

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

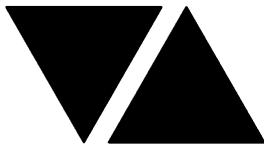
C2049a - ST JOHNS ANGLICAN COLLEGE, FOREST LAKE - COVERED COURT

C2049a-0004(E).xls

DISTRIBUTION BOARD DB-1 (GROUND LOBBY)

REVISION E - 16 DECEMBER 2019

							REV
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		250A NON AUTO LOAD BREAK SWITCH	A
CHASSIS SIZE:		2X 84 POLES		SUPPLIED FROM:		MSB	D
CHASSIS RATING:		250A		SUPPLY CABLE:		4 x 1C 120	D
PHASES:		3					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL 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	3	40		6.0	EXTERNAL	SHED	A
P2	1	20		2.5	FETE CABINET	15A GPO	A
P3	1	20		2.5	FETE CABINET	15A GPO	A
P4	3	40		6.0	FETE CABINET	3PH 40AMP	A
P5	1	20		2.5	FETE CABINET	15A GPO	A
P6	1	20		2.5	FETE CABINET	15A GPO	A
P7	1	20		4.0	FETE CABINET	GPO	A
P8	1	20		2.5	FETE CABINET	GPO	A
P9	1	20		2.5	FETE CABINET	GPO	A
P10	1	25		4.0	FETE CABINET	GPO	A
P11	1	20	RCD	2.5	BASEMENT STORE	GPO	A
P12	3	20	RCD	2.5	BASEMENT STORE	RSD	D
P13	1	20	RCD	2.5	CANTEEN	15A GPO	A
P14	1	20	RCD	2.5	CANTEEN	RSD	A
P15	1	20	RCD	2.5	CANTEEN	GPOs	A
P16	1	20	RCD	2.5	CANTEEN	GPOs	A
P17	1	20	RCD	2.5	CANTEEN	15A GPO	A
P18	3	20	RCD	2.5	CANTEEN	3PH 20A	A
P19	1	20	RCD	2.5	CANTEEN	GPOs	A
P20	1	20	RCD	2.5	CANTEEN	GPOs	A
P21	1	20	RCD	2.5	CANTEEN	GPOs	A
P22	1	20	RCD	2.5	CANTEEN	15A GPO	A
P23	1	20	RCD	2.5	CANTEEN	GPOs	A
P24	1	20	RCD	2.5	CANTEEN	15A GPO	A
P25	1	20	RCD	2.5	CANTEEN	GPOs	A
P26	1	20	RCD	2.5	EXTERNAL	GPO	A
P27	1	20	RCD	2.5	AMENITY	HD	A
P28	3	20	RCD	2.5	STORE	3 X 3.6KW HWS	A
P29	3	20	RCD	2.5	STORE	3 X 3.6KW HWS	A
P30	1	20	RCD	2.5	AMENITY	GPO	A
P31	1	20	RCD	2.5	AMENITY	HD	A
P32	3	20	RCD	2.5	STORE	RSD	A
P33	3	20	RCD	2.5	GYM	RSD	A
P34	1	20	RCD	2.5	LOBBY	CLEANING	A
P35	1	20	RCD	2.5	GYM	GPO	A
P36	3	20	RCD	2.5	STORE	3 X 3.6KW HWS	A
P37	3	20	RCD	2.5	STORE	3 X 3.6KW HWS	A
P38	1	20	RCD	2.5	AMENITY	HD	A
P39	1	20	RCD	2.5	AMENITY	HD	A
P40	1	20	RCD	2.5	LOBBY	CLEANING	A
P41	1	20	RCD	2.5	GYM	GPO	A
P42	1	20	RCD	2.5	GYM	GPO	A
P43	1	20	RCD	2.5	GYM	GPO	A
P44	3	20	RCD	2.5	GYM STORE	RSD	D
P45	1	20	RCD	2.5	GYM STORE	GPO	A
P46	3	20	RCD	2.5	GYM STORE	RSD	D
P47	1	20	RCD	2.5	DUTY OFFICE	GPO	A



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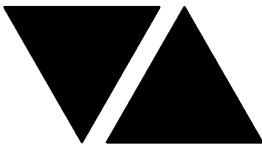
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DISTRIBUTION BOARD DB-1 (GROUND LOBBY)

REVISION E - 16 DECEMBER 2019

							REV
		FAULT CURRENT:	6kA UTILISING CASCADING	MAIN SWITCH:	250A NON AUTO LOAD BREAK SWITCH		A
		CHASSIS SIZE:	2X 84 POLES	SUPPLIED FROM:	MSB		D
		CHASSIS RATING:	250A	SUPPLY CABLE:	4 x 1C 120		D
		PHASES:	3				A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL 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	
P48	3	32	RCD	6.0	LEVEL 1	LIFT	A
P49	1	20	RCD	2.5	LEVEL 1	CLEANING	A
P50	1	20	RCD	2.5	LEVEL 1	OFFICES	A
P51	1	20	RCD	2.5	LEVEL 1	FLA 2	A
P52	1	20	RCD	2.5	LEVEL 1	CR 1	A
P53	1	20	RCD	2.5	LEVEL 1	CR-1	A
P54	1	20	RCD	2.5	LEVEL 1	SECURITY LIGHTS	A
P55	1	20	RCD	2.5	LEVEL 1	CLEANING	A
P56	1	20	RCD	2.5	LEVEL 1	FLA 1	A
P57	1	20	RCD	2.5	LEVEL 1	MEETING ROOM	A
P58	1	20	RCD	2.5	LEVEL 1	KITCHENETTE	A
P59	1	20	RCD	2.5	LEVEL 1	AUTO BOILER	A
P60	3	63		16.0	LEVEL 1 EXTERNAL	MSSB	A
P61	1	63	RCD	16.0	GYM	CONTROLLER	D
P62	1	20	RCD	2.5	GYM	SCOREBOARDS	A
P63	1	20	RCD	2.5	GYM	SHOT CLOCKS	A
P64							D
P65							D
P66	1	20	RCD	2.5	GYM	CURTAIN	A
P67	1	20	RCD	2.5	ENTRY	FIP	C
L1	1	20	RCD PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY LIGHTS	A
L2	1	20	RCD	2.5	BASEMENT STORE	LIGHTS	A
L3	1	20	RCD PE CELL ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L4	1	20	RCD PE CELL ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	A
L5	1	20	RCD	2.5	STORES	LIGHTS	A
L6	1	20	RCD	2.5	AMENITIES	LIGHTS	A
L7	1	20	RCD	2.5	AMENITIES	LIGHTS	A
L8	1	20	RCD	2.5	AMENITIES	LIGHTS	A
L9	1	20	RCD	2.5	AMENITIES	LIGHTS	A
L10	1	20	RCD	2.5	GYM	CH 1 LIGHTS	A
L11	1	20	RCD	2.5	GYM	CH 2 LIGHTS	A
L12	1	20	RCD	2.5	GYM	CH 3 LIGHTS	A
L13	1	20	RCD	2.5	GYM	CH 4 LIGHTS	A
L14	1	20	RCD	2.5	GYM	CH 5 LIGHTS	A
L15	1	20	RCD	2.5	GYM	CH 6 LIGHTS	A
L16	1	20	RCD	2.5	GYM	CH 7 LIGHTS	A
L17	1	20	RCD	2.5	GYM	CH 8 LIGHTS	A
L18	1	20	RCD	2.5	LOBBY	CH 9 LIGHTS	A
L19	1	20	RCD	2.5	LEVEL 1	CH 10 LIGHTS	A



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FAULT CURRENT: 6kA UTILISING CASCADING CHASSIS SIZE: 2X 84 POLES CHASSIS RATING: 250A PHASES: 3 MAIN SWITCH: 250A NON AUTO LOAD BREAK SWITCH SUPPLIED FROM: MSB SUPPLY CABLE: 4 x 1C 120							REV
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PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL 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	
L20	1	20	RCD	2.5	LEVEL 1	CH 11 LIGHTS	A
L21	1	20	RCD	2.5	LEVEL 1	CH 12 LIGHTS	A
L22	1	20	RCD	2.5	GYM	STORE LIGHTS	B
L23	1	20	RCD	2.5	LEVEL 1	FLA 1	B
L24	1	20	RCD	2.5	LEVEL 1	FLA 2	B
L25	1	20	RCD	2.5	LEVEL 1	LIGHTS	B