



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

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

C2439a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, CHA04

C2439a-0002(D).xls

ELECTRICAL EQUIPMENT SCHEDULE

REVISION D - 14 DECEMBER 2022

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/links.html					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	40W 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 C/W SCREW FREE SURFACE KIT	A
L2	20W 4000K LED	600 X 300 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A SURFACE MOUNTING KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 600X300 88 SERIES C/W SCREW FREE SURFACE KIT	A
L3	8W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-4K-8W	A
L4	13W 3000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION RHO 1001-4K-13W	A
L5	13W 3000K LED	RECESSED 40 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION CORBEL 1410-4K-13W	A
L6	13W 3000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	A
L7	60W 4000K LED	WALL MOUNTED ADJUSTABLE IP65 55 DEG FLOOD C/W INTEGRAL DRIVER	SILVER	GAMMA ILLUMINATION ALTUS 1342-4K	A
L8	13W 3000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	A
L9	13W 3000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	A
L10	22W 4000K LED	RECESSED 52 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-22W	A
L11	13W 3000K LED	RECESSED ADJUSTABLE 41 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION CORBEL 1410-4K-13W	A



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L12	EXISTING 4M HIGH POLE LIGHT TO BE RELOCATED AS REQUIRED WITH A NEW FOOTING TO ACCOMMODATE THE NEW BUILDING.				B
Sx	CURVE 1377Lm/Mtr 4000K NATURAL WHITE LED	CUSTOM SURFACE / SUSPENDED 75 X 80 EXTRUSION C/W OPAL DIFFUSER AND INTEGRAL DRIVER. FITTING MADE UP OF BOTH CURVES AND LINEAR SECTIONS AS PER DETAILS ON FEATURE LIGHTING DETAILS DRAWING E09.	AS NOTED	HAWKO 75 CURVE USED FOR BOTH CURVES AND LINEAR SECTIONS	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE UNLESS NOTED AS BLACK (BK)	LEGRAND 659007LI	D
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 UNLESS NOTED AS BLACK (BK)	LEGRAND 659000LI	D
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
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
MANUAL DALI POT (DALI)		DALI POT C/W INTEGRAL 20 DALI DEVICE POWER SUPPLY C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. FACTOR SET POWER ON RETURN TO LAST LEVEL.	WHITE	SMARTSCAPE DALI RD20	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
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



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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
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 PROVIDED WITH A NEW MCCB AS PER THE POWER SCHEMATIC. THE NEW MCCB IS TO MATCH THE EXISTING UPDATE THE LABELLING			A
DB-A		DISTRIBUTION BOARD DB-4 PROVIDE A NEW DISTRIBUTION BOARD DB-4 AS PER THE DB-4 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		NEW MSSB PROVIDED AS PART OF THE MECHANICAL SERVICES SUB CONTRACT. PROVIDE A MCCB IN DB-4 AND SUBMAIN AS PER THE DB-4 SCHEDULE.			A
M		SUPPLY AUTHORITY CODE COMPLIANT LV MAXIMUM DEMAND TARIFF METER. TO REMAIN AS IS			A
M1		PRIVATE METER. TO REMAIN AS IS			A



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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
CAT-6 LINK CABLE OUTLET		RJ45 CAT-6 INTERCONNECTED LINK COMMUNICATIONS OUTLETS, CABLED 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
COMMUNICATIONS RACK CR-1		EXISTING COMMUNICATIONS RACK TO BE USED TO ACCOMMODATE THE NEW FIBRE CABLE. UPGRADE THE FIBRE AS REQUIRED.			A
COMMUNICATIONS RACK CR-2		EXISTING COMMUNICATIONS RACK			A
COMMUNICATIONS RACK CR-3		EXISTING COMMUNICATIONS RACK			A
COMMUNICATIONS RACK CR-4		PROVIDE CR-4 AS A FREE STANDING 41 RU MINIMUM 1000 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-4 WITH ALL NECESSARY PATCH PANELS TO ACCOMMODATE THE COMMUNICATIONS OUTLETS.			C
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)		PROVIDE A1 AS MULTIPLE WALL MOUNTED FACEPLATES POSITIONED AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE OUTLET CONFIGURATION AND CABLING AS PER THE A1 FACEPLATE SCHEMATIC. PROVIDE THE GPO AS A CONVENTIONAL GPO CIRCUITED AS SHOWN AND THE RJ45 OUTLETS AS CONVENTIONAL COMMUNICATIONS OUTLETS CABLED TO THE COMMUNICATIONS RACK.	WHITE	CLIPSAL C2000 SERIES	A



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CABLE ACCESS (A2)		PROVIDE A2 AS MULTIPLE WALL MOUNTED FACEPLATES POSITIONED AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE OUTLET CONFIGURATION AND CABLING AS PER THE A2 FACEPLATE SCHEMATIC. PROVIDE THE GPO AS A CONVENTIONAL GPO CIRCUITED AS SHOWN AND THE RJ45 OUTLETS AS CONVENTIONAL COMMUNICATIONS OUTLETS CABLED TO THE COMMUNICATIONS RACK.	WHITE	CLIPSAL C2000 SERIES	A
CABLE ACCESS (A3)		PROVIDE A3 AS MULTIPLE WALL MOUNTED FACEPLATES POSITIONED AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE OUTLET CONFIGURATION AND CABLING AS PER THE A3 FACEPLATE SCHEMATIC. PROVIDE THE GPO AS A CONVENTIONAL GPO CIRCUITED AS SHOWN	WHITE	CLIPSAL C2000 SERIES	A
CABLE ACCESS (A4)		PROVIDE A4 AS A WALL MOUNTED FACEPLATE POSITIONED AS PER THE ARCHITECTURAL DETAIL. PROVIDE THE OUTLET CONFIGURATION AS PER THE A4 FACEPLATE SCHEMATIC.	WHITE	CLIPSAL C2000 SERIES	A
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
CONDUIT C1		EXISTING POWER AND COMMUNICATIONS CONDUITS TO REMAIN AS IS AND BE UTILISED TO ACCOMMODATE THE NEW SUBMAIN / FIBRE CABLE.			A
CONDUIT C2		PROVIDE 2 X 50 DIA COMMUNICATIONS CONDUITS UNDERGROUND BETWEEN THE EXISTING COMMUNICATIONS PIT AND THE COMMUNICATIONS RISER AND 2 X 100 DIA POWER CONDUITS FROM THE EXISTING POWER PIT TO TURN UP UNDER DB-4. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL. PROVIDE THE CONDUITS WITH SPARE DRAW WIRES.			A