



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3593a - BREAKFAST CREEK HOTEL - GAMING ROOM

C3593a-0001(A).xls

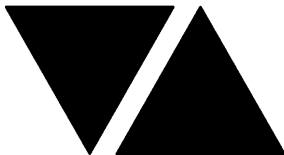
ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION A - 11 JULY 2025

ISSUING INFORMATION				DATE OF ISSUE							
	DAY	MONTH	YEAR	11							
				07							
				25							
				P							
REASON FOR ISSUE											
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY		T = TENDER			

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DOCUMENTS		REVISION							
C3593a-E01.dwg	LEGEND & DETAILS	A							
C3593a-E02.dwg	NOTES	A							
C3593a-E03.dwg	GAMING ROOM 1 FLOOR PLAN	A							
C3593a-E04.dwg	GAMING ROOM 1 REFLECTED CEILING PLAN	A							
C3593a-E05.dwg	GAMING ROOM 2 PLANS	A							
C3593a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A							
C3593a-0002.xls	EQUIPMENT SCHEDULE	A							
C3593a-0004.xls	LIGHTING CONTROL SCHEDULE	A							
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C3593a-0006.xls	DISTRIBUTION BOARD DB-T SCHEDULE	A							
C3593a-0001.zip	FITTING & OUTLET DATASHEETS								



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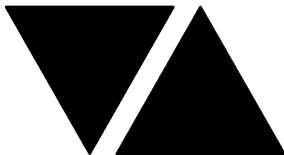
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## ELECTRICAL EQUIPMENT SCHEDULE

REVISION A - 11 JULY 2025

THE LIGHT FITTING SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK  
[www.edg.net.au/Links/Lighting.htm](http://www.edg.net.au/Links/Lighting.htm)

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
S1	12W/M 2700K LED	VERTICAL AND HORIZONTAL FLEXIBLE LED ROPE AS PER THE S1 DETAIL SCREW FIXED RECESSED INTO A RECESSES IN THE ENTRY PORTAL AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S2	12W/M 2700K LED	VERTICAL AND HORIZONTAL FLEXIBLE LED ROPE AS PER THE S2 DETAIL SCREW FIXED RECESSED INTO A RECESSES IN THE ENTRY PORTAL AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S3	12W/M 2700K LED	VERTICAL AND HORIZONTAL FLEXIBLE LED ROPE AS PER THE S3 DETAIL SCREW FIXED RECESSED INTO A RECESSES IN THE ENTRY PORTAL AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S4	12W/M 2700K LED	VERTICAL AND HORIZONTAL FLEXIBLE LED ROPE AS PER THE S4 DETAIL SCREW FIXED RECESSED INTO A RECESSES IN THE ENTRY PORTAL AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S5	7W/M 3000K LED	LED STRIP WITHIN A SCREW FIXED EXTRUSION C/W DIFFUSER MOUNTED WITHIN THE CEILING CURTAIN PELMET AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A



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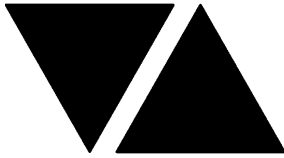
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
S6	7W/M 3000K LED	LED STRIP WITHIN A SCREW FIXED EXTRUSION C/W DIFFUSER MOUNTED ALONG ALL FOUR SIDES OF THE TV AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A
S7	12W/M 2700K LED	FLEXIBLE LED ROPE FLEX SCREW FIXED RECESSED INTO THE CEILING PELMET AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S8	12W/M 2700K LED	FLEXIBLE LED ROPE FLEX SCREW FIXED WITHIN THE GAMING BASE AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	NPA L-NF-GLOW-VWW + POWER SUPPLY & DALI CONTROLLER	A
S9	7W/M 3000K LED	LED STRIP WITHIN A SCREW FIXED EXTRUSION C/W DIFFUSER MOUNTED WITHIN THE GAMING BASE AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A
S10	7W/M 3000K LED	LED STRIP WITHIN A SCREW FIXED EXTRUSION C/W DIFFUSER MOUNTED WITHIN THE CEILING PELMET AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A
S11	12W/M 2700K LED	THREE HORIZONTAL RUNS OF SCREW FIXED LED STRIP RECESSED INTO THE REAR BAR JOINERY SHELVES AS PER THE ARCHITECTURAL DETAIL. REFER TO THE ELEVATIONS FOR THE EXTENT AND QUANTITY OF STRIP. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A



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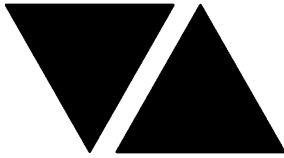
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
S12	12W/M 2700K LED	ONE HORIZONTAL RUN OF SCREW FIXED LED STRIP RECESSED INTO THE BAR COUNTER PELMET AS PER THE ARCHITECTURAL DETAIL. REFER TO THE ELEVATIONS FOR THE EXTENT AND QUANTITY OF STRIP. PROVIDE THE STRIP WITH REMOTE DALI DIMMABLE POWER SUPPLIES AS REQUIRED. LOCATE THE POWER SUPPLIES IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	WHITE	RAPID LED 7W/M 3,000K 24VOLT DC IP20 R2333 PLUS R2384 17 X 9 ALUMINIUM EXTRUSION AND OPAL DIFFUSER + POWER SUPPLY & DALI CONTROLLER	A
PD01	12 LAMP TRAILING EDGE DIMMABLE 240 VOLT 2700K E27 LED 330 LUMENS +/- 10% 15,000 HOUR LIFE	1050 DIA 12 LAMP DECORATIVE PENDANT ALLOW TO ASSEMBLE AND INSTALL CONFIRM THE SUSPENSION HEIGHT ONSITE WITH THE ARCHITECT	ANTIQUE GOLD MATT GLASS	ZEST LIGHTING MARTIN 12	A
WL01	2 LAMP TRAILING EDGE DIMMABLE 240 VOLT 2700K E14 LED 250 LUMENS +/- 10% 15,000 HOUR LIFE	80WIDE X 100 DEEP X 430HIGH TWO LAMP UP DOWN WALL LIGHT MOUNTED LIGHT AS PER THE ARCHITECTURAL ELEVATION	ANTIQUE BRASS CLEAR ROD GLASS	ZEST LIGHTING AVION	A
WL02	TRAILING EDGE DIMMABLE 240 VOLT 2700K B22 LED 250 LUMENS +/- 10% 15,000 HOUR LIFE	WALL LIGHT MOUNTED LIGHT AS PER THE ARCHITECTURAL ELEVATION ALLOW TO INSTALL ALLOW A PC SUM FOR THE SUPPLY OF EACH WL02 FITTING	TO BE ADVISED	PC SUM \$250.00 PER FITTING	A
WL03	TRAILING EDGE DIMMABLE 240 VOLT 2700K B22 LED 250 LUMENS +/- 10% 15,000 HOUR LIFE	WALL LIGHT MOUNTED LIGHT AS PER THE ARCHITECTURAL ELEVATION ALLOW TO INSTALL ALLOW A PC SUM FOR THE SUPPLY OF EACH WL02 FITTING	TO BE ADVISED	PC SUM \$250.00 PER FITTING	A
RD01	12W 3000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	BLACK TRIM	RAPID R1077 DALI	A
RD02	13W 3000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	BLACK TRIM	RAPID R1074 DALI	A
GL01	5W 3000K LED	GARDEN ELV SPIKE LIGHT. PROVIDE EACH GROUP OF GL01 FITTINGS WITH A REMOTE COMMON DALI DIMMABLE DRIVER. LOCATE DRIVER /POWER SUPPLY IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	BLACK	EQUAL TO GAMMA ILLUMINATION RULOJ 885102	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS LLIFE	A



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
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-D1.25- C90-D2	WHITE UNLESS NOTED AS BK THEN BLACK BODY	CLEVERTRONICS LUBPRO-SM	A
CHANNEL x		CONTROL CHANNEL WITH A NUMERICAL REFERENCE. REFER TO THE POWER AND LIGHTING CONTROL SCHEMATIC / SCHEDULE			A
LIGHTING CONTROL SWITCH PANEL (SPx)		6-BUTTON PROGRAMMABLE SWITCH PANEL C/W CENTRAL LCD DISPLAY MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	ALUMINIUM	DYNALITE ANTUMBRA DISPLAY	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 UNLESS NOTED AS BLACK (BK)	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 (BK)	CLIPSAL C2000 SERIES	A
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	A
SIGN CONNECTION		COORDINATE THE LOCATION AND CONNECTION WITH THE SIGN CONTRACTOR ENSURING THE GPO / ISOLATORS ARE PROVIDED WITH APPROPRIATE WEATHER PROTECTION AND ARE CONCEALED FROM VIEW.			A
SINGLE-PHASE ISOLATOR		SINGLE-PHASE WEATHERPROOF ISOLATOR. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT.	-	CLIPSAL WHT20	A
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.	-	CLIPSAL WHT35	A
DB-P		EXISTING DISTRIBUTION BOARD DB-P. PROVIDE THE ADDITIONAL SWITCHGEAR AND DYNALITE CONTROLS AS PER THE DB-P SCHEDULE AND LIGHTING CONTROL SCHEDULE. UPDATE THE CIRCUIT SCHEDULE..			A
DB-T		REPLACE THE EXISTING DISTRIBUTION BOARD AS PER DB-T SCHEDULE. RESUPPLY ALL EXISTING DB-T CIRCUITS FROM THE NEW DB-T WITH NEW SWITCHGEAR. PROVIDE AN INFILL BEHIND SUCH THAT THE MOUNTING / POSITION OF DB-T COMPLIES WITH AS3000. REMOVE THE EXISTING SINGLE PHASE DB-T AND ITS EXISTING SUPPLY.			A
DB-A		PROVIDE A NEW 3 PHASE 63 AMP MCB IN DB-A TO SUPPLY THE NEW DB-T VIA A NEW 4C+E 16MM SUBMAIN.			A



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## LIGHTING CONTROL SCHEDULE

REVISION A - 11 JULY 2025

MISCELLANEOUS EQUIPMENT					REV
ITEM	DESCRIPTION				A
SP1	AS DETAILED IN THE EQUIPMENT SCHEDULE 6-BUTTON PROGRAMMABLE SWITCH PANEL C/W CENTRAL LCD DISPLAY DYNALITE ANTUMBRA DISPLAY ALUMINIUM				A
SP2	AS DETAILED IN THE EQUIPMENT SCHEDULE 6-BUTTON PROGRAMMABLE SWITCH PANEL C/W CENTRAL LCD DISPLAY DYNALITE ANTUMBRA DISPLAY ALUMINIUM				A
PE CELL	PROGRAMMABLE PE CELL DUS 90CS CONFIRM THE LOCATION ON SITE WITH THE ARCHITECT				A
TIME CLOCK	PROGRAMMABLE TIME CLOCK ENVISION GATEWAY PDEG LOCATED IN DB-T				A
CONTROL MODULE 1					A
TYPE:		DYNALITE DDMC802			A
DESCRIPTION		8CH MODULAR CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-T			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUIT	USE	A
T-1	DGTM104	GAMING	DB-T -L1	WL02	A
					A
T-2	DGBM200	GAMING		S10	A
					A
T-3	DGRM204	GAMING		SIGNS	A
					A
				A	
				A	
CONTROL MODULE 2					A
TYPE:		DYNALITE DDMC802			A
DESCRIPTION		8CH MODULAR CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-T			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUIT	USE	A
T-4	DGTM104	GAMING	DB-T -L2	WL03	A
					A
T-5	DGBM200	GAMING		S9	A
					A
T-5					A
					A
T-6				A	
T-7				A	
T-8				A	
CONTROL MODULE 3					A
TYPE:		DYNALITE DDBC1200			A
DESCRIPTION		12CH BOARD CAST DALI CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-P			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUITS	USE	A
P-1	DALI DIM	GAMING	DB-P - L1	RD01	A
P-2	DALI DIM	GAMING	DB-P - L1	RD01	A
P-3	DALI DIM	GAMING	DB-P - L1	RD01	A
P-4	DALI DIM	GAMING	DB-P - L1	RD02	A
P-5	DALI DIM	GAMING	DB-P - L1	RD02	A
P-6	DALI DIM	GAMING	DB-P - L1	RD02	A
P-7	DALI DIM	GAMING	DB-P - L2	S6	A
P-8	DALI DIM	GAMING	DB-P - L2	S5	A
P-9	DALI DIM	GAMING	DB-P - L2	S7	A
P-10	DALI DIM	GAMING	DB-P - L2	S13	A
P-11	DALI DIM	GAMING	DB-P - L2	S12	A
P-12	DALI DIM	GAMING	DB-P - L2	S11	A



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## LIGHTING CONTROL SCHEDULE

REVISION A - 11 JULY 2025

REVISION: 1/06/2017

CONTROL MODULE 4					A
TYPE:		DYNALITE DDBC1200			A
DESCRIPTION		12CH BOARD CAST DALI CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-P			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUITS	USE	A
P-13	DALI DIM	EXTERNAL	DB-P - L3	GLO1	A
P-14	DALI DIM	EXTERNAL	DB-P - L3	S1 S2 S3	A
P-15	DALI DIM	EXTERNAL	DB-P - L3	S4	A
P-16					A
P-17					A
P-18					A
P-19					A
P-20					A
P-21					A
P-22					A
P-23					A
P-24					A
CONTROL MODULE 5					A
TYPE:		DYNALITE DDMC802			A
DESCRIPTION		8CH MODULAR CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-P			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUIT	USE	A
P-25	DGTM202		DB-P -L4	PD01	A
P-26				WL01	A
P-27					A
P-28					A
P-29					A
P-30					A
P-31					A
P-32					A
CONTROL MODULE 6					A
TYPE:		DYNALITE DDRC1220FR-GL			A
DESCRIPTION		12CH 20 A FEEDTHROUGH RELAY CONTROLLER			A
LOCATION		DIN RAIL MOUNTED WITHIN DB-P			A
BUS:		A			A
CHANNEL	CONTROL	DESCRIPTION			A
		LOCATION	CIRCUIT	USE	A
P-33	SWITCHED	GAMING	DB-P - P6	SIGN	A
P-34	SWITCHED	GAMING	DB-P - P7	SIGN	A
P-35	SWITCHED	GAMING	DB-P - P8	SIGN	A
P-36	SWITCHED	EXTERNAL			A
P-37					A
P-38					A
P-39					A
P-40					A
P-41					A
P-42					A
P-43					A
P-44					A



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DISTRIBUTION BOARD DB-P

REVISION A - 11 JULY 2025

							REV
PROVIDE ADDITIONAL SWITCHGEAR AND CONTROLS FOR THE FOLLOWING CIRCUITS WITHIN THE EXISTING DB-P DISTRIBUTION BOARD . UPDATE THE SCHEULE AND ENSURE THE SCHEDULE INCLUDES 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	GAMING	GAMING MACHINES	A
P2	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P3	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P4	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P5	1	20	RCBO	2.5	GAMING	CRT	A
P6	1	20	RCBO	2.5	GAMING	SIGN	A
P7	1	20	RCBO	2.5	GAMING	SIGN	A
P8	1	20	RCBO	2.5	GAMING	SIGN	A
P9	1	20	RCBO	2.5	GAMING	MODEM	A
P10	1	20	RCBO	2.5	GAMING	CLEANING	A
P11	1	20	RCBO	2.5	BAR	POS	A
P12	1	20	RCBO	2.5	BAR	GAMING TERMINAL	A
P13	1	20	RCBO	2.5	BAR	GLASS WASHER	A
P14	1	20	RCBO	2.5	BAR	REF	A
P15	1	20	RCBO	2.5	BAR	GPO	A
P16	1	20	RCBO	2.5	EXTERNAL	SIGN	A
L1	1	20	RCBO	2.5	GAMING	LIGHTING	A
L2	1	20	RCBO	2.5	GAMING	LIGHTING	A
L3	1	20	RCBO	2.5	GAMING	LIGHTING	A
L4	1	20	RCBO	2.5	GAMING	LIGHTING	A



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3593a - BREAKFAST CREEK HOTEL - GAMING ROOM

C3593a-0006(A).xls

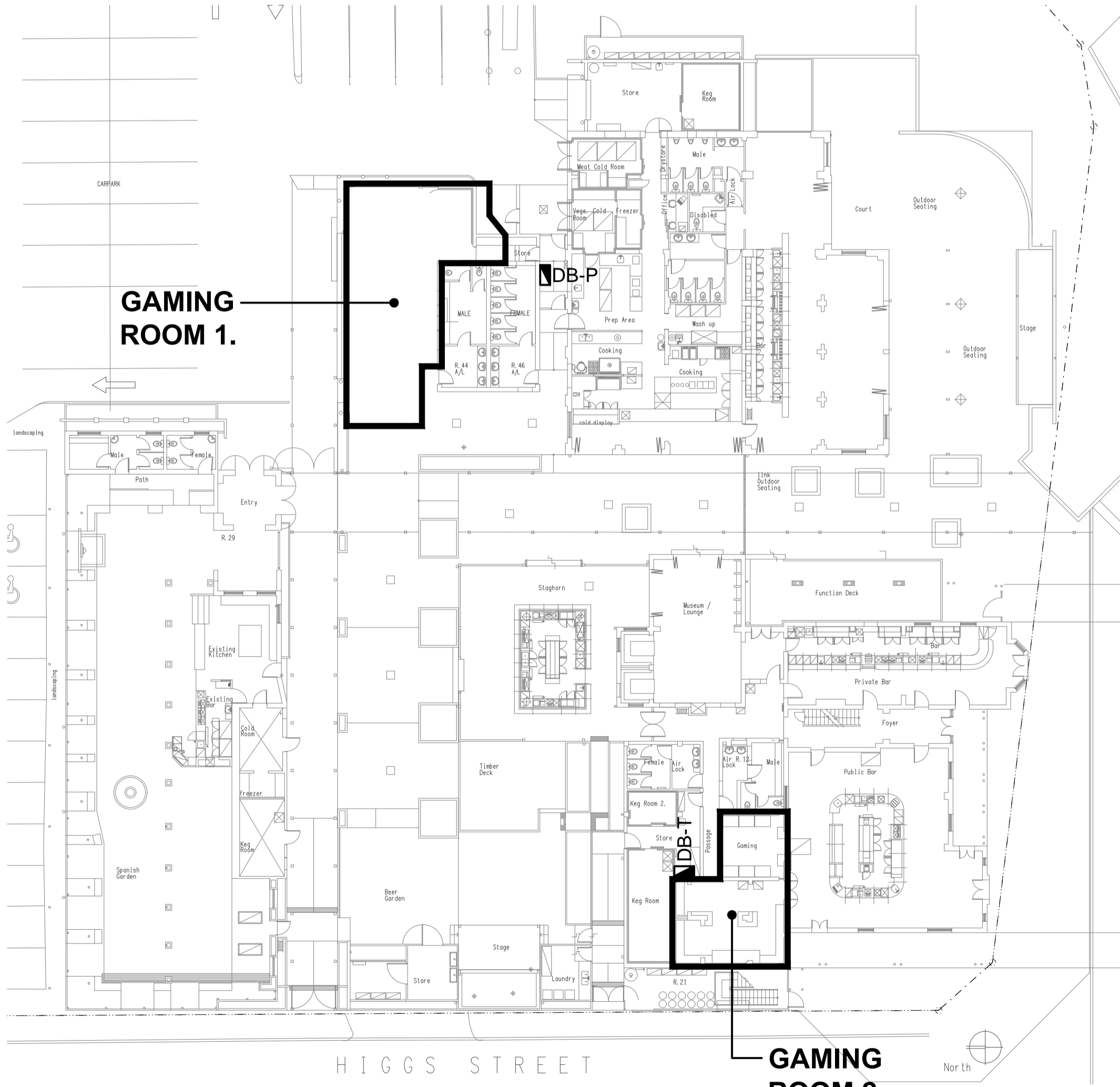
DISTRIBUTION BOARD DB-T

REVISION A - 11 JULY 2025

<div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 60 POLE</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> <div>MAIN SWITCH: 250 NON AUTO LOAD BREAK</div> <div>SUPPLIED FROM: DB-A</div> <div>SUPPLY CABLE: 4C+E 16</div>							REV
							A
							A
							A
							A
REFER TO THE EQUIPMENT SCHEDULE AND NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE THE DB WITH TWO FULL WIDTH EMPTY DIN RAILS TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING DB-T CIRCUITS WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. ENSURE THE SCHEDULE INCLUDES 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	GAMING	GAMING MACHINE	A
P2	1	20	RCBO	2.5	GAMING	GAMING MACHINE	A
P3	1	20	RCBO	2.5	GAMING	GAMING MACHINE	A
P4	1	20	RCBO	2.5	GAMING	MODEM	A
P5	1	20	RCBO	2.5	GAMING	CRT	A
P6	1	20	RCBO	2.5	GAMING	SIGN	A
P7	1	20	RCBO	2.5	GAMING	SIGN	A
P8	1	20	RCBO	2.5	GAMING	CLEANING	A
L1	1	20	RCBO	2.5	GAMING	LIGHTING	A
L2	1	20	RCBO	2.5	GAMING	LIGHTING	A

LEGEND

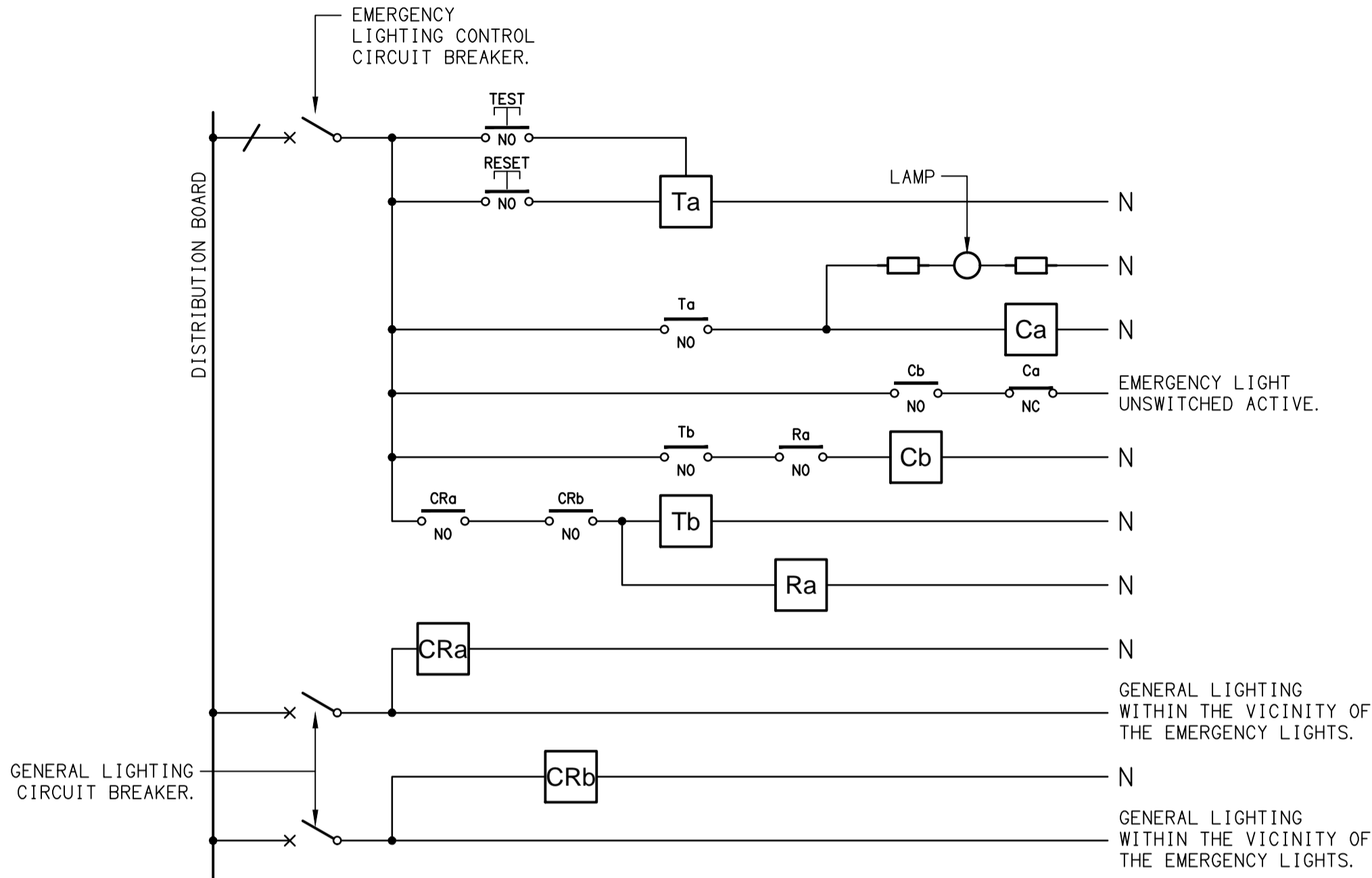
- ELECTRICAL SERVICES SWITCHBOARD.
- SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
- SINGLE POWER OUTLET.
- DOUBLE POWER OUTLET.
- SIGNAGE CONNECTION.
- SINGLE PHASE ISOLATOR.
- THREE PHASE ISOLATOR.
- CONDUIT ROUTE.
- LIGHTING CONTROL SWITCHPANEL, TYPE x.
- CIRCUIT LINE.
- SWITCH LINE.
- POWER CIRCUIT DESIGNATION.  
DENOTES DB AND CIRCUIT.
- LIGHTING CONTROL CHANNEL REFERENCE.
- ELECTRICAL EQUIPMENT AS NOTED.
- REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED.  
ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
- Sx: LED JOINERY / CEILING STRIP LIGHT, TYPE AS NOTED.
- E1: GENERAL RECESSED LED EMERGENCY LIGHT, WHITE.
- EX: EMERGENCY LED EXIT LIGHT, WHITE UNLESS NOTED AS BLACK.
- PD01: 12 LAMP DECORATIVE SUSPENDED PENDANT, GOLD.
- WL01: UP / DOWN WALL LIGHT, BRASS.
- WL02: WALL LIGHT.
- WL03: WALL LIGHT.
- RD01: RECESSED DOWNLIGHT, BLACK.
- RD02: RECESSED DOWNLIGHT, BLACK.
- GL01: GARDEN SPIKE LIGHT, BLACK.



SITE PLAN  
EXTENT OF WORKS  
SCALE 1: 250

EQUIPMENT:

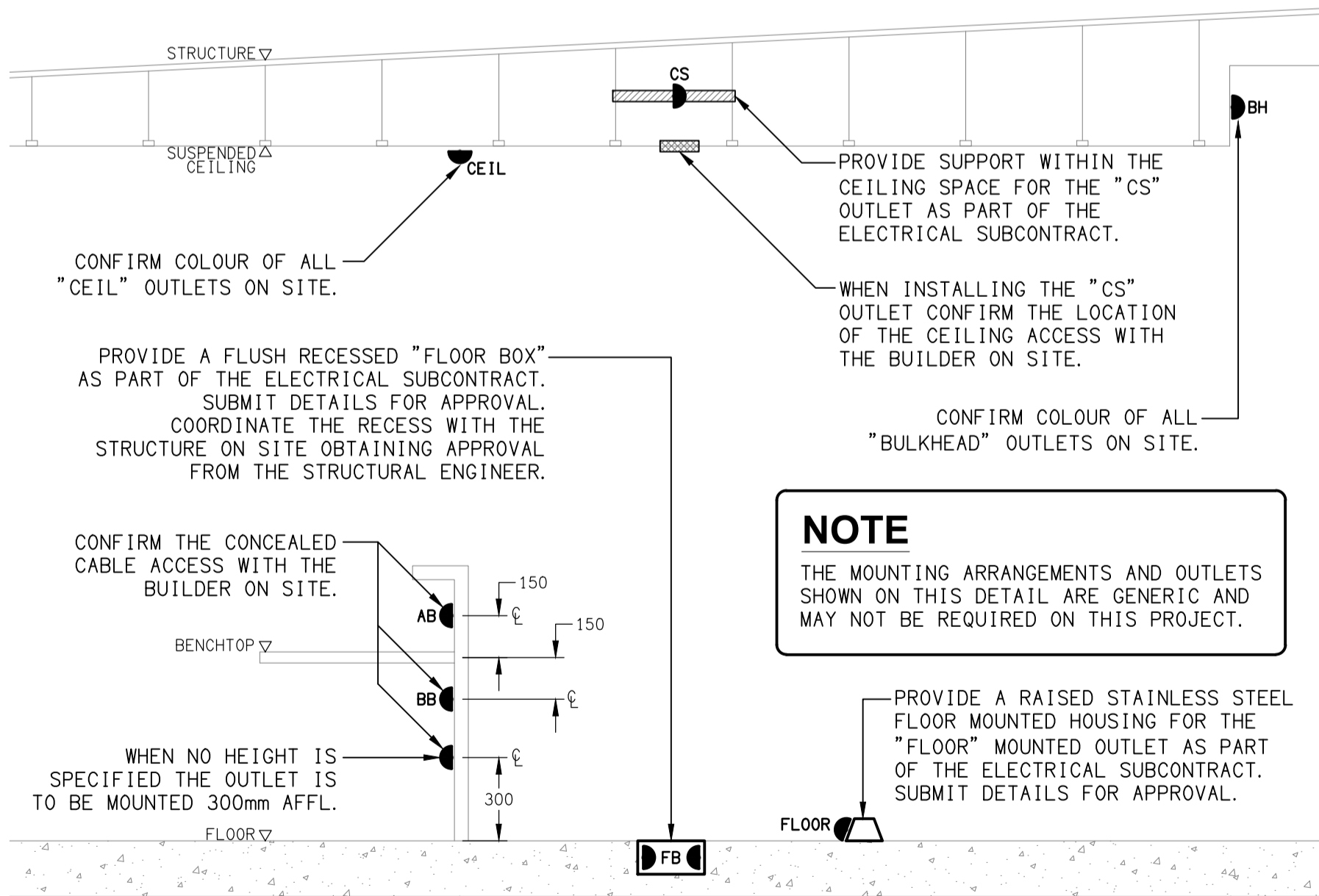
- TEST – TEST PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- RESET – RESET PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- LAMP – AMBER TEST INDICATING LAMP MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- Ta – ADJUSTABLE 0-3 HOUR TIMED RELAY.
- Tb – 15 MINUTE RUN-ON TIMER TO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



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.

SCHEMATIC  
EMERGENCY LIGHTING  
NOT TO SCALE



NOTE

THE MOUNTING ARRANGEMENTS AND OUTLETS SHOWN ON THIS DETAIL ARE GENERIC AND MAY NOT BE REQUIRED ON THIS PROJECT.

DETAIL  
TYPICAL OUTLET MOUNTINGS  
NOT TO SCALE

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.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- 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.

PRIOR TO COMMENCING WORK CONSULT SITE MANAGEMENT FOR ANY HAZARDOUS MATERIAL AND OR ASBESTOS REGISTERS AS WELL AS UNDERTAKE A THOROUGH INSPECTION OF THE SITE TO IDENTIFY ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS. ADVISE THE CONTRACTOR OF ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS IF IDENTIFIED AND DO NOT COMMENCE WORK UNTIL AN APPROPRIATE MANAGEMENT PLAN HAS BEEN DEVELOPED AND AGREED TO BY ALL PARTIES.

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.

NOTES

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 2.5mm<sup>2</sup> 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.

6. POWER DISTRIBUTION

UPGRADE THE EXISTING DISTRIBUTION BOARD DB-P TO ACCOMMODATE THE NEW NEW CIRCUITS AND DYNALITE CONTROLS.

REPLACE THE EXISTING DB-T WITH A LARGER DISTRIBUTION BOARD TO ACCOMMODATE THE EXISTING / REMAINING NEW CIRCUITS AND DYNALITE CONTROLS. REMOVE THE EXISTING SINGLE PHASE SUPPLY TO THE EXISTING DB-T. PROVIDE A NEW THREE-PHASE SUPPLY FROM DB-A TO SUPPLY THE NEW DB-T. ALL OF THE EXISTING DB-T CIRCUITS ARE TO BE RECONNECTED TO THE NEW DB-T WITH NEW SWITCHGEAR. ALL OF THE EXISTING SWITCHBOARDS, CIRCUITS, CABLING AND OUTLETS THAT BECOME REDUNDANT ARE TO BE REMOVED. THE EXISTING CIRCUITS THAT REMAIN WITHIN THE AREA OF WORKS ARE TO BE RECONNECTED TO THE SWITCHBOARDS WITH NEW SWITCHGEAR AND CONTROLS. ANY INTERRUPTION TO THE POWER SUPPLY TO ANY SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE HOTELS OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING AT LEAST ONE WEEK PRIOR.

ALL SWITCHBOARDS AND CIRCUITS MUST BE UNIQUELY NAMED WITH SWITCHBOARDS PROVIDED WITH A LABEL CONTAINING:

- SOURCE NAME.
- SOURCE OVERLOAD RATING IN AMPS.
- SUBMAIN CABLE TYPE, SIZE, CONFIGURATION AND LENGTH.

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 INDELIBLE 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.
- NEW SWITCHBOARD DB-T, SUBMAIN AND CIRCUIT BREAKERS.
- NEW CIRCUIT BREAKER IN DB-A TO SUPPLY THE NEW DB-T.
- UPGRADING THE EXISTING SWITCHBOARD DB-P.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.

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

PROVIDE DISTRIBUTION BOARD DB-T AS FOLLOWS:

- WALL MOUNTED.
- IP44 FORM 1.
- LIGHT GREY ENCLOSURE WHITE ESCUTCHEON.
- 3 POINT LOCKABLE HANDLES ON ALL DOORS.
- LIFT OFF HINGES ON ALL DOORS AND ESCUTCHEONS.
- 1/4 TURN LATCHES AND D HANDLES ON ALL ESCUTCHEONS.
- ALL SWITCHGEAR TO BE SCHNEIDER OR NHP / TERASAKI.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.

ENSURE ALL THREE PHASE CIRCUITS ARE PROVIDED WITH CORRECT PHASE ROTATION.

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.

NOTES

7. LIGHTING

ALL FRONT OF HOUSE LIGHTING IS TO BE 2,700K OR 3,000K AND THE BACK OF HOUSE LIGHTING IS TO BE 4,000K.

UNLESS A FITTING HAS BEEN SPECIFIED IN THE EQUIPMENT SCHEDULE THAT CONTAINS A MAIN VOLTAGE LAMP, ALL LIGHT FITTINGS MUST BE PROVIDED AS SOLID-STATE LED WITH A FIVE-YEAR MANUFACTURERS REPLACEMENT WARRANTY AND A MINIMUM TWO YEAR MANUFACTURERS REPLACEMENT AND LABOUR WARRANTY.

ALL FRONT OF HOUSE LIGHTS THAT DO NOT CONTAIN A MAIN VOLTAGE LAMP ARE TO BE DALI DIMMABLE.

REMOTE DRIVERS ARE TO BE USED IF POSSIBLE AND LOCATED IN A CONCEALED ACCESSIBLE POSITION. IF THE DRIVER CAN NOT BE REACHED FROM THE FITTING ITS POSITION MUST BE NOTED ON THE AS CONSTRUCTED DOCUMENTS.

ALL FRONT OF HOUSE LIGHTS THAT CONTAIN MAIN VOLTAGE LAMPS ARE TO BE PROVIDED WITH THE LOWEST OUTPUT PRACTICAL TO ACHIEVE THE REQUIRED ILLUMINATION / EFFECT AND BE TRAILING EDGE PHASE DIMMABLE.

ALL ILLUMINATED SIGNAGE, GAMING BASE FOOTREST LEDS, CARPARK LIGHTS, AND EXTERNAL SECURITY LIGHTS NOT CONSIDERED FRONT OF HOUSE ARE TO BE SWITCHED.

ALL LIGHTING CIRCUITS MUST BE PROTECTED BY A 20 AMP RCBO WITH THE AVERAGE NUMBER OF FITTINGS / DRIVERS SUPPLIED FROM A SINGLE CIRCUIT NOT EXCEEDING 25 WITH THE MAXIMUM NOT EXCEEDING 30.

PROVIDE A PHILIPS DYNALITE LIGHTING CONTROL SYSTEM TO CONTROL THE LIGHTING CONFIGURED WITH THE FOLLOWING SCENES:

INTERNAL

- CLEANING – MANUAL OPERATION. 100% LIGHTS ON AND SIGNS OFF.
- DAY – AUTOMATIC OPERATION FROM 10.00 AM TO 3.30 PM.
- AFTERNOON – AUTOMATIC OPERATION FROM 3.30 PM TO DUSK.
- EVENING – AUTOMATIC OPERATION FROM DUSK TO 8.30 PM.
- NIGHT – AUTOMATIC OPERATION FROM 8.30 PM TO CLOSING.
- CLOSED – MANUAL OPERATION. 100% ON FOR 15 MINUTES THEN TO A SECURITY MODE.

EXTERNAL

- DAY – AUTOMATICALLY OFF FROM DAWN TO DUSK.
- NIGHT – AUTOMATICALLY ON FROM DUST UNTIL 15 MINUTES PAST CLOSING.
- CLOSED – MANUAL OPERATION. NIGHT MODE FOR 15 MINUTES THEN TO A SECURITY MODE.

SET THE ILLUMINATION LEVELS IN CONSULTATION WITH THE VENUE MANAGER AND OBTAIN WRITTEN APPROVAL FROM THE VENUE MANAGER OF THEIR ACCEPTANCE OF THE ILLUMINATION SCENE LEVELS FOR EACH STAGED HANDOVER AND SUBMIT A COPY OF THE APPROVAL TO THE ARCHITECT.

PROVIDE PHILIPS DYNALITE PROGRAMMABLE SWITCH PANELS PE SENSORS AND TIME CLOCKS AS NECESSARY. EACH FUNCTIONAL AREA IS TO BE PROVIDED WITH A SWITCHPANEL IN A NON-CUSTOMER ACCESSIBLE POSITION WITH THE ABILITY TO MANUALLY INSTIGATE THE ABOVE SCENES.

DIN RAIL MOUNT THE PHILIPS DYNALITE CONTROL EQUIPMENT WITHIN THE ASSOCIATED SWITCHBOARD.

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.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- PHILIPS DYNALITE LIGHTING CONTROL SYSTEM.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.
- RECONNECTION OF THE EXISTING LIGHTING THAT REMAINS.
- REMOVAL OF ALL EXISTING REDUNDANT LIGHTING SERVICES INCLUDING THE REDUNDANT LIGHTING CONTROL SYSTEM.

COMMISSION THE LIGHTING CONTROL AT PRACTICAL COMPLETION AND AGAIN THREE TIMES DURING THE DEFECTS AND LIABILITY PERIOD TO THE SATISFACTION OF THE OPERATOR.

DALI TO PHASE DIMMING CONVERTERS ARE NOT ACCEPTABLE.

8. 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.

NOTES

8. 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.

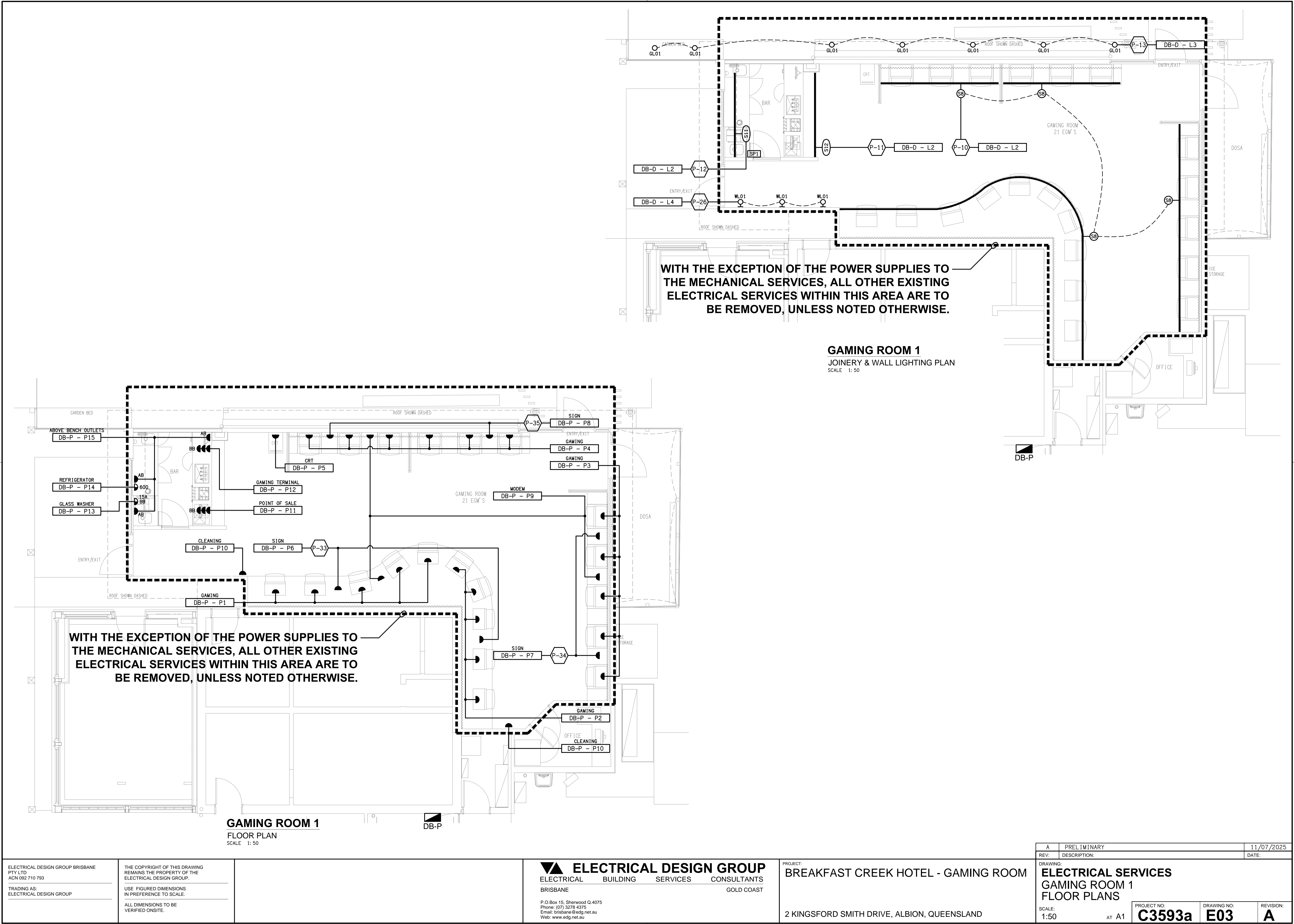
THIS EVIDENCE IS TO BE IN THE FORM OF A LOG BOOK SIMILAR TO THE GENERAL LIGHTING SERVICE PTY LTD "EMERGENCY LIGHTING MAINTENANCE LOG BOOK AND MANUAL" WHICH IS TO BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR AND HAVE ALL ENTRIES FULLY COMPLETED AND BE PRESENTED FOR INSPECTION AT PRACTICAL COMPLETION. 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.

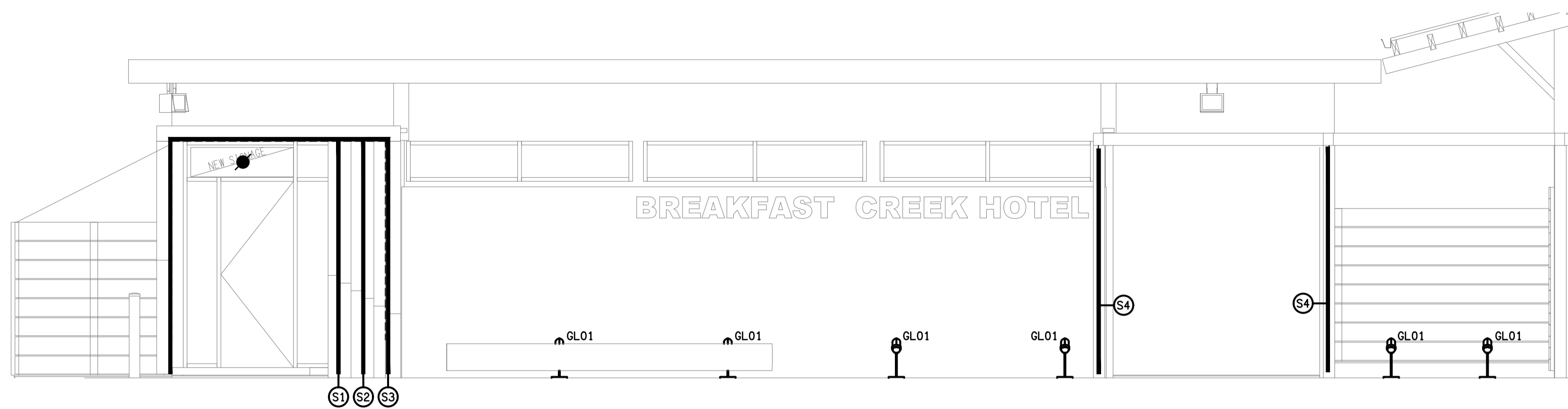
PROVIDE MAINTENANCE OF THE EMERGENCY AND EXIT LIGHTING INSTALLATION INCLUDING RECORDS IN ACCORDANCE WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. PROVIDE THE EMERGENCY LIGHTING SYSTEM WITH A SUPPLY SENSING AND TESTING FACILITY IN ACCORDANCE WITH AS 2293.1.

9. ABBREVIATIONS

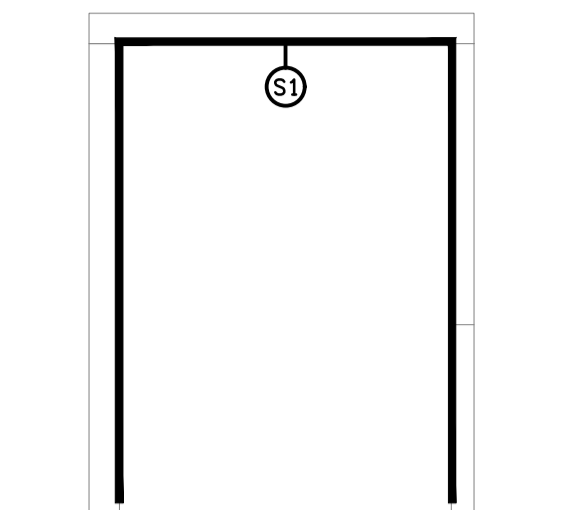
- A – AMP CURRENT RATING
- AB – MOUNT ABOVE BENCH.
- AFFL – ABOVE FINISHED FLOOR LEVEL.
- BB – MOUNT BELOW BENCH.
- BH – MOUNT ON BULKHEAD.
- CEIL – MOUNT ON CEILING.
- CS – MOUNT WITHIN CEILING SPACE.
- C/W – COMPLETE WITH.
- DW – DISHWASHER.
- HP – HOT PLATE.
- HWS – HOT WATER SYSTEM.
- MCB – MINIATURE CIRCUIT BREAKER.
- MSB – MAIN SWITCHBOARD.
- MSSB – MECHANICAL SERVICES SWITCHBOARD.
- MW – MICROWAVE.
- N – NEON / LED INDICATOR WHEN ON.
- NTS – NOT TO SCALE.
- OV – OVEN.
- QDC – QUEENSLAND DEVELOPMENT CODE.
- RCBO – CIRCUIT BREAKER C/W AN INTEGRAL 30mA RESIDUAL CURRENT DEVICE.
- RCD – CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE.
- REF – REFRIGERATOR.
- UNO – UNLESS NOTED OTHERWISE.
- WP – WEATHERPROOF TO IP56 UNO.
- 500 – NUMBER DENOTES MOUNTING HEIGHT AFFL.

<div><div><div>ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793</div><div>TRADING AS: ELECTRICAL DESIGN GROUP</div></div><div><div>THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP.</div><div>USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.</div><div>ALL DIMENSIONS TO BE VERIFIED ONSITE.</div></div></div>		<div><div><div><div></div><div>ELECTRICAL DESIGN GROUP</div></div><div><div>ELECTRICALBUILDINGSERVICESCONSULTANTS</div><div>BRISBANEGOLD COAST</div></div></div><div><div>P.O.Box 15, Sherwood Q.4075 Phone: (07) 3278 4375 Email: brisbane@edg.net.au Web: www.edg.net.au</div></div></div>		<div>PROJECT: BREAKFAST CREEK HOTEL - GAMING ROOM</div> <div>2 KINGSFORD SMITH DRIVE, ALBION, QUEENSLAND</div>		<table><tr><td>A</td><td>PRELIMINARY</td><td>11/07/2025</td></tr><tr><td>REV:</td><td>DESCRIPTION:</td><td>DATE:</td></tr><tr><td colspan="3">DRAWING: ELECTRICAL SERVICES NOTES</td></tr><tr><td>SCALE: NOT TO SCALE AT A1</td><td>PROJECT NO: C3593a</td><td>DRAWING NO: E02</td></tr><tr><td colspan="2" rowspan="2"></td><td>REVISION: A</td></tr></table>			A	PRELIMINARY	11/07/2025	REV:	DESCRIPTION:	DATE:	DRAWING: ELECTRICAL SERVICES NOTES			SCALE: NOT TO SCALE AT A1	PROJECT NO: C3593a	DRAWING NO: E02			REVISION: A
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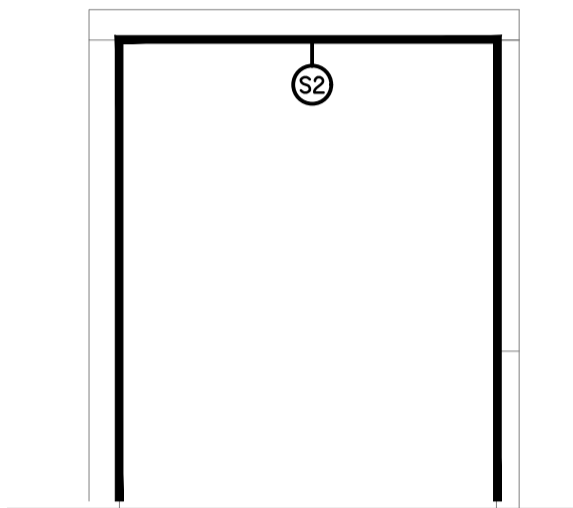




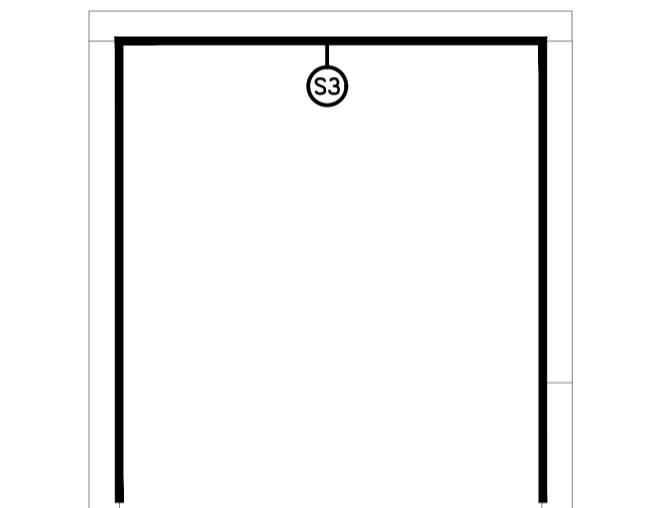
**DETAIL A**  
ENTRY LIGHTING ELEVATION  
SCALE 1: 50



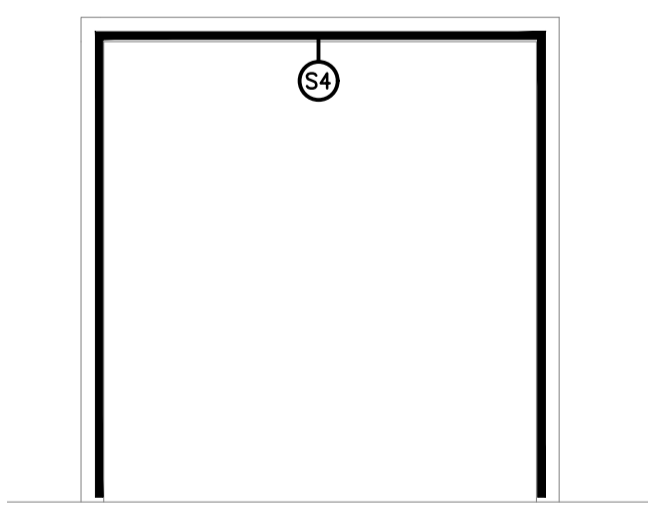
**DETAIL B**  
S1 LIGHTING ELEVATION  
SCALE 1: 50



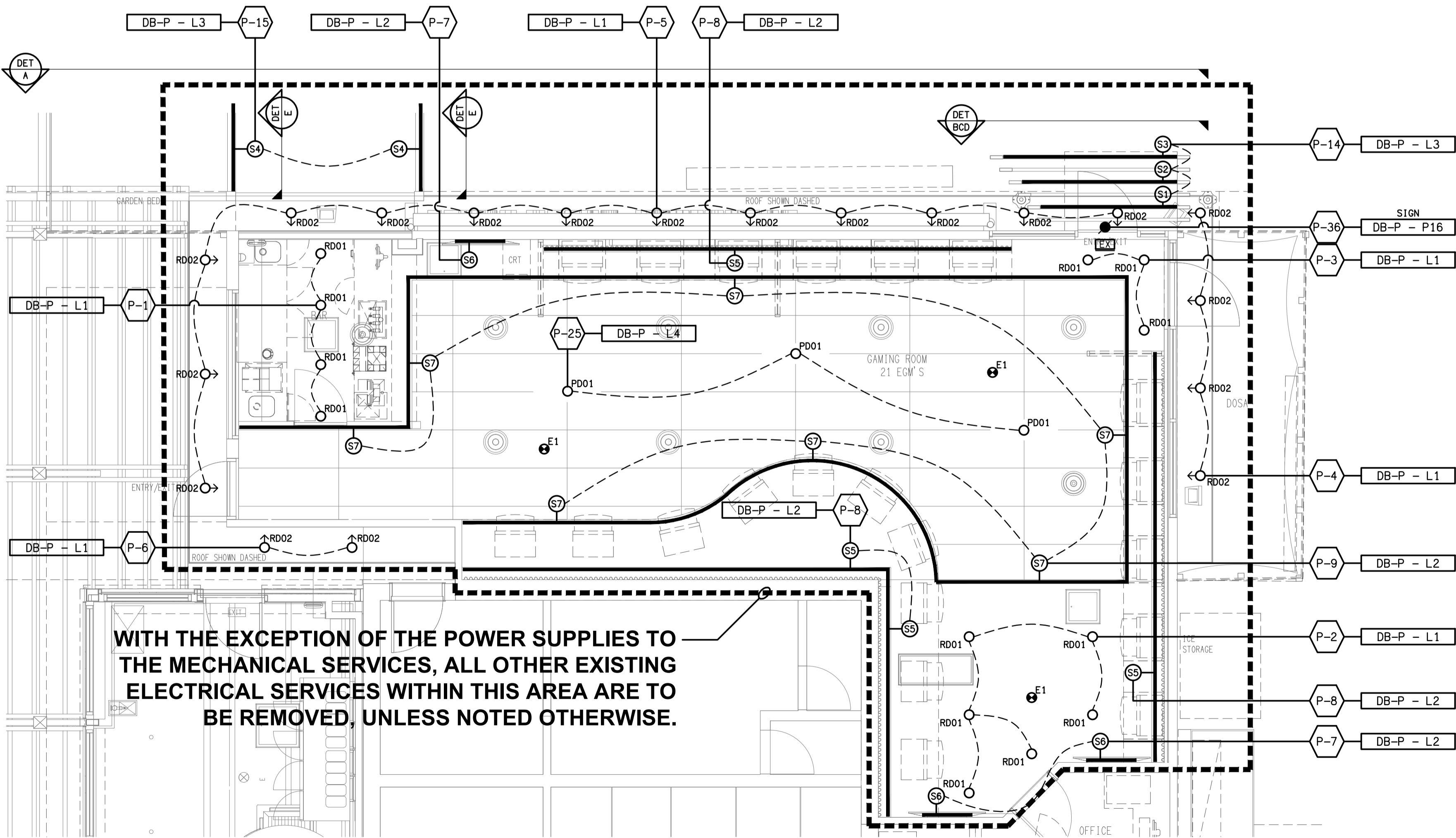
**DETAIL C**  
S2 LIGHTING ELEVATION  
SCALE 1: 50



**DETAIL D**  
S3 LIGHTING ELEVATION  
SCALE 1: 50



**DETAIL E**  
S4 LIGHTING ELEVATION  
SCALE 1: 50



**GAMING ROOM 1**  
REFLECTED CEILING PLAN  
SCALE 1: 50

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PTY LTD  
ACN 092 710 793  
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**ELECTRICAL DESIGN GROUP**  
ELECTRICAL BUILDING SERVICES CONSULTANTS  
BRISBANE GOLD COAST

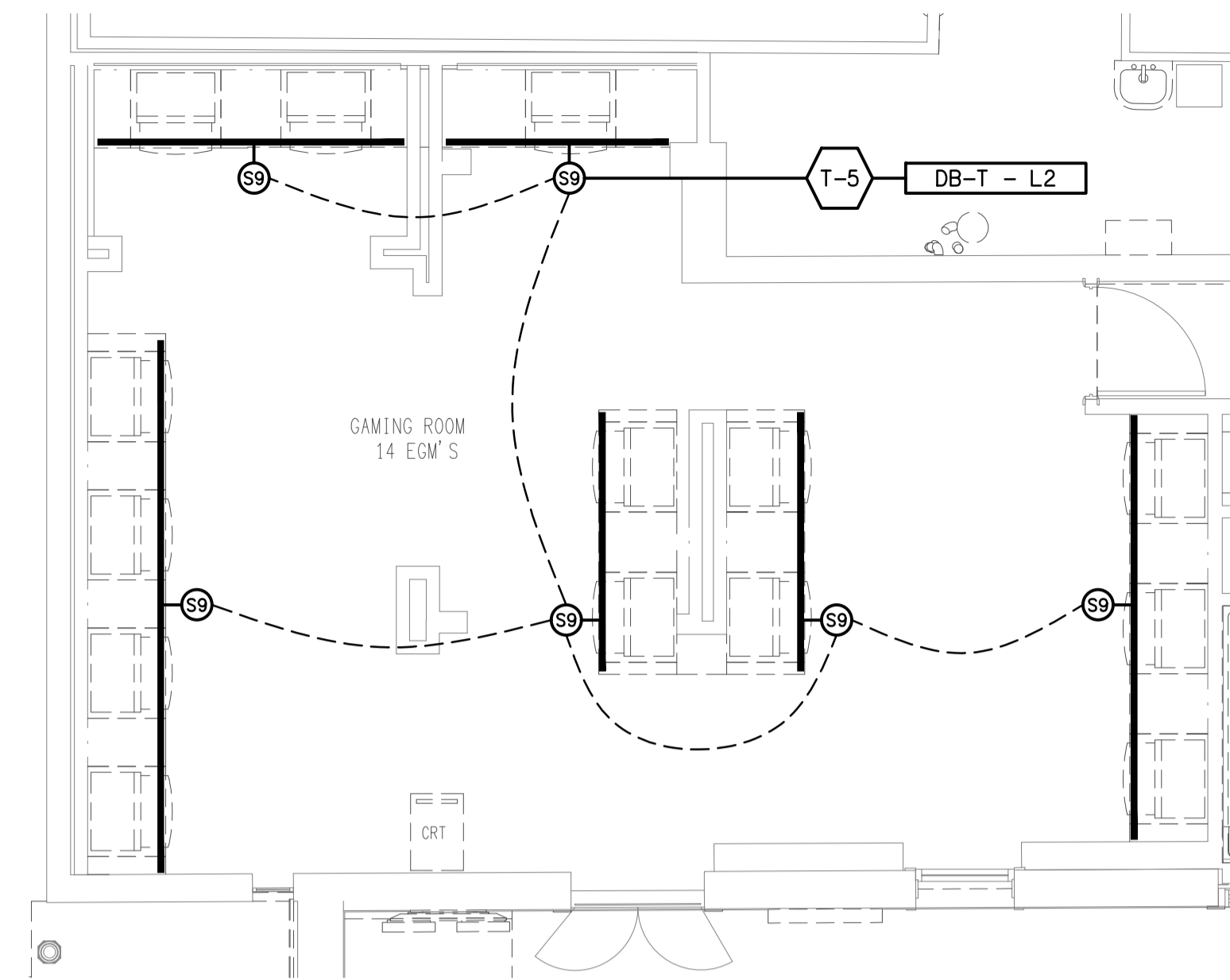
P.O.Box 15, Sherwood Q.4075  
Phone: (07) 3278 4375  
Email: brisbane@edg.net.au  
Web: www.edg.net.au

PROJECT:  
BREAKFAST CREEK HOTEL - GAMING ROOM

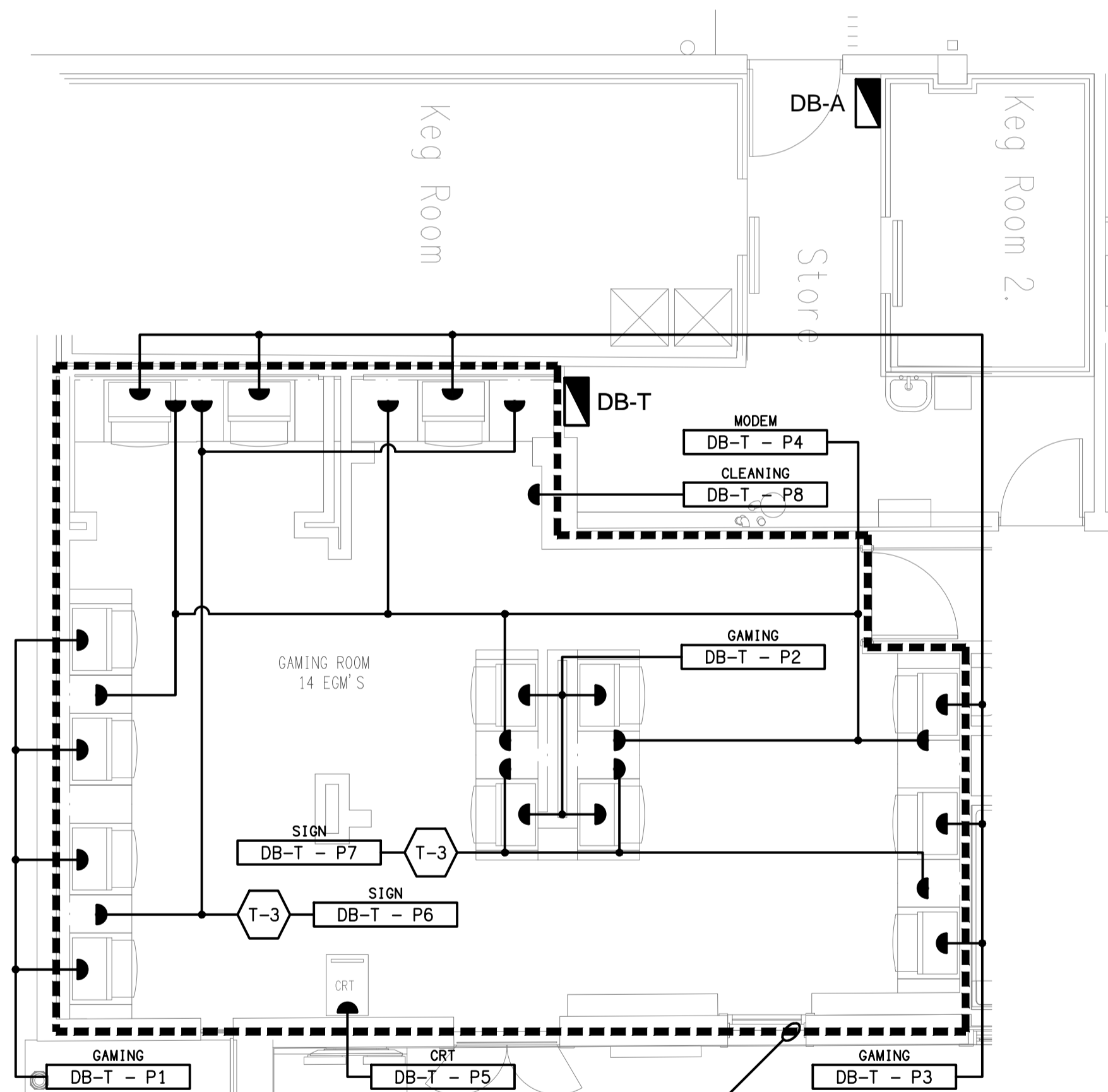
2 KINGSFORD SMITH DRIVE, ALBION, QUEENSLAND

A	PRELIMINARY	11/07/2025
REV:	DESCRIPTION:	DATE:

DRAWING: <b>ELECTRICAL SERVICES GAMING ROOM 1 REFLECTED CEILING PLAN</b>	PROJECT NO: <b>C3593a</b>	DRAWING NO: <b>E04</b>	REVISION: <b>A</b>
SCALE: 1:50	AT A1		

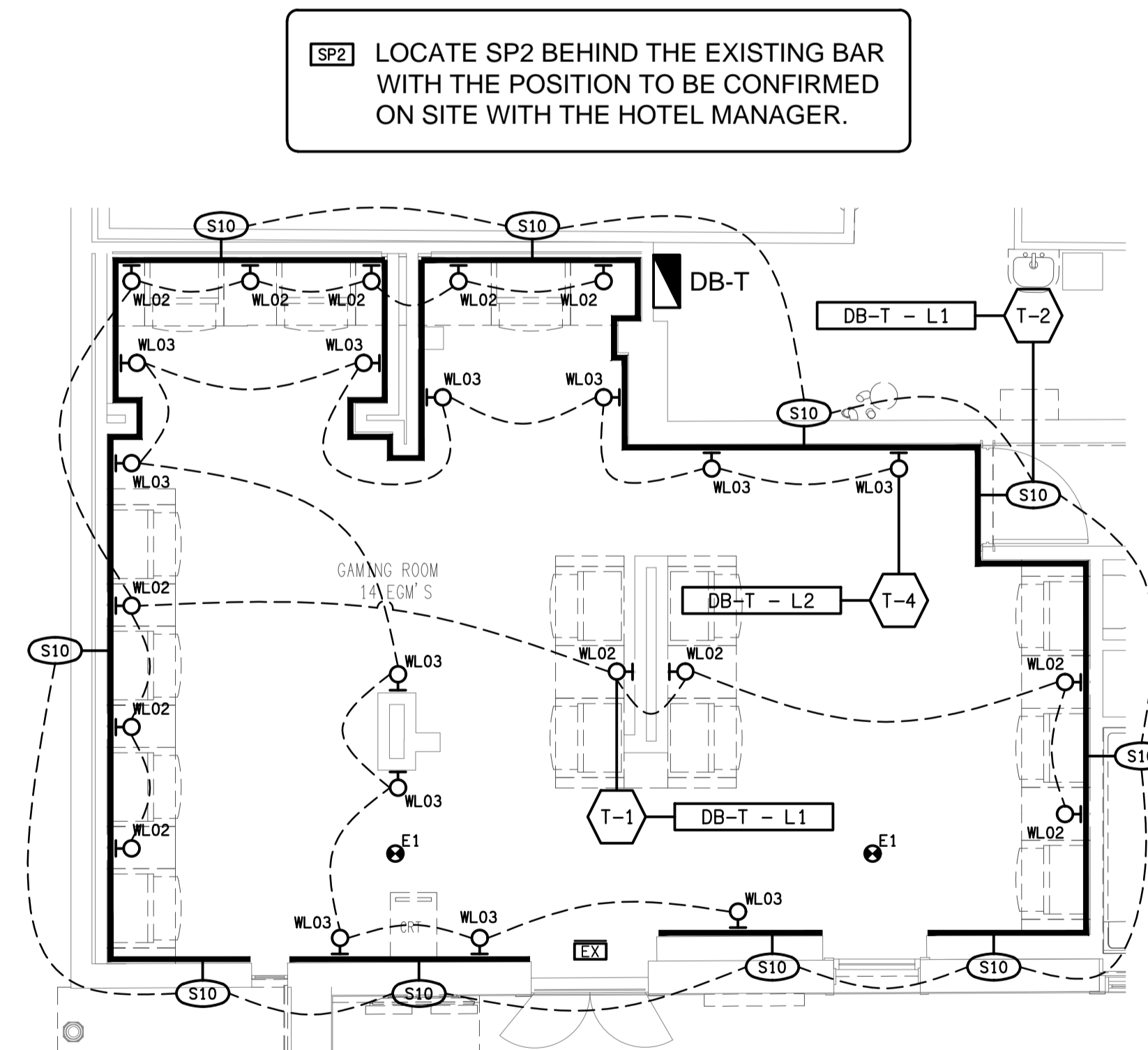


**GAMING ROOM 2**  
GAMING BASE LED STRIP LIGHTING  
SCALE 1: 50



WITH THE EXCEPTION OF THE POWER SUPPLIES TO  
THE MECHANICAL SERVICES, ALL OTHER EXISTING  
ELECTRICAL SERVICES WITHIN THIS AREA ARE TO BE  
REMOVED, UNLESS NOTED OTHERWISE.

**GAMING ROOM 2**  
FLOOR PLAN  
SCALE 1: 50



SP2 LOCATE SP2 BEHIND THE EXISTING BAR  
WITH THE POSITION TO BE CONFIRMED  
ON SITE WITH THE HOTEL MANAGER.

**GAMING ROOM 2**  
REFLECTED CEILING PLAN  
SCALE 1: 50