

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3390a - HILLBROOK - 2024 MINOR WORKS

C3390a-0001(B).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION B - 06 NOVEMBER 2024

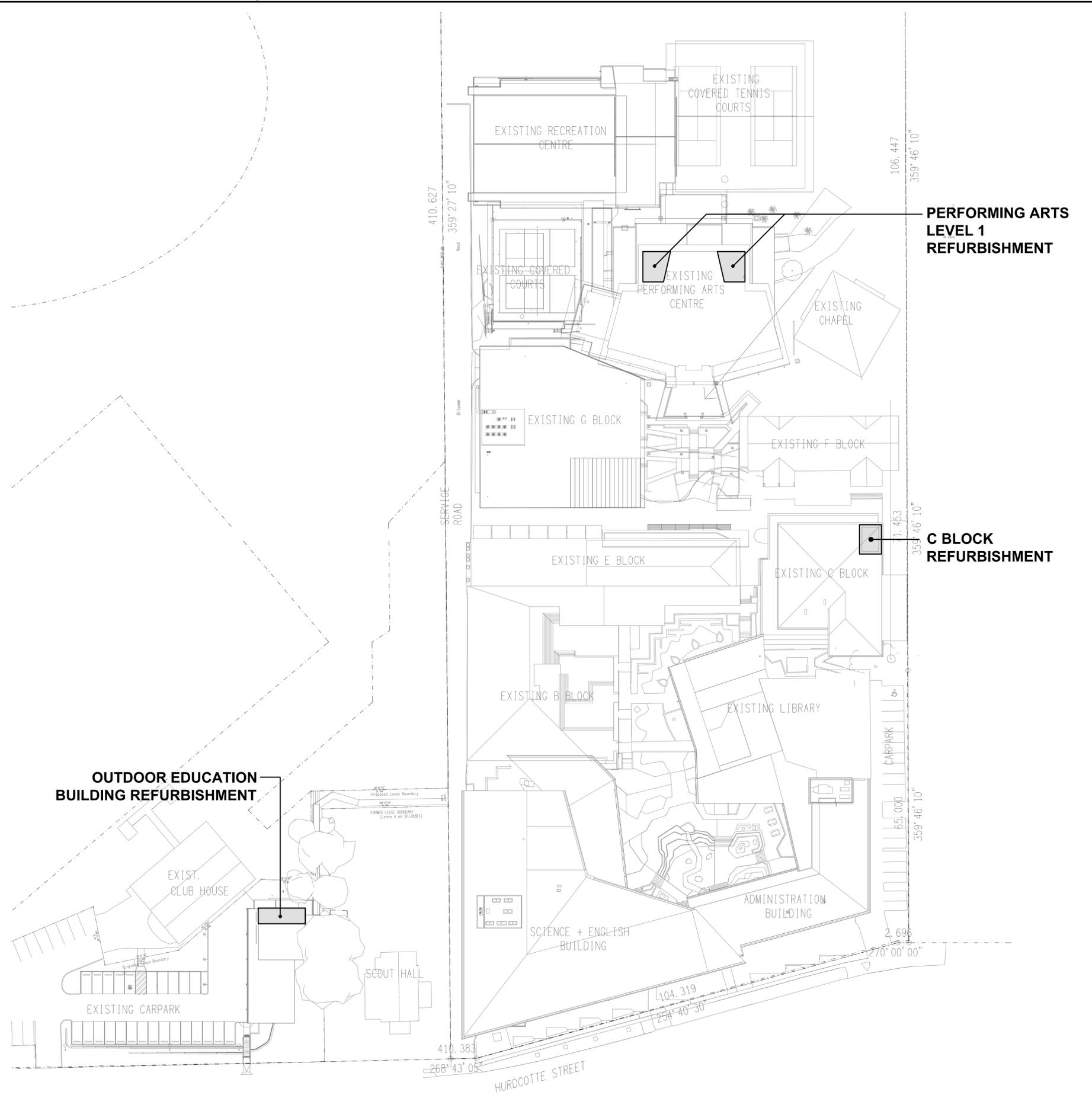
ISSUING INFORMATION				DATE OF ISSUE								
	DAY	05	06									
	MONTH	11	11									
	YEAR	24	24									
REASON FOR ISSUE				T	T							
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY		T = TENDER				

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DOCUMENTS		REVISION										
C3390a-E01.dwg	LEGEND & SITE PLAN	A										
C3390a-E02.dwg	NOTES	A										
C3390a-E03.dwg	BLOCK C & OUTDOOR EDUCATION PLANS	A	B									
C3390a-E04.dwg	PAC PLANS	A										
C3390a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B									

LEGEND

-  SINGLE 10 AMP POWER OUTLET MOUNTED AT 300 AFFL UNLESS NOTED OTHERWISE. MOUNT AB OUTLETS 150 ABOVE BENCH. MOUNT OUTLETS WITH A NUMERIC VALUE AT THAT HEIGHT ABOVE THE FLOOR AND THE OUTLETS DESIGNATED CS WITHIN THE CEILING SPACE. CLIPSAL C2000 WHITE
-  DOUBLE 10 AMP POWER OUTLET. MOUNTED AT 300 AFFL UNLESS NOTED OTHERWISE. MOUNT AB OUTLETS 150 ABOVE BENCH. MOUNT OUTLETS WITH A NUMERIC VALUE AT THAT HEIGHT ABOVE THE FLOOR AND THE OUTLETS DESIGNATED CS WITHIN THE CEILING SPACE.
-  SINGLE PHASE 20 AMP IP66 ISOLATOR CONNECTED TO THE ASSOCIATED EQUIPMENT VIA A SMOOTH FLEXIBLE CONDUIT.
-  RJ45 CAT 6A SHIELDED COMMUNICATIONS OUTLET MOUNTED AT 300 AFFL UNLESS NOTED OTHERWISE. MOUNT AB OUTLETS 150 ABOVE BENCH. MOUNT OUTLETS WITH A NUMERIC VALUE AT THAT HEIGHT ABOVE THE FLOOR AND THE OUTLETS DESIGNATED CS WITHIN THE CEILING SPACE. CLIPSAL C2000 WHITE FACEPLATE. CABLE EACH OUTLET BACK VIA CAT 6A STP CABLING TO THE LOCAL PATCH PANEL. THE COMMUNICATIONS CABLING AND OUTLETS ARE TO BE CLIPSAL OR MOLEX.
-  ONE-WAY LIGHT SWITCH MOUNTED AT 1000 AFFL CLIPSAL C2000 WHITE 30USM
-  L1: 1200 X 300 4000K LED FLAT PLATE TROFFER C/W RECESSED PLASTER KIT AND A REMOTE DRIVER. SURFACE MOUNTED BATTEN C/W ADJUSTABLE INTEGRAL OCCUPANCY SENSOR AND DRIVER. GAMMA ILLUMINATION AXIS 1549-4K-34W C/W FLUSH RECESS PB KIT WHITE TRIM
-  L2: 1200 LONG IP66 4000K 4000 LUMEN +/- 10% LED SURFACE MOUNTED BATTEN C/W ADJUSTABLE INTEGRAL OCCUPANCY SENSOR AND DRIVER.
-  L3: 1200 LONG IP66 4000K 4000 LUMEN +/- 10% LED SURFACE MOUNTED BATTEN C/W INTEGRAL DRIVER.
-  L4: SURFACE MOUNTED IP66 WHITE EXTRUSION FIXED TO THE UNDERSIDE OF THE BEAM AS PER THE ARCHITECTURAL DETAIL. THE FITTING IS TO SPAN THE FULL WIDTH OF THE WALKWAY HARD BETWEEN THE COLUMNS. PROVIDE THE FITTING WITH A REMOTE DRIVER LOCATED IN A CONCEALED ACCESSIBLE POSITION. KLIK SYSTEMS EKKO 026 BEAM D 1500 LUMEN 4000K.
-  L5: 600 X 300 4000K LED FLAT PLATE TROFFER C/W SURFACE MOUNTING KIT AND DRIVER. THE L5 IS TO MATCH THE EXISTING ADJACENT 1200 X 300 LED FLAT PLATE TROFFERS.
-  L6: BLUE LED STRIP IN A WALL MOUNTED HANECO PLAXCNR-SMRND EXTRUSION WITH A REMOTE DRIVER LOCATED IN A CONCEALED ACCESSIBLE POSITION. CONFIRM THE MOUNTING HEIGHT ON SITE WITH THE SCHOOL. UTILISE THE STAGE WINGS EXISTING BLUE LIGHT CIRCUIT / CONTROL TO SUPPLY THE NEW BLUE LIGHTS.
-  L7: SUSPENDED LED HIGH BAY LIGHT TO MATCH THE EXISTING HIGH BAY LIGHTS LOCATED OVER THE STAGE. UTILISE THE STAGE WINGS EXISTING WHITE LIGHT CIRCUIT / CONTROL TO SUPPLY THE NEW L7 HIGH BAY LIGHTS.
-  L8: 1200 LONG IP66 4000K 4000 LUMEN +/- 10% LED SURFACE MOUNTED BATTEN C/W INTEGRAL DRIVER AND A NON-MAINTAINED AS2293 EMERGENCY PACK. THE L8 FITTINGS ARE TO BE UNSWITCHED AND ARE TO ONLY OPERATE UPON MAINS FAILURE.
-  PROVIDE A WALL MOUNTED METAL LIGHT GREY ENCLOSURE C/W LOCKABLE DOOR AS A 240 VOLT TERMINATION PANEL CONTAINING DIN RAIL MOUNTED SCREW TERMINAL BLOCKS WITH A MINIMUM SIZE OF 2.5MM. REDIRECT ALL OF THE EXISTING 240 VOLT CABLING THAT PASSES THROUGH THE CEILING SPACE ABOVE THE RIGHT HAND STAGE WING TO THE TERMINAL PANEL. EXTEND ALL OF THE 240 VOLT CABLING FROM THE TERMINAL PANEL TO THE DISTRIBUTION BOARD VIA NEW CABLING RUN ON A NEW HIGH LEVEL BLACK CABLE TRAY. CONFIRM THE POSITION OF THE TERMINAL PANEL ON SITE WITH THE SCHOOL. LABEL EACH CABLE / TERMINAL WITH THE SAME IDENTIFICATION AS THAT USED IN THE DISTRIBUTION BOARD. ENSURE THE TERMINATION PANEL CONTAINS 25% SPARE TERMINAL PORTS AT PRACTICAL COMPLETION. PROVIDE A SHOP DRAWING OF THE TERMINATION PANEL FOR APPROVAL.
-  CIRCUIT LINE WITH THE CABLING TO MATCH THE EXISTING WITH A MINIMUM SIZE OF 2.5mm.
-  SWITCH LINE.
-  LIGHTING CONTROL CHANNEL REFERENCE.



<p>ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793</p> <p>TRADING AS: ELECTRICAL DESIGN GROUP</p>	<p>THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP.</p> <p>USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.</p> <p>ALL DIMENSIONS TO BE VERIFIED ONSITE.</p>	<p>ELECTRICAL DESIGN GROUP ELECTRICAL BUILDING SERVICES CONSULTANTS BRISBANE GOLD COAST</p> <p>P.O. Box 15, Sherwood Q.4075 Phone: (07) 3278 4375 Email: brisbane@edg.net.au Web: www.edg.net.au</p>	<p>PROJECT: HILLBROOK - 2024 MINOR WORKS</p> <p>45 HURDCOTTE STREET, ENOGGERA</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">A</td> <td style="width: 85%;">TENDER</td> <td style="width: 10%;">05/11/2024</td> </tr> <tr> <td>REV:</td> <td>DESCRIPTION:</td> <td>DATE:</td> </tr> <tr> <td colspan="3">DRAWING: ELECTRICAL SERVICES LEGEND & SITE PLAN</td> </tr> <tr> <td>SCALE: 1:500</td> <td>PROJECT NO: C3390a</td> <td>DRAWING NO: E01</td> </tr> <tr> <td>AT A1</td> <td>REVISION: A</td> <td></td> </tr> </table>	A	TENDER	05/11/2024	REV:	DESCRIPTION:	DATE:	DRAWING: ELECTRICAL SERVICES LEGEND & SITE PLAN			SCALE: 1:500	PROJECT NO: C3390a	DRAWING NO: E01	AT A1	REVISION: A	
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SCALE: 1:500	PROJECT NO: C3390a	DRAWING NO: E01																	
AT A1	REVISION: A																		

NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES SUB-CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- CO-ORDINATION.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- ALL 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.

IN ADDITION TO THE WORKS DETAILED ON THE ELECTRICAL DOCUMENTS INCLUDE THE FOLLOWING ALLOWANCES TO INVESTIGATE AND RELOCATE EXISTING ELECTRICAL, COMMUNICATIONS, SECURITY AND AUDIO-VISUAL SERVICES THAT ARE NOT SHOWN FROM THE PAC STAGE WINGS:

- 120 HOURS OF LABOUR.
- A PROVISIONAL SUM OF \$20,000.00 PLUS GST FOR MATERIALS.

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.

REMOVE ALL OF THE EXISTING ELECTRICAL SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

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 RCBO 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 MODIFYING AND UPGRADING THE EXISTING DISTRIBUTION BOARDS TO ACCOMMODATE THE CHANGES AND NEW CIRCUITS. ALL OF THE EXISTING CIRCUITS THAT BECOME REDUNDANT ARE TO BE REMOVED AND THE LABELLING UPDATED. PROVIDE ALL NEW SWITCHGEAR AS REQUIRED TO MATCH THE EXISTING IN BRAND AND STYLE. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- POWER DISTRIBUTION.
- EARTHING.
- REMOVAL OF EXISTING REDUNDANT CIRCUITS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- CABLE ACCESS WAYS.
- TERMINATION PANEL.

ENSURE THAT POWER IS MAINTAINED TO THE REMAINING PARTS OF THE BUILDINGS THAT ARE NOT PART OF THE WORKS BETWEEN 6.00AM AND 11.00PM. ANY INTERRUPTIONS TO THE POWER SUPPLY MUST BE LIMITED TO LESS THAN FOUR HOURS BETWEEN 11.00PM AND 6.00AM AND THE SCHOOL MUST BE PROVIDED WITH TWO WEEKS NOTICE PRIOR TO THE INTERRUPTION.

REMOVE ALL OF EXISTING POWER CABLING AND COMPONENTS MADE REDUNDANT BY THE WORKS.

PROVIDE A WALL MOUNTED 240 VOLT CABLE TERMINATION PANEL IN THE RIGHT-HAND STAGE WING TO ALLOW THE EXISTING CEILING SPACE CABLING TO BE JOINED AND EXTENDED TO THE DISTRIBUTION BOARD VIA A NEW CABLE TRAY SYSTEM MOUNTED AT HIGH LEVEL.

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.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- EMERGENCY AND EXIT LIGHTING.
- TESTING AND COMMISSIONING.

ALL LIGHT FITTINGS MOUNTED IN OR ON A SUSPENDED CEILING ARE TO BE PROVIDED WITH A FLEX AND PLUG.

UTILISE THE EXISTING PACE STAGE WING LIGHTING CONTROL CHANNELS AND CIRCUITS TO SUPPLY THE NEW STAGE WING 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.

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.

REMOVE ALL OF EXISTING LIGHT FITTINGS, CONTROLS, CABLING AND COMPONENTS MADE REDUNDANT BY THE WORKS.

NOTES

8. COMMUNICATIONS

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES CAT 6 CABLING AND OUTLETS AND RELOCATING / REPLACING THE EXISTING PACE STAGE WING AUDIO-VISUAL AND SECURITY CABLING TO FACILITATE THE REMOVAL OF THE SUSPENDED CEILING. THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- CAT 6 OUTLETS.
- PATCH PANELS AS REQUIRED.
- CABLING.
- TESTING AND COMMISSIONING.
- PAC STAGE WING CABLING MODIFICATION.

ENSURE THAT ALL EXISTING COMMUNICATIONS SERVICES OUTSIDE OF THE WORKS AREA REMAIN OPERATIONAL AT ALL TIMES.

REMOVE ALL OF EXISTING COMMUNICATIONS CABLING, OUTLETS AND COMPONENTS MADE REDUNDANT BY THE WORKS.

LABEL THE COMMUNICATIONS OUTLETS USING THE SCHOOLS STANDARDIZED NAMING AND NUMBERING SYSTEM BASED ON THE PATCH PANELS IN THE COMMUNICATIONS ROOM AND BUILDING WITH THE FOLLOWING FORMAT:
PATCH PANEL ID PORT NUMBER

- PATCH PANEL ID: A UNIQUE IDENTIFIER FOR EACH PATCH PANEL IN THE COMMS ROOM (E.G., A, B, C).
- PORT NUMBER: THE SPECIFIC PORT NUMBER ON THE PATCH PANEL (E.G., 1, 2, 3, 4, 5).

ENSURE EACH OUTLET IS UNIQUELY IDENTIFIED CORRESPONDING TO ITS PATCH PANEL AND PORT NUMBER.

THE COMMUNICATIONS OUTLET LABELS MUST BE:

- CLEAR AND LEGIBLE: UTILIZE EASY-TO-READ FONTS AND SIZES.
- DURABLE: PRINTED ON MATERIALS RESISTANT TO FADING, SMEARING, OR PEELING OVER TIME.
- CONSISTENTLY PLACED: LOCATED ON BOTH THE FACEPLATE OF THE OUTLET AND THE CORRESPONDING PORT ON THE PATCH PANEL.
- INCLUDE THE FULL IDENTIFIER (E.G., A1, B3) ON ALL LABELS.

UPDATE THE SCHOOLS NETWORK DIAGRAMS AND DOCUMENTATION TO REFLECT THE CHANGES TO THE EXISTING AND NEW COMMUNICATIONS OUTLETS. PROVIDE A LIST CORRELATING EACH OUTLET'S IDENTIFIER WITH ITS PHYSICAL LOCATION AND INTENDED USE. PROVIDE A WIRING SCHEDULE OF THE COMMUNICATIONS OUTLETS INCLUDING:

- OUTLET NUMBER. EXAMPLE (3)
- OUTLET MODEL. EXAMPLE (CLIPSAL C2000)
- OUTLET MOUNTING ARRANGEMENT. EXAMPLE (WALL)
- OUTLET NAMING CONVENTION. EXAMPLE (A3)

A	TENDER	05/11/2024
REV:	DESCRIPTION:	DATE:

DRAWING:	ELECTRICAL SERVICES NOTES	
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SCALE:	PROJECT NO:	DRAWING NO:	REVISION:
NOT TO SCALE AT A1	C3390a	E02	A

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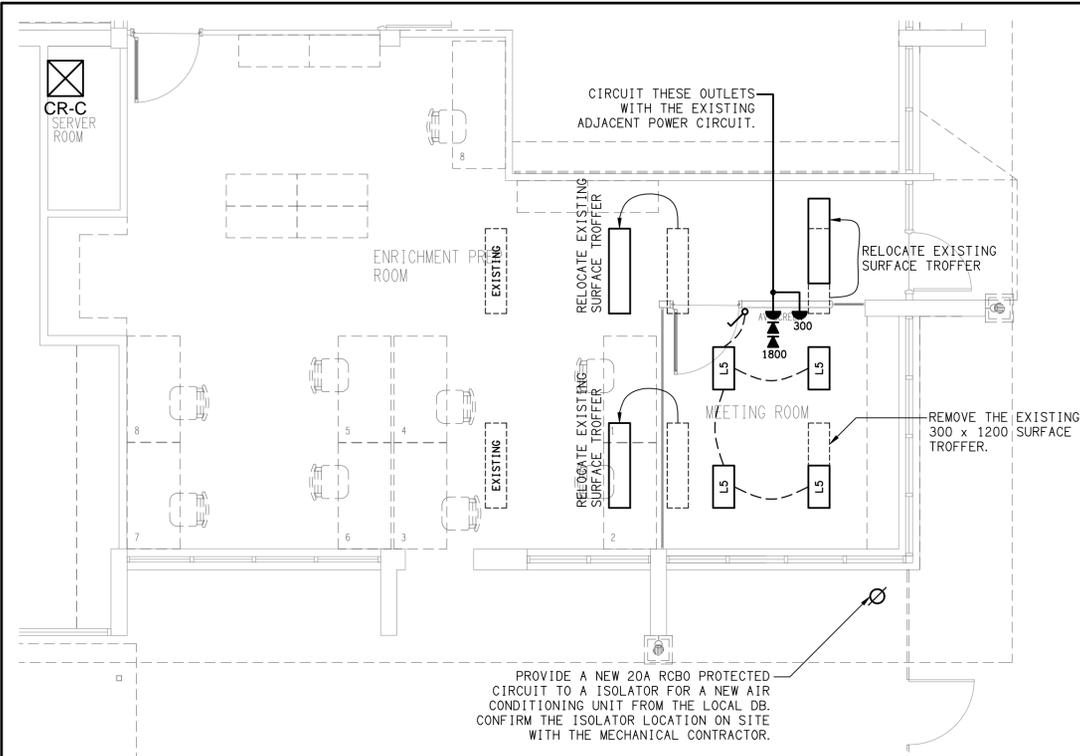
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BRISBANE GOLD COAST

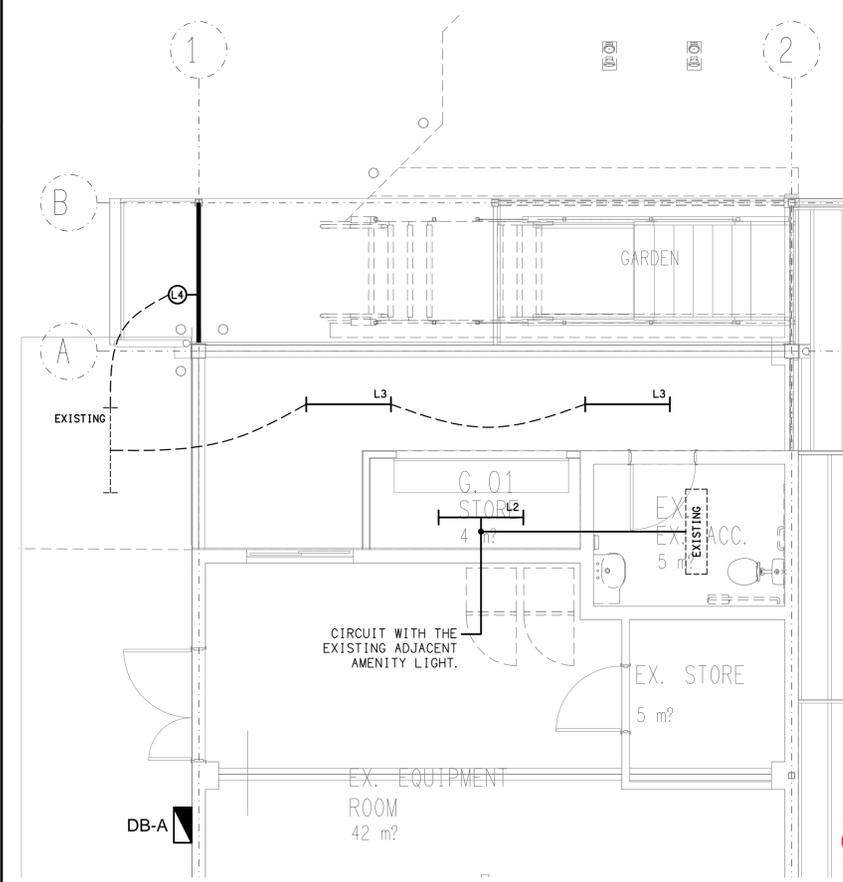
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PROJECT:
HILLBROOK - 2024 MINOR WORKS

45 HURDCOTTE STREET, ENOGGERA

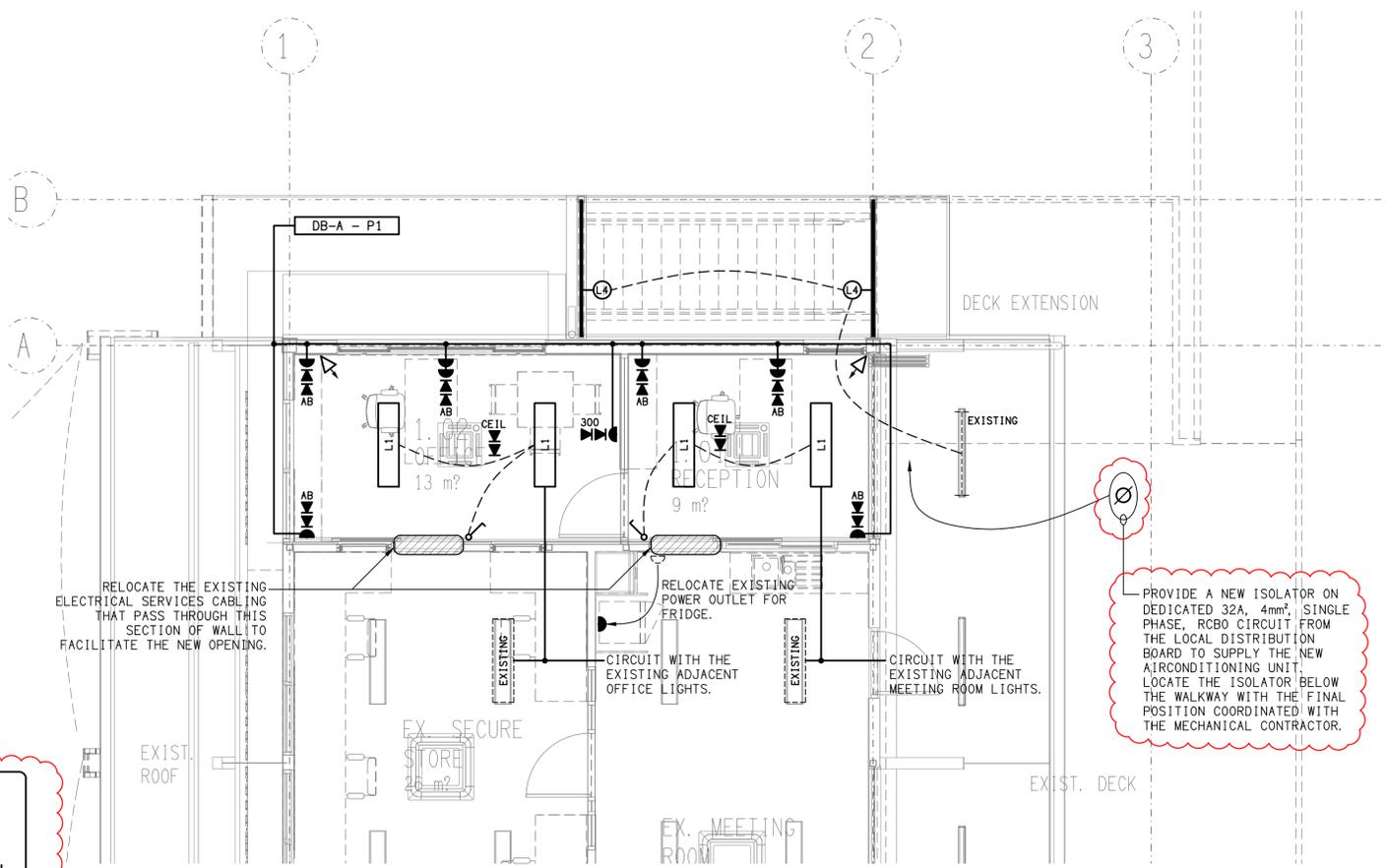


BLOCK C
FLOOR / REFLECTED CEILING PLAN
SCALE 1:50



OUTDOOR EDUCATION GROUND
FLOOR / REFLECTED CEILING PLAN
SCALE 1:50

NOTE:
PROVIDE THE COMMUNICATIONS OUTLETS WITHIN THE OUTDOOR EDUCATION BUILDING AS SHIELDED CAT-6A. PROVIDE THE ASSOCIATED RACK WITH A CAT-6A PATCH PANEL.



OUTDOOR EDUCATION LEVEL 1
FLOOR / REFLECTED CEILING PLAN
SCALE 1:50

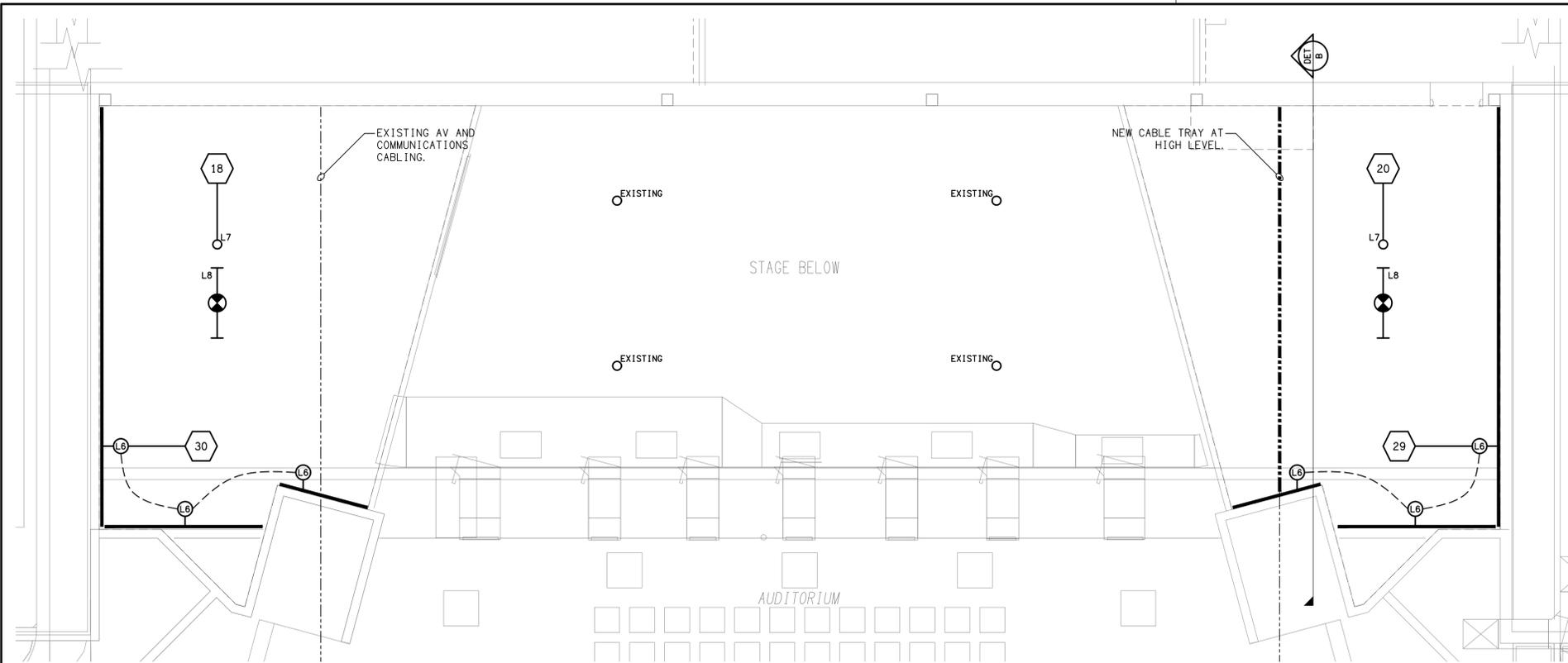
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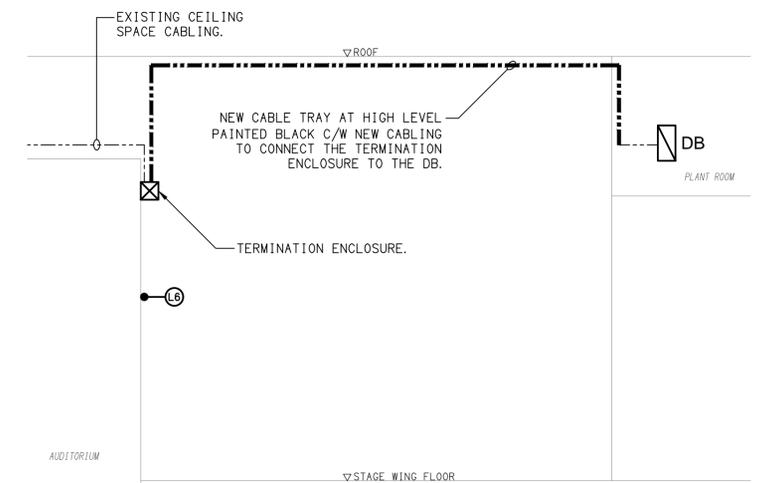
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HILLBROOK - 2024 MINOR WORKS
45 HURDCOTTE STREET, ENOGGERA

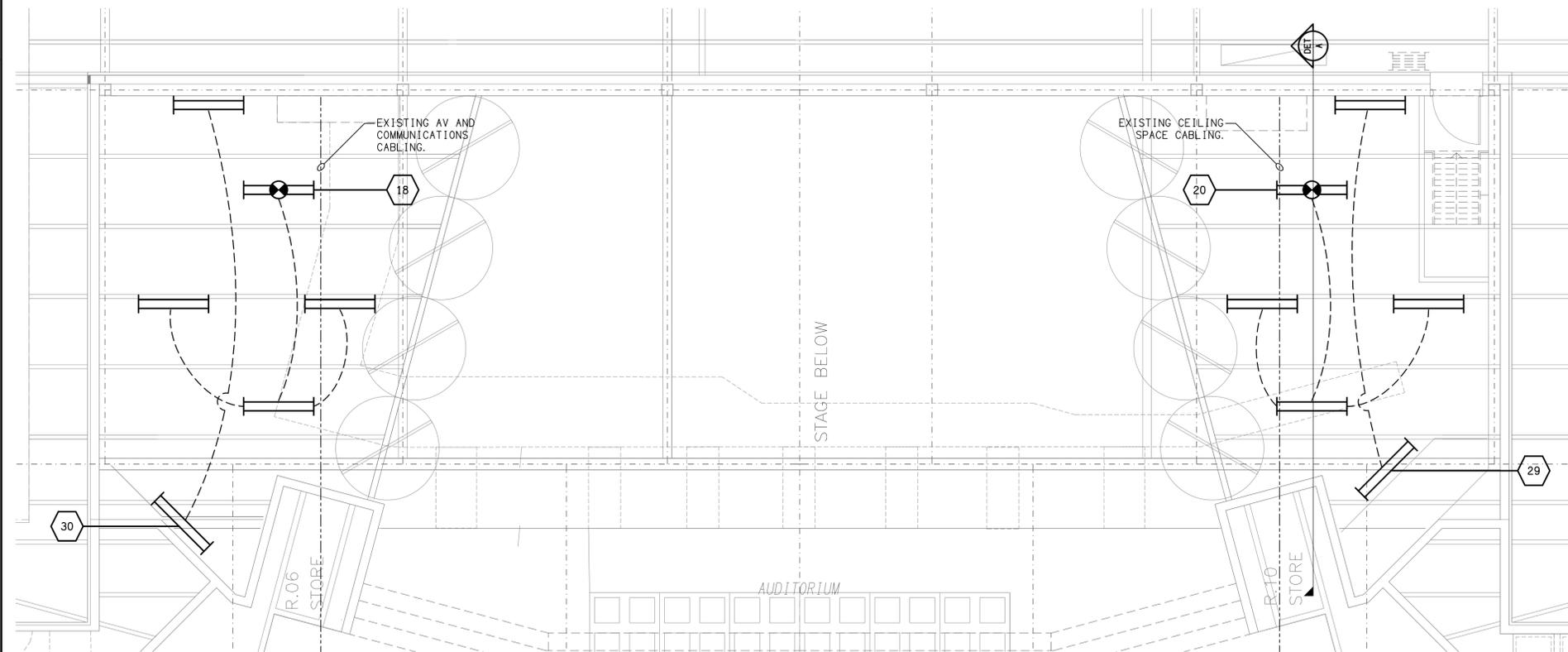
B	TENDER	06/11/2024
REV.	DESCRIPTION:	DATE:
DRAWING: ELECTRICAL SERVICES BLOCK C & OUTDOOR EDUCATION PLANS		
SCALE: 1:50	AT A1	PROJECT NO: C3390a DRAWING NO: E03 REVISION: B



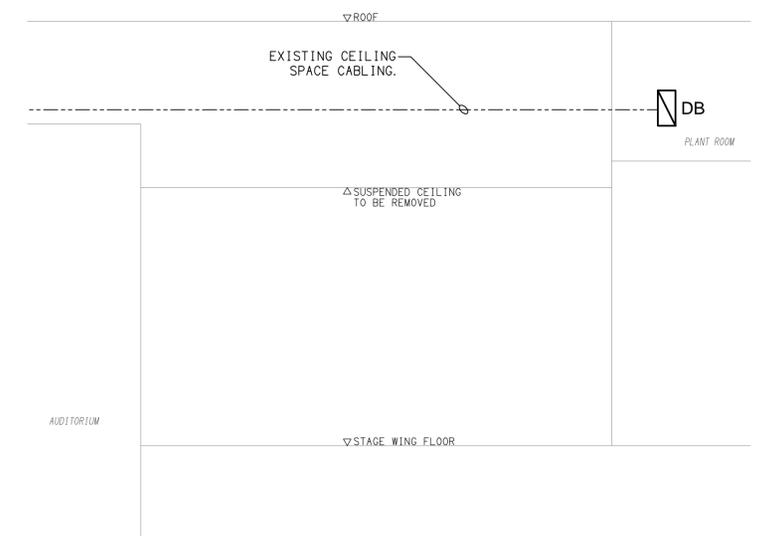
PROPOSED PLAN
 LEVEL 1 STAGE WINGS REFURBISHMENT
 SCALE 1: 50



DETAIL B
 PROPOSED LEVEL 1 STAGE WING SECTION
 NOT TO SCALE



EXISTING PLAN
 LEVEL 1 STAGE WINGS REFURBISHMENT
 SCALE 1: 50



DETAIL A
 EXISTING LEVEL 1 STAGE WING SECTION
 NOT TO SCALE

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 ELECTRICAL BUILDING SERVICES CONSULTANTS
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PROJECT:
HILLBROOK - 2024 MINOR WORKS

45 HURDCOTTE STREET, ENOGGERA

A	TENDER	05/11/2024
REV.	DESCRIPTION:	DATE:

DRAWING:
**ELECTRICAL SERVICES
 PAC PLANS**

SCALE:
 1:50

AT A1

PROJECT NO:
C3390a

DRAWING NO:
E04

REVISION:
A