



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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Website: www.edg.net.au Email: brisbane@edg.net.au

C3232a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, MIDDLE SCHOOL CHA10

C3232a-0002(E).xls

ELECTRICAL EQUIPMENT SCHEDULE

REVISION E - 15 APRIL 2025

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	10W 4000K LED	51 DIA 45 DEG SURFACE TUBE LIGHT CUSTOM LENGTH SUCH THAT THE UNDERSIDE OF THE FITTING IS LEVEL WITH THE ADJACENT ACOUSTIC PANEL. REMOTE DRIVER LOCATED IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS. IT IS ACCEPTABLE TO SUPPLY MULTIPLE L1 FITTINGS FROM A SINGLE DRIVER IF IT IS APPROPRIATELY SIZED.	BLACK	LUMEN 8 SOLIS ROLL+ SOROSU10930TR	C
L2	4000K LED 17.2W/M IP20 24V DC LED STRIP	ROD SUSPENDED EXTRUSION LEVEL WITH THE UNDERSIDE OF THE SUSPENDED ACOUSTIC PANELS. THE SECOND NUMBER REPRESENTS THE LENGTH. PROVIDE THE EXTRUSION WITH AN OPAL DIFFUSER AND ALL NECESSARY ACCESSORIES. PROVIDE A DRIVER IN A REMOTE CONCEALED POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. IT IS ACCEPTABLE TO SUPPLY MULTIPLE L2 FITTINGS FROM A SINGLE DRIVER IF IT IS APPROPRIATELY SIZED.	BLACK EXTRUSION AND SUSPENSION	M-ELEC ML-ALUSUS- K-V3 + ML-VL-17.2- .NW	A
L3	4000K LED 17.2W/M IP20 24V DC LED STRIP	ROD SUSPENDED 1000 LONG EXTRUSION LEVEL WITH THE UNDERSIDE OF THE SUSPENDED ACOUSTIC PANELS. PROVIDE THE EXTRUSION WITH AN OPAL DIFFUSER AND ALL NECESSARY ACCESSORIES. PROVIDE A DRIVER IN A REMOTE CONCEALED POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. IT IS ACCEPTABLE TO SUPPLY MULTIPLE L3 FITTINGS FROM A SINGLE DRIVER IF IT IS APPROPRIATELY SIZED.	WHITE EXTRUSION AND SUSPENSION	M-ELEC ML-ALUSUS- K-V3 + ML-VL-17.2- .NW	C
L4	4000K LED 17.2W/M IP20 24V DC LED STRIP	ROD SUSPENDED 1000 LONG EXTRUSION LEVEL WITH THE UNDERSIDE OF THE SUSPENDED ACOUSTIC PANELS. PROVIDE THE EXTRUSION WITH AN OPAL DIFFUSER AND ALL NECESSARY ACCESSORIES. PROVIDE A DRIVER IN A REMOTE CONCEALED POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. IT IS ACCEPTABLE TO SUPPLY MULTIPLE L3 FITTINGS FROM A SINGLE DRIVER IF IT IS APPROPRIATELY SIZED.	WHITE EXTRUSION AND SUSPENSION	M-ELEC ML-ALUSUS- K-V3 + ML-VL-17.2- .NW	A
L5	4000K LED 17.2W/M IP20 24V DC LED STRIP	ROD SUSPENDED 2400 LONG EXTRUSION FIXED FLUSH WITH THE UNDERSIDE OF THE SUSPENDED ACOUSTIC PANEL. PROVIDE THE EXTRUSION WITH AN OPAL DIFFUSER AND ALL NECESSARY ACCESSORIES. PROVIDE A DRIVER IN A REMOTE CONCEALED POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. IT IS ACCEPTABLE TO SUPPLY MULTIPLE L5 FITTINGS FROM A SINGLE DRIVER IF IT IS APPROPRIATELY SIZED.	BLACK EXTRUSION	M-ELEC ML-ALU2-K- V3 + ML-VL-17.2-.NW	D
L6	8W 4000K LED	RECESSED 40 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER RECE4SS THE DOWNLIGHT INTO THE SUSPENDED ACOUSTIC PANEL AND PROVIDE A STRUCTURAL BACKING PLATE ABOVE THE ACOUSTIC PANEL TO SUPPORT THE L6 FITTING.	BLACK TRIM	GAMMA ILLUMINATION RHO 1001-4K-8W	A



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L7	4000K LED 9.6W/M IP65 24V DC LED STRIP	SURFACE MOUNTED 5000 LONG EXTRUSION MOUNTED TO THE UNDERSIDE OF THE STRUCTURAL BEAM VIA CONCEALED MARINE GRADE STAINLESS FIXINGS. PROVIDE THE EXTRUSION WITH AN OPAL DIFFUSER AND ALL NECESSARY ACCESSORIES. PROVIDE A DRIVER IN A REMOTE CONCEALED POSITION NOTED ON THE AS CONSTRUCTED DRAWINGS. ENSURE ALL CABLING AND CONDUITS ASSOCIATED WITH THE L7 FITTINGS IS CONCEALED WITHIN THE STRUCTURE.	POWDER COAT THE EXTRUSION TO MATCH THE SUPPORTING STRUCTURE	M-ELEC ML-ALUSUS-K-V3 + ML-VLWP-9.6-NW	A
L8	28W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A SURFACE MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 600X600 88 SERIES 28W C/W SCREW FREE SURFACE KIT	A
L9	34W 4000K LED	300 X 1200 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER AND SURFACE MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION AXIS 1549-4K-34W C/W SCREW FREE SURFACE KIT	A
L10	28W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DALI DIMMABLE DRIVER MOUNTED IN A SURFACE MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 600X600 88 SERIES 28W C/W SCREW FREE SURFACE KIT	A
L11	13W 4000K LED	RECESSED DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE	GAMMA ILLUMINATION CORBEL 1410-4K-13W	A
L12	28W 4000K LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A PLASTER BOARD RECESS KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 600X600 88 SERIES 28W C/W PB RECESS KIT	A
L13	13W 4000K LED	RECESSED 40 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION CORBEL 1410-4K-13W	A
L14	8W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-4K-8W	A
L15	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
L16	20LED 4000K	600 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR	LIGHT GREY	GAMMA STORM 1557-CCT-20W-MS	A



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L17	13W 3000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	A
L18	28W 4000K LED	SURFACE MOUNTED 109 DEG BEAM BUNKER C/W INTEGRAL DRIVER	BLACK TRIM	GAMMA ILLUMINATION MAXIMUS 1355-4K-28W	E
L19	RED LED	SURFACE MOUNTED DARK ROOM SAFE LIGHT	BLACK BASE RED DIFFUSER	PHOTO RESOURCE DRSLREDLED	A
L20	RED LED	WALL MOUNTED AT HIGH LEVEL DARK ROOM SAFE LIGHT	BLACK BASE RED DIFFUSER	PHOTO RESOURCE PTP760AULED	A
L21	36W LED 4000K	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR	LIGHT GREY	GAMMA STORM 1558-CCT-36W	A
L22	42W 4000K LED PER FITTING	6M TAPERED GALVANIZED POLE C/W A CROSS ARM SUPPORTING TWO ADJUSTABLE 23DE G IP65 FITTINGS INCORPORATING INTEGRAL DRIVERS	GALVANIZED POLE SILVER FITTINGS	TWO X GAMMA ILLUMINATION LUMINA 1054-SP-4K-42W	A
L23	60W 4000K LED	WALL MOUNTED AT RL 28. 200 ADJUSTABLE IP65 55 DEG FLOOD C/W INTEGRAL DRIVER	SILVER	GAMMA ILLUMINATION ALTUS 1342-4K	A
L24	880LM /M 3000K 24V LED	LED STRIP LIGHT IN A SCREW FIXED EXTRUSION C/W OPAL DIFFUSER MOUNTED IN THE JOINERY AS PER THE ARCHITECTURAL DETAIL. PROVIDE A REMOTE POWER SUPPLY LOCATED IN A CONCEALED ACCESSIBLE POSITION NOTED ON THE AS CONSTRUCTED DOCUMENTS.	NATURAL	MELEC ML-ALU-1407-2M - ML-VLCRI-14.4-WW	E
L25	4000K LED 17.2W/M 24V DC LED STRIP	50MM WIDE RECESSED ALUMINIUM EXTRUSION C/W OPAL DIFFUSER CEILING TRIMS AND A REMOTE DRIVER ENSURE THE DIFFUSER HAS AN UNIFORM APPEARANCE. PROVIDE ADDITIONAL FIXINGS / BRACING WITHIN THE CEILING TO ENSURE THE TWO SIDES OF THE CEILING AS FLUSH / LEVEL WITH EACH OTHER AND THE FITTING	WHITE	FITTING SELECTION BY CONTRACTOR. SUBMIT DETAILS FOR APPROVAL	E
L26	8W 3000K LED	RECESSED ADJUSTABLE DOWNLIGHT C/W REMOTE DRIVER	BLACK	EQUAL TO GAMMA ILLUMINATION MYLO 1004-FL-3K-8W	E
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE SF1LEDP	A



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E2	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT MOUNT THE E2 FITTING IN A CUSTOM SURFACE MOUNTED CAN SUCH THAT THE CAN IS LEVEL WITH THE UNDERSIDE OF THE ADJACENT SUSPENDED ACOUSTIC PANEL.	WHITE FITTING AND MOUNTING CAN	STANILITE SF1LEDP PLUS CUSTOM MOUNTING CAN	A
E3	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40. MOUNT THE E3 FITTING IN THE SUSPENDED ACOUSTIC PANEL AND PROVIDE A STRUCTURAL BACKING ABOVE THE ACOUSTIC PANEL	WHITE	STANILITE SF1LEDP	A
E4	LED	EMERGENCY LIGHT: SURFACE MOUNTED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE ECOSPITFIREBOX	A
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. 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-D8 - C90-E3.2.	WHITE	STANILITE PQFLEDP	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 NOTES FOR FURTHER DETAILS OF THE CONFIGURATION AND SWITCHING OF EMERGENCY LIGHTS.			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
ROTARY DALI LIGHT SWITCH		ROTARY STANDALONE DALI DIMMER /LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES C/W SMARTSCAPE AUTOMATION DALI-RD20-M	A



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SWITCH PANEL SPG		GROUND LEVEL MULTIGANG SWITCH PANEL WITH A SEPARATE ADJUSTABLE RUN ON PUSH BUTTONS FOR EACH GROUP OF LIGHTS NOMINATED WITH SP CONTROL. PROVIDE THE RUN ON TIMERS EACH WITH AN ADJUSTMENT RANGE OF 30 MINUTES TO 12 HOURS. PROVIDE THE SWITCH PANEL WITH ENGRAVED LABELLING INDICATING THE USE OF EACH PUSH BUTTON. MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES 30USM	A
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
EMERGENCY SHUT OFF (ESOx)		EMERGENCY SHUT OFF. STAINLESS STEEL FACE PLATE WITH A RED LOCKING MUSHROOM PUSH BUTTON MOUNTED AT 1800 AFFL, TO OPERATE THE EMERGENCY SHUTDOWN. ENGRAVE THE SWITCH FACE PLATE AS PER THE ESO DETAIL CONFIRM THE LOCATION OF THE ESOs ON SITE CAN NOT BE BUMPED DURING NORMAL OPERATION. CONFIGURE THE ESOs IN SERIES TO ISOLATE THE POWER WITHIN THE ASSOCIATED ROOMS. REFER TO THE DISTRIBUTION BOARD SCHEDULE FOR DETAILS OF WHICH CIRCUITS ARE CONTROLLED BY WHICH ESO	STAINLESS STEEL C/W BLACK AND RED ENGRAVING	-	A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES	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	CLIPSAL C2000 SERIES	A
SINGLE 10A POWER OUTLET SUSPENDED (SUS)		DOUBLE 10A POWER OUTLET SUSPENDED TO 1600 AFFL UNLESS NOTED OTHERWISE VIA A 3MM STAINLESS STEEL WIRE ROPE.	WHITE	CLIPSAL SS15	C
SINGLE POWER OUTLET (GC)		GAS CONTROL SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND. COORDINATE THE POSITION OF THE GC OUTLET ON SITE WITH THE GAS CONTROL SYSTEM INSTALLER.	WHITE	CLIPSAL C2000 SERIES	C
DRINK FOUNTAIN OUTLET (DF)		IP54 WEATHERPROOF SINGLE 10 AMP POWER OUTLET C/W COVER FLAP OVER SOCKET MOUNTED WITHIN THE DRINK FOUNTAIN HOUSING.	-	CLIPSAL WSCF227F	A



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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
IP56 WEATHERPROOF POWER OUTLET (WP)		IP56 WEATHERPROOF SINGLE / DOUBLE POWER OUTLET AS NOTED ON DRAWING. MOUNT AT MINIMUM 1100mm AFFL U.N.O. RATING 10A U.N.O.	-	CLIPSAL "56 SERIES"	A
RECESS KIT (RK)		VERTICALLY ORIENTATED WALL BOX TO ALLOW THE OUTLET TO BE RECESSED WITHIN THE WALL CAVITY	WHITE	REPELEC RECWP1WH	A
SPECIAL PURPOSE POWER OUTLET		SPECIAL PURPOSE POWER OUTLET. MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O. SIZE AND TYPE AS NOTED	-	-	A
HAND DRYER CONNECTION (HD)		THE ELECTRICAL SUB CONTRACTOR IS TO TAKE POSSESSION OF THE HAND DRYER AND INSTALL IT WITH 20A ISOLATING SWITCH WALL MOUNTED CONNECTED TO THE HAND DRYER UNIT AS PER DETAIL. PROVIDE CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND	WHITE	CLIPSAL "C2000 SERIES"	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. "RSD" DENOTES ROLLER SHUTTER DOOR SUPPLY - COORDINATE LOCATION ONSITE WITH MOTOR.	-	CLIPSAL WHT35	A
MSB		EXISTING MAIN SWITCHBOARD TO BE REPLACED AS PER THE POWER SCHEMATIC AND ASSOCIATED NOTES.			D
DB-10		DISTRIBUTION BOARD DB-10. PROVIDE A NEW DISTRIBUTION BOARD DB-10 AS PER THE DB-10 SCHEDULE, POWER SCHEMATICS AND NOTES. PROVIDE A SHOP DRAWING THE ESCUTCHEON IS TO BE HINGED AND SECURED VIA 1/4 TURN LATCHES. ENSURE THE ESCUTCHEON CAN BE OPENED WITHOUT ISOLATING THE POWER. DB-10 IS TO CONTAIN THE BUILDING CHA10 SOLAR PV SYSTEM NETWORK PROTECTION EQUIPMENT.			D
DB-10P		PROVIDE A NEW DISTRIBUTION BOARD DB-10P AS PER THE DB-10P SCHEDULE, POWER SCHEMATICS AND NOTES. PROVIDE A SHOP DRAWING THE ESCUTCHEON IS TO BE HINGED AND SECURED VIA 1/4 TURN LATCHES. ENSURE THE ESCUTCHEON CAN BE OPENED WITHOUT ISOLATING THE POWER.			A
DB-10L		PROVIDE A NEW DISTRIBUTION BOARD DB-10L AS PER THE DB-10L SCHEDULE, POWER SCHEMATICS AND NOTES. PROVIDE A SHOP DRAWING THE ESCUTCHEON IS TO BE HINGED AND SECURED VIA 1/4 TURN LATCHES. ENSURE THE ESCUTCHEON CAN BE OPENED WITHOUT ISOLATING THE POWER.			A
MSSB-10		NEW MSSB PROVIDED AS PART OF THE MECHANICAL SERVICES SUB CONTRACT. PROVIDE A MCCB IN THE MSB AND SUBMAIN AS PER THE POWER SCHEMATIC TO SUPPLY THE MSSB10.			A

C3232a-0002(E).xls

Pages inc. any attach. 6 of 8



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M		SUPPLY AUTHORITY CODE COMPLIANT LV MAXIMUM DEMAND TARIFF METER. TO REMAIN AS IS			A
M1		EXISTING FAULTY PRIVATE MULTI FUNCTION METER TO BE REPAIRED AND MADE OPERATIONAL			A
CABLE TRAYS		PROVIDE THE CABLE TRAYS WITH A REMOVABLE COLOUR BOND HAT SECTION COVER			A
SECURITY EQUIPMENT		SECURITY EQUIPMENT TO BE PROVIDED BY THE SCHOOL			A
COMMUNICATIONS RACK CR-4		EXISTING COMMUNICATIONS RACK TO BE USED TO ACCOMMODATE THE NEW FIBRE CABLE. UPGRADE THE FIBRE AS REQUIRED.			C
COMMUNICATIONS RACK CR-10		PROVIDE CR-10 AS A FREE STANDING 41 RU MINIMUM 800 DEEP COMMUNICATIONS CONNECTED TO CR-1 VIA AN UNDERGROUND LOOSE TUBE GEL FILLED 12 CORE OS2 OPTICAL FIBRE CABLES FULLY TERMINATED WITH SC CONNECTORS. PROVIDE CR-7 WITH ALL NECESSARY PATCH PANELS TO ACCOMMODATE THE COMMUNICATIONS OUTLETS.			A
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO A CAT 6 PATCH PANEL IN COMMUNICATIONS RACK AS PER THE COMMUNICATIONS ZONE PLAN 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	WHITE	CLIPSAL C2000 SERIES	A
CABLE ACCESS (A1)		NO LONGER REQUIRED			C
CABLE ACCESS (A2)		NO LONGER REQUIRED			C
CABLE ACCESS (A3)		NO LONGER REQUIRED			C
CABLE ACCESS (A4)		NO LONGER REQUIRED			C
CABLE ACCESS (A5)		PROVIDE CONTROL CABLING FROM THE FUME CUPBOARD CONTROLLER A5 TO THE ROOF MOUNTED VSD DRIVE A6 AND EXTEND THE CONTROLLER POWER SUPPLY TO THE ROOF MOUNTED VSD DRIVE AS PER THE FUME CUPBOARD SCHEMATIC FOR USE BY THE FUME CUPBOARD SUPPLIER. CONFIRM THE LOCATION OF THE CONTROLLER ON SITE WITH THE FUME CUPBOARD SUPPLIER			B
CABLE ACCESS (A6)		PROVIDE CONTROL CABLING FROM THE FUME CUPBOARD ROOF MOUNTED VSD DRIVE A6 TO THE FUME CUPBOARD CONTROLLER A5 AS PER THE FUME CUPBOARD SCHEMATIC FOR USE BY THE FUME CUPBOARD SUPPLIER. CONFIRM THE LOCATION OF THE VSD ON SITE WITH THE FUME CUPBOARD SUPPLIER			B
PIT 1		EXISTING POWER PIT UNDER THE MAIN SWITCHBOARD TO REMAIN AS IS AND BE UTILISED TO ACCOMMODATE THE NEW SUBMAIN.			A
PIT 2		EXISTING POWER AND COMMUNICATIONS PITS TO REMAIN AS IS AND BE UTILISED TO ACCOMMODATE THE NEW SUBMAIN / FIBRE CABLE.			A

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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
PIT 3		PROVIDE PIT 3 AS A 900 X 900 X 1000 DEEP MIN POWER PIT WITH A CLASS C INFILL LID C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST OR PVC CONCRETE PIT AND RISERS AS REQUIRED. POLLY CRETE / FIBRE PITS ARE NOT ACCEPTABLE. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP / TAG THE POWER PIT LID WITH THE WORD "ELECTRICITY" DRAIN THE PITS TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PITS AND LIDS FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF EACH PIT WITH A 10MM FALL AWAY FROM THE PIT LID. PROVIDE PHOTOS OF THE COMPLETED PITS INSTALLATION SHOWING ALL CONDUITS AND CABLING. MARK UP THE PHOTOS WITH THE SIZE AND DESTINATION OF EACH CONDUIT.			A
PIT 4		PROVIDE PIT 4 AS A 600 X 600 X 700 DEEP MIN COMMUNICATIONS PIT EACH WITH A CLASS C INFILL LID C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST OR PVC CONCRETE PIT AND RISERS AS REQUIRED. POLLY CRETE / FIBRE PITS ARE NOT ACCEPTABLE. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP / TAG THE COMMUNICATIONS PIT LID WITH THE WORD "COMMUNICATIONS" DRAIN THE PITS TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PITS AND LIDS FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF EACH PIT WITH A 10MM FALL AWAY FROM THE PIT LID. PROVIDE PHOTOS OF THE COMPLETED PITS INSTALLATION SHOWING ALL CONDUITS AND CABLING. MARK UP THE PHOTOS WITH THE SIZE AND DESTINATION OF EACH CONDUIT.			A
CONDUIT C1		EXISTING POWER AND COMMUNICATIONS CONDUITS TO REMAIN AS IS AND BE UTILISED TO ACCOMMODATE THE NEW SUBMAINS / FIBRE CABLE.			A
CONDUIT C2		LOCATE AND EXTEND THE EXISTING 6 X 100 DIA POWER CONDUITS UNDERGROUND TO THE POWER PIT 3 AND THE 6 X 50 DIA COMMUNICATIONS CONDUITS UNDERGROUND TO THE COMMUNICATIONS PIT 4. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C3		PROVIDE 6 X 100 DIA POWER CONDUITS UNDERGROUND FROM THE POWER PIT AND 6 X 50 DIA COMMUNICATIONS CONDUITS UNDERGROUND FROM THE COMMUNICATIONS PIT TO A MARKED POSITION 1000MM BEYOND THE HARD SCAPE FOR FUTURE EXTENSION. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. CAP ALL OF THE CONDUITS. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL. LOCATE THE ENDS OF THE CONDUITS ON THE AS BUILD DOCUMENTS DIMENSIONED OFF THE ADJACENT BUILDINGS.			A
PV INVERTER (INV-x)		150KW IP 66 3 PHASE PV INVERTER C/W 5 YEAR REPLACEMENT WARRANTY CONNECTED TO THE PV PANELS. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE DETAILS OF THE PV SYSTEM AND DESIGN FOR APPROVAL. CONNECT THE INVERTER TO THE ENERGEX DENERATION SIGNALLING DEVICE / DEMAND RESPONSE SITE CONTROLLER AS PER THE QECM V4			D
PV SOLAR PANELS		150KW OF PV PANELS C/W GALVANIZED MOUNTING BRACKET. PROVIDE PV PANELS WITH A 10 YEAR PRODUCT WARRANTY AND A 25 YEAR PANEL PERFORMANCE WARRANTY. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS.			A