

**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 **DISTRIBUTION BOARD DB-A (GROUND FLOOR)**  C3328a-0006(B).xls

		- 31 OCTOBER 2024					RE
		FAULT CURRENT:	6kA UTILISING CA	SCADING	MAIN SWITCH:	160A NON AUTO LOAD BREAK SWITCH	А
		CHASSIS SIZE:	2X 84 POLES		SUPPLIED FROM:	DB-CLI	Α
		CHASSIS RATING:	250A		SUPPLY CABLE:	4C 70	Α
		PHASES:	3				A
PROV/	IDE THE C	B WITH A FULL WIDTH EMP	TY DIN RAIL TO ACCO	OMMODATE FUTUE	RE CONTACTORS AND CO	NTROLS IN ADDITION TO	
THE D	YNALITE I	EQUIPMENT. PROVIDE TH MERGENCY LIGHTS. PROVI	E DB WITH AN AS229	3 EMERGENCY LIC	GHTING CONTROL SYSTEM		Α
70000	I	CIRCUIT	CONTROL CABLE		·	CIRCUIT	
CIRC	PH	BREAKER (amps)	EQUIPMENT	SIZE (mm2)	LOCATION	USE	
P1	1	20	RCBO	2.5	EXTERNAL	GPO	А
P2	1	20	RCBO	2.5	EXTERNAL	GPO 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 GPO	A
P9	1	20	RCBO	2.5	PRINT	GPO GPO	Α
P10							
	1	20	RCBO	2.5	PRINT	GPO	Α
P11	1	20	RCBO	2.5	WORKROOM	GPO	Α
P12	1	20	RCBO	2.5	RECEPTION OFFICES	GPO	P
P13	1	20	RCBO	2.5	WORK ROOM	TV	Α
P14	1	20	RCBO	2.5	WORK ROOM	GPO	Α
P15	1	20	RCBO	2.5	OFFICES	GPO	F
P16	1	20	RCBO	2.5	STUDY	GPO	Α
P17	1	20	RCBO	2.5	LIBRARY	CLEANING	F
P18	1	20	RCBO	2.5	LIBRARY	FB	Α
P19	1	20	RCBO	2.5	LIBRARY	FB	Α
P20	1	20	RCBO	2.5	LIBRARY	FB	Α
P21	1	20	RCBO	2.5	LIBRARY	FB	Α
P22	1	20	RCBO	2.5	LIBRARY	CHECK OUT	Α
P23	1	20	RCBO	2.5	LIBRARY	FB	Α
P24	1	20	RCBO	2.5	LIBRARY	BOOTH	P
P25	1	20	RCBO	2.5	LIBRARY	BOOTH	F
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	F
P30	1	20	RCBO	2.5	LIBRARY	CLEANING	P
P31	1	20	RCBO	2.5	INCUBATOR	GPO	P
P32	1	20	RCBO	2.5	MAKER SPACE	GPO	P
P33	1	20	RCBO	2.5	3D PRINTING	15A	P
P34	1	20	RCBO	2.5	3D PRINTING	15A	Α
P35	1	20	RCBO	2.5	3D PRINTING	15A	F
P36	1	20	RCBO	2.5	MAKER SPACE	GPO	1
P37	1	20	RCBO	2.5	MAKER SPACE	15A	1
P38	1	20	RCBO	2.5	3D PRINTING	15A	1
P39	1	20	RCBO	2.5	3D PRINTING	15A	1
P40	1	20	RCBO	2.5	LASER	15A	1
P40 P41	1	20			DESIGN	GPO	1
P41 P42			RCBO	2.5			
P42 P43	1	20 20	RCBO RCBO	2.5 2.5	DESIGN STORE	GPO CLEANING	F
							_
P44	1	20	RCBO	2.5	DINING	GPO GPO	Α.
P45	1	20	RCBO	2.5	VR	GPO	A
		20	DCBO	2 5	I OLINICE AMENITY	ПD	

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P46

Pages inc. any attach. 1 of 4

RCBO

RCBO

2.5

LOUNGE AMENITY

CHILLER PLANT

HD

GPO

Α



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C3328a - ORMISTON COLLEGE - CLI
DISTRIBUTION BOARD DB-A (GROUND FLOOR)

C3328a-0006(B).xls

RE	VISI	ON	В	-	31	OCTO	<b>DBER</b>	2024
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							REV
		FAULT CURRENT:	6kA UTILISING CAS	SCADING	MAIN SWITCH:	160A NON AUTO LOAD BREAK SWITCH	А
		CHASSIS SIZE:	2X 84 POLES		SUPPLIED FROM:	DB-CLI	Α
		CHASSIS RATING:	250A		SUPPLY CABLE:	4C 70	Α
					SOLI ET CADLE.	40 70	
		PHASES:	3				Α
THE D	YNALITE E	B WITH A FULL WIDTH EMP' EQUIPMENT. PROVIDE TH MERGENCY LIGHTS. PROVI	E DB WITH AN AS229	3 EMERGENCY LIC	GHTING CONTROL SYSTE		А
		CIRCUIT	CONTROL	CABLE		CIRCUIT	
CIRC	PH	BREAKER (amps)	EQUIPMENT	SIZE (mm2)	LOCATION	USE	
P48	1	20	RCBO	2.5	KITCHENETT	GPO GPO	Α
P49	1	20	RCBO	2.5	KITCHENETT	AUTO BOILER	A
P50	1	20	RCBO	2.5	KITCHENETT	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 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 GPO	A
P57	1	20	RCBO	2.5	RECORDING BOOTH	GPO GPO	A
P58	1	20	RCBO	2.5	STUDIO	GPO 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	Α
P63	1	20	RCBO	2.5	RECORDING BOOTH	LPP GPO	Α
P64	1	20	RCBO	2.5	RECORDING BOOTH	LPP GPO	Α
P65	3	40	RCBO	6.0	RECORDING BOOTH	LPP 3PH	Α
P66	3	40	RCBO	6.0	STAGE SO	3 PH	Α
P67	1	20	RCBO	2.5	STAGE SO	GPO	Α
P68	1	20	RCBO	2.5	STAGE SO	GPO	Α
P69							Α
P70	1	20	RCBO	2.5	STORE	LOCKERS	Α
P71	3	20	RCBO	2.5	PRINT	3 PH OUTLET	Α
P72	1	20	RCBO	2.5	PRINT	GPO	Α
P73	1	20	RCBO	2.5	PRINT	PRINTER	Α
	1	20	RCBO	2.5	PRINT	PRINTER	Α
P74	1	20	RCBO	2.5	PRINT	PRINTER	Α
P74 P75			RCBO	2.5	MAKER SPACE	FB	Α
	1	20	11000				
P75		20 20	RCBO	2.5	FOYER CS	PROJECTOR	Α
P75 P76	1			2.5 2.5	FOYER CS FOYER CS	PROJECTOR PROJECTOR	A A
P75 P76 P77	1	20	RCBO				



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C3328a - ORMISTON COLLEGE - CLI DISTRIBUTION BOARD DB-A (GROUND FLOOR) REVISION B - 31 OCTOBER 2024 C3328a-0006(B).xls

				REV
FAULT CURRENT:	6kA UTILISING CASCADING	MAIN SWITCH:	160A NON AUTO LOAD BREAK SWITCH	Α
CHASSIS SIZE:	2X 84 POLES	SUPPLIED FROM:	DB-CLI	Α
CHASSIS RATING:	250A	SUPPLY CABLE:	4C 70	Α
PHASES:	3			Α

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.

CIRC	PH	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	
		BREAKER (amps)	EQUIPMENT	SIZE (mm2)	200/111011	USE	
		00	5050	0.5	0.455	1101170	
L1	1	20	RCBO	2.5	CAFE	LIGHTS	A
L2	1	20	RCBO	2.5	CANTEEN	LIGHTS	А
L3	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	А
L4	1	20	RCBO	2.5	KITCHEN	LIGHTS	В
L5	1	20	RCBO	2.5	AMENITY	LIGHTS	А
L6	1	20	RCBO	2.5	AMENITY	LIGHTS	А
L7	1	20	RCBO	2.5	BOOK HIRE	LIGHTS	Α
L8							В
L9	1	20	RCBO	2.5	WORK AREA	LIGHTS	В
L10	1	20	RCBO	2.5	SENIOR	LIGHTS	В
L11	1	20	RCBO	2.5	RECEPTION OFFICES	LIGHTS	В
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	JUNIOUR	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	В
L20	1	20	RCBO	2.5	FOYER	LIGHTS	Α
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	А
L25	1	20	RCBO ZONE 1 SENSORS	2.5	DINING	LIGHTS	А
L26	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	А
L27	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	А
L28	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	А
L29	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	А

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**REVISION B - 31 OCTOBER 2024** 

FAULT CURRENT: 6kA UTILISING C.  CHASSIS SIZE: 2X 84 POLES  CHASSIS RATING: 250A  PHASES: 3		MAIN SWITCH: SUPPLIED FROM: SUPPLY CABLE:	160A NON AUTO LOAD BREAK SWITCH DB-CLI 4C 70	A A
CHASSIS RATING: 250A PHASES: 3	OMMODATE FUTUR		-	
PHASES: 3	OMMODATE FUTUR	SUPPLY CABLE:	4C 70	Δ
	OMMAOD ATT FLITLI			
	OMMODATE FUTUR			Α
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACC THE DYNALITE EQUIPMENT. PROVIDE THE DB WITH AN AS22 ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH S	93 EMERGENCY LIC	GHTING CONTROL SYSTE		А
CIRC PH CIRCUIT CONTROL	CABLE	BLE LOCATION	CIRCUIT	
BREAKER (amps) EQUIPMENT	SIZE (mm2)	LOCATION	USE	
L30 1 20 RCBO PE ON DUS TC OFF 10.00PM	K 2.5	EXTERNAL	LIGHTS	А
L31 1 20 RCBO PE ON DUS TC OFF 10.00PM	K 2.5	EXTERNAL	LIGHTS	А
L32 1 20 RCBO PE ON DUS TC OFF 10.00PM	K 2.5	DECK	LIGHTS	А
L33 1 20 RCBO PE ON DUS OFF DAWN	2.5	EXTERNAL	LIGHTS	Α
L34 1 20 RCBO PE ON DUS TC OFF 10.00PM	K 2.5	EXTERNAL	LIGHTS	А
L35 1 20 RCBO	2.5	CHILLER PLANT	LIGHTS	Α
<del>                                     </del>				