ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS
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C2717a - KINGS CHRISTIAN COLLEGE - REEDY CREEK - GLAS & STUDENT SERVICES KCC49 C2717a-0008(E).xls DISTRIBUTION BOARD DB-MS

REVISION E - 03 JUNE 2025

							RE\
		FAULT CURRENT:	6KA MAIN SWITCH:			250A NON AUTO LOAD BREAK ISOLATOR	А
		CHASSIS SIZE:	2 X 84 POLES		SUPPLIED FROM:	MDB	А
		CHASSIS RATING:	250A		SUPPLY CABLE:	4C70	А
	PHASES: 3						А
PROVI	IDE THE I	OB WITH A FULL WIDTH EM	MPTY DIN RAIL TO ACCO	MMODATE FUTURE C	ONTACTORS AND CONTR	OLS. ACCURATELY	
LABEL FACILI	EACH CI	DB WITH A FULL WIDTH EN IRCUIT BREAKER WITH TH SURGE PROTECTION. R	E USE AND THE POSITION	ON. PROVIDE THE DI	B WITH AN AS2293 EMERG TRUCTION REQUIREMEN	SENCY LIGHT TESTING	А
LABEL FACILI	EACH C	RCUIT BREAKER WITH TH SURGE PROTECTION. R	E USE AND THE POSITION EFER TO THE NOTES FO	ON. PROVIDE THE DID R ADDITIONAL CONS	B WITH AN AS2293 EMERG	BENCY LIGHT TESTING TS.	А
LABEL FACILI	EACH CI	RCUIT BREAKER WITH TH SURGE PROTECTION. R	E USE AND THE POSITION EFER TO THE NOTES FOR	ON. PROVIDE THE DI OR ADDITIONAL CONS	B WITH AN AS2293 EMERG TRUCTION REQUIREMEN	SENCY LIGHT TESTING TS. CIRCUIT	A
LABEL FACILI	EACH CI	RCUIT BREAKER WITH TH SURGE PROTECTION. R CIRCUIT BREAKER (amps)	E USE AND THE POSITION EFER TO THE NOTES FOR CONTROL EQUIPMENT	ON. PROVIDE THE DID RADDITIONAL CONS CABLE SIZE (mm²)	B WITH AN AS2293 EMERGETRUCTION REQUIREMENT	CIRCUIT USE	
LABEL FACILI CIRC P1	EACH CI	CIRCUIT BREAKER WITH THE SURGE PROTECTION. R CIRCUIT BREAKER (amps) 20	E USE AND THE POSITION EFER TO THE NOTES FOR CONTROL EQUIPMENT RCBO	CABLE SIZE (mm²) 2.5	B WITH AN AS2293 EMERGETRUCTION REQUIREMENT LOCATION EXTERNAL	CIRCUIT USE GPO	A
LABEL FACILI CIRC P1 P2	EACH CI	CIRCUIT BREAKER WITH THE SURGE PROTECTION. R CIRCUIT BREAKER (amps) 20 20	E USE AND THE POSITION EFER TO THE NOTES FOR CONTROL EQUIPMENT RCBO RCBO	CABLE SIZE (mm²) 2.5 2.5	B WITH AN AS2293 EMERGETRUCTION REQUIREMENT LOCATION EXTERNAL GROUND	CIRCUIT USE GPO CIRCULATION GPO	A
CIRC P1 P2 P3	EACH CI	CIRCUIT BREAKER WITH THE SURGE PROTECTION. R CIRCUIT BREAKER (amps) 20 20 20 20	E USE AND THE POSITION EFER TO THE NOTES FOR CONTROL EQUIPMENT RCBO RCBO RCBO RCBO	CABLE SIZE (mm²) 2.5 2.5 2.5 2.5	B WITH AN AS2293 EMERGETRUCTION REQUIREMENT LOCATION EXTERNAL GROUND GROUND	CIRCUIT USE GPO CIRCULATION GPO RECEPTION GPO	A A A
CIRC P1 P2 P3 P4	EACH CI	CIRCUIT BREAKER WITH THE SURGE PROTECTION. R CIRCUIT BREAKER (amps) 20 20 20 20 20 20	E USE AND THE POSITION EFER TO THE NOTES FOR CONTROL EQUIPMENT RCBO RCBO RCBO RCBO RCBO	CABLE SIZE (mm²) 2.5 2.5 2.5 2.5 2.5	E WITH AN AS2293 EMERGE TRUCTION REQUIREMENT LOCATION EXTERNAL GROUND GROUND GROUND	CIRCUIT USE GPO CIRCULATION GPO RECEPTION GPO CHAPLAIN GPO	A A A B

1 4		20	RODO	2.0	GINOGIAD	OII COLLY THOM OF O	7.
P3	1	20	RCBO	2.5	GROUND	RECEPTION GPO	Α
P4	1	20	RCBO	2.5	GROUND	CHAPLAIN GPO	В
P5	1	20	RCBO	2.5	GROUND	MEETING GPO	Α
P6	1	20	RCBO	2.5	GROUND	WELLBEING GPO	Α
P7	1	20	RCBO	2.5	GROUND	SICK BAY GPO	Α
P8	1	20	RCBO	2.5	GROUND	CONSULT GPO	Α
P9	1	20	RCBO	2.5	GROUND	NURSE GPO	Α
P10	1	20	RCBO	2.5	GROUND	KITCHENETTE GPO	Α
P11	1	20	RCBO	2.5	GROUND	PRINTER	Α
P12	1	20	RCBO	2.5	GROUND	AUTO BOILER	Α
P13	1	20	RCBO	2.5	GROUND	KITCHENETTE GPO	Α
P14	1	20	RCBO	2.5	GROUND	MICROWAVE	Α
P15	1	20	RCBO	2.5	GROUND	AUTO BOILER	Α
P16	1	20	RCBO	2.5	GROUND	ICE	Α
P17	1	20	RCBO	2.5	GROUND	UTILITY GPO	Α
P18	1	20	RCBO	2.5	GROUND	WORKSTATION	Α
P19	1	20	RCBO	2.5	GROUND	REF	Α
P20	1	20	RCBO	2.5	GROUND	LAUNDRY GPO	Α
P21	1	20	RCBO	2.5	GROUND	DR / WM	Α
P22	1	20	RCBO	2.5	GROUND	DRINK FOUNTAIN	Α
P23	1	20	RCBO	2.5	GROUND	OFFICE GPO	Α
P24	1	20	RCBO	2.5	GROUND	CHARGER	Α
P25	1	20	RCBO	2.5	GROUND	CHARGER	Α
P26	3	32	RCBO	6.0	LEVEL 1	EXTERNAL SCREEN	Α
P27							е
P28	1	20	RCBO	2.5	LEVEL 1	GLA 1 POWER	Α
P29	1	20	RCBO	2.5	LEVEL 1	STAFF GPO	Α
P30	1	20	RCBO	2.5	LEVEL 1	DRINK FOUNTAIN	Α
P31	1	20	RCBO	2.5	LEVEL 1	CIRCULATION GPO	Α
P32	1	20	RCBO	2.5	LEVEL 1	CUBE GPO	В
P33	1	20	RCBO	2.5	LEVEL 1	GLA 6 POWER	Α
P34	1	20	RCBO	2.5	LEVEL 1	GLA 5 POWER	Α
P35	1	20	RCBO	2.5	LEVEL 1	FLA 1 POWER	Α
P36	1	20	RCBO	2.5	LEVEL 1	GLA 4 POWER	Α
P37	1	20	RCBO	2.5	LEVEL 1	GLA 3 POWER	Α
P38	1	20	RCBO	2.5	LEVEL 1	GLA 2 POWER	Α
P39	1	20	RCBO	2.5	LEVEL 2	DRINK FOUNTAIN	Α
P40							е
P41	1	20	RCBO	2.5	LEVEL 2	GLA 3 POWER	Α
P42	1	20	RCBO	2.5	LEVEL 2	GLA 2 POWER	Α
P43	1	20	RCBO	2.5	LEVEL 2	GLA 1 POWER	Α
P44	3	40	RCD TYPE B	6.0	LEVEL 2	LIFT	Α
P45	1	40	RCBO	6.0	LEVEL 2	HWS	С

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		FAULT CURRENT:	6KA		MAIN SWITCH:	250A NON AUTO LOAD BREAK ISOLATOR	А
		CHASSIS SIZE:	2 X 84 POLES		SUPPLIED FROM:	MDB	А
		CHASSIS RATING:	250A		SUPPLY CABLE:	4C70	Α
		PHASES:	3				A
LABEL	EACH CI	OB WITH A FULL WIDTH EM RCUIT BREAKER WITH THI SURGE PROTECTION. RI	E USE AND THE POSITION	ON. PROVIDE THE DB		GENCY LIGHT TESTING	А
		CIRCUIT	CONTROL	CABLE		CIRCUIT	
CIRC	PH	BREAKER (amps)	EQUIPMENT	SIZE (mm ²)	LOCATION	USE	
P46	1	20	RCBO	2.5	LEVEL 2	GLA 6 POWER	Α
P47	1	20	RCBO	2.5	LEVEL 2	GLA 5 POWER	A
P48	1	20	RCBO	2.5	LEVEL 2	GLA 4 POWER	Α
P49	1	20	RCBO	2.5	LEVEL 2	FLA POWER	Α
P50	1	20	RCBO	2.5	LEVEL 2	FLA POWER	Α
P51	3	40	RCBO	6.0	WELLNESS	HWS	С
P52	1	20	RCBO	2.5	LEVEL 1	LEVEL 2 FIRE CURTAINS	D
P53	1	20	RCBO	2.5	LEVEL 1	LEVEL 1 FIRE CURTAINS	D
P54	1	20	RCBO	2.5	GROUND	FIP	Е
L1	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	A
L2	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	Α
L3	1	20	RCBO	2.5	GROUND	CIRCULATION LIGHTS	Α
L4	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	Α
L5	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	Α
L6	1	20	RCBO	2.5	LEVEL 1	STAIR 2 LIGHTS	Α
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	Α
L11	1	20	RCBO	2.5	LEVEL 1	GLA 5 LIGHTS	A
L12	1	20	RCBO	2.5	LEVEL 1	CIRCULATION LIGHTS	Α
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
L17	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
L20	1	20	RCBO	2.5	LEVEL 2	FLA LIGHTS	A
L21	1	20	RCBO		LEVEL 2	FLA LIGHTS FLA LIGHTS	A
				2.5			
L23	1	20 20	RCBO	2.5	LEVEL 2	GLA 3 LIGHTS	Α
L24			RCBO	2.5	LEVEL 2	GLA 3 LIGHTS	A
L25	1	20	RCBO	2.5	LEVEL 2	GLA 2 LIGHTS	Α
L26	1	20	RCBO	2.5	LEVEL 2	GLA LIGHTS	A
L27	1	20	RCBO	2.5	LEVEL 2	FLA LIGHTS	A
L28	1	20	RCBO	2.5	LEVEL 2	GLA 6 LIGHTS	В
L29	1	20	RCBO	2.5	GROUND	WELLNESS LIGHTS	A

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