



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3491a - ST PIUS PRIMARY SCHOOL, BANYO - HALL & GLA REFURBISHMENT

C3491a-0004(A).xls

DISTRIBUTION BOARD DB-UCA

REVISION A - 01 OCTOBER 2025

<div>FAULT CURRENT: 6KA</div> <div>CHASSIS SIZE: 84 POLE</div> <div>CHASSIS RATING: 250A</div> <div>PHASES: 3</div> <div>MAIN SWITCH: 250 NON AUTO LOAD BREAK</div> <div>SUPPLY CABLE: EXISTING</div> <div>SOURCE: MDB</div>							REV
							A
							A
							A
REPLACE TEH EXISTING DISTRIBUTION BOARD WITH A LARGER BOARD RECONNECTING ALL OF THE EXISTING REMAIN INF CIRCUITS AND SUBMAINS. REFER TO THE EQUIPMENT SCHEDULE AND NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. ENSURE THE SCHEDULE INCLUDES THE CIRCUIT USE AND LOCATION.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	MPR 1	GPO	A
P2	3	20	RCBO	2.5	MPR 1	AC	A
P3	1	20	RCBO	2.5	MPR 2	GPO	A
P4	3	20	RCBO	2.5	MPR 2	AC	A
P5	1	20	RCBO	2.5	HALL	GPO	A
P6	1	20	RCBO	2.5	HALL	GPO	A
P7	3	20	RCBO	2.5	HALL	FAN	A
P8	3	20	RCBO	2.5	HALL	FAN	A
P9	3	20	RCBO	2.5	HALL	FAN	A
L1	1	20	RCBO	2.5	MPR 1	LIGHTS	A
L2	1	20	RCBO	2.5	MPR 2	LIGHTS	A
L3	1	20	RCBO	2.5	LOWER LEVEL	LIGHTS	A
L4	1	20	RCBO	2.5	HALL	LIGHTS	A
L5	1	20	RCBO	2.5	HALL	LIGHTS	A
L6	1	20	RCBO	2.5	HALL	LIGHTS	A
L7	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY	A