



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3475a - KINGS CHRISTIAN COLLEGE - PIMPAMA, SENIOR SCHOOL ADMINISTRATION PIM21 C3475a-0005(A).xls

DISTRIBUTION BOARD DB-21L

REVISION A - 16 FEBRUARY 2026

							REV
FAULT CURRENT:			6KA	MAIN SWITCH:			250A NON AUTO LOAD BREAK ISOLATOR
CHASSIS SIZE:			84 POLE	SUPPLIED FROM:			DB-21
CHASSIS RATING:			250A	SUPPLY CABLE:			4C25
PHASES:			3				
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	
1	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	A
2	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	A
3	1	20	RCBO PE ON DAWN TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	A
4	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	A
5	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	A
6	1	20	RCBO PE ON DAWN TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	A
7	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	RECEPTION LIGHTING	A
8	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	OFFICE LIGHTING	A
9	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	CIRCULATION LIGHTING	A
10	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	OFFICE LIGHTING	A
11	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	OFFICE LIGHTING	A
12	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	WORKSTATION LIGHTING	A
13	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 1 LIGHTING	A
14	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 2 LIGHTING	A
15	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 3 LIGHTING	A
16	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 4 LIGHTING	A



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REVISION A - 16 FEBRUARY 2026

FAULT CURRENT: 6KA CHASSIS SIZE: 84 POLE CHASSIS RATING: 250A PHASES: 3 MAIN SWITCH: 250A NON AUTO LOAD BREAK ISOLATOR SUPPLIED FROM: DB-21 SUPPLY CABLE: 4C25							REV
							A
							A
							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	
17	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 5 LIGHTING	A
18	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 6 LIGHTING	A
19	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	CIRCULATION LIGHTING	A
20	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 1 LIGHTING	A
21	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 2 LIGHTING	A
22	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 3 LIGHTING	A
23	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 4 LIGHTING	A
24	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 5 LIGHTING	A
25	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 6 LIGHTING	A
26	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	CIRCULATION LIGHTING	A