

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

C2083a - ACGS - VIKING CAFE & PREP SCHOOL GLAS

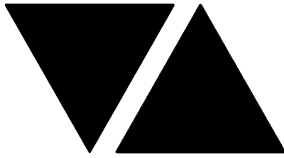
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## ELECTRICAL EQUIPMENT SCHEDULE

REVISION C3 - 01 JULY 2020

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	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 PHANTOM 884501	T1
L2	8W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-WFL-4K-8W	T1
L3	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-22W	T1
L4	13W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	T1
L5	25.5W 4000K LED	SURFACE CAN DOWNLIGHT C/W INTEGRAL DRIVER MOUNT ON THE SUSPENDED PANEL WITHIN THE CEILING SPACE SUCH THAT THE UNDERSIDE OF THE FITTING IS LEVEL WITH THE UNDERSIDE OF THE FEATURE GRID	BLACK TRIM	CARIBOU ROCKET 52 25.5W	T3
L6	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	BLACK	GAMMA ILLUMINATION COBALT 1402-4K-22W	T2
L7	13W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W	T1
L8	4000K LEDS	PROVIDE THE L8 AS A SINGLE RUN OF LED STRIP LIGHTS WITHIN AN ALUMINIUM EXTRUSION SCREW FIXED IN PLACE CENTRALLY WITHIN THE STRUCTURAL CHANNEL AS PER THE ARCHITECTURAL DETAIL TO ILLUMINATE DOWN. PROVIDE A REMOTE DRIVER LOCATED IN AN ACCESSIBLE POSITION. 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 EXTRUSION IN PLACE POWDER COATED BLACK		NEON PRODUCTS AUSTRALIA PR-LINI-1512 WITH BLACK OPAL DIFFUSER + LEDs = LF-DFB-WW-300-12 BW	T2
L9	45W 4000K LED	1200 LONG SURFACE MOUNTED BATTEN C/W INTEGRAL DRIVER AND A MOVEMENT / PE SENSOR.	NA	GAMMA ILLUMINATION STORM 1311-4K C/W SENSOR	T1
L10	25.5W 4000K LED	SURFACE CAN DOWNLIGHT C/W DALI DIMMABLE DRIVER MOUNT ON THE SUSPENDED PANEL WITHIN THE CEILING SPACE SUCH THAT THE UNDERSIDE OF THE FITTING IS LEVEL WITH THE UNDERSIDE OF THE FEATURE GRID	BLACK TRIM	CARIBOU ROCKET 52 25.5W DALI	T3
L11	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-22W DALI	T1



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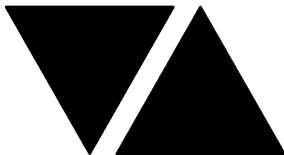
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L12	13W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1402-4K-13W DALI	T1
L13	13W 4000K LED	RECESSED 55 DEG BEAM ADJUSTABLE DOWNLIGHT C/W REMOTE DALI DIMMABLE DRIVER PROVIDE THE FITTING WITH A SURFACE MOUNTED CUSTOM MOUNTING BLOCK 200 X 200 X 75 DEEP.	WHITE TRIM	GAMMA ILLUMINATION SCOOP 1495-VVFL-4K-13W	T3
L14	13W 4000K LED	SURFACE MOUNTED 55 DEG BEAM CAN DOWNLIGHT C/W INTEGRAL DRIVER	WHITE TRIM	GAMMA ILLUMINATION TONDO 1325-4K-13W	T1
L15	40W WHITE LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T-BAR GRID	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 884502-4K C/W	T1
L16	40W WHITE LED	600 X 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN A FLUSH RECESSED PLASTER BOARD KIT	WHITE TRIM	GAMMA ILLUMINATION PHANTOM 884502-4K C/W RECESSED PB KIT PF-6060	T1
L17	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	BLACK TRIM	GAMMA ILLUMINATION COBALT 1442-4K-22W	T1
L18	28W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	BLACK TRIM	GAMMA ILLUMINATION COBALT 1442-4K-28W	T1
L19	28W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1442-4K-28W	T1
L20	22W 4000K LED	RECESSED 55 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER	WHITE TRIM	GAMMA ILLUMINATION COBALT 1442-4K-22W	T1
L21	25.5W 4000K LED	SURFACE CAN DOWNLIGHT C/W INTEGRAL DRIVER	BLACK TRIM	CARIBOU ROCKET 52 25.5W	T3
L22	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 884503 C/W SURFACE MOUNTING KIT	T1
L23	25.5W 4000K LED	SURFACE CAN DOWNLIGHT C/W INTEGRAL DRIVER	BLACK TRIM	CARIBOU ROCKET 52 25.5W	T3



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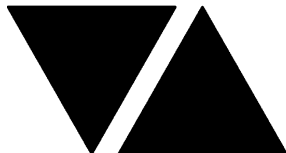
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L24	2 X 13W 4000K LED	WALL MOUNTED IP 54 UP / DOWN LIGHT 55DEG BEAM C/W INTEGRAL NON DIMMABLE DRIVER. CONFIRM THE MOUNTING HEIGHT ON SITE WITH THE ARCHITECT	BLACK	GAMMA SYNCRO 1350-4K-26W	T1
L25	45W 4000K LED	1200 LONG BATTEN C/W INTEGRAL DRIVER. WHERE THE FITTING IS NOTED ON DRAWINGS AS BEING AN EMERGENCY FITTING PROVIDE A NON MAINTAINED AS2293 EMERGENCY PACK.	NA	GAMMA ILLUMINATION STORM 1311-4K	T2
L26	22W 4000K LED	IP54 BOLLARD C/W INTERNAL DRIVER	BLACK	GAMMA ILLUMINATION BOLO 1461-4K-22W	T1
L27	23W 4000K LED	AREA LIGHT MOUNTED ON A 4m HIGH ROUND BLACK POLE PROVIDE A SHOP DRAWING OF THE POLE AND FOOTING FOR APPROVAL AND CERTIFICATION BY A STRUCTURAL ENGINEER OF THE POLE AND FOOTING.	BLACK FITTING AND POLE	GERARD LIGHTING DISANO STELVIO MINI 3278 Fx T3 16 Leds, 530 mA	T1
L28	NO LONGER REQUIRED				T3
L29	45W 4000K LED	REPLACE THE EXISTING FLOOD LIGHT WITH A NEW LED FITTING ON THE SAME CIRCUIT / SWITCH C/W INTEGRAL DRIVER	BLACK	GAMMA ILLUMINATION ALTUS 1341-4K	T1
L30	13W 4000K LED	WALL MOUNTED IP 54 DOWN LIGHT 55DEG BEAM C/W INTEGRAL NON DIMMABLE DRIVER. CONFIRM THE MOUNTING HEIGHT ON SITE WITH THE ARCHITECT	BLACK	GAMMA SYNCRO-D 1351-4K-13W	T1
L31	NO LONGER REQUIRED				T2
L32	45W 4000K LED	1200 LONG BATTEN C/W INTEGRAL DRIVER A NON MAINTAINED AS2293 EMERGENCY PACK AND INTEGRAL OCCUPANT SENSOR / SWITCH	NA	GAMMA ILLUMINATION STORM 1311-4K	T2
L33	13W 4000K LED	RECESSED 47 DEG BEAM DOWNLIGHT C/W REMOTE DRIVER PROVIDE THE FITTING WITH A SURFACE MOUNTED CUSTOM MOUNTING BLOCK 200 X 200 X 50 DEEP.	WHITE TRIM	GAMMA ILLUMINATION MYLO 1004-VWFL-4K-13W	T2
L34	4000K LED	8000 LONG DECORATIVE LINEAR PENDANT C/W REMOTE DRIVER CONFIRM THE SUSPENSION HEIGHT ON SITE WITH THE ARCHITECT ALLOW TO INSTALL.	BLACK	CARIBOU RAZOR MAX 4	T2
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.			T1

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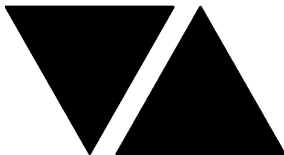
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E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	STANILITE SF1LEDP LITHIUM BATTERY	T1
E2	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	BLACK	STANILITE SF1LEDP LITHIUM BATTERY	T1
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 LOGO GREEN BACKGROUND WHITE BODY UNLESS NOTED AS BK THEN BLACK BODY	CLEVERTRONICS LUBPRO-SM	T1
TA	4000K LED 1500 LUMEN / M	LINEAR OPAL DIFFUSER DOWNWARD ONLY INTEGRAL DRIVER AS PER THE Tx FITTING DETAIL			T1
Tx	AS PER TA	EXTRUDED FITTING AS PER THE Tx DETAILS ALL SUSPENDED FITTINGS ARE TO BE ROD SUSPENDED. THE RECESSED FITTINGS ARE TO BE PROVIDED WITH A TRIM	COLOUR AS NOTED ON Tx DETAILS	CARIBOU RAZOR MAX AS NOTED	T3
SWITCH PANEL (SPx)		MULTIGANG FACEPLATE AS PER THE SPx DETAIL AND SCHEMATIC MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE. BLACK ENGRAVING EACH PUSH BUTTON IS TO BE CONNECTED TO THE BMS SYSTEM VIA AN I/O CONTROLLER LOCATED IN DB-A. REFER TO THE SPECIFICATION FOR ADDITIONAL DETAILS.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES 30USM	T1
LIGHTING CONTROL CHANNEL (x)		LIGHTING CHANNEL CONTROLLED VIA THE BMS SYSTEM VIA AN I/O CONTROLLER LOCATED IN DB-A. REFER TO THE SPECIFICATION FOR ADDITIONAL DETAILS.			T1
SWITCH C/W INTEGRAL INDICATOR (N)		SWITCH MECHANISM C/W INTEGRAL NEON / LED INDICATOR TO BE PERMANENTLY ILLUMINATED			T1
ONE-WAY SWITCH		ONE-WAY SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1100mm AFFL UNLESS NOTED OTHERWISE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES 30USM	T1
TWO-WAY SWITCH		TWO-WAY SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1100mm AFFL UNLESS NOTED OTHERWISE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES 30USM	T1
WEATHERPROOF LIGHT SWITCH (WP)		IP56 ONE-WAY / TWO-WAY AS NOTED ON DRAWING LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1100mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL "56 SERIES"	T1



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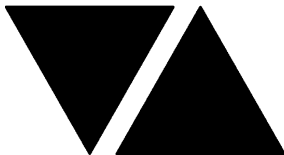
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PUSH BUTTON (PB)		DALI ILLUMINATED PUSH BUTTON MOUNTED INTO THE SP FACEPLATE AS PER THE SP ELEVATION. THE DALI PUSH BUTTONS ARE TO BE CONNECTED TO THE DALI BUS AND VIA THE DALI BUS THE DALI POWER SUPPLY AND DALI CONTROLLER IN THE RESPECTIVE DISTRIBUTION BOARD	WHITE	ZENCONTROL ZC-PBS-2020	C2
DALI POWER SUPPLY		DALI POWER SUPPLY CONNECTED TO THE DALI BUS DIN RAIL MOUNT THE DALI POWER SUPPLY IN THE DB-1 AND DB-D ADJACENT THE BMS CONTROLLER. PROVIDE 240V POWER AS REQUIRED	NA	ZENCONTROL AC-PSU	C2
DALI CONTROLLER		DALI CONTROLLER CONNECTED TO THE DALI BUS DIN RAIL MOUNT THE DALI CONTROLLER IN THE DB-1 AND DB-D ADJACENT THE BMS CONTROLLER. CONNECT TO THE ADJACENT COMMUNICATIONS OUTLET VIA A CAT 6 FLY LEAD	NA	ZEN CONTROL ZC-CONTROLLER	C2
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	T1
PROXIMITY DETECTOR SWITCH (PD) SMALL ROOMS		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 SELECTION BY THE CONTRACTOR SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	T1
PROXIMITY DETECTOR SWITCH (PD) LARGE ROOMS		ADJUSTABLE FLUSH RECESSED 360 DEGREE TRIPLE PYRO 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 SELECTION BY THE CONTRACTOR SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	T1



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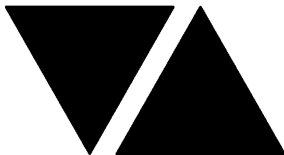
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PROXIMITY DETECTOR SWITCH (PD) AMENITIES WITH CUBICLES		ADJUSTABLE FLUSH RECESSED DUAL TECHNOLOGY 360 DEGREE ULTRASONIC PRESENCE DETECTOR TO OPERATE THE ASSOCIATED LIGHTS FOR A PRE-SET AMOUNT OF TIME. ADJUST THE TIME AND SENSITIVITY ON SITE AS DIRECTED BY THE ENGINEER. SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	WHITE	CLIPSAL SELECTION BY THE CONTRACTOR SUBMIT DETAILS OF THE MOVEMENT DETECTOR SWITCH FOR APPROVAL PRIOR TO ORDERING	T1
BATTERY CLOCK		BATTERY POWERED WALL CLOCK MOUNTED AT 2400mm AFFL C/W THREE-COLOUR SCREEN PRINTED SCHOOL LOGO. THE CONTRACTOR AGREES TO A CREDIT VARIATION OF \$500.00 FOR ANY CLOCK SUPPLIED WITH THE QUEENSLAND GOVERNMENT LOGO	WHITE	ADINA 3039	T1
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	T1
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	T1
DOUBLE POWER OUTLET C/W SWITCH		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O PROVIDE THE OUTLET WITH AN ADDITIONAL SWITCH TO CONTROL THE ADJACENT COOK TOP CIRCUIT. PROVIDE A SECOND FACEPLATE IF REQUIRED.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES	T1
DOUBLE POWER OUTLET (USB)		DOUBLE POWER OUTLET C/W USB CHARGER AND CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES + 30USBCM MECH	T1
WEATHERPROOF POWER OUTLET (WP)		IP54 WEATHERPROOF SINGLE / DOUBLE GPO 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	T1
20A WEATHERPROOF POWER OUTLET (WP 20A)		IP66 WEATHERPROOF 20A SINGLE POWER OUTLET. MOUNT AT MINIMUM 1100mm AFFL U.N.O. RATING 20A U.N.O.	-	CLIPSAL WSF226/20	T1
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	-	-	T1
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	T1



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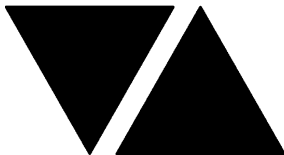
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THREE-PHASE ISOLATOR		THREE-PHASE WEATHERPROOF ISOLATOR. MOUNT AT 1350mm AFFL U.N.O. RATING 20A U.N.O. CONNECT TO EQUIPMENT VIA FLEXIBLE CONDUIT. "RSD" DENOTES ROLLER SHUTTER DOOR SUPPLY - COORDINATE LOCATION ONSITE WITH MOTOR.	-	CLIPSAL WHT35	T1
HAND DRYER CONNECTION (HD)		20A ISOLATING SWITCH WALL MOUNTED AT 2400mm AFFL AND CONNECTED TO THE HAND DRYER UNIT AS PER DETAIL.	WHITE	CLIPSAL C2000 SERIES	T1
ESO		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.	STAINLESS STEEL C/W BLACK AND RED ENGRAVING	-	T1
CR-1		FREE STANDING 42 RU MINIMUM 800 DEEP COMMUNICATIONS RACK CR-1 PROVIDE A SHOP DRAWING OF THE RACK INCLUDING THE ARRANGEMENT OF EQUIPMENT PROVIDED WITHIN IT AS PART OF THE CONTRACT FOR APPROVAL. PROVIDE THE RACK WITH THE REQUIRED CAT 6 PATCH PANELS, CABLE MANAGEMENT, A FIBOT AND AN OPTICAL FIBRE CONNECTIONS AS PER THE SPECIFICATION. PROVIDE THE RACK WITH LEVELLING FEET WITHOUT ANY CASTERS. KEY THE RACK TO THE SCHOOLS EXISTING CL003 RACK KEYING SYSTEM.	BLACK	REDBACK A4.8842D	C2
CR-M		EXISTING MAGNUS SOUTH BUILDING COMMUNICATIONS RACK CR-M LOWER GROUND LEVEL. REMOVE THE EXISTING FIBRE SERVICE TO THE VIKING CAFÉ. PROVIDE A NEW 12 FIBRE CABLE FROM THE NEW VIKING CAFÉ COMMUNICATIONS RACK CR-1 TO CR-M AND UPGRADE / UPDATE THE CR-M FIBOT AND LABELLING AS REQUIRED			T1
CR-G		EXISTING GOODWIN BUILDING COMMUNICATIONS RACK CR-G. PROVIDE A NEW 12 FIBRE CABLE FROM THE NEW PREP BUILDING COMMUNICATIONS RACK CR-D TO CR-C AND UPGRADE / UPDATE THE CR-G FIBOT AND LABELLING AS REQUIRED			T1



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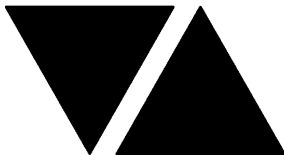
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
CR-D		FREE STANDING 42 RU MINIMUM 800 DEEP COMMUNICATIONS RACK CR-D PROVIDE A SHOP DRAWING OF THE RACK INCLUDING THE ARRANGEMENT OF EQUIPMENT PROVIDED WITHIN IT AS PART OF THE CONTRACT FOR APPROVAL. PROVIDE THE RACK WITH THE REQUIRED CAT 6 PATCH PANELS, CABLE MANAGEMENT, A FIBER OPTIC AND AN OPTICAL FIBRE CONNECTIONS AS PER THE SPECIFICATION. PROVIDE THE RACK WITH LEVELLING FEET WITHOUT ANY CASTERS. KEY THE RACK TO THE SCHOOLS EXISTING CL003 RACK KEYING SYSTEM.	BLACK	REDBACK A4.8842D	C2
COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO NEW CAT 6 PATCH PANELS IN CR-A 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"	T1
RECESS KIT		VERTICALLY ORIENTATED WALL BOX TO ALLOW THE OUTLET TO BE RECESSED WITHIN THE WALL CAVITY	WHITE	REPELEC RECWP1WH	C2
DB-1		PROVIDE A NEW DISTRIBUTION BOARD DB-1 AS PER THE DB-1 SCHEDULE, POWER SCHEMATICS AND THE SPECIFICATION. PROVIDE THE DB WITH BMS CONTROLLERS, RELAYS AND CONTACTORS AS REQUIRED TO ACCOMMODATE THE BMS INPUTS AND OUTPUTS NOMINATED IN THE BMS SCHEDULES. PROVIDE A SHOP DRAWING OF DB-1 FOR APPROVAL.			T1
DB-D		PROVIDE A NEW DISTRIBUTION BOARD DB-D AS PER THE DB-D SCHEDULE, POWER SCHEMATICS AND THE SPECIFICATION. PROVIDE THE DB WITH BMS CONTROLLERS, RELAYS AND CONTACTORS AS REQUIRED TO ACCOMMODATE THE BMS INPUTS AND OUTPUTS NOMINATED IN THE BMS SCHEDULES. PROVIDE A SHOP DRAWING OF DB-D FOR APPROVAL.			T1
DB-K		PROVIDE A NEW DISTRIBUTION BOARD DB-K AS PER THE DB-K SCHEDULE, POWER SCHEMATICS AND THE SPECIFICATION. PROVIDE A SHOP DRAWING OF DB-K FOR APPROVAL.			T1
MDB-C		PROVIDE MDB-C A NEW SWITCHBOARD IN THE CAMPBELL CENTRE AS PER THE POWER SCHEMATICS AND THE SPECIFICATION TO REPLACE THE EXISTING CAMPBELL CENTRE DISTRIBUTION BOARD. MDB-C IS TO INCORPORATE A DISTRIBUTION BOARD DB-C. PROVIDE A SHOP DRAWING OF THE MDB-C FOR APPROVAL.			T1
DB-C		PROVIDE DISTRIBUTION BOARD DB-C AS A NEW 72 POLE 3 PHASE 250AMP DISTRIBUTION BOARD INTEGRAL TO THE NEW MDB-C AS PER THE POWER SCHEMATICS AND THE SPECIFICATION. PROVIDE DB-C WITH AN AS2293 EMERGENCY LIGHT TEST FACILITY. PROVIDE DB-C WITH A 600 X 600 SPARE CUBICAL WITH TWO DIN RAILS TO ACCOMMODATE FUTURE BMS CONTROLLERS, RELAYS AND CONTACTORS. PROVIDE A SHOP DRAWING OF DB-C AS PART OF MDB-C FOR APPROVAL. PROVIDE DB-C WITH NEW SWITCHGEAR AND CONTROLS TO RECONNECT ALL OF THE EXISTING DB-C CIRCUITS TO THE SAME LEVEL OF CAPACITY AND FUNCTION. PROVIDE THE NEW SWITCHGEAR WITH RCD PROTECTION TO THE CURRENT VERSION OF AS3000.			T1



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DB-MC		EXISTING MIDDLE SCHOOL DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-MD		EXISTING MIDDLE SCHOOL DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-MM		EXISTING MIDDLE SCHOOL DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-P1		EXISTING PREP SCHOOL DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-PA		EXISTING PREP SCHOOL DISTRIBUTION BOARD TO BE UPGRADED TO SUPPLY THE EXISTING DISTRIBUTION BOARD DB-PN ON THE LOWER LEVEL. PROVIDE A THREE PHASE CIRCUIT BREAKER SIZED APPROPRIATELY TO SUPPLY DB-PN			T1
DB-PL		EXISTING PREP SCHOOL DISTRIBUTION BOARD TO REMAIN AS IS.			T1
DB-PN		EXISTING PREP SCHOOL DISTRIBUTION BOARD DB-N TO BE DISCONNECTED FROM THE PREP SCHOOL MSB AND RESUPPLIED FORM DB-PA VIA A NEW APPROPRIATELY SIZED SUBMAIN. THE EXISTING SUBMAIN FROM THE MSB-P IS TO BE REMOVED.			T1
DB-PS1		EXISTING PREP SCHOOL DISTRIBUTION BOARD DB-PS1 TO BE UPGRADED TO SUPPLY THE EXISTING ADJACENT DISTRIBUTION BOARD DB-PS2. PROVIDE A THREE PHASE CIRCUIT BREAKER SIZED APPROPRIATELY TO SUPPLY DB-PS2			T1
DB-PS2		EXISTING PREP SCHOOL DISTRIBUTION BOARD DB-PS2 TO BE DISCONNECTED FROM THE PREP SCHOOL MSB AND RESUPPLIED FROM DB-PS1 VIA A NEW APPROPRIATELY SIZED SUBMAIN. THE EXISTING SUBMAIN FROM THE MSB-P IS TO BE REMOVED.			T1
DB-S		PROVIDE DISTRIBUTION BOARD DB-S AS A NEW SWITCHBOARD AS PER THE POWER SCHEMATICS AND THE SPECIFICATION TO REPLACE THE EXISTING SCHOOL HOUSE DISTRIBUTION BOARDS DB-A AND DB-K. PROVIDE DB-S WITH AN AS2293 EMERGENCY LIGHT TEST FACILITY. PROVIDE DB-S WITH A 600 X 600 SPARE CUBICAL WITH TWO DIN RAILS TO ACCOMMODATE FUTURE BMS CONTROLLERS, RELAYS AND CONTACTORS IN ADDITION TO THE CONTROL EQUIPMENT LOCATED WITHIN DB. PROVIDE A SHOP DRAWING OF DB-S FOR APPROVAL. PROVIDE DB-S WITH NEW SWITCHGEAR AND CONTROLS TO RECONNECT ALL OF THE EXISTING DB-A AND DB-K CIRCUITS TO THE SAME LEVEL OF CAPACITY AND FUNCTION. PROVIDE THE NEW SWITCHGEAR WITH RCD PROTECTION TO THE CURRENT VERSION OF AS3000. RELOCATE THE EXISTING DYNALITE CONTROLS INTO DB-C. RELOCATE THE EXISTING SECURITY EQUIPMENT AND ALL EXISTING SERVICES TO ACCOMMODATE THE NEW DB-S. ALL EXISTING CABLING AND SERVICES THAT BECOME REDUNDANT ARE TO BE REMOVED. PROVIDE ALL NEW LABELLING AND SCHEDULES REFLECTING THE FINAL INSTALLATION.			T1
DONALDSON DB		EXISTING DONALDSON BUILDING DISTRIBUTION BOARD TO BE UPGRADED TO ACCOMMODATE THE EXISTING MDB-M CIRCUITS. THE DONALDSON DB IS TO BE PROVIDED WITH A NEW SUBMAIN FROM THE MIDDLE SCHOOL MSB-M. THE EXISTING SUBMAIN FROM THE MDB-M IS TO BE REMOVED. PROVIDE THE DONALDSON DB WITH NEW SWITCHGEAR AND CONTROLS TO RECONNECT ALL OF THE EXISTING MDB-C CIRCUITS (AC AND PUMP) TO THE SAME LEVEL OF CAPACITY AND FUNCTION			T1
GOODWIN DB		EXISTING GOODWIN BUILDING DISTRIBUTION BOARD TO REMAIN AS IS AND BE PROVIDED WITH A NEW SUBMAIN FROM THE MIDDLE SCHOOL MSB-M. THE EXISTING SUBMAIN FROM THE MDB-M IS TO BE REMOVED.			T1
LAUNDRY DB		EXISTING LAUNDRY DISTRIBUTION BOARD TO REMAIN AS IS AND BE RECONNECTED TO THE NEW DB-S.			T1



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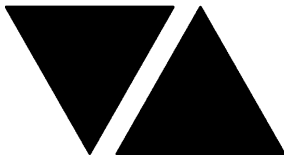
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TUCKSHOP DB		EXISTING VIKING CAFÉ TUCK SHOP DISTRIBUTION BOARD AND ASSOCIATED SUBMAIN TO BE REMOVED.			T1
ALL OTHER DISTRIBUTION BOARDS		ALL OTHER DISTRIBUTION BOARDS SHOWN ON THE DRAWINGS, BUT NOT NOTED IN THIS EQUIPMENT SCHEDULE ARE EXISTING TO REMAIN AS IS.			T1
MDB-M		EXISTING MIDDLE MAIN DISTRIBUTION BOARD TO BE REMOVED FOLLOWING THE MODIFICATION TO THE EXISTING SUBMAINS AND CIRCUITS AS PER THE POWER SCHEMATICS AND SPECIFICATION . PROVIDE PERMANENT COVERS AND PATCHES TO ALL OPENINGS LEFT EXPOSED BY THE REMOVAL OF MDB-C TO THE SATISFACTION OF THE SUPERINTENDENT.			T1
MSB-P		EXISTING PREP SCHOOL MAIN SWITCHBOARD TO BE UPGRADED INSITU AS PER THE POWER SCHEMATICS AND SPECIFICATION . UPDATE THE LABELLING TO REFLECT THE FINAL INSTALLATION.			T1
MSB-M		EXISTING MIDDLE SCHOOL MAIN SWITCHBOARD TO BE UPGRADED INSITU AS PER THE POWER SCHEMATICS AND SPECIFICATION . UPDATE THE LABELLING TO REFLECT THE FINAL INSTALLATION.			T1
MSB-S		EXISTING SENIOR SCHOOL MAIN SWITCHBOARD TO BE UPGRADED INSITU AS PER THE POWER SCHEMATICS AND SPECIFICATION . UPDATE THE LABELLING TO REFLECT THE FINAL INSTALLATION.			T1
MSSBx		MECHANICAL SERVICES SWITCHBOARD PROVIDED BY THE MECHANICAL SUB CONTRACTOR. COORDINATE THE SUBMAIN CONNECTION AND COMMUNICATIONS OUTLET POSITION WITH THE MECHANICAL SUB CONTRACTOR ON SITE.			T1
ACCESS POINTS A1		NO LONGER REQUIRED			T1
ACCESS POINTS A2		NO LONGER REQUIRED			T1
ACCESS POINTS A3		NO LONGER REQUIRED			T1
ACCESS POINTS A4		NO LONGER REQUIRED			T1
PA ALARM PANEL (ALP)		FOUR BUTTON ALARM PANEL AS PER THE ALP DETAIL TO INTERFACE TO THE SCHOOLS TERRACOM PA SCHOOL BELL SYSTEM. MOUNT AT 1400mm AFFL UNLESS NOTED OTHERWISE.	WHITE UNLESS NOTED AS BK (BLACK)	CLIPSAL C2000 SERIES	C2
PA SCHOOL BELL RECESSED SPEAKER		RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE. CONNECT THE SPEAKER AND ASSOCIATED AMPLIFIER TO THE NEW SCHOOL BELL SYSTEM	WHITE UNLESS NOTED AS BK (BLACK)	BOSCH F.01U.026.342 - LBC3099/41	T1
SCHOOL BELL PA HORN		WALL MOUNTED WEATHER PROOF SCHOOL BELL HORN SPEAKER CONNECTED TO THE NEW SCHOOL BELL SYSTEM.	-	AUSTRALIAN MONITOR ATC 30	T1

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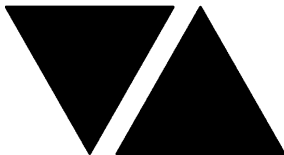
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FIRE INDICATOR PANEL (FIP)		NEW FLUSH RECESSED FIRE INDICATOR PANEL AND ALL ASSOCIATED EQUIPMENT TO BE CONNECTED TO THE SCHOOLS EXISTING FIRE ALARM SYSTEM VIA A OPTICAL FIBRE CABLE . PROVIDE THE FIP IN ACCORDANCE WITH THE AS1670 REQUIREMENTS. PROVIDE THE FIP WITH A 4 CORE FIBRE CABLE CONNECTING IT TO THE LOCAL COMMUNICATIONS RACK FOBOT. PROVIDE A SHOP DRAWING OF EACH FIP AND ITS ASSOCIATED RECESS KIT TRIM FOR APPROVAL.			T2
SMOKE DETECTOR		SURFACE MOUNTED ADDRESSABLE AS1670 COMPLIANT SMOKE DETECTOR WHITE UNLESS NOTED AS BK (BLACK)			T1
THERMAL DETECTOR		SURFACE MOUNTED ADDRESSABLE AS1670 COMPLIANT THERMAL DETECTOR WHITE UNLESS NOTED AS BK (BLACK)			T1
FIRE ALARM SYSTEM SPEAKER		RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE. CONNECT THE SPEAKER TO THE EWIS	WHITE UNLESS NOTED AS BK (BLACK)	BOSCH F.01U.026.342 - LBC3099/41	T1
FIRE DOOR INTERFACE		INTERFACE THE DOOR TO PROVIDE A FAIL SAFE UNLOCK UPON RECEIVING AN EVACUATION SIGNAL FROM THE FIP. CONFIGURE THE SYSTEM SUCH THAT UPON ALARM THE DOOR WILL UNLOCK AND CAN BE OPENED WITHOUT USING ANY FORM OF INTERFACE SUCH AS A BREAK GLASS OR PUSH BUTTON.			T1
FIRE ALARM SYSTEM HORN		WALL MOUNTED WEATHER PROOF HORN SPEAKER CONNECTED TO THE EWIS	-	AUSTRALIAN MONITOR ATC 30	T1
AUTO DOOR (AD)		AUTO DOOR TO BE INTERFACED TO THE SCHOOLS PA SYSTEM , THE LOCAL FIP AND THE ACCESS CONTROL SYSTEM. THE AUTO DOOR IS TO LOCK UPON RECEIVING A LOCK DOWN SIGNAL FROM THE SCHOOLS PA SYSTEM OR A LOCK SIGNAL FROM THE ACCESS CONTROL SYSTEM. THE AUTO DOOR IS TO UNLOCK UPON RECEIVING AN EVACUATION SIGNAL FROM THE SCHOOLS PA SYSTEM OR AN ALARM SIGNAL FROM THE FIP OR AN UNLOCK SIGNAL FROM THE ACCESS CONTROL SYSTEM.			T1
SECURITY EQUIPMENT		EXPAND THE SCHOOLS EXISTING INNER RANGE SECURITY SYSTEM TO ACCOMMODATE THE NEW ACCESS CONTROL AND INTRUDER DETECTION POINTS. ENSURE THE ASSOCIATED POWER OUTLET IS LOCATED WITHIN A SECURITY PANEL HOUSING AND THE FIBRE CABLING IS CONCEALED. CONNECT THE SECURITY EQUIPMENT TO THE SCHOOLS EXISTING SECURITY SYSTEM VIA A FIBRE OPTIC CABLE (FIBRE MODEM).			T1
SECURITY PIEZO SIREN		FLUSH RECESSED PIEZO SIREN SUBMIT DETAILS FOR APPROVAL PRIOR TO ORDERING			T1
SECURITY INTRUDER DETECTOR		DUAL-TECHNOLOGY MOVEMENT DETECTORS WALL MOUNTED AS PER THE MANUFACTURER'S SPECIFICATION. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH ONE DETECTOR PER ZONE. TYPE TO MATCH THE EXISTING USED IN THE JACKSON BUILDING. SUBMIT DETAILS FOR APPROVAL PRIOR TO ORDERING			T1
SECURITY SYSTEM KEYPAD (KP)		SECURITY SYSTEM KEYPAD MOUNTED AT 1100mm AFFL. PROVIDE THE KEYPAD TO MATCH THAT USED IN THE JACKSON BUILDING.			T1
ACCESS CONTROL DOOR MAGNETIC HOLDERS (MH)		MAGNETIC DOOR HOLDERS CONNECTED TO THE ACCESS CONTROL SYSTEM. PROVIDE DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. DOOR HOLDERS TO FAILSAFE OPEN UPON SIGNAL FROM THE FIP.			T1



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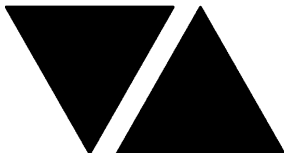
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ACCESS CONTROL DOOR V-LOCK (VL)		DOOR TRANSOM V-LOCK PROVIDED AS PART OF THE DOOR . CONNECT THE V-LOCK TO THE ACCESS CONTROL SYSTEM INCLUDING DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. THE V-LOCK IS TO FAILSAFE OPEN UPON SIGNAL FROM THE FIP.			C3
ACCESS CONTROL SYSTEM LIFT INTERFACE MODULE (LIM)		ACCESS CONTROL SYSTEM LIFT READER MODULE . COORDINATE THE INTERFACE TO LIFT CAR AND THE CARD READER WITHIN LIFT CARS BY SPECIALIST LIFT SUBCONTRACTOR.			T1
ACCESS CONTROL DOOR ELECTRIC STRIKE (ES)		FLUSH MOUNTED ELECTRIC DOOR STRIKE PLATE SUPPLIED AND INSTALLED AS PART OF THE DOOR. ALLOW TO CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. ELECTRIC STRIKE TO FAILSAFE OPEN UPON SIGNAL FROM THE FIP. COORDINATE THE ELECTRIC DOOR STRIKE INTERFACE WITH THE DOOR SUPPLIER. EACH ELECTRIC STRIKE IS TO BE PROVIDED WITH DOOR STATUS REPORTING (DOOR OPEN / DOOR CLOSED)			T1
ACCESS CONTROL GATE ELECTRIC STRIKE (GT)		FLUSH MOUNTED EXTERNAL GATE ELECTRIC DOOR STRIKE PLATE. ALLOW TO CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. COORDINATE THE ELECTRIC DOOR STRIKE INTERFACE WITH THE GATE SUPPLIER. EACH ELECTRIC STRIKE IS TO BE PROVIDED WITH GATE STATUS REPORTING (OPEN / CLOSED)			T1
ACCESS CONTROL DOOR CARD READER (CR)		WALL-MOUNTED 1400AFFL 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 NEW CENTENARY CENTRE.			T1
RS485 ACCESS CONTROL CABLE (485)		PROVIDE A RS485 CABLE FOR USE BY THE SPECIALIST DOOR LOCK CONTRACTOR FROM A BLANK PLATE ON THE CEILING TO THE SECURITY EQUIPMENT IN THE BASEMENT ELECTRICAL ROOM. ALLOW 2M COILED TAILS AT EACH END FOR TERMINATION AND CONNECTION BY A SPECIALIST CONTRACTOR DIRECT TO THE SCHOOL. CONFIRM THE POSITION OF THE 485 CABLE ON SITE WITH THE SCHOOLS SPECIALIST CONTRACTOR PRIOR TO ROUGHIN.			T1
KWH		EXISTING SUPPLY AUTHORITY REVENUE METER TO REMAIN AS IS			T1
M		EXISTING PRIVATE METER TO REMAIN AS IS			T1
NEW POWER PIT		PROVIDE ALL NEW POWER PITS WITH CLASS C INFILL LIDS C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST CONCRETE PIT AND PRECAST CONCRETE RISERS AS REQUIRED. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP/TAG THE LID WITH THE WORD "ELEC" DRAIN THE PIT TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PIT / LID FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF THE 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.	600 X 600 OPENING X 900 MIN DEPTH	DURHAM P666-C, CAC66C, S66B TAG-ELEC	T1



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NEW COMMUNICATIONS PIT		PROVIDE ALL NEW COMMUNICATIONS PITS WITH CLASS C INFILL LIDS C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST CONCRETE PIT AND PRECAST CONCRETE RISERS AS REQUIRED. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP/ TAG THE LID WITH THE WORD "COMMS" DRAIN THE PIT TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PIT / LID FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF THE 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.	600 X 600 OPENING X 700 MIN DEPTH	DURHAM P666-C, CAC66C, S66B TAG-COMM	T1
NEW POWER CONDUITS		PROVIDE ALL NEW POWER CONDUITS WITH SPARE DRAW WIRES 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.			T1
COMMUNICATIONS NEW CONDUITS		PROVIDE ALL NEW COMMUNICATIONS CONDUITS WITH SPARE DRAW WIRES 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.			T1