

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

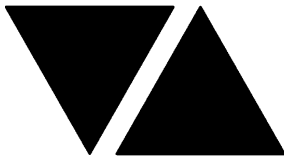
Phone: (07) 3278 4375 Fax: (07) 3716 0222

Web Site: www.edg.net.au Email: brisbane@edg.net.au

C3247a - ACGS - YEAR 7 BOARDING
ELECTRICAL EQUIPMENT SCHEDULE
REVISION B - 10 JULY 2024

C3247a-0002(B).xls

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	13W 3000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-3K-13W	A
L2	2700K LED	LED STRIP WITHIN A FLUSH RECESSED ALUMINIUM EXTRUSION SCREW FIXED IN PLACE UNDER THE JOINERY PELMET TO ILLUMINATE DOWNWARDS AS PER THE ARCHITECTURAL DETAIL PROVIDE EACH L2 WITH A REMOTE DRIVER LOCATED UNDER THE ASSOCIATED BED CONTROLLED BY THE ARCHITRAVE SWITCH PROVIDE AS PART OF OUTLET TYPE A ENSURE THE ELV CABLING IS CONCEALED.	NATURAL	NPA LF-DFA AND PROFILE PR-LINR-1728 C/W PSU AND FL-SR-2302BEA - OPAL DIFFUSER	A
L3	20W 4000K LED	600 LONG SUSPENDED BATTEN C/W INTEGRAL DRIVER MOVEMENT SENSOR	NA	GAMMA ILLUMINATION STORM 1557-CCT-20W	A
L4	2700 K LED	FLUSH RECESSED NIGHT LIGHT CENTRED AT 300 AFFL C/W REMOTE DALI DIMMABLE DRIVER LOCATED UNDER THE POD BED. IT IS ACCEPTABLE TO HAVE MULTIPLE L1 FITTINGS ON A SINGLE DRIVER IF THE 24 VOLT CABLE IS ADEQUATELY SIZED TO ACCOMMODATE THE VOLTAGE DROP.	WHITE	CARIBOU SIERA DALI	A
L5	8W 2700K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-2700K-8W	A
L6	22W 3000K LED	RECESSED 55 DEG BEAM ADJUSTABLE DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION CORBEL 1413-3K-22W	A
L7	36W LED 4000K	1200 LONG SUSPENDED BATTEN C/W INTEGRAL DRIVER MOVEMENT SENSOR	NA	GAMMA STORM 1558-CCT-36W	A
L8	8W 3000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-3K-8W	A
L9	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP UNDER THE OVERHEAD CUPBOARDS HARD AGAINST THE SPLASHBACK AS PER THE ARCHITECTURAL JOINERY DETAILS THE SUPPLIER IS TO CUT / JOIN THE LED STRIPS TO SUIT THE SITE DIMENSIONS. DO NOT CUT THE LED STRIPS ON SITE SCREW FIX THE ALUMINIUM SUPPORT IN PLACE.			NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L10	NOT USED				A



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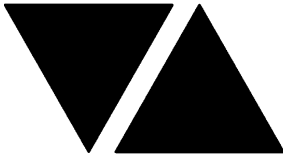
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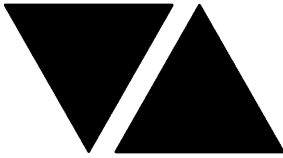
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L11	13W 3000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	BLACK TRIM	GAMMA ILLUMINATION COBALT 1402-3K-13W	A
L12	36W LED 4000K	SURFACE MOUNTED IP66 1200 LONG BATTEN C/W INTEGRAL DRIVER AND AN UNSWITCHED AS2293 NON MAINTAINED EMERGENCY PACK CONFIGURED TO ONLY OPERATE UPON MAINS FAILURE	LIGHT GREY	GAMMA STORM 1558-CCT-36W	B
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE SF1LEDP LITHIUM BATTERY	A
EX	LED	EXIT LIGHT THEATRE MASK: 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. LITHIUM ION BATTERY	GREEN LOGO BLACK BACKGROUND BLACK BODY	CLEVERTRONICS CUBPRO-SM-TH-R	A
SWITCH PANEL (SPx)		MULTIGANG FACEPLATE AS PER THE LIGHTING CONTROL SCHEMATIC MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. BLACK ENGRAVING	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
LIGHTING CONTROL CHANNEL (x)		LIGHTING CHANNEL TO BE CONTROLLED AS PER THE LIGHTING CONTROL SCHEMATIC			A
ONE-WAY SWITCH		ONE-WAY SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	A
TWO-WAY SWITCH		TWO-WAY SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	A
CONTACTOR (Cx)		HEAVY DUTY SWITCHING CONTACTOR			A
RELAY (Rx)		CONTROL RELAY			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 IN THE DB-G / DB-1 ESCUTCHEON. FACTOR SET POWER ON RETURN TO LAST LEVEL.	WHITE	SMARTSCAPE DALI RD20	A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	A



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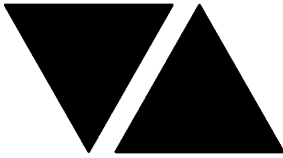
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DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	A
POWER OUTLET TYPE A		DOUBLE POWER OUTLET C/W USB A AND USB C CHARGER , CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT ABOVE BENCH PROVIDE AN ADDITIONAL ARCHITRAVE SWITCH FACEPLATE ADJACENT THE GPO TO CONTROL THE ADJACENT L2 LIGHT. REFER TO THE TYPE A DETAIL.	WHITE	CLIPSAL ICONIC SERIES FACEPLATE	A
POWER OUTLET TYPE B		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED WITHIN THE JOINERY AS PER THE JOINERY DETAIL TO SUPPLY THE FRIDGE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	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
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
CR-D		EXISTING DONALDSON BUILDING COMMUNICATIONS RACK CR-D TO BE RETAINED AND MODIFIED AS NECESSARY TO ACCOMMODATE THE NEW COMMUNICATIONS OUTLETS. REMOVE ALL REDUNDANT UTP CABLING AND PROVIDE NEW CAT 6 PATCH PANELS TO ACCOMMODATE THE NEW CAT 6 OUTLETS AS REQUIRED. ALL EXISTING COMMUNICATIONS OUTLETS OUTSIDE OF THE WORKS AREA ARE TO BE RETAINED AND RECONNECTED AS REQUIRED TO MAINTAIN THERE OPERATION. THE NEW SCHOOL BELL IP /AUDIO DECODER AND AMPLIFIER ARE TO BE MOUNTED WITHIN CR-D.			A
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO NEW CAT 6 PATCH PANELS IN THE ASSOCIATED COMMUNICATIONS RACK 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 FACEPLATE	A
DB-AN		UTILISE THE EXISTING DONALDSON DISTRIBUTION BOARD DB-AN AS PER THE DB-AN SCHEDULE AND NOTES.			A



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DB-A		PROVIDE A NEW DISTRIBUTION BOARD DB-A AS PER THE DB-A SCHEDULE AND NOTES. UTILISE THE EXISTING GERALD DISTRIBUTION BOARD SUBMAIN TO SUPPLY THE NEW DB-A. THE EXISTING GERALD DISTRIBUTION BOARD IS TO BE REMOVED AND ANY REMAINING CIRCUITS ARE TO BE SUPPLIED FROM THE NEW DB-A WITH NEW SWITCHGEAR AND CONTROLS THAT MATCH THE EXISTING IN CAPACITY AND FUNCTION.			A
PA SCHOOL BELL RECESSED SPEAKER		RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE. CONNECT THE SPEAKERS TO THE EXISTING SCHOOL BELL SYSTEM AMPLIFIER LOCATED IN CR-GB	WHITE UNLESS NOTED AS BK (BLACK)	BOSCH F.01U.026.342 - LBC3099/41	A
DONALDSON FIRE INDICATOR PANEL (FIP)		MODIFY THE EXISTING DONALDSON BRIGADE MONITORED FIRE INDICATOR PANEL TO ACCOMMODATE THE NEW DETECTORS AND SPEAKERS WITHIN THE DONALDSON BUILDING.			A
SCHOOL HOUSE FIRE INDICATOR PANEL (FIP)		MODIFY THE EXISTING SCHOOL HOUSE FIRE INDICATOR PANEL TO ACCOMMODATE THE NEW DETECTORS AND SPEAKERS WITHIN THE GERALD BUILDING.			A
SMOKE DETECTOR		SURFACE MOUNTED ADDRESSABLE AS1670.1 COMPLIANT SMOKE DETECTOR WHITE UNLESS NOTED AS BK (BLACK) ENSURE ALL SMOKE DETECTORS ARE PROVIDED AS AS 7240.7 POINT DETECTORS WITH A PERFORMANCE OF 6 TO 12 % OBS/M SET AT 7.8 %			A
CONCEALED SPACE SMOKE DETECTOR		ADDRESSABLE AS1670 COMPLIANT CONCEALED SPACE SMOKE DETECTOR C/W REMOTE INDICATOR AND REMOTE ACCESS BRACKET IF REQUIRED ENSURE ALL SMOKE DETECTORS ARE PROVIDED AS AS 7240.7 POINT DETECTORS WITH A PERFORMANCE OF 6 TO 12 % OBS/M SET AT 7.8 %			A
THERMAL DETECTOR		SURFACE MOUNTED ADDRESSABLE AS1670 COMPLIANT THERMAL DETECTOR WHITE UNLESS NOTED AS BK (BLACK)			A
FIRE ALARM SYSTEM SPEAKER		RECESSED AS1670.1 COMPLIANT RECESSED ALERT AND EVACUATION SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE.	WHITE UNLESS NOTED AS BK (BLACK)	TYPE TO MATCH THE PA BELL SPEAKER IN APPEARANCE	A
FIRE SHUTTER (FS)		NO LONGER REQUIRED			B
FIRE ALARM SYSTEM ACCESS CONTROL INTERFACE		INTERFACE THE FIRE ALARM SYSTEM TO THE SECURITY SYSTEM SUCH THAT UPON ALARM THE DOOR UNLOCKS.			A
SECURITY EQUIPMENT		SECURITY EQUIPMENT TO UTILISE THE EXISTING SECURITY NETWORK CABLING			A
WINDOW MOUNTED EXHAUST FAN		PROVIDE A SINGLE GPO FOR THE WINDOW MOUNTED EXHAUST FAN SUPPLIED OF THE MECHANICAL SERVICES. CONFIRM THE GPO POSITION ON SITE WITH EH MECHANICAL SUB CONTRACTOR.			A



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ACCESS CONTROL DOOR RELEASE PUSH BUTTON (PB)		PROVIDE THE DOOR WITH A FAIL SAFE PUSH BUTTON MOUNTED AT 1000 AFFL TO UNLOCK THE DOOR. PROVIDE BLACK ENGRAVING "PRESS TO UNLOCK. CONNECT THE "PUSH BUTTON TO THE ACCESS CONTROL SYSTEM TO UNLOCK THE ASSOCIATED MAGNETIC HOLDER.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES FACEPLATE	B
ACCESS CONTROL DOOR MAGNETIC HOLDER (MH)		PROVIDE THE DOOR WITH ACCESS CONTROL UTILISING A SURFACE MOUNTED MAGNETIC HOLDER. CONNECT THE MAGNETIC HOLDER TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. ALL CABLING AND CONDUITS ASSOCIATED WITH THE MAGNETIC HOLDER ARE TO BE CONCEALED.			B
ACCESS CONTROL DOOR ELECTRIC STRIKE (ES)		PROVIDE THE DOOR WITH ACCESS CONTROL UTILISING A FLUSH MOUNTED ELECTRIC DOOR STRIKE PLATE. CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. EACH ELECTRIC STRIKE IS TO BE PROVIDED WITH DOOR STATUS REPORTING (DOOR OPEN / DOOR CLOSED) ALL CABLING AND CONDUITS ASSOCIATED WITH THE ELECTRIC STRIKE IS TO BE CONCEALED.			A
ACCESS CONTROL DOOR CARD READER (CR)		WALL-MOUNTED 1000AFFL VANDAL-RESISTANT ACCESS CONTROL SYSTEM HEAVY-DUTY PROXIMITY CARD READER PROVIDE DOOR READERS AND POWER SUPPLIES AS REQUIRED ALL CARD READERS ARE TO MATCH THE EXISTING READERS USED IN THE CENTENARY CENTRE. ALL CABLING AND CONDUITS ASSOCIATED WITH THE CARD READER IS TO BE CONCEALED.			A
SECURITY DOOR REED SWITCH		PROVIDE THE DOOR WITH A CONCEALED DOOR STATUS REED SWITCH CONNECTED TO THE SECURITY SYSTEM AS A DEDICATED ZONE. ALL CABLING AND CONDUITS ASSOCIATED WITH THE REED SWITCH IS TO BE CONCEALED.			A