



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C2717a - KINGS CHRISTIAN COLLEGE - REEDY CREEK - GLAS & STUDENT SERVICES KCC49 C2717a-0008(C).xls

DISTRIBUTION BOARD DB-MS

REVISION C - 24 SEPTEMBER 2024

							REV	
FAULT CURRENT:		6KA	MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR		A	
CHASSIS SIZE:		2 X 84 POLES	SUPPLIED FROM:		MDB		A	
CHASSIS RATING:		250A	SUPPLY CABLE:		4C70		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 AND SURGE PROTECTION. REFER TO THE NOTES FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P1	1	20	RCBO	2.5	EXTERNAL	GPO	A	
P2	1	20	RCBO	2.5	GROUND	CIRCULATION GPO	A	
P3	1	20	RCBO	2.5	GROUND	RECEPTION GPO	A	
P4	1	20	RCBO	2.5	GROUND	CHAPLAIN GPO	B	
P5	1	20	RCBO	2.5	GROUND	MEETING GPO	A	
P6	1	20	RCBO	2.5	GROUND	WELLBEING GPO	A	
P7	1	20	RCBO	2.5	GROUND	SICK BAY GPO	A	
P8	1	20	RCBO	2.5	GROUND	CONSULT GPO	A	
P9	1	20	RCBO	2.5	GROUND	NURSE GPO	A	
P10	1	20	RCBO	2.5	GROUND	KITCHENETTE GPO	A	
P11	1	20	RCBO	2.5	GROUND	PRINTER	A	
P12	1	20	RCBO	2.5	GROUND	AUTO BOILER	A	
P13	1	20	RCBO	2.5	GROUND	KITCHENETTE GPO	A	
P14	1	20	RCBO	2.5	GROUND	MICROWAVE	A	
P15	1	20	RCBO	2.5	GROUND	AUTO BOILER	A	
P16	1	20	RCBO	2.5	GROUND	ICE	A	
P17	1	20	RCBO	2.5	GROUND	UTILITY GPO	A	
P18	1	20	RCBO	2.5	GROUND	WORKSTATION	A	
P19	1	20	RCBO	2.5	GROUND	REF	A	
P20	1	20	RCBO	2.5	GROUND	LAUNDRY GPO	A	
P21	1	20	RCBO	2.5	GROUND	DR / WM	A	
P22	1	20	RCBO	2.5	GROUND	DRINK FOUNTAIN	A	
P23	1	20	RCBO	2.5	GROUND	OFFICE GPO	A	
P24	1	20	RCBO	2.5	GROUND	CHARGER	A	
P25	1	20	RCBO	2.5	GROUND	CHARGER	A	
P26	3	32	RCBO	6.0	LEVEL 1	EXTERNAL SCREEN	A	
P27	1	20	RCBO	2.5	LEVEL 1	FIRE DOORS	A	
P28	1	20	RCBO	2.5	LEVEL 1	GLA 1 POWER	A	
P29	1	20	RCBO	2.5	LEVEL 1	STAFF GPO	A	
P30	1	20	RCBO	2.5	LEVEL 1	DRINK FOUNTAIN	A	
P31	1	20	RCBO	2.5	LEVEL 1	CIRCULATION GPO	A	
P32	1	20	RCBO	2.5	LEVEL 1	CUBE GPO	B	
P33	1	20	RCBO	2.5	LEVEL 1	GLA 6 POWER	A	
P34	1	20	RCBO	2.5	LEVEL 1	GLA 5 POWER	A	
P35	1	20	RCBO	2.5	LEVEL 1	FLA 1 POWER	A	
P36	1	20	RCBO	2.5	LEVEL 1	GLA 4 POWER	A	
P37	1	20	RCBO	2.5	LEVEL 1	GLA 3 POWER	A	
P38	1	20	RCBO	2.5	LEVEL 1	GLA 2 POWER	A	
P39	1	20	RCBO	2.5	LEVEL 2	DRINK FOUNTAIN	A	
P40	1	20	RCBO	2.5	LEVEL 2	FIRE DOORS	A	
P41	1	20	RCBO	2.5	LEVEL 2	GLA 3 POWER	A	
P42	1	20	RCBO	2.5	LEVEL 2	GLA 2 POWER	A	
P43	1	20	RCBO	2.5	LEVEL 2	GLA 1 POWER	A	
P44	3	40	RCD TYPE B	6.0	LEVEL 2	LIFT	A	
P45	1	40	RCBO	6.0	LEVEL 2	HWS	C	



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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P46	1	20	RCBO	2.5	LEVEL 2	GLA 6 POWER	A	
P47	1	20	RCBO	2.5	LEVEL 2	GLA 5 POWER	A	
P48	1	20	RCBO	2.5	LEVEL 2	GLA 4 POWER	A	
P49	1	20	RCBO	2.5	LEVEL 2	FLA POWER	A	
P50	1	20	RCBO	2.5	LEVEL 2	FLA POWER	A	
P51	3	40	RCBO	6.0	WELLNESS	HWS	C	
L1	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	A	
L2	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	A	
L3	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	A	
L4	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	A	
L5	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	A	
L6	1	20	RCBO	2.5	LEVEL 1	STAIR 2 LIGHTS	A	
L7	1	20	RCBO	2.5	LEVEL 1	GLA 1 LIGHTS	A	
L8	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	A	
L9	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	A	
L10	1	20	RCBO	2.5	LEVEL 1	GLA 6 LIGHTS	A	
L11	1	20	RCBO	2.5	LEVEL 1	GLA 5 LIGHTS	A	
L12	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	A	
L13	1	20	RCBO	2.5	LEVEL 1 & 2	STAIR 1 LIGHTS	A	
L14	1	20	RCBO	2.5	LEVEL 1	GLA 4 LIGHTS	A	
L15	1	20	RCBO	2.5	LEVEL 1	GLA 3 LIGHTS	A	
L16	1	20	RCBO	2.5	LEVEL 1	GLA 2 LIGHTS	A	
L17	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	A	
L18	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	A	
L19	1	20	RCBO	2.5	LEVEL 2	GLA 4 LIGHTS	A	
L20	1	20	RCBO	2.5	LEVEL 2	SKY LIGHTS	A	
L21	1	20	RCBO	2.5	LEVEL 2	FLA LIGHTS	A	
L22	1	20	RCBO	2.5	LEVEL 2	FLA LIGHTS	A	
L23	1	20	RCBO	2.5	LEVEL 2	GLA 5 LIGHTS	A	
L24	1	20	RCBO	2.5	LEVEL 2	GLA 3 LIGHTS	A	
L25	1	20	RCBO	2.5	LEVEL 2	GLA 2 LIGHTS	A	
L26	1	20	RCBO	2.5	LEVEL 2	GLA 1 LIGHTS	A	
L27	1	20	RCBO	2.5	LEVEL 2	FLA LIGHTS	A	
L28	1	20	RCBO	2.5	LEVEL 2	GLA 6 LIGHTS	B	
L29	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	A	