



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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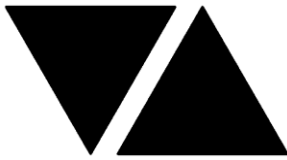
C2975a - KINGS CHRISTIAN COLLEGE - PIMPAMA, JUNIOR RESOURCE BUILDING PIM15

C2975a-0004(A).xls

DISTRIBUTION BOARD DB-15

REVISION A - 16 OCTOBER 2023

							REV	
FAULT CURRENT:		6KA	MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR		A	
CHASSIS SIZE:		2 X 60 POLES	SUPPLIED FROM:		MDB		A	
CHASSIS RATING:		250A	SUPPLY CABLE:		1C 95		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 DB-15 WITH A 125A MCCB TO SUPPLY THE MSSB AS PER THE POWER SCHEMATIC.							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	EXTERNAL	DF	A	
P3	1	20	RCBO	2.5	EXTERNAL	DF	A	
P4	1	20	RCBO	2.5	EXTERNAL	15A	A	
P5	1	20	RCBO	2.5	EXTERNAL	15A	A	
P6	1	20	RCBO	2.5	EXTERNAL	15A	A	
P7	3	40	RCBO	6.0	EXTERNAL	40A OUTLET	A	
P8	1	20	RCBO	2.5	EXTERNAL	15A	A	
P9	1	20	RCBO	2.5	GROUND	GLA 1	A	
P10	1	20	RCBO	2.5	GROUND	GLA 2	A	
P11	1	20	RCBO	2.5	GROUND	GLA 3	A	
P12	1	20	RCBO	2.5	GROUND	GLA 4	A	
P13	1	20	RCBO	2.5	GROUND	GLA 5	A	
P14	1	20	RCBO	2.5	GROUND	GLA 6	A	
P15	1	20	RCBO	2.5	GROUND	GLA 7	A	
P16	1	20	RCBO	2.5	GROUND	CIRCULATION	A	
P17	1	20	RCBO	2.5	GROUND	CIRCULATION	A	
P18	1	20	RCBO	2.5	GROUND	HD	A	
P19	1	20	RCBO	2.5	GROUND	AMENITY	A	
P20	1	20	RCBO	2.5	GROUND	HD	A	
P21	1	20	RCBO	2.5	GROUND	HD	A	
P22	3	20	RCBO	2.5	GROUND	HWS	A	
P23	1	20	RCBO	2.5	LEVEL 1	GLA 8	A	
P24	1	20	RCBO	2.5	LEVEL 1	GLA 9	A	
P25	1	20	RCBO	2.5	LEVEL 1	ART	A	
P26	1	20	RCBO	2.5	LEVEL 1	ART	A	
P27	1	20	RCBO	2.5	LEVEL 1	GLA 12	A	
P28	1	20	RCBO	2.5	LEVEL 1	GLA 13	A	
P29	1	20	RCBO	2.5	LEVEL 1	GLA 14	A	
P30	1	20	RCBO	2.5	LEVEL 1	CIRCULATION	A	
P31	1	20	RCBO	2.5	LEVEL 1	CIRCULATION	A	
P32	1	20	RCBO	2.5	LEVEL 1	CR 15	A	
P33	1	20	RCBO	2.5	LEVEL 1	SECURITY	A	
P34	1	20	RCBO	2.5	LEVEL 1	HD	A	
P35	1	20	RCBO	2.5	LEVEL 1	AMENITY	A	
P36	1	20	RCBO	2.5	LEVEL 1	HD	A	
P37	1	20	RCBO	2.5	LEVEL 1	HD	A	
P38	3	20	RCBO	2.5	LEVEL 1	HWS	A	



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CHASSIS RATING:		250A	SUPPLY CABLE:		1C 95		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 DB-15 WITH A 125A MCCB TO SUPPLY THE MSSB AS PER THE POWER SCHEMATIC.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
L1	1	20	RCD PE ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	A	
L2	1	20	RCD	2.5	GROUND	GLAS 1,2 & 3	A	
L3	1	20	RCD	2.5	GROUND	GLAS 4 & 5	A	
L4	1	20	RCD	2.5	GROUND	GLA 6	A	
L5	1	20	RCD	2.5	GROUND	GLA 7	A	
L6	1	20	RCD	2.5	GROUND	CIRCULATION	A	
L7	1	20	RCD	2.5	GROUND	CIRCULATION	A	
L8	1	20	RCD	2.5	GROUND	MALE	A	
L9	1	20	RCD	2.5	GROUND	FEMALE	A	
L10	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L11	1	20	RCD	2.5	EXTERNAL	LIGHTS	A	
L12	1	20	RCD PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	FLOOD LIGHTS	A	
L13	1	20	RCD	2.5	LEVEL 1	GLA 8	A	
L14	1	20	RCD	2.5	LEVEL 1	GLA 9	A	
L15	1	20	RCD	2.5	LEVEL 1	ART	A	
L16	1	20	RCD	2.5	LEVEL 1	GLA 12	A	
L17	1	20	RCD	2.5	LEVEL 1	CIRCULATION	A	
L18	1	20	RCD	2.5	LEVEL 1	CIRCULATION	A	
L19	1	20	RCD	2.5	LEVEL 1	GLAS 13 & 14	A	
L20	1	20	RCD	2.5	LEVEL 1	MALE	A	
L21	1	20	RCD	2.5	LEVEL 1	FEMALE	A	