



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3777a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, MIDDLE SCHOOL CHA16 - AUDITORIUM

C3777a-0004(B).xls

DISTRIBUTION BOARD DB-B

REVISION B - 01 JUNE 2026

							REV
FAULT CURRENT:		6KA		MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR	A
CHASSIS SIZE:		72 POLES		SUPPLIED FROM:		DB-3	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C+E 70	A
PHASES:		3					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. ACCURATELY LABEL EACH CIRCUIT BREAKER WITH THE USE AND THE POSITION. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHT TESTING FACILITY. PROVIDE THE DB WITH A PHILIPS DYNALITE DDBC320-DALIV3 TO CONTROL THE DALI LIGHTS AND A PHILIPS DYNALITE DDNG485 NETWORK COMMUNICATIONS BRIDGE.							B
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P2	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P3	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P4	1	20	RCBO	2.5	AV RACKS	GPOS	A
P5	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P6	3	40	MCB	6.0	AV RACKS	3 PH OUTLET	A
P7	1	20	RCBO	2.5	BIO BOX	TV	A
P8	1	20	RCBO	2.5	BIO BOX	CLEANING	A
P9	1	20	RCBO	2.5	BIO BOX	GPO	A
P10	1	20	RCBO	2.5	BIO BOX	GPO	A
P11	1	20	RCBO	2.5	BIO BOX	GPO	A
P12	1	20	RCBO	2.5	BIO BOX	AV-3	A
P13	1	20	RCBO	2.5	STAGE	GPO	A
P14	1	20	RCBO	2.5	STAGE	GPO	A
P15	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P16	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P17	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P18	1	20	RCBO	2.5	STAGE	FLOOR BOX	A
P19	1	20	RCBO	2.5	STAGE	GPO	A
P20	1	20	RCBO	2.5	STAGE	GPO	A
P21	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P22	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P23	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P24	1	20	RCBO	2.5	AUDITORIUM	GPO	A
P25	1	20	RCBO	2.5	AUDITORIUM	GPO	A
L1	1	20	RCBO	2.5		LIGHTING	A
L2	1	20	RCBO	2.5		LIGHTING	A
L3	1	20	RCBO	2.5		LIGHTING	A
L4	1	20	RCBO	2.5		LIGHTING	A
L5	1	20	RCBO	2.5		LIGHTING	A
L6	1	20	RCBO	2.5		LIGHTING	A
L7	1	20	RCBO	2.5		LIGHTING	A
L8	1	20	RCBO	2.5		LIGHTING	A