

# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3142a - TOYOTA NORTH LAKES

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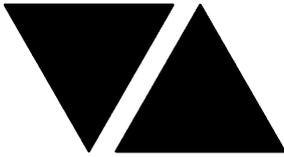
## ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION C - 07 AUGUST 2024

ISSUING INFORMATION				DATE OF ISSUE									
	DAY	30	03	07									
	MONTH	04	06	08									
	YEAR	24	24	24									
REASON FOR ISSUE				P	T	C							
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY		T = TENDER					

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DOCUMENTS		REVISION											
C3142a-E01.dwg	LEGEND, DETAILS & SCHEMATICS	A	B	C									
C3142a-E02.dwg	NOTES	A	B	C									
C3142a-E03.dwg	FLOOR PLAN	A	B	C									
C3142a-E04.dwg	REFLECTED CEILING PLAN	A	B	C									
C3142a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B	C									
C3142a-0002.xls	EQUIPMENT SCHEDULE		A										
C3142a-0001.zip	FITTING & OUTLET DATASHEETS		A										



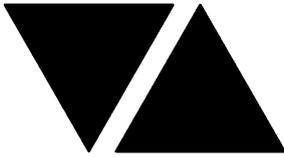
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**ELECTRICAL EQUIPMENT SCHEDULE**

REVISION A - 03 JUNE 2024

THE LIGHT FITTING SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK <a href="http://www.edg.net.au/Links/Lighting.htm">www.edg.net.au/Links/Lighting.htm</a>					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	3500 LUMEN / 30W 4000K LED	55MM ROD SUSPENDED LED EXTRUSION C/W OPAL DIFFUSER AND INTEGRAL DRIVER REFER TO THE ARCHITECTURAL DETAILS FOR THE INDIVIDUAL DIMENSIONS OF EACH L1 FITTING CONFIRM THE SUSPENSION LENGTH ON SITE WITH THE ARCHITECT	BLACK	MATRIC SYSTEM L-R4 O-B-G-9-40-M	A
L2	3500 LUMEN / 30W 4000K LED	55MM ROD SUSPENDED LED EXTRUSION C/W OPAL DIFFUSER AND INTEGRAL DRIVER REFER TO THE ARCHITECTURAL DETAILS FOR THE INDIVIDUAL DIMENSIONS OF EACH L2 FITTING CONFIRM THE SUSPENSION LENGTH ON SITE WITH THE ARCHITECT	BLACK	MATRIC SYSTEM L-R4 O-B-G-9-40-M	A
L3	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP WITHIN THE CEILING FEATURE SHADOW LINE RECESS TO ILLUMINATE DOWN THE WALL. SCREW FIX THE ALUMINIUM SUPPORT IN PLACE.			NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L4	3750 LUMEN 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T BAR	WHITE TRIM	SAL LIGHTING S9784/606TC/DP2	A
L5	REMOVE THE EXISTING BULKHEAD WALL MOUNTED LIGHT FITTINGS.				A
L6	REMOVE THE EXISTING RECESSED DOWNLIGHTS LOCATED ABOVE THE NEW SUSPENDED CEILING FEATURES.				A
L7	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP UNDER THE OVERHEAD CUPBOARDS HARD AGAINST THE SPLASHBACK AS PER THE ARCHITECTURAL JOINERY DETAILS SCREW FIX THE ALUMINIUM SUPPORT IN PLACE.			EQUAL TO NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L8	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP WITHIN HE JOINERY SKIRTING PELMET AS PER THE ARCHITECTURAL DETAIL. SCREW FIX THE ALUMINIUM SUPPORT IN PLACE.			NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L9	3500 LUMEN / 30W 4000K LED	3000 LING 55MM SUSPENDED LED EXTRUSION C/W OPAL DIFFUSER AND INTEGRAL DRIVER CONFIRM THE SUSPENSION LENGTH ON SITE WITH THE ARCHITECT	TOYOTA RED	MATRIC SYSTEM L-R4 O-RED-G-9-40-M	A
L10	1200LUMENS 4000K LED	REPLACE THE EXISTING RECESSED DOWNLIGHT C/W REMOTE DRIVER UTILISE THE EXISTING CIRCUITING AND SWITCHING	WHITE TRIM	SAL LIGHTING ECOSTAR S9048TC	A
L11	3750 LUMEN 4000K LED	REPLACE THE EXISTING TROFFER LIGHT 600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER UTILISE THE EXISTING SWITCHING AND CIRCUITING	WHITE TRIM	SAL LIGHTING S9784/606TC/DP2	A



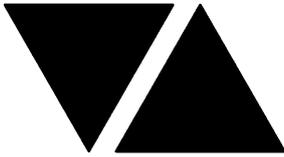
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L12	28W 4000K LED	RECESSED SQUARE DOWNLIGHT C/W REMOTE DRIVER	WHITE	HANECO AURORA SQ220A4K SAP: 2000061	A
L13	1200LUMENS 4000K LED	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	SAL LIGHTING ECOSTAR S9048TC	A
L14	4000 LUMENS 4000K	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	SAL LIGHTING RENMARK S9082R20TC/DP	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS CLIFE	A
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. CEILING 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. PROVIDE A CUSTOM WHITE COUNTER LEAVER MOUNTING BRACKET AS REQUIRED AS2293 CLASSIFICATION C0-D8 - C90-E3.2.	WHITE	CLEVERTRONICS LUB PRO SM	A
SWITCH PANEL (SP1)		EXISTING WALL MOUNTED MULTI GANG SWITCH PANEL TO BE MODIFIED AS NECESSARY TO ACCOMMODATE THE NEW LIGHTING. REMOVE ALL REDUNDANT SWITCHES PROVIDE BLANK INFILLS AS NECESSARY CLEAN AND UPDATE THE LABELLING.			A
LIGHTING CONTROL CHANNELS		PROVIDE LIGHTING CONTROLS CHANNELS 1 THROUGH TO 5 AS MANUAL SWITCHES ON SP1.			A
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 FACEPLATE	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 FACEPLATE	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 FACEPLATE	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 FACEPLATE	A



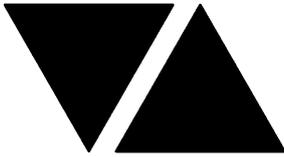
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
EXISTING POWER OUTLET		EXISTING POWER OUTLET TO BE PROVIDED WITH A NEW FACEPLATE AND BE RELOCATED +/- 500MM TO REFLECT THE NEW FURNITURE / JOINERY	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
SPECIAL PURPOSE OUTLET		SPECIAL PURPOSE OUTLET TYPE AS NOTED. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT.			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.	GREY	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.	GREY	CLIPSAL WHT35	A
ELECTRIC VEHICLE CHARGER (EVC)		THREE-PHASE WEATHERPROOF ISOLATOR FOR A ELECTRIC VEHICLE CHARGER MOUNTED IN A CONCEALED POSITION SUPPLIED FROM BELOW. COORDINATE THE POSITION WITH THE EVC SUPPLIER ON SITE RATING 32A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT.	GREY	CLIPSAL WHT35	A
AUTO DOOR ENTRY PUSH BUTTON (P1)		BLANK FACEPLATE C/W RECESSED DEEP WALL BOX AND A CONCEALED 32 DIA CONDUIT FROM THE WALL BOX TO THE AUTO DOOR MOTOR / CONTROLLER (M1) MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
AUTO DOOR EXIT PUSH BUTTON (P2)		BLANK FACEPLATE C/W RECESSED DEEP WALL BOX AND A CONCEALED 32 DIA CONDUIT FROM THE WALL BOX TO THE AUTO DOOR MOTOR / CONTROLLER (M1) MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
AUTO DOOR MOTOR / CONTROLLER (M1)		SINGLE 10 AMP POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE MOUNTED AT HIGH LEVEL IN A CONCEALED POSITION FOR THE AUTO DOOR MOTOR / CONTROLLER AS DIRECTED / COORDINATED WITH BY THE AUTO DOOR SUPPLIER ON SITE	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
SIGN CONNECTION		COORDINATE THE LOCATION AND CONNECTION WITH THE SIGN CONTRACTOR ENSURING THE GPO / ISOLATORS ARE CONCEALED FROM VIEW.			A



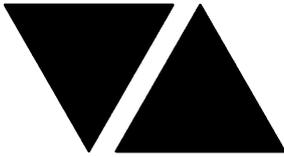
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
SPEAKER RECESSED		NEW BACKGROUND MUSIC RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE.			A
EXISTING SPEAKER RECESSED		REPLACE THE EXISTING BACKGROUND MUSIC SPEAKER WITH A RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE.			A
CAT 6 COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE COMMUNICATIONS RACK CR-A TERMINATED ONTO FACILITY PATCH PANELS VIA 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
EXISTING COMMUNICATIONS OUTLET		EXISTING COMMUNICATIONS OUTLET TO BE PROVIDED WITH A NEW FACEPLATE AND BE RELOCATED +/- 500MM TO REFLECT THE NEW FURNITURE / JOINERY	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
COMMUNICATIONS RACK CR-A		EXISTING COMMUNICATIONS RACK TO BE PROVIDED WITH ADDITIONAL PATCH PANELS AS NECESSARY TO ACCOMMODATE THE COMMUNICATIONS OUTLETS.			A
FLOOR BOX 1 (FB1)		RECESSED ROUND 275 DIA HEAVY DUTY FLOOR BOX C/W A 10 AMP GPO POWER SOCKET	STAINLESS STEEL	ELECTRIC CABLE DUCT SYSTEMS FBIP2SCF AND CLIPSAL IP66 GPO	A
FLOOR BOX 2 (FB2)		RECESSED ROUND 160 DIA HEAVY DUTY FLOOR BOX C/W A WHITE DOUBLE 10 AMP GPO POWER SOCKET A BLANK INFILL MODULE AND DOUBLE COMMUNICATIONS OUTLETS. LOCATE THE FLOOR BOX UNDER THE JOINERY SUCH THAT IT IS CONCEALED DURING NORMAL OPERATION	BRASS	ELECTRIC CABLE DUCT SYSTEMS FBIPBCF2P3D AND CLIPSAL C2000 COMMS OUTLETS	A
TABLE BOX (TB)		FLUSH RECESSED IN DESK BOX C/W TWO 10 AMP GPO POWER POINT SOCKETS 1 X USB A CHARGING POINT AND 1 X USB C CHARGING POINT. CONNECT THE TB TO A GPO IN THE FLOOR BOX BELOW VIA A CONCEALED FLEX CABLE.	WHITE	ELECTRIC CABLE DUCT SYSTEMS CAT NO. IDH2P2D	A
DB-A		EXISTING DISTRIBUTION BOARD TO BE PROVIDED WITH ADDITIONAL SWITCHGEAR TO ACCOMMODATE THE NEW DB-A CIRCUITS. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION.			A
DB-B		PROVIDE A NEW IP 66 DISTRIBUTION BOARD DB-B AS A 60 POLE 3 PHASE 250A CHASSIS WALL MOUNTED METAL PANEL BOARD WITH A 250 AMP NON AUTO / ISOLATOR MAIN SWITCH. CONFIRM THE LOCATION OF DB-B ON SITE. PROVIDE DB-B WITH A 4 CORE 70MM Cu XLPE / PVC SUBMAIN FROM A NEW MCCB IN THE TOYOTA MSB.			A



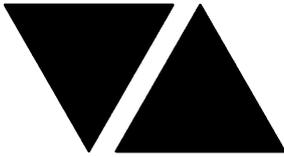
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MSB		EXISTING TOYOTA MAIN SWITCHBOARD PROVIDE A NEW 160AMP THREE PHASE MCCB TO SUPPLY THE NEW DB-B SUBMAIN UPDATE THE MSB LABELLING ONCE THE NEW MCCB IS INSTALLED.			A
CIRCUIT DB-A - P1		PROVIDE CIRCUIT DB-A -P1 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P1.			A
CIRCUIT DB-A - P2		PROVIDE CIRCUIT DB-A -P2 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P2.			A
CIRCUIT DB-A - P3		PROVIDE CIRCUIT DB-A -P3 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P3.			A
CIRCUIT DB-A - P4		PROVIDE CIRCUIT DB-A -P4 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P4.			A
CIRCUIT DB-A - P5		PROVIDE CIRCUIT DB-A -P5 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P5.			A
CIRCUIT DB-A - P6		PROVIDE CIRCUIT DB-A -P6 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P6.			A
CIRCUIT DB-A - P7		PROVIDE CIRCUIT DB-A -P7 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P7.			A
CIRCUIT DB-A - P8		PROVIDE CIRCUIT DB-A -P8 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING REF CIRCUIT IF IT IS MADE SPARE BY THE PROPOSED WORKS TO SUPPLY DB-A - P8.			A
CIRCUIT DB-A - P9		PROVIDE CIRCUIT DB-A -P9 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING DISH WASHER CIRCUIT IF IT IS MADE SPARE BY THE PROPOSED WORKS TO SUPPLY DB-A - P9.			A
CIRCUIT DB-A - P10		PROVIDE CIRCUIT DB-A -P10 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING AUTO BOILER CIRCUIT IF IT IS MADE SPARE BY THE PROPOSED WORKS TO SUPPLY DB-A - P10.			A
CIRCUIT DB-A - P11		PROVIDE CIRCUIT DB-A -P11 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P11.			A
CIRCUIT DB-A - P12		PROVIDE CIRCUIT DB-A -P12 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - P12.			A
CIRCUIT DB-A - L1		PROVIDE CIRCUIT DB-A -L1 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L1.			A
CIRCUIT DB-A - L2		PROVIDE CIRCUIT DB-A -L2 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L2.			A
CIRCUIT DB-A - L3		PROVIDE CIRCUIT DB-A -L3 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L3.			A
CIRCUIT DB-A - L4		PROVIDE CIRCUIT DB-A -L4 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L4.			A



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CIRCUIT DB-A - L5		PROVIDE CIRCUIT DB-A -L5 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L5.			A
CIRCUIT DB-A - L6		PROVIDE CIRCUIT DB-A -L6 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L6			A
CIRCUIT DB-A - L7		PROVIDE CIRCUIT DB-A -L7 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. IT IS ACCEPTABLE TO UTILISE AN EXISTING CIRCUIT IF IT HAS SUFFICIENT CAPACITY TO SUPPLY DB-A - L7			A
CIRCUIT DB-A - L8		PROVIDE CIRCUIT DB-A -L8 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-A. CONTROL CIRCUIT DB-L8 FROM THE EXISTING TIME CLOCK THAT CONTROLS THE EXITING EXTERNAL LIGHTING CIRCUITS.			A
CIRCUIT DB-B - P1		PROVIDE CIRCUIT DB-B -P1 AS A NEW 32 AMP RCB PROTECTED 6MM THREE PHASE CIRCUIT FROM THE NEW DISTRIBUTION BOARD DB-B.			A
CIRCUIT DB-B - P2		PROVIDE CIRCUIT DB-B -P2 AS A NEW 32 AMP RCB PROTECTED 6MM THREE PHASE CIRCUIT FROM THE NEW DISTRIBUTION BOARD DB-B.			A
CIRCUIT DB-B - P3		PROVIDE CIRCUIT DB-B -P3 AS A NEW 32 AMP RCB PROTECTED 6MM THREE PHASE CIRCUIT FROM THE NEW DISTRIBUTION BOARD DB-B.			A
CIRCUIT DB-B - P4		PROVIDE CIRCUIT DB-B -P4 AS A NEW 32 AMP RCB PROTECTED 6MM THREE PHASE CIRCUIT FROM THE NEW DISTRIBUTION BOARD DB-B.			A
FIRE INDICATOR PANEL		EXISTING COVERED AREA FIRE INDICATOR PANEL TO BE UPGRADED / MODIFIED AS NECESSARY TO ACCOMMODATE THE CHANGES AND ADDITIONS TO THE FIRE DETECTION AND ALARM SYSTEM			A
FIRE EVACUATION RECESSED SPEAKER		RECESSED ALERT AND EVACUATION SPEAKER TO AS1670.1. CONNECTED TO THE FIP. WHITE			A
SMOKE DETECTOR		SURFACE MOUNTED SMOKE DETECTOR TO AS1670.1 CONNECTED TO THE FIP. WHITE			A
THERMAL DETECTOR		SURFACE MOUNTED THERMAL DETECTOR TO AS1670.1. CONNECTED TO THE FIP. WHITE			A
SECURITY EQUIPMENT		REPLACE THE EXISTING SECURITY SYSTEM WITH A NEW REMOTELY MONITORED INNER RANGE INCEPTION SYSTEM			A
SECURITY INTRUDER DETECTOR		DUAL-TECHNOLOGY PASSIVE MOVEMENT DETECTOR CEILING / WALL MOUNTED AS PER THE MANUFACTURER'S SPECIFICATION. CONNECT TO THE SECURITY EQUIPMENT WITH ONE DETECTOR PER ZONE.			A

**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.

**LEGEND**

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD BY OTHERS.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  SIGNAGE OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  ELECTRICAL CABLE TRAY AS NOTED.
-  CONDUIT ROUTE.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  MULTIGANG SWITCHPANEL.
-  CIRCUIT LINE.
-  SWITCH LINE.

**DB-x - Py** POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.

**MDF**  MAIN DISTRIBUTION FRAME.

 ELECTRICAL EQUIPMENT AS NOTED.

 RJ45 COMMUNICATIONS OUTLET.

**FBx** FLUSH RECESSED TRAFFICABLE FLOOR BOX.

**TB** FLUSH RECESSED TABLE BOX.

 EXISTING POWER OUTLET TO BE PROVIDED WITH A NEW FACEPLATE.

 EXISTING COMMUNICATIONS OUTLET TO BE PROVIDED WITH A NEW FACEPLATE.

**EVC** ELECTRIC VEHICLE CHARGER.

**FIP** FIRE INDICATOR PANEL.

 SMOKE DETECTOR.

 THERMAL DETECTOR.

 ALERT AND EVACUATION SPEAKER.

 NEW BACKGROUND MUSIC SPEAKER.

 EXISTING BACKGROUND MUSIC SPEAKER TO BE REPLACED.

**P1** AUTO DOOR ENTRY PUSH BUTTON.

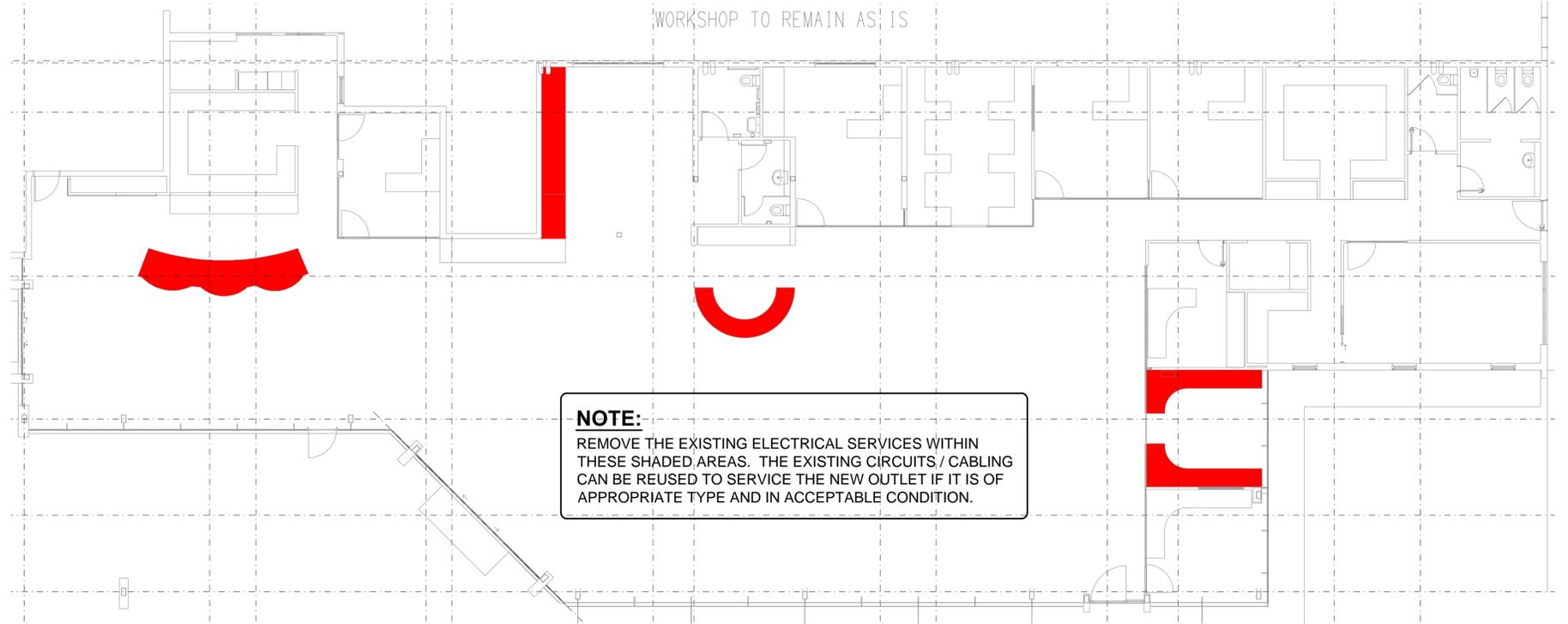
**P2** AUTO DOOR EXIT PUSH BUTTON.

**M1** AUTO DOOR MOTOR / CONTROLLER.

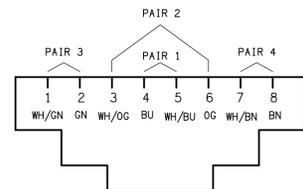
 INTRUDER DETECTION SENSOR.

**LEGEND**

- E1**  E1: GENERAL LED EMERGENCY LIGHT.
- EX**  EX: EMERGENCY LED EXIT LIGHT.
- Lx**  Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
- L1**  L1: SUSPENDED OPAL DIFFUSED LED BLACK EXTRUSION.
- L2**  L2: SUSPENDED OPAL DIFFUSED LED BLACK EXTRUSION MOUNTED WITHIN THE CEILING FEATURE RECESS.
- L3**  L3: LED STRIP LIGHT MOUNTED ON THE CEILING AGAINST THE WALL.
- L4**  L4: 600 x 600 TBAR LED FLAT PANEL TROFFER.
- L5**  L5: EXISTING BULKHEAD WALL LIGHT TO BE REMOVED.
- L6**  L6: EXISTING RECESSED DOWNLIGHT TO BE REMOVED.
- L7**  L7: LED STRIP LIGHT MOUNTED UNDER THE OVERHEAD CUPBOARD AGAINST THE SPLASHBACK.
- L8**  L8: LED STRIP LIGHT MOUNTED WITHIN THE JOINERY SKIRTING.
- L9**  L9: SUSPENDED OPAL DIFFUSED LED TOYOTA RED EXTRUSION.
- L10**  L10: EXISTING RECESSED DOWNLIGHT TO BE REPLACED.
- L11**  L11: REPLACE THE EXISTING TROFFER WITH 600 x 600 TBAR LED FLAT PANEL TROFFER.
- L12**  L12: RECESSED EXTERNAL LED DOWNLIGHT.
- L13**  L13: RECESSED LOUNGE LED DOWNLIGHT.
- L14**  L14: RECESSED HANDOVER LED DOWNLIGHT.



**EXISTING PLAN**  
 ELECTRICAL DEMOLITION WORKS  
 SCALE 1: 100



**SCHEMATIC**  
 RJ45 PINOUT CONFIGURATION  
 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.
- COMMUNICATIONS CABLING.
- FIRE ALARM SYSTEM.
- BACKGROUND MUSIC.
- INTRUDER DETECTION.
- AS CONSTRUCTED DOCUMENTS.
- 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 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.

### 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.
- AS1670.1.
- 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 EMERGENCY SERVICES.

## 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

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE MODIFICATION AND NEW CIRCUITS TO DB-A AS WELL AS THE PROVISION OF A NEW DISTRIBUTION BOARD DB-B. PROVIDE A NEW MCCB WITHIN THE TOYOTA MSB TO SUPPLY THE NEW DB-B VIA A NEW SUBMAIN. IT IS ACCEPTABLE TO UTILISE THE EXISTING CIRCUITS RETAINED OR REDUNDANT TO SUPPLY THE NEW OUTLETS IF THEY HAVE SUFFICIENT CAPACITY AND COMPLY WITH THE CURRENT VERSION OF AS3000.

IN ADDITION TO THE NEW POWER OUTLETS, THERE ARE EXISTING POWER OUTLETS THAT NEED TO BE PROVIDED WITH NEW FACEPLATES AND RELOCATED TO SUIT THE NEW FURNITURE / JOINERY LAYOUT.

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

ANY INTERRUPTION TO THE POWER SUPPLY TO ANY SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE VENUES OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.

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

- POWER DISTRIBUTION.
- DB-A MODIFICATIONS AND UPGRADES.
- MCCB IN THE TOYOTA MSB TO SUPPLY THE NEW DB-B.
- DB-B AS DETAILED IN THE EQUIPMENT SCHEDULE.
- DB-B SUBMAINS.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- FLOOR BOXES.
- TABLE BOXES.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.

REFER TO THE EQUIPMENT SCHEDULE FOR THE CIRCUIT DETAILS.

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

MODIFY AND CLEAN THE EXISTING LIGHTING CONTROL SWITCHPANEL SP1 TO ACCOMMODATE THE NEW LIGHTING.

### 8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES PROVIDING ADDITIONAL CAT 6 COMMUNICATIONS OUTLETS SUPPLIED FROM CR-A.

IN ADDITION TO THE NEW COMMUNICATIONS OUTLETS, THERE ARE EXISTING COMMUNICATIONS OUTLETS THAT NEED TO BE PROVIDED WITH NEW FACEPLATES AND RELOCATED TO SUIT THE NEW FURNITURE / JOINERY LAYOUT.

ANY INTERRUPTION TO THE VENUES COMMUNICATIONS SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE VENUES OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.

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

- PATCH PANELS IN CR-S AS NECESSARY.
- CAT 6 COMMUNICATIONS OUTLETS AND CABLING.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING COMMUNICATIONS CABLING MADE REDUNDANT BY THE WORKS.

## NOTES

### 9. FIRE ALARM SYSTEM

THE FIRE ALARM SYSTEM COMPONENT OF THIS CONTRACT INCLUDES MODIFYING THE EXISTING FIRE ALARM SYSTEM SUCH THAT IT IS AS1670.1 COMPLIANT THROUGHOUT THE AREA OF THE WORKS. THE EXISTING FIP IS TO BE RETAINED AND UPGRADED AS NECESSARY TO FACILITATE THE CHANGES AND ADDITIONS. REPLACE THE FIP ZONE INDICATION PLAN. ALL OF THE EXISTING SPEAKERS, DETECTORS, AND CABLING THAT BECOME REDUNDANT ARE TO BE REMOVED. ANY INTERRUPTION TO THE FIRE ALARM SYSTEM TO ANY SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE VENUES OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.

THE EXISTING CONCEALED SPACE DETECTORS WITHIN THE AREA OF THE WORKS ARE TO BE RETAINED AND PROVIDED WITH NEW REMOTE INDICATORS AND ACCESS AS PER AS1670.1.

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

- UPGRADING THE EXISTING FIP.
- DETECTORS AND SPEAKERS.
- CABLE ACCESS WAYS.
- CABLING.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.

### 10. BACKGROUND MUSIC

THE BACKGROUND MUSIC COMPONENT OF THIS CONTRACT INCLUDES REPLACING THE ENTIRE EXISTING BACKGROUND MUSIC SYSTEM WITH A NEW BACKGROUND MUSIC SYSTEM WITH ALL NEW SPEAKERS. PROVIDE A NEW AMPLIFIER WITHIN THE COMMUNICATIONS RACK TO SUPPLY THE SPEAKERS.

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

- AMPLIFIER.
- 100 VOLT MULTI TAP SPEAKERS.
- CABLE ACCESS WAYS.
- CABLING.
- BALANCING.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.

PROVIDE A SWITCH ON SP1 TO CONTROL THE POWER SUPPLY TO THE AMPLIFIER TO FACILITATE THE AMPLIFIER BEING TURNED OFF AFTER HOURS.

REMOVE ALL OF THE EXISTING WALL MOUNTED VOLUME CONTROLLERS.

THE OPERATOR WILL PROVIDE THE AUDIO SOURCE LOCATED IN CR-A.

### 11. INTRUDER DETECTION

THE INTRUDER DETECTION COMPONENT OF THIS CONTRACT INCLUDES REPLACING THE ENTIRE EXISTING INTRUDER DETECTION SYSTEM WITH A NEW REMOTELY MONITORED INNER RANGE INCEPTION SYSTEM WITH ALL NEW DETECTORS. IN ADDITION TO THE INTRUDER DETECTION SERVICES SHOWN ON THE PLANS, ALLOW FOR THE FOLLOWING ADDITIONAL SERVICES TO BE LOCATED ON SITE OF WHICH POSITIONS MAY BE OUTSIDE OF THE PRIMARY WORKS AREA ON OTHER LEVELS:

- 12 DETECTORS.
- 2 ARMING / DISARMING KEY PAD.
- 1 EXTERNAL SATELLITE STRODE.
- 1 PIZED SIREN.

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

- NEW INNER RANGE INCEPTION SYSTEM SYSTEM C/W INTEGRAL BATTERY BACKUP AND REMOTE MONITORING.
- POWER SUPPLY INCLUDING A 240 VOLT CONNECTION AS NECESSARY.
- DETECTORS.
- ARMING / DISARMING KEY PAD.
- EXTERNAL SATELLITE STRODE.
- PIZED SIREN.
- CABLE ACCESS WAYS.
- CABLING.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.

### 12. 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.  
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.

C	CONSTRUCTION	07/08/2024
REV:	DESCRIPTION:	DATE:

DRAWING:  
**ELECTRICAL SERVICES  
NOTES**

SCALE:  
NOT TO SCALE AT A1

PROJECT NO:  
**C3142a**

DRAWING NO:  
**E02**

REVISION:  
**C**

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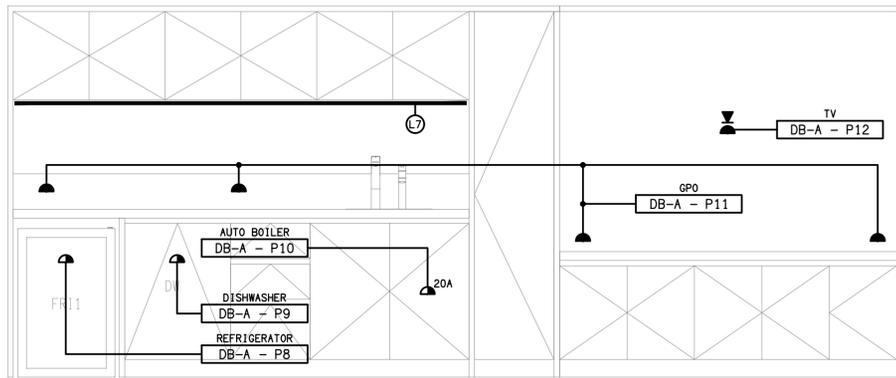
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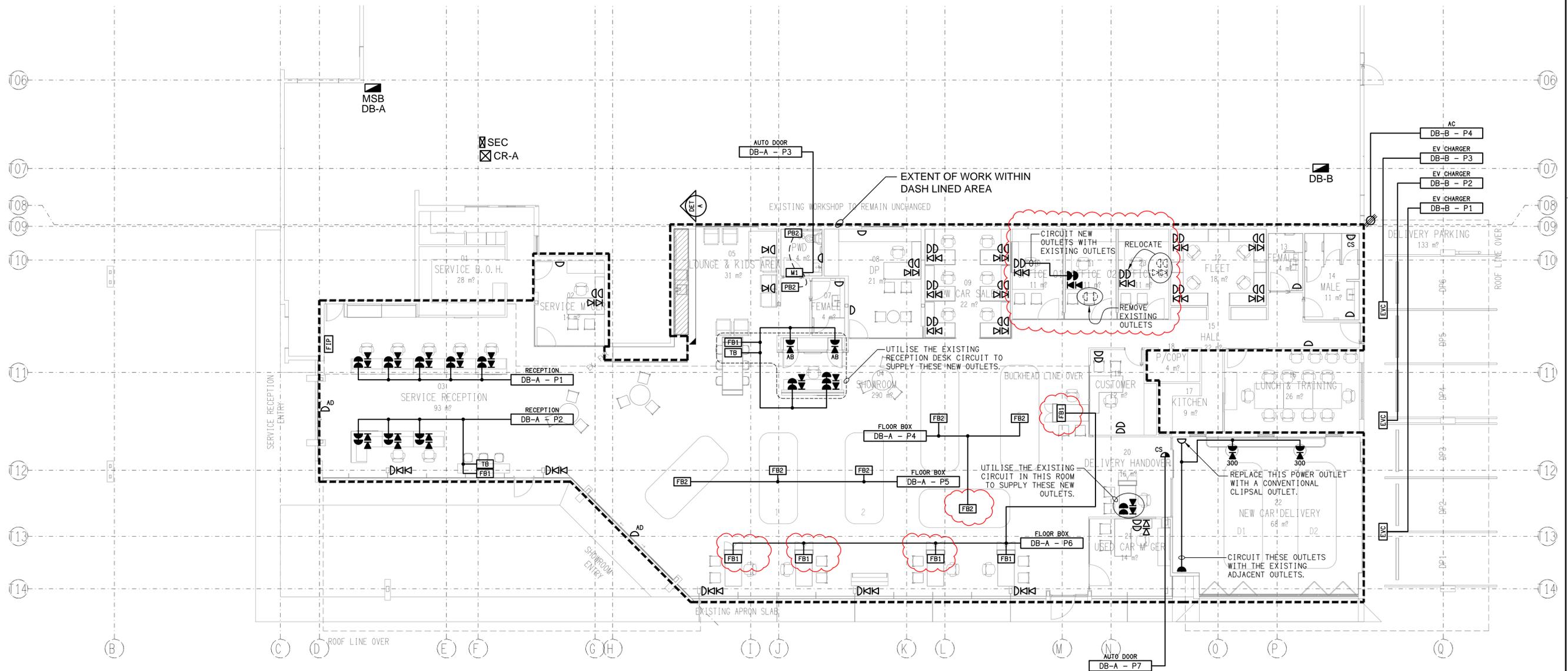
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**DETAIL A**  
LOUNGE KITCHENETTE WALL ELEVATION  
SCALE 1:20



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DRAWING:  
**ELECTRICAL SERVICES  
FLOOR PLAN**

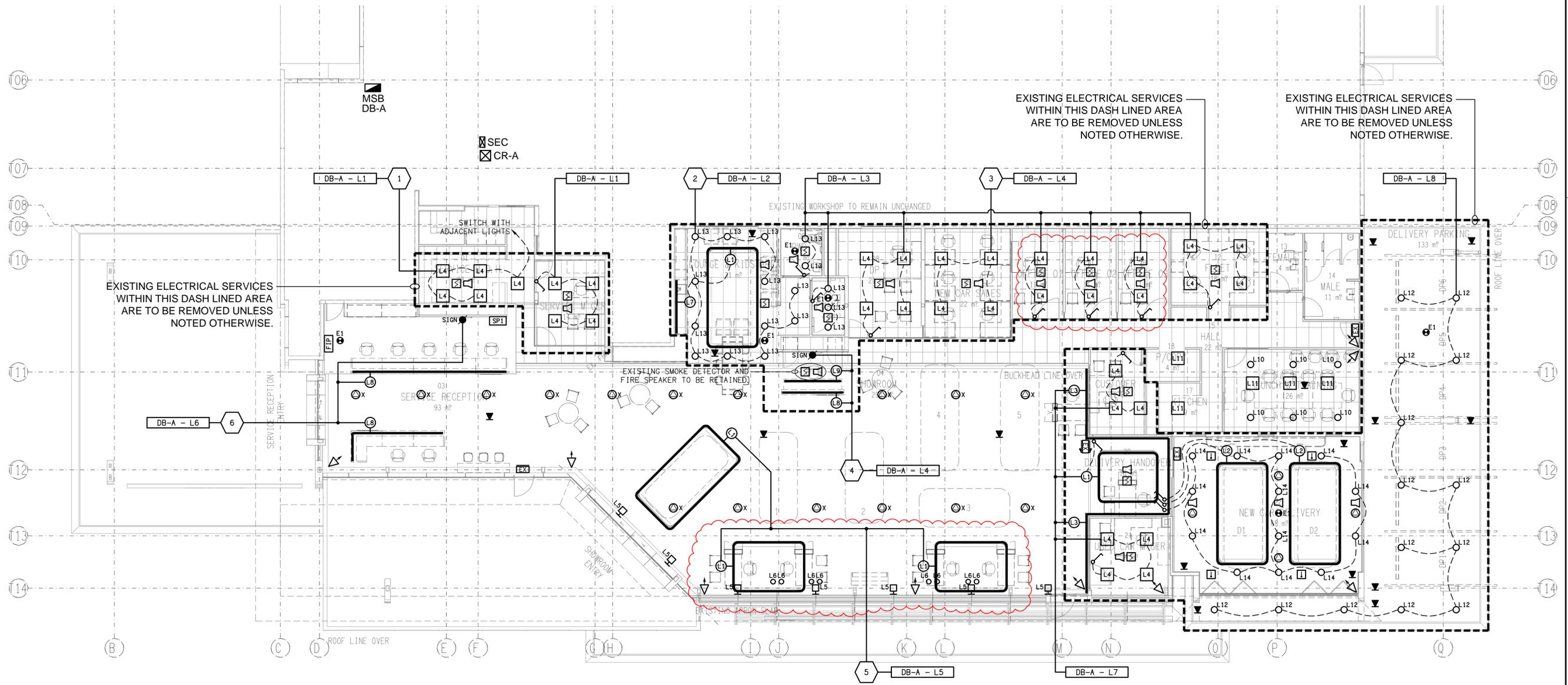
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AT A1

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PROJECT:  
**TOYOTA NORTH LAKES**  
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C	CONSTRUCTION	07/08/2024
REV.	DESCRIPTION:	DATE:
DRAWING: <b>ELECTRICAL SERVICES REFLECTED CEILING PLAN</b>		
SCALE: 1:100 UNO	AT A1	PROJECT NO: <b>C3142a</b>
		DRAWING NO: <b>E04</b>
		REVISION: <b>C</b>