

C3618a - EAGERS KIA IPSWICH

C3618a-0001(B).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION B - 28 APRIL 2026

ISSUING INFORMATION				DATE OF ISSUE									
				DAY	07	28							
				MONTH	04	04							
				YEAR	26	26							
REASON FOR ISSUE				P	T								
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY			T = TENDER				

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ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 28 APRIL 2026

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/links.html					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
LL1	3000K LED 17.2W / M	FLUSH CEILING RECESSED EXTRUSION C/W OPAL DIFFUSER PROVIDE REMOTE DRIVER / POWER SUPPLY LOCATED IN A CONCEALED ACCESSIBLE POSITION INDICATED ON THE AS CONSTRUCTED DRAWINGS	WHITE	MELEC ML-VL-17.2-WW + ML-ALUR-K-V3	B
LL2	2 X 22W 4000K LED EACH	TWO HEAD RECTANGULAR DOWNLIGHT FITTING C/W REMOTE DRIVER MOUNT THE FITTING IN THE CEILING RECESS	BLACK	GAMMA ILLUMINATION SNOVO 1607-2L*4K*22W	B
LL3	RED LED 9W/M	FLUSH RECESSED INFINITY LED FLEX TO RUN ACROSS THE CEILING DOWN THE WALL ACROSS THE FLOOR BACK UP THE WALL TO JOIN BACK INTO THE CEILING STRIP PROVIDE REMOTE DRIVER / POWER SUPPLY LOCATED IN A CONCEALED ACCESSIBLE POSITION INDICATED ON THE AS CONSTRUCTED DRAWINGS	RED	KLUS HR-LINE	B
DL1	1200LUMENS 4000K LED	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	SAL LIGHTING ECOSTAR S9048TC	B
DL2	1200LUMENS 4000K LED	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	SAL LIGHTING ECOSTAR S9048TC	B
CL1	28W / M 5700K LED CRI 90	ROD SUSPENDED CURVED EXTRUSION SHAPED AND SIZED AS SHOWN ON THE REFLECTED CEILING PLAN INTEGRAL DRIVER AND OPAL DIFFUSER CONFIRM THE SUSPENSION HEIGHT ON SITE WITH THE ARCHITECT	WHITE	HAWKO H5075C	B
P1	EXISTING POLE LIGHT TO BE RETAINED AND RESUPPLIED FROM DB-K AS INDICATED				A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE SF1LEDP LITHIUM BATTERY	A
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN AND A IP56 HOUSING CEILING OR WALL MOUNT BETWEEN 2100mm & 2700mm AFFL IF THERE IS NO VERTICAL SURFACE TO MOUNT THE FITTING ON WITHIN THIS RANGE CONFIRM THE MOUNTING HEIGHT WITH THE ENGINEER. AS2293 CLASSIFICATION C0-D3.2 - C90-E2.	WHITE LOGO GREEN BACKGROUND WHITE BODY	STANILITE PLQLEDP LITHIUM BATTERY	A



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
SPEAKER RECESSED		15W CEILING RECESSED MULTI TAP 100V 8 OHM PUBLIC ADDRESS DUAL CONE SPEAKER CABLED BACK TO THE ASSOCIATED AMPLIFIER WITHIN THE COMMUNICATIONS RACK VIA 1.5MM MARKED FIG 8 CABLE.	WHITE	AUSTRALIAN MONITOR QF8CS	B
PROXIMITY DETECTOR SWITCH (PD)		ADJUSTABLE FLUSH RECESSED 360 DEGREE PIR PRESENCE DETECTOR TO OPERATE THE ASSOCIATED LIGHTS FOR A PRE-SET AMOUNT OF TIME. ADJUST THE TIME AND SENSITIVITY ON SITE AS DIRECTED BY THE ENGINEER. SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	WHITE	CLIPSAL	A
LIGHTING CONTROL SWITCH PANEL 1 (SP1)		WALL MOUNTED MULTI GANG SWITCH PANEL TO CONTAIN LABELLED SWITCHES AS PER THE SP1 DETAIL. PROVIDE BLACK ENGRAVING ON THE FACEPLATE TO INDICATE THE SWITCH USE. PROVIDE A SHOP DRAWING OF SP1 FOR APPROVAL.	WHITE	CLIPSAL C2000 SERIES	A
CHANNEL x		CONTROL CHANNEL WITH A NUMERICAL REFERENCE. REFER TO THE POWER AND LIGHTING CONTROL SCHEMATIC / SCHEDULE			A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O.	WHITE GENERAL, BLACK WORKSHOP	CLIPSAL C2000 SERIES	A
DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O	WHITE GENERAL, BLACK WORKSHOP	CLIPSAL C2000 SERIES	A
POWER OUTLET USB		DOUBLE POWER OUTLET C/W USB A AND USB C CHARGER, CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT ABOVE BENCH	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
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
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



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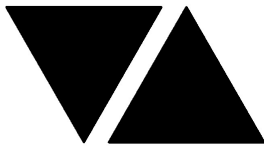
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 28 APRIL 2026

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/links.html					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
THREE-PHASE ISOLATOR		THREE-PHASE WEATHERPROOF ISOLATOR. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT. "RSD" DENOTES ROLLER SHUTTER DOOR SUPPLY - COORDINATE LOCATION ONSITE WITH MOTOR.	-	CLIPSAL WHT35	A
HAND DRYER CONNECTION (HD)		20A ISOLATING SWITCH WALL MOUNTED AT 2400mm AFFL AND CONNECTED TO THE HAND DRYER UNIT AS PER DETAIL.	WHITE	CLIPSAL C2000 SERIES 30USM	A
CAT 6 COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE COMMUNICATIONS RACK CR-C 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. MOUNT AT 300 AFFL U.N.O.	GENERAL WHITE UNLESS NOTED AS BLACK (BK). WORKSHOP ALL BLACK	CLIPSAL C2000 SERIES KRONE JACK C/W SHUTTER	A
COMMUNICATIONS RACK CR-A		EXISTING COMMUNICATIONS RACK TO BE UPGRADED AS NECESSARY AND PROVIDED WITH ADDITIONAL PATCH PANELS TO ACCOMMODATE THE ADDITIONAL COMMUNICATIONS OUTLETS. REMOVE ALL REDUNDANT CABLING AND UPDATE THE PORT NUMBERING.			A
COMMUNICATIONS RACK CR-B		EXISTING COMMUNICATIONS RACK TO REMAIN AS IS			A
COMMUNICATIONS RACK CR-C		PROVIDE A NEW COMMUNICATIONS RACK HARD AGAINST THE LEFT HAND SIDE OF CR-A. THE NEW COMMUNICATIONS RACK IS TO MATCH CR-A IN SIZE AND APPEARANCE. PROVIDE MODULARE CAT 6 PATCH PANELS TO ACCOMMODATE THE ADDITIONAL COMMUNICATIONS OUTLETS.			A
DB-K		NEW DISTRIBUTION BOARD DB-K REFER TO THE NOTES AND DISTRIBUTION BOARD DB-K SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE A SHOP DRAWING OF THE DB FOR APPROVAL.			A
DB-1		EXISTING DISTRIBUTION BOARD DB-1 INTEGRAL TO THE MSB. REMOVE ALL SWITCHGEAR MADE REDUNDANT BY THE WORKS.			A
MSB		EXISTING MSB TO BE PROVIDED WITH A NEW 100 AMP THREE PHASE MCCB TO SUPPLY DB-K VIA A 4C+E 35MM SUBMAIN.			B
FLOOR BOX (FB1)		INSITU FLUSH FLOOR BOX C/W A DOUBLE GPOS+ 2 COMMUNICATIONS OUTLETS ON THE SAME FACEPLATE. PROVIDE A 32 DIA CONDUIT C/W A SPARE DRAW WIRE FROM THE REAR OF THE COMMUNICATIONS FACEPLATE TO THE CEILING SPACE ABOVE THE COMMUNICATIONS RACK CR-A. PROVIDE THE GPOS AND COMMUNICATIONS OUTLETS AS PER THE STANDARD DESCRIPTIONS.	STAINLESS STEEL	ECD FB2SHD	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



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







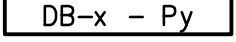









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DISTRIBUTION BOARD DB-K











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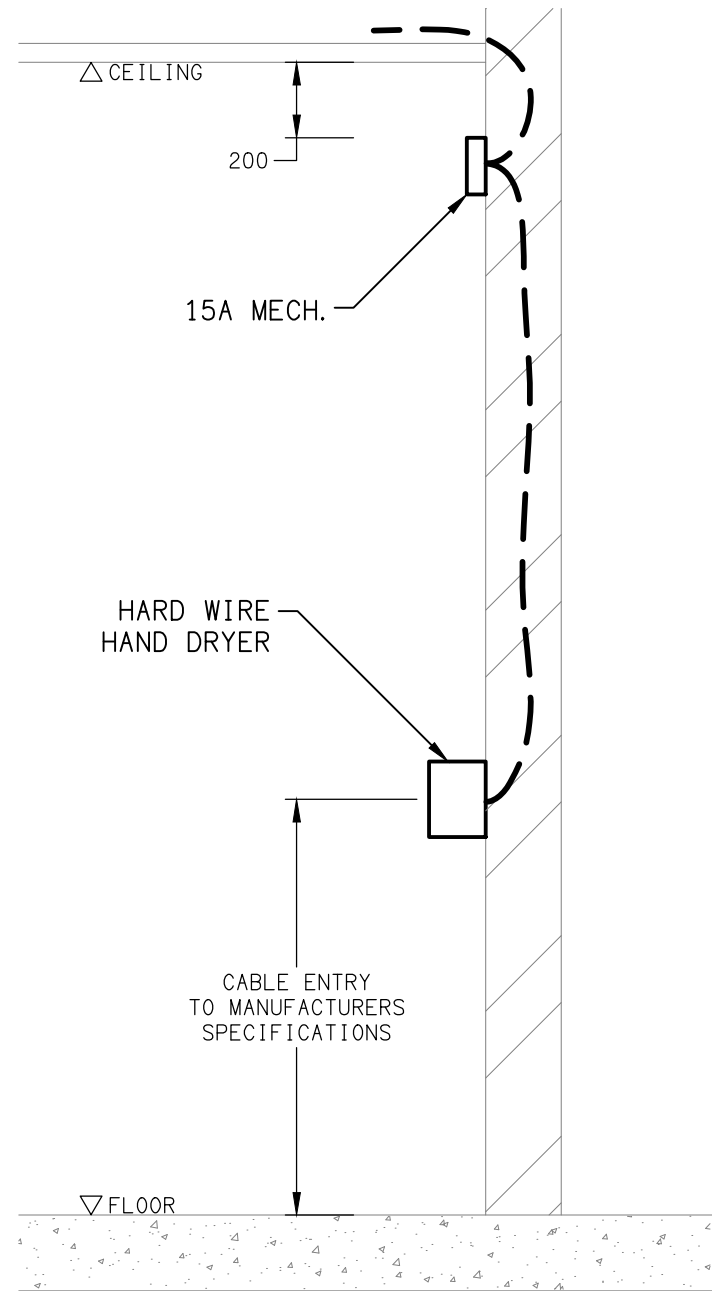
<div> <div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 72 POLES</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> </div> <div> <div>MAIN SWITCH: 160A LOAD BREAK NON AUTO</div> <div>SUPPLIED FROM: MSB</div> <div>CABLE: 4C+E 35</div> </div>							REV
							A
							A
							A
PROVIDE THE DB WITH A 600 WIDE EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROLS . PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. RECONNECT THE EXISTING CIRCUITS THAT REMAIN WITH NEW AS3000 COMPLIANT SWITCHGEAR THAT MATCHES THE EXISTING CAPACITY AND FUNCTION. UPDATE THE SCHEDULE WITH THE CIRCUIT USE AND LOCATION AT PRACTICAL COMPLETION							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	A
P1	3	63	MCB	16.0	ROOF	AC CU1	A
P2	1	20	RCBO	2.5	ROOF	MAINTENANCE GPO	A
P3	1	20	RCBO TC ON / OFF	2.5	INTERNAL	TOILET EXHAUST	A
P4	3	32	RCBO	6.0	INTERNAL	19.4KW HWS	A
P5	1	20	RCBO	2.5	INTERNAL	OUTSIDE AIR	A
P6	1	20	RCBO	2.5	INTERNAL	CLEANING GPOS	A
P7	1	20	RCBO	2.5	INTERNAL	AUTO DOOR	A
P8	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P9	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P10	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P11	1	20	RCBO	2.5	INTERNAL	TV	A
P12	1	20	RCBO	2.5	INTERNAL	SALES RECEPTION	A
P13	1	20	RCBO	2.5	INTERNAL	HAND DRYER	A
P14	1	20	RCBO	2.5	INTERNAL	REF	A
P15	1	20	RCBO	2.5	INTERNAL	DISHWASHER	A
P16	1	20	RCBO	2.5	INTERNAL	AUTO BOILER	A
P17	1	20	RCBO	2.5	INTERNAL	KITCHEN GPOs	A
P18	1	20	RCBO	2.5	INTERNAL	COFFEE	A
P19	1	20	RCBO	2.5	INTERNAL	DISPLAYS	A
P20	1	20	RCBO	2.5	INTERNAL	OFFICE	A
							A
							A
L1	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L2	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L3	1	20	RCBO C1	2.5	INTERNAL	LIGHTS	A
L4	1	20	RCBO	2.5	INTERNAL	INFINITY LOOP	A
L5	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L6	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L7	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L8	1	20	RCBO C3	2.5	INTERNAL	LIGHTS	A
L9	1	20	RCBO C4	2.5	INTERNAL	DISPLAY	A
L10	1	20	RCBO C4	2.5	INTERNAL	SIGNS	A
L11	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNAGE	A
L12	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SIGNAGE	A
L13	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	PYLON	A
L14	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	POLE LIGHTS	A
							A
							A

LEGEND

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  SPECIAL PURPOSE POWER OUTLET.
-  SIGNAGE OUTLET CONNECTION.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  JUNCTION BOX / RISER, TYPE AS NOTED.
-  CONDUIT ROUTE.
-  ELECTRICAL FLOOR BOX, TYPE AS NOTED.
-  HAND DRYER CONNECTION.
-  LIGHTING PRESENCE DETECTOR SWITCH.
-  LIGHTING CONTROL SWITCH PANEL, TYPE AS NOTED.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  LIGHTING CONTROL CHANNEL REFERENCE.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  CIRCUIT BREAKER.
-  ISOLATOR.
-  CONTACTOR - NORMALLY OPEN.
-  CONTACTOR - NORMALLY CLOSED.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  RECESSED BACKGROUND MUSIC SPEAKER.

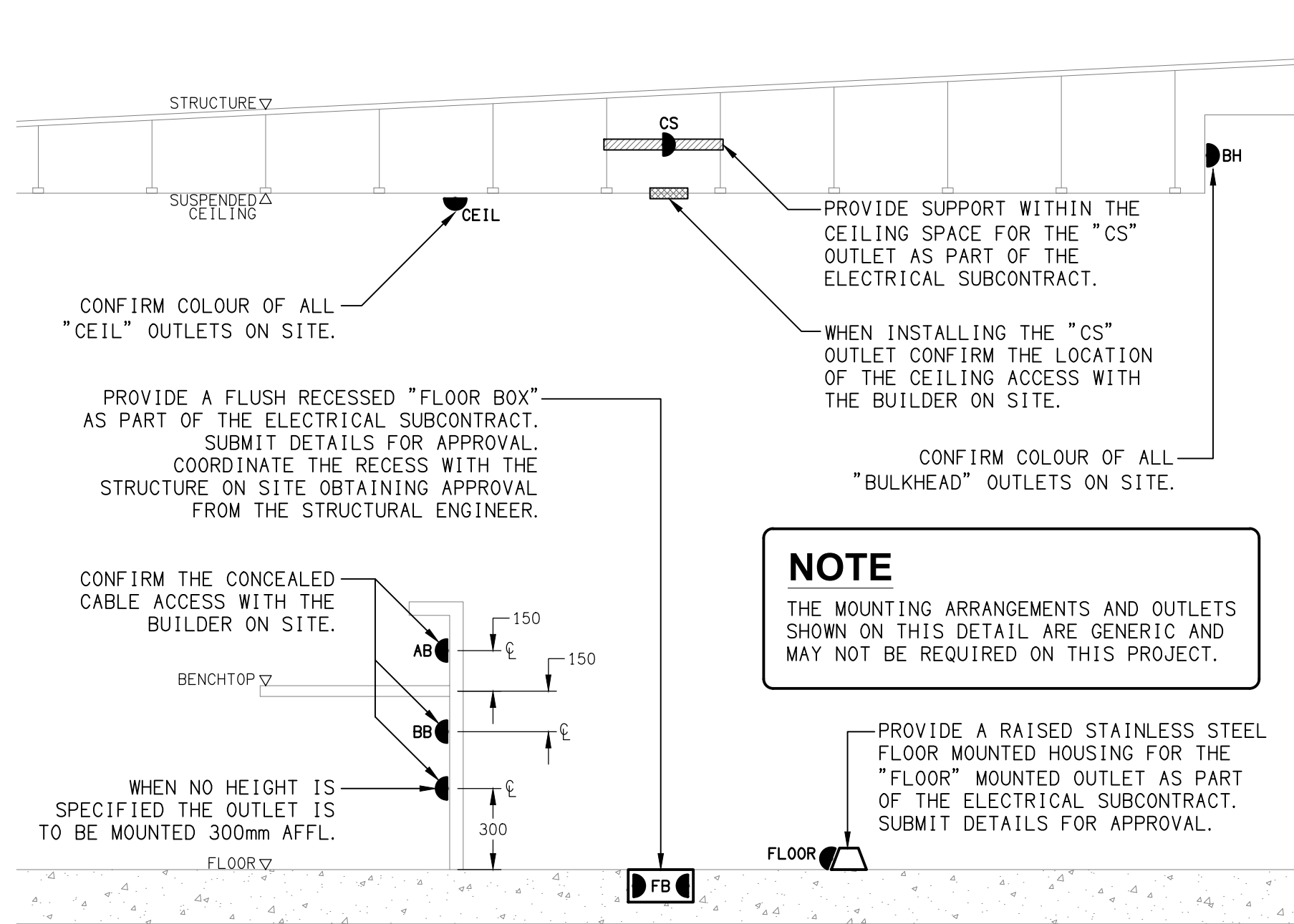
LEGEND

-  E1: GENERAL LED EMERGENCY LIGHT.
-  EX: EMERGENCY LED EXIT LIGHT.
-  Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
-  LL1: FLUSH CEILING RECESSED EXTRUSION LIGHT, WHITE.
-  LL2: TWO HEAD RECTANGULAR DOWNLIGHT MOUNTED WITHIN CEILING RECESS, BLACK.
-  LL3: FLUSH RECESSED LED FLEX INFINITY LOOP, RED.
-  DL1: RECESSED DOWNLIGHT, WHITE.
-  DL2: RECESSED DOWNLIGHT, WHITE.
-  CL1: ROD SUSPENDED RECTANGULAR EXTRUSION WITH CURVED CORNERS, WHITE.
-  P1: EXISTING POLE LIGHT LIGHT TO BE RETAINED.



DETAIL

HAND DRYER CONNECTION
NOT TO SCALE

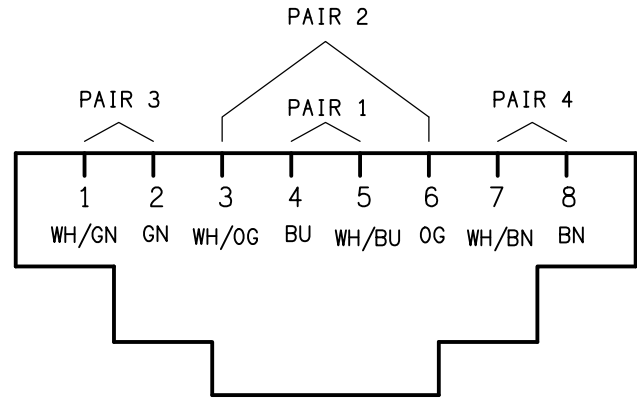


DETAIL

TYPICAL OUTLET MOUNTINGS
NOT TO SCALE

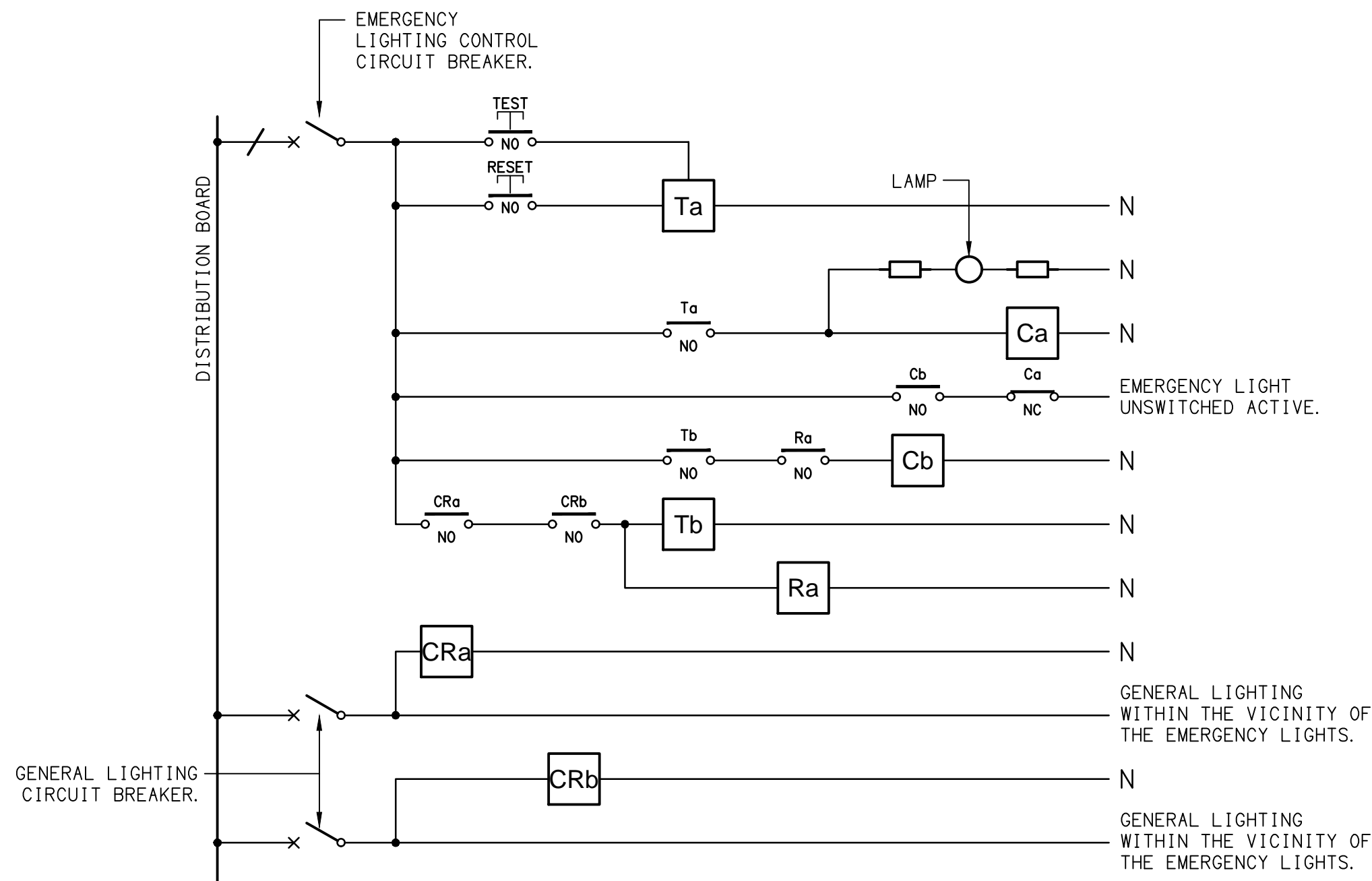
EQUIPMENT:

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



SCHEMATIC

RJ45 PINOUT CONFIGURATION
NOT TO SCALE



SCHEMATIC

EMERGENCY LIGHTING
NOT TO SCALE

NOTES

- THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.
- PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.

B	TENDER	28/04/2026
REV:	DESCRIPTION:	DATE:

DRAWING:
**ELECTRICAL SERVICES
LEGEND & DETAILS**

SCALE: NOT TO SCALE	AT A1	PROJECT NO: C3618a	DRAWING NO: E01	REVISION: B
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PROJECT:
EAGERS KIA IPSWICH

1 BRISBANE ROAD, BUNDAMBA, QUEENSLAND

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.
- BACKGROUND MUSIC.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE ELECTRICAL SERVICES INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, AND ALL OTHER ITEMS, WHETHER MENTIONED IN DETAIL OR NOT, REQUIRED FOR THE SATISFACTORY COMPLETION OF THE ELECTRICAL SERVICES INSTALLATION, LEAVING IN FULL WORKING ORDER TO THE SATISFACTION OF THE PROJECT MANAGER.

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.

ACCEPT FULL RESPONSIBILITY FOR LIASING, ARRANGING AND CO-ORDINATION 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.
- AS2293.
- 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 CIRCUIT 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 PROVIDING A NEW DISTRIBUTION BOARD DB-K TO ACCOMMODATE THE NEW CIRCUITS ASSOCIATED WITH THE NEW BUILDING. THE EXISTING SITE MSB IS TO BE PROVIDED WITH A NEW MCCB TO SUPPLY / PROTECT THE NEW SUBMAIN TO DB-K. REMOVE ALL EXISTING ELECTRICAL SERVICES THAT BECOME REDUNDANT.

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

- POWER DISTRIBUTION.
- DISTRIBUTION BOARD DB-K.
- MCCB IN THE MSB.
- DB-K SUBMAIN.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.

PROVIDE THE DB-K AS/WITH:

- SHOP DRAWINGS FOR APPROVAL.
- WALL MOUNTED.
- LIGHT GREY ENCLOSURE.
- WHITE ESCUTCHEONS WITH LIFT OFF HINGES AND 1/4 TURN LATCHES TO SECURE THE ESCUTCHEON THAT REMAIN PART OF THE ESCUTCHEON.
- 92268 KEY LOCKABLE DOOR.
- FORM 1

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

7. LIGHTING

ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT WITH THE EXCEPTION OF THE L1 FITTINGS WHICH ARE TO BE SUPPLIED BY THE CLIENT. 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 INCLUDING ALL NEW SWITCHGEAR AND CONTROLS.
- REMOVAL OF ALL EXISTING REDUNDANT LIGHTING SERVICES.

PROVIDE A SINGLE POINT EMERGENCY LIGHTING SYSTEM THAT COMPLIES WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS MAINTAINED WITH THE LAMP PERMANENTLY ON SUPPLIED VIA AN UNSWITCHED ACTIVE MAINS SUPPLY WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE, THE LAMP IS TO REMAIN ON SUPPLIED BY THE EMERGENCY PACK. SINGLE LAMP MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ALWAYS ON.)

INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS NON-MAINTAINED AS FOLLOWS:

- IF THE FITTING IS NOT BEING SWITCHED, THE LAMP IS TO REMAIN OFF WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON SUPPLIED BY THE EMERGENCY PACK. UNSWITCHED SINGLE LAMP NON-MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ON ONLY WHEN THE MAINS SUPPLY IS NOT AVAILABLE.)
- IF THE FITTING IS BEING SWITCHED, THE LAMP IS TO BE SUPPLIED AND CONTROLLED WITH THE LOCAL GENERAL AREA LIGHTING WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON, SUPPLIED BY THE EMERGENCY PACK. (THE LAMP IS ON WHEN TURNED ON WITH THE LOCAL GENERAL LIGHTING OR THE MAIN SUPPLY IS NOT AVAILABLE.)

INSTALL EMERGENCY LIGHTS SUCH THAT THE STATUS INDICATOR L.E.D. IS CLEARLY VISIBLE AND THE TEST BUTTONS ARE READILY ACCESSIBLE. LABEL EACH CIRCUIT BREAKER WHICH CONTROLS THE UNSWITCHED ACTIVE TO EXIT LIGHTS WITH A LABEL FIXED ADJACENT; ENGRAVED PLASTIC LAMINATE, GREEN BACKGROUND WITH WHITE CHARACTERS: -

WARNING
INTERRUPTING SUPPLY WILL DISCHARGE
EMERGENCY LIGHTING BATTERIES

PROVIDE WRITTEN EVIDENCE OF THE INITIAL COMMISSIONING AND TESTING AND TESTING FOR THE DURATION OF THE MAINTENANCE PERIOD IN ACCORDANCE WITH AS 2293. 2.

THIS EVIDENCE IS TO BE IN THE FORM OF A LOG BOOK SIMILAR TO THE GENERAL LIGHTING SERVICE PTY LTD "EMERGENCY LIGHTING MAINTENANCE LOG BOOK AND MANUAL" WHICH IS TO BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR AND HAVE ALL ENTRIES FULLY COMPLETED AND BE PRESENTED FOR INSPECTION AT PRACTICAL COMPLETION. THE LOG BOOK IS TO BE RETAINED BY THE ELECTRICAL SUB-CONTRACTOR FOR THE DURATION OF THE MAINTENANCE PERIOD, AND THE SIX MONTHLY TEST AND MAINTENANCE RESULTS ENTERED. THE LOG BOOK IS TO BE PRESENTED FOR APPROVAL AT FINAL COMPLETION (EXPIRY OF THE MAINTENANCE PERIOD) AND WILL BE FORWARDED TO THE OPERATOR FOR THEIR USE.

PROVIDE MAINTENANCE OF THE EMERGENCY AND EXIT LIGHTING INSTALLATION INCLUDING RECORDS IN ACCORDANCE WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. PROVIDE THE EMERGENCY LIGHTING SYSTEM WITH A SUPPLY SENSING AND TESTING FACILITY IN ACCORDANCE WITH AS 2293. 1.

NOTES

8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES NEW COMMUNICATIONS OUTLETS CABLED TO A NEW COMMUNICATIONS RACK CR-C LOCATED HARD AGAINST THE EXISTING COMMUNICATIONS RACK CR-A. PROVIDE ADDITIONAL PATCH PANELS AS NECESSARY TO ACCOMMODATE THE ADDITIONAL COMMUNICATIONS OUTLETS. THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

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

9. BACKGROUND MUSIC.

THE BACKGROUND MUSIC COMPONENT OF THIS CONTRACT INCLUDES MULTI TAP 100V SPEAKERS CABLED TO A POWER AMPLIFIER MOUNTED WITH IN THE TOP OF COMMUNICATIONS RACK CR-C. PRIOR TO PRACTICAL COMPLETION, PROVIDE A TEMPORARY MUSIC SOURCE TO AIM / BALANCE THE SPEAKERS ON SITE AS DIRECTED BY THE OPERATOR. SIZE THE AMPLIFIER TO ACCOMMODATED DOUBLE THE NUMBER OF SPEAKERS DETAILED ALL TAPPED AT 100%. ENSURE THE AMPLIFIER CONTAINS A VOLUME SWITCH.

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

- SPEAKERS.
- RACK MOUNTED AMPLIFIER.
- CO-ORDINATION.
- TESTING, COMMISSIONING AND BALANCING.
- MAINTENANCE.
- OPERATION AND MAINTENANCE MANUAL.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE PUBLIC ADDRESS SYSTEM INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

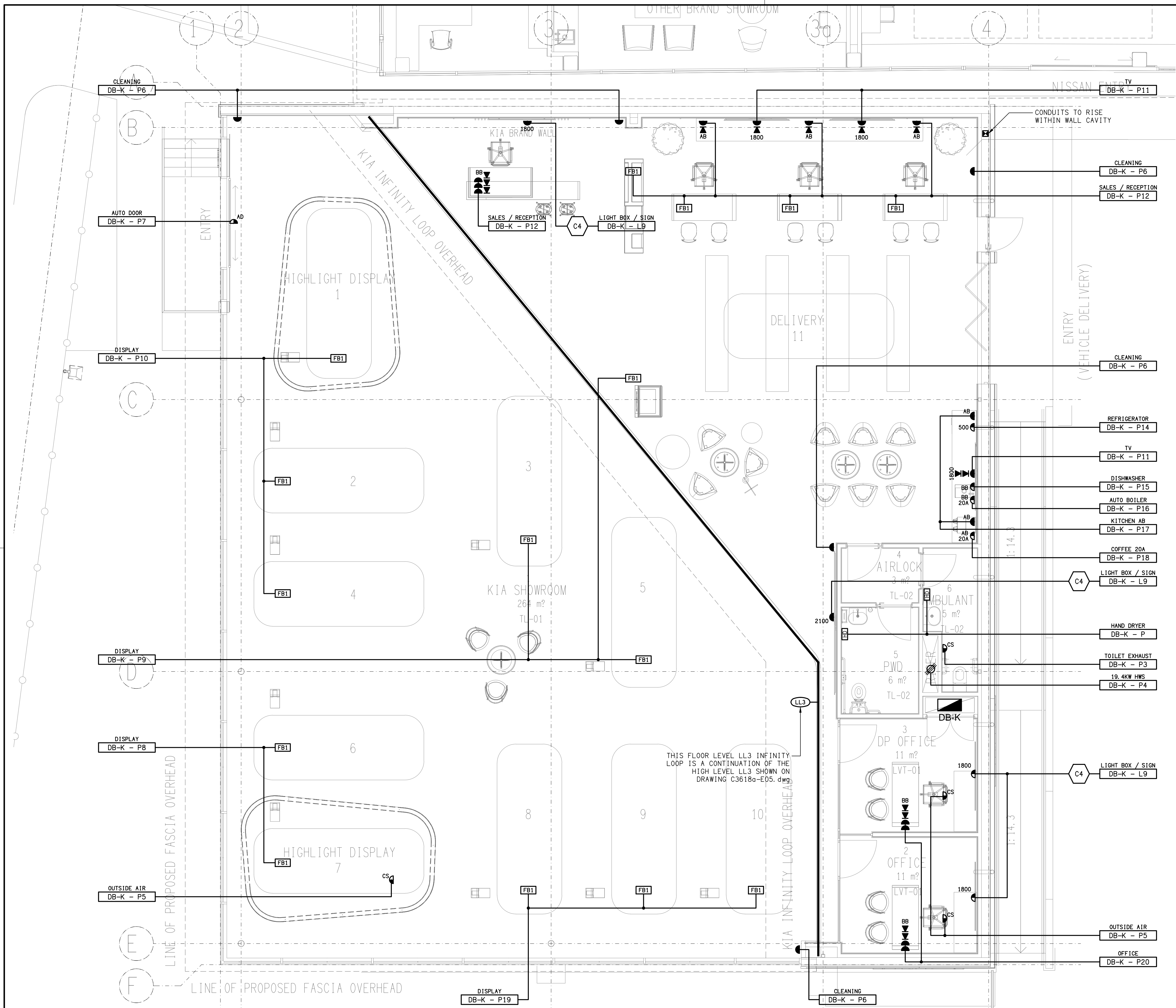
10. ABBREVIATIONS

A	-	AMP CURRENT RATING
AB	-	MOUNT ABOVE BENCH.
AFFL	-	ABOVE FINISHED FLOOR LEVEL.
BB	-	MOUNT BELOW BENCH.
BH	-	MOUNT ON BULKHEAD.
CEIL	-	MOUNT ON CEILING.
CS	-	MOUNT WITHIN CEILING SPACE.
C/W	-	COMPLETE WITH.
DW	-	DISHWASHER.
HWS	-	HOT WATER SYSTEM.
MCB	-	MINIATURE CIRCUIT BREAKER.
MEN	-	MULTIPLE EARTH NEUTRAL LINK.
MSB	-	MAIN SWITCHBOARD.
N	-	NEON / LED INDICATOR WHEN ON.
NTS	-	NOT TO SCALE.
RCBO	-	CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER.
REF	-	REFRIGERATOR.
UNO	-	UNLESS NOTED OTHERWISE.
WP	-	WEATHERPROOF TO IP56 UNO.
500	-	NUMBER DENOTES MOUNTING HEIGHT AFFL.

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FLOOR PLAN

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AT A1

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C3618a

E04

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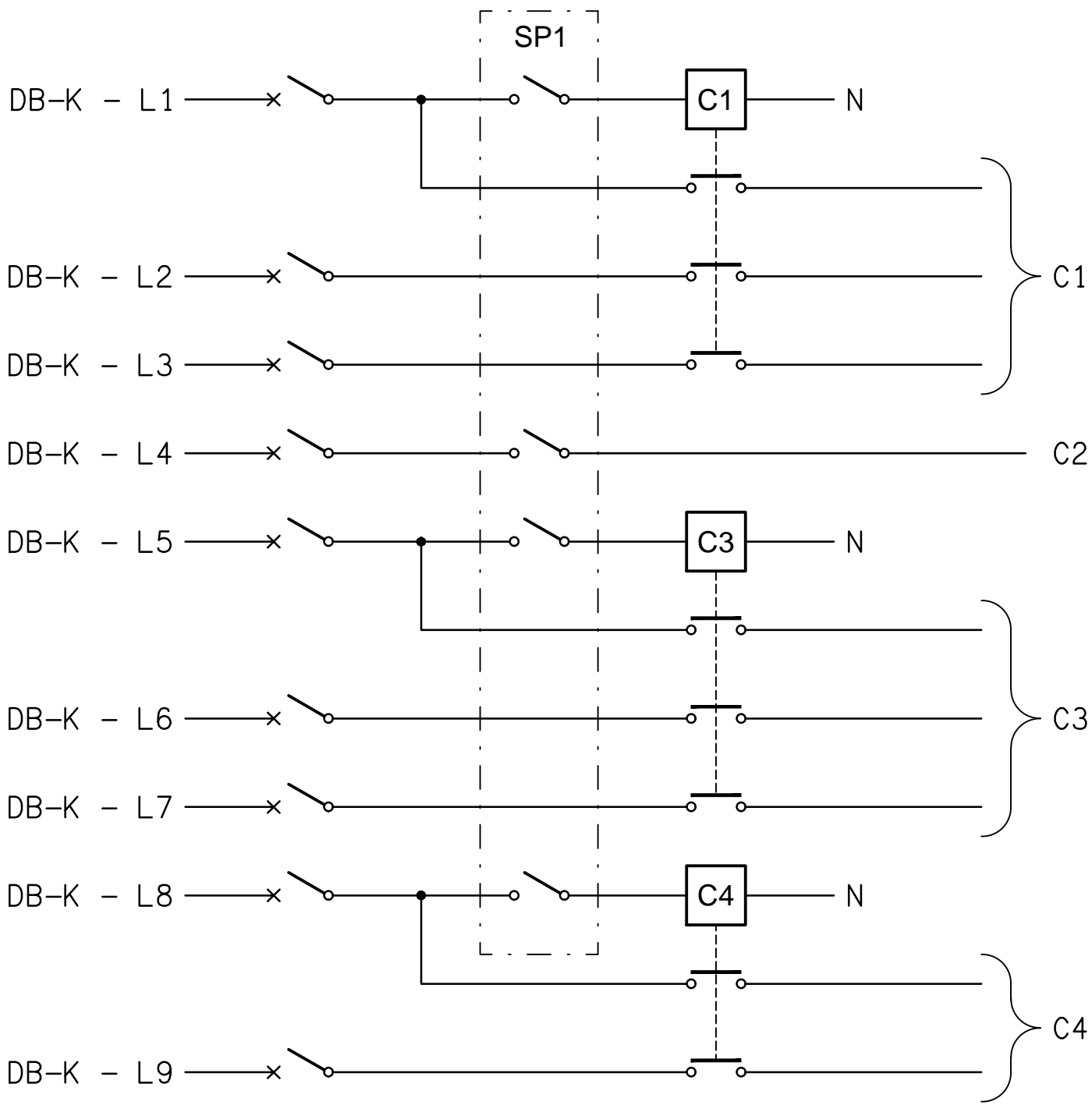
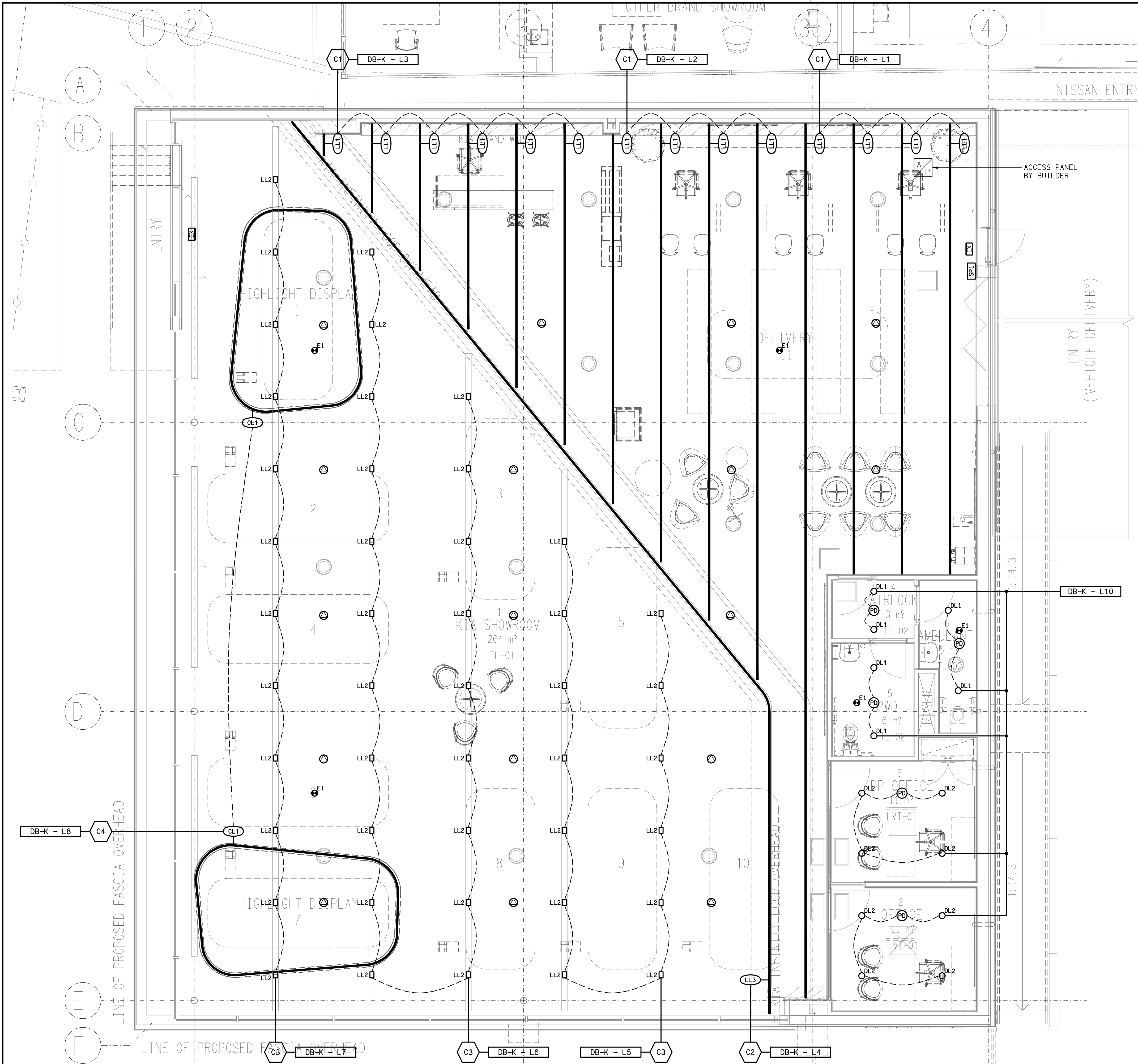
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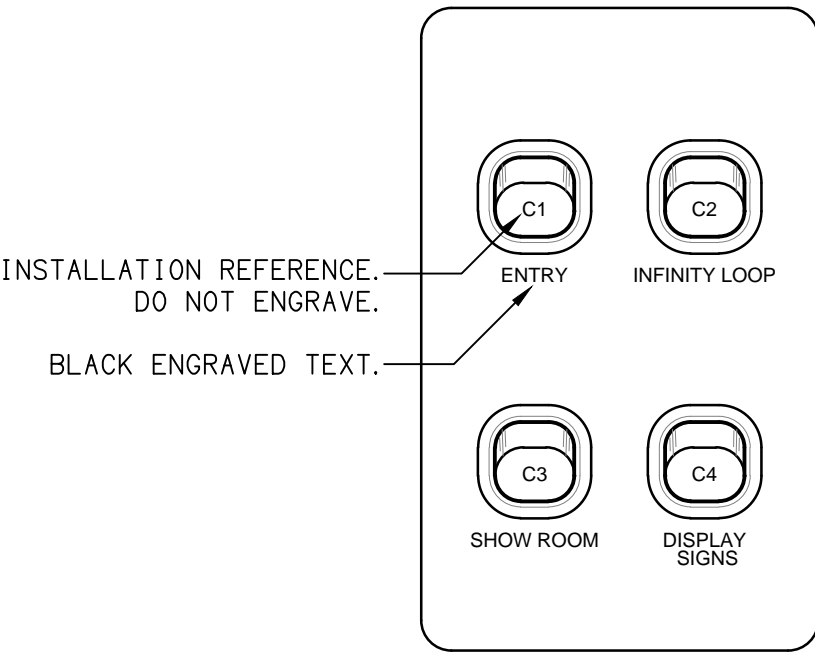
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PROJECT:
EAGERS KIA IPSWICH

1 BRISBANE ROAD, BUNDAMBA, QUEENSLAND



SCHEMATIC
LIGHTING CONTROL
NOT TO SCALE



DETAIL
SWITCH PANEL SP1 ELEVATION
NOT TO SCALE