

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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

Web Site: www.edg.net.au Email: brisbane@edg.net.au

C3328a - ORMISTON COLLEGE - CLI

C3328a-0006(C).xls

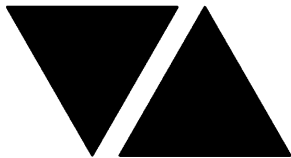
DISTRIBUTION BOARD DB-A (GROUND FLOOR)

REVISION C - 09 MAY 2025

							REV
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		160A NON AUTO LOAD BREAK SWITCH	A
CHASSIS SIZE:		2X 84 POLES		SUPPLIED FROM:		DB-CLI	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C50 + E	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	EXTERNAL	GPO	A
P2	1	20	RCBO	2.5	EXTERNAL	GPO	A
P3	1	25	RCBO	4.0	AMENITY	HD	A
P4	1	25	RCBO	4.0	AMENITY	HD	A
P5	1	25	RCBO	4.0	AMENITY	HD	A
P6	1	25	RCBO	4.0	AMENITY	HD	A
P7	1	20	RCBO	2.5	FOYER	AUTO DOOR	A
P8	1	20	RCBO	2.5	BOOK HIRE	GPO	A
P9	1	20	RCBO	2.5	PRINT	GPO	A
P10	1	20	RCBO	2.5	PRINT	GPO	A
P11	1	20	RCBO	2.5	WORKROOM	GPO	A
P12	1	20	RCBO	2.5	RECEPTION OFFICES	GPO	A
P13	1	20	RCBO	2.5	WORK ROOM	TV	A
P14	1	20	RCBO	2.5	WORK ROOM	GPO	A
P15	1	20	RCBO	2.5	OFFICES	GPO	A
P16	1	20	RCBO	2.5	STUDY	GPO	A
P17	1	20	RCBO	2.5	LIBRARY	CLEANING	A
P18	1	20	RCBO	2.5	LIBRARY	FB	A
P19	1	20	RCBO	2.5	LIBRARY	FB	A
P20	1	20	RCBO	2.5	LIBRARY	FB	A
P21	1	20	RCBO	2.5	LIBRARY	FB	A
P22	1	20	RCBO	2.5	LIBRARY	CHECK OUT	A
P23	1	20	RCBO	2.5	LIBRARY	FB	A
P24	1	20	RCBO	2.5	LIBRARY	BOOTH	A
P25	1	20	RCBO	2.5	LIBRARY	BOOTH	A
P26	1	20	RCBO	2.5	LIBRARY	FB	A
P27	1	20	RCBO	2.5	JUNIOR	GPO	A
P28	1	20	RCBO	2.5	INCUBATOR	GPO	A
P29	1	20	RCBO	2.5	CHARGING	GPO	A
P30	1	20	RCBO	2.5	LIBRARY	CLEANING	A
P31	1	20	RCBO	2.5	INCUBATOR	GPO	A
P32	1	20	RCBO	2.5	MAKER SPACE	GPO	A
P33	1	20	RCBO	2.5	3D PRINTING	15A	A
P34	1	20	RCBO	2.5	3D PRINTING	15A	A
P35	1	20	RCBO	2.5	3D PRINTING	15A	A
P36	1	20	RCBO	2.5	MAKER SPACE	GPO	A
P37	1	20	RCBO	2.5	MAKER SPACE	15A	A
P38	1	20	RCBO	2.5	3D PRINTING	15A	A
P39	1	20	RCBO	2.5	3D PRINTING	15A	A
P40	1	20	RCBO	2.5	LASER	15A	A
P41	1	20	RCBO	2.5	DESIGN	GPO	A
P42	1	20	RCBO	2.5	DESIGN	GPO	A
P43	1	20	RCBO	2.5	STORE	CLEANING	A
P44	1	20	RCBO	2.5	DINING	GPO	A
P45	1	20	RCBO	2.5	VR	GPO	A
P46	1	20	RCBO	2.5	LOUNGE AMENITY	HD	A
P47	1	20	RCBO	2.5	CHILLER PLANT	GPO	A

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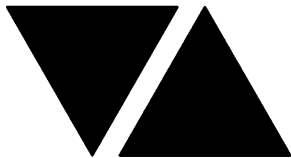
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DISTRIBUTION BOARD DB-A (GROUND FLOOR)

REVISION C - 09 MAY 2025

							REV
FAULT CURRENT: 6kA UTILISING CASCADING CHASSIS SIZE: 2X 84 POLES CHASSIS RATING: 250A PHASES: 3							A
MAIN SWITCH: 160A NON AUTO LOAD BREAK SWITCH SUPPLIED FROM: DB-CLI SUPPLY CABLE: 4C50 + E							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.							C
							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P48	1	20	RCBO	2.5	KITCHENETTE	GPO	A
P49	1	20	RCBO	2.5	KITCHENETTE	AUTO BOILER	A
P50	1	20	RCBO	2.5	KITCHENETTE	HWS	A
P51	3	40	RCBO	6.0	SOUTHERN STAGE	3PH	A
P52	1	20	RCBO	4.0	SOUTHERN STAGE	GPO	A
P53	1	20	RCBO	4.0	SOUTHERN STAGE	GPO	A
P54	1	20	RCBO	2.5	EXTERNAL	WATER FEATURE	A
P55	1	20	RCBO	2.5	EXTERNAL	WATER FEATURE	A
P56	1	20	RCBO	2.5	RECORDING BOOTH	GPO	A
P57	1	20	RCBO	2.5	RECORDING BOOTH	GPO	A
P58	1	20	RCBO	2.5	STUDIO	GPO	A
P59	1	20	RCBO	2.5	STUDIO	GREEN SCREEN	A
P60	1	20	RCBO	2.5	STUDIO	LIGHTING BAR GPO	A
P61	1	20	RCBO	2.5	STUDIO	LIGHTING BAR GPO	A
P62	1	20	RCBO	2.5	RECORDING BOOTH	LPP GPO	A
P63	1	20	RCBO	2.5	RECORDING BOOTH	LPP GPO	A
P64	1	20	RCBO	2.5	RECORDING BOOTH	LPP GPO	A
P65	3	40	RCBO	6.0	RECORDING BOOTH	LPP 3PH	A
P66	3	40	RCBO	6.0	STAGE SO	3 PH	A
P67	1	20	RCBO	2.5	STAGE SO	GPO	A
P68	1	20	RCBO	2.5	STAGE SO	GPO	A
P69							A
P70	1	20	RCBO	2.5	STORE	LOCKERS	A
P71	3	20	RCBO	2.5	PRINT	3 PH OUTLET	A
P72	1	20	RCBO	2.5	PRINT	GPO	A
P73	1	20	RCBO	2.5	PRINT	PRINTER	A
P74	1	20	RCBO	2.5	PRINT	PRINTER	A
P75	1	20	RCBO	2.5	PRINT	PRINTER	A
P76	1	20	RCBO	2.5	MAKER SPACE	FB	A
P77	1	20	RCBO	2.5	FOYER CS	PROJECTOR	A
P78	1	20	RCBO	2.5	FOYER CS	PROJECTOR	A
P79	3	20	RCBO	4.0	EXTERNAL	PUMP	A
P80	1	20	RCBO	2.5	FOYER CS	PROJECTOR	C
P81	1	20	RCBO	2.5	FOYER CS	PROJECTOR	C
P82	1	20	RCBO	2.5	FOYER	RECEPTION	C
P83	1	20	RCBO	2.5	FOYER CS	PROJECTOR	C
P84	1	20	RCBO	2.5	FOYER CS	PROJECTOR	C
P85	1	20	RCBO	2.5	FOYER CS	PROJECTOR	C



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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	CAFE	LIGHTS	A
L2	1	20	RCBO	2.5	CANTEEN	LIGHTS	A
L3	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L4	1	20	RCBO	2.5	KITCHEN	LIGHTS	B
L5	1	20	RCBO	2.5	AMENITY	LIGHTS	A
L6	1	20	RCBO	2.5	AMENITY	LIGHTS	A
L7	1	20	RCBO	2.5	BOOK HIRE	LIGHTS	A
L8							B
L9	1	20	RCBO	2.5	WORK AREA	LIGHTS	B
L10	1	20	RCBO	2.5	SENIOR	LIGHTS	B
L11	1	20	RCBO	2.5	RECEPTION OFFICES	LIGHTS	B
L12	1	20	RCBO	2.5	LIBRARY	LIGHTS	A
L13	1	20	RCBO	2.5	LIBRARY	LIGHTS	A
L14	1	20	RCBO	2.5	LIBRARY	LIGHTS	A
L15	1	20	RCBO	2.5	JUNIOR	LIGHTS	A
L16	1	20	RCBO	2.5	INCUBATOR	LIGHTS	A
L17	1	20	RCBO	2.5	CONNECT	LIGHTS	A
L18	1	20	RCBO	2.5	LIBRARY	LIGHTS	A
L19	1	20	RCBO ZONE 3 SENSORS	2.5	PRINT FOYER	LIGHTS	B
L20	1	20	RCBO	2.5	FOYER	LIGHTS	A
L21	1	20	RCBO	2.5	MAKER SPACE	LIGHTS	A
L22	1	20	RCBO	2.5	VR 3D PRINT	LIGHTS	A
L23	1	20	RCBO ZONE 2 SENSORS	2.5	MEDIA	LIGHTS	A
L24	1	20	RCBO	2.5	STUDIO	LIGHTS	A
L25	1	20	RCBO ZONE 1 SENSORS	2.5	DINING	LIGHTS	A
L26	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L27	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L28	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L29	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A

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							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
L30	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L31	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L32	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	DECK	LIGHTS	A
L33	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTS	A
L34	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L35	1	20	RCBO	2.5	CHILLER PLANT	LIGHTS	A