

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3067a - THE LION RICHLANDS - MINOR PROJECTS

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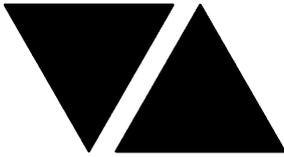
ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION D - 20 MAY 2024

| ISSUING INFORMATION | | | | DATE OF ISSUE | | | | | | | | | |
|---|------------------|----|----|---------------|----|--|--|--|--|--|--|--|--|
| | DAY | 01 | 09 | 10 | 20 | | | | | | | | |
| | MONTH | 09 | 10 | 11 | 05 | | | | | | | | |
| | YEAR | 23 | 23 | 23 | 24 | | | | | | | | |
| | REASON FOR ISSUE | T | C | P | C | | | | | | | | |
| A = APPROVAL C = CONSTRUCTION N = COORDINATION P = PRELIMINARY T = TENDER | | | | | | | | | | | | | |

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| C3067a-E02.dwg | NOTES | A | B | C | D | | | | | | | | |
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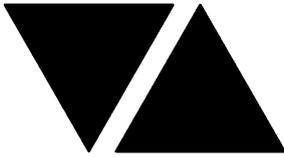
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION A - 20 MAY 2024

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

| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No | REV |
|------|--------------------------|---|--------------------|---|-----|
| L1 | 40W 4000K LED | 1200 X 300 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A FLUSH RECESSED PLASTER BOARD KIT | WHITE TRIM | GAMMA ILLUMINATION 1659-4K-40W | A |
| L2 | 22W 4000K | 600 X 300 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A FLUSH RECESSED PLASTER BOARD KIT | WHITE TRIM | GAMMA ILLUMINATION 1660-4K-22W | A |
| L3 | 36W LED 4000K | 1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND PRESENCE DETECTION SENSOR | LIGHT GREY | GAMMA STORM 1558-CCT-36W-MS | A |
| L4 | 13W 3000K LED | RECESSED 62 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER | WHITE | GAMMA ILLUMINATION COBALT 1401-3K-13W | A |
| L5 | 36W LED 4000K | 1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND PRESENCE DETECTION SENSOR | LIGHT GREY | GAMMA STORM 1558-CCT-36W-MS | A |
| L6 | 2250 LUMEN / M 3000K LED | EXTRUDED SURFACE MOUNTED FITTING C/W INTEGRAL E2 EMERGENCY LIGHT LED OPTEK DIFFUSER AND INTEGRAL GEAR AS NECESSARY. REFER TO THE L6 DETAILS FOR THE MOUNTING ARRANGEMENT AND CONFIGURATION. UTILISE THE EXISTING SUPPLY TO THE BATTEN BEING REMOVED TO SUPPLY THE L6 FITTING. | WHITE | KLIK SYSTEMS KALLI 80 BEAM D | A |
| L7 | 2250 LUMEN / M 3000K LED | EXTRUDED SURFACE MOUNTED FITTING C/W INTEGRAL E2 EMERGENCY LIGHT LED OPTEK DIFFUSER AND INTEGRAL GEAR AS NECESSARY. REFER TO THE L7 DETAILS FOR THE MOUNTING ARRANGEMENT AND CONFIGURATION. UTILISE THE EXISTING SUPPLY TO THE BATTEN BEING REMOVED TO SUPPLY THE L7 FITTING. | WHITE | KLIK SYSTEMS KALLI 80 BEAM D | A |
| ML1 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE MIRROR PELMET AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| ML2 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE MIRROR PELMET AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |



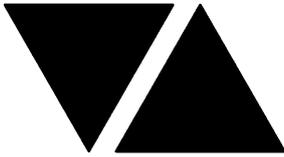
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|---|--|---|---------------------------|---|-----|
| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No | REV |
| PD01 | 7W 3000K 240V TRAILING EDGE DIMMABLE E27 LED | DECORATIVE LIGHT PENDANT CONFIRM THE POSITION AND DROP LENGTH ON SITE WITH THE ARCHITECT | BRASS | ABOUT SPACE 200DIA AMENDO PENDANT | A |
| PD02 | 7W 3000K 240V TRAILING EDGE DIMMABLE G9 LED | DECORATIVE LIGHT PENDANT CONFIRM THE POSITION AND DROP LENGTH ON SITE WITH THE ARCHITECT | BRASS | LIVING EDGE VOID MINI PENDANT | A |
| RD01 | 12W 3000K LED | RECESSED 30DEG DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER | BLACK TRIM GOLD REFLECTOR | CARIBOU MIDNIGHT 2.0 | A |
| RD02 | 20W 3000K LED | RECESSED 30DEG DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER | BLACK TRIM GOLD REFLECTOR | CARIBOU MIDNIGHT 3.0 | A |
| RD03 | 22W 3000K LED | RECESSED 62 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER | WHITE | GAMMA ILLUMINATION COBALT 1401-3K-22W | A |
| S1 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE CEILING COFFER AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| S2 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE CEILING PELMET AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| S3 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE TROPHY CABINET JOINERY RECESS AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |



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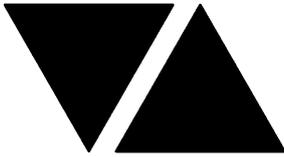
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REVISION A - 20 MAY 2024

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| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No | REV |
|------|--|--|--------------------|---|-----|
| S4 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE VANITY BENCH PELMET AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| S5 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE BAR SERVERY PELMET AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| S6 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE BAR SERVERY SUSPENDED BULKHEAD AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| S7 | 3000K LED | LED MODULES MOUNTED IN THE BAR BULKHEAD AS PER THE ARCHITECTURAL DETAIL PROVIDE SUFFICIENT LED MODULES SUCH THAT NO PART OF THE MOUNTING PLANE IS MORE THAN 75MM FROM THE CENTRE OF A MODULE TO ACHIEVE A UNIFORM ILLUMINATION OF THE BULKHEADS OPAL DIFFUSER. PROVIDE 240-24V POWER SUPPLIES AND DALI DIMMABLE INTERFACE UNITS LOCATED IN A REMOTE CONCEALED ACCESSIBLE POSITION. THE OPAL DIFFUSER WILL BE PROVIDED AS PART OF THE BULKHEAD. | NA | NPA WARM WHITE COR MODULES + POWER SUPPLY & DALI CONTROLLER | A |
| S8 | 12W/M 3000K LED | FLEXIBLE LED ROPE FLEX SCREW FIXED IN PLACE WITHIN THE REAR BAR JOINERY RECESS AS PER THE ARCHITECTURAL DETAIL PROVIDE THE STRIP WITH A REMOTE DEDICATED 240-24V POWER SUPPLY AND A DALI DIMMABLE INTERFACE UNIT PER GROUP NOT EXCEEDING 10M OF STRIP LOCATED IN A CONCEALED ACCESSIBLE POSITION. | WHITE | NPA L-NF-GLOW-WW + POWER SUPPLY & DALI CONTROLLER | A |
| WL1 | 6W 3000K LED | DECORATIVE WALL LIGHT C/W REMOTE DALI DIMMABLE DRIVER CONFIRM THE POSITION AND MOUNTING HEIGHT ON SITE WITH THE ARCHITECT | BRASS | ABOUT SPACE - 200 DIA GOSSA | A |
| WL2 | 9W 3000K 240V TRAILING EDGE DIMMABLE E27 LED | DECORATIVE WALL LIGHT 560 HIGH CONFIRM THE POSITION AND MOUNTING HEIGHT ON SITE WITH THE ARCHITECT | NATURAL BRASS | NIGHT WORKS STUDIO DUOMO PICCOLO STEM | A |



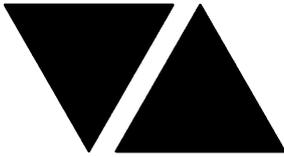
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| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No | REV |
| E1 | LED | EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40. | WHITE | CLEVERTRONICS LLIFE | A |
| E2 | LED | EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40. MOUNT THE E2 FITTING WITHIN THE EXTRUSION AS PER THE L6 / L7 DETAIL. | WHITE | CLEVERTRONICS LLIFE | 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. AS2293 CLASSIFICATION C0-D8 - C90-E3.2. | WHITE | CLEVERTRONICS LUBPRO-SM | A |
| EMERGENCY PACK | | LIGHT FITTINGS THAT ARE DESIGNATED AS BEING PROVIDED WITH AN EMERGENCY PACK ARE TO BE PROVIDED WITH AN INTEGRAL AS2293 EMERGENCY PACK. THE FITTINGS ARE TO BE NON MAINTAINED WITH ALL LAMPS SWITCHED AS PER THE LIGHTING CONTROL FOR THAT SPACE UNLESS NOTED OTHERWISE. REFER TO THE SPECIFICATION FOR FURTHER DETAILS OF THE CONFIGURATION AND SWITCHING OF EMERGENCY LIGHTS. | | | A |
| SERVERY HEATER (H1) | | ADJUSTABLE HEAT LAMP C/W CUSTOM SUPPORT / SUSPENSIONS AS REQUIRED 700WATT 900 LONG LINEAR HEAT LAMP MOUNTED UNDER THE LOWER SERVERY SHELF AS PER THE ARCHITECTURAL DETAIL ALL CABLING IS TO BE CONCEALED | SILVER | ROBAND HUQ1825E | 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 30USM | A |
| TWO-WAY LIGHT SWITCH | | TWO -WAY LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. | WHITE | CLIPSAL C2000 SERIES 30USM | A |
| TWO-WAY LIGHT SWITCH | | TWO -WAY LIGHT SWITCH C/W AMBER NEON INDICATOR THAT ILLUMINATES WHEN THE LIGHT IS ON AND CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. | WHITE | CLIPSAL C2000 SERIES 30USM | A |
| LIGHT SWITCH PANEL 1 (SP1) | | 6-BUTTON PROGRAMMABLE SWITCH PANEL C/W CENTRAL LCD DISPLAY MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. | ALUMINIUM | DYNALITE ANTUMBRA DISPLAY | A |
| HAND DRYER CONNECTION (HD) | | 20A ISOLATING SWITCH WALL MOUNTED AT 2400mm AFFL AND CONNECTED TO THE HAND DRYER UNIT AS PER DETAIL. | | CLIPSAL C2000 SERIES 30USM | A |



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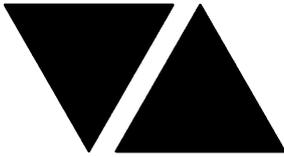
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| SINGLE POWER OUTLET | | SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O. | WHITE UNLESS NOTED AS BLACK (BK) | CLIPSAL C2000 SERIES | A |
| SINGLE WEATHERPROOF POWER OUTLET (IP56) | | IP56 WEATHERPROOF SINGLE POWER OUTLET. MOUNT AT MINIMUM 1100mm AFFL U.N.O. RATING 10A U.N.O. | - | CLIPSAL "56 SERIES" | A |
| VIRTUAL WINDOW POWER OUTLET (VW) | | PROVIDE THE DRIVER SUPPLIED WITH EACH VIRTUAL WINDOW WITH A 240 VOLT DALI CONNECTION LOCATED IN A CONCEALED ACCESSIBLE POSITION | | | 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 |
| 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. | - | 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 |
| COMMUNICATIONS OUTLET | | RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE EXISTING COMMUNICATIONS RACK1 WITH NEW CAT 6 PATCH PANELS AS REQUIRED 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 UNLESS NOTED OTHERWISE | WHITE UNLESS NOTED AS BK (BLACK) | CLIPSAL "C2000 SERIES" | A |
| DUCT A | | PROVIDE DUCT A AS A 85 X 50 DUCT SUSPENDED FROM THE CEILING AND FIXED TO THE BENCH TO SUPPORT THE BENCH OUTLETS. THE UNDERSIDE OF THE DUCT IS TO BE FLUSH WITH THE UNDERSIDE OF THE LOWEST SHELF. | NATURAL ANODISED | ECD SP5085 | A |
| DUCT B | | PROVIDE DUCT B AS A 85 X 50 DUCT SUSPENDED FROM THE CEILING AND FIXED TO THE BENCH TO SUPPORT THE BENCH OUTLETS. THE UNDERSIDE OF THE DUCT IS TO BE FLUSH WITH THE UNDERSIDE OF THE LOWEST SHELF. | NATURAL ANODISED | ECD SP5085 | A |



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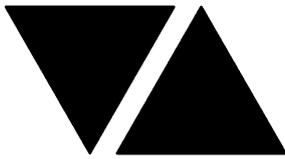
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| DB-1 | | EXISTING DISTRIBUTION BOARD DB-1 TO BE MODIFIED / UPGRADED AS NECESSARY TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND LIGHTING CONTROL EQUIPMENT. ALL SWITCHGEAR THAT BECOMES REDUNDANT IS TO BE REMOVED AND THE SCHEDULE UPDATED AT PRACTICAL COMPLETION. | | | A |
| DB-2 | | EXISTING DISTRIBUTION BOARD DB-2 TO BE MODIFIED / UPGRADED AS NECESSARY TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND LIGHTING CONTROL EQUIPMENT. ALL SWITCHGEAR THAT BECOMES REDUNDANT IS TO BE REMOVED AND THE SCHEDULE UPDATED AT PRACTICAL COMPLETION. | | | A |
| DB-K | | EXISTING DISTRIBUTION BOARD DB-K TO BE MODIFIED / UPGRADED AS NECESSARY TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND LIGHTING CONTROL EQUIPMENT. ALL SWITCHGEAR THAT BECOMES REDUNDANT IS TO BE REMOVED AND THE SCHEDULE UPDATED AT PRACTICAL COMPLETION. | | | A |
| FIRE INDICATOR PANEL (FIP) | | EXISTING AS1670 COMPLAINT FIRE DETECTION CONTROL, INDICATING AND ALARM EQUIPMENT TO BE UPGRADED AS NECESSARY TO ACCOMMODATE THE CHANGES AND ADDITIONS TO THE FIRE DETECTION SYSTEM | | | A |
| RECESSED FIRE EVACUATION SPEAKER | | RECESSED 5W 8-INCH CONE ALERT AND EVACUATION SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE PAINTED OUT TO MATCH THE CEILING. | | | A |
| FIRE EVACUATION HORN | | SURFACE MOUNTED FREEZER TWO-TONE 30W ALERT AND EVACUATION HORN SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER. MOUNT AT HIGH LEVEL. | | | A |
| SMOKE DETECTOR | | SURFACE MOUNTED SMOKE DETECTOR TO AS1670. BK INDICATES THE DETECTOR IS TO BE PROVIDED AS BLACK. | | | A |
| THERMAL DETECTOR | | SURFACE MOUNTED THERMAL DETECTOR TO AS1670. BK INDICATES THE DETECTOR IS TO BE PROVIDED AS BLACK TYPE AS NOTED | | | A |
| THERMAL DETECTOR IN DUCT | | DUCT PROBE THERMAL DETECTOR TO AS1670.1 | | | A |
| CONTACTOR C1 | | 32 AMP AC3 CONTACTOR TO BE LOCATED IN THE COOKING EQUIPMENT ISOLATION ENCLOSURE TO CONTROL THE POWER SUPPLIES TO THE ELECTRIC COOKING EQUIPMENT LOCATED UNDER THE KITCHEN EXHAUST HOOD CANOPY. THE POWER IS TO BE ISOLATED UPON AN ALARM FROM THE FIP OR OPERATION OF THE FIRE SUPPRESSION SYSTEM FSS. PROVIDE A CONTROL SIGNAL FROM C1 TO THE MSSB TO CONTROL THE KITCHEN EXHAUST FAN. | | | A |
| OSG 1000V PLUS | | EXHAUST HOOD CONTROLLER ALL CONTROLS OSG MERLIN 1000V PLUS WALL RECESSED GAS AND ELECTRIC ISOLATION CONTROLLER C/W VENTILATION INTERLOCKING AND GAS PROVING. PROVIDE THE CONTROLLER WITH A RECESS TRIM KIT. | | | A |



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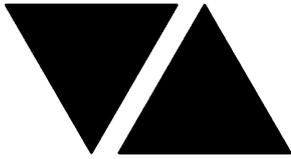
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION A - 20 MAY 2024

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

| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No | REV |
|---------------------------|-------|--|--------------------|--------------|-----|
| GAS VALVE (GV) | | <p>GAS VALVE ASSEMBLY ALL CONTROLS OSG GVTJ 500MM GAS VALVE TRANSDUCER JUNCTION BOX TO BE MOUNTED IN LINE WITH THE GAS SUPPLY TO THE ASSOCIATED HOODS COOKING EQUIPMENT. THE SYSTEM IS TO BE PROVIDED AS A PRE ASSEMBLED UNIT INCLUDING:</p> <ul style="list-style-type: none">- OSG-GSV50-240 50MM 230 VAC GAS SOLENOID VALVE C/W TEST POINTS. - TWO 50MM F/F ISOLATING BALL VALVES.- TWO 50MM M/F GAS UNIONS.- TWO 50MM NIPPLES.- IP54 JUNCTION BOX.- 1000MM LONG ELECTRICAL CONNECTION C/W 6 PIN CONNECTOR BETWEEN THE JUNCTION BOX AND THE SOLENOID VALVE / PRESSURE TRANSDUCER. <p>MOUNT THE JUNCTION BOX ADJACENT THE SOLENOID WITH THE CABLE LENGTH SHORTENED WHERE PRACTICAL. PROVIDE THE GAS VALVE ASSEMBLY TO THE GAS SUB CONTRACTOR TO INSTALL.</p> | | | A |
| AIR PRESSURE SWITCH (APS) | | <p>ALL CONTROLS OSG APS AIR PRESSURE DIFFERENTIAL SWITCH MOUNTED WITHIN THE KITCHEN EXHAUST HOOD EXHAUST DUCT.</p> | | | A |
| RELAY 1 (R1) | | <p>CONTROL RELAY 1 TO BE LOCATED IN THE COOKING EQUIPMENT ISOLATION ENCLOSURE TO INTERFACE THE CONTROLLER TO THE ELECTRIC COOKING EQUIPMENT CONTACTOR C1.</p> | | | A |
| RELAY 2 (R2) | | <p>CONTROL RELAY 2 TO BE LOCATED IN THE GAS SHUTDOWN IO ENCLOSURE TO INTERFACE THE FIP ALARM OUTPUT TO THE CONTROLLER.</p> | | | A |



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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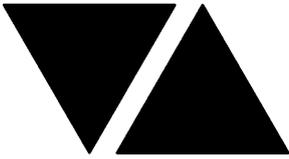
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DISTRIBUTION BOARD DB-1

REVISION A - 20 MAY 2024

| | | | | | | | REV |
|---|----|------------------------|-------------------|--------------------------------|----------|-------------|-----|
| UPGRADE THE EXISTING DISTRIBUTION BOARD DB-1 AS NECESSARY TO ACCOMMODATE THE FOLLOWING CIRCUITS AND ASSOCIATED DYNALITE CONTROLS. REMOVE ALL EXISTING SWITCHGEAR MADE REDUNDANT BY THE WORKS AND UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. | | | | | | | A |
| CIRC | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE (mm ²) | LOCATION | CIRCUIT USE | |
| P1 | 1 | 20 | RCBO | 2.5 | ENTRY | AUTO DOOR | A |
| P2 | 1 | 20 | RCBO | 2.5 | AMENITY | HAND DRYER | A |
| P3 | 1 | 20 | RCBO | 2.5 | AMENITY | SENSORS | A |
| P4 | 1 | 20 | RCBO | 2.5 | AMENITY | HAND DRYER | A |
| | | | | | | | |
| L1 | 1 | 20 | RCBO | 2.5 | ENTRY | LIGHTS | A |
| L2 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| L3 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| L4 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| L5 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| | | | | | | | |
| | | | | | | | |
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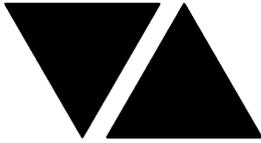
C3067a - THE LION RICHLANDS - MINOR PROJECTS

C3067a-0005(A).xls

DISTRIBUTION BOARD DB-2

REVISION A - 20 MAY 2024

| | | | | | | | REV |
|---|----|------------------------|-------------------|--------------------------------|----------|-------------|-----|
| UPGRADE THE EXISTING DISTRIBUTION BOARD DB-2 AS NECESSARY TO ACCOMMODATE THE FOLLOWING CIRCUITS AND ASSOCIATED DYNALITE CONTROLS. REMOVE ALL EXISTING SWITCHGEAR MADE REDUNDANT BY THE WORKS AND UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. | | | | | | | A |
| CIRC | PH | CIRCUIT BREAKER (amps) | CONTROL EQUIPMENT | CABLE SIZE (mm ²) | LOCATION | CIRCUIT USE | |
| P1 | 1 | 20 | RCBO | 2.5 | AMENITY | SENSORS | A |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| L1 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| L2 | 1 | 20 | RCBO | 2.5 | AMENITY | LIGHTS | A |
| | | | | | | | |
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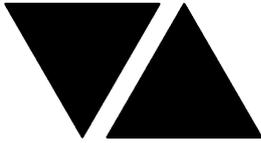
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LIGHTING CONTROL SCHEDULE

REVISION A - 20 MAY 2024

| 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 |
| CONTROL MODULE 1 | | | | | A |
| TYPE: | | DYNALITE DDBC1200 | | | A |
| DESCRIPTION | | 12CH BOARD CAST DALI CONTROLLER | | | A |
| LOCATION | | DIN RAIL MOUNTED WITHIN DB-1 | | | A |
| BUS: | | A | | | A |
| CHANNEL | CONTROL | DESCRIPTION | | | A |
| | | LOCATION | CIRCUIT | USE | A |
| 1-1 | DALI DIM | ENTRY | DB-1 - L1 | S1 | A |
| 1-2 | DALI DIM | ENTRY | DB-1 - L1 | RD03 | A |
| 1-3 | DALI DIM | ENTRY | DB-1 - L1 | RD03 | A |
| 1-4 | DALI DIM | TROPHY CABINET | DB-1 - L5 | S3 | A |
| 1-5 | DALI DIM | | DB-1 - L3 | ML1 | A |
| 1-6 | DALI DIM | | DB-1 - L3 | S4 | A |
| 1-7 | DALI DIM | | DB-1 - L3 | ML1 | A |
| 1-8 | DALI DIM | | DB-1 - L3 | ML1 | A |
| 1-9 | DALI DIM | | DB-1 - L3 | S4 | A |
| 1-10 | DALI DIM | | DB-1 - L4 | S2 | A |
| 1-11 | DALI DIM | | DB-1 - L4 | RD01 | A |
| 1-12 | DALI DIM | | DB-1 - L4 | RD01 | A |
| CONTROL MODULE 2 | | | | | A |
| TYPE: | | DYNALITE DDBC1200 | | | A |
| DESCRIPTION | | 12CH BOARD CAST DALI CONTROLLER | | | A |
| LOCATION | | DIN RAIL MOUNTED WITHIN DB-1 | | | A |
| BUS: | | A | | | A |
| CHANNEL | CONTROL | DESCRIPTION | | | A |
| | | LOCATION | CIRCUIT | USE | A |
| 1-13 | DALI DIM | | DB-1 - L5 | RD02 | A |
| 1-14 | DALI DIM | | DB-1 - L5 | RD01 | A |
| 1-15 | DALI DIM | | DB-1 - L5 | RD02 | A |
| 1-16 | DALI DIM | | DB-1 - L5 | RD02 | A |
| 1-17 | DALI DIM | | DB-1 - L2 | S2 | A |
| 1-18 | DALI DIM | | DB-1 - L2 | RD01 | A |
| 1-19 | DALI DIM | | DB-1 - L3 | VW | A |
| 1-20 | DALI DIM | | DB-1 - L3 | VW | A |
| 1-21 | | | | | A |
| 1-22 | | | | | A |
| 1-23 | | | | | A |
| 1-24 | | | | | A |



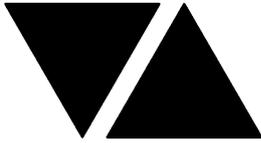
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C3067a-0007(A).xls

LIGHTING CONTROL SCHEDULE

REVISION A - 20 MAY 2024

| CONTROL MODULE 3 | | | | | A |
|------------------|------------------------------|-----------------------------------|-----------|-------|---|
| TYPE: | | DYNALITE DDMC802 | | | A |
| DESCRIPTION | | 8 CHANNEL MULTIPURPOSE CONTROLLER | | | A |
| LOCATION | | DIN RAIL MOUNTED WITHIN DB-1 | | | A |
| BUS: | | A | | | A |
| CHANNEL | CONTROL | DESCRIPTION | | | A |
| | | LOCATION | CIRCUITS | USE | A |
| 1-25 | TRAILING EDGE DIM DGTM202 | | DB-1 - L3 | WL1 | A |
| 1-26 | | | DB-1 - L5 | WL2 | A |
| 1-27 | TRAILING EDGE DIM DGTM202 | | DB-1 - L3 | WL1 | A |
| 1-28 | | | DB-1 - L3 | WL1 | A |
| 1-29 | TRAILING EDGE DIM DGTM202 | | DB-1 - L2 | PD01 | A |
| 1-30 | | | | | A |
| 1-31 | SWITCHED DGF102 CH 1 | | DB-1 - L5 | SIGNS | A |
| 1-32 | | | | | A |
| CONTROL MODULE 4 | | | | | A |
| TYPE: | | DYNALITE DDMC802 | | | A |
| DESCRIPTION | | 8 CHANNEL MULTIPURPOSE CONTROLLER | | | A |
| LOCATION | | DIN RAIL MOUNTED WITHIN DB-2 | | | A |
| BUS: | | A | | | A |
| CHANNEL | CONTROL | DESCRIPTION | | | A |
| | | LOCATION | CIRCUITS | USE | A |
| 2-1 | TRAILING EDGE DIM DGTM104 | | DB-2 - L2 | PD02 | A |
| 2-2 | TRAILING EDGE DIM DGTM104 | | | | A |
| 2-3 | | | | | A |
| 2-4 | | | | | A |
| 2-5 | DALI DIM DBBM200 CH 2 | | DB-2 - L2 | ML2 | A |
| 2-6 | DALI DIM DBBM200 CH 2 | | DB-2 - L1 | S4 | A |
| 2-7 | DALI DIM DBBM200 CH 2 | | DB-2 - L1 | RD01 | A |
| 2-8 | DALI DIM DBBM200 CH 2 | | DB-2 - L1 | S4 | A |



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LIGHTING CONTROL SCHEDULE

REVISION A - 20 MAY 2024

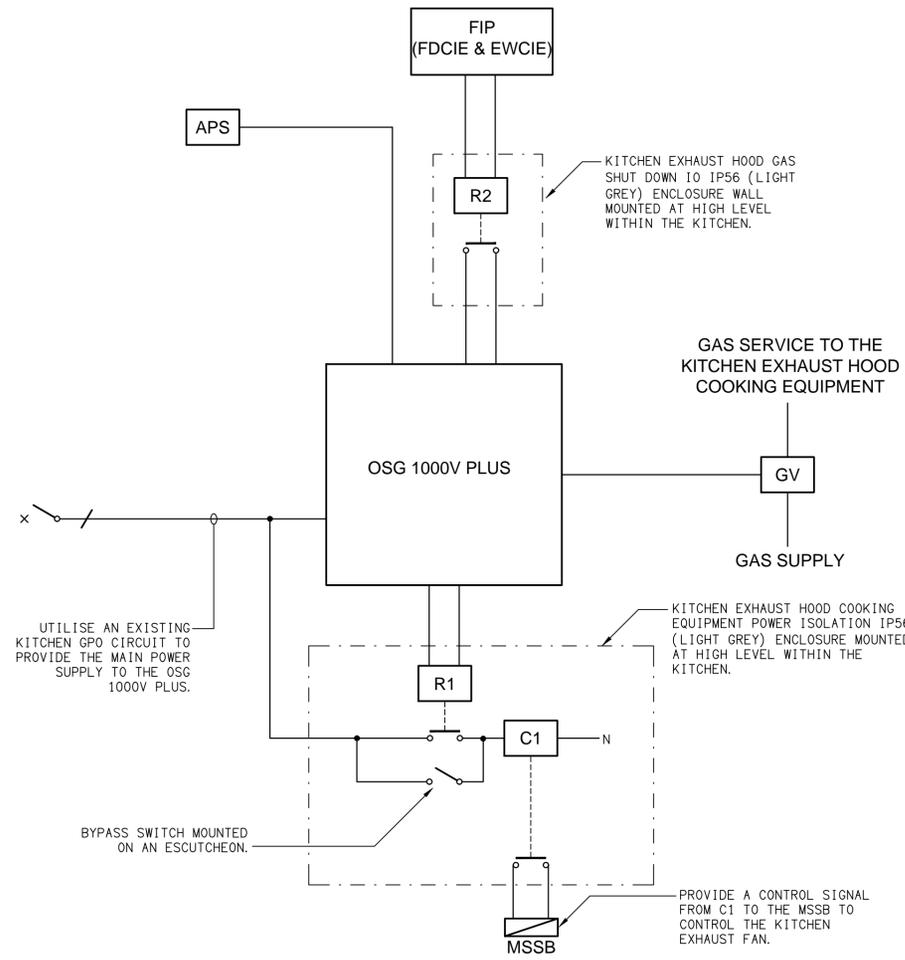
| | | | | | |
|-------------------------|--------------------------|-----------------------------------|-----------------|------------|---|
| CONTROL MODULE 5 | | | | | A |
| TYPE: | | DYNALITE DDMC802 | | | A |
| DESCRIPTION | | 8 CHANNEL MULTIPURPOSE CONTROLLER | | | A |
| LOCATION | | DIN RAIL MOUNTED WITHIN DB-K | | | A |
| BUS: | | A | | | A |
| CHANNEL | CONTROL | DESCRIPTION | | | A |
| | | LOCATION | CIRCUITS | USE | A |
| K-1 | DALI DIM DBBM200 CH 2 | BAR | DB-K - L2 | S5 | A |
| K-2 | DALI DIM DBBM200 CH 2 | BAR | DB-K - L2 | S7 | A |
| K-3 | DALI DIM DBBM200 CH 2 | BAR | DB-K - L2 | S6 | A |
| K-4 | DALI DIM DBBM200 CH 2 | BAR | DB-K - L2 | L4 | A |
| K-5 | DALI DIM DBBM200 CH 2 | BAR | DB-K - L2 | S8 | A |
| K-6 | | | | | A |
| K-7 | | | | | A |
| K-8 | | | | | A |

LEGEND

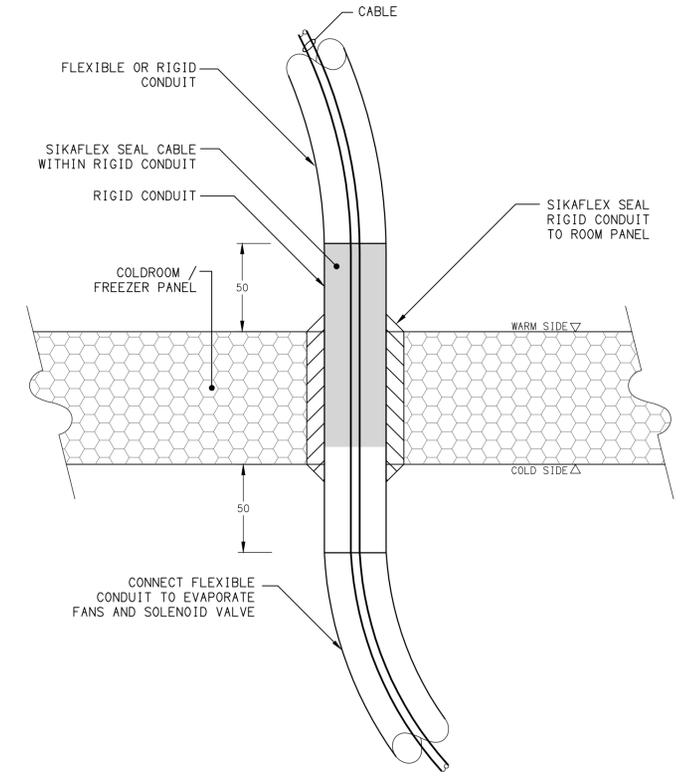
-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  SPECIAL PURPOSE POWER OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  CONDUIT ROUTE.
-  HAND DRYER CONNECTION.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  DB-x - Py POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  Dx LIGHTING CONTROL DALI CHANNEL REFERENCE.
-  Sx LIGHTING CONTROL SWITCHED CHANNEL REFERENCE.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  E1: GENERAL RECESSED LED EMERGENCY LIGHT.
-  E2: EXTRUSION MOUNTED LED EMERGENCY LIGHT.
-  EX: EMERGENCY LED EXIT LIGHT.
-  L1: RECESSED 300 X 1200 PB LED FLAT PLATE TROFFER.
-  L2: RECESSED 300 X 600 PB LED FLAT PLATE TROFFER.
-  L3: COOLROOM / FREEZER RATED LED SURFACE BATTEN.
-  L4: RECESSED DIMMABLE LED DOWNLIGHT.
-  L5: 1200 LONG IP65 SURFACE BATTEN.
-  L6: SURFACE MOUNTED EXTRUSION AS PER L6 DETAIL.
-  L7: SURFACE MOUNTED EXTRUSION AS PER L7 DETAIL.
-  ML1: DIMMABLE MIRROR LED STRIP LIGHT.
-  ML2: DIMMABLE MIRROR LED STRIP LIGHT.
-  PD01: DECORATIVE PENDANT.
-  PD02: DECORATIVE PENDANT.
-  RD01: RECESSED DIMMABLE LED DOWNLIGHT.
-  RD02: RECESSED DIMMABLE LED DOWNLIGHT.
-  RD03: RECESSED DIMMABLE LED DOWNLIGHT.
-  S1: DIMMABLE ENTRY COFFER LED STRIP LIGHT.
-  S2: DIMMABLE AMENITY COFFER LED STRIP LIGHT.
-  S3: TROPHY CABINET SHELIVING LED STRIP LIGHT.

LEGEND

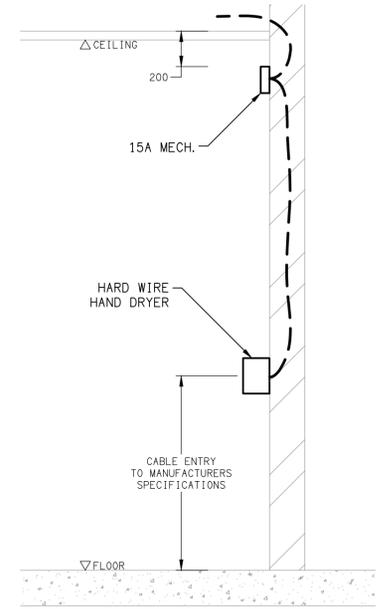
-  S4: VANITY BENCH LED STRIP LIGHT.
-  S5: LOUNGE BAR COUNTER LED STRIP LIGHT.
-  S6: LOUNGE BAR OVERHEAD GANTRY LE STRIP LIGHT.
-  S7: LOUNGE BAR OVERHEAD GANTRY LED RIGID BACK LIGHT.
-  S8: LOUNGE BAR REAR SHELIVING LED STRIP LIGHT.
-  H1: SERVERY HEATER.
-  WL1: AMENITY MIRROR WALL LIGHT.
-  WL2: AMENITY ENTRY WALL LIGHT.
-  AS1670 SMOKE DETECTOR.
-  AS1670 TYPE B THERMAL DETECTOR.
-  AS1670 TYPE D THERMAL DETECTOR.
-  AS1670 DUCT PROBE THERMAL DETECTOR.
-  AS1670 RECESSED ALERT AND EVACUATION SPEAKER.
-  AS1670 SURFACE MOUNTED COOLROOM / FREEZER ALERT AND EVACUATION HORN.
-  DUCT x Cable Access Duct. REFERENCE AS NOTED.
-  VW: VIRTUAL WINDOW POWER SUPPLY.
-  FIP: FIRE INDICATOR PANEL.
-  APS: AIR PRESSURE SWITCH.
-  GV: GAS VALVE.
-  OSG: KITCHEN EXHAUST FAN CONTROL SYSTEM.
-  Cx: CONTACTOR x.
-  Rx: CONTROL RELAY x.



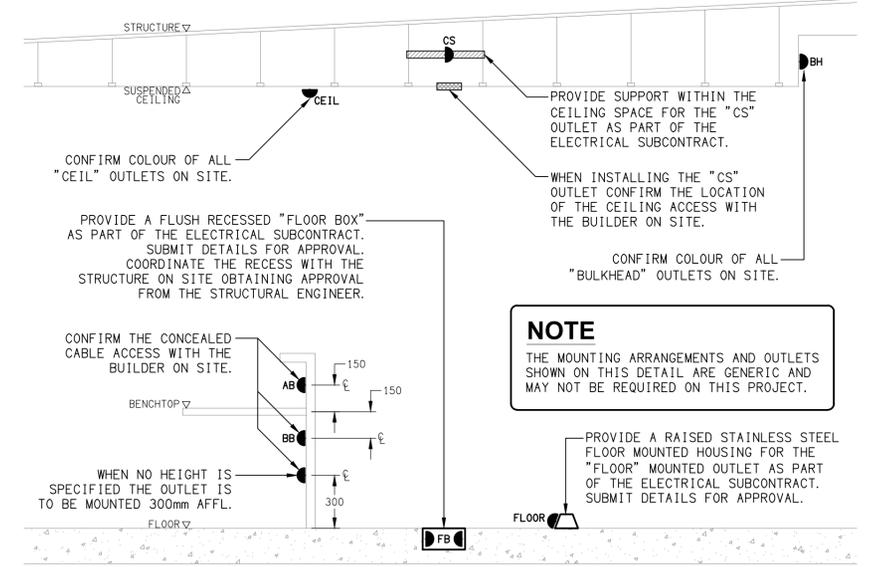
SCHEMATIC
EXHAUST HOOD CONTROL
NOT TO SCALE



DETAIL
COOL ROOM CONDUIT PENETRATION
NOT TO SCALE



DETAIL
HAND DRYER CONNECTION
NOT TO SCALE



DETAIL
TYPICAL OUTLET MOUNTINGS
NOT TO SCALE

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

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ACN 092 710 793
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ELECTRICAL DESIGN GROUP

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ALL DIMENSIONS TO BE VERIFIED ONSITE.

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PROJECT:
THE LION RICHLANDS - MINOR PROJECTS
133 PINE ROAD, RICHLANDS

| | | |
|---|------------------------------|---------------------------|
| B | CONSTRUCTION | 20/05/2024 |
| REV: | DESCRIPTION: | DATE: |
| DRAWING: ELECTRICAL SERVICES LEGEND, SCHEMATICS & DETAILS | | |
| SCALE: NOT TO SCALE AT A1 | PROJECT NO: C3067a | DRAWING NO: E01 |
| | | REVISION: B |

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 DETECTION.
- 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.

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 2.5mm² 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.

6. POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A NEW DISTRIBUTION BOARD DB-SB SUPPLIED VIA NEW 4 CORE 35mm² Cu + 10mm² E XLPE SUBMAINS PROTECTED BY NEW 63 AMP THREE PHASE CIRCUIT BREAKER IN THE MSB. CONFIRM THE LOCATION AND UTILISE THE EXISTING CABLE ACCESS SYSTEM TO PROVIDE CABLE ACCESS FROM THE MSB TO THE EXISTING PIT 2. PROVIDE A NEW UNDERGROUND CONDUIT FROM PIT 2 TO THE NEW SCOREBOARD.

PROVIDE A 1.6MM MINIMUM 316 STAINLESS STEEL HAT SECTION AGAINST THE COLUMN FROM THE GROUND TO THE UNDERSIDE OF LEVEL 2 TO PROVIDE CABLE ACCESS FROM THE NEW UNDERGROUND CONDUIT TO DB-SB AND FROM DB-SB TO THE REMAINDER OF THE SCORE BOARD STRUCTURE.

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

- MSB CIRCUIT BREAKER.
- UNDERGROUND CONDUIT.
- DISTRIBUTION BOARD DB-SB.
- SUBMAIN FROM THE MSB TO DB-SB.
- CABLE ACCESS WAYS.
- CIRCUITS.
- SCORE BOARD OUTLETS.
- TESTING AND COMMISSIONING.

PROVIDE DB-SB AS/WITH:

- SHOP DRAWINGS FOR APPROVAL.
- COLUMN MOUNTED.
- 316 STAINLESS STEEL.
- 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.
- 30 POLE 250 AMP VERTICAL DIN CHASSIS.
- 100 AMP LOAD BREAK NON-AUTO MAIN SWITCH.
- FULL WIDTH SPARE HORIZONTAL DIN RAIL.
- ENSURE ALL CABLE CONNECTIONS CAN BE THERMALLY SCANNED WITHOUT ISOLATING THE POWER.

IN ADDITION TO THE MAINTENANCE OUTLETS SHOWN PROVIDE EIGHT 20 AMP GPOS EACH ON A DEDICATED CIRCUIT DB-SB - P2 THROUGH TO DB-SB - P9. LOCATE THESE GPOS ON LEVEL 2 AS DIRECTED BY THE SCORE BOARD SUPPLIER.

PROVIDE CIRCUITS DB-SB - P1 THROUGH TO DB-SB -P9 AND DB-SB- L1 AS 2.5mm² SINGLE PHASE PROTECTED BY 20 AMP RCBO SUPPLIED FROM DB-SB.

IN ADDITION TO THE ABOVE POWER DISTRIBUTION WORKS FOR THE SCORE BOARD THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES NEW AND MODIFIED CIRCUITS WITHIN THE CLUB HOUSE BUILDING TO ACCOMMODATE THE WORKS WITHIN ZONES 1 THROUGH TO ZONE 5.

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

UPGRADE / MODIFY THE EXISTING DISTRIBUTION BOARDS DB-1, DB-2 AND DB-K AS NECESSARY TO ACCOMMODATE THE NEW BUILDING CIRCUITS. IT IS ACCEPTABLE TO UTILISE THE EXISTING CIRCUITS TO SUPPLY THE NEW WORKS IF THE EXISTING CIRCUITS HAVE APPROPRIATE CONTROL AND SPARE CAPACITY.

7. LIGHTING

ALL OF THE LIGHT FITTINGS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE EXISTING DYNALITE LIGHTING CONTROL SYSTEM IS TO BE MODIFIED / UPGRADED TO CONTROL THE NEW LIGHTING WITHIN THE BUILDING. IT IS ACCEPTABLE TO UTILISE THE EXISTING CONTROLLERS TO SUPPLY THE NEW CHANNELS IF THE EXISTING CONTROLLER HAS APPROPRIATE SPARE CHANNELS.

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

- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.
- EMERGENCY AND EXIST LIGHTING.
- MODIFICATION AND ADDITIONS TO THE CLUB HOUSES EXISTING DYNALITE LIGHTING CONTROL SYSTEM.

NOTES

8. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF NEW AND MODIFIED CAT 6 COMMUNICATIONS OUTLETS UTILISING THE EXISTING COMMUNICATIONS RACK. THE EXISTING COMMUNICATIONS RACK IS TO BE MODIFIED AND UPGRADED AS NECESSARY INCLUDING NEW PATCH PANELS IF REQUIRED TO ACCOMMODATE THE ADDITIONAL COMMUNICATIONS OUTLETS.

THE EXISTING COMMUNICATIONS RACK AND ADJACENT SECURITY EQUIPMENT AS WELL AS ALL ASSOCIATED CABLING AND POWER SUPPLIES LOCATED IN THE LOUNGE STORE ARE TO BE RELOCATED TO FACILITATE THE NEW LOUNGE BAR. THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- RELOCATION OF THE LOUNGE STORE COMMUNICATIONS RACK AND ADJACENT SECURITY EQUIPMENT.
- CAT 6 COMMUNICATIONS OUTLETS.
- CAT 6 CABLING.
- MODIFICATION AND UPGRADE AS NECESSARY OF THE EXISTING COMMUNICATIONS RACK.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.

9. FIRE ALARM

THE FIRE ALARM SYSTEM COMPONENT OF THIS CONTRACT INCLUDES NEW AS1670.1 COMPLIANT DETECTION AND ALARM SERVICES 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 CLUBS OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.

ALL EXISTING CONCEALED SPACE DETECTORS WITHIN THE SCOPE OF THE WORKS ARE TO BE REINSTATED.

PROVIDE A KITCHEN EXHAUST HOOD CONTROL SYSTEM THAT PROVIDES THE FOLLOWING:

- CONTROL THE GAS SUPPLY TO THE COOKING EQUIPMENT IN ACCORDANCE WITH ASS601 INCLUDING ISOLATING THE GAS SUPPLY WHEN THE KITCHEN EXHAUST FAN IS NOT RUNNING.
- CONTROLS THE OPERATION OF THE KITCHEN EXHAUST FAN INCLUDING SHUTTING DOWN THE FAN WHEN THE EXHAUST DUCT DETECTOR GOES INTO ALARM.
- ISOLATE THE GAS SUPPLY UPON OPERATION OF THE FIRE ALARM SYSTEM.

PROVIDE A PRE ASSEMBLE GAS VALVE ASSEMBLY TO THE GAS SUB-CONTRACTOR TO INSTALL.

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

- UPGRADE THE EXISTING FIP.
- RELOCATE THE EXTERNAL VISUAL INDICATOR.
- DETECTORS AND SPEAKERS.
- CABLE ACCESS WAYS.
- CABLING.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.
- KITCHEN EXHAUST HOOD CONTROL SYSTEM.

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.
- 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.

| | | |
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| D | CONSTRUCTION | 20/05/2024 |
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| DRAWING: ELECTRICAL SERVICES NOTES | | |
| SCALE: NOT TO SCALE AT A1 | PROJECT NO: C3067a | DRAWING NO: E02 |
| | | REVISION: D |

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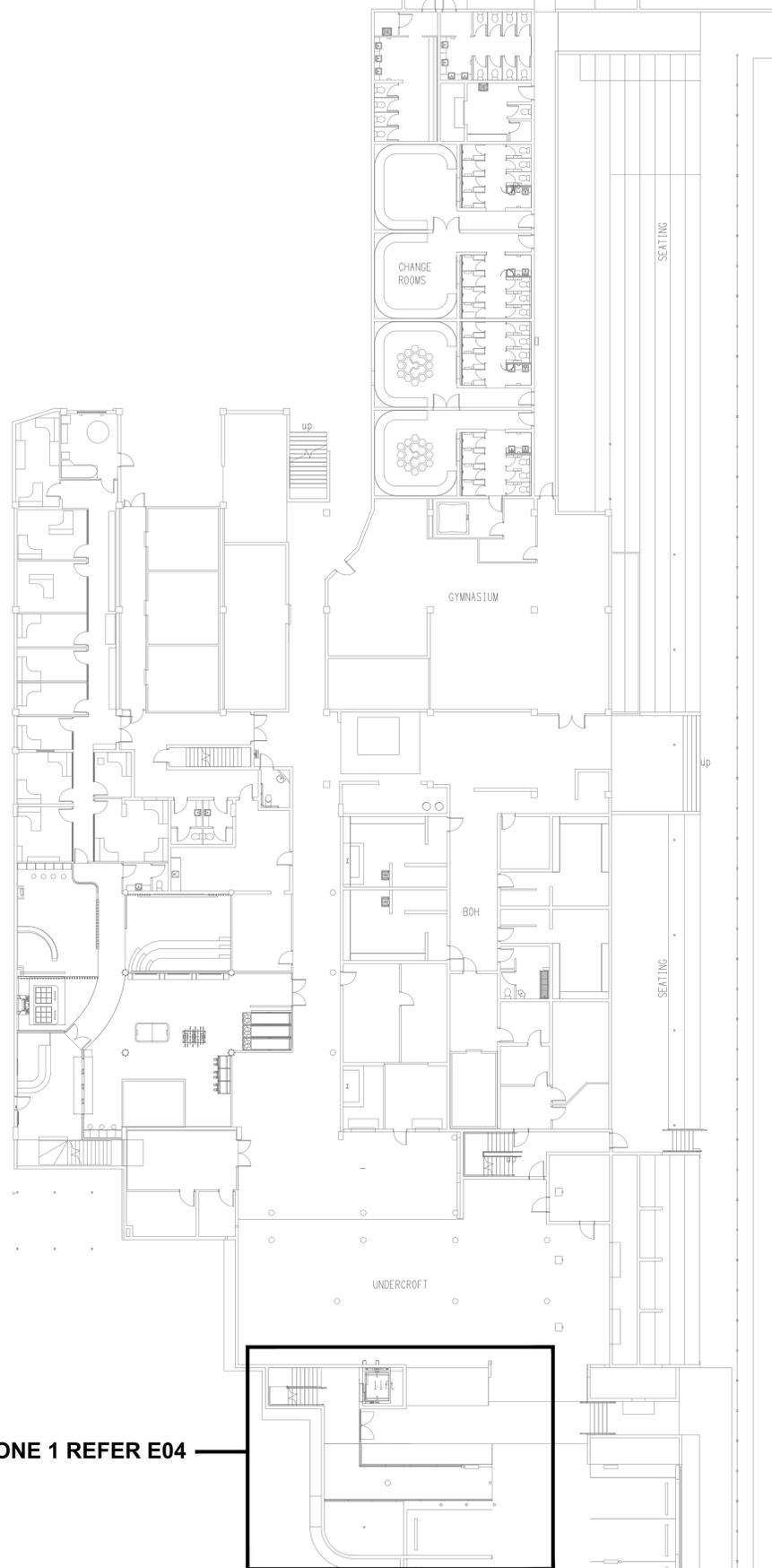
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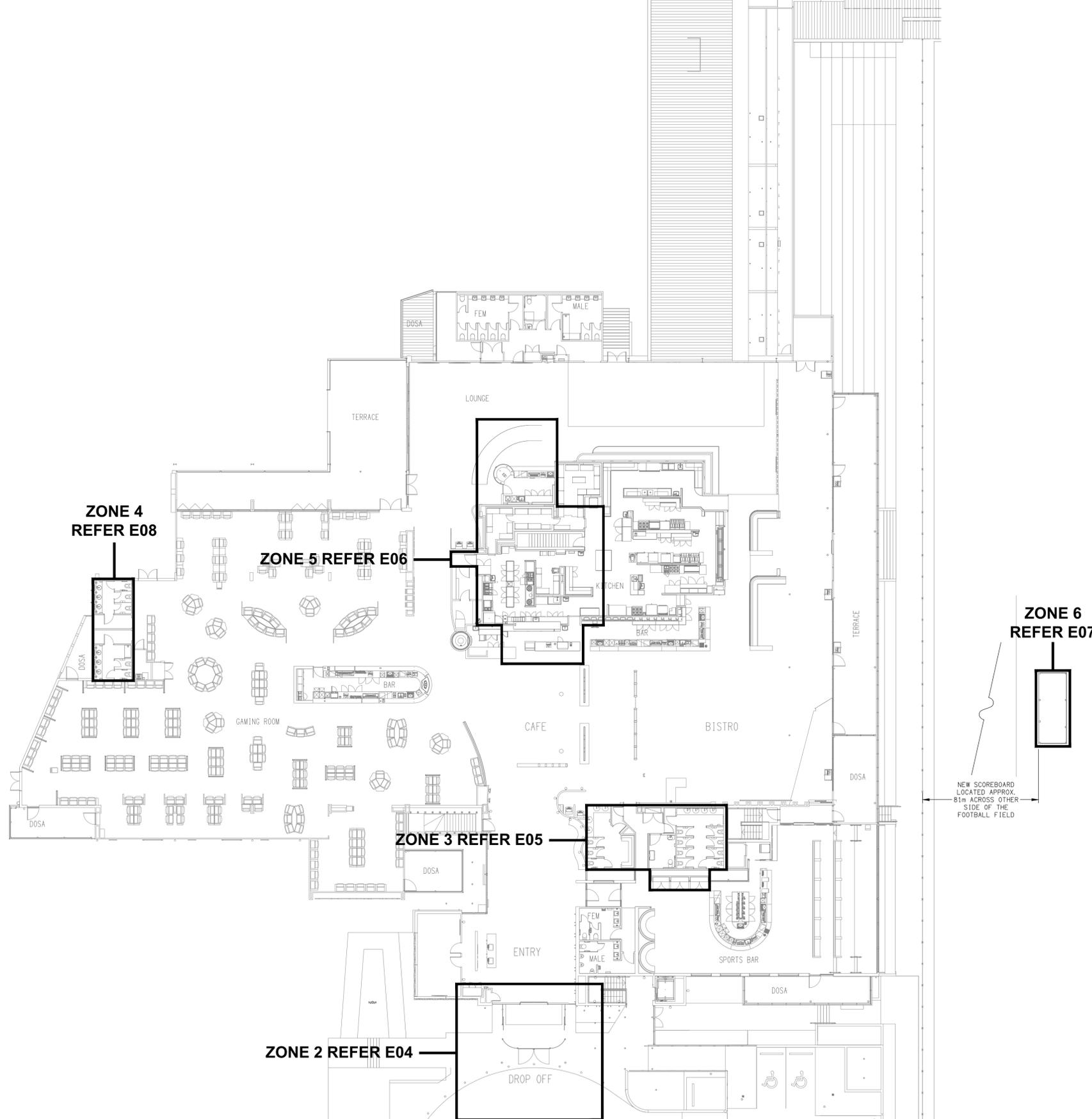
PROJECT:

THE LION RICHLANDS - MINOR PROJECTS

133 PINE ROAD, RICHLANDS



BASEMENT LEVEL
KEY PLAN OF WORK LOCATIONS
SCALE 1:200



GROUND LEVEL
KEY PLAN OF WORK LOCATIONS
SCALE 1:200

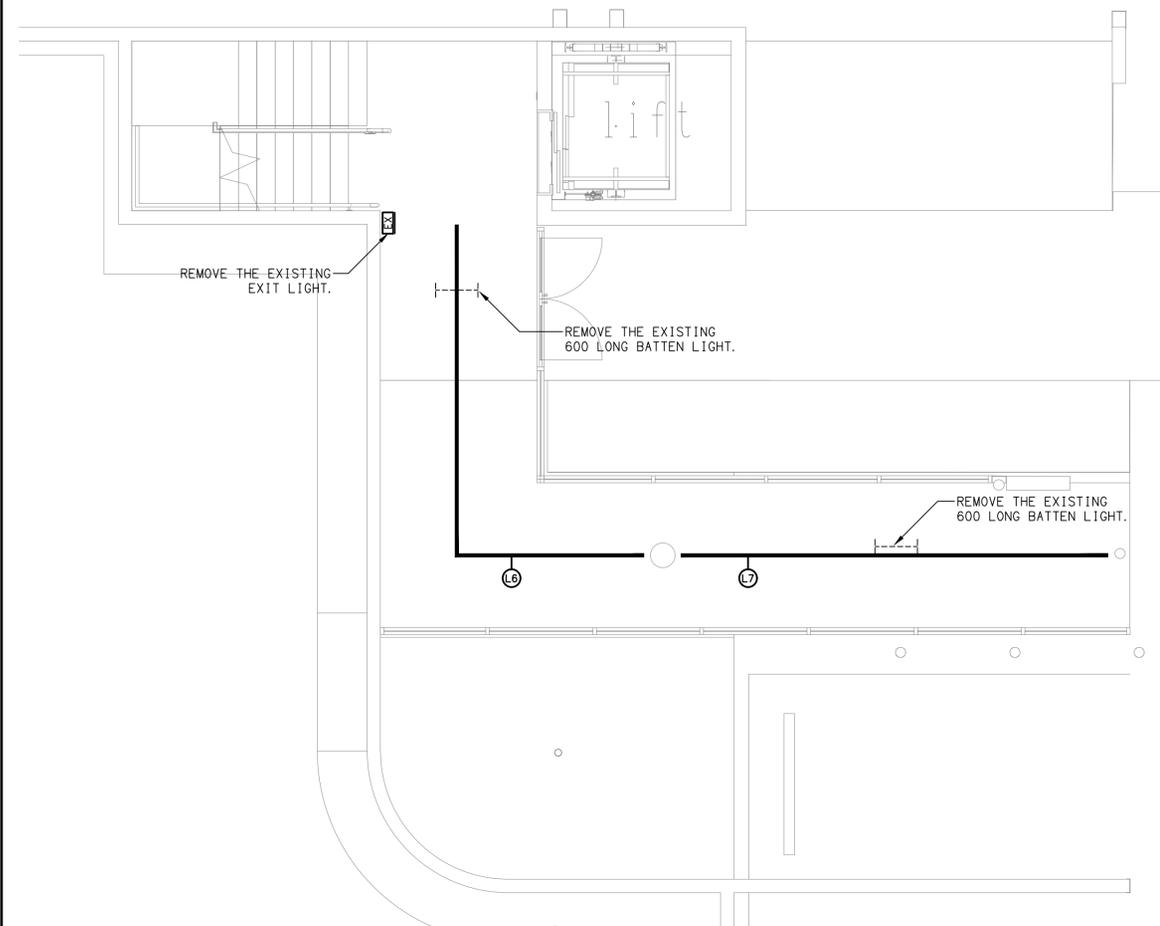
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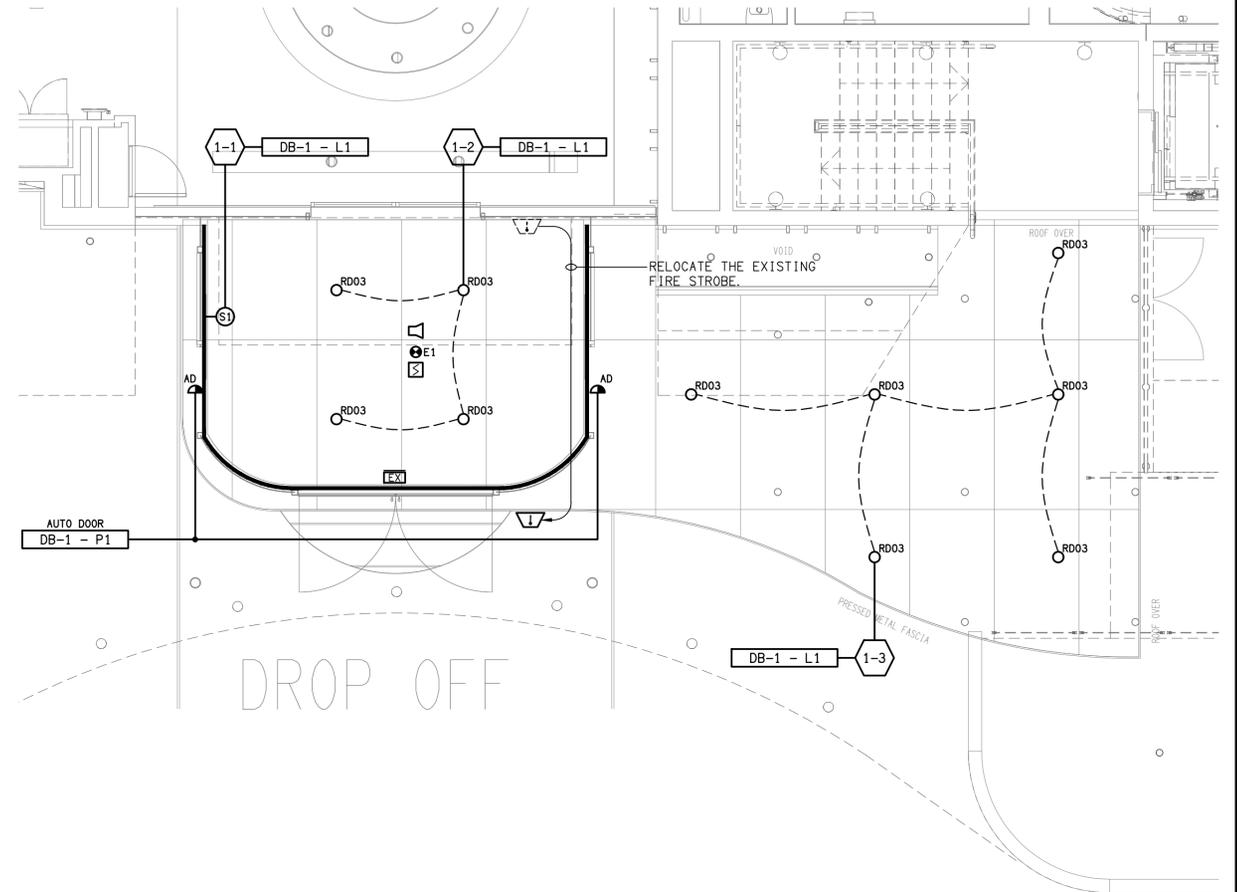
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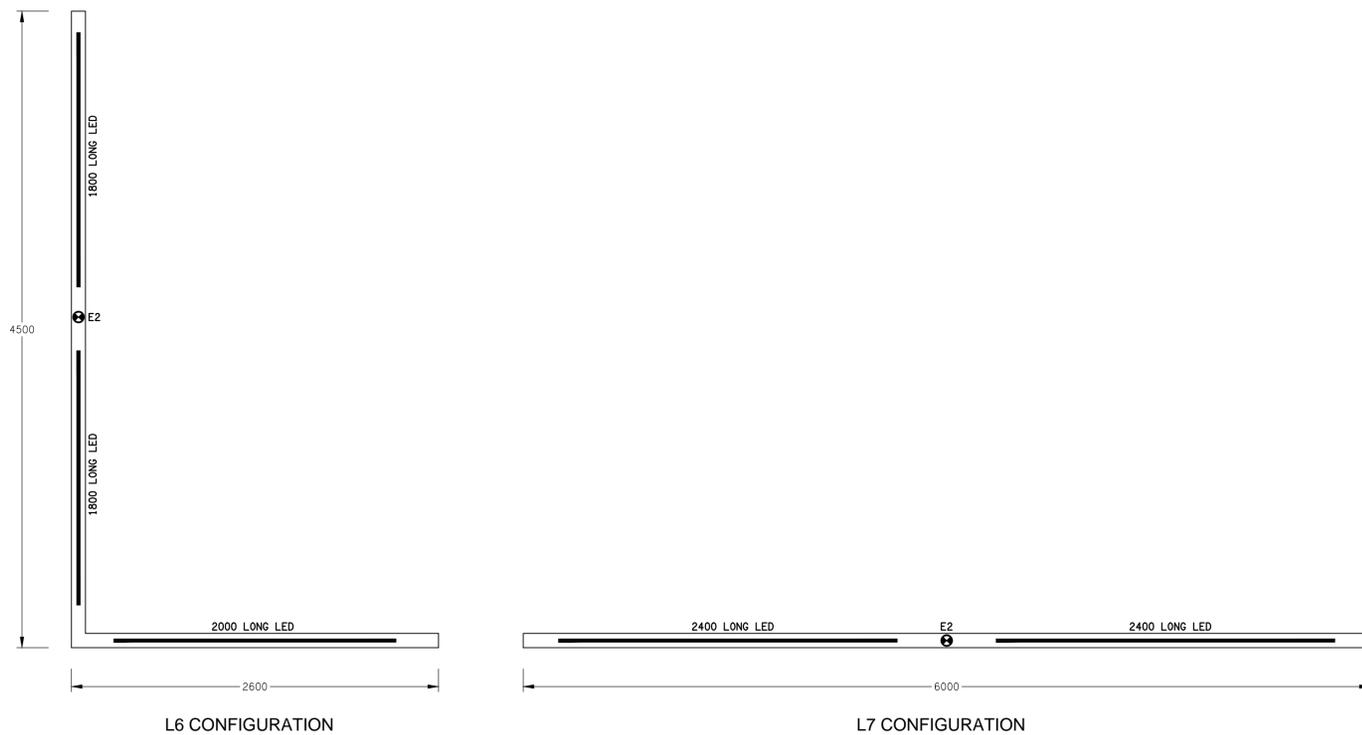
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| DRAWING: ELECTRICAL SERVICES KEY PLAN | | |
| SCALE: 1:200 | AT A1 | PROJECT NO: C3067a |
| | | DRAWING NO: E03 |
| | | REVISION: B |



ZONE 1
BASEMENT LEVEL ENTRY PLAN
SCALE 1:50



ZONE 2
GROUND LEVEL ENTRY PLAN
SCALE 1:50



DETAIL
L6 & L7 LIGHTING EXTRUSIONS
NOT TO SCALE

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DRAWING:
ELECTRICAL SERVICES
ZONE 1 & 2 PLANS

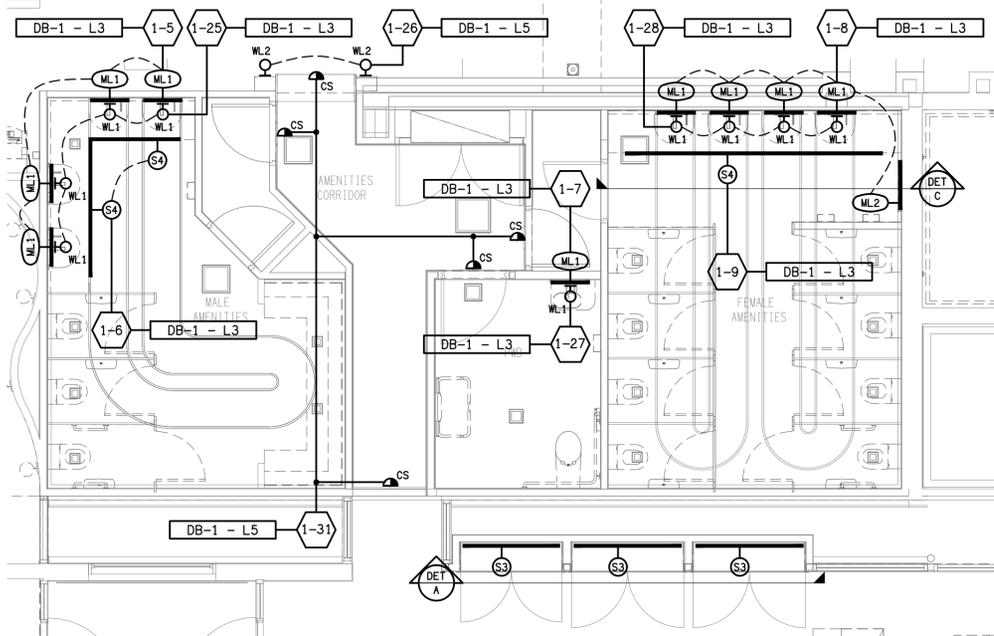
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AT A1

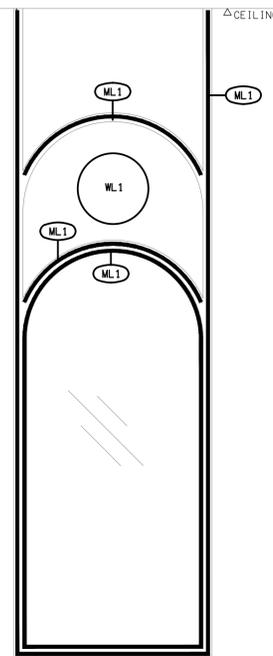
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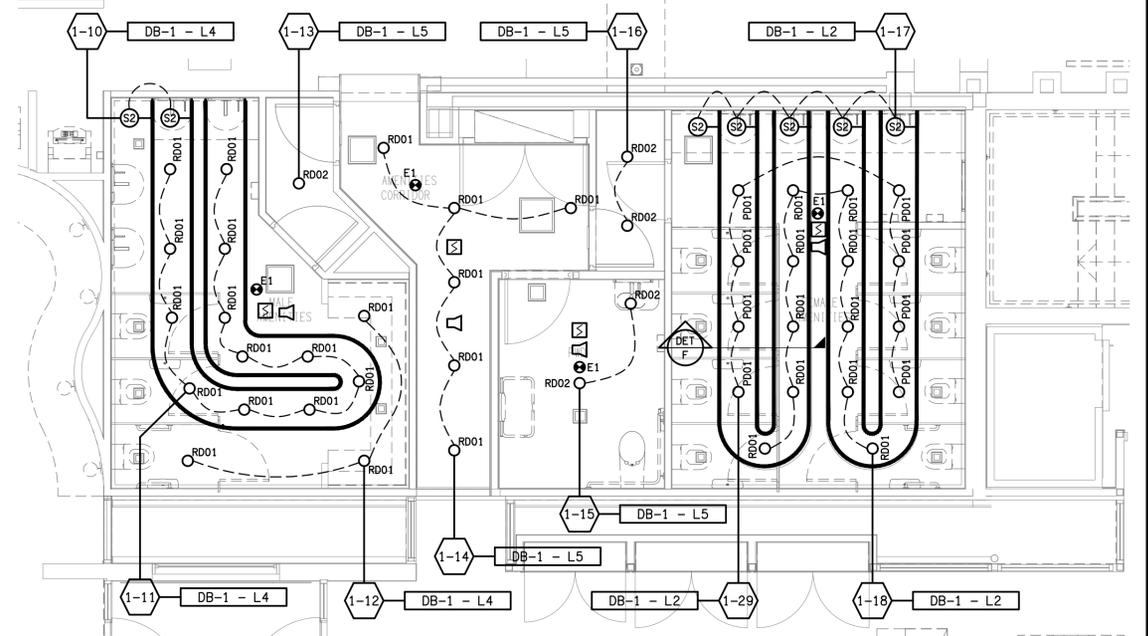
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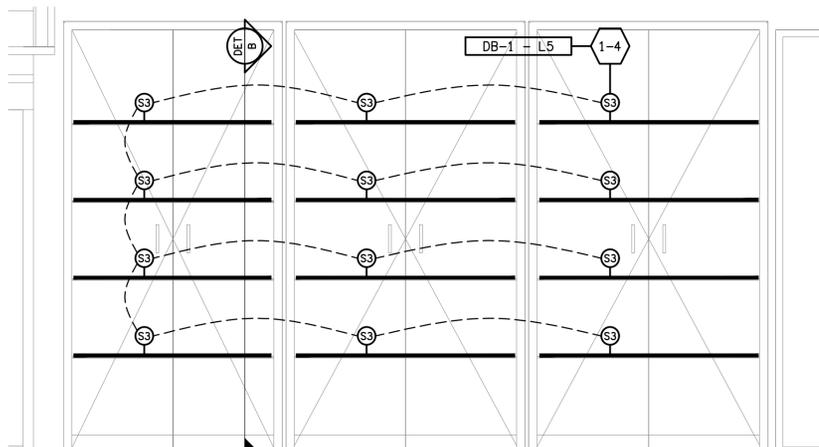
ZONE 3
RESTAURANT AMENITIES WALL MOUNTED LIGHTING
SCALE 1:50



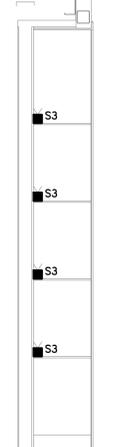
DETAIL E
TYPICAL MIRROR ELEVATION
SCALE 1:10



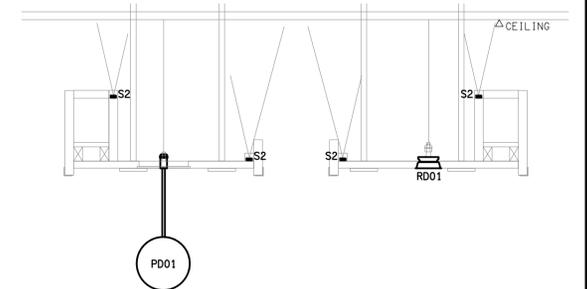
ZONE 3
RESTAURANT AMENITIES REFLECTED CEILING PLAN
SCALE 1:50



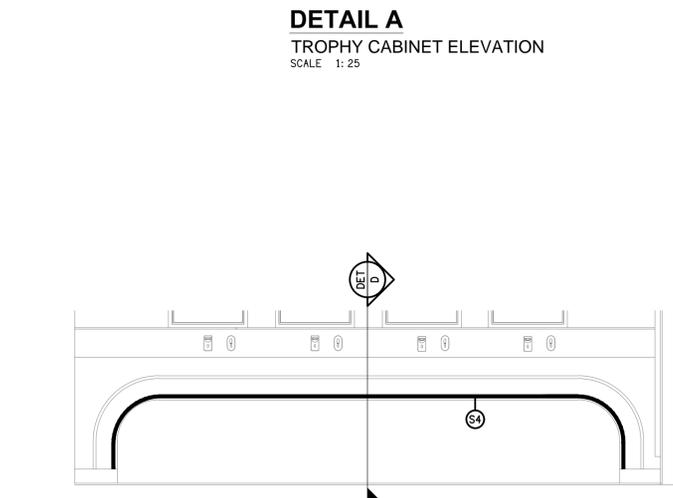
DETAIL A
TROPHY CABINET ELEVATION
SCALE 1:25



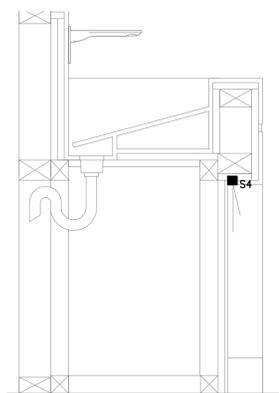
DETAIL B
TROPHY CABINET SECTION
SCALE 1:25



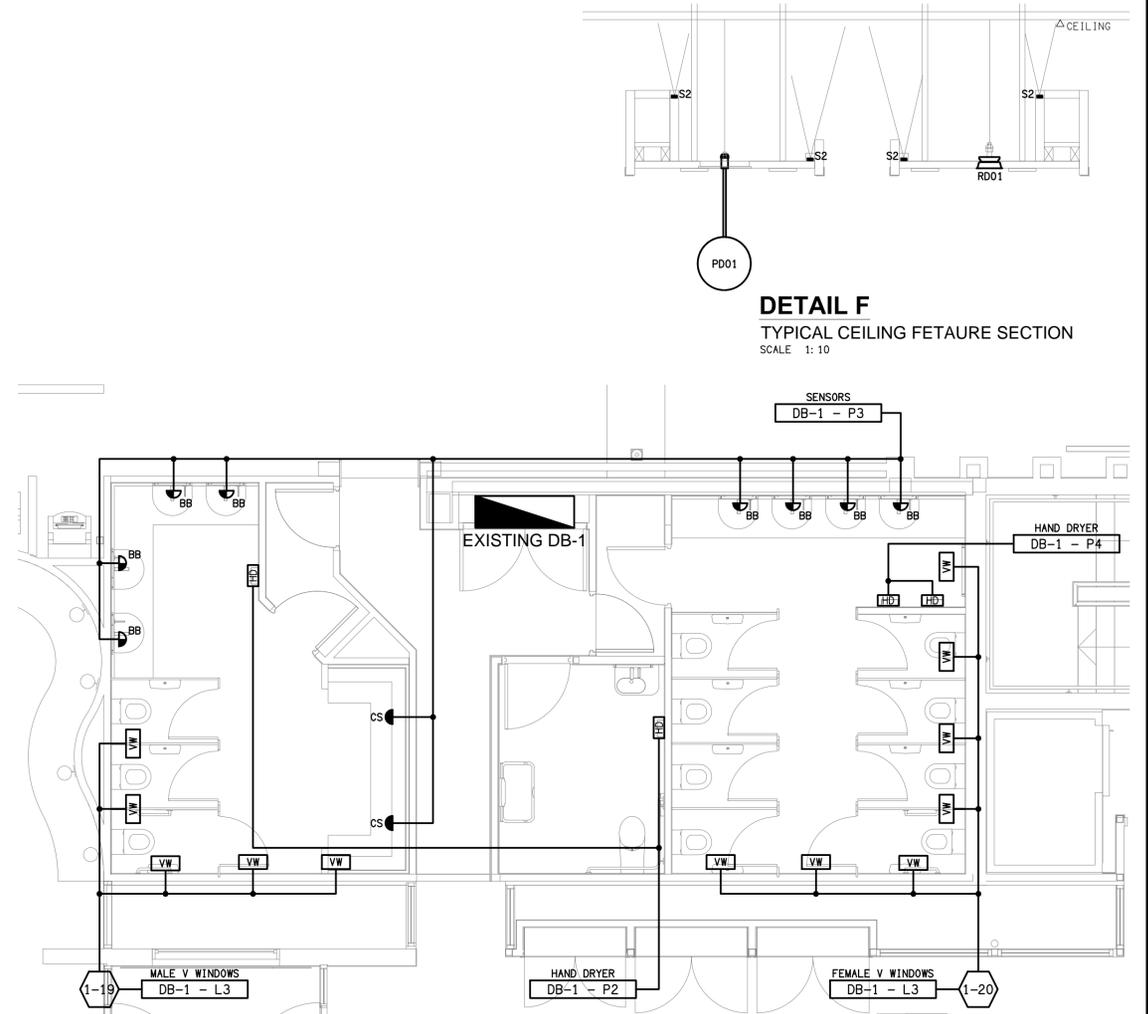
DETAIL F
TYPICAL CEILING FETAURE SECTION
SCALE 1:10



DETAIL C
FEMALE VANITY BENCH ELEVATION
SCALE 1:25



DETAIL D
TYPICAL VANITY BENCH SECTION
SCALE 1:25



ZONE 3
RESTAURANT AMENITIES FLOOR PLAN
SCALE 1:50

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**ELECTRICAL SERVICES
ZONE 3 PLANS**

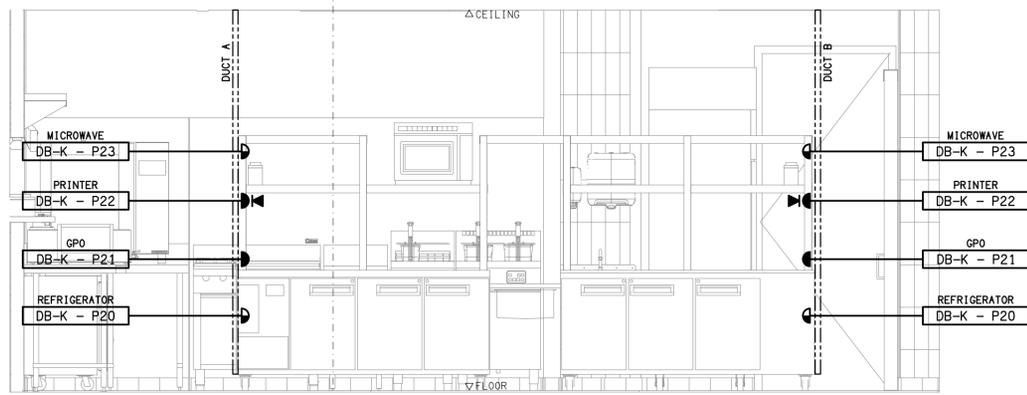
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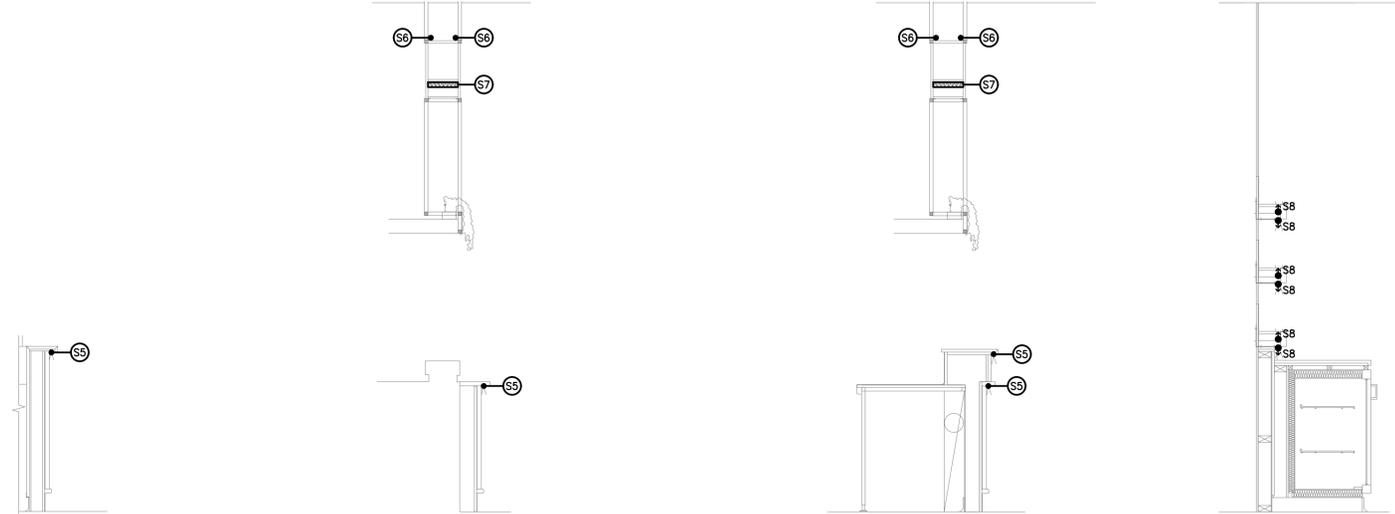
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DETAIL A
KITCHEN ISLAND BENCH ELEVATION
SCALE 1:25

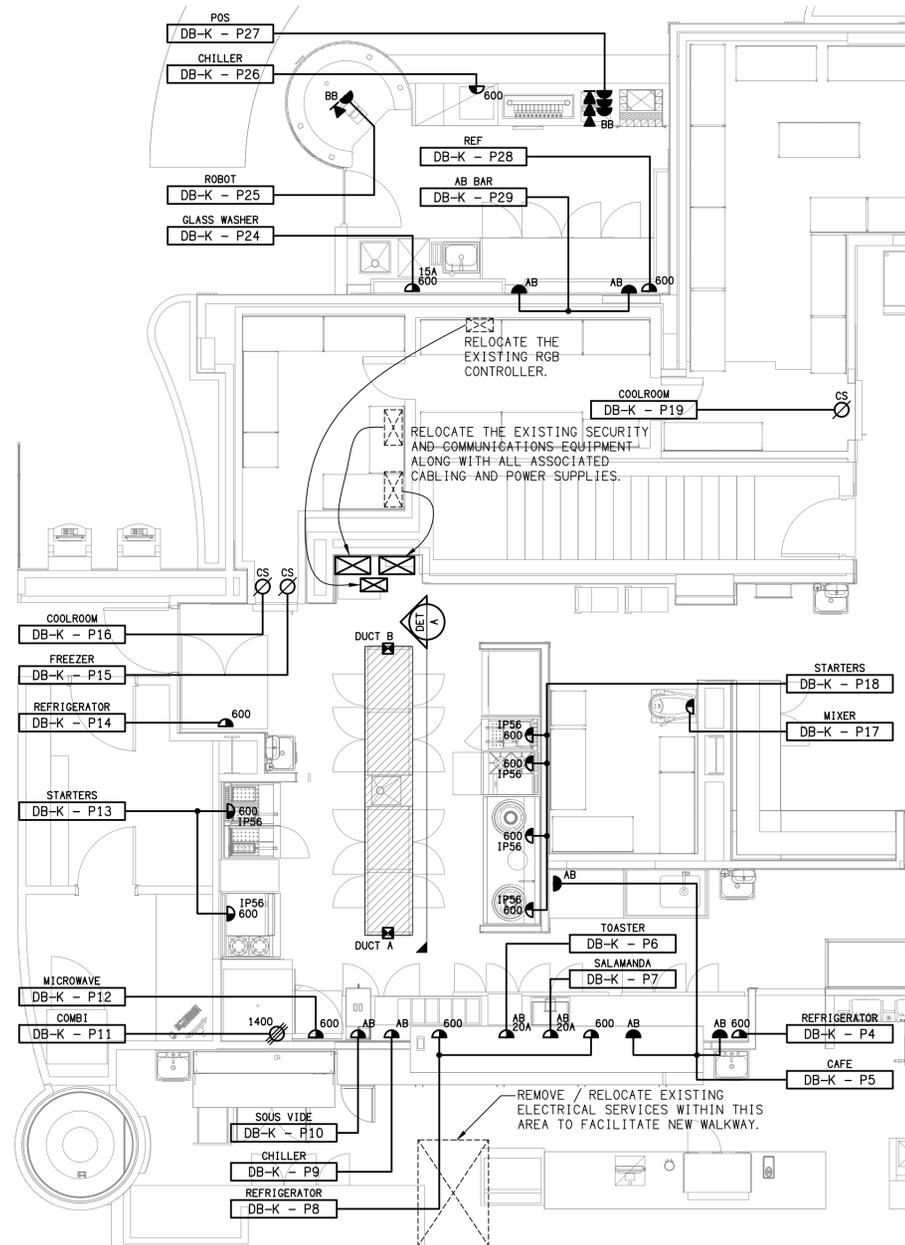


DETAIL C
LOUNGE BAR LIGHTING SECTION 1
SCALE 1:25

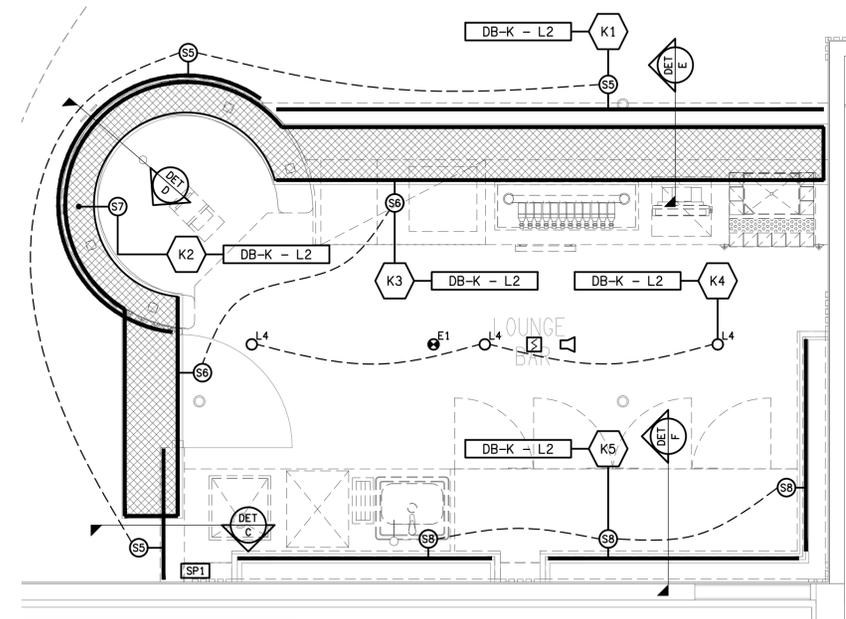
DETAIL D
LOUNGE BAR LIGHTING SECTION 2
SCALE 1:25

DETAIL E
LOUNGE BAR LIGHTING SECTION 2
SCALE 1:25

DETAIL F
LOUNGE BAR SHELVING SECTION
SCALE 1:25

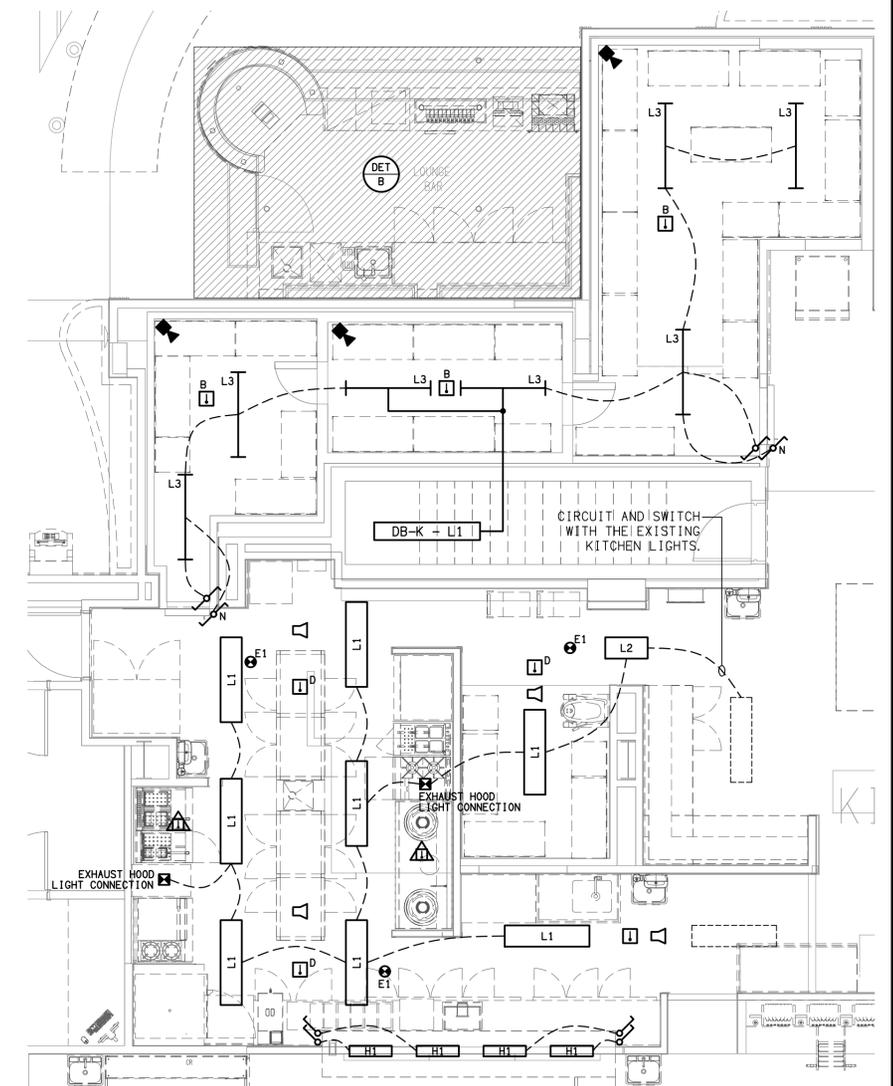
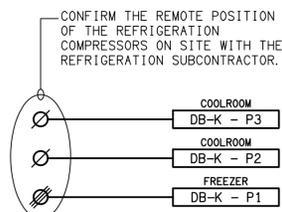


ZONE 5
KITCHEN & BAR AREA FLOOR PLAN
SCALE 1:50



DETAIL B
LOUNGE BAR LIGHTING PLAN
SCALE 1:25

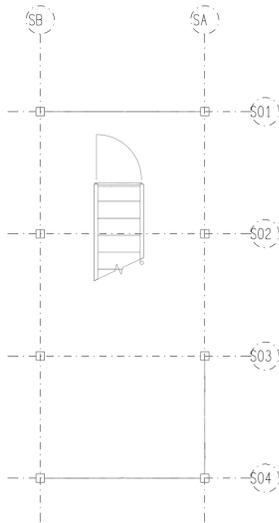
NOTE:
CORRUGATED CONDUIT IS NOT TO BE USED
IN THE AREAS SHOWN ON THIS PLAN.



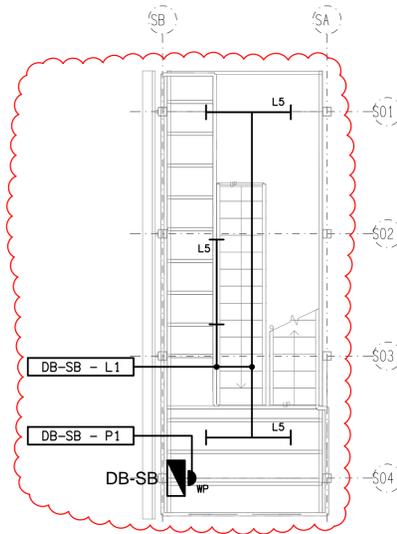
ZONE 5
KITCHEN & BAR AREA FLOOR PLAN
SCALE 1:50

LEGEND

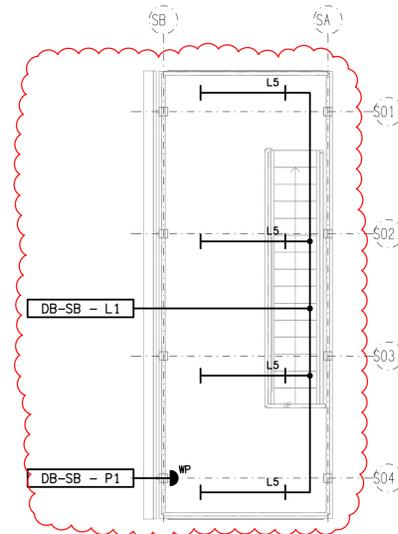
| TYPE | LAMPS | DESCRIPTION | COLOUR / ACCESSORY | CATALOGUE No |
|------|---------------|--|--------------------|-------------------------|
| L5 | 36W LED 4000K | 1200 LONG HORIZONTALLY MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND A LIGHT LEVEL / MOVEMENT SENSOR. | LIGHT GREY | GAMMA STORM 1558-CCT-36 |
| 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 |



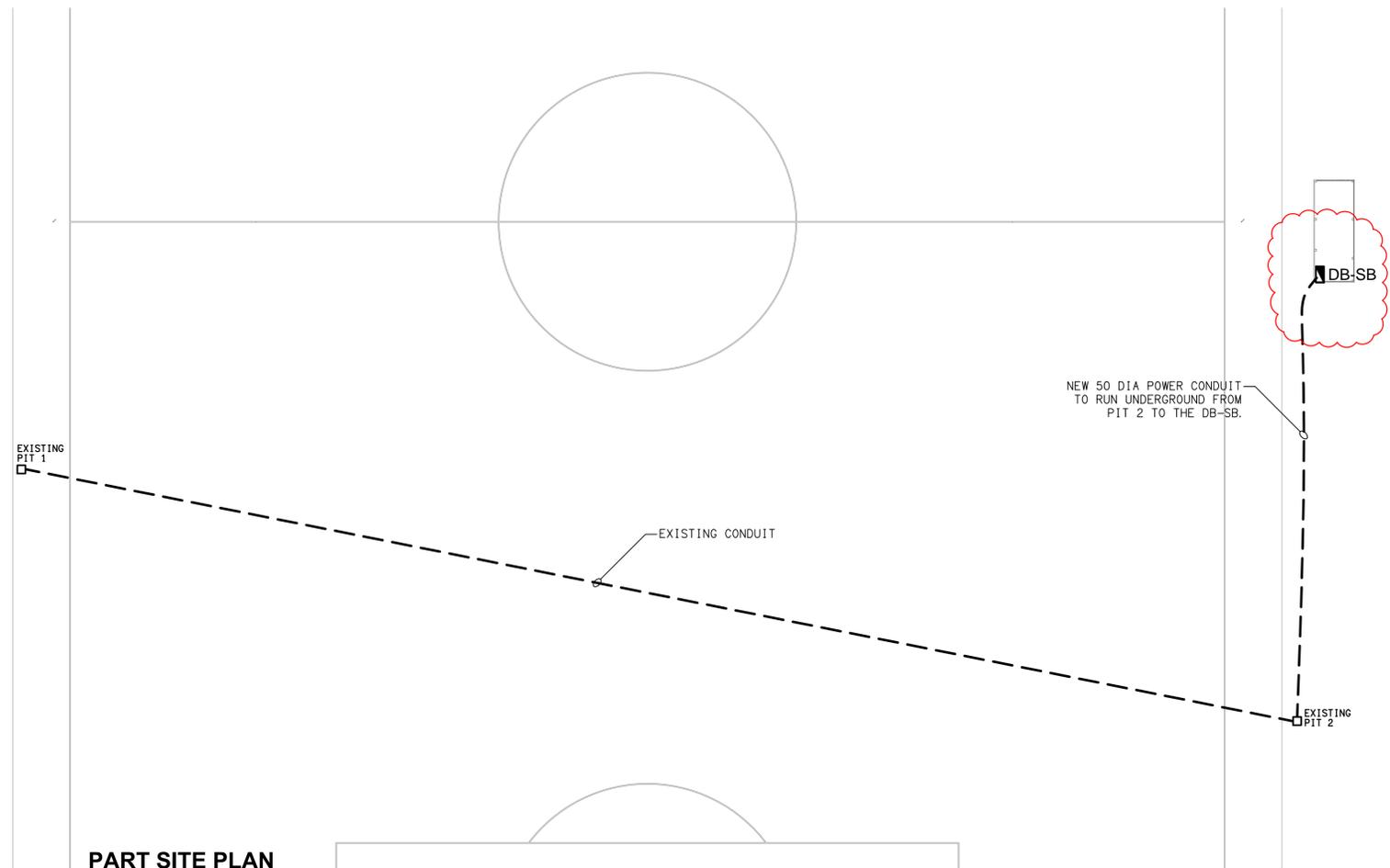
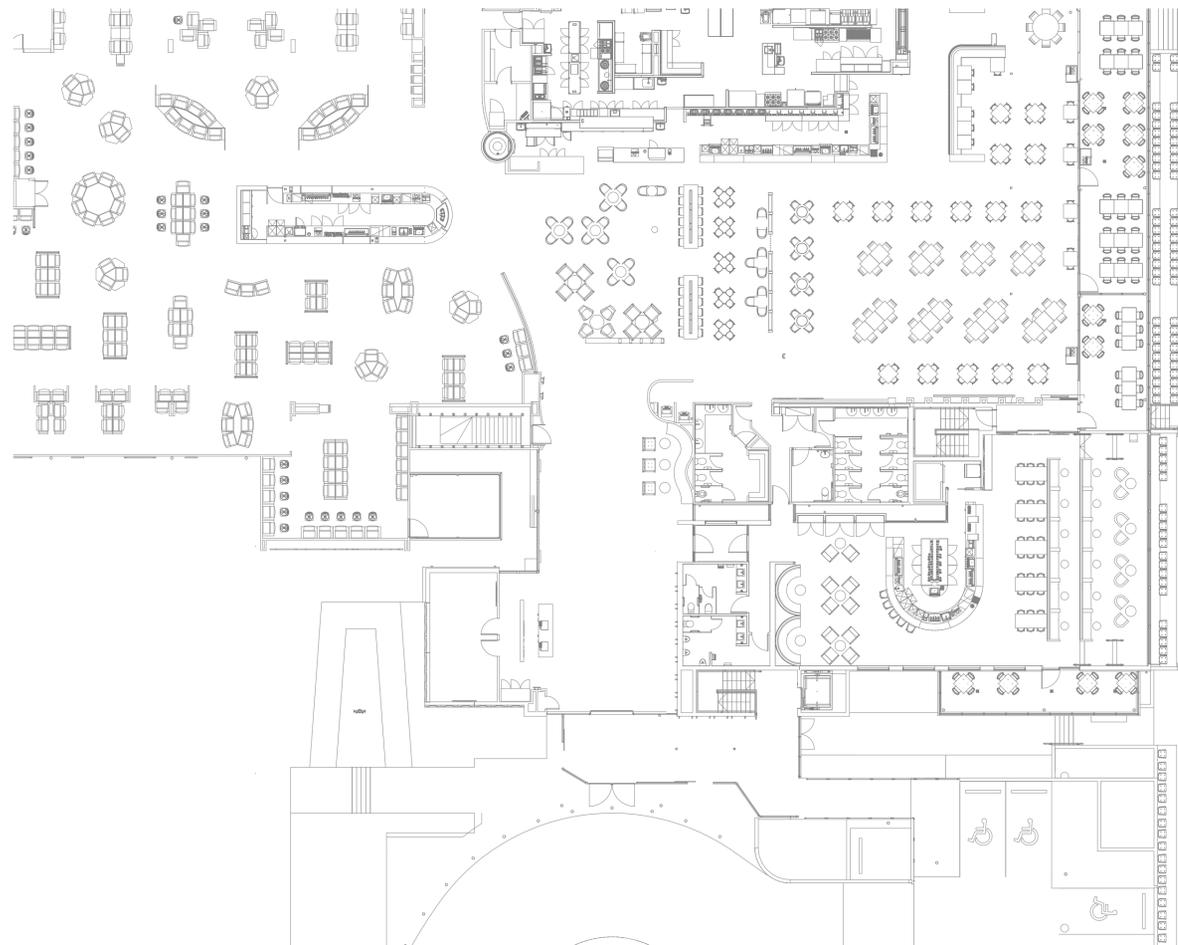
GROUND LEVEL
SCOREBOARD PLAN
SCALE 1:50



LEVEL 1
SCOREBOARD PLAN
SCALE 1:50



LEVEL 2
SCOREBOARD PLAN
SCALE 1:50



PART SITE PLAN
SCOREBOARD CONDUIT ROUTES
SCALE 1:200

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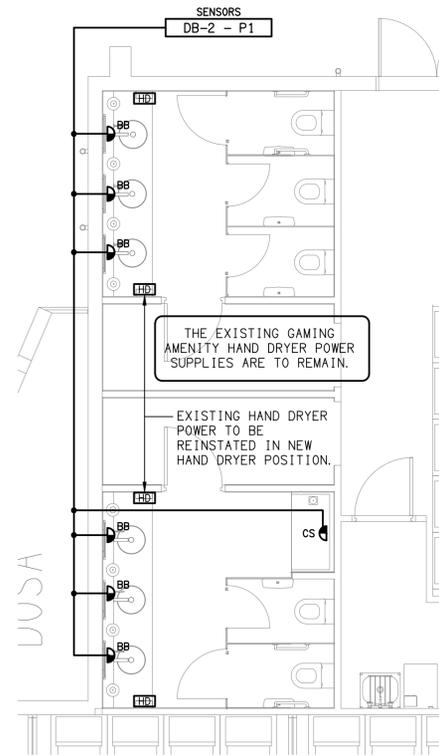
DRAWING:
**ELECTRICAL SERVICES
ZONE 6 PLANS**

SCALE:
1:50 & 1:200 AT A1

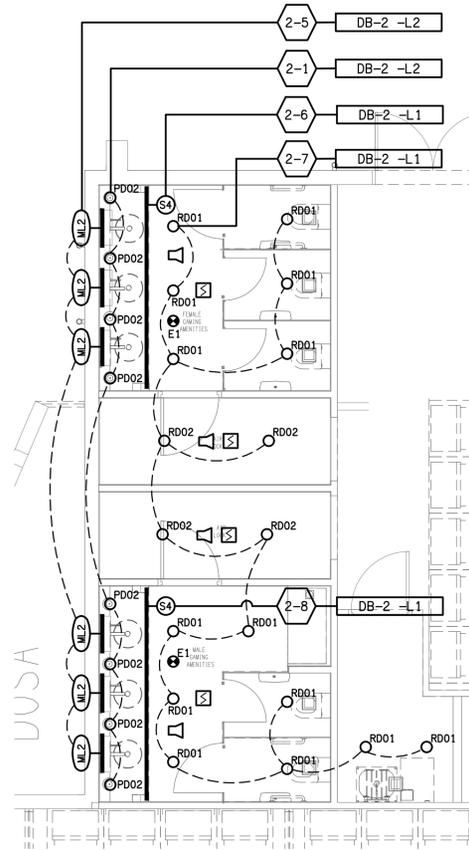
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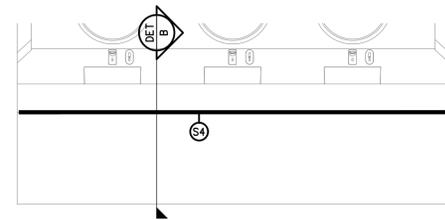
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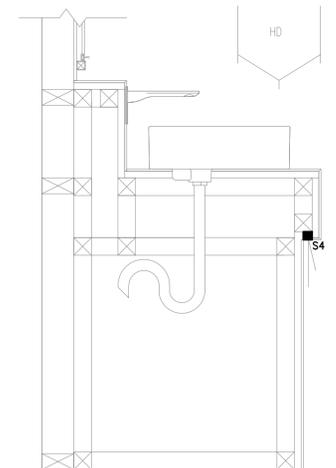
ZONE 4
GAMING AMENITIES FLOOR PLAN
SCALE 1:50



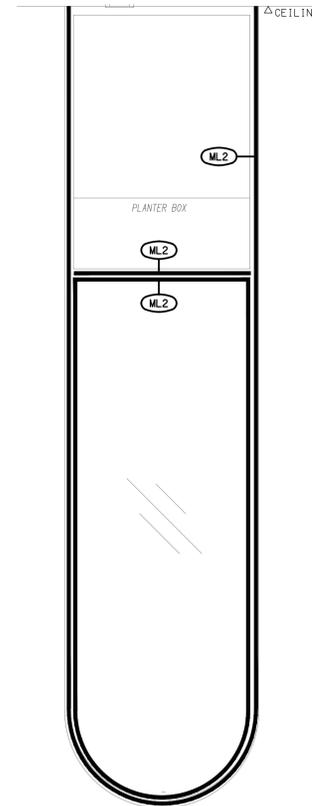
ZONE 4
GAMING AMENITIES REFLECTED CEILING PLAN
SCALE 1:50



DETAIL A
TYPICAL VANITY BENCH ELEVATION
SCALE 1:25



DETAIL B
TYPICAL VANITY SECTION
SCALE 1:10



DETAIL C
TYPICAL MIRROR ELEVATION
SCALE 1:10

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| REV: | DESCRIPTION: | DATE: |

DRAWING:
ELECTRICAL SERVICES
ZONE 4 PLANS

SCALE:
1:50

AT A1

PROJECT NO:
C3067a

DRAWING NO:
E08

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