



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3631a - CANTERBURY COLLEGE SENIOR SCHOOL - TALNGAI PRECINCT

C3631a-0007(T2).xls

DISTRIBUTION BOARD DB-4

REVISION T2 - 21 AUGUST 2026

							REV
FAULT CURRENT:		6KA UTILISING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK ISOLATOR
CHASSIS SIZE:		36 POLE			SUPPLIED FROM:		MDB-9
CHASSIS RATING:		250A			SUPPLY CABLE:		4C50 AL
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.							T2
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	LIGHTING	T2
2	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTING	T2
3	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	T2
4	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTING	T2
5	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	FLA	LIGHTING	T2
6	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	AMENITIES	LIGHTING	T2
7	1	20	RCBO PE ON DUSK OFF DAWN	2.5	LOWER GROUND	LIGHTING	T2
8	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	T2
9	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	LOWER GROUND	LIGHTING	T2
10	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	CIRCULATION	LIGHTING	T2
11	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	CIRCULATION	LIGHTING	T2
12	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	STAIRS	LIGHTING	T2
13	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	KITCHEN	LIGHTING	T2
14	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	BOH	LIGHTING	T2
15	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	PLANT	LIGHTING	T2

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Pages inc. any attach. 1 of 2



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REVISION T2 - 21 AUGUST 2026

FAULT CURRENT: 6KA UTILISING CASCADING MAIN SWITCH: 250A NON AUTO LOAD BREAK ISOLATOR CHASSIS SIZE: 36 POLE SUPPLIED FROM: MDB-9 CHASSIS RATING: 250A SUPPLY CABLE: 4C50 AL PHASES: 3							REV
							T2
							T2
							T2
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.							T2
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
16	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	SENIOR KITCHEN	LIGHTING	T2
17	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	SENIOR KITCHEN	LIGHTING	T2
18	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	JUNIOR KITCHEN	LIGHTING	T2
19	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	CANTEEN	LIGHTING	T2
20	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	CAFE	LIGHTING	T2