



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3631a - CANTERBURY COLLEGE SENIOR SCHOOL - TALNGAI PRECINCT

C3631a-0005(T1).xls

DISTRIBUTION BOARD DB-2

REVISION T1 - 14 AUGUST 2026

FAULT CURRENT: 6KA UTILISING CASCADING CHASSIS SIZE: 36 POLE CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 250A NON AUTO LOAD BREAK ISOLATOR							T1
SUPPLIED FROM: MDB-9							T1
SUPPLY CABLE: 4C50 AL							T1
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.							T1
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	T1
1	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	T1
2	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	LIGHTING	T1
3	1	20	RCBO PE ON DUSK OFF DAWN	2.5	LOWER GROUND	LIGHTING	T1
4	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	AMENITY LIGHTING	T1
5	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	LOWER GROUND	PLANT ROOM LIGHTING	T1
6	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	ART STUDIO 1 LIGHTING	T1
7	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	GALLERY LIGHTING	T1
8	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	ART STUDIO 2 LIGHTING	T1
9	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	ART STUDIO 3 LIGHTING	T1
10	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	LOWER GROUND	SENIOR ART LIGHTING	T1
11	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	MEETING ROOM + BOH LIGHTING	T1
12	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	BOH LIGHTING	T1
13	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	MEETING ROOM LIGHTING	T1
14	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	LIBRARY LIGHTING	T1
15	1	20	RCBO INTERFACED TO THE SECURITY SYSTEM	2.5	GROUND	LIBRARY LIGHTING	T1
16	1	20	RCBO	2.5	COLA	LIGHTING	T1
17	1	20	RCBO	2.5	COLA	LIGHTING	T1