



# 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

C3777a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, MIDDLE SCHOOL CHA16 - AUDITORIUM C3777a-0001(B).xls

## ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION B - 01 JUNE 2026

ISSUING INFORMATION				DATE OF ISSUE							
	DAY	05	01								
	MONTH	27	06								
	YEAR	26	26								
	REASON FOR ISSUE	T	T								
A = APPROVAL    C = CONSTRUCTION    N = COORDINATION    P = PRELIMINARY    T = TENDER											

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DOCUMENTS				REVISION							
C3777a-E01.dwg	LEGEND & DETAILS	A									
C3777a-E02.dwg	NOTES	A									
C3777a-E03.dwg	SITE PLAN	A									
C3777a-E04.dwg	FLOOR PLAN	A	B								
C3777a-E05.dwg	REFLECTED CEILING PLAN	A	B								
C3777a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B								
C3777a-0002.xls	EQUIPMENT SCHEDULE	A	B								
C3777a-0004.xls	DISTRIBUTION BOARD DB-B SCHEDULE	A	B								
C3777a-0005.xls	DISTRIBUTION BOARD DB-3 SCHEDULE	A									



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## ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 01 JUNE 2026

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK  
[www.edg.net.au/links.html](http://www.edg.net.au/links.html)

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	60W 3000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1404-3K-60W	A
L2	36W 3000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1716-3K-36W	A
L3	45W BLUE LED	RECESSED 35DEG BLUE LIGHT DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1443-BLUE-45W	A
L4	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-22W	A
L5	13W 4000K LED	RECESSED 40 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	A
L6	28W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A SURFACE MOUNTING KIT	BLACK	GAMMA ILLUMINATION PHANTOM 600X600 88 SERIES 28W C/W SCREW FREE SURFACE KIT	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE SF1LEDP	A
E2	LED	THEATRE MASK 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.	BLACK	STANILITE PQFBLEDP	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. AS2293 CLASSIFICATION C0-D8 - C90-E3.2.	WHITE	STANILITE PQFLEDP	A
LIGHT SWITCH PANEL 1 (SP1)		PROGRAMABLE LCD DISPLAY LIGHTING CONTROL PANEL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. CONNECT TO THE DYNALITE CONTROLLER IN DB-B	WHITE	DYNALITE ANTUMBRA LCD DISPLAY	A
LIGHT SWITCH PANEL 2 (SP2)		PROGRAMABLE LCD DISPLAY LIGHTING CONTROL PANEL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. CONNECT TO THE DYNALITE CONTROLLER IN DB-B	WHITE	DYNALITE ANTUMBRA LCD DISPLAY	A



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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
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES	A
DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE UNLESS NOTED AS BLACK	CLIPSAL C2000 SERIES	A
DOUBLE POWER OUTLET (USB)		DOUBLE POWER OUTLET C/W TWO USB C CHARGER PORTS , CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AB U.N.O. RATING 10A U.N.O.	WHITE UNLESS NOTED AS BLACK (BK)	CLIPSAL C2000 SERIES FACEPLATE	A
THEATRE OUTLET		20A POWER OUTLET C/W ENGRAVED COLOURED CHANNEL IDENTIFICATION (LX-x) VISIBLE ON THE FACEPLATE MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O. CABLE EACH THEATRE OUTLET AS A SEPARATE CHANNEL TO THE THEATRE OUTLET PANEL .	WHITE UNLESS	CLIPSAL C2000 SERIES	A
THEATRE OUTLET PANEL		PROVIDE THE THEATRE OUTLET PANEL AS A CUSTOM ENCLOSURE AS PER THE THEATRE OUTLET PANEL SECTION WITH TERMINALS TO FACILITATE THE CONNECTION OF THE FIXED 2.5MM CABLING TO 10 AMP FLEX AND PLUGS. PROVIDE A SHOP DRAWING OF THE THEATRE OUTLET PANEL FOR APPROVAL.			A
THREE-PHASE OUTLET		THREE-PHASE 40 AMP OUTLET MOUNTED AS PER THE ELEVATION	GREY	CLIPSAL 56C440-GY	A
MSB		EXISTING SITE MSB TO REMAIN AS IS			A
DB-B		PROVIDE A NEW DISTRIBUTION BOARD DB-B SUPPLIED BY A NEW 4C+E X 70MM Cu XLPE / PVC SUBMAIN PROTECTED BY A NEW 160 AMP MCCB IN DB-C. PROVIDE DISTRIBUTION BOARD DB-B AS PER THE DISTRIBUTION BOARD SCHEDULE AND NOTES.			A
DB-3		EXISTING EXTERNAL BUILDING MAIN DISTRIBUTION BOARD DB-C TO BE PROVIDED WITH A NEW MCCB TO SUPPLY DB-B. PROVIDE THE NEW MCCB TO MATCH THE EXISTING AND UPDATE THE LABELLING PRIOR TO PRACTICAL COMPLETION.			A
COMMUNICATIONS RACK CR-A		EXISTING COMMUNICATIONS RACK TO BE PROVIDED WITH ADDITIONAL PATCH PANELS AND A FOBOT UPGRADE AS NECESSARY TO ACCOMMODATE THE NEW COMMUNICATIONS OUTLETS AND FIBRE CABLE TO AV-2. REMOVE ALL REDUNDANT CABLING AND UPDATE ALL PORT LABELS PRIOR TO PRACTICAL COMPLETION.			A
AUDIO VISUAL RACK 1 AV-1		FULL HEIGHT AUDIO VISUAL RACK PROVIDED BY THE COLLEGE.			B

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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
AUDIO VISUAL RACK 2 AV-2		FULL HEIGHT AUDIO VISUAL RACK PROVIDED BY THE COLLEGE. PROVIDE THE RACK WITH THE NECESSARY PATCH PANELS TO ACCOMMODATE THE COMMUNICATIONS OUTLETS CABLED TO AV-2. PROVIDE THE RACK WITH A FOBOT TO ACCOMMODATE THE FIBRE CABLES FROM AV-3 AND CR-A. COORDINATE THE PATCH PANELS AND FOBOT MOUNTING POSITIONS ON SITE WITH THE COLLEGE.			B
AUDIO VISUAL RACK 3 AV-3		PROVIDE A BELOW BENCH AUDIO VISUAL RACK. PROVIDE THE RACK WITH A FOBOT TO ACCOMMODATE THE FIBRE CABLE FROM AV-2. COORDINATE THE FOBOT MOUNTING POSITIONS ON SITE WITH THE COLLEGE.			B
FLOOR BOX TYPE 1 (FB1)		CUSTOM MADE 2MM GALVANIZED FLOOR BOX FLUSH RECESSED VERTICALLY INTO THE FRONT OF THE STAGE TO CONTAIN THE OUTLETS AND CONDUIT ACCESS AS DETAILED ON THE FLOOR BOX FB2 DETAIL WITH THE EXCEPTION THAT THE LID IS TO BE HINGED ON ONE SIDE AND SECURED ON THE OTHER BY A CONCEALED MAGNETIC PRESS MECHANISM. PROVIDE THE LID WITH THE SAME FINISH AS THE STAGE FRONT AND ENSURE THE LID SITS FLUSH WITH THE STAGE FRONT. PROVIDE STRUCTURAL SUPPORTS AND A CUT-OUT OF THE STAGE FRONT AS NECESSARY. PROVIDE SHOP DRAWINGS FOR APPROVAL. CONFIRM THE POSITION OF THE FLOOR BOX ON SITE WITH THE COLLEGE.			A
FLOOR BOX TYPE 2 (FB2)		CUSTOM MADE 2MM GALVANIZED FLOOR BOX FLUSH RECESSED INTO THE STAGE FLOOR TO CONTAIN THE OUTLETS AND CONDUIT ACCESS AS DETAILED ON THE FLOOR BOX FB2 DETAIL. PROVIDE THE LID WITH THE SAME FINISH AS THE STAGE FLOOR AND ENSURE THE LID SITS FLUSH WITH THE STAGE FLOOR. PROVIDE STRUCTURAL SUPPORTS AND A CUT-OUT OF THE STAGE FLOOR AS NECESSARY. PROVIDE SHOP DRAWINGS FOR APPROVAL. CONFIRM THE POSITION OF THE FLOOR BOX ON SITE WITH THE COLLEGE.			A
COMMUNICATIONS OUTLET CABLED TO CR-A		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK CR-A VIA 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET. MOUNT AT 300 AFFL U.N.O	WHITE	CLIPSAL C2000 SERIES	A
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	A
COMMUNICATIONS OUTLET CABLED TO AV-2		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN THE AUDIO VISUAL RACK AV-2 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	CLIPSAL C2000 SERIES	A
ZONE 1 PA SYSTEM RECESSED SPEAKER		15W CEILING RECESSED MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER CABLED BACK TO A DEDICATED AMPLIFIER WITHIN THE RACK AV-2 VIA 1.5MM FIG 8 CABLE.	WHITE	AUSTRALIAN MONITOR QF8CS	A
ZONE 2 PA SYSTEM RECESSED SPEAKER		15W CEILING RECESSED MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER CABLED BACK TO A DEDICATED AMPLIFIER WITHIN THE COMMUNICATIONS RACK CR-A VIA 1.5MM FIG 8 CABLE.	WHITE	AUSTRALIAN MONITOR QF8CS	A

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DISTRIBUTION BOARD DB-B

REVISION B - 01 JUNE 2026

							REV
FAULT CURRENT:		6KA	MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR		A
CHASSIS SIZE:		72 POLES	SUPPLIED FROM:		DB-3		A
CHASSIS RATING:		250A	SUPPLY CABLE:		4C+E 70		A
PHASES:		3					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. PROVIDE THE DB WITH A PHILIPS DYNALITE DDBC320-DALIV3 TO CONTROL THE DALI LIGHTS AND A PHILIPS DYNALITE DDNG485 NETWORK COMMUNICATIONS BRIDGE.							B
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P2	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P3	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P4	1	20	RCBO	2.5	AV RACKS	GPOS	A
P5	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P6	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P7	1	20	RCBO	2.5	BIO BOX	TV	A
P8	1	20	RCBO	2.5	BIO BOX	CLEANING	A
P9	1	20	RCBO	2.5	BIO BOX	GPO	A
P10	1	20	RCBO	2.5	BIO BOX	GPO	A
P11	1	20	RCBO	2.5	BIO BOX	GPO	A
P12	1	20	RCBO	2.5	BIO BOX	AV-3	A
P13	1	20	RCBO	2.5	STAGE	GPO	A
P14	1	20	RCBO	2.5	STAGE	GPO	A
P15	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P16	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P17	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P18	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P19	1	20	RCBO	2.5	STAGE	GPO	A
P20	1	20	RCBO	2.5	STAGE	GPO	A
P21	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P22	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P23	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P24	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P25	1	20	RCBO	2.5	AUDITORIUM	GPO	A
L1	1	20	RCBO	2.5		LIGHTING	A
L2	1	20	RCBO	2.5		LIGHTING	A
L3	1	20	RCBO	2.5		LIGHTING	A
L4	1	20	RCBO	2.5		LIGHTING	A
L5	1	20	RCBO	2.5		LIGHTING	A
L6	1	20	RCBO	2.5		LIGHTING	A
L7	1	20	RCBO	2.5		LIGHTING	A
L8	1	20	RCBO	2.5		LIGHTING	A



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







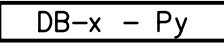





















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**DISTRIBUTION BOARD DB-3**

**REVISION A - 28 MAY 2026**

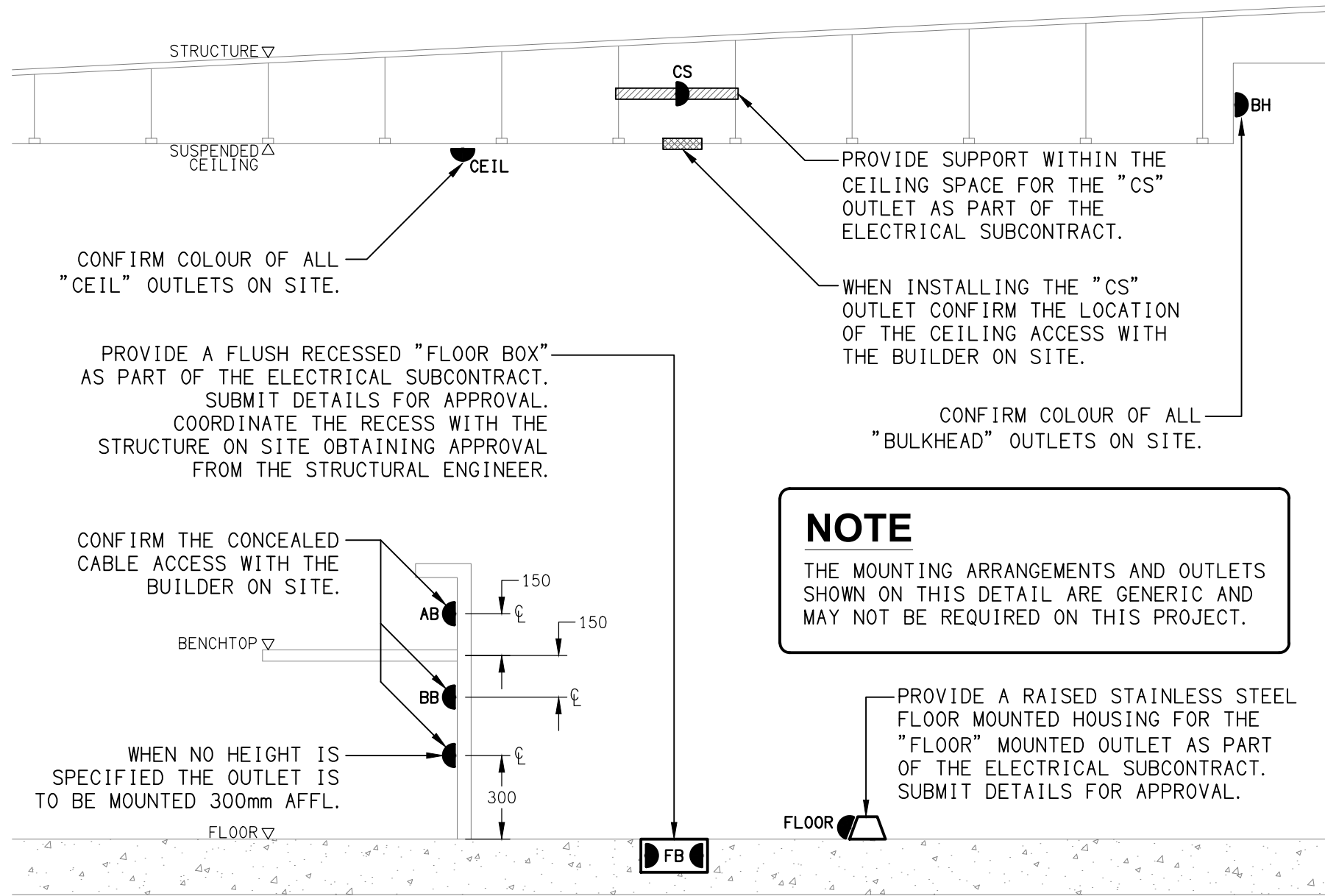
							REV
UPDATE THE EXISTING DISTRIBUTION BOARD TO ACCOMMODATE THE FOLLOWING CIRCUITS. ALL EXISTING SWITCHGEAR THAT HAS BECOME REDUNDANT IS TO BE REMOVED. IT IS ACCEPTABLE TO UTILISE EXISTING SPARE SWITCHGEAR IF IT IS IN GOOD CONDITION AND HAS THE APPROPRIATE CAPACITY AND FUNCTIONS. UPDATE THE CIRCUIT AT PRACTICAL COMPLETION SUCH THAT THE DESCRIPTION INDICATES THE CIRCUIT USE AND LOCATION.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	MEETING ROOM	GPO	A
P2	1	20	RCBO	2.5	RECEPTION	GPO	A
P3	1	20	RCBO	2.5	RTC	GPO	A
P4	1	20	RCBO	2.5	CHAPLIN	GPO	A
P5	1	20	RCBO	2.5	CHAPLIN	GPO	A
P6	1	20	RCBO	2.5	HUB	GPO	A
P7	1	20	RCBO	2.5	MOTHERS	GPO	A
L1	1	20	RCBO	2.5	MOTHERS HUB	LIGHTING	A
L2	1	20	RCBO	2.5	CHAPLIN RTV	LIGHTING	A
L3	1	20	RCBO	2.5	MEETING / RECEPTION	LIGHTING	A

LEGEND

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  USB DOUBLE POWER OUTLET C/W TWO INTEGRAL USB PORTS.
-  SPECIAL PURPOSE POWER OUTLET.
-  THEATRE OUTLET.
-  **FBx** ELECTRICAL FLOOR BOX, TYPE AS NOTED.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  **SPx** LIGHTING SWITCH PANEL, TYPE AS NOTED.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  **DB-x - Py** POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 UTP COMMUNICATIONS OUTLET CABLED TO AV-2.
-  RJ45 UTP COMMUNICATIONS OUTLET CABLED TO CR-A.
-  **STP** RJ45 STP COMMUNICATIONS OUTLET CABLED TO CR-A.
-  PA SPEAKER ZONE 1.
-  PA SPEAKER ZONE 2.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  **xx** LIGHTING CHANNEL REFERENCE.
-  **Rx** RELAY.
-  **Cx** CONTACTOR.
-  **NO** NORMALLY OPEN.
-  **NC** NORMALLY CLOSED.
-  **E1** E1: RECESSED GENERAL LED EMERGENCY LIGHT, WHITE.
-  **E2 EX** E2 EX: EMERGENCY LED EXIT LIGHT C/W BLACK THEATRE MASK.
-  **EX** EX: EMERGENCY LED EXIT LIGHT, WHITE.
-  **L1** L1: AUDITORIUM RECESSED DOWNLIGHT.
-  **L2** L2: BACK OF HOUSE RECESSED DOWNLIGHT.
-  **L3** L3: BACK OF HOUSE BLUE RECESSED DOWNLIGHT.
-  **L4** L4: OFFICE RECESSED DOWNLIGHT.
-  **L5** L5: MEETING ROOM RECESSED DOWNLIGHT.
-  **L6** L6: CHAPLAIN 600 x 600 LAY IN FLAT PLATE 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.

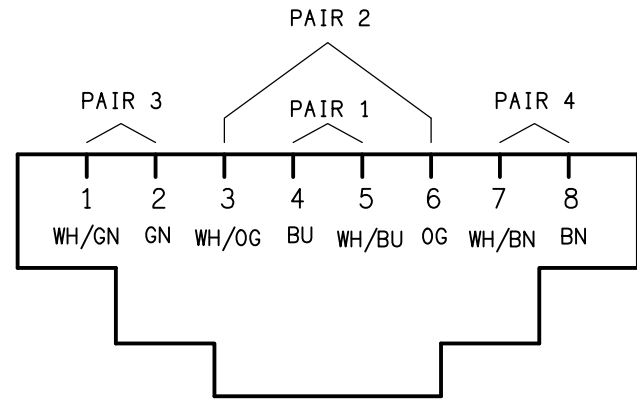


DETAIL

TYPICAL OUTLET MOUNTINGS  
NOT TO SCALE

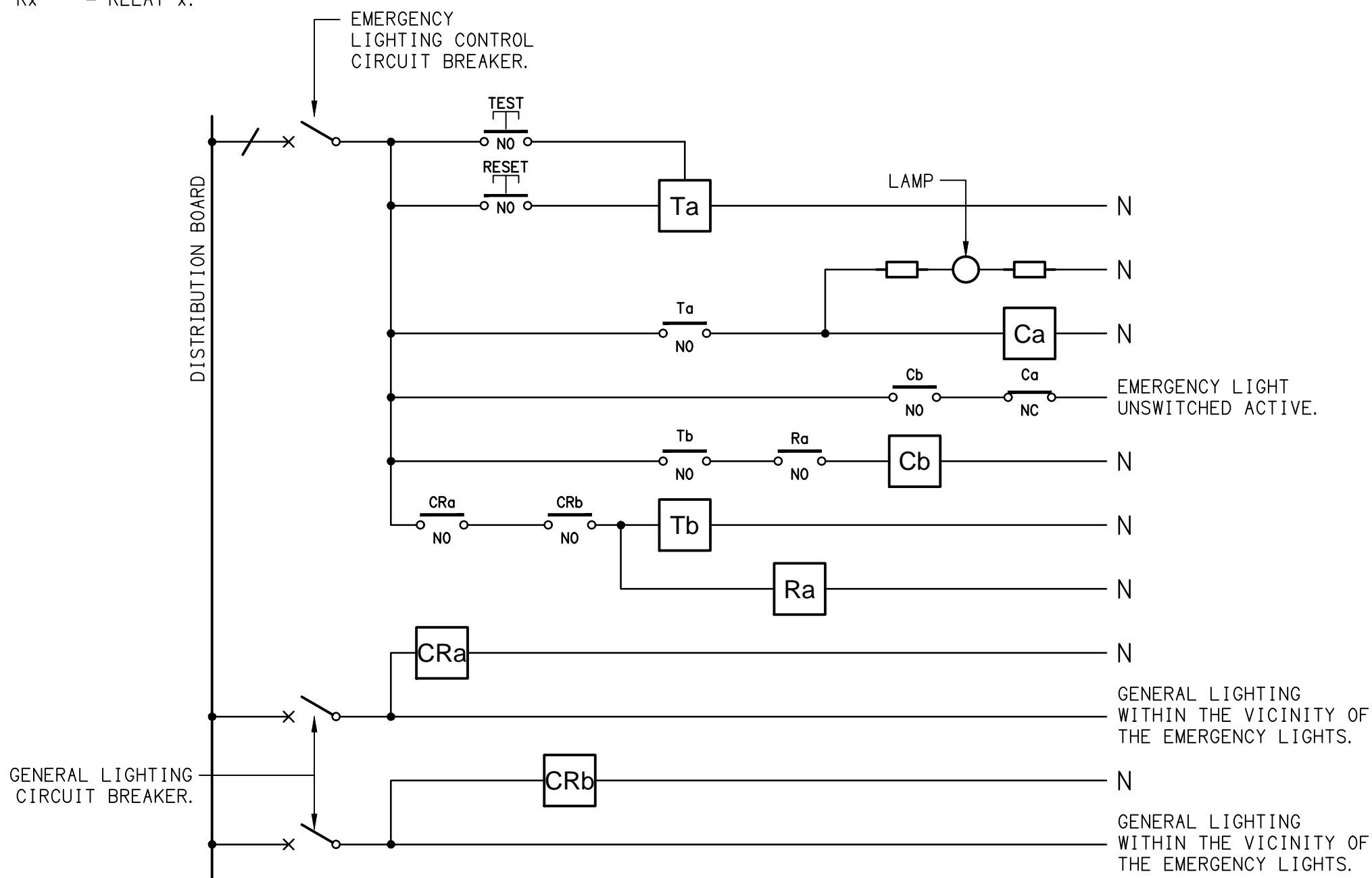
EQUIPMENT:

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



SCHEMATIC

RJ45 PINOUT CONFIGURATION  
NOT TO SCALE

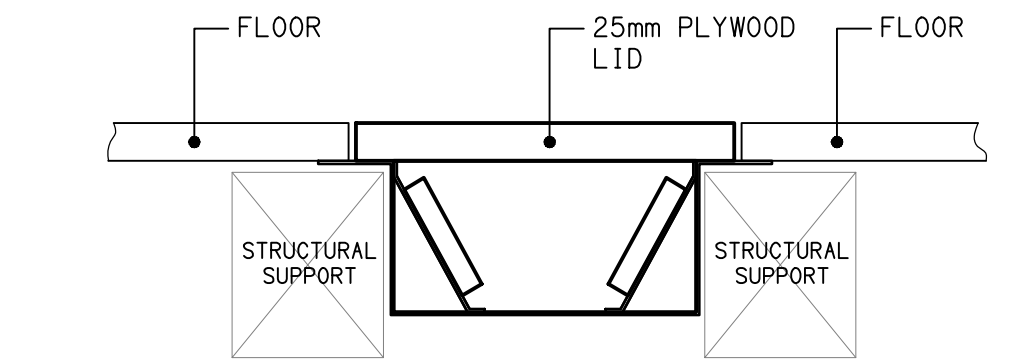


SCHEMATIC

EMERGENCY LIGHTING  
NOT TO SCALE

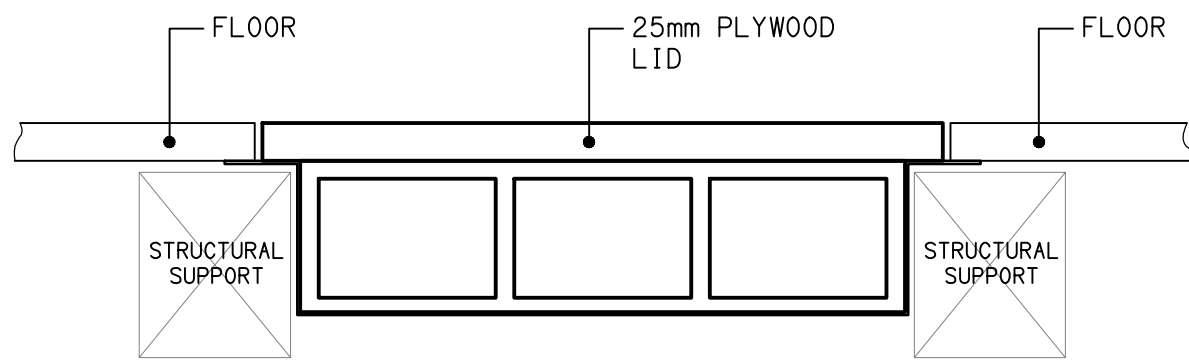
NOTES

- 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 CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.



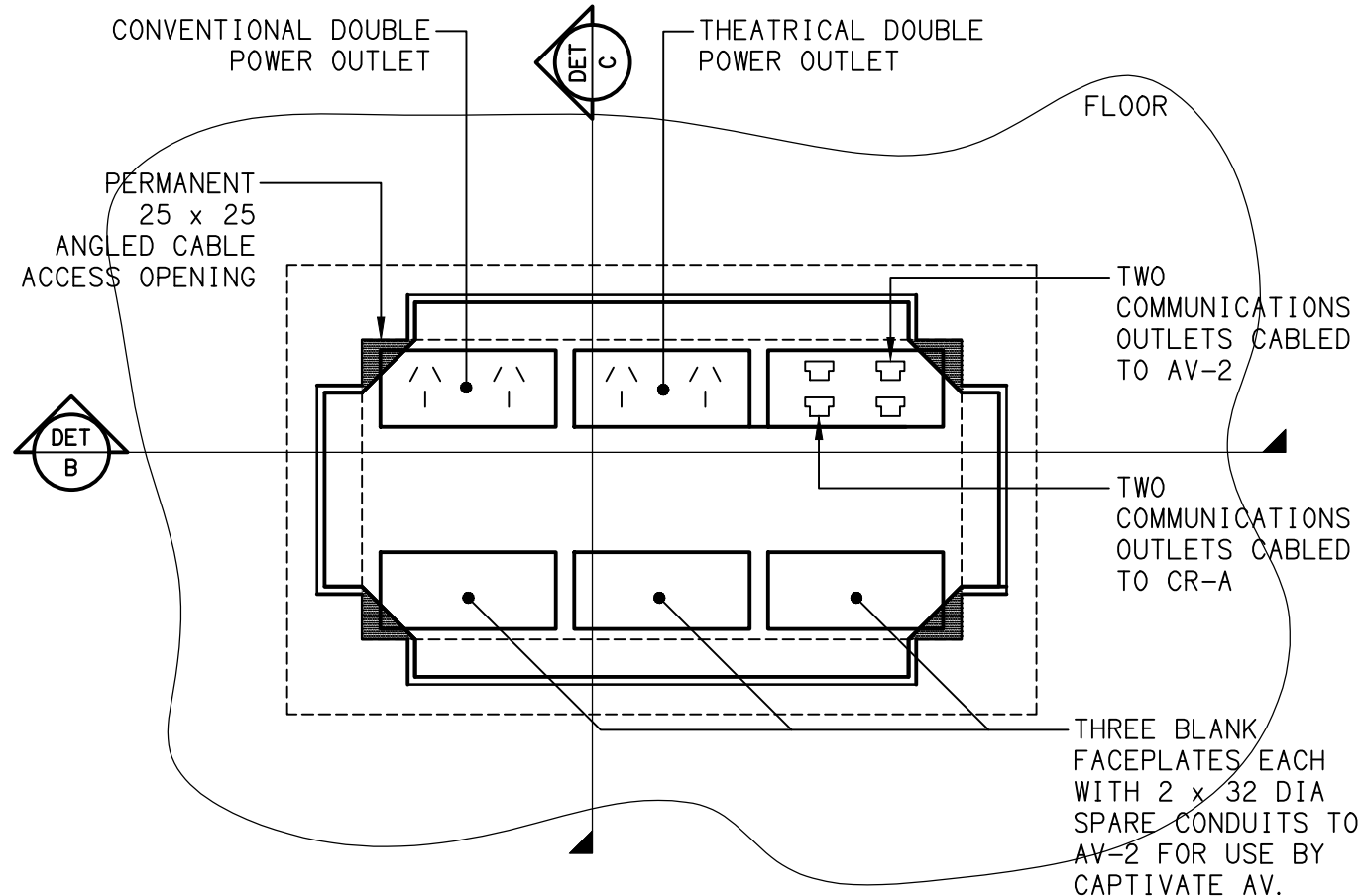
DETAIL C

CUSTOM FLOOR BOX FB2 SECTION 2  
NOT TO SCALE



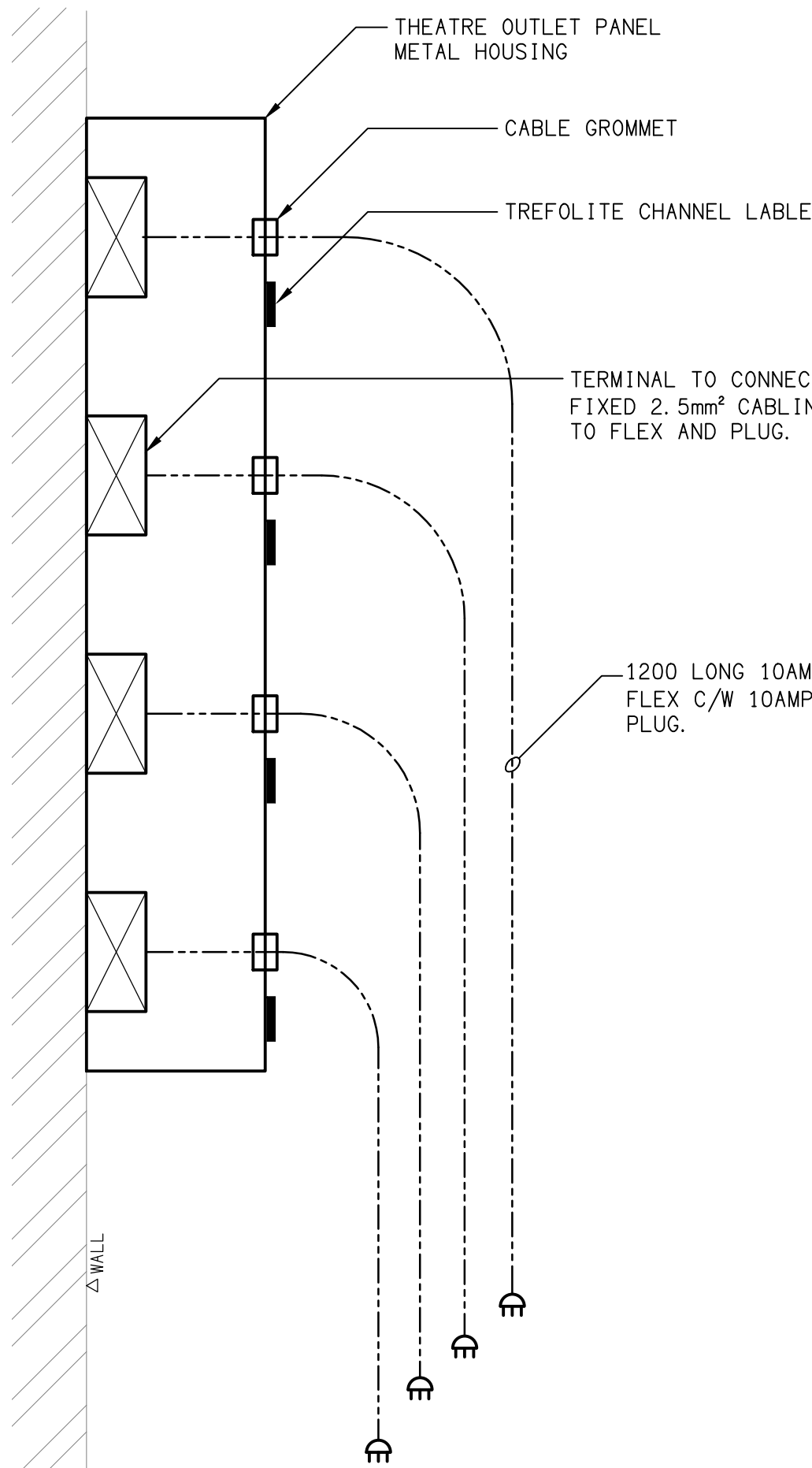
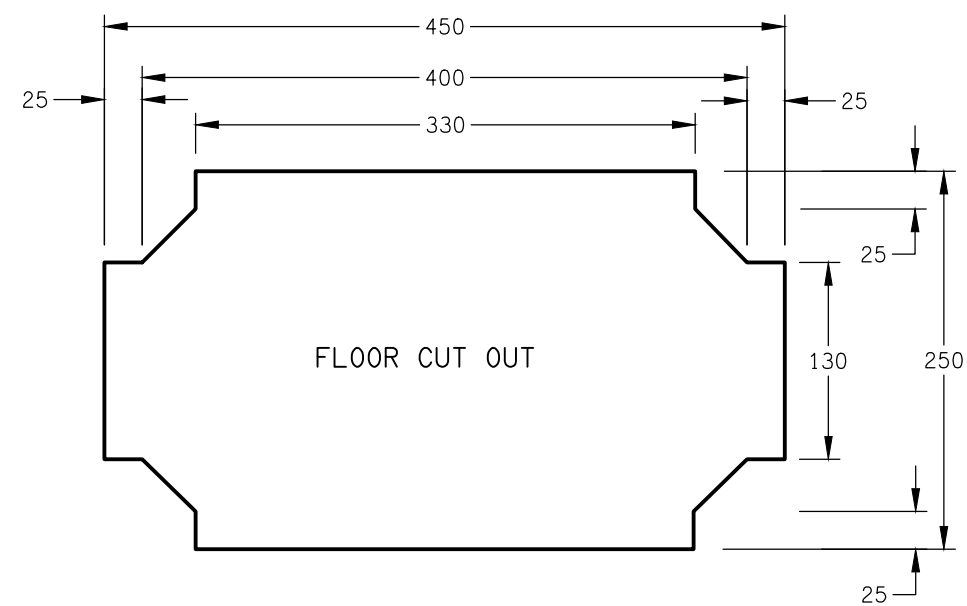
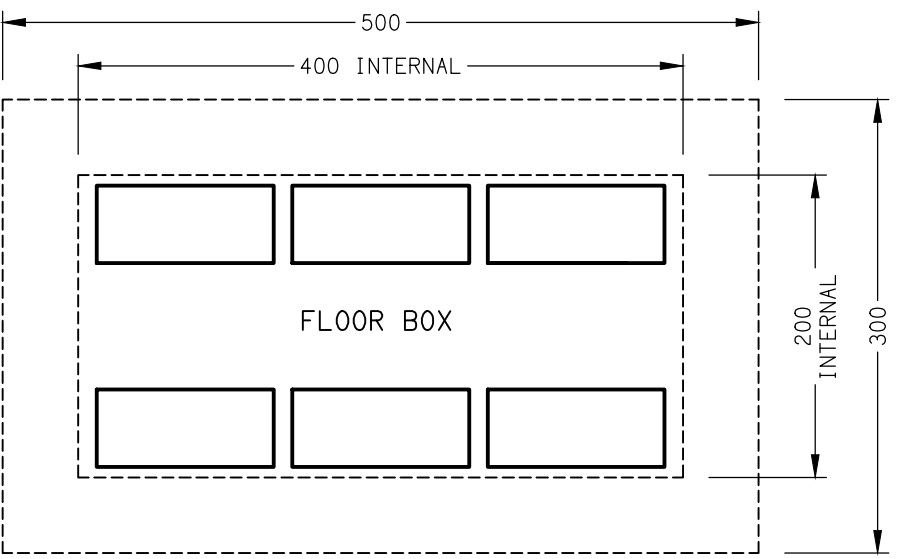
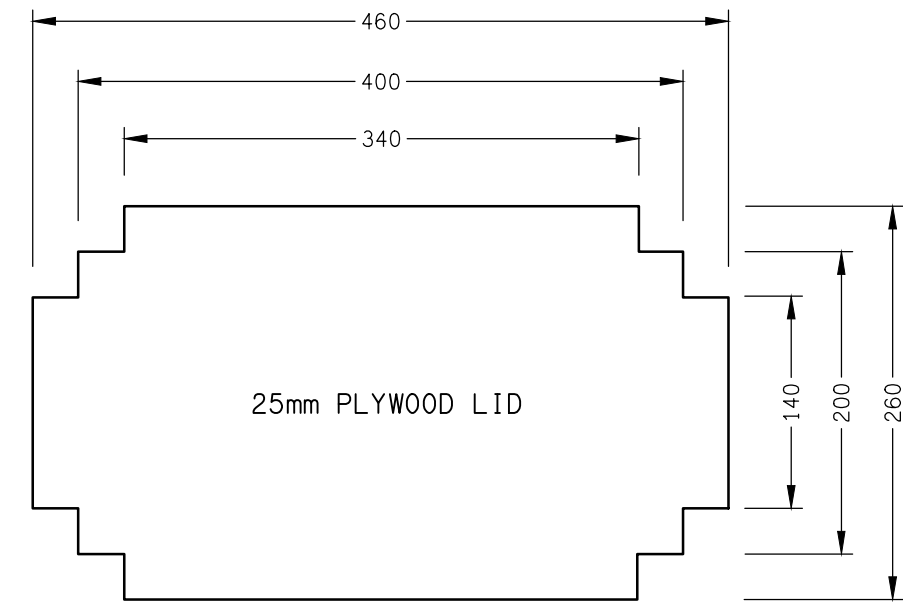
DETAIL B

CUSTOM FLOOR BOX FB2 SECTION 1  
NOT TO SCALE



DETAIL A

CUSTOM FLOOR BOX FB2 PLAN  
NOT TO SCALE



DETAIL

THEATRE OUTLET PANEL SECTION  
NOT TO SCALE

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PTY LTD  
ACN 092 710 793

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PROJECT:

**KINGS CHRISTIAN COLLEGE  
CHAMBERS FLAT, MIDDLE SCHOOL CHA16  
AUDITORIUM**  
38-112 ANZAC AVENUE, CHAMBERS FLAT

A	TENDER	28/05/2026
REV:	DESCRIPTION:	DATE:

DRAWING:

**ELECTRICAL SERVICES  
LEGEND & DETAILS**

SCALE:  
NOT TO SCALE AT A1

PROJECT NO:  
**C3777a**

DRAWING NO:  
**E01**

REVISION:  
**A**



NOTES

1.0 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.
- UPDATE THE EXISTING AS BUILT DRAWINGS.
- UPDATE THE EXISTING MAINTENANCE MANUAL.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- PUBLIC ADDRESS.
- CUSTON FLOOR BOXES.
- 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.

UPDATE THE SCHOOLS EXISTING AS BUILT DOCUMENTS AND MAINTENANCE MANUAL TO INCLUDE THE NEW WORKS.

2.0 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 CONDUITS WILL NEED TO BE INCLUDED WITHIN THE PRECAST PANELS. 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.

3.0 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 PROJECT MANAGER 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.

4.0 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.

5.0 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

6.0 POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A NEW MCCB IN THE EXISTING COMMUNITY CENTRE MAIN SWITCHBOARD DB-3 AND SUBMAIN TO A NEW DISTRIBUTION BOARD DB-B. PROVIDE THEATRE POWER OUTLETS CABLED TO A CUSTOM THEATRE OUTLET PANEL. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- POWER DISTRIBUTION.
- EARTHING.
- NEW MCCB TO SUPPLY DB-B
- NEW SUBMAINS FROM DB-3 TO DB-B.
- DISTRIBUTION BOARD DB-B.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- THEATRE OUTLETS.
- THEATRE OUTLET PANEL.
- TESTING AND COMMISSIONING.
- SWITCHBOARD SHOP DRAWING.
- CABLE ACCESS WAYS.
- REMOVAL OF ALL EXISTING POWER SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

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

PROVIDE THE NEW DISTRIBUTION BOARD AS FOLLOW:

- IP44.
- LIGHT GREY ENCLOSURE WHITE ESCUTCHEON.
- 3 POINT LOCKABLE HANDLES ON ALL DOORS.
- LIFT OFF HINGES ON ALL DOORS AND ESCUTCHEONS.
- 1/4 TURN LATCHES AND D HANDLES ON ALL ESCUTCHEONS.
- ALL SWITCHGEAR IS TO TO MATCH THE EXISTING MANUFACTURE USED IN DB-3.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.

7.0 LIGHTING

THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES INTERNAL LIGHTING TO ALL AREAS OF THE BUILDING BEING RENOVATED INCLUDING GENERAL LIGHTING, HOUSE LIGHTING, 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. THE AUDITORIUM LIGHTING IS TO BE PROVIDED WITH A PHILIPS DYNALITE LIGHTING CONTROL SYSTEM COMMISSIONED AND PROGRAMMED BY SMARTSCAPE QUEENSLAND AT PRACTICAL COMPLETION AND AGAIN AT 3THREE MONTHS POST PRACTICAL COMPLETION. ALL LIGHT SOURCES ARE TO BE SOLID STATE LED WITH A 5-YEAR MANUFACTURERS 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:

- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.
- SINGLE POINT EMERGENCY LIGHTING SYSTEM.
- REMOVAL OF ALL EXISTING LIGHTING THAT BECOME REDUNDANT DUE TO THE WORKS.

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.

NOTES

8.0 COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES CAT 6 RJ45 OUTLETS CABLED TO MODULAR PATCH PANELS IN THE EXISTING COMMUNICATIONS RACK CR-A AND THE THEATRE RACK AV-2 VIA CAT 6 UTP CABLING. PROVIDE ADDITIONAL PATCH PANELS AND A FOBOT IN CR-A TO ACCOMMODATE THE NEW OUTLETS CABLED TO CR-A AND THE AV-2 TO CR-A FIBRE. PROVIDE PATCH PANELS WITHIN AV-2 TO ACCOMMODATE THE OUTLETS CABLED TO AV-2. A NEW UNDERBENCH RACK AV-3 IS TO BE PROVIDED AS PAR OF THE ELECTRICAL SUBCONTRACT WORKS. THE NEW PATCH PANELS ARE TO MATCH THE EXISTING USED IN CR-A. THE COMMUNICATIONS CABLING IS TO BE OF THE SAME EXISTING STRUCTURED CABLING SOLUTION USED AND BE PROVIDED WITH A MANUFACTURERS 15 YEAR WARRANTY.

PROVIDE A FOBOT IN AV-2 AND AV-3. CONNECT AV-2 TO AV-3 AND AV-2 TO CR-A VIA 6 CORE SINGLE MODE LC TERMINATED FIBRE CABLES.

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

- CAT 6A STP COMMUNICATIONS OUTLETS, CABLING AND PATCH PANELS.
- CAT 6 UTP COMMUNICATIONS OUTLETS, CABLING AND PATCH PANELS
- PATCH PANELS.
- RACK AV-3.
- FOBOTS.
- OPTICAL FIBRE CABLE CONNECTION AV-2 TO AV-3.
- OPTICAL FIBRE CABLE CONNECTION AV-2 TO CR-A.
- LABELLING.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING COMMUNICATIONS SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

ALL COMMUNICATIONS CABLING IS TO BE UNDERTAKEN BY AN ACMA LICENCE HOLDER. THE PATCH LEADS, FLY LEADS, POE SWITCH AND UPS WILL BE PROVIDED BY THE SCHOOL.

THE THEATRE RACKS AV-1, AND AV-2 WILL BE PROVIDED BY THE SCHOOL.

9.0 PUBLIC ADDRESS SYSTEM

THE PUBLIC ADDRESS SYSTEM COMPONENT OF THIS CONTRACT INCLUDES A TWO ZONE MULTI TAP 100V SPEAKER SYSTEM WITH THE ZONE 1 POWER AMPLIFIER MOUNTED WITH IN THE TOP OF THE AV RACK AV-2 AND THE ZONE 2 POWER AMPLIFIER MOUNTED IN THE COMMUNICATIONS RACK CR-A. 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.
- TWO RACK MOUNTED AMPLIFIERS.
- 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.

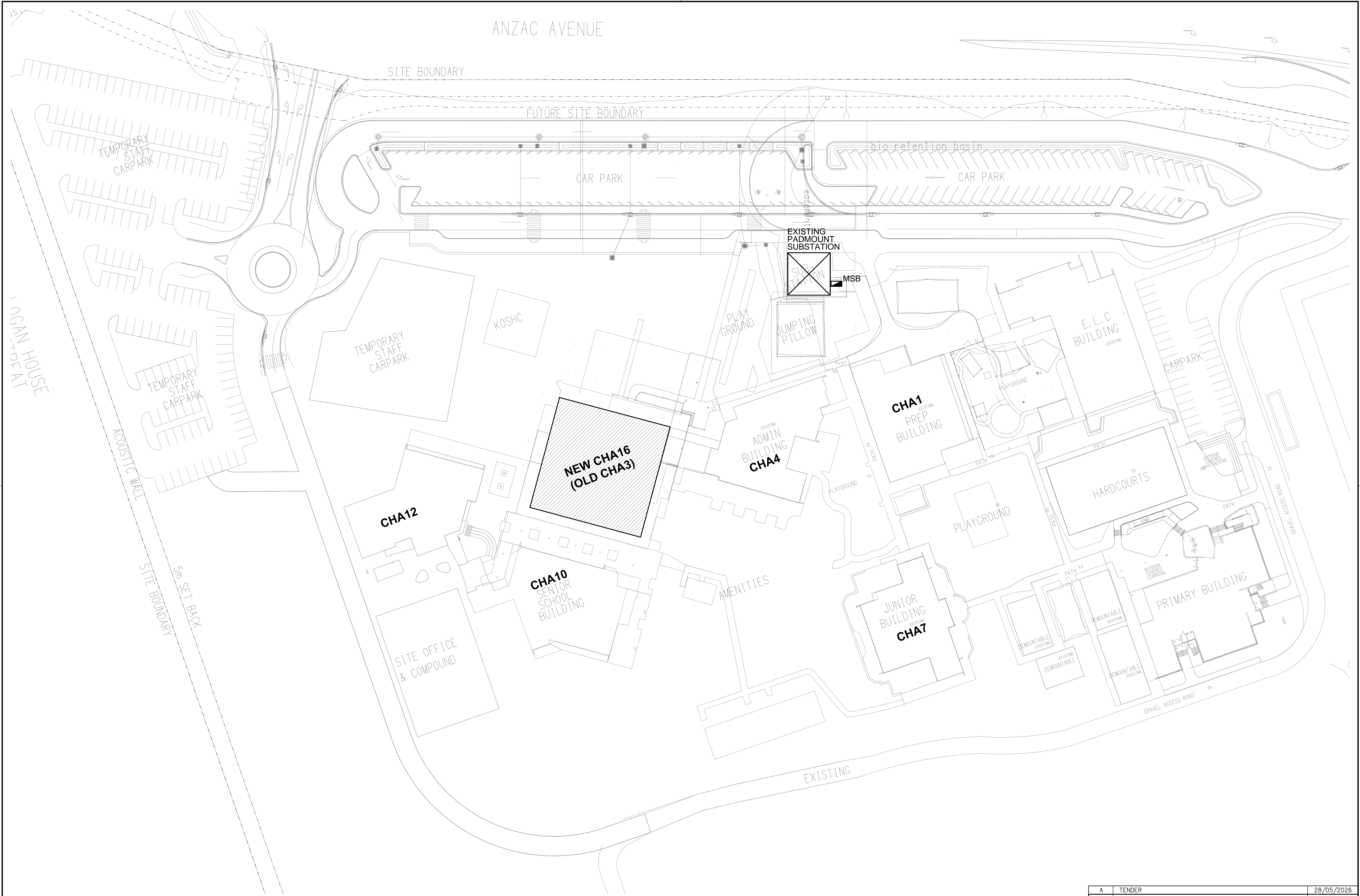
ALL PUBLIC ADDRESS SYSTEM WORKS MUST BE UNDERTAKEN BY AN ACMA LICENCE HOLDER. THE AUDIO / IP CONVERTERS, THE CONNECTION OF THE AMPLIFIERS TO THE AUDIO / IP CONVERTERS AND PATCH LEADS WILL BE PROVIDED BY THE COLLEGE.

10. ABBREVIATIONS

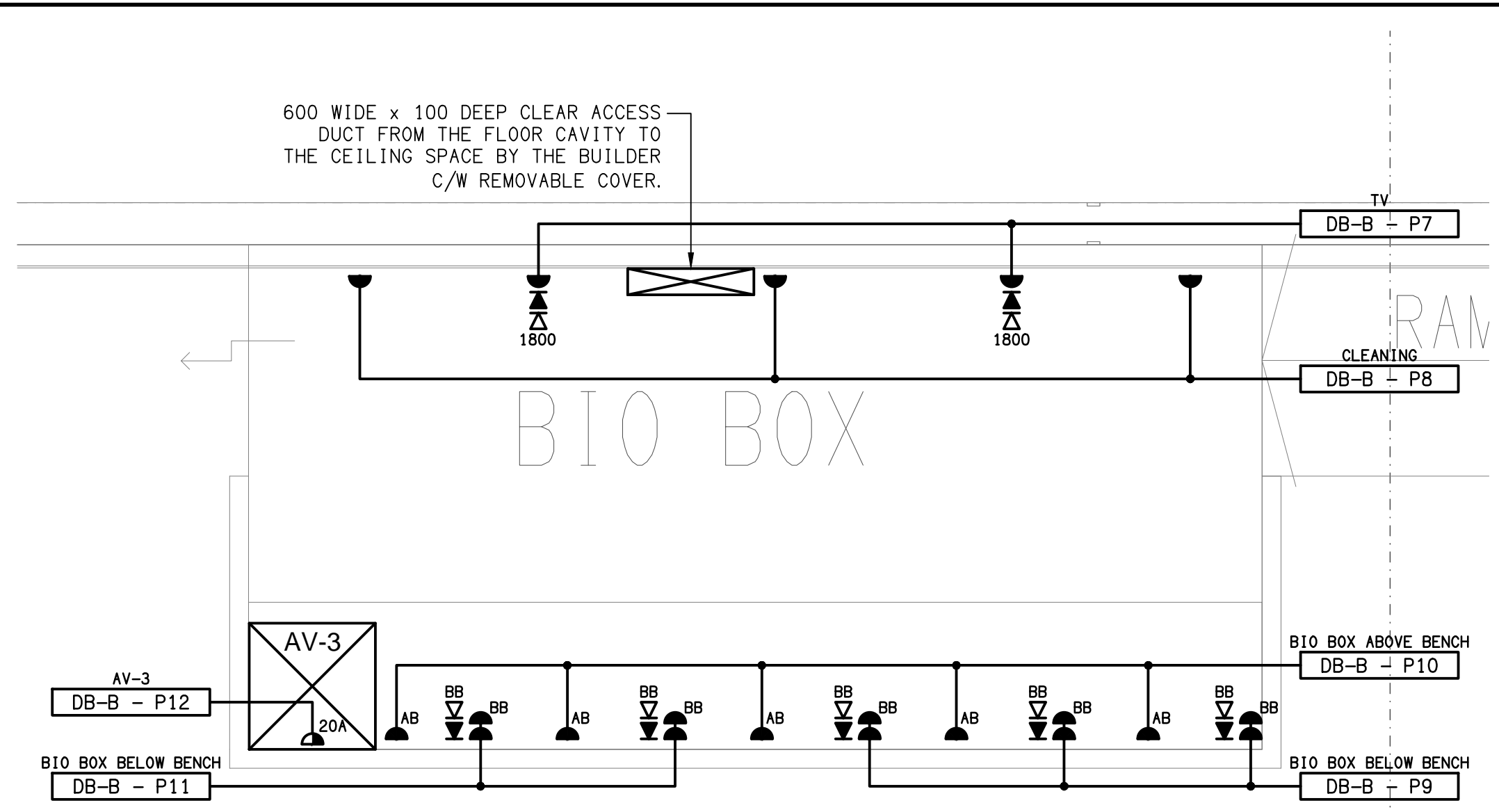
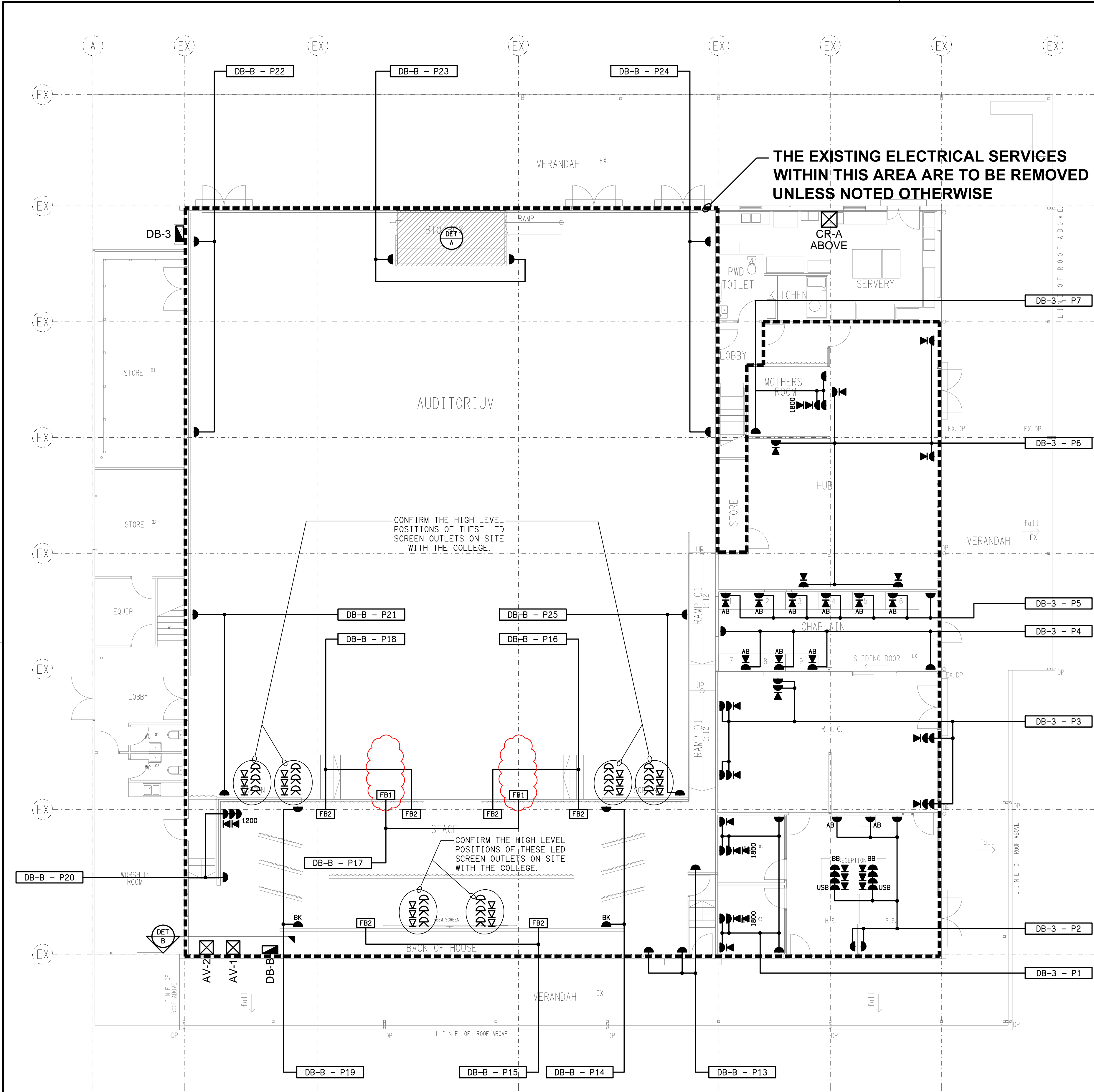
- A - AMP CURRENT RATING
- AB - MOUNT ABOVE BENCH.
- AFFL - ABOVE FINISHED FLOOR LEVEL.
- BB - MOUNT BELOW BENCH.
- BH - MOUNT ON BULKHEAD.
- CEIL - MOUNT ON CEILING.
- CS - MOUNT WITHIN CEILING SPACE.
- C/W - COMPLETE WITH.
- DW - DISHWASHER.
- MCCB - MOULDED CASE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- MSSB - MECHANICAL SERVICES SWITCHBOARD.
- MW - MICROWAVE.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- RCBO - CIRCUIT BREAKER C/W INTEGRAL A 30mA RESIDUAL CURRENT DEVICE.
- REF - REFRIGERATOR.
- UNO - UNLESS NOTED OTHERWISE.
- WP - WEATHERPROOF TO IP56 UNO.
- 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

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TRADING AS: ELECTRICAL DESIGN GROUP		USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.						REV: DESCRIPTION: DATE:	
		ALL DIMENSIONS TO BE VERIFIED ONSITE.						DRAWING: ELECTRICAL SERVICES NOTES	
								SCALE: NOT TO SCALE AT A1	
								PROJECT NO: C3777a	
								DRAWING NO: E02	
								REVISION: A	

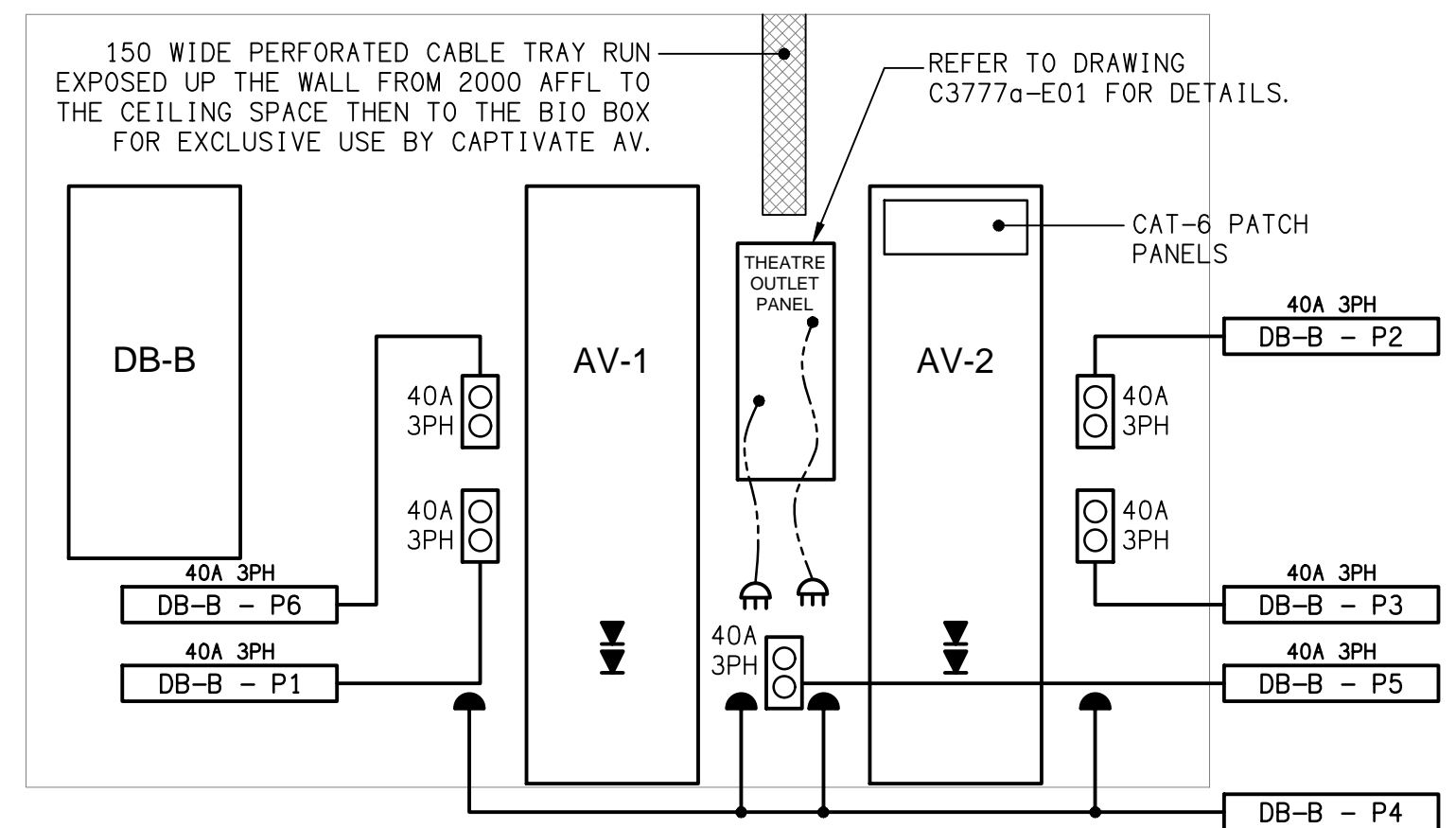




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**DETAIL A**  
BIO BOX FLOOR PLAN  
SCALE 1:25



**DETAIL B**  
STAGE EQUIPMENT WALL ELEVATION  
SCALE 1:25



