



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: [www.edg.net.au](http://www.edg.net.au) Email: [brisbane@edg.net.au](mailto:brisbane@edg.net.au)

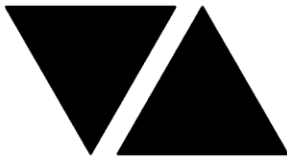
C2642a - ORMISTON COLLEGE - FENCING MASTERPLAN

C2642a-0002(H).xls

## ELECTRICAL EQUIPMENT SCHEDULE

REVISION H - 25 NOVEMBER 2024

TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
GATE CONTROLLER	CONNECT THE GATE CONTROLLER TO THE CIRCUIT NOMINATED VIA A CONCEALED 240 VOLT CABLE AND ISOLATOR. CONNECT THE GATE CONTROLLER TO THE ACCESS CONTROL SYSTEM.			F
FAN	PROVIDE A HIGH LEVEL WALL MOUNTED 110L/SEC AT 50PA EXHAUST FAN C/W TEMPERATURE CONTROLLER AND SENSOR C/W INTEGRAL NON RETURN DAMPER AND WEATHER PROOF LOUVER. PROVIDE A 600 X 300 WEATHER PROOF LOUVER C/W VERMIN SCREEN MOUNTED AT LOW LEVEL WITHIN THE DOOR OPPOSITE TO THE FAN. CONFIGURE THE FAN TO OPERATE AUTOMATICALLY WHEN THE AIR TEMPERATURE INSIDE THE ENCLOSURE REACHES 25 DEG. CONNECT THE FAN TO THE NOMINATED GPO VIA A FLEX AND PLUG.			F
DB-A	PROVIDE DB-A AS A PLASTIC 24 POLE SINGLE PHASE LOAD CENTRE C/W A 100 AMP NON AUTO LOAD BREAK MAIN SWITCH A 100 AMP BUS COMB AND A CLEAR SWITCHGEAR COVER. PROVIDE A SINGLE PHASE 63 AMP MINIATURE CIRCUIT BREAKER IN DB-56 TO SUPPLY DB-A. PROVIDE A 25MM 2CORE + E UNDERGROUND SUBMAIN FROM THE DB-56 CIRCUIT BREAKER TO SUPPLY DB-A. PROVIDE EACH OF THE 11 DB-A CIRCUITS AS SINGLE PHASE 2.5MM CIRCUITS PROTECTED BY A 20AMP RCBO. PROVIDE DB-A WITH A WALL MOUNTED LAMINATED CIRCUIT SCHEDULE. PROVIDE DETAILS OF DB-A FOR APPROVAL. CONTROL CIRCUIT DB-A - P8 (SIGN) VIA A PE CELL TO TURN ON 30 MINUETS PRIOR TO DUSK AND OFF VIA A TIME CLOCK AT 11.00PM. CONTROL CIRCUIT DB-A - P9 (LIGHT) VIA A PE CELL TO TURN ON 30 MINUETS PRIOR TO DUSK AND OFF AT DAWN.			F
DB-B	PROVIDE DB-B AS A PLASTIC 24 POLE SINGLE PHASE LOAD CENTRE C/W A 100 AMP NON AUTO LOAD BREAK MAIN SWITCH A 100 AMP BUS COMB AND A CLEAR SWITCHGEAR COVER. PROVIDE A SINGLE PHASE 63 AMP MINIATURE CIRCUIT BREAKER IN DB-40 TO SUPPLY DB-B. PROVIDE A 25MM 2CORE + E UNDERGROUND SUBMAIN FROM THE DB-40 CIRCUIT BREAKER TO SUPPLY DB-B. PROVIDE EACH OF THE 10 DB-B CIRCUITS AS SINGLE PHASE 2.5MM CIRCUITS PROTECTED BY A 20AMP RCBO. PROVIDE DB-B WITH A WALL MOUNTED LAMINATED CIRCUIT SCHEDULE. PROVIDE DETAILS OF DB-B FOR APPROVAL. CONTROL CIRCUIT DB-B - P7 (SIGN) VIA A PE CELL TO TURN ON 30 MINUETS PRIOR TO DUSK AND OFF VIA A TIME CLOCK AT 11.00PM.			F
DB-C	PROVIDE DB-C AS A PLASTIC 24 POLE SINGLE PHASE LOAD CENTRE C/W A 100 AMP NON AUTO LOAD BREAK MAIN SWITCH A 100 AMP BUS COMB AND A CLEAR SWITCHGEAR COVER. PROVIDE A SINGLE PHASE 63 AMP MINIATURE CIRCUIT BREAKER IN DB-40 TO SUPPLY DB-C. PROVIDE A 25MM 2CORE + E UNDERGROUND SUBMAIN FROM THE DB-40 CIRCUIT BREAKER TO SUPPLY DB-C. PROVIDE EACH OF THE 6 DB-C CIRCUITS AS SINGLE PHASE 2.5MM CIRCUITS PROTECTED BY A 20AMP RCBO. PROVIDE DB-C WITH A WALL MOUNTED LAMINATED CIRCUIT SCHEDULE. PROVIDE DETAILS OF DB-C FOR APPROVAL.			F
DB-1	EXISTING BUILDING 1 DISTRIBUTION BOARD TO BE PROVIDED WITH A NEW CIRCUIT BRAKER TO SUPPLY THE NEW DB-1 - P1 CIRCUIT. UPDATE THE SCHEDULE.			F
CIRCUIT DB-1 - P1	PROVIDE CIRCUIT DB-1 - P1 AS SINGLE PHASE 2.5MM CIRCUIT PROTECTED BY A 20AMP RCBO SUPPLIED FROM THE EXISTING ADMINISTRATION BUILDING DISTRIBUTION BOARD DB-1. UPDATE THE DISTRIBUTION BOARD CIRCUIT SCHEDULE. CIRCUIT DB-1 - P1 IS TO BE FULLY CONCEALED FROM THE DISTRIBUTION BOARD TO THE ISOLATOR.			F
DB-56	EXISTING BUILDING 56 DISTRIBUTION BOARD TO BE UPGRADED AS NECESSARY TO ACCOMMODATE THE NEW DB-A SUPPLY CIRCUIT BREAKER. LABEL THE NEW CIRCUIT BREAKER "FRONT FENCE DB-A" UTILISE THE EXISTING UNDERGROUND CONDUIT SYSTEM TO FACILITATE THE NEW DB-A SUBMAIN.			F
DB-40	EXISTING BUILDING 40 DISTRIBUTION BOARD TO BE UPGRADED TO ACCOMMODATE THE NEW DB-B AND DB-C SUPPLY CIRCUIT BREAKERS. PROVIDE A NEW 30 POLE ENCLOSURE IMMEDIATELY BELOW THE EXISTING PANEL. THE NEW ENCLOSURE IS TO BE THE SAME BRAND STYLE COLOUR WIDTH DEPTH AND HAVE A SIMILAR DOOR AS THE EXISTING PANEL. RELOCATE THE EXISTING THREE PHASE RCD CIRCUIT TO THE NEW 30 POLE PANEL. PROVIDE A NEW 63 AMP THREE PHASE MCCBS IN THE SPACE CREATED TO SUPPLY THE NEW PANEL. LABEL THE NEW CIRCUIT BREAKERS "FRONT FENCE DB-B" AND "FRONT FENCE DB-C" PROVIDE CONCEALED CABLE ACCESS FROM THE DB TO THE EXISTING UNDERGROUND CONDUIT SYSTEM TO FACILITATE THE NEW DB-B AND DB-C SUBMAINS.			F



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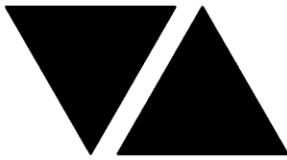
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## ELECTRICAL EQUIPMENT SCHEDULE

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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
CR-A	PROVIDE CR-A AS A WALL MOUNTED 12 RU 400 DEEP LOCKABLE COMMUNICATIONS RACK C/W A FOBOT, PATCH PANELS AND MOUNTING TRAY. CONNECT THE FOBOT TO CORE A VIA A NEW MOLEX 12 CORE OS2 UNDERGROUND CABLE FULLY TERMINATED WITH SC CONNECTORS RUN UNDERGROUND TO THE BUILDING 56 SWITCH ROOM THEN VIA A NEW CONCEALED CABLE ACCESS SYSTEM THROUGH BUILDING 56 TO CORE 3. CONFIRM THE CONCEALED CABLE ROUTE THROUGH BUILDING 56 ON SITE WITH HE SCHOOL. PROVIDE A NEW FOBOT IN CORE 3 AS REQUIRED. PROVIDE DETAILS OF THE RACK, FOBOTS, PATCH PANELS AND CABLE FOR APPROVAL. MOUNT THE ASSOCIATED GPO ON THE REAR WALL WITHIN THE RACK.			F
CR-B	PROVIDE CR-C AS A WALL MOUNTED 12 RU 400 DEEP LOCKABLE COMMUNICATIONS RACK C/W A FOBOT, PATCH PANELS AND MOUNTING TRAY. RECOVER THE EXISTING FIBRE THAT SERVICES THE SIGN AND REDIRECT IT TO THE NEW CR-B FOBOT. PROVIDE DETAILS OF THE RACK, FOBOTS, PATCH PANELS AND CABLE FOR APPROVAL. MOUNT THE ASSOCIATED GPO ON THE REAR WALL WITHIN THE RACK.			F
CR-C	PROVIDE CR-C AS A WALL MOUNTED 12 RU 400 DEEP LOCKABLE COMMUNICATIONS RACK C/W A FOBOT, PATCH PANELS AND MOUNTING TRAY. CONNECT THE CR-C FOBOT TO CR-B A VIA A NEW MOLEX 12 CORE OS2 UNDERGROUND CABLE FULLY TERMINATED WITH SC CONNECTORS RUN UNDERGROUND. PROVIDE DETAILS OF THE RACK, FOBOTS, PATCH PANELS AND CABLE FOR APPROVAL. MOUNT THE ASSOCIATED GPO ON THE REAR WALL WITHIN THE RACK.			F
CORE A	EXISTING BUILDING 56 CORE A TO BE UPGRADED WITH A NEW FOBOT THAT MATCHES THE EXISTING TO ACCOMMODATE THE NEW CR-A FIBRE.			F
POLE	PROVIDE A 9M HIGH BLACK TAPERED METAL POLE C/W BASEPLATE ACCESS PANEL AND RAG BOLT FOOTING. PROVIDE THE POLE WITH FOUR CAT6 MALE PLUGS BEHIND THE ACCESS PANEL EACH CABLED VIA A DEDICATED CONCEALED UNDERGROUND CABLE TO A PATCH PANEL IN CR-A. PROVIDE EACH CABLE WITH 10M OF SPARE CABLE TO ALLOW THE PLUG TO BE DRAWN UP THE POLE TO A CCTV CAMERA. PROVIDE THE POLE WITH A GAMMA ILLUMINATION ALTUS 1346-4K-120W BLACK FLOOD LIGHT.			F
EXISTING DIGITAL SIGN	EXISTING DIGITAL SIGN. RECOVER THE EXISTING FIBRE THAT SUPPLIES THE SIGN AND REDIRECT IT INTO CR-B. PROVIDE A NEW UNDERGROUND CAT 6 SERVICE FROM CR-B TO THE SIGN WITH THE OUTLET POSITION IN THE SIGN CONFIRMED ON SITE WITH THE SCHOOL. REMOVE THE EXISTING POWER SUPPLY FROM DB-42 TO THE SIGN AND RESUPPLY THE SIGN FROM DB-B.			F
ILLUMINATED SIGN	PROVIDE A GPO IN A CONCEALED POSITION COORDINATED WITH THE SIGN CONTRACTOR ENSURING THE GPO IS PROVIDED WITH APPROPRIATE WEATHER PROTECTION.			F
ISCVG1	WALL MOUNTED INTERCOM DOOR STATION CABLED TO AN IP CONTROL UNIT LOCATED IN CR-A VIA A UNDERGROUND SINGLE PAIR SHIELDED TWISTED 24 AWG CABLE. MOUNT THE DOOR STATION ON A CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE THAT ALSO MOUNTS THE CRVG1 AND THE MKVG1. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE FOR APPROVAL. SHELF MOUNT THE IP CONTROL UNIT IN CR-A WITH IT EARTHED AS PER THE INSTALLATION INSTRUCTIONS. CONNECT THE IP CONTROLLERS "NO" DOOR OUTPUT RELAY TO THE VG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE REMOTE OPENING OF VG1	STAINLESS STEEL FACEPLATE	ALGO SOLUTIONS 8028 SIP INTERCOM SST G2	F



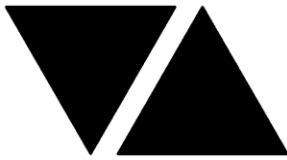
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## ELECTRICAL EQUIPMENT SCHEDULE

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MKVG1	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG1 TO THE VG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG1 AND CRVG1.			F
CRVG1	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE VG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF VG1. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG1 AND MKVG1.	NA	INNER RANGE SIFER RS-485	F
ISCVG2	WALL MOUNTED INTERCOM DOOR STATION CABLED TO AN IP CONTROL UNIT LOCATED IN CR-A VIA A UNDERGROUND SINGLE PAIR SHIELDED TWISTED 24 AWG CABLE. MOUNT THE DOOR STATION ON A CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE THAT ALSO MOUNTS THE CRVG2 AND THE MKVG2. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE FOR APPROVAL. SHELF MOUNT THE IP CONTROL UNIT IN CR-A WITH IT EARTHED AS PER THE INSTALLATION INSTRUCTIONS. CONNECT THE IP CONTROLLERS "NO" DOOR OUTPUT RELAY TO THE VG2 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE REMOTE OPENING OF VG2.	STAINLESS STEEL FACEPLATE	ALGO SOLUTIONS 8028 SIP INTERCOM SST G2	F
MKVG2	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG2 TO THE VG2 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG2 AND CRVG2.			F
CRVG2	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE VG2 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE REMOTE OPENING OF VG2 VIA A DEDICATED UNDERGROUND RS-485 CABLE. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG2 AND MKVG2.	NA	INNER RANGE SIFER RS-485	F
ISCVG3	WALL MOUNTED INTERCOM DOOR STATION CABLED TO AN IP CONTROL UNIT LOCATED IN CR-B VIA A UNDERGROUND SINGLE PAIR SHIELDED TWISTED 24 AWG CABLE. MOUNT THE DOOR STATION ON A CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE THAT ALSO MOUNTS THE CRVG3 AND THE MKVG3. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE FOR APPROVAL. SHELF MOUNT THE IP CONTROL UNIT IN CR-B WITH IT EARTHED AS PER THE INSTALLATION INSTRUCTIONS. CONNECT THE IP CONTROLLERS "NO" DOOR OUTPUT RELAY TO THE VG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE REMOTE OPENING OF VG3.	STAINLESS STEEL FACEPLATE	ALGO SOLUTIONS 8028 SIP INTERCOM SST G2	F



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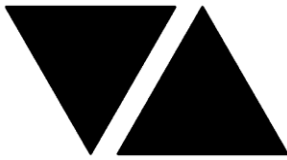
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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
MKVG3	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG3 TO THE VG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG3 AND CRVG3.			F
CRVG3	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE VG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF VG3. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG3 AND MKVG3.	NA	INNER RANGE SIFER RS-485	F
ISCVG4	WALL MOUNTED INTERCOM DOOR STATION CABLED TO AN IP CONTROL UNIT LOCATED IN CR-B VIA A UNDERGROUND SINGLE PAIR SHIELDED TWISTED 24 AWG CABLE. MOUNT THE DOOR STATION ON A CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE THAT ALSO MOUNTS THE CRVG4 AND THE MKVG4. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE FOR APPROVAL. SHELF MOUNT THE IP CONTROL UNIT IN CR-B WITH IT EARTHED AS PER THE INSTALLATION INSTRUCTIONS. CONNECT THE IP CONTROLLERS "NO" DOOR OUTPUT RELAY TO THE VG4 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE REMOTE OPENING OF VG4.	STAINLESS STEEL FACEPLATE	ALGO SOLUTIONS 8028 SIP INTERCOM SST G2	F
MKVG4	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG4 TO THE VG4 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG4 AND CRVG4.			F
CRVG4	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE VG4 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE REMOTE OPENING OF VG4 VIA A DEDICATED UNDERGROUND RS-485 CABLE. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS THE ISCVG4 AND MKVG4.	NA	INNER RANGE SIFER RS-485	F
MKPG3	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKPG3 TO THE PG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS CRPG3. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE FOR APPROVAL.			F
CRPG3	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE PG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF PG3. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS MKPG3.	NA	INNER RANGE SIFER RS-485	F



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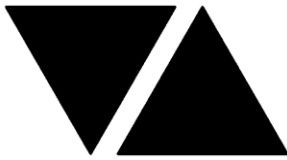
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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
MKBG1	POST MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKBG1 TO THE BG1 ACCESS CONTROL PANEL LOCATED IN THE ADMIN BUILDING ON LEVEL 1 ADJACENT THE EXISTING SECURITY EQUIPMENT TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. MOUNT THE KEY SELECTOR SWITCH ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS CRBG1. PROVIDE THE POST AS 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE CUSTOM BRUSHED STAINLESS STEEL MOUNTING PLATE AND MOUNTING POST FOR APPROVAL.			F
CRBG1	WALL MOUNTED ACCESS CONTROL CARD READER CABLED TO THE BG1 ACCESS CONTROL PANEL LOCATED IN THE ADMIN BUILDING ON LEVEL 1 ADJACENT THE EXISTING SECURITY EQUIPMENT TO ALLOW THE ACCESS CONTROL SYSTEM TO CONTROL BG1. MOUNT THE CARD READER ON THE SAME CUSTOM MOUNTING PLATE THAT ALSO MOUNTS MKPG3.	NA	INNER RANGE SIFER RS-485	F
MKVG1A	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG1A TO THE VG1A ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED.			F
MKVG1B	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG1B TO THE VG1B ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED.			F
MKVG4A	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG4A TO THE VG4A ACCESS CONTROL PANEL LOCATED ADJACENT CR-C TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED.			F
MKVG4B	WALL MOUNTED MANUAL WEATHER PROOF BRASS KEY DL259A (OPEN -AUTO-CLOSED) SELECTOR SWITCH. CONNECT THE MKVG4B TO THE VG4B ACCESS CONTROL PANEL LOCATED ADJACENT CR-C TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED.			F
PBBG1	POST MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBBG1 TO THE BG1 ACCESS CONTROL PANEL LOCATED IN THE ADMIN BUILDING ON LEVEL 1 ADJACENT THE EXISTING SECURITY EQUIPMENT TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE KEY AND OR CONTROL THE GATE WHEN THE KEY IS USED. PROVIDE THE POST AS 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL.			F
PBPG3	POST MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBPG3 TO THE PG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE PB AND OR CONTROL THE GATE WHEN THE PB IS USED. MOUNT THE PB ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL.			F
PBPG6	POST MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBPG6 TO THE PG6 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE PB AND OR CONTROL THE GATE WHEN THE PB IS USED. MOUNT THE PB ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL.			F



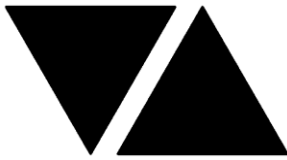
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MHPG1	POST MOUNTED MAGNETIC HOLDER CONNECT THE MHPG1 TO THE PG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO CONTROL THE MAGNETIC HOLDER. MOUNT THE MH ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL. PROVIDE THE NECESSARY MH POWER SUPPLY.	BLACK	FLAME STOP PDH-WM	F
MHPG4	POST MOUNTED MAGNETIC HOLDER CONNECT THE MHPG4 TO THE PG4 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO CONTROL THE MAGNETIC HOLDER. MOUNT THE MH ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL. PROVIDE THE NECESSARY MH POWER SUPPLY.	BLACK	FLAME STOP PDH-WM	F
MHPG6	POST MOUNTED MAGNETIC HOLDER CONNECT THE MHPG6 TO THE PG6 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO CONTROL THE MAGNETIC HOLDER. MOUNT THE MH ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL. PROVIDE THE NECESSARY MH POWER SUPPLY.	BLACK	FLAME STOP PDH-WM	F
MHPG5	WALL MOUNTED MAGNETIC HOLDER CONNECT THE MHPG5 TO THE PG5 ACCESS CONTROL PANEL LOCATED ADJACENT CR-C TO ALLOW THE ACCESS CONTROL SYSTEM TO CONTROL THE MAGNETIC HOLDER.	BLACK	FLAME STOP PDH-WM	F
PBPG1	WALL MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBPG1 TO THE PG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE PB AND OR CONTROL THE GATE WHEN THE PB IS USED.			F
PBPG4	WALL MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBPG4 TO THE PG4 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE PB AND OR CONTROL THE GATE WHEN THE PB IS USED.			F
PBPG5	WALL MOUNTED MANUAL WEATHER PROOF STAINLESS STEEL MOMENTARY PUSH BUTTON C/W BLACK ENGRAVING "PUSH TO EXIT" CONNECT THE PBPG5 TO THE PG5 ACCESS CONTROL PANEL LOCATED ADJACENT CR-C TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE PB AND OR CONTROL THE GATE WHEN THE PB IS USED.			F



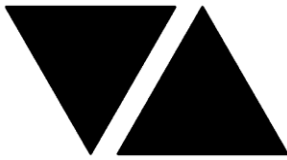
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**C2642a-0002(H).xls**

**ELECTRICAL EQUIPMENT SCHEDULE**

**REVISION H - 25 NOVEMBER 2024**

TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
CRPG6	POST MOUNTED CARD READER. CONNECT THE CRPG6 TO THE PG6 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF PG6. MOUNT THE CR ON A 100 X 100 416 STAINLESS STEEL POWDER COATED POST C/W A WELDED CAP THAT IS GROUND SMOOTH TO APPEAR PART OF THE POST. MOUNT THE POST INTO A REINFORCED CONCRETE FOOTING. PROVIDE A SHOP DRAWING OF THE MOUNTING POST FOR APPROVAL.	BLACK	INNER RANGE SIFER RS-485	F
CRPG1	WALL MOUNTED CARD READER. CONNECT THE CRPG1 TO THE PG1 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-A TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF PG1.	NA	INNER RANGE SIFER RS-485	F
CRPG4	WALL MOUNTED CARD READER. CONNECT THE CRPG4 TO THE PG4 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-B TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF PG4.	NA	INNER RANGE SIFER RS-485	F
CRPG5	WALL MOUNTED CARD READER. CONNECT THE CRPG5 TO THE PG5 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-C TO ALLOW THE ACCESS CONTROL SYSTEM CONTROL OF PG5.	NA	INNER RANGE SIFER RS-485	F
ESPG1	EXTERNAL GATE ELECTRIC STRIKE PROVIDED AS PART OF THE GATE. CABLE THE ESPG1 TO THE PG1 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-A VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE ES AND OR CONTROL THE GATE.			F
ESPG4	EXTERNAL GATE ELECTRIC STRIKE PROVIDED AS PART OF THE GATE. CABLE THE ESPG4 TO THE PG4 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-B VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE ES AND OR CONTROL THE GATE.			F
ESPG5	EXTERNAL GATE ELECTRIC STRIKE PROVIDED AS PART OF THE GATE. CABLE THE ESPG5 TO THE PG5 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-C VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE ES AND OR CONTROL THE GATE.			F
ESPG6	EXTERNAL GATE ELECTRIC STRIKE PROVIDED AS PART OF THE GATE. CABLE THE ESPG6 TO THE PG6 ACCESS CONTROL PANEL. LOCATED ADJACENT CR-A VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE ES AND OR CONTROL THE GATE.			F



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: [www.edg.net.au](http://www.edg.net.au) Email: [brisbane@edg.net.au](mailto:brisbane@edg.net.au)

C2642a - ORMISTON COLLEGE - FENCING MASTERPLAN

C2642a-0002(H).xls

## ELECTRICAL EQUIPMENT SCHEDULE

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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
VG1 INDUCTIVE LOOP	PROVIDE A INGROUND INDUCTIVE LOOP FOR THE VG1 EXIT CONNECTED TO THE VG1 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE INDUCTIVE LOOP AND OR CONTROL THE GATE.			F
VG2 INDUCTIVE LOOP	PROVIDE A INGROUND INDUCTIVE LOOP FOR THE VG2 EXIT CONNECTED TO THE VG2 ACCESS CONTROL PANEL LOCATED ADJACENT CR-A VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE INDUCTIVE LOOP AND OR CONTROL THE GATE.			F
VG3 INDUCTIVE LOOP	PROVIDE A INGROUND INDUCTIVE LOOP FOR THE VG3 EXIT CONNECTED TO THE VG3 ACCESS CONTROL PANEL LOCATED ADJACENT CR-B VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE INDUCTIVE LOOP AND OR CONTROL THE GATE.			F
VG4A INDUCTIVE LOOP	PROVIDE A INGROUND INDUCTIVE LOOP FOR THE VG4A EXIT CONNECTED TO THE VG4A ACCESS CONTROL PANEL LOCATED ADJACENT CR-C VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE INDUCTIVE LOOP AND OR CONTROL THE GATE.			F
VG4B INDUCTIVE LOOP	PROVIDE A INGROUND INDUCTIVE LOOP FOR THE VG4B EXIT CONNECTED TO THE VG4B ACCESS CONTROL PANEL LOCATED ADJACENT CR-C VIA CONCEALED CABLING TO ALLOW THE ACCESS CONTROL SYSTEM TO OVERRIDE THE INDUCTIVE LOOP AND OR CONTROL THE GATE.			F
LPRVG1	NO LONGER REQUIRED			G
LPRVG2	NO LONGER REQUIRED			G
LPRVG3	NO LONGER REQUIRED			G
LPRVG4	NO LONGER REQUIRED			G
FOB	PROVIDE VG4B WITH A WIRELESS REMOTE READER CONNECTED TO THE VG4B ACCESS CONTROL PANEL LOCATED ADJACENT CR-C VIA CONCEALED CABLING TO ALLOW A WIRELESS REMOTE TO OPEN VG4B VIA THE ACCESS CONTROL SYSTEM. PROVIDE FOUR WIRELESS REMOTES.			F
COMMUNICATIONS PIT 1	PROVIDE COMMUNICATION PIT 1 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS". CONNECT THE COMMUNICATIONS PIT 1 TO THE COMMUNICATIONS PIT 2 WITH A 50 DIA COMMUNICATIONS CONDUIT.			F
COMMUNICATIONS PIT 2	PROVIDE COMMUNICATION PIT 2 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS". CONNECT THE COMMUNICATIONS PIT 1 TO THE POWER PIT 1 WITH A 50 DIA COMMUNICATIONS CONDUIT. CONNECT COMMUNICATIONS PIT 1 TO THE REAR OF THE ROOM HOUSING CR-A WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL.			F
COMMUNICATIONS PIT 3	PROVIDE COMMUNICATION PIT 3 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS". CONNECT THE COMMUNICATIONS PIT 3 TO THE COMMUNICATIONS PIT 2 WITH A 50 DIA COMMUNICATIONS CONDUIT.			F





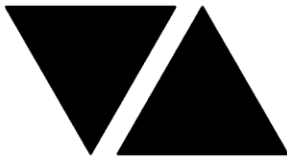
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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
COMMUNICATIONS PIT 4	PROVIDE COMMUNICATION PIT 4 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS" . CONNECT THE COMMUNICATIONS PIT 4 TO THE COMMUNICATIONS PIT 3 WITH A 50 DIA COMMUNICATIONS CONDUIT.			F
COMMUNICATIONS PIT 5	PROVIDE COMMUNICATION PIT 5 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS" . CONNECT THE COMMUNICATIONS PIT 5 TO THE EXISTING COMMUNICATIONS PIT 6 WITH A 50 DIA COMMUNICATIONS CONDUIT.			F
COMMUNICATIONS PIT 6	EXISTING COMMUNICATION PIT 6 TO BE CONNECTED TO THE REAR OF THE ROOM HOUSING CR-B WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL.			F
COMMUNICATIONS PIT 7	EXISTING COMMUNICATIONS PIT 7.			F
COMMUNICATIONS PIT 8	PROVIDE COMMUNICATION PIT 8 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMS" . CONNECT THE COMMUNICATIONS PIT 8 TO THE EXISTING COMMUNICATIONS PIT 7 WITH A 50 DIA COMMUNICATIONS CONDUIT.			F
COMMUNICATIONS PIT 9	PROVIDE COMMUNICATIONS PIT 9 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "COMMUNICATIONS". CONNECT THE COMMUNICATIONS PIT 9 TO THE REAR OF THE ROOM HOUSING DB-C WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL. CONNECT POWER PIT 9 TO COMMUNICATIONS PIT 10 WITH A 50 DIA COMMUNICATIONS CONDUIT.			H
COMMUNICATIONS PIT 10	PROVIDE POWER PIT 10 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER".			H
POWER PIT 1	PROVIDE POWER PIT 1 AS A NEW ACOCABLE MATE TYPE 2 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER" . CONNECT POWER PIT 1 TO POWER PIT 2 WITH 2 x 50 DIA POWER CONDUITS.			H
POWER PIT 2	PROVIDE POWER PIT 2 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER". LOCATE EXTEND AND CONNECT THE TWO 100 DIA EXISTING UNDERGROUND POWER CONDUITS (OLD CONSUMERS MAINS CONDUITS NOW SPARE) FROM BUILDING 56 TO THE POWER PIT 2. CONNECT POWER PIT 2 TO THE REAR OF THE ROOM HOUSING DB-A WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL.			F
POWER PIT 3	PROVIDE POWER PIT 3 AS A NEW ACOCABLE MATE TYPE 2 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER" . CONNECT POWER PIT 3 TO POWER PIT 2 WITH 2 X 50 DIA POWER CONDUITS.			H
POWER PIT 4	PROVIDE POWER PIT 4 AS A NEW ACOCABLE MATE TYPE 2 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER" . CONNECT POWER PIT 4 TO POWER PIT 3 WITH 2 X 50 DIA POWER CONDUITS.			H



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TYPE	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
POWER PIT 5	PROVIDE POWER PIT 5 AS A NEW ACOCABLE MATE TYPE 2 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER" CONNECT POWER PIT 5 TO POWER PIT 6 WITH 2 X 50 DIA POWER CONDUITS.			H
POWER PIT 6	EXISTING POWER PIT 6 TO BE CONNECTED TO THE REAR OF THE ROOM HOUSING DB-B WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL.			F
POWER PIT 7	EXISTING POWER PIT 7			F
POWER PIT 8	PROVIDE POWER PIT 8 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER". CONNECT POWER PIT 8 TO POWER PIT 7 WITH 2 X 50 DIA POWER CONDUITS.			H
POWER PIT 9	PROVIDE POWER PIT 9 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER". CONNECT THE POWER PIT 9 TO THE REAR OF THE ROOM HOUSING DB-C WITH TWO 50 DIA CONDUITS TURNED UP 100MM ABOVE THE ENCLOSURE FLOOR AGAINST THE REAR WALL. CONNECT POWER PIT 9 TO POWER PIT 10 WITH 2 X 50 DIA POWER CONDUITS.			H
POWER PIT 10	PROVIDE POWER PIT 10 AS A NEW ACOCABLE MATE TYPE 3 PLASTIC PIT C/W RISER AND A CLASS B STEEL LID LABELLED "POWER".			H
WEATHERPROOF POWER OUTLET (WP)	IP54 WEATHERPROOF SINGLE / DOUBLE POWER OUTLET AS NOTED ON DRAWING C/W COVER FLAP OVER SOCKET. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	-	CLIPSAL WSCF227F	F
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 2000 SERIES	F
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 2000 SERIES	F