



# ELECTRICAL DESIGN GROUP

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## C3120a - ST JOHNS ANGLICAN COLLEGE, FOREST LAKE - AQUATIC CENTRE STAGE 1C3120a-0009(B).xls DISTRIBUTION BOARD DB-2 (GROUND)

REVISION B - 25 JUNE 2024

FAULT CURRENT: 6kA UTILISING CASCADING CHASSIS SIZE: 2X 84 POLES CHASSIS RATING: 250A PHASES: 3							REV
							A
							A
							A
							A
PROVIDE THE DISTRIBUTION BOARD WITH SURGE PROTECTION AND AN AS2293 TESTING FACILITY. REFER TO THE SCHEMATIC FOR THE ARRANGEMENT DETAILS. ENSURE THE CIRCUIT BREAKERS AND LOAD ARE EVENLY DISTRIBUTED ACROSS THE CHASSIS EACH CUBICAL CONTAINING A 84 POLE CHASSIS MUST BE AT LEAST 700 WIDE. PROVIDE THE DISTRIBUTION BOARD WITH A SPARE WIDE HORIZONTAL DIN RAIL IN ADDITION TO THE DIN RAIL REQUIRED TO ACCOMMODATE THE CONTROLS SUPPLIED AS PART OF THE CONTRACT WORKS.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	BASEMENT	BBQ	A
P2	1	20	RCBO	2.5	BASEMENT	MAINTENANCE	A
P3	1	20	RCBO	2.5	BASEMENT	OFFICE	A
P4	1	20	RCBO	2.5	BASEMENT	STAFF	A
P5	1	20	RCBO	2.5	BASEMENT	ADMINISTRATION	A
P6	1	20	RCBO	2.5	BASEMENT	DISPLAY	A
P7	1	20	RCBO	2.5	BASEMENT	HD	A
P8	1	20	RCBO	2.5	BASEMENT	SUPA TAP	A
P9	1	20	RCBO	2.5	BASEMENT	SUPA TAP	A
P10	1	20	RCBO	2.5	BASEMENT	KITCHEN	A
P11	1	20	RCBO	2.5	BASEMENT	REF / MW	A
P12	1	20	RCBO	2.5	GROUND LEVEL	STAFF	A
P13	1	20	RCBO	2.5	GROUND LEVEL	STAFF	A
P14	1	20	RCBO	2.5	GROUND LEVEL	GLA 4	A
P15	1	20	RCBO	2.5	GROUND LEVEL	GLA 3	A
P16	1	20	RCBO	2.5	GROUND LEVEL	GLA 2	A
P17	1	20	RCBO	2.5	GROUND LEVEL	GLA 1	A
P18	1	20	RCBO	2.5	GROUND LEVEL	CIRCULATION	A
P19	1	20	RCBO	2.5	GROUND LEVEL	CIRCULATION	A
P20	1	20	RCBO	2.5	GROUND LEVEL	BBQ	A
P21	1	20	RCBO	2.5	GROUND LEVEL	COMMON	A
P22	1	20	RCBO	2.5	GROUND LEVEL	SUPA TAP	A
P23	1	20	RCBO	2.5	GROUND LEVEL	SUPA TAP	A
P24	1	20	RCBO	2.5	GROUND LEVEL	KITCHEN	A
P25	1	20	RCBO	2.5	GROUND LEVEL	REF / MW	A
P26	1	20	RCBO	2.5	LEVEL 1	CLASS 1	A
P27	1	20	RCBO	2.5	LEVEL 1	CLASS 2	A
P28	1	20	RCBO	2.5	LEVEL 1	CLASS 3	A
P29	1	20	RCBO	2.5	LEVEL 1	CLASS 4	A
P30	1	20	RCBO	2.5	LEVEL 1	STAFF	A
P31	1	20	RCBO	2.5	LEVEL 1	OFFICE	A
P32	1	20	RCBO	2.5	LEVEL 1	FLA	A
P33	3	50 C CURVE		10 +10 EARTH	LEVEL 1	LIFT	A
P34	1	20	RCBO	2.5	LEVEL 1	STAFF	A
P35	1	20	RCBO	2.5	LEVEL 1	CIRCULATION	A
P36	1	20	RCBO	2.5	LEVEL 1	CIRCULATION	A
P37	1	20	RCBO	2.5	LEVEL 1	BMS	A
P38	1	20	RCBO	2.5	LEVEL 1	FLOOR BOXES	A
P39	1	20	RCBO	2.5	LEVEL 1	FLOOR BOXES	A
P40	1	20	RCBO	2.5	LEVEL 1	SUPA TAP	A
P41	1	20	RCBO	2.5	LEVEL 1	SUPA TAP	A
P42	1	20	RCBO	2.5	LEVEL 1	KITCHEN	A
P43	1	20	RCBO	2.5	LEVEL 1	REF / MW	A
P44	1	20	RCBO	2.5	EXTERNAL	MAINTENANCE	A
P45	3	20	RCBO	2.5	EXTERNAL	GATE	A
P46	1	20	RCBO	2.5	BASEMENT	PUMP	A
P47	3	20	RCBO	2.5	BASEMENT	3X3.6KW HWS	A
P48	3	20	RCBO	2.5	BASEMENT	3X3.6KW HWS	A
P49	3	32	RCBO	4.0	LEVEL 1	HWS	A

