

# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375 Fax: (07) 3716 0222

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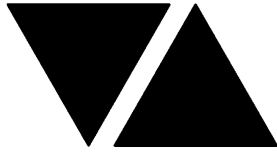
C3328a - ORMISTON COLLEGE - CLI

C3328a-0007(C).xls

DISTRIBUTION BOARD DB-B (LEVEL 1 PLANT ROOM)

REVISION C - 09 MAY 2025

							REV
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		160A NON AUTO LOAD BREAK SWITCH	A
CHASSIS SIZE:		2X 60 POLES		SUPPLIED FROM:		DB-CLI	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C 70	C
PHASES:		3					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE DYNALITE EQUIPMENT. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	PLANT ROOMS	GPO	A
P2	1	20	RCBO	2.5	FLA	GPO	A
P3	1	20	RCBO	2.5	STORE	GPO	A
P4	1	20	RCBO	2.5	FOYER	CHARGING	C
P5	3	40		6 + 10mm EARTH	LIFT SHAFT	LIFT	A
P6	1	20	RCBO	2.5	CLEANING	GPO	A
P7	1	20	RCBO	2.5	LIBRARY	PRINTERS	C
P8	1	20	RCBO	2.5	LIBRARY	FB	A
P9	1	20	RCBO	2.5	IT RECEPTION	GPO	A
P10	3	63		10.0	DATA ROOM	DB-C	A
P11	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P12	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P13	1	20	RCBO	2.5	IT OFFICES	GPO	A
P14	1	20	RCBO	2.5	CLEANING	GPO	A
P15	1	20	RCBO	2.5	IT OFFICES	GPO	A
P16	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P17	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P18	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P19	1	20	RCBO	2.5	IT WORK ROOM	GPO	A
P20	1	20	RCBO	2.5	LOUNGE	GPO	A
P21	1	20	RCBO	2.5	QUITE	GPO	A
P22							A
P23	1	20	RCBO D CURVE	2.5	EXTERNAL DECK	BIG SCREEN	A
P24							A
P25							A
P26							A
P27	1	20	RCBO	2.5	QUITE	GPO	A
P28	1	20	RCBO	2.5	QUITE	GPO	A
P29							A
P30							A
P31							A
P32							A
P33							A
P34	1	20	RCBO	2.5	FOYER	CHARGING	C
P35	1	20	RCBO	2.5	STORE	GPO	A
P36	1	20	RCBO	2.5	KITCHENETTE	AUTO BOILER	A
P37	1	20	RCBO	2.5	KITCHENETTE	GPO	A
P38	1	20	RCBO	2.5	PLANT ROOM	BMS	A
P39	1	20	RCBO	2.5	EXTERNAL DECK	FAN	A
P40	1	20	RCBO	2.5	EXTERNAL DECK	FAN	A
P41	1	20	RCBO	2.5	EXTERNAL DECK	FAN	A
P42							A
P43	1	20	RCBO D CURVE	2.5	EXTERNAL DECK	BIG SCREEN	A
P44	1	20	RCBO	2.5	EXTERNAL DECK	GPO	A
P45	1	20	RCBO	2.5	EXTERNAL DECK	GPO	A
P46	3	20	RCBO	2.5	IT RECEPTION	RSD	A
P47	3	25		4.0	PLANT ROOM	MSSB 2	A



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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE		
L1	1	20	RCBO	2.5	PLANT	LIGHTS	A	
L2	1	20	RCBO	2.5	LAB	LIGHTS	C	
L3	1	20	RCBO	2.5	FLA	LIGHTS	A	
L4							B	
L5	1	20	RCBO	2.5	IT	LIGHTS	A	
L6	1	20	RCBO	2.5	IT	LIGHTS	A	
L7	1	20	RCBO ZONE 4 SENSORS	2.5	LOUNGE	LIGHTS	B	
L8	1	20	RCBO ZONE 4 SENSORS	2.5	LOUNGE	LIGHTS	B	
L9	1	20	RCBO	2.5	QUITE	LIGHTS	A	
L10	1	20	RCBO ZONE 4 SENSORS	2.5	FOYER	LIGHTS	B	
L11	1	20	RCBO ZONE 4 SENSORS	2.5	FOYER	LIGHTS	B	
L12	1	20	RCBO	2.5	FLA	LIGHTS	A	
L13	1	20	RCBO	2.5	PLANT	LIGHTS	A	
L14	1	20	RCBO	2.5	EXTERNAL DECK	LIGHTS	A	
L15	1	20	RCBO	2.5	EXTERNAL DECK	LIGHTS	A	
L16	1	20	RCBO	2.5	LAB	LIGHTS	C	