH ACCESS CONTROL UTILISING A FLUSH MOUNTED ELECTRIC DOOR STRIKE PLATE. CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. EACH ELECTRIC STRIKE DOOR IS TO BE PROVIDED WITH DOOR STATUS REPORTING (DOOR OPEN / DOOR CLOSED) REED SWITCH. ALL CABLING AND CONDUITS ASSOCIATED WITH THE ELECTRIC STRIKE IS TO BE CONCEALED.			T1
SECURITY EQUIPMENT		RELOCATE THE EXISTING SECURITY PANEL / EXPANDERS AND ACCESS CONTROL CONTROLLER AND ASSOCIATED POWER SUPPLIES. 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. PROVIDE ADDITIONAL SECURITY PANEL / EXPANDERS AND ACCESS CONTROL CONTROLLERS WITH ALL NECESSARY POWER SUPPLIES AS REQUIRED.			T1
INTRUDER DETECTOR SENSOR		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 TO THE SATISFACTION OF THE CLUB. SUBMIT DETAILS OF THE DETECTORS INCLUDING THE MOUNTING ARRANGEMENTS FOR APPROVAL PRIOR TO ORDERING.			T1
SECURITY PIEZO		FLUSH RECESSED SECURITY SYSTEM PIEZO SIREN	WHITE	Hills WP05	T1
PA SYSTEM RECESSED SPEAKER		15W CEILING RECESSED MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER CABLED BACK IN STAR CONFIGURATION TO AN AMPLIFIER WITHIN THE ASSOCIATED COMMUNICATIONS RACK VIA 1.5MM MARKED FIG 8 CABLE.	WHITE UNLESS NOTED AS BLACK (BK)	AUSTRALIAN MONITOR QF8CS	T1
PA SYSTEM SURFACE MOUNTED SPEAKER		5W SURFACE MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER CABLED BACK IN STAR CONFIGURATION TO AN AMPLIFIER WITHIN THE ASSOCIATED COMMUNICATIONS RACK VIA 1.5MM MARKED FIG 8 CABLE.	WHITE UNLESS NOTED AS BLACK (BK)	AUSTRALIAN MONITOR ATC5404	T1



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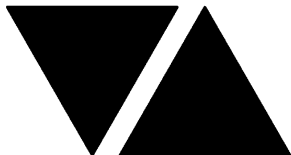
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PA SYSTEM HORN		30W SURFACE MOUNTED ADJUSTABLE IP66 MULTI TAP 100V 8 OHM PUBLIC ADDRESS HORN SPEAKER CABLED BACK IN STAR CONFIGURATION TO AN AMPLIFIER WITHIN THE ASSOCIATED COMMUNICATIONS RACK VIA 1.5MM MARKED FIG 8 CABLE.	WHITE UNLESS NOTED AS BLACK (BK)	AUSTRALIAN MONITOR SH30	T1
FIRE INDICATOR PANEL (FIP)		EXISTING FIRE INDICATOR PANEL TO BE REPLACED WITH AN AS 1670 COMPLAINT FIRE INDICATOR PANEL INCORPORATING THE EWCIE AND FDCIE THE FIP IS TO BE THE SAME BRAND AS THAT USED IN THE EXISTING CENTENARY BUILDING. NETWORK THE NEW FIP INTO THE SCHOOLS EXISTING BRIGADE MONITORED FIRE ALARM SYSTEM VIA THE EXISTING FIBRE CABLE FROM CR-C.			T1
FIRE ALARM VISUAL ALARM DEVICE		WALL MOUNTED FIRE ALARM VISUAL ALARM STROBE LIGHT AS PER AS1670.1			T1
SMOKE DETECTOR		SURFACE MOUNTED AS7240.7 POINT SMOKE DETECTORS WITH A PERFORMANCE OF 6 TO 12 % OBS/M SET AT 7.8 %. WHITE UNLESS NOTED AS BLACK (BK) CAGE DEMOTES THE DETECTOR IS TO BE PROVIDED WITH A GALVANIZED STEEL CAGE TO PROTECT THE DETECTOR FROM IMPACTS FROM BASKET BALLS.			T1
THERMAL DETECTOR		SURFACE MOUNTED AS7240.5:2018 TYPE B SEALED FIXED TEMPERATURE ADDRESSABLE THERMAL DETECTOR. WHITE UNLESS NOTED AS BLACK (BK)			T1
FIRE EVACUATION HORN		SURFACE MOUNTED TWO-TONE 30W ALERT AND EVACUATION HORN SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER. MOUNT AT HIGH LEVEL.			T1
FIRE EVACUATION RECESSED SPEAKER		RECESSED 5W TWO-TONE 8-INCH CONE ALERT AND EVACUATION SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE PAINTED OUT TO MATCH THE CEILING.			T1
FIRE EVACUATION SURFACE SPEAKER		SURFACE MOUNT 5W TWO-TONE 8-INCH CONE ALERT AND EVACUATION SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER AND GRILLE PAINTED OUT TO MATCH THE CEILING.			T1



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DISTRIBUTION BOARD DB-C

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							REV
PROVIDE THE EXISTING DISTRIBUTION BOARD WITH THE FOLLOWING SWITCHGEAR. REMOVE ANY SWITCHGEAR MADE REDUNDANT BY THE WORKS AND UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. IT IS ACCEPTABLE TO UTILISE THE EXISTING SWITCHGEAR THAT BECOMES SPARE IF IT IS IN ACCEPTABLE CONDITION AND HAS THE APPROPRIATE RATING AND FUNCTION. UPDATE THE EMERGENCY LIGHT CIRCUIT LABELS AND CIRCUIT SCHEDULE AT PRACTICAL COMPLETION.							T1
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	T1
P1	3	63	MCB	4C+E 25	EXTERNAL	MSSB	T1
P2	1	20	RCBO	2.5	BASEMENT	HD	T1
P3	3	20	RCBO	2.5	BASEMENT	HD	T1
P4	1	20	RCBO	2.5	BASEMENT	HD	T1
P5	1	20	RCBO	2.5	BASEMENT	MAINTENANCE	T1
P6	1	20	RCBO	2.5	GROUND	AUTO BOILER	T1
P7	1	20	RCBO	2.5	GROUND	KITCHEN	T1
P8	1	20	RCBO	2.5	GROUND	REF	T1
P9	1	20	RCBO	2.5	GROUND	STAFF	T1
P10	1	20	RCBO	2.5	GROUND	FLA 2	T1
P11	1	20	RCBO	2.5	GROUND	CLEANING	T1
P12	1	20	RCBO	2.5	GROUND	FLA 3	T1
P13	1	20	RCBO	2.5	GROUND	CLEANING	T1
P14	1	20	RCBO	2.5	MEZZANINE	PRACTICE	T1
P15	1	20	RCBO	2.5	MEZZANINE	PRACTICE	T1
P16	1	20	RCBO	2.5	MEZZANINE	PRACTICE	T1
P17	1	20	RCBO	2.5	MEZZANINE	CLEANING	T1
							T1
L1	1	20	RCBO PE ON DUSK OFF DAWN	2.5	SECURITY	LIGHTS	T1
L2	1	20	RCBO	2.5	BASEMENT	PLANT LIGHTS	T1
L3	1	20	RCBO	2.5	SECURITY	AMENITY LIGHTS	T1
L4	1	20	RCBON CH 1	2.5	AMENITY	LIGHTS	T1
L5	1	20	RCBON CH 2	2.5	BASEMENT	LIGHTS	T1
L6	1	20	RCBON CH 3	2.5	BASEMENT	LIGHTS	T1
L7	1	20	RCBON CH 4	2.5	STAIR	LIGHTS	T1
L8	1	20	RCBON CH 5	2.5	STAIR	LIGHTS	T1
L9	1	20	RCBO	2.5	GROUND	LIGHTS	T1
L10	1	20	RCBO	2.5	MEZZANINE	LIGHTS	T1
L11	1	20	RCBO CH 6	2.5	MEZZANINE	LIGHTS	T1
L12	1	20	RCBO CH 7	2.5	HALL	LIGHTS	T1
L13	1	20	RCBO CH 8	2.5	HALL	LIGHTS	T1
L14	1	20	RCBO CH 9	2.5	HALL	LIGHTS	T1
L15	1	20	RCBO CH 10	2.5	HALL	LIGHTS	T1
							T1
							T1

LEGEND

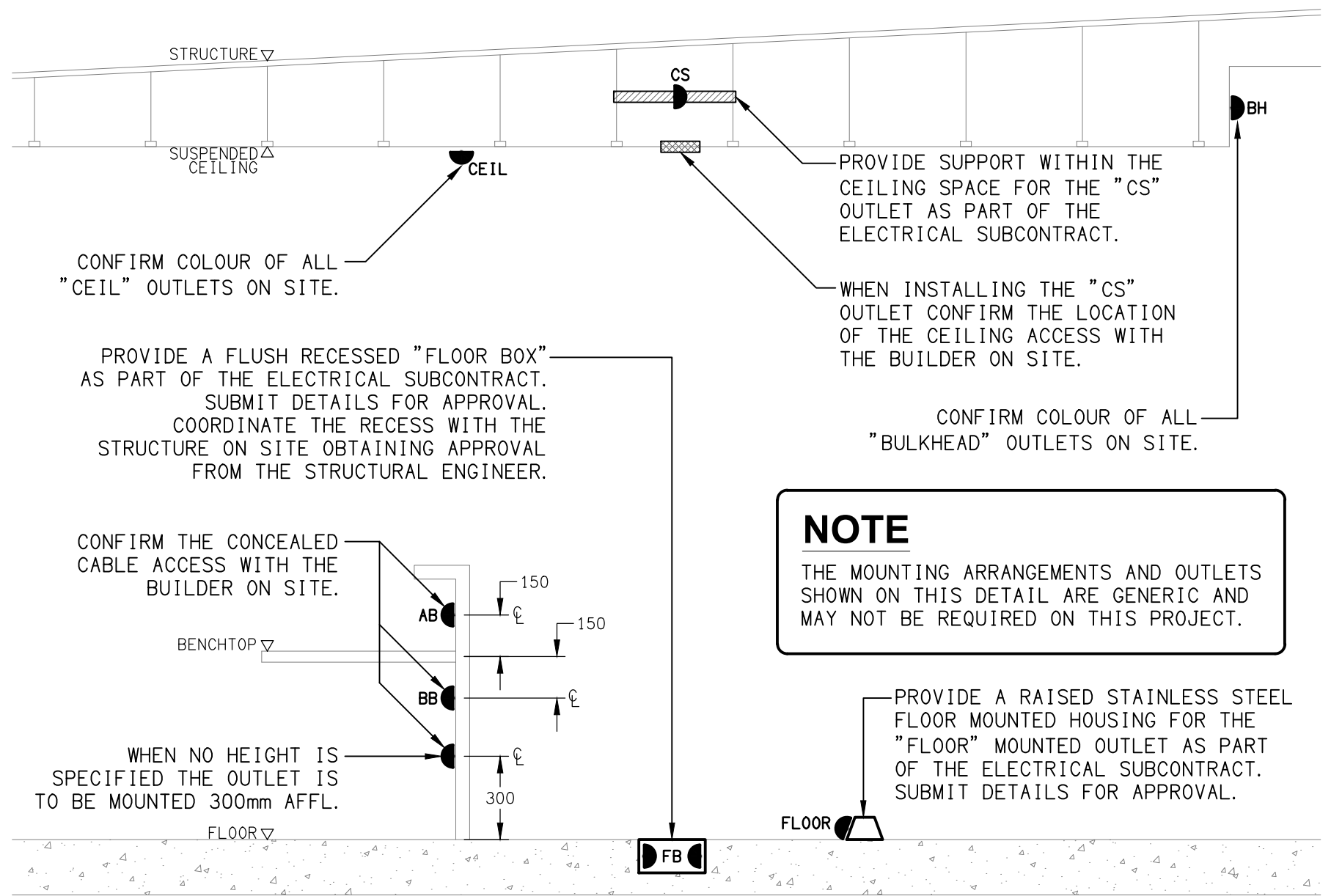
	ELECTRICAL SERVICES SWITCHBOARD.
	SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
	SINGLE POWER OUTLET.
	DOUBLE POWER OUTLET.
	DOUBLE POWER OUTLET C/W INTEGRAL USB.
	SPECIAL PURPOSE POWER OUTLET.
	SINGLE PHASE ISOLATOR.
	THREE PHASE ISOLATOR.
	JUNCTION BOX / CONNECTION AS NOTED.
	CONDUIT ROUTE. Ex DENOTES ELECTRICAL Cx DENOTES COMMUNICATIONS.
	ELECTRICAL PIT, TYPE AS NOTED.
	HAND DRYER CONNECTION.
	LIGHTING PRESENCE DETECTOR SWITCH.
	LIGHTING CONTROL SWITCH PANEL, TYPE AS NOTED.
	ONE-WAY LIGHT SWITCH.
	TWO-WAY LIGHT SWITCH.
	CIRCUIT LINE.
	SWITCH LINE.
	POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
	LIGHTING CONTROL CHANNEL REFERENCE.
	ELECTRICAL EQUIPMENT AS NOTED.
	RJ45 COMMUNICATIONS OUTLET.
	RJ45 CEILING PLUG.
	ACCESS CONTROL CARD READER.
	ACCESS CONTROL DOOR ELECTRIC STRIKE, TYPE AS NOTED.
	SECURITY DIRECTIONAL MOTION DETECTOR.
	SECURITY PIEZO SIREN.
	SCHOOL BELL HORN / HOOTER.
	SCHOOL BATTERY WALL CLOCK.
	FIRE ALARM STROBE.
	FIRE EVACUATION RECESSED SPEAKER.
	FIRE EVACUATION SURFACE SPEAKER.
	FIRE EVACUATION HORN.
	FIRE INDICATOR PANEL.
	THERMAL DETECTOR.
	MANUAL CALL POINT.
	SMOKE DETECTOR.
	SMOKE DETECTOR C/W IMPACT RESISTANT CAGE.
	CONCEALED SPACE SMOKE DETECTOR.

LEGEND

	FUSE.
	SINGLE PHASE.
	THREE PHASE.
	CURRENT TRANSFORMER C/W REMOVABLE LINK.
	FUSE LINK.
	COMBINED FUSE SWITCH.
	CIRCUIT BREAKER.
	ISOLATOR.
	RESIDUAL CURRENT DEVICE.
	CONTACTOR – NORMALLY OPEN.
	CONTACTOR – NORMALLY CLOSED.
	REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
	ML: MOTORISED LOUVRE CONNECTION.
	F1: EXISTING CEILING FAN.
	E1: RECESSED NON-MAINTAINED LED EMERGENCY LIGHT, WHITE.
	EX: EMERGENCY LED EXIT LIGHT, WHITE.
	Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
	L1: 600 X 600 LED FLAT PANEL MOUNTED IN THE TBAR.
	L2: 600 X 600 LED FLAT PANEL WITH A FLUSH PB RECESS KIT.
	L3: 1200 LED BATTEN.
	L4: LED STRIP LIGHT MOUNTED UNDER THE OVERHEAD JOINERY.
	L5: SMALL RECESSED LED DOWNLIGHT.
	L6: MEDIUM RECESSED LED DOWNLIGHT.
	L7: LARGE RECESSED LED DOWNLIGHT.
	L8: EXISTING LED HIGH BAY TO BE REINSTATED.
	L9: NEW AREA POLE LIGHT TO REPLACE THE EXISTING.
	L10: WALL MOUNTED AREA LIGHT.
	L11: WALL MOUNTED AREA LIGHT TO REPLACE THE EXISTING.
	L12: WALL MOUNTED CARPARK LIGHT.
	L13: EXISTING LED BUNKER LIGHT TO BE RETAINED.
	L14: NEW LED BUNKER LIGHT TO MATCH THE EXISTING L13 FITTING.

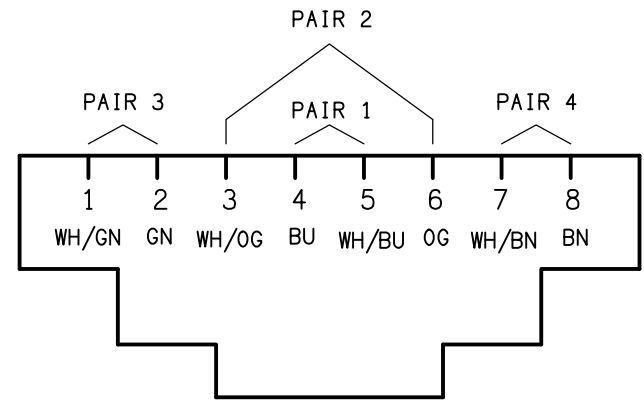
NOTE

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.



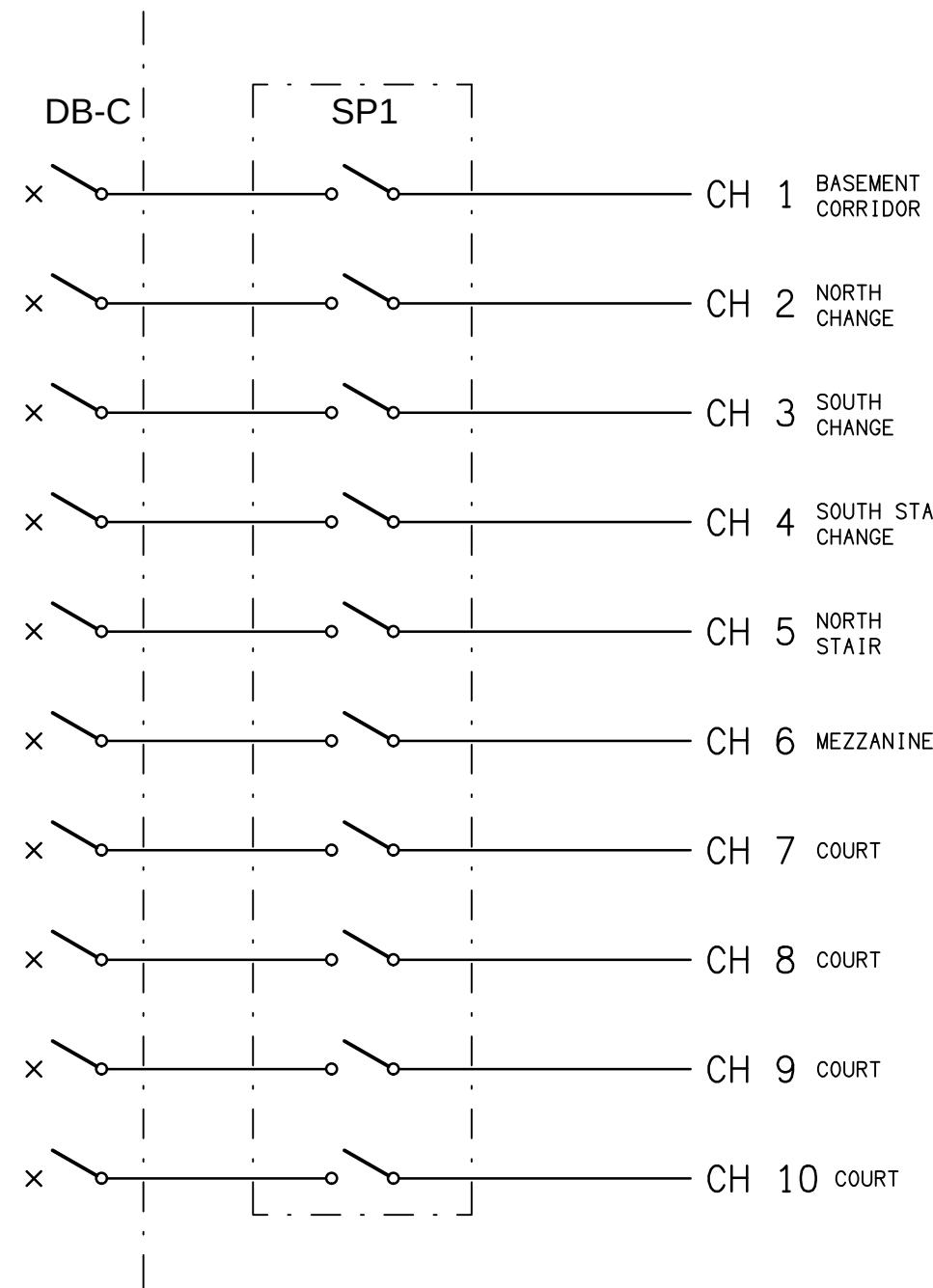
DETAIL

TYPICAL OUTLET MOUNTINGS
NOT TO SCALE



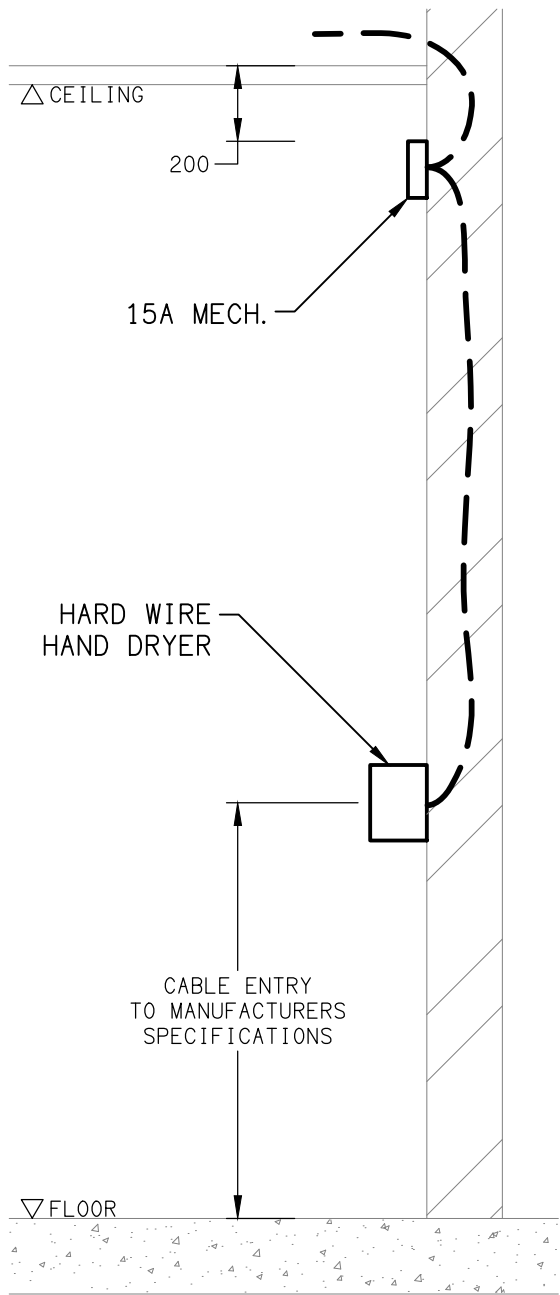
SCHEMATIC

RJ45 PINOUT CONFIGURATION
NOT TO SCALE



SCHEMATIC

SWITCH PANEL SP1 CONFIGURATION
NOT TO SCALE



DETAIL

HAND DRYER CONNECTION
NOT TO SCALE

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793 TRADING AS: ELECTRICAL DESIGN GROUP	THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP. USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE. ALL DIMENSIONS TO BE VERIFIED ONSITE.	ELECTRICAL DESIGN GROUP ELECTRICAL BUILDING SERVICES CONSULTANTS BRISBANE GOLD COAST P.O.Box 15, Sherwood Q,4075 Phone: 0418 893 338 Email: brisbane@edg.net.au Web: www.edg.net.au	PROJECT: ANGLICAN CHURCH GRAMMAR SCHOOL CAMPBELL CENTRE REFURBISHMENT OAKLANDS PARADE, EAST BRISBANE	T1 TENDER 06/10/2026 REV. DESCRIPTION: DATE:	
				DRAWING: ELECTRICAL SERVICES LEGEND & DETAILS SCALE: NOT TO SCALE AT A1	PROJECT NO: C3857a DRAWING NO: E01 REVISION: T1

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.
- ELECTRONIC SECURITY.
- INTRUDER DETECTION.
- PA SYSTEM.
- FIRE ALARM.
- UNDERTAKE THE INVESTIGATION AND REPORTING INTO THE EXISTING DDC PANEL AND EXTERNAL AERIAL CABLE / CONDUIT WITHIN ONE WEEK OF BEING AWARDED THE CONTRACT.
- MODIFICATION, RELOCATION AND EXTENSION AS NECESSARY OF ALL EXISTING SERVICES THAT ARE IMPACTED BY THE WORKS OR REQUIRED TO BE EXTENDED BY THE WORKS.
- REMOVAL OF ALL EXISTING SERVICES MADE REDUNDANT BY THE WORKS.
- DOCUMENTS.
- ANY TEMPORARY WORKS REQUIRED TO KEEP THE HOTEL OPERATING DURING THE CONSTRUCTION PROCESS AND ACCOMMODATE STAGING OF THE WORKS TO REFLECT THE EXECUTION OF THE MAIN CONTRACT WORKS.
- 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.

REFER TO THE EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

2. WORKMANSHIP

ENSURE THAT THE ELECTRICAL WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE AND THE SERVICES COVERED BY THE ACMA IS PERFORMED BY THE HOLDER OF THE APPROPRIATE CURRENT ACMA 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.

MODIFICATION, RELOCATION AND EXTENSION AS NECESSARY OF ALL EXISTING SERVICES THAT ARE IMPACTED BY THE WORKS OR REQUIRED TO BE EXTENDED BY THE WORKS.

PROVIDE ALL TEMPORARY WORKS REQUIRED TO KEEP THE VENUE AND ALL CONSTRUCTION STAGES OPERATING INCLUDING STAGED COMMISSIONING DURING THE CONSTRUCTION PROCESS.

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.

CORRUGATED CONDUITS MUST NOT BE USED WITHIN ANY FOOD OR DRINK PREPARATION OR SERVERY AREAS.

CABLE JOINS ARE NOT ACCEPTABLE. ALL CABLING, WIRING, CONDUCTORS AND CONDUITS MUST BE CONCEALED. ALL EXISTING ELECTRICAL SERVICES INCLUDING CABLING AND SWITCHGEAR THAT IS FOUND TO BE REDUNDANT OR MADE REDUNDANT BY THE WORKS MUST BE REMOVED.

IT IS ACCEPTABLE TO USE EXISTING SWITCHGEAR, OUTLETS AND CABLING IF THEY ARE APPROPRIATELY RATED AND THE ELECTRICIAN ACCEPTS RESPONSIBILITY OVER THE SWITCHGEAR / OUTLETS / CABLE AND PROVIDES A WARRANTY OVER IT AS IF IT WAS INSTALLED NEW BY THE ELECTRICIAN.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE ELECTRICAL SERVICES DOCUMENTS OR IN INSTRUCTIONS, IT IS THE ELECTRICAL SUB CONTRACTORS 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. 1.
- QUEENSLAND FIRE DEPARTMENT.
- WORKPLACE HEALTH AND SAFETY ACT.
- TELECOMMUNICATIONS ACT.
- ACMA REQUIREMENTS.

NOTES

4. 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.

5. POWER DISTRIBUTION

MODIFY THE EXISTING CAMPBELL CENTRE DISTRIBUTION BOARD DB-C TO ACCOMMODATE THE MODIFICATIONS AND ADDITIONAL CIRCUITS AS PER THE DB-C SCHEDULE. THE EXISTING CAMPBELL CENTRE MAIN DISTRIBUTION BOARD MDB-C IS TO REMAIN AS IS.

ALL OF THE EXISTING CIRCUITS, CABLING AND OUTLETS THAT BECOME REDUNDANT ARE TO BE REMOVED.

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.

ALL CIRCUIT BREAKERS AND CIRCUIT SCHEDULES MUST BE LABELLED / CONTAIN THE SUBMAIN / CIRCUIT USE AND LOCATION SUCH THAT THE CONNECTION / OUTLET CAN BE SIMPLY IDENTIFIED.

OUTLETS ARE TO BE PROVIDED WITH A NEAT HAND WRITTEN CIRCUIT DESIGNATION BY INDELIBL INK ON THE FACEPLATE SUCH THAT IT IS NOT VISIBLE WHEN THE COVER IS CONCEALED.

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

- POWER DISTRIBUTION.
- MODIFY THE EXISTING DISTRIBUTION BOARD DB-C.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.
- PROVIDE AN INFRARED SCAN OF MDB-C AND DISTRIBUTION BOARD DB-C ONE WEEK AFTER PRACTICAL COMPLETION.

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 TENANTS REPRESENTATIVE.

6. LIGHTING

ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- LAMPS.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- EMERGENCY AND EXIT LIGHTING.
- TESTING AND COMMISSIONING.

7. EMERGENCY AND EXIT LIGHTING

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.

NOTES

8. COMMUNICATIONS

QUEENSLAND DATA N ELECTRICAL SERVICES (07) 3889 7733 RORY CROSS 0411 704 385 rory@qlddata.com.au IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUB-CONTRACTOR TO INSTALL THE COMMUNICATIONS CABLING. RELOCATE THE EXISTING CAMPBELL CENTRE COMMUNICATIONS RACK CR-C ALONG WITH ALL ASSOCIATED OUTLETS AND SERVICES. THE EXISTING FIBRE IS TO BE RETAINED / RELOCATED TO CONTINUE SERVICING THE RELOCATED COMMUNICATIONS RACK CR-C.

ALL OF THE EXISTING COMMUNICATION CABLES THAT BECOME REDUNDANT ARE TO BE REMOVED. THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- REMOVAL OF EXISTING REDUNDANT CABLING.
- COMMUNICATIONS OUTLETS.
- RELOCATION OF COMMUNICATIONS RACK CR-C.
- PATCH PANELS WITHIN CR-C AS REQUIRED.
- TESTING AND COMMISSIONING.

9. ELECTRONIC SECURITY

A.B.C. ALARMS PTY. LTD. ANDRE CAFUN andrec@abccalarms.com.au PH (07) 3849 1939 MOB: 0408 917 505 IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUB CONTRACTOR TO UNDERTAKE ALL WORKS ASSOCIATED WITH THE SECURITY SERVICES INCLUDING THE INTRUDER DETECTION AND ACCESS CONTROL SYSTEM AS AN EXPANSION OF THE SCHOOLS EXISTING SECURITY SERVICES. RELOCATE THE EXISTING CAMPBELL CENTRE SECURITY PANELS / EXPANDERS ALONG WITH ALL ASSOCIATED OUTLETS AND SERVICES.

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

- ACCESS CONTROL.
- EXPANDER PANELS.
- INTRUDER DETECTORS.
- PIZEO SIRENS.
- CARD READERS.
- ELECTRIC STRIKES.
- CONCEALED DOOR CONTROLLERS.
- INTERFACE THE INTRUDER DETECTION SYSTEM TO THE LIGHTING SUCH THAT ALL INTERNAL LIGHTING IN PROTECTED AREAS IS TURNED OFF WHEN THE SECURITY SYSTEM IS ARMED.
- TESTING AND COMMISSIONING.

10. PA SYSTEM

A.B.C. ALARMS PTY. LTD. ANDRE CAFUN andrec@abccalarms.com.au PH (07) 3849 1939 MOB: 0408 917 505 IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUB CONTRACTOR TO UNDERTAKE ALL WORKS ASSOCIATED WITH THE PA SYSTEM.

THE SCHOOLS EXISTING TERACOM TERR-EX IP-AUDIO SYSTEM IS TO BE UTILISED TO SUPPLY ALL OF THE PA SYSTEM SPEAKERS.

THE PUBLIC ADDRESS SYSTEM COMPONENT OF THIS CONTRACT INCLUDES MULTI TAP 100V SPEAKERS AND HORNS CABLED TO THE AMPLIFIER WITHIN CR-C. PRIOR TO PRACTICAL COMPLETION, PROVIDE A TEMPORARY MUSIC SOURCE TO AIM / BALANCE THE SPEAKERS AND HORNS ON SITE AS DIRECTED BY THE SCHOOL.

THE PUBLIC ADDRESS SYSTEM COMPONENT OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- SPEAKERS AND HORNS.
- CO-ORDINATION.
- TESTING, COMMISSIONING AND BALANCING.
- MAINTENANCE.
- AS CONSTRUCTED DOCUMENTS INCLUDING DRAWINGS DETAILING THE LOOP PATH OF EACH SPEAKER CABLE.
- 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.

11. FIRE ALARM

FVS SERVICES GROUP, 1300 387 387, MARK WESTON, 0418 129 610, mark@fvs.com.au IS TO BE ENGAGED AS A NOMINATED SUBCONTRACTOR TO THE ELECTRICAL SUB CONTRACTOR TO UNDERTAKE ALL WORKS ASSOCIATED WITH THE PA FIRE ALARM SYSTEM. THE FIRE ALARM COMPONENT OF THIS CONTRACT IS TO INCLUDE REPLACING THE EXISTING CAMPBELL CENTRE FIRE ALARM SYSTEM WITH AN AS1670.1 COMPLIANT ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM CONNECTED TO THE SCHOOLS EXISTING BRIGADE MONITORED SYSTEM.

RECONNECT THE SCHOOLS EXISTING THE FIRE ALARM COMPONENT OF THIS CONTRACT IS TO INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- FIP INCORPORATING THE FDCIE AND EWCIE.
- MANUAL CALL POINT ON THE FDCIE.
- SPEAKERS.
- ADDRESSABLE SMOKE DETECTORS.
- ADDRESSABLE THERMAL DETECTORS.
- ADDRESSABLE CONCEALED SPACE DETECTORS C/W REMOTE INDICATORS AND REMOTE ACCESS BRACKETS AS REQUIRED.
- CABLING.
- EXTERNAL VISUAL INDICATOR.
- SYSTEM DIAGRAM.
- AS CONSTRUCTED DOCUMENTS INCLUDING DRAWINGS DETAILING THE LOOP PATH AND EACH COMPONENT ADDRESS.
- PROVISION OF ANY ADDITIONAL SPEAKERS TO ACHIEVE EVACUATION SOUND LEVELS WITH A MINIMUM OF 10DB (A) ABOVE AMBIENT, AND NOT LESS THAN 65DB (A) AND NO MORE THAN 105DB (A).
- TESTING AND COMMISSIONING.
- LOG BOOK.
- MAINTENANCE DURING THE DEFECTS AND LIABILITY PERIOD IN ACCORDANCE WITH MP6.1 OF THE QDC AND AS1851.
- PAY ALL COSTS ASSOCIATED WITH THE ISOLATION AND RECONNECTION OF THE BRIGADE MONITORING OF THE FIRE ALARM SYSTEM.

THE CONTRACTOR IS RESPONSIBLE FOR PAYING ANY CALL OUT FEES ISSUED BY QFES THAT ARE THE RESULT OF DEFECTIVE WORKS, CABLING OR SYSTEM COMPONENTS

ENSURE ALL WORKS INSTALLED UNDER THE FIRE ALARM SYSTEM COMPONENT OF THE ELECTRICAL SUB-CONTRACT IS UNDERTAKEN BY, OR UNDER THE DIRECTION OF A SUITABLY QUALIFIED AND EXPERIENCED FIRE ALARM SYSTEM INSTALLER WHO HOLD THE REQUIRED QBCC AND FIRE PROTECTION CONTRACTORS REGISTRATION BOARD OF QUEENSLAND INC REGISTRATIONS.

NOTES

12. DOCUMENTATION

WITHIN TWO WEEKS OF PRACTICAL COMPLETION PROVIDE THE FOLLOWING DOCUMENTATION.

AS CONSTRUCTED DRAWINGS INCLUDING:

- ELECTRICIANS NAME AND CONTACT DETAILS.
- PROJECT NAME, ADDRESS AND DATE OF PRACTICAL COMPLETION.
- FITTING POSITIONS AND TYPES CROSS REFERENCED TO A FITTING / EQUIPMENT SCHEDULE.
- OUTLET, SWITCH, AND CONNECTION POSITIONS CROSS REFERENCED TO A FITTING / EQUIPMENT SCHEDULE.
- REMOTE DRIVER LOCATIONS.
- CIRCUITS CROSS REFERENCED TO A DISTRIBUTION BOARD SCHEDULE.
- LIGHTING CONTROL CHANNELS CROSS REFERENCED TO A LIGHTING CONTROL SCHEDULE.
- POWER SCHEMATIC.
- SWITCHBOARD SHOP DRAWINGS.
- CABLE ACCESS ROUTES.

A FITTING / EQUIPMENT SCHEDULE INCLUDING.

- FITTING DETAILS INCLUDING THE MANUFACTURERS CATALOGUE NUMBERS WITH THE TYPES CROSS REFERENCED TO THE AS CONSTRUCTED DRAWINGS.
- OUTLETS AND SWITCHES INCLUDING THE MANUFACTURERS CATALOGUE NUMBERS WITH THE TYPES CROSS REFERENCED TO THE AS CONSTRUCTED DRAWINGS.

DISTRIBUTION BOARD SCHEDULES CROSS REFERENCED TO THE AS CONSTRUCTED DRAWINGS.

LIGHTING CONTROL SCHEDULE CROSS REFERENCED TO THE AS CONSTRUCTED DRAWINGS.

PHOTOS OF EACH SWITCHBOARD INCLUDING:

- CLOSED POSITION SUCH THAT THE SWITCHBOARD DESIGNATION AND CLEARANCE IS VISIBLE.
- THE SUBMAIN LABEL.
- DOOR/S OPEN ESCUTCHEON/S CLOSED SUCH THAT THE SPARE CAPACITY AND LABELLING IS VISIBLE.
- DOOR/S OPEN ESCUTCHEON/S REMOVED SUCH THAT THE SWITCHGEAR AND INTERNAL CABLING IS VISIBLE.

14. ABBREVIATIONS

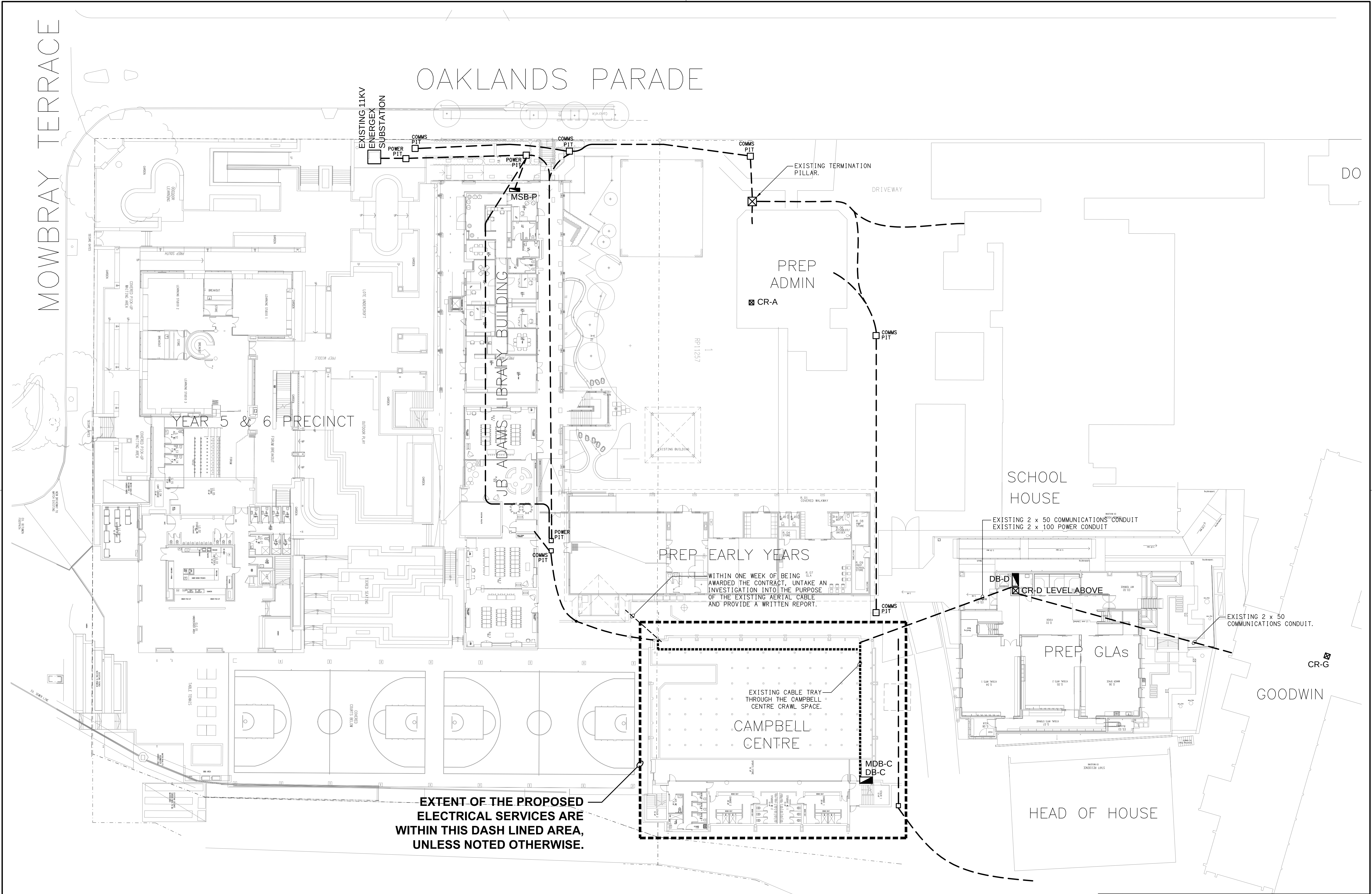
A - AMP CURRENT RATING
AB - MOUNT ABOVE BENCH.
AD. - AUTO DOOR.
AFFL - ABOVE FINISHED FLOOR LEVEL.
BB - MOUNT BELOW BENCH.
BH - MOUNT ON BULKHEAD.
CEIL - MOUNT ON CEILING.
CS - MOUNT WITHIN CEILING SPACE.
C/W - COMPLETE WITH.
DW - DISHWASHER.
HWS - HOT WATER SYSTEM.
MCB - MINIATURE CIRCUIT BREAKER.
MSB - 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.
RK - RECESS KIT.
SUS - MOUNT SUSPENDED FROM CEILING.
UNO - UNLESS NOTED OTHERWISE.
WP - WEATHERPROOF TO IP56 UNO.
500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

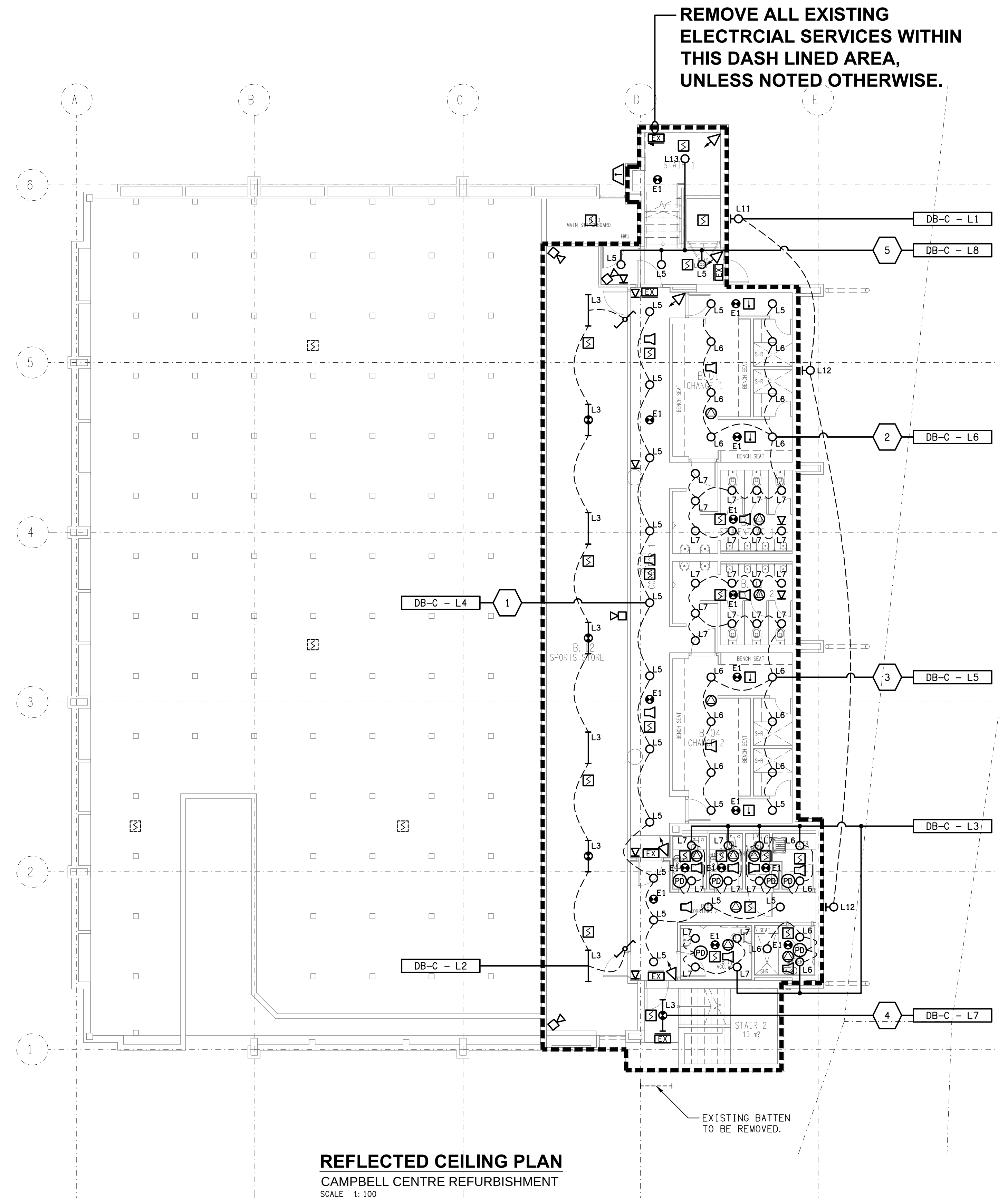
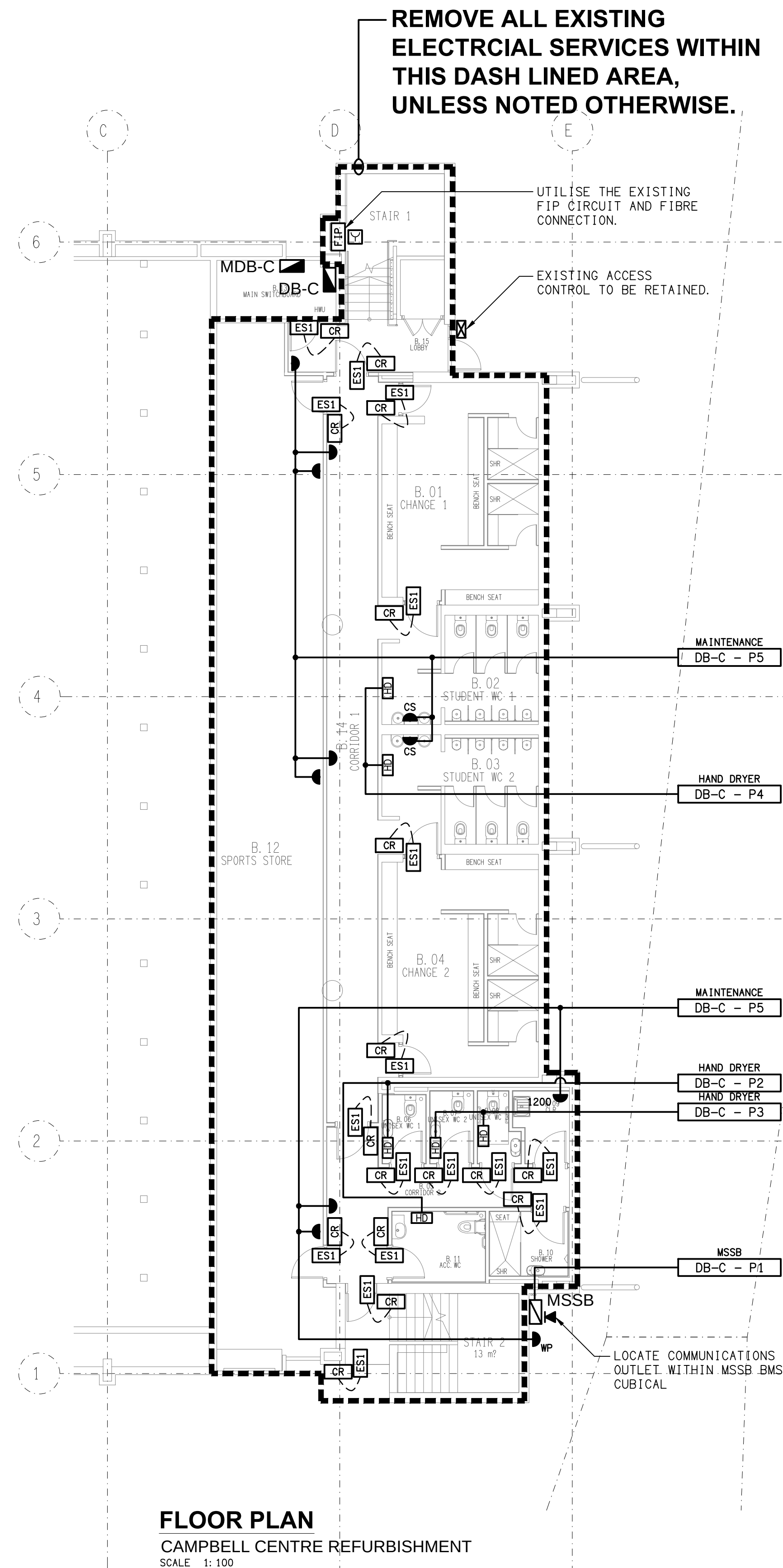
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						REV:	DESCRIPTION:	DATE:
TRADING AS: ELECTRICAL DESIGN GROUP		USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.		DRAWING: ELECTRICAL SERVICES NOTES				
		ALL DIMENSIONS TO BE VERIFIED ONSITE.		OAKLANDS PARADE, EAST BRISBANE		SCALE: NOT TO SCALE AT A1	PROJECT NO: C3857a	DRAWING NO: E02
						REVISION: T1		

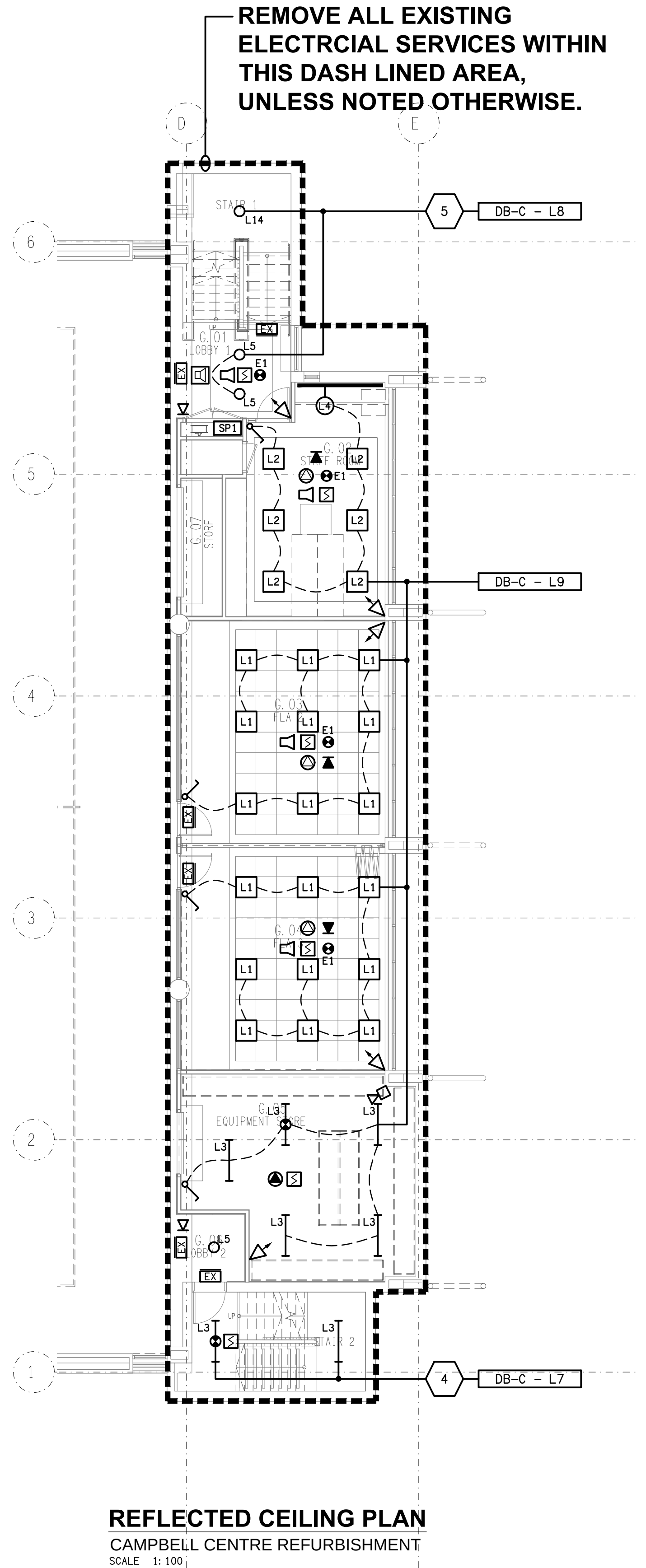
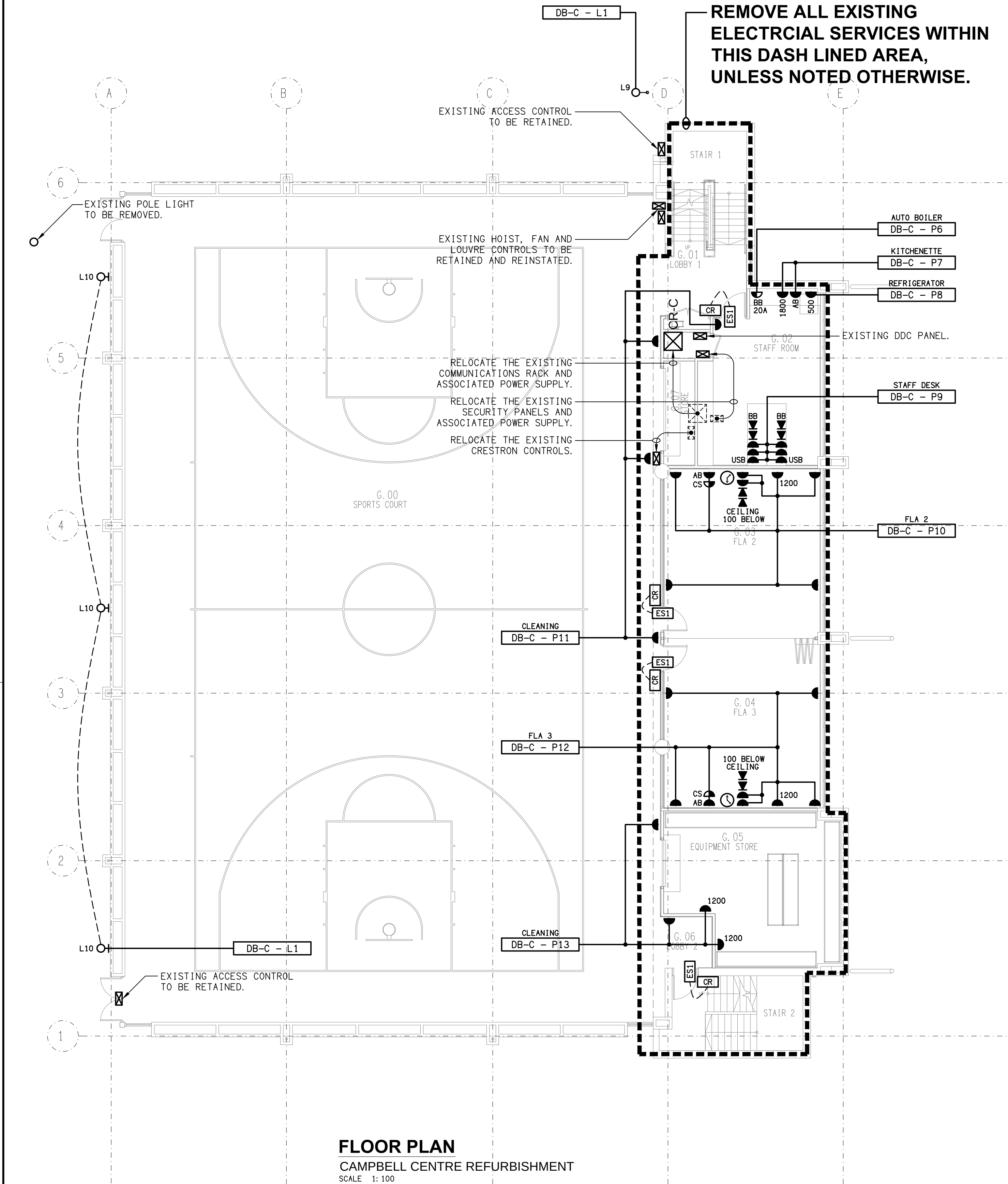


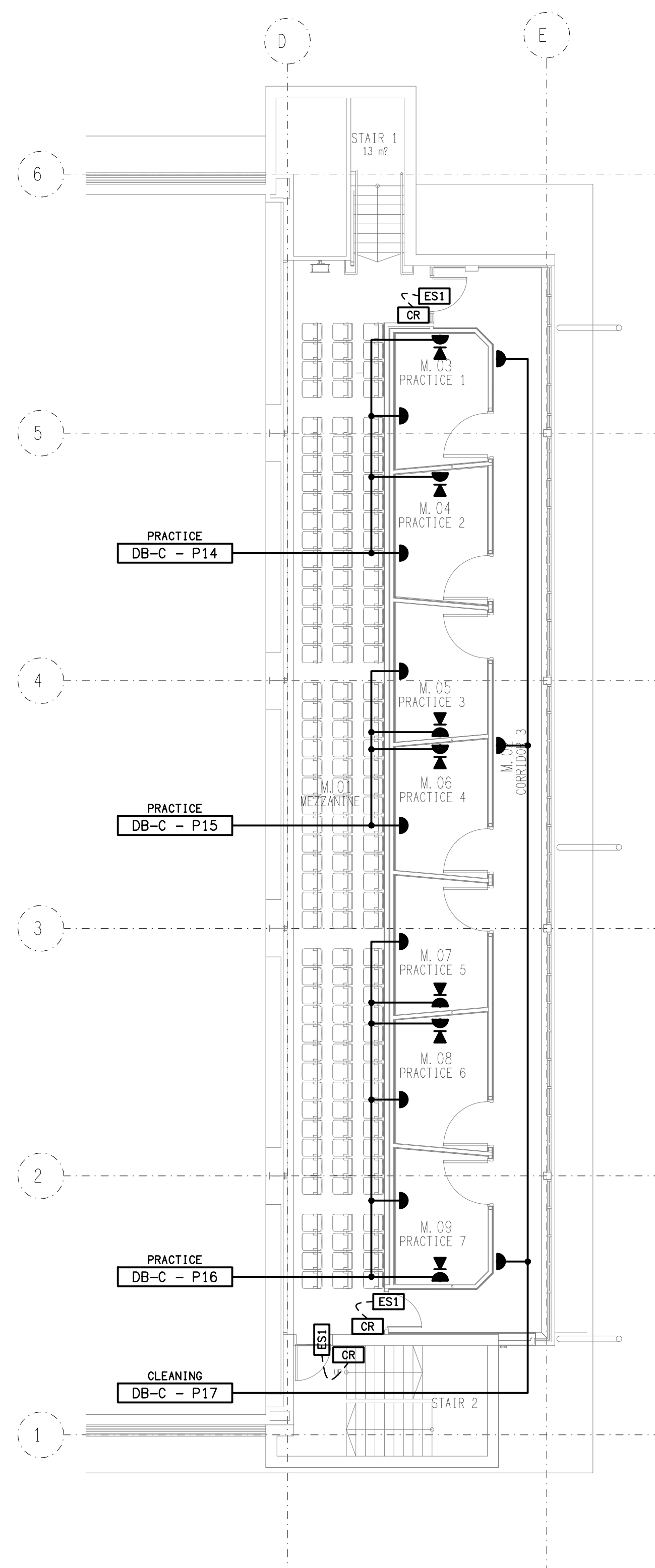
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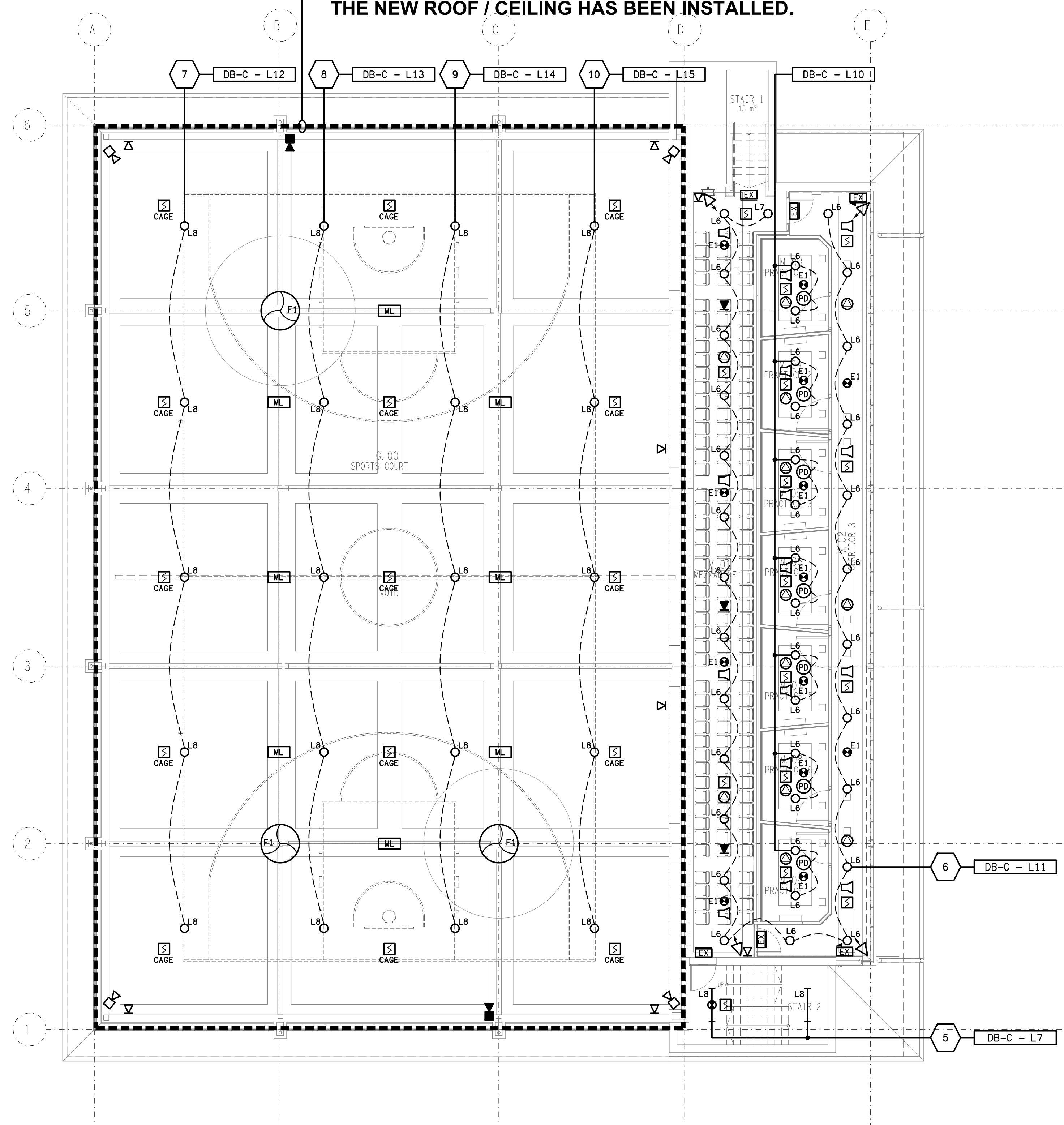








FLOOR PLAN
CAMPBELL CENTRE REFURBISHMENT
SCALE 1:100



REFLECTED CEILING PLAN
CAMPBELL CENTRE REFURBISHMENT
SCALE 1:100

REMOVE THE EXISTING SCHOOL BELL, FIRE ALARM SPEAKERS AND FIRE DETECTORS WITHIN THIS DASH LINED AREA. PROVIDE NEW SPEAKERS AND DETECTORS AS INDICATED. REINSTATE THE EXISTING FANS, L8 LIGHTS AND MOTORISED LOUVRES ONCE THE NEW ROOF / CEILING HAS BEEN INSTALLED.

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PROJECT:
ANGLICAN CHURCH GRAMMAR SCHOOL
CAMPBELL CENTRE REFURBISHMENT

OAKLANDS PARADE, EAST BRISBANE

T1	TENDER	06/10/2026
REV:	DESCRIPTION:	DATE:

DRAWING:
ELECTRICAL SERVICES
MEZZANINE LEVEL PLANS

SCALE: 1:100	AT A1	PROJECT NO: C3857a	DRAWING NO: E06	REVISION: T1
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