



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3474a - KINGS CHRISTIAN COLLEGE - CHAMBERS FLAT, SENIOR SCHOOL CHA12

C3474a-0005(A).xls

DISTRIBUTION BOARD DB-12L

REVISION A - 26 JANUARY 2026

							REV
FAULT CURRENT:		6KA		MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR	A
CHASSIS SIZE:		60 POLE		SUPPLIED FROM:		DB-12	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C25	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 <sup>2</sup> )	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 DUSK OFF DAWN	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	2.5	GROUND	COVERED AREA LIGHTING	A
7	1	20	RCBO	2.5	GROUND	COVERED AREA LIGHTING	A
8	1	20	RCBO	2.5	GROUND	AMENITY LIGHTING	A
9	1	20	RCBO	2.5	GROUND	AMENITY LIGHTING	A
10	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	AMENITY LIGHTING	A
11	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	AMENITY LIGHTING	A
12	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	COMMON LIGHTS	A
13	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	COMMON LIGHTS	A
14	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 1 LIGHTING	A
15	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 2 LIGHTING	A
16	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	GLA 3 LIGHTING	A



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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 <sup>2</sup> )	LOCATION	CIRCUIT USE		
17	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	ART LIGHTS	A	
18	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 1	ART LIGHTS	A	
19	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	AMENITY LIGHTING	A	
20	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	AMENITY LIGHTING	A	
21	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	STUDY LIGHTS	A	
22	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	STUDY LIGHTS	A	
23	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	STUDY LIGHTS	A	
24	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	STUDY LIGHTS	A	
25	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 1 LIGHTING	A	
26	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 2 LIGHTING	A	
27	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	GLA 3 LIGHTING	A	
28	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	MEETING LIGHTS	A	
29	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LEVEL 2	STAFF LIGHTS	A	